

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049438.D
 Acq On : 20 Jun 2018 16:01
 Operator : MD\SY
 Sample : VN0620WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Manual Integrations
 APPROVED

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 6/21/2018 12:00:32 PM

Quant Time: Jun 21 01:50:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1405944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2142118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1950380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	949735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1022102	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.59	113	900950	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.09	98	3247488	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	1107653	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	312539	19.31	ug/l	99
3) Chloromethane	2.06	50	397152	19.01	ug/l	98
4) Vinyl Chloride	2.18	62	423982	19.09	ug/l	99
5) Bromomethane	2.56	94	227252	19.47	ug/l	96
6) Chloroethane	2.70	64	271935	20.54	ug/l	100
7) Trichlorofluoromethane	3.01	101	553194	19.97	ug/l	99
8) Diethyl Ether	3.41	74	215000	22.23	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	343128	19.53	ug/l	92
10) Methyl Iodide	3.95	142	357450	19.54	ug/l	92
11) Tert butyl alcohol	4.80	59	133903	122.34	ug/l	98
12) 1,1-Dichloroethene	3.73	96	314190	19.49	ug/l	87
13) Acrolein	3.61	56	153769	133.97	ug/l	100
14) Allyl chloride	4.32	41	513011	20.15	ug/l	90
15) Acrylonitrile	4.99	53	626399	114.46	ug/l	98
16) Acetone	3.82	43	525897	116.15	ug/l	91
17) Carbon Disulfide	4.05	76	918688	18.18	ug/l	100
18) Methyl Acetate	4.33	43	340411	24.66	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	940115	22.87	ug/l	99
20) Methylene Chloride	4.55	84	385745	20.40	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	335631	19.67	ug/l	95
22) Diisopropyl ether	5.95	45	1132949	22.29	ug/l	97
23) Vinyl Acetate	5.90	43	3761138	113.51	ug/l	96
24) 1,1-Dichloroethane	5.85	63	667387	20.51	ug/l	99
25) 2-Butanone	6.84	43	715083	117.62	ug/l	96
26) 2,2-Dichloropropane	6.82	77	529334	20.15	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	393567	20.74	ug/l	93
28) Bromochloromethane	7.19	49	325376	22.56	ug/l	85
29) Tetrahydrofuran	7.21	42	457472	116.90	ug/l	93
30) Chloroform	7.37	83	679092	20.97	ug/l	100
31) Cyclohexane	7.65	56	547429	19.74	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	548968	19.87	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473866	19.30	ug/l	96
37) Ethyl Acetate	6.93	43	318212	23.84	ug/l	99
38) Carbon Tetrachloride	7.77	117	487507	19.18	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	492140	18.67	ug/l	98
40) Benzene	8.04	78	1505437	20.00	ug/l	100
41) Methacrylonitrile	7.18	41	171310	23.74	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	491980	21.16	ug/l	97
43) Isopropyl Acetate	8.17	43	614528	24.10	ug/l	99
44) Trichloroethene	8.83	130	401557	20.20	ug/l	97
45) 1,2-Dichloropropane	9.12	63	405254	20.56	ug/l	98
46) Dibromomethane	9.21	93	248089	21.71	ug/l	91
47) Bromodichloromethane	9.40	83	519212	20.68	ug/l	96
48) Methyl methacrylate	9.20	41	277945	23.15	ug/l	88
49) 1,4-Dioxane	9.20	88	76131	459.34	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1577035	117.99	ug/l	94
52) Toluene	10.16	92	926066	20.96	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	515281	21.45	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	593629	20.93	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	360954	21.92	ug/l	96
56) Ethyl methacrylate	10.43	69	427844	22.52	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	586635	21.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	632494	102.11	ug/l	95
59) 2-Hexanone	10.75	43	1032031	119.77	ug/l	94
60) Dibromochloromethane	10.90	129	394910	21.49	ug/l	98
61) 1,2-Dibromoethane	11.01	107	335219	21.90	ug/l	99
64) Tetrachloroethene	10.63	164	429604	21.50	ug/l	97
65) Chlorobenzene	11.44	112	1006698	20.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	379644	20.08	ug/l	100
67) Ethyl Benzene	11.51	91	1678299	20.14	ug/l	98
68) m/p-Xylenes	11.62	106	1300261	41.57	ug/l	97
69) o-Xylene	11.95	106	623579	20.70	ug/l	96
70) Styrene	11.97	104	1012997	21.32	ug/l	98
71) Bromoform	12.13	173	267243	21.84	ug/l	98
73) Isopropylbenzene	12.25	105	1642801	19.70	ug/l	98
74) N-amyl acetate	12.07	43	443184	21.70	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	405421	22.40	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	338210m	20.87	ug/l	
77) Bromobenzene	12.53	156	431097	19.57	ug/l	92
78) n-propylbenzene	12.59	91	1844478	20.14	ug/l	99
79) 2-Chlorotoluene	12.68	91	1151173	19.84	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1342938	20.49	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	110123	21.48	ug/l	93
82) 4-Chlorotoluene	12.78	91	1151692	20.58	ug/l	98
83) tert-Butylbenzene	12.99	119	1114341	19.19	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1363844	20.95	ug/l	99
85) sec-Butylbenzene	13.17	105	1483480	19.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	1276717	19.77	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	715310	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	705156	19.63	ug/l	99
89) n-Butylbenzene	13.62	91	956080	18.96	ug/l	98
90) Hexachloroethane	13.88	117	256485	19.97	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	722089	20.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60582	20.87	ug/l	87

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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245351	18.38	ug/l	99
94) Hexachlorobutadiene	15.01	225	218903	19.39	ug/l	99
95) Naphthalene	15.14	128	509647	20.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	274855	19.53	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

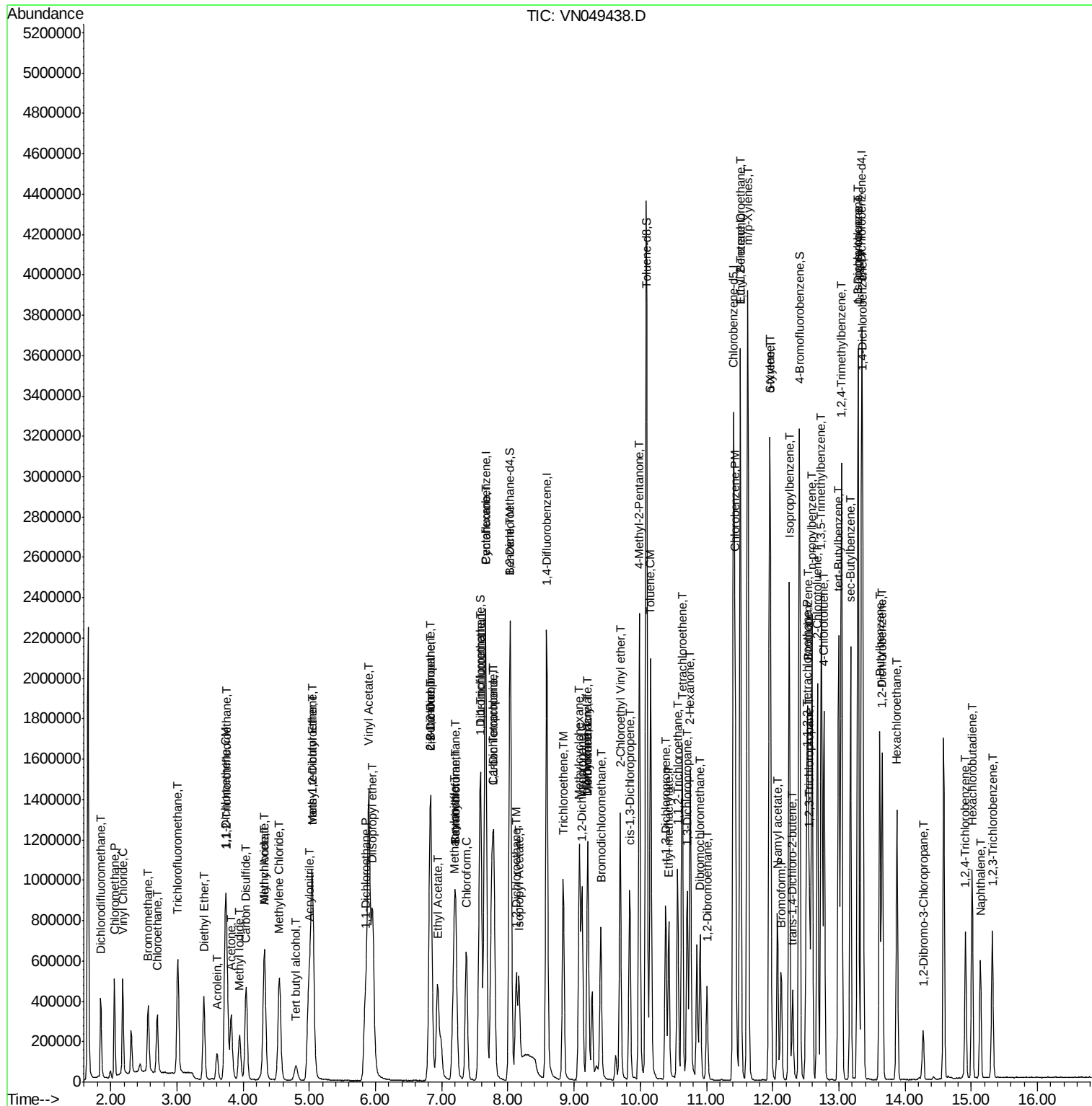
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
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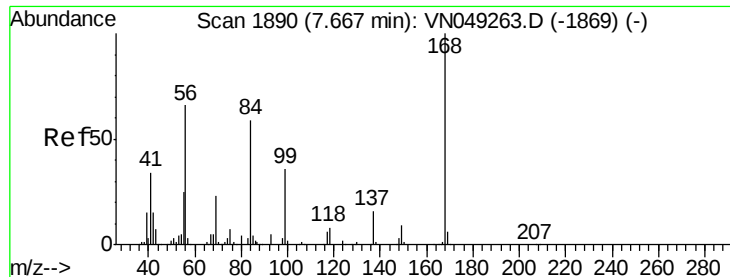
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0620WBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion:168 Resp: 1405944

Ion Ratio Lower Upper

168 100

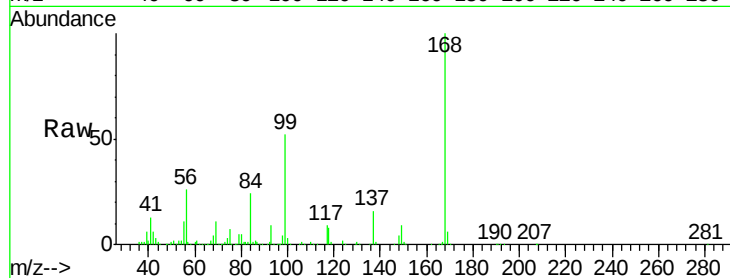
99 51.4 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

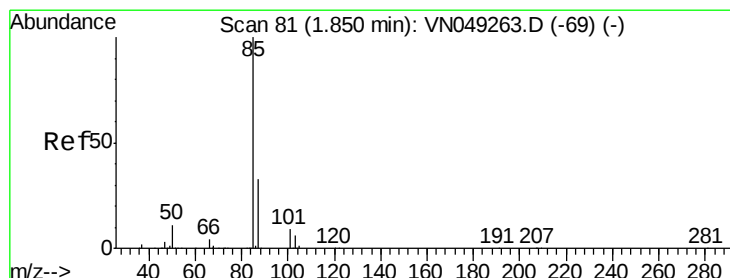
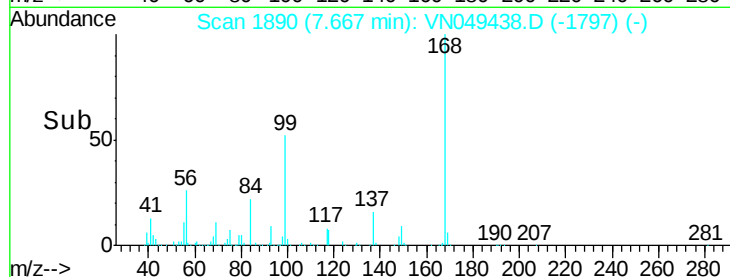
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.31 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049438.D

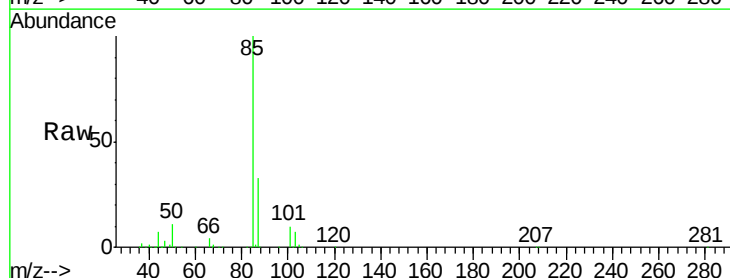
Acq: 20 Jun 2018 16:01

Tgt Ion: 85 Resp: 312539

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

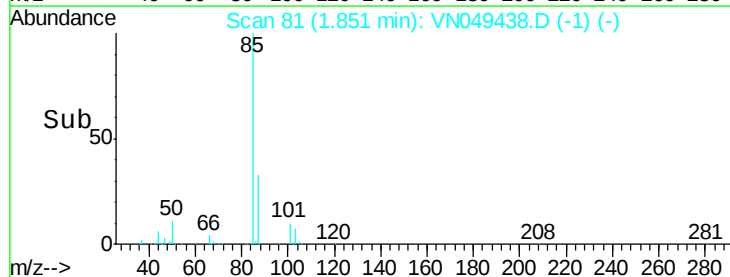
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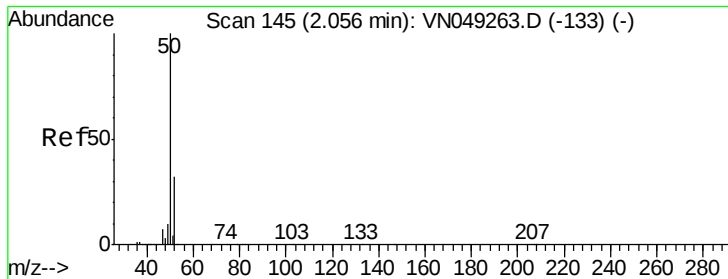
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.01 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion: 50 Resp: 397152

Ion Ratio Lower Upper

50 100

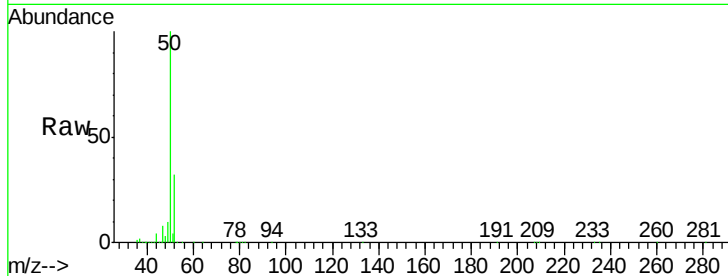
52 32.4 25.2 37.8

Manual Integrations

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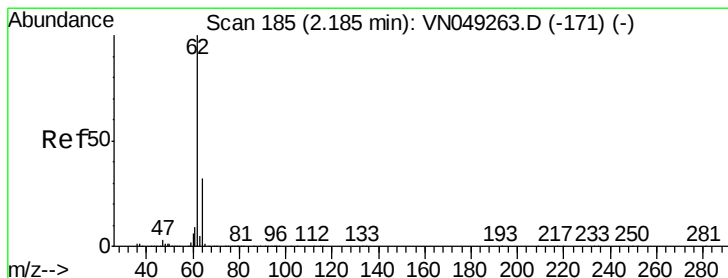
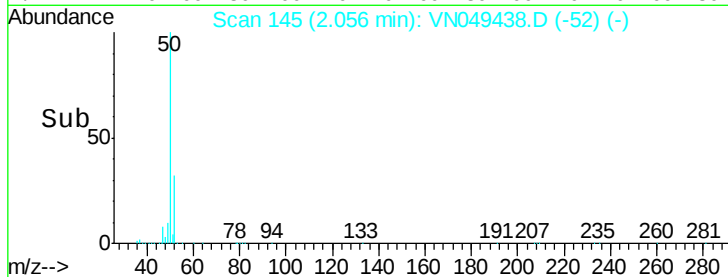
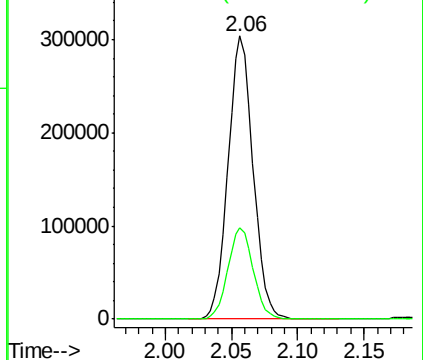
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.09 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049438.D

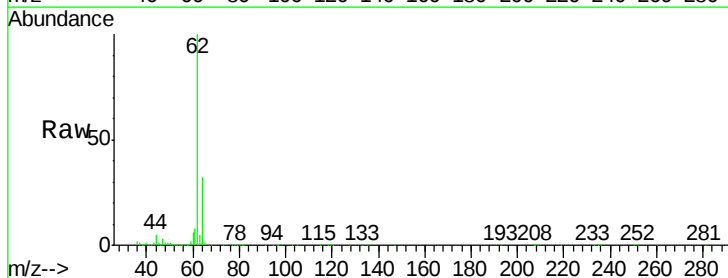
Acq: 20 Jun 2018 16:01

Tgt Ion: 62 Resp: 423982

Ion Ratio Lower Upper

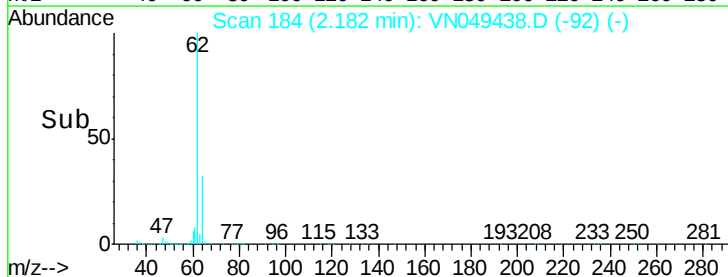
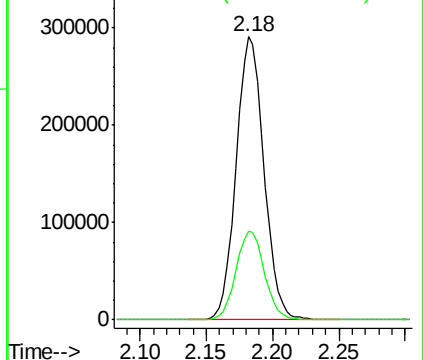
62 100

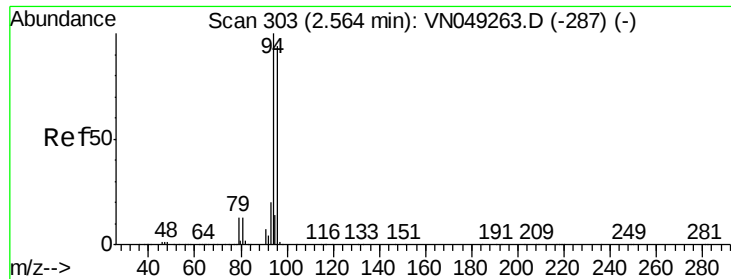
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.47 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion: 94 Resp: 227252

Ion Ratio Lower Upper

94 100

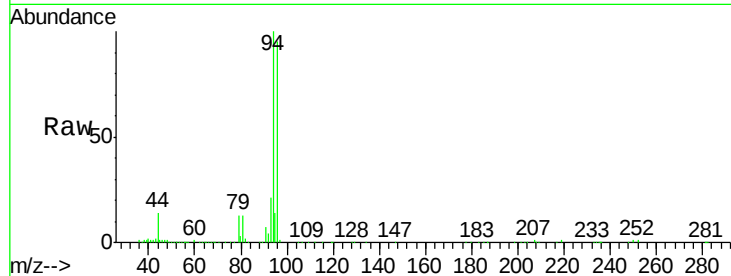
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Manual Integrations

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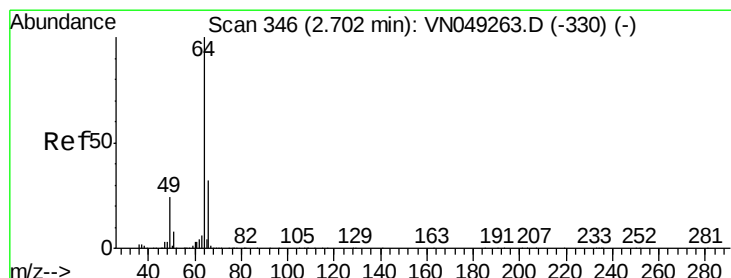
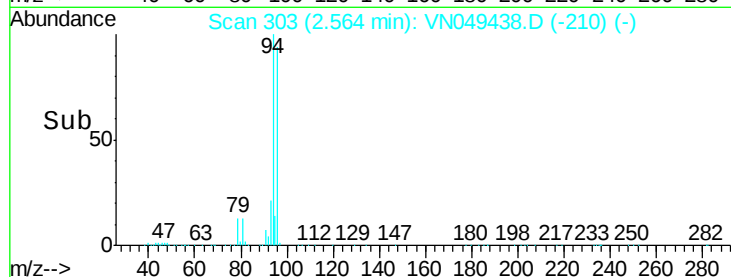
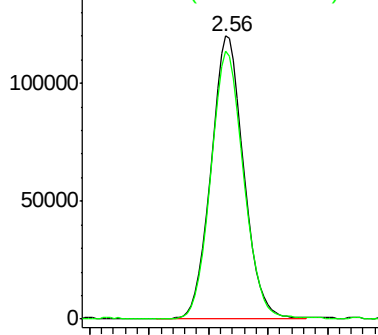
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.54 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049438.D

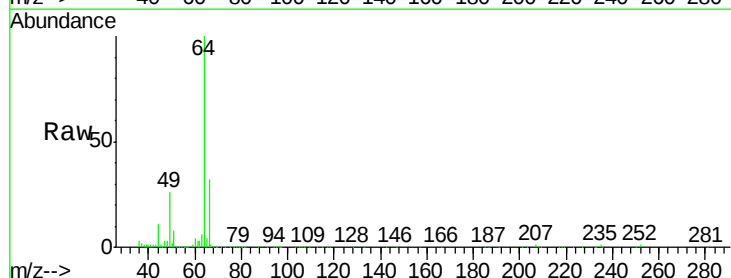
Acq: 20 Jun 2018 16:01

Tgt Ion: 64 Resp: 271935

Ion Ratio Lower Upper

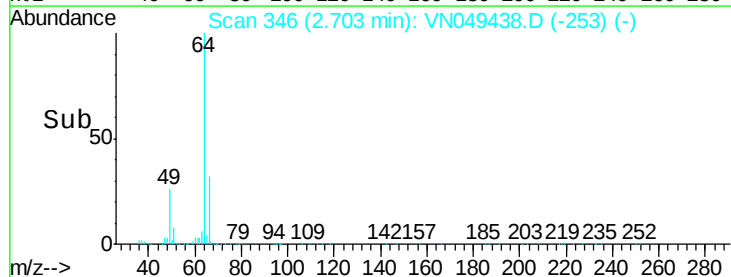
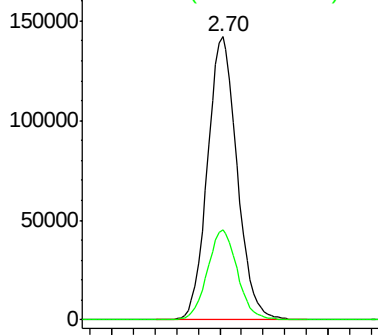
64 100

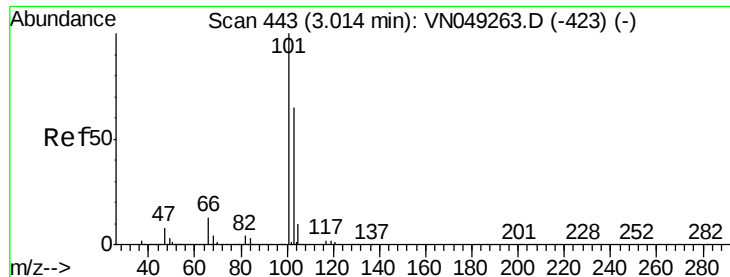
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

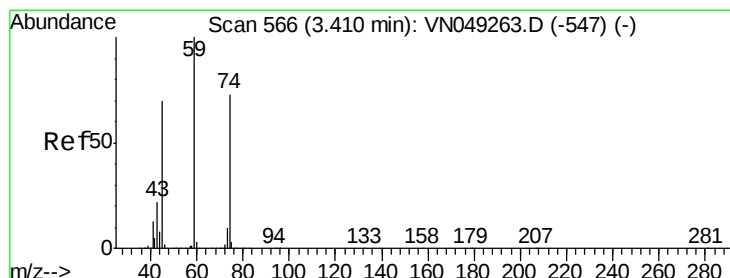
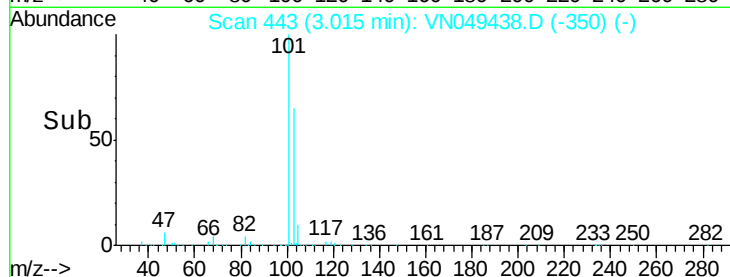
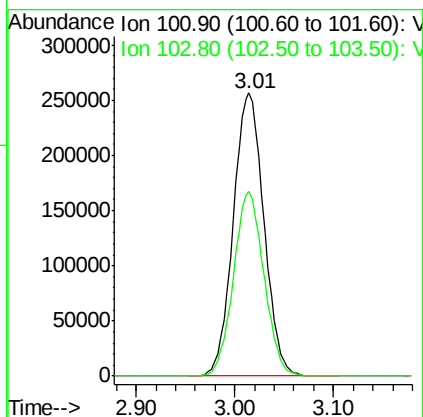
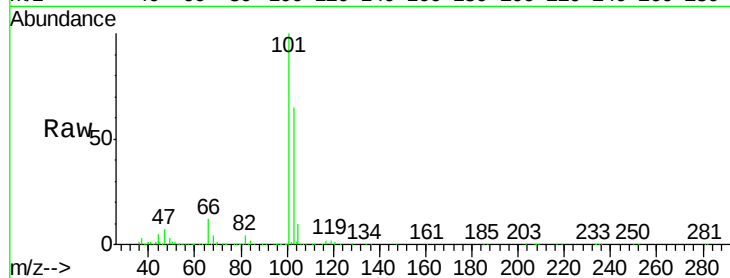
Trichlorofluoromethane
Concen: 19.97 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.7	77.5

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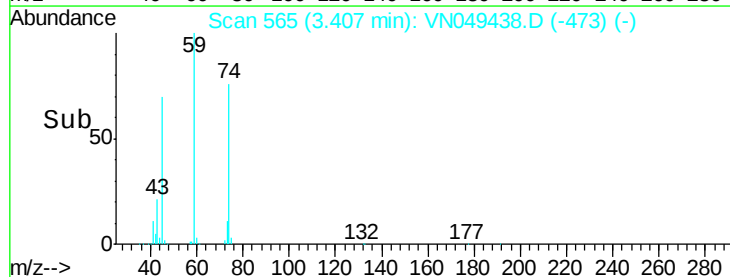
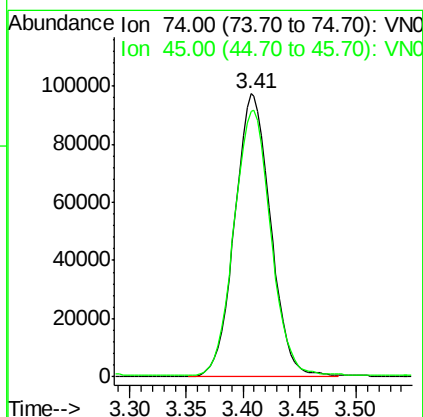
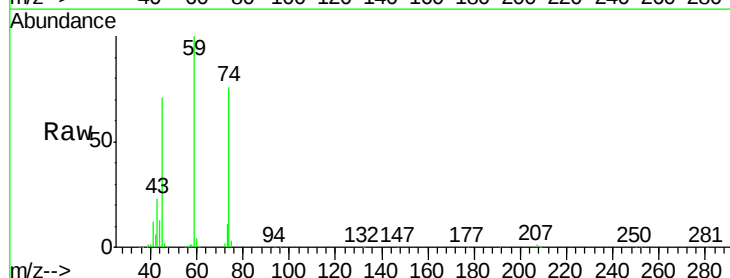
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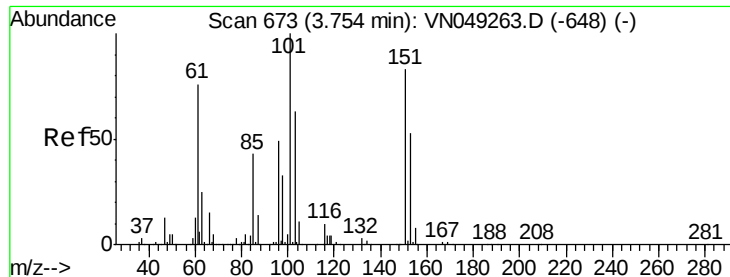


#8

Diethyl Ether
Concen: 22.23 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.53 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

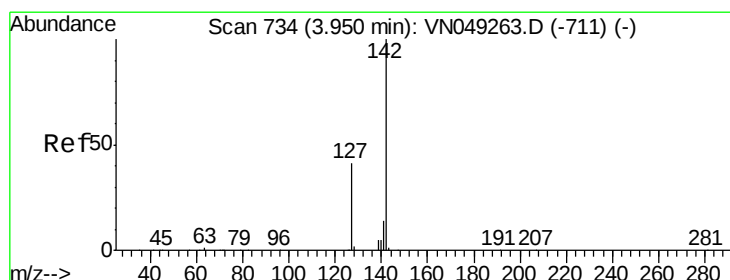
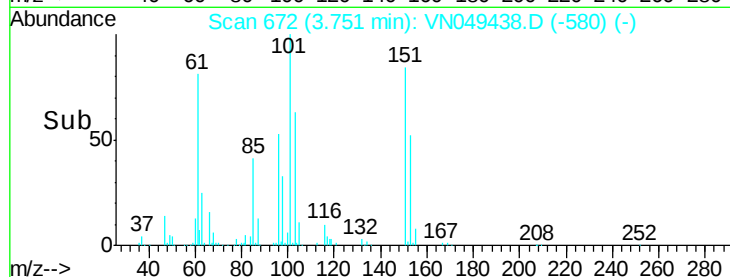
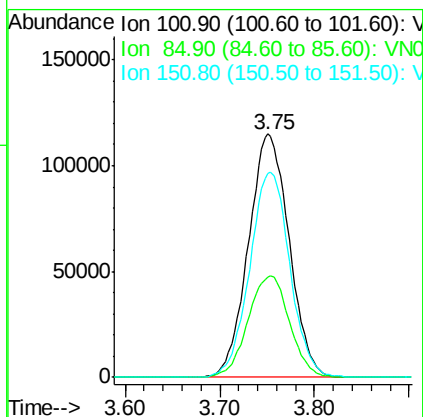
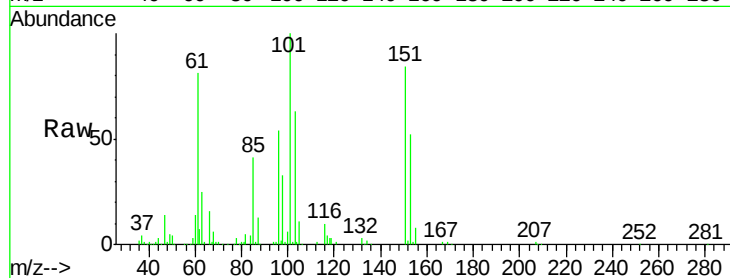
ClientSampleId :

VN0620WBSD01

Tot Ion:	101	Resp:	343128
Ion Ratio	Lower	Upper	
101	100		
85	42.5	37.6	56.4
151	83.3	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.54 ug/l

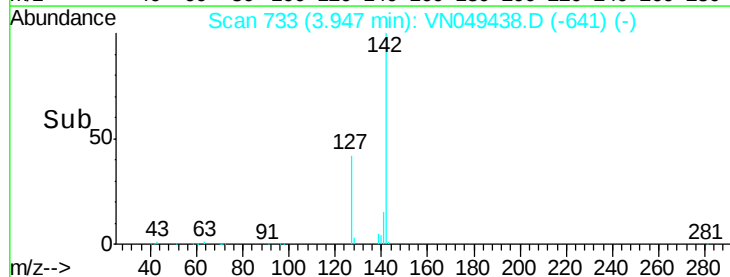
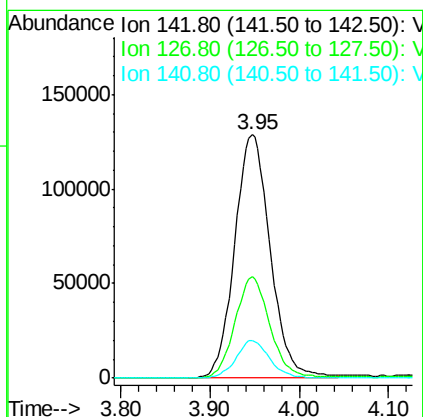
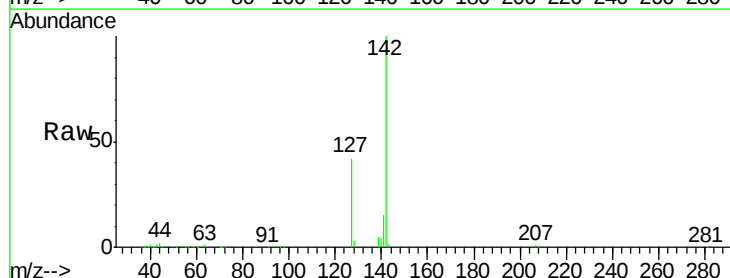
RT: 3.95 min Scan# 733

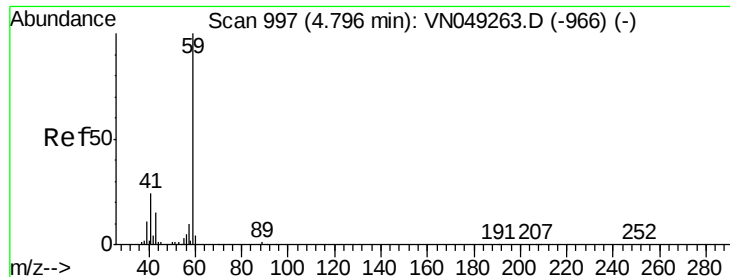
Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	142	Resp:	357450
Ion Ratio	Lower	Upper	
142	100		
127	40.8	38.2	57.4
141	14.7	11.9	17.9





#11

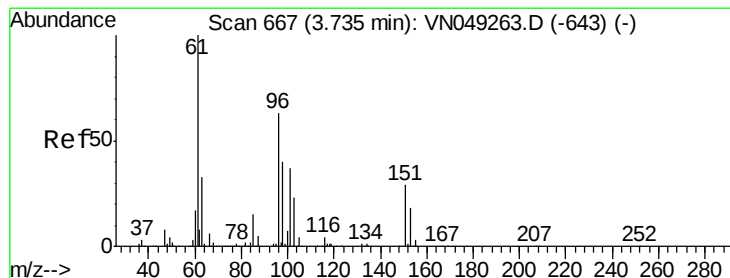
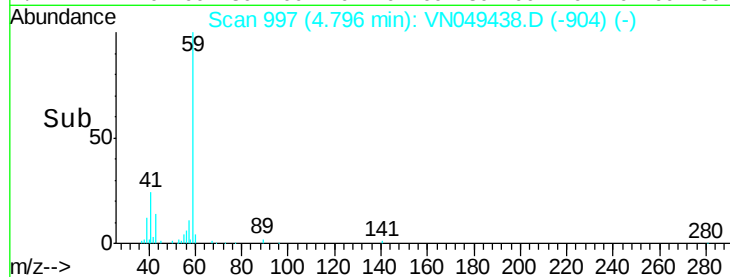
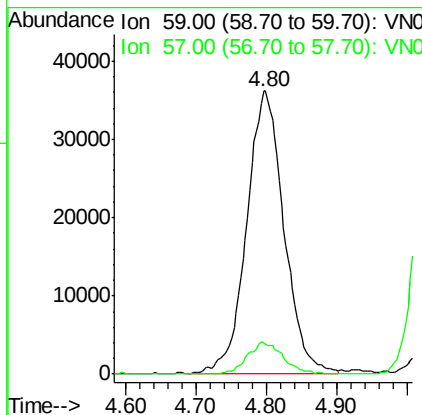
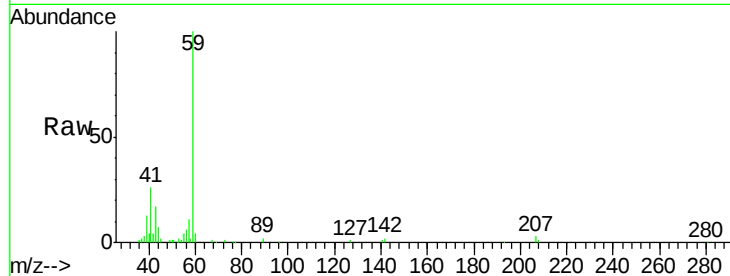
Tert butyl alcohol
 Concen: 122.34 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	59	Resp	133903
Ion Ratio	100	Lower	Upper
57	10.6	9.0	13.6

Manual Integrations
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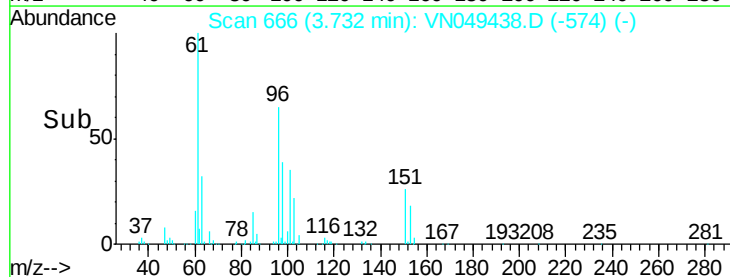
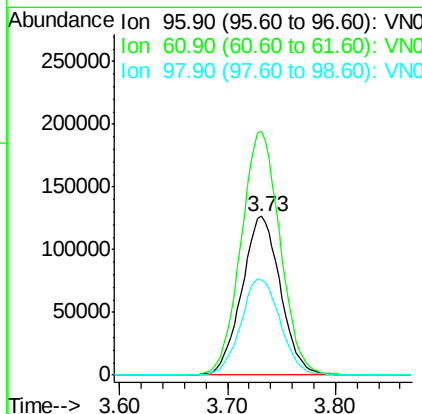
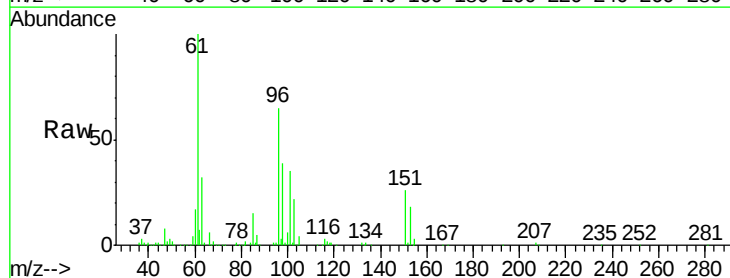
apatel
 6/21/2018 12:00:32 PM

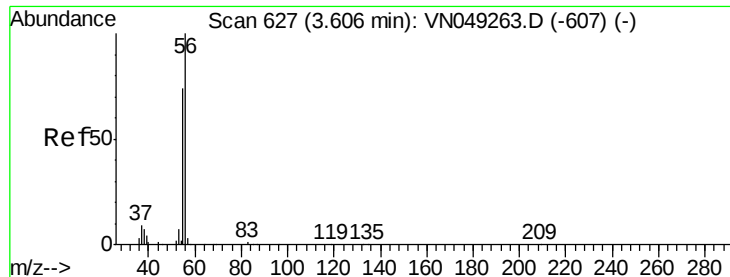


#12

1,1-Dichloroethene
 Concen: 19.49 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	96	Resp	314190
Ion Ratio	100	Lower	Upper
61	153.4	141.0	211.4
98	60.1	50.4	75.6





#13

Acrolein

Concen: 133.97 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 56 Resp: 153769

Ion Ratio Lower Upper

56 100

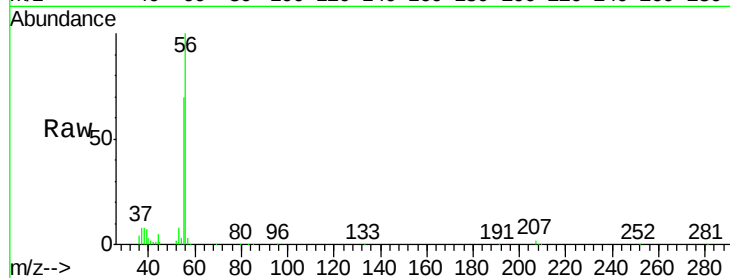
55 71.4 57.1 85.7

Manual Integrations

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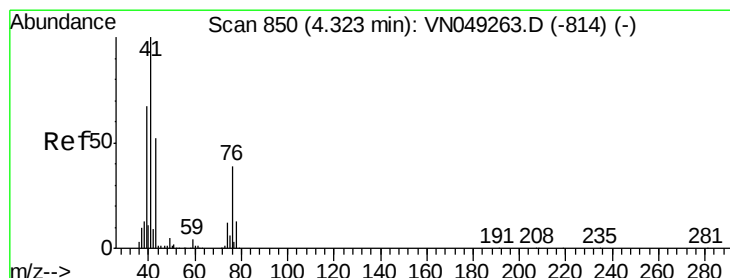
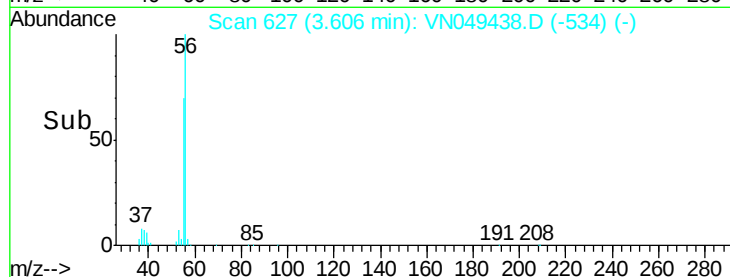
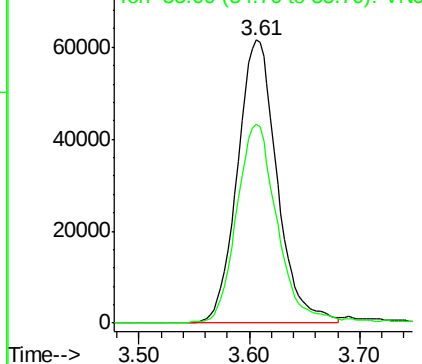
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.15 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

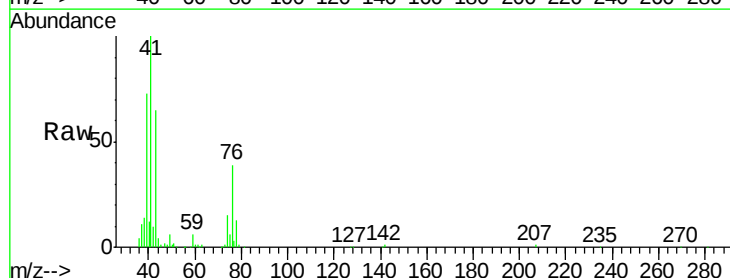
Tgt Ion: 41 Resp: 513011

Ion Ratio Lower Upper

41 100

39 66.7 62.5 93.7

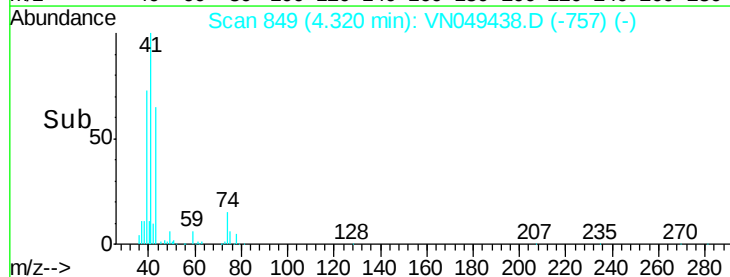
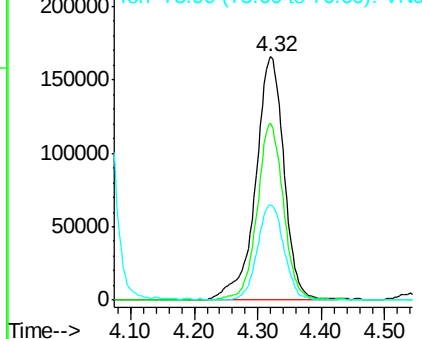
76 35.9 27.1 40.7

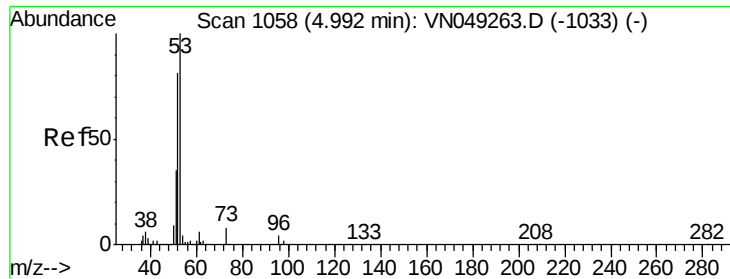


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





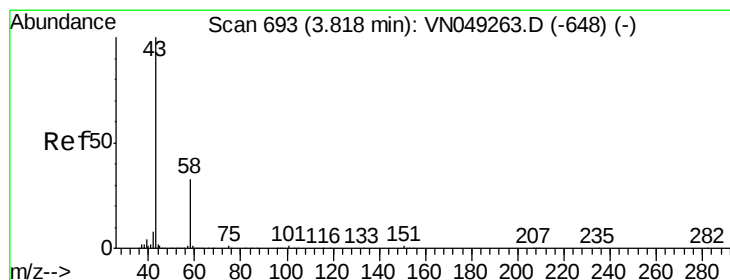
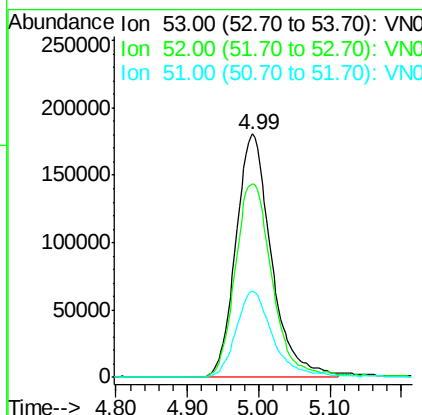
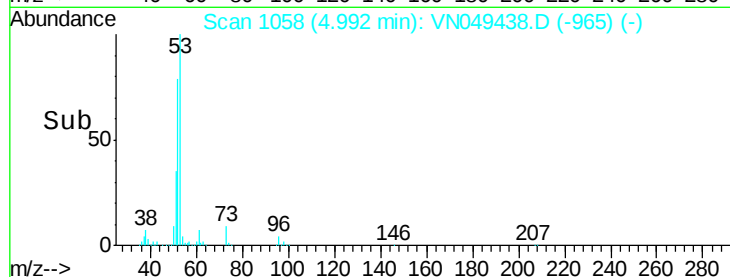
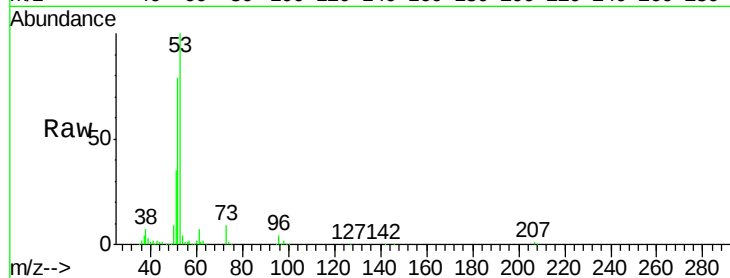
#15
 Acrylonitrile
 Concen: 114.46 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.6	100.0
51	36.0	29.8	44.8

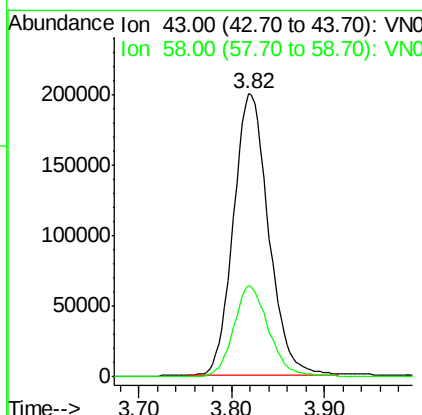
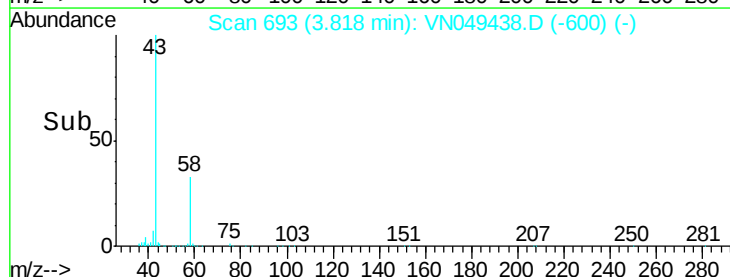
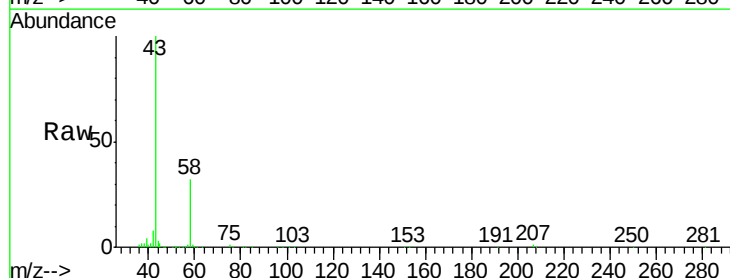
Manual Integrations
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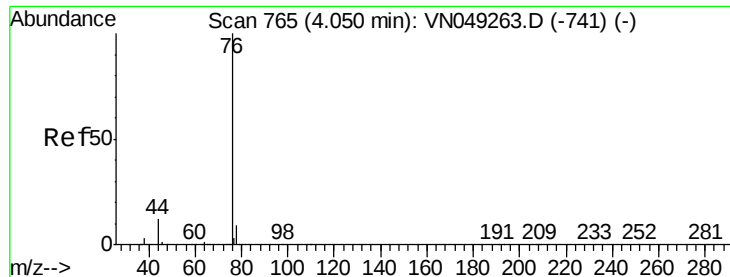
apatel
 6/21/2018 12:00:32 PM



#16
 Acetone
 Concen: 116.15 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.4	33.6





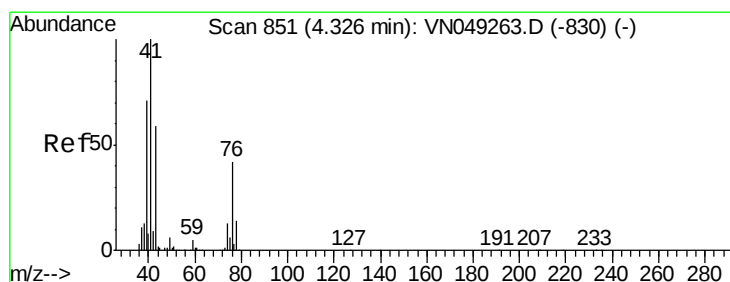
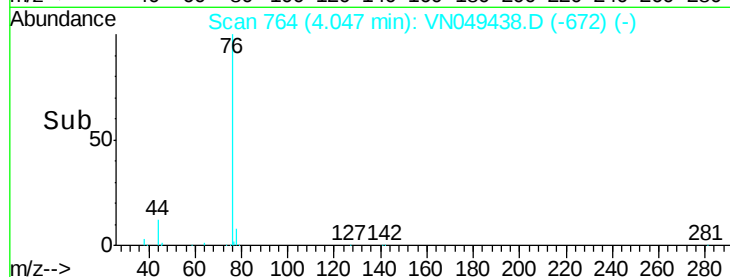
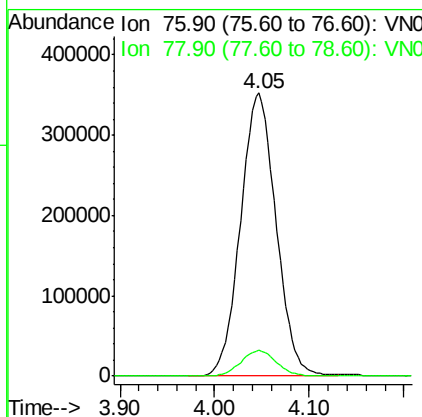
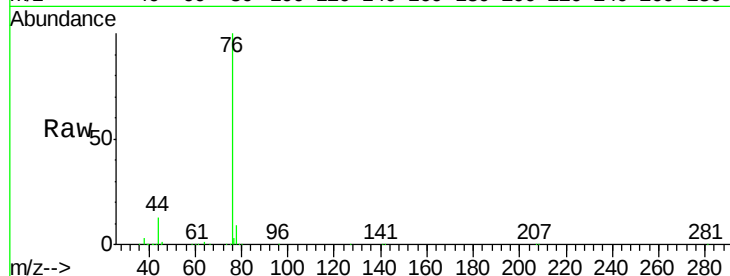
#17
Carbon Disulfide
Concen: 18.18 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

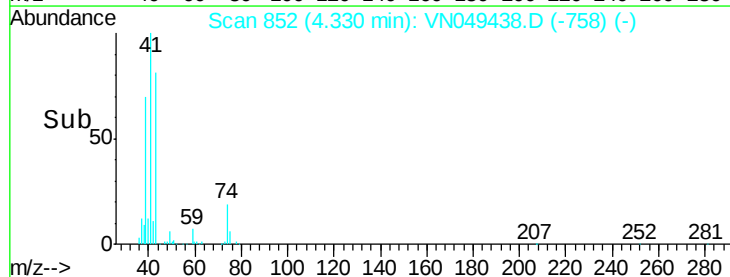
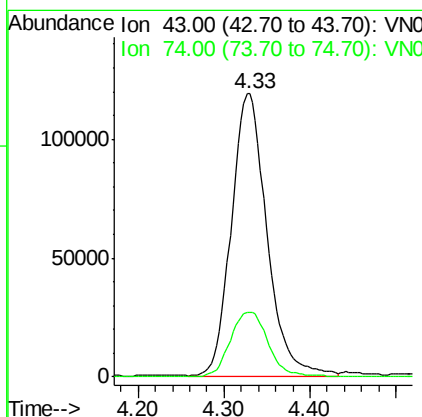
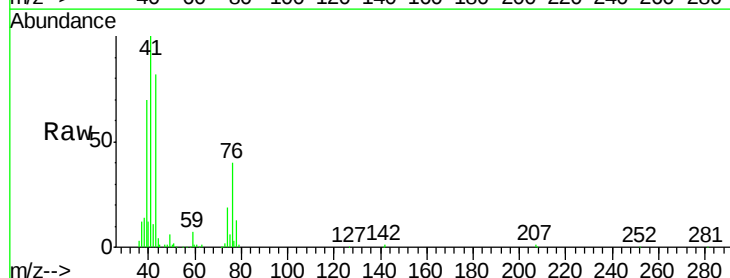
Manual Integrations
APPROVED

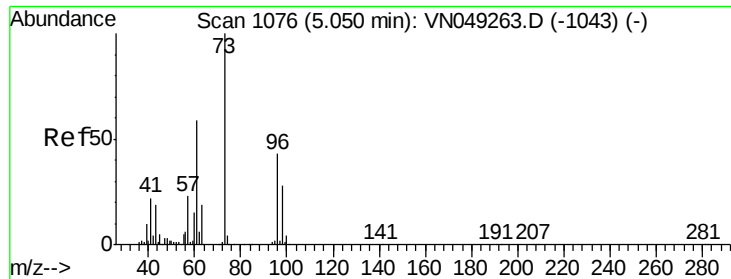
apatel
6/21/2018 12:00:32 PM



#18
Methyl Acetate
Concen: 24.66 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.4	26.0





#19

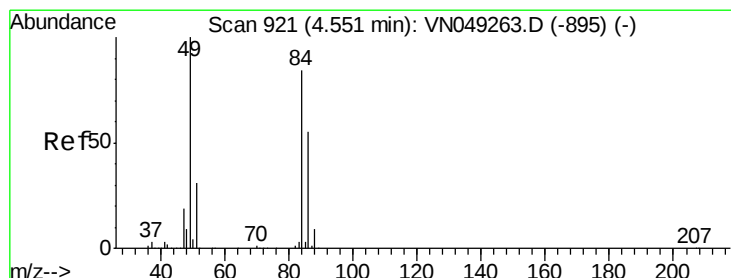
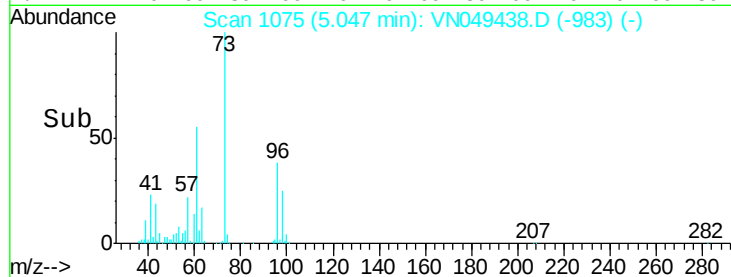
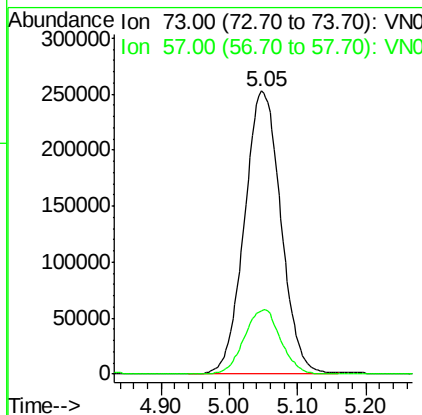
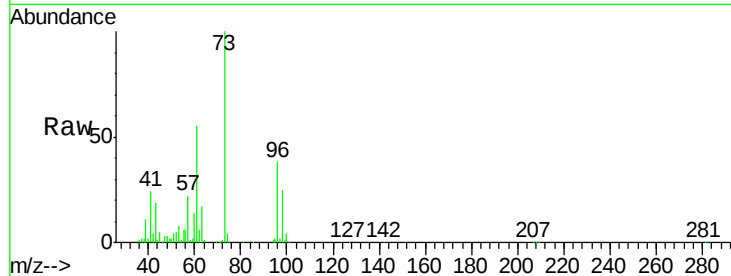
Methyl tert-butyl Ether
 Concen: 22.87 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

Manual Integrations
 APPROVED

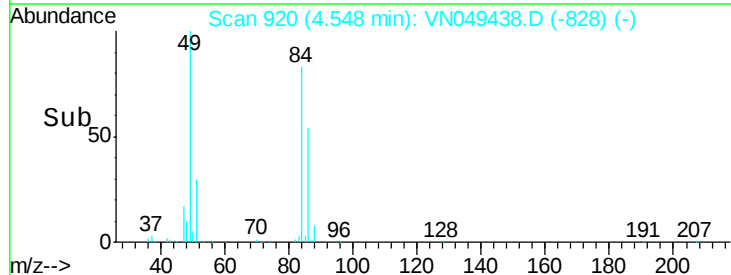
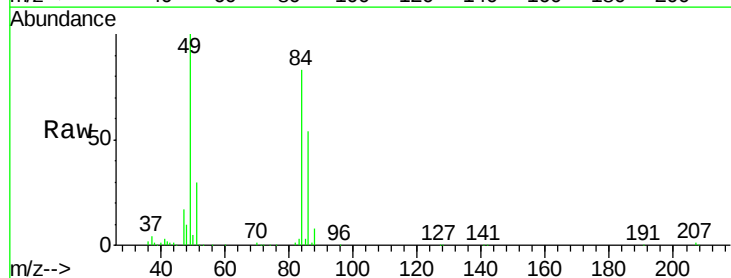
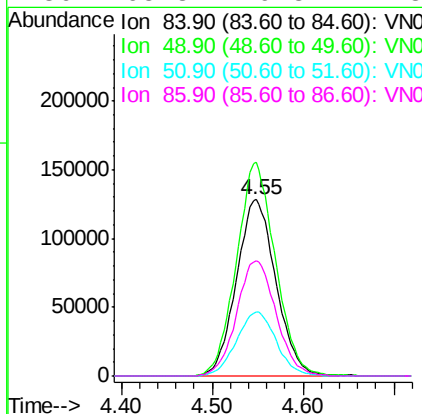
apatel
 6/21/2018 12:00:32 PM

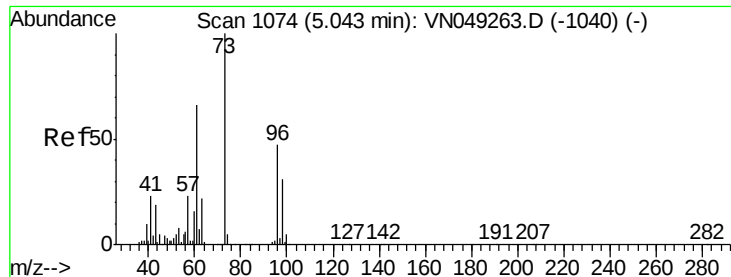


#20

Methylene Chloride
 Concen: 20.40 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	106.9	160.3
51	36.6	32.7	49.1
86	65.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 19.67 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

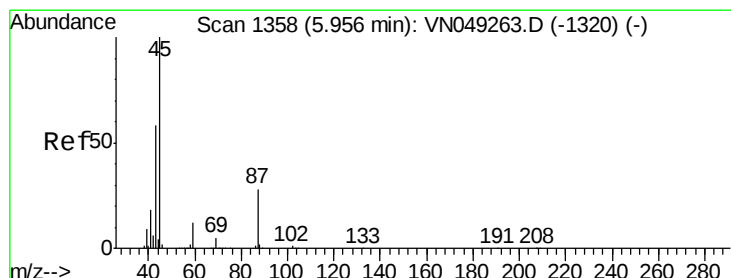
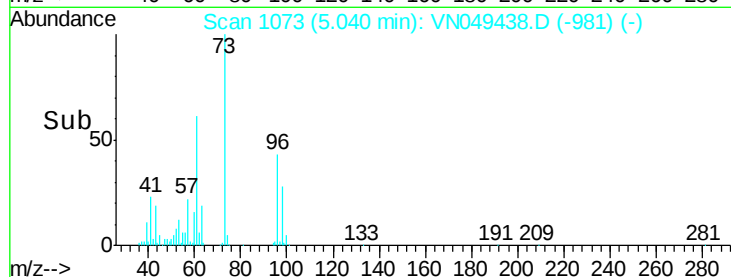
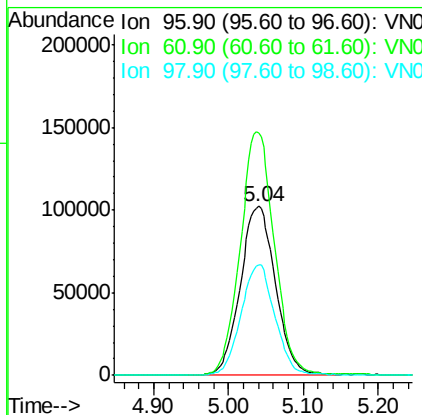
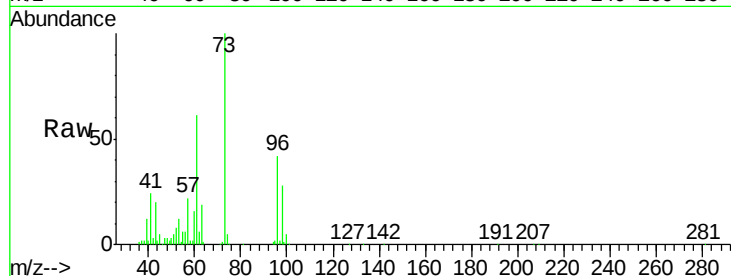
ClientSampleId :

VN0620WBSD01

Tot Ion:	96	Resp:	335631
Ion	Ratio	Lower	Upper
96	100		
61	143.1	121.3	181.9
98	65.4	52.0	78.0

Manual Integrations
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apatel
6/21/2018 12:00:32 PM



#22

Diisopropyl ether

Concen: 22.29 ug/l

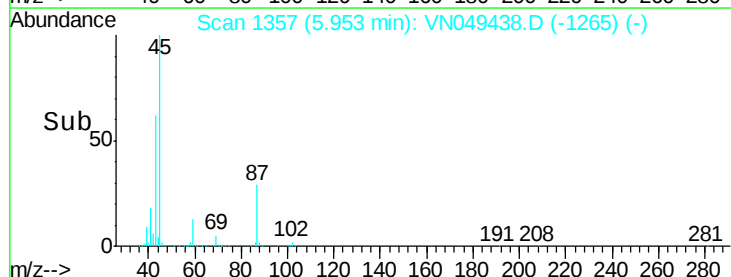
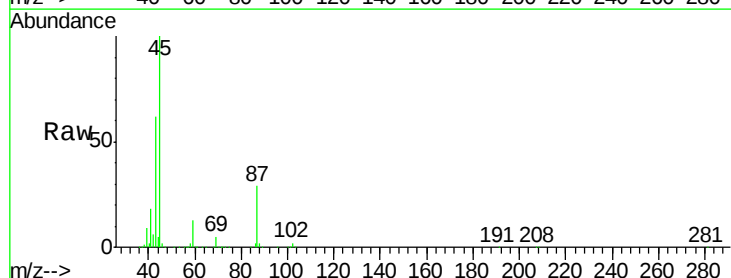
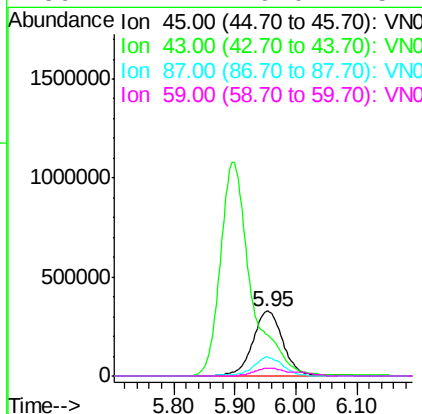
RT: 5.95 min Scan# 1357

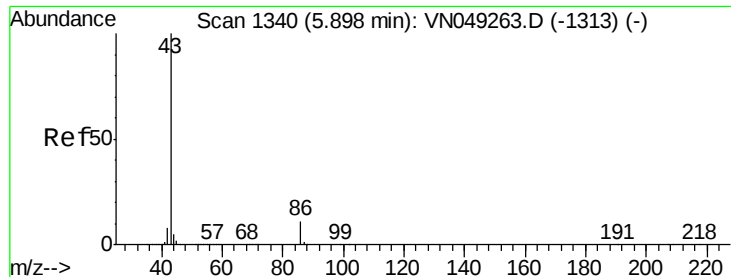
Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	45	Resp:	1132949
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.6	72.8
87	28.6	20.2	30.2
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 113.51 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleID :

VN0620WBSD01

Tot Ion: 43 Resp: 3761138

Ion Ratio Lower Upper

43 100

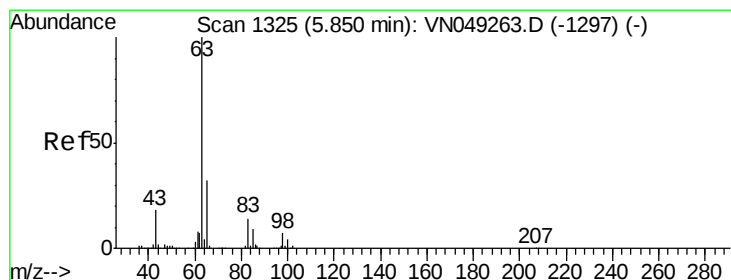
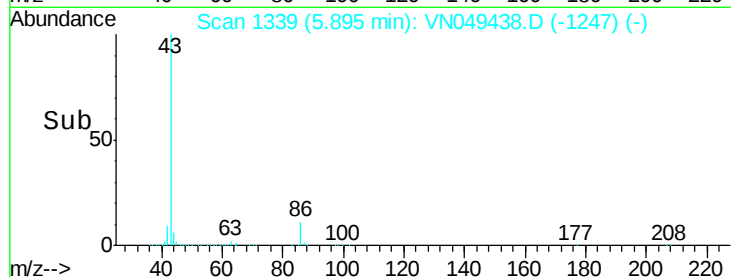
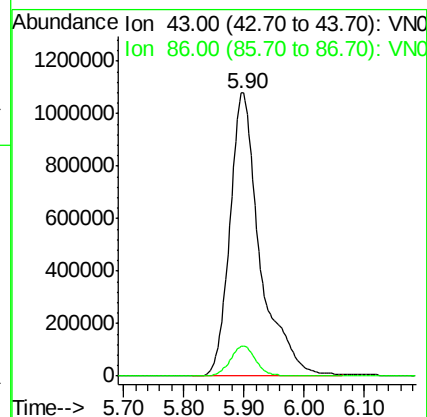
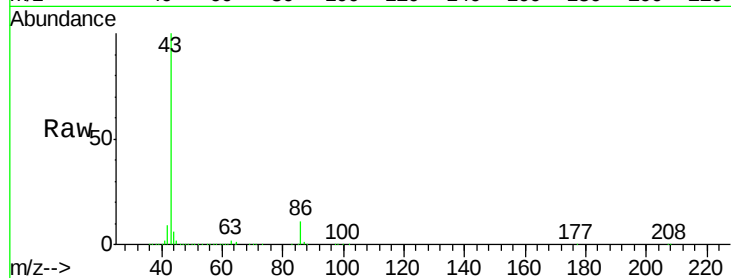
86 10.5 7.2 10.8

Manual Integrations

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apatel

6/21/2018 12:00:32 PM



#24

1,1-Dichloroethane

Concen: 20.51 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

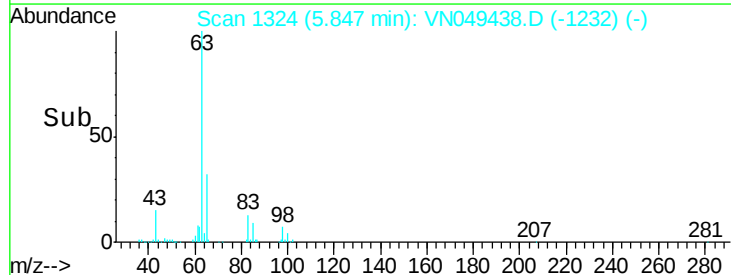
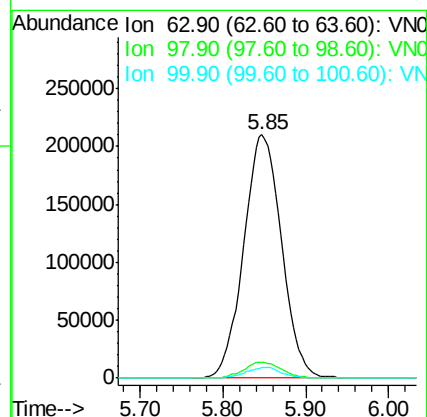
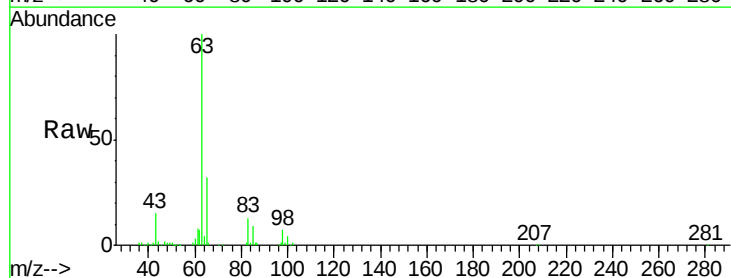
Tgt Ion: 63 Resp: 667387

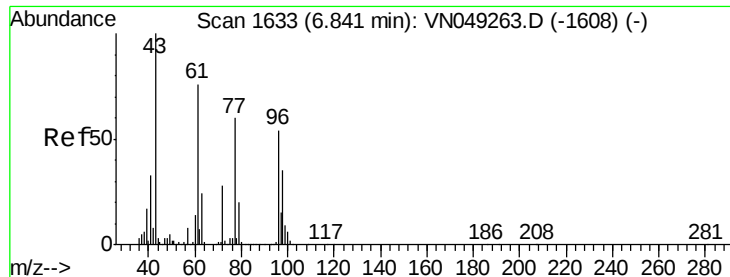
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 117.62 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion: 43 Resp: 715083

Ion Ratio Lower Upper

43 100

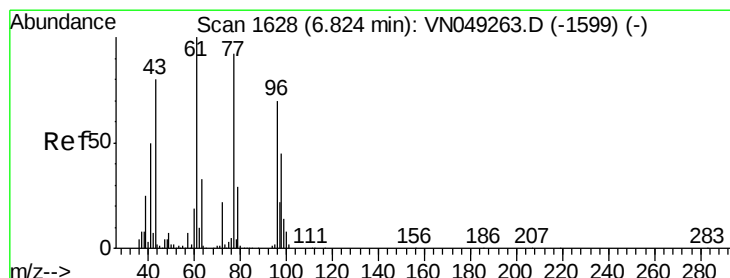
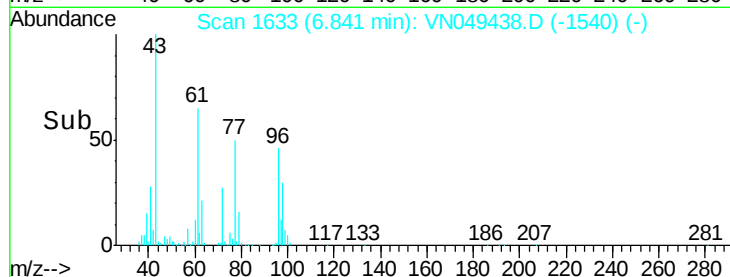
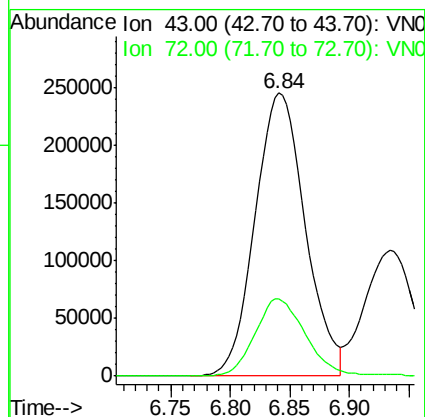
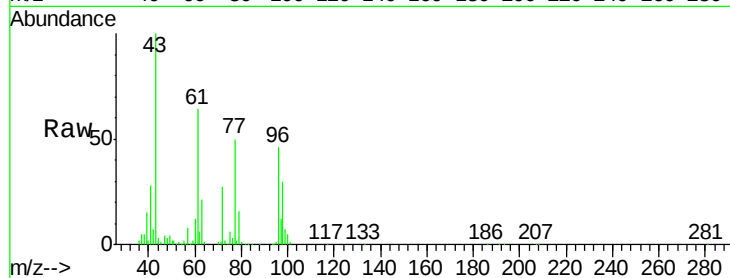
72 27.2 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 20.15 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049438.D

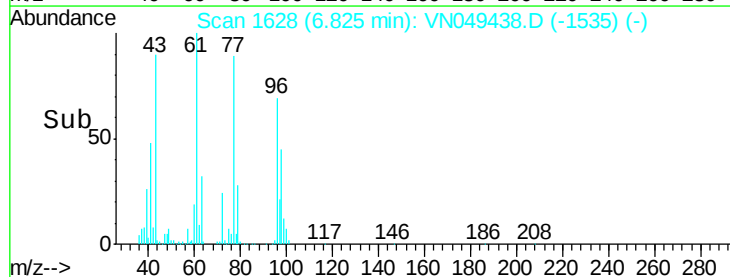
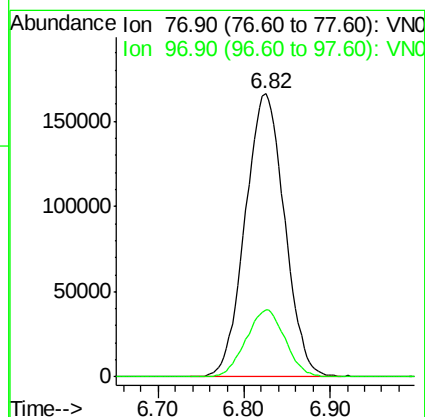
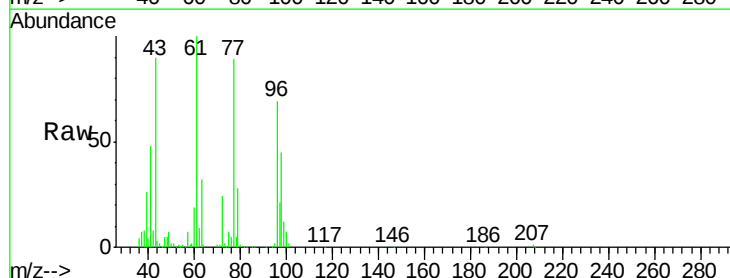
Acq: 20 Jun 2018 16:01

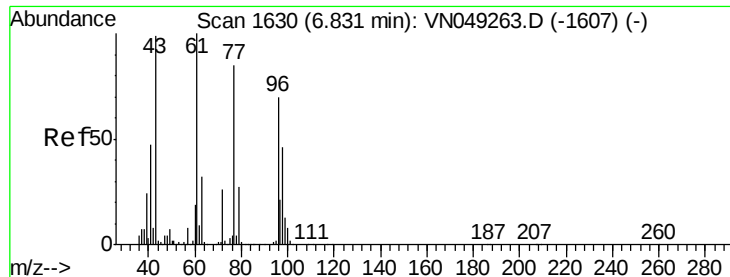
Tgt Ion: 77 Resp: 529334

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.74 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

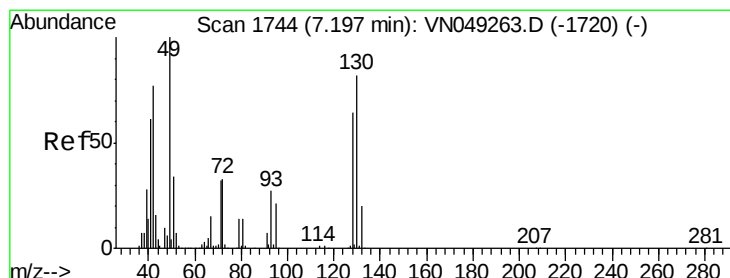
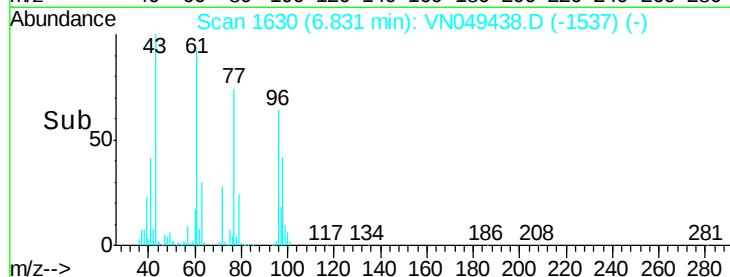
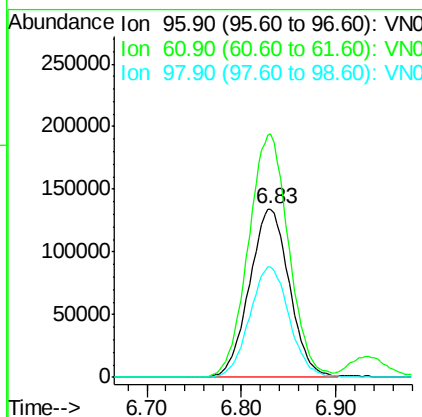
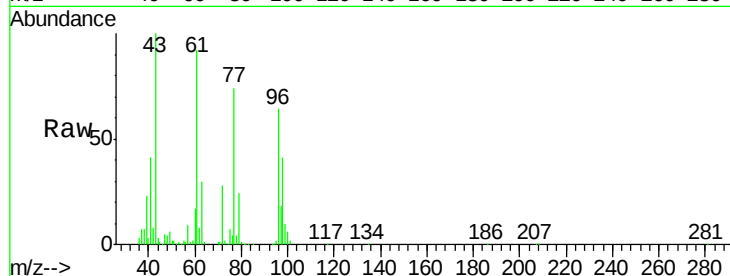
ClientSampleId :

VN0620WBSD01

Tot Ion:	96	Resp:	393567
Ion Ratio	Lower	Upper	
96	100		
61	145.8	0.0	316.4
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 22.56 ug/l

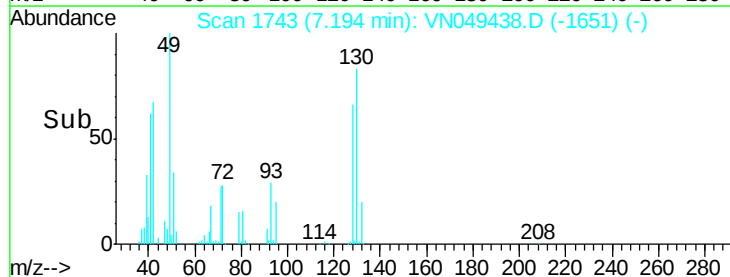
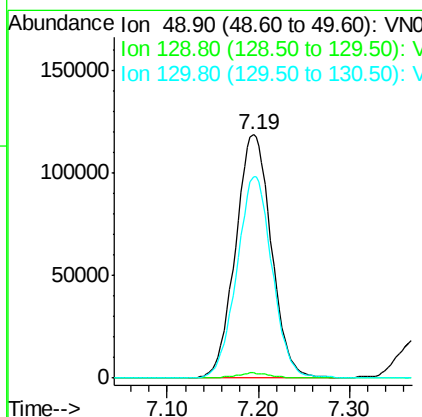
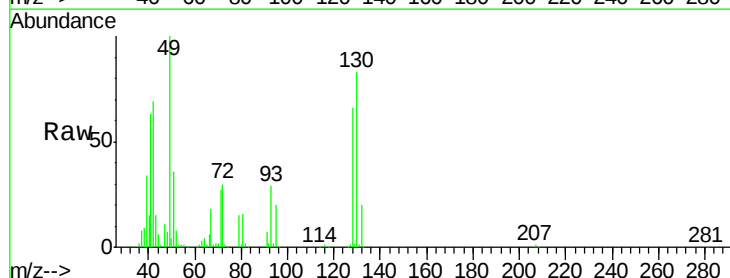
RT: 7.19 min Scan# 1743

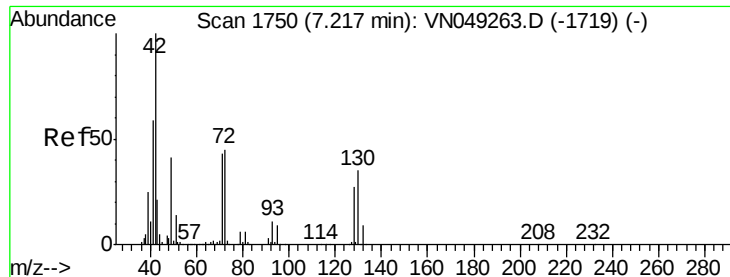
Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	49	Resp:	325376
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	81.4	54.9	82.3





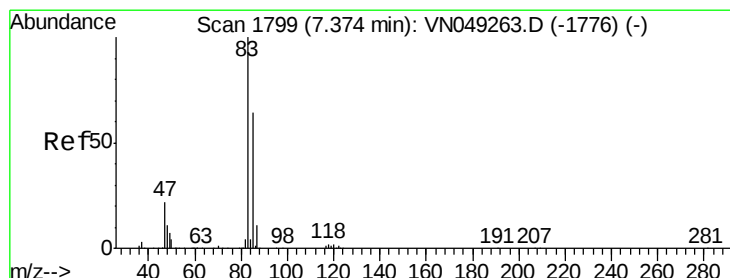
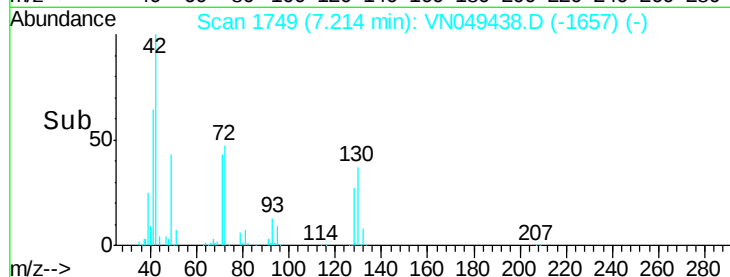
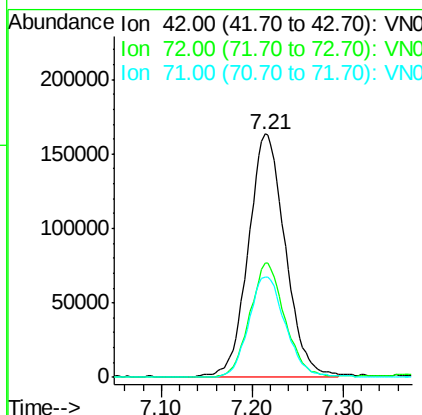
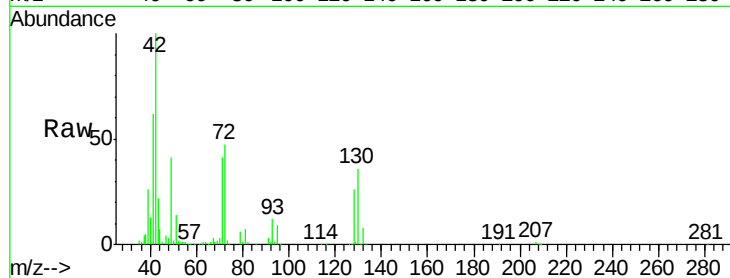
#29
Tetrahydrofuran
Concen: 116.90 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	32.2	48.4
71	41.3	30.5	45.7

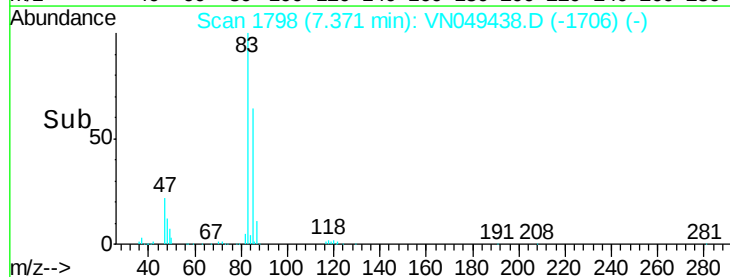
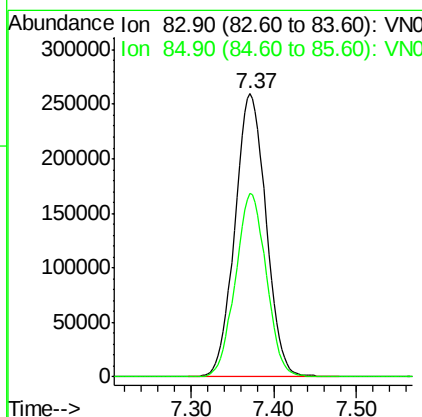
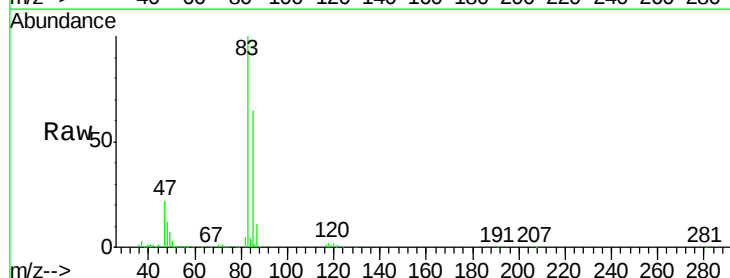
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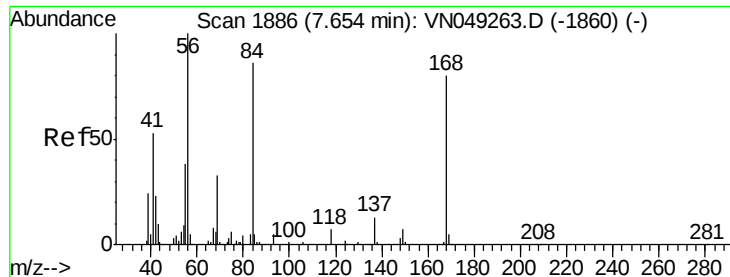
apatel
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#30
Chloroform
Concen: 20.97 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





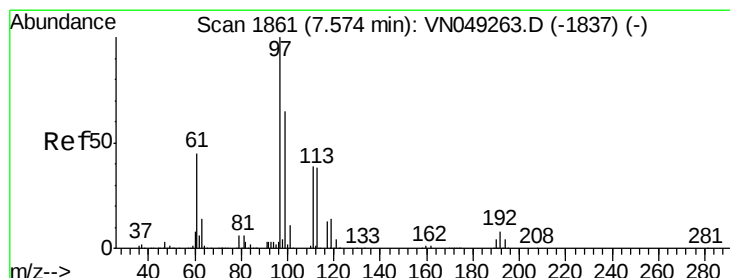
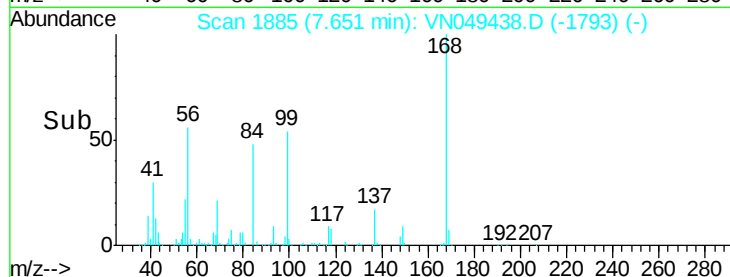
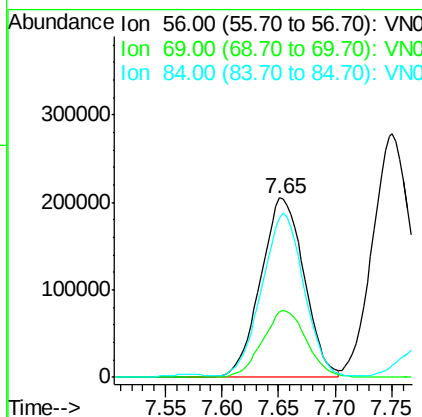
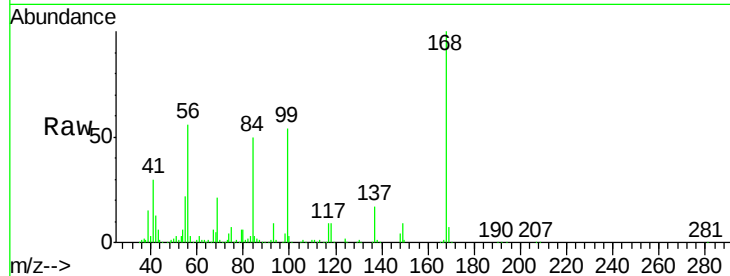
#31
Cyclohexane
Concen: 19.74 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.0	37.4
84	87.4	64.6	96.8

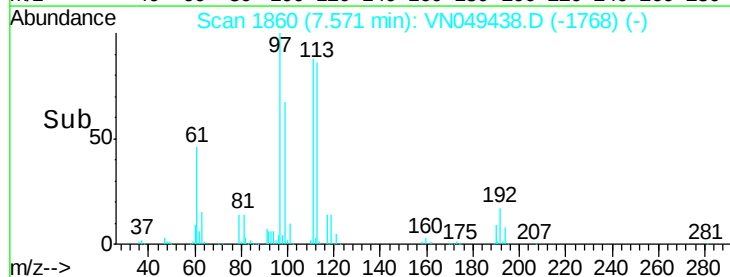
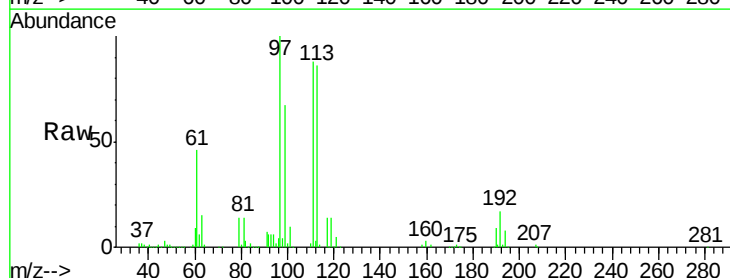
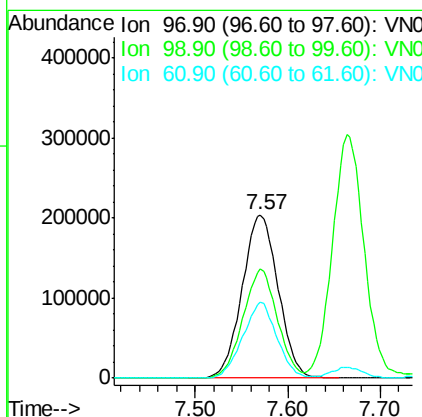
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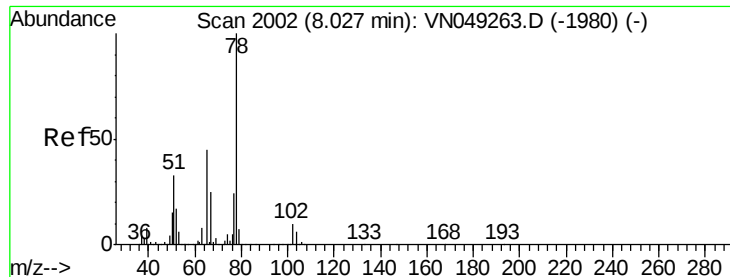
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#32
1,1,1-Trichloroethane
Concen: 19.87 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	44.0	37.9	56.9





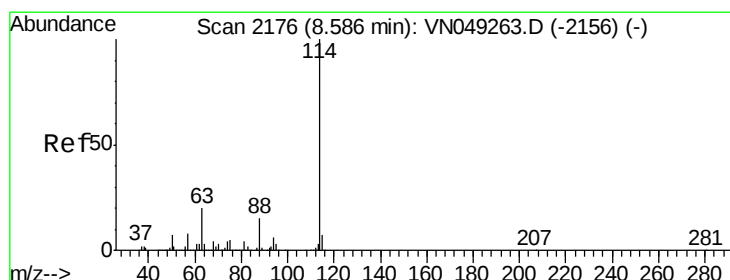
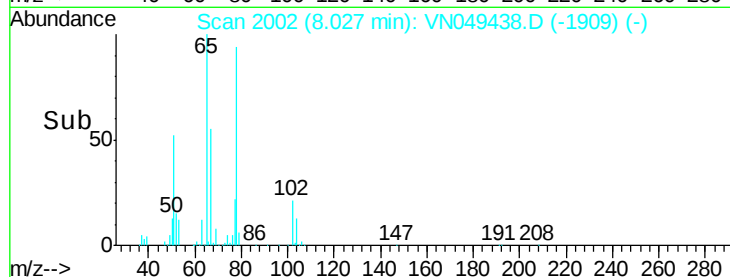
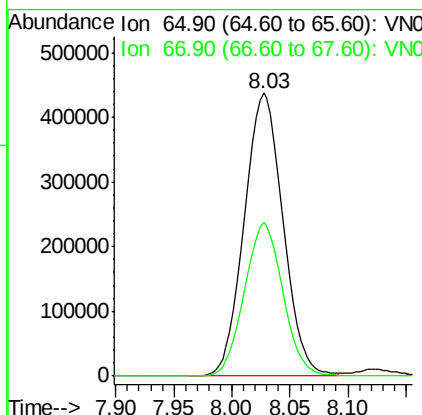
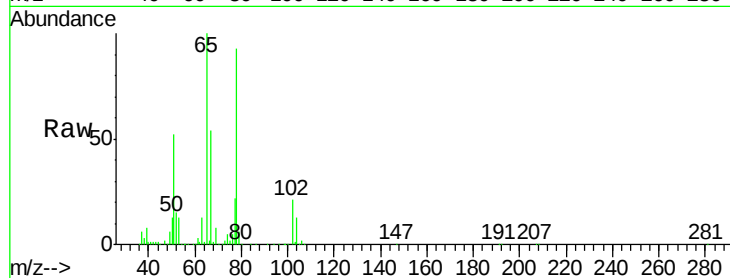
#33
 1,2-Dichloroethane-d4
 Concen: 54.81 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion: 65 Resp: 1022102
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.8

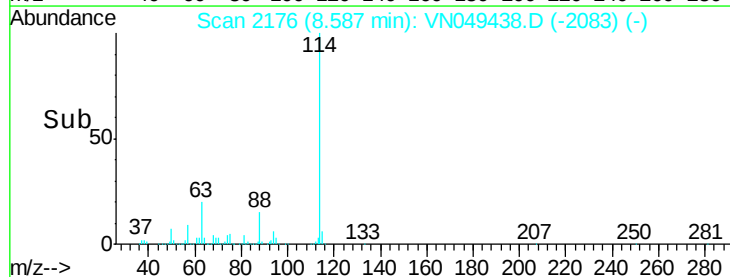
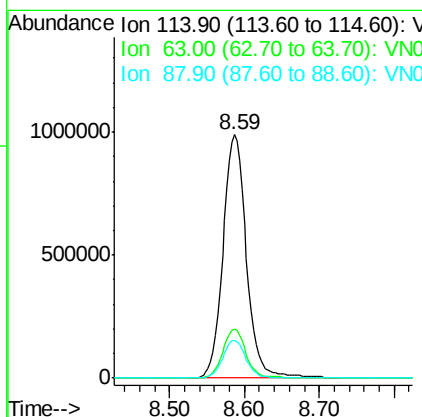
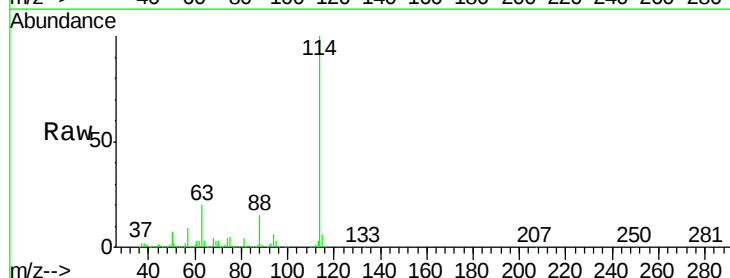
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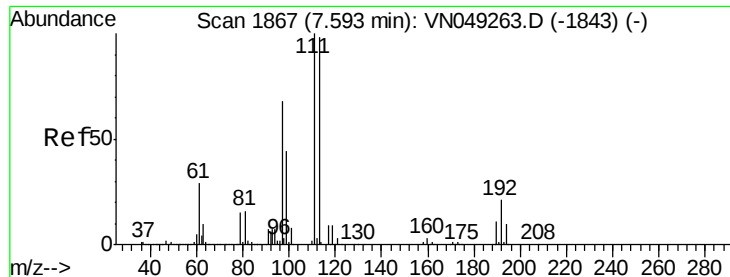
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion: 114 Resp: 2142118
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.4 0.0 31.4





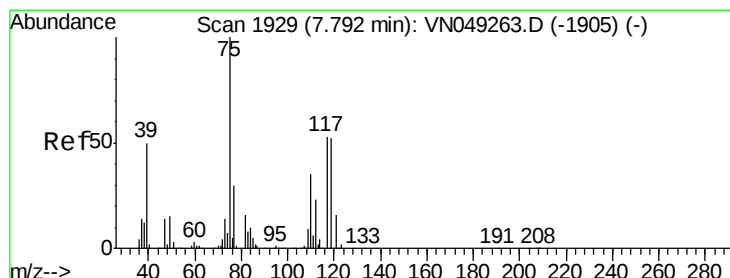
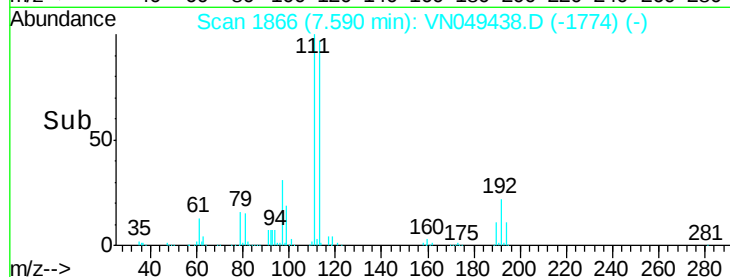
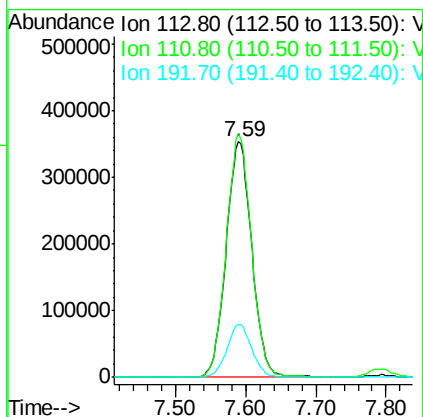
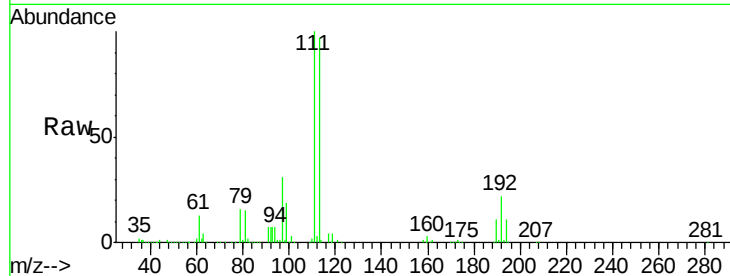
#35
 Dibromofluoromethane
 Concen: 51.99 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	82.4	123.6	
192	21.8	15.0	22.6	

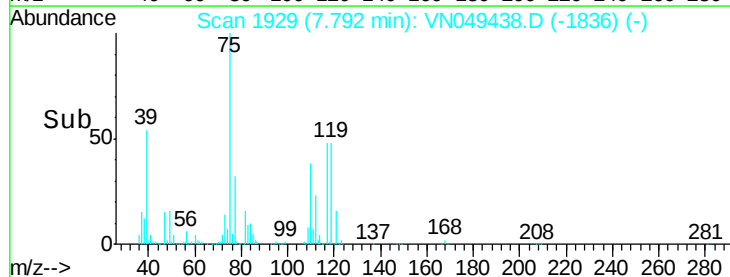
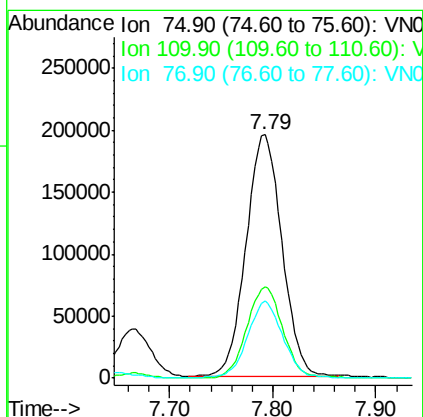
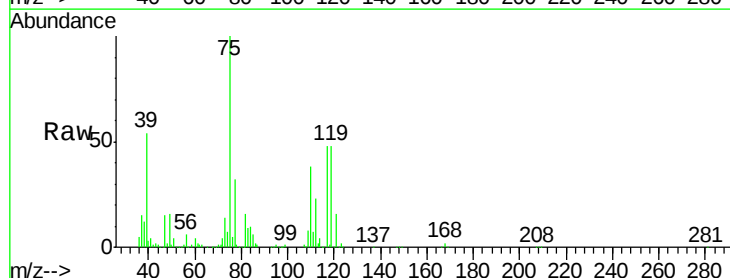
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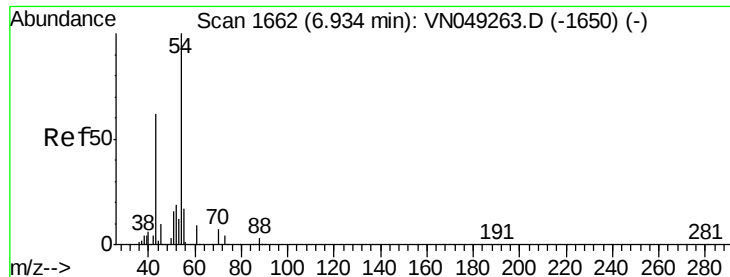
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#36
 1,1-Dichloropropene
 Concen: 19.30 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	17.0	50.9	
77	31.6	24.4	36.6	





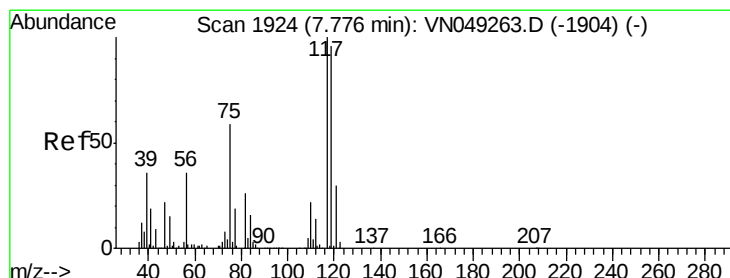
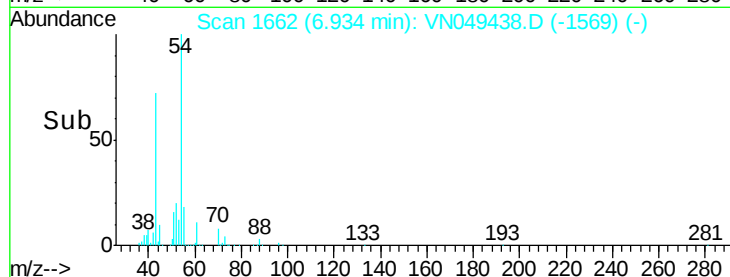
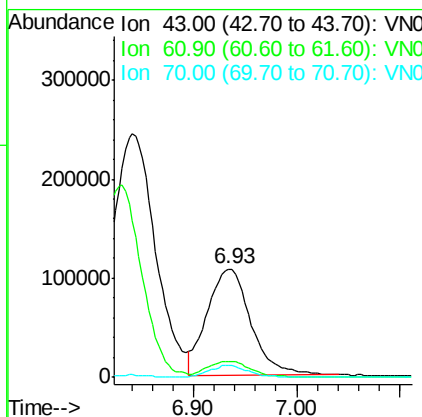
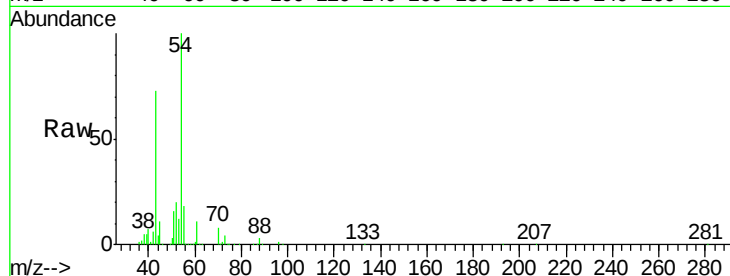
#37
Ethyl Acetate
Concen: 23.84 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.5	7.2	10.8

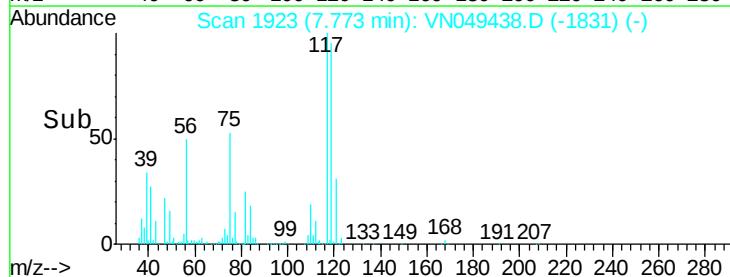
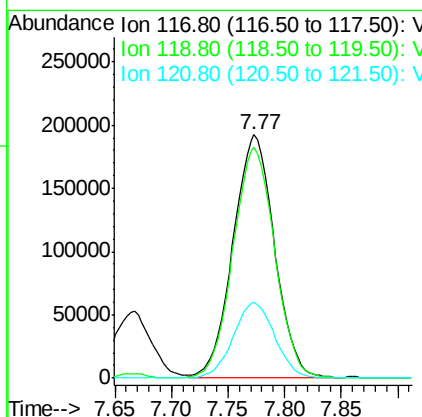
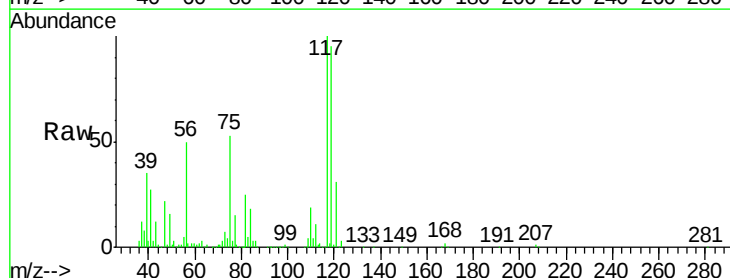
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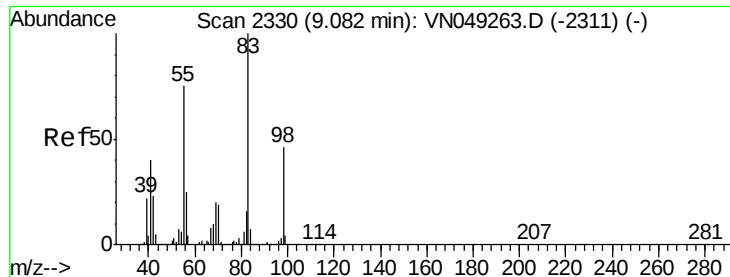
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#38
Carbon Tetrachloride
Concen: 19.18 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.6	113.4
121	31.3	24.7	37.1





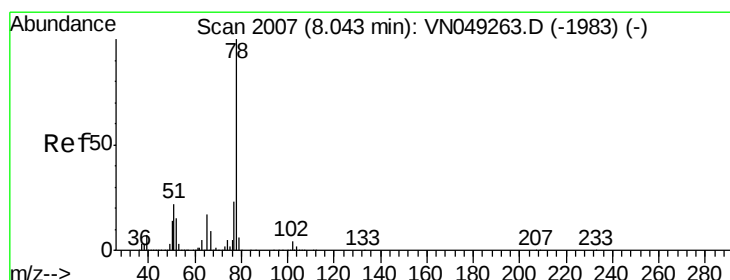
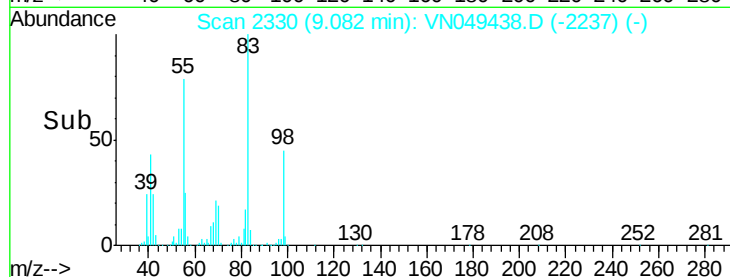
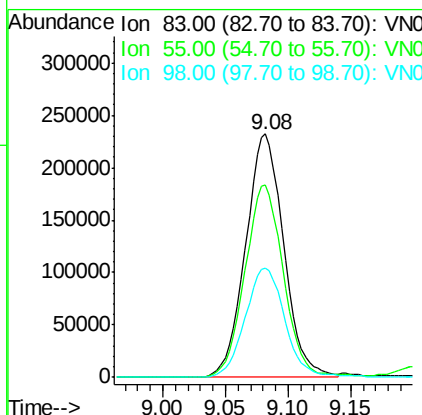
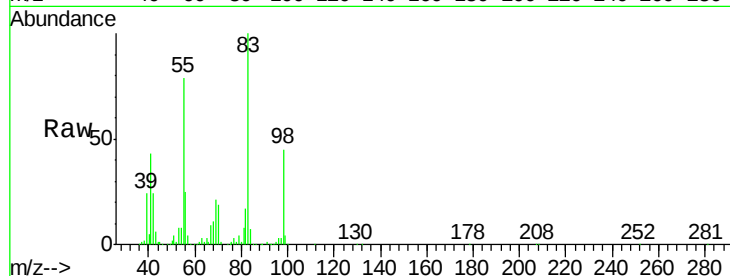
#39
Methvlcvclohexane
Concen: 18.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	65.1	97.7
98	44.9	36.5	54.7

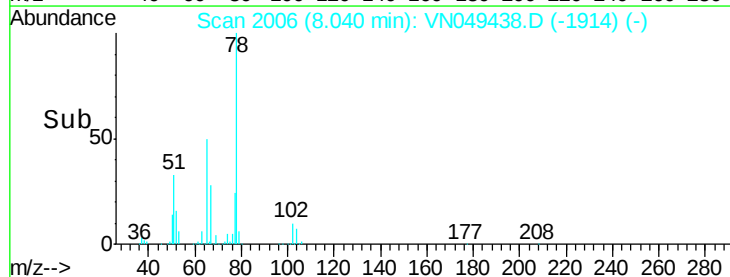
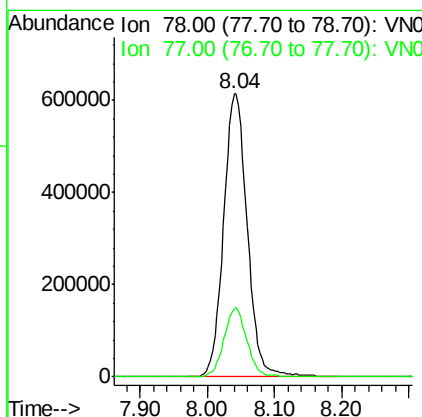
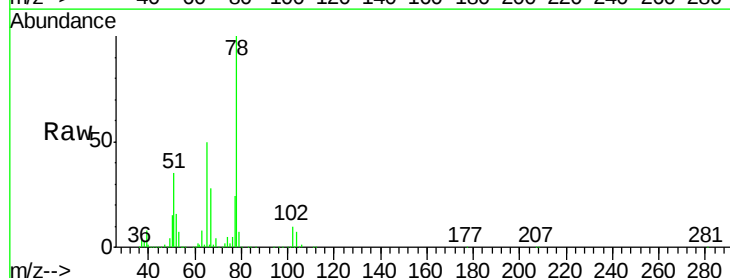
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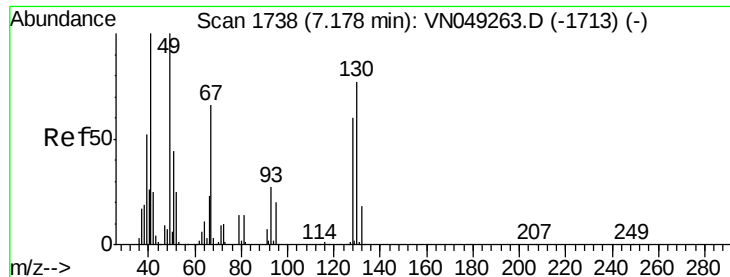
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#40
Benzene
Concen: 20.00 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 23.74 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 41 Resp: 171310

Ion Ratio Lower Upper

41 100

39 54.2 0.0 0.0#

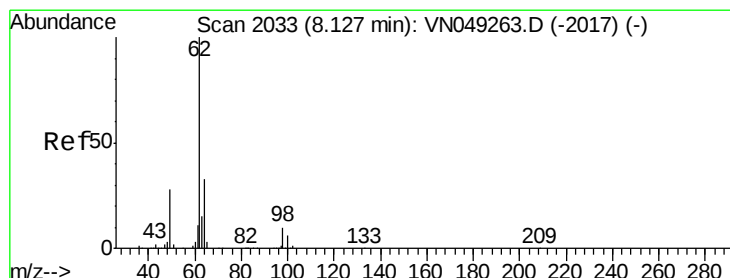
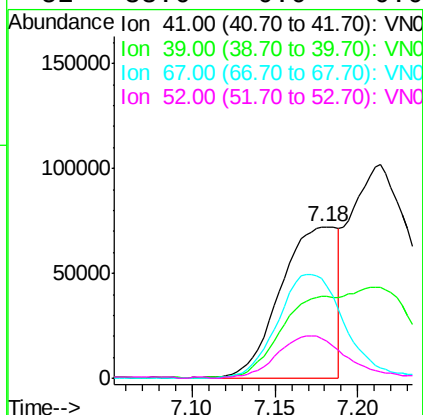
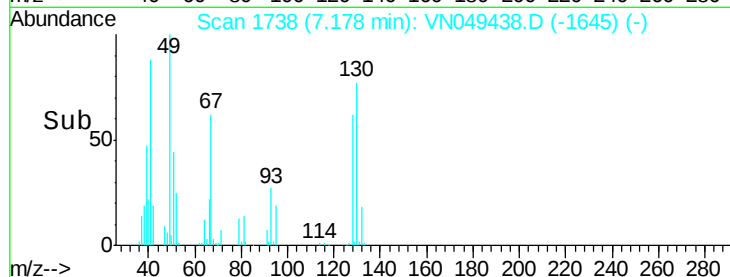
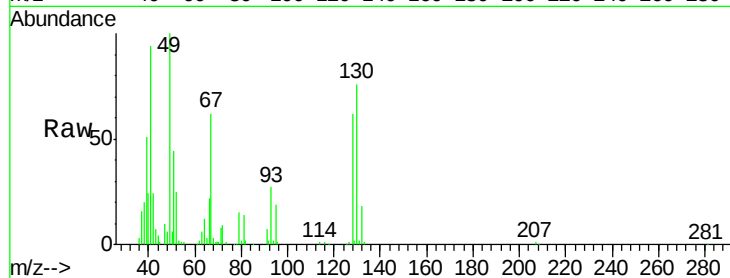
67 82.0 0.0 0.0#

52 33.6 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 21.16 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VN049438.D

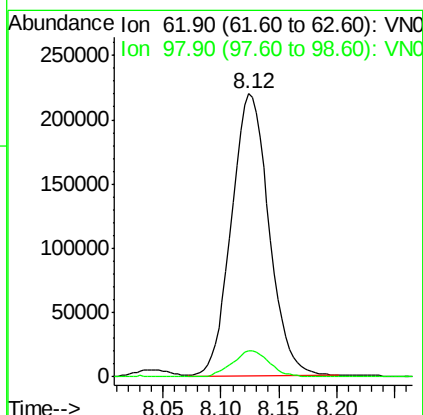
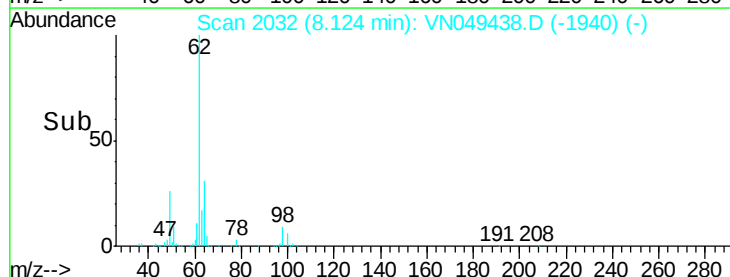
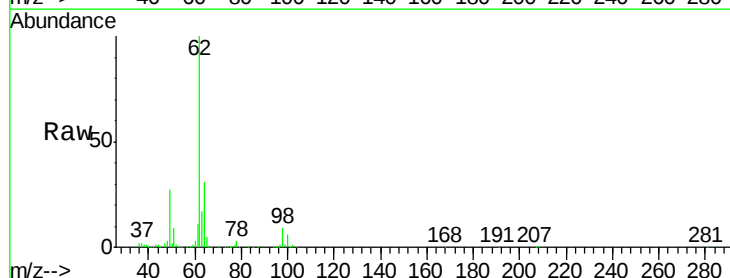
Acq: 20 Jun 2018 16:01

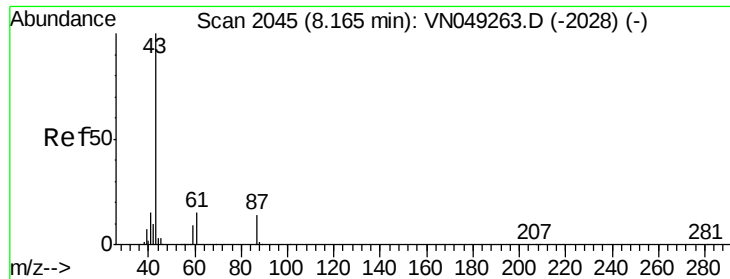
Tgt Ion: 62 Resp: 491980

Ion Ratio Lower Upper

62 100

98 9.3 0.0 16.2





#43

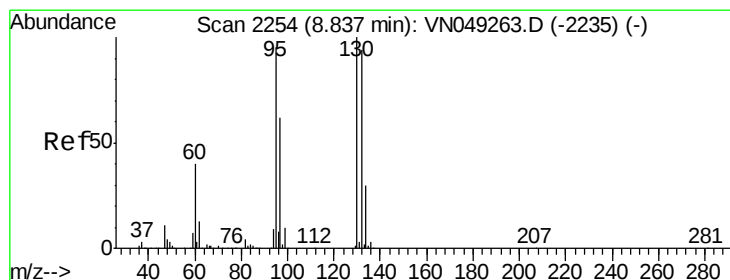
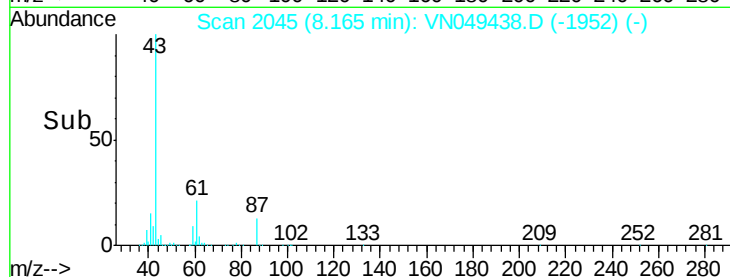
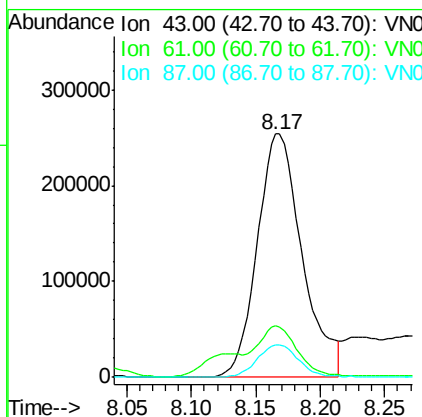
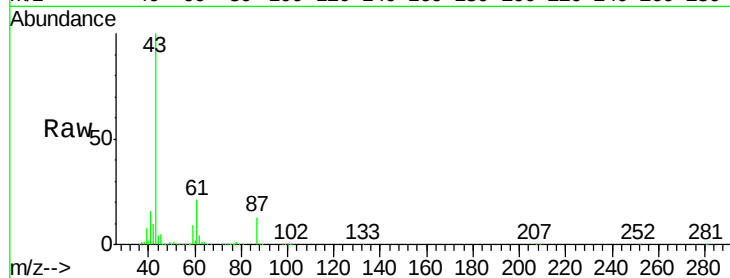
Isopropyl Acetate
 Concen: 24.10 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	43	Resp	614528
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.4
87	12.6	9.4	14.0

Manual Integrations
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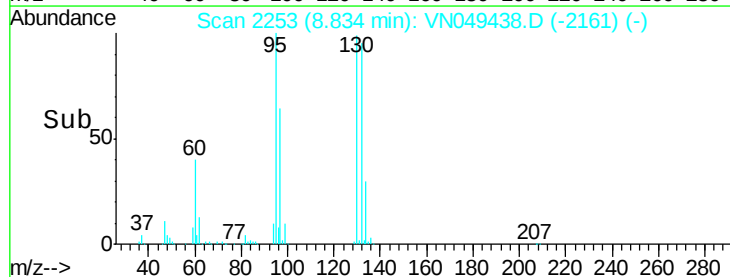
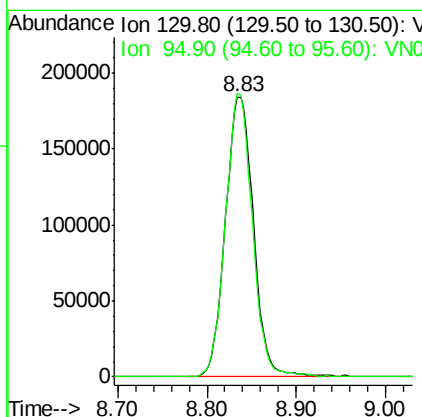
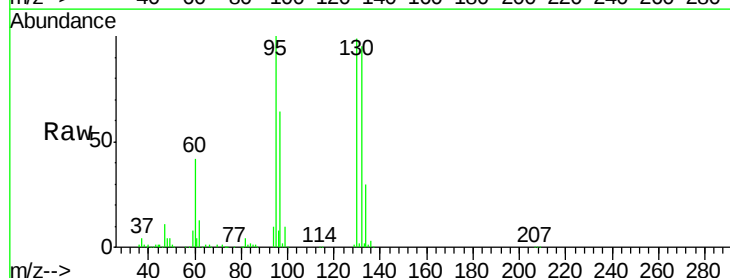
apatel
 6/21/2018 12:00:32 PM

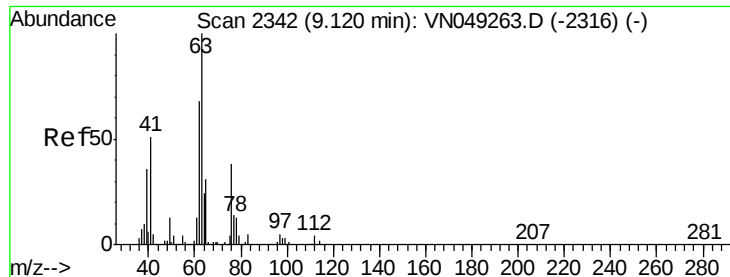


#44

Trichloroethene
 Concen: 20.20 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	130	Resp	401557
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	208.6





#45

1,2-Dichloropropane

Concen: 20.56 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 63 Resp: 405254

Ion Ratio Lower Upper

63 100

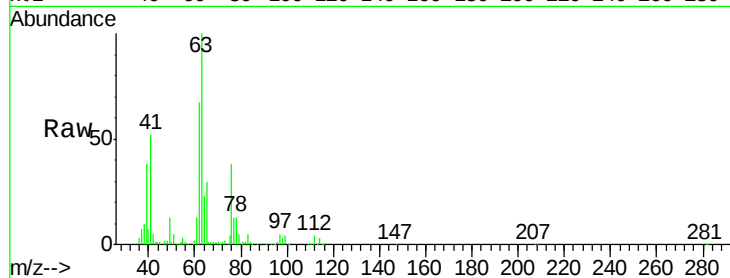
65 30.0 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

200000

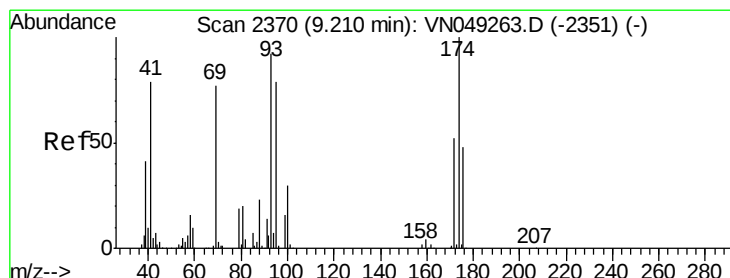
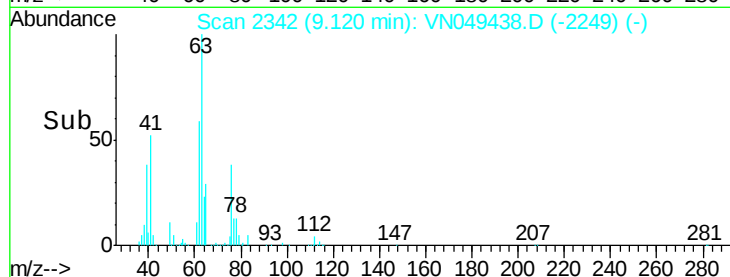
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 21.71 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

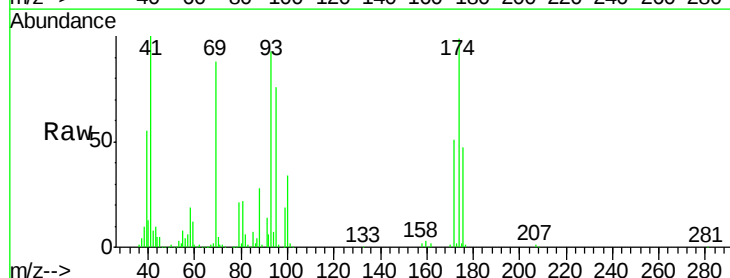
Tgt Ion: 93 Resp: 248089

Ion Ratio Lower Upper

93 100

95 82.2 67.2 100.8

174 109.3 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.21

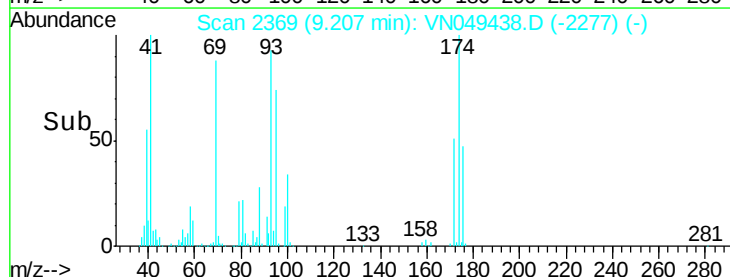
150000

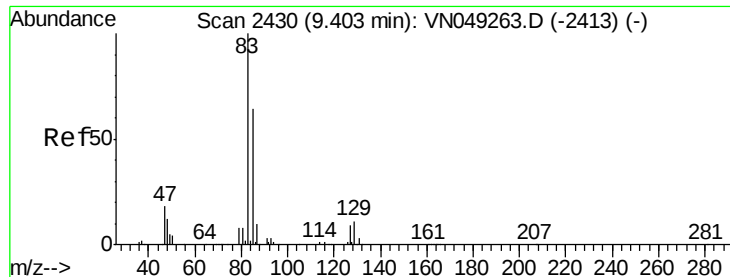
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

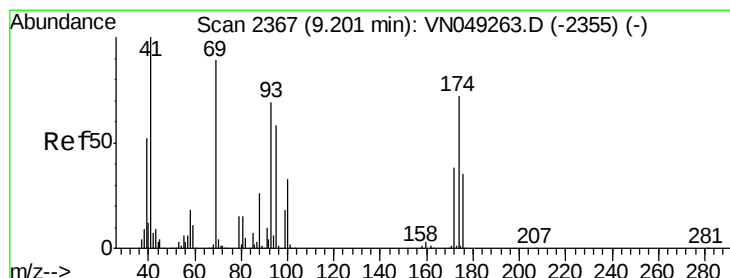
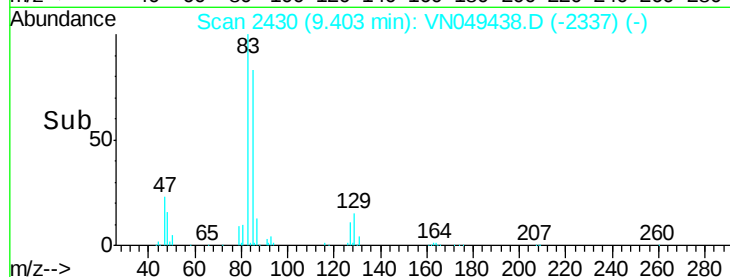
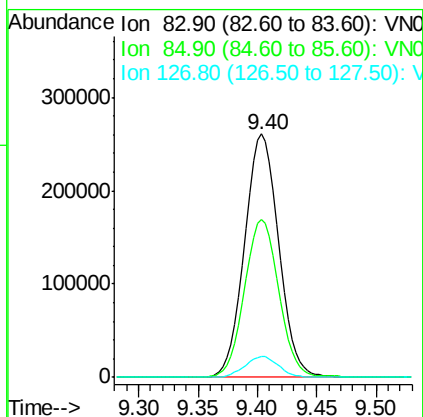
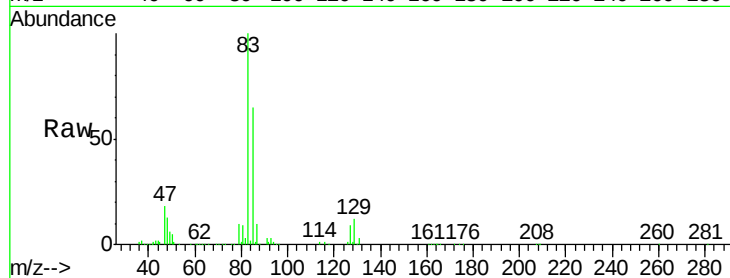
ClientSampleId :

VN0620WBSD01

Tot Ion:	83	Resp:	519212
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.4	74.0
127	8.7	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.15 ug/l

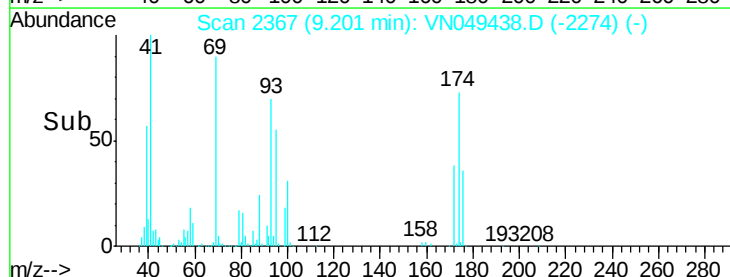
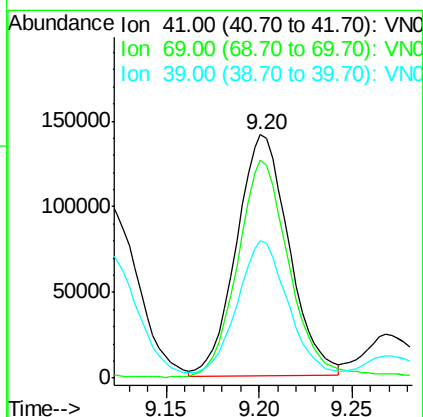
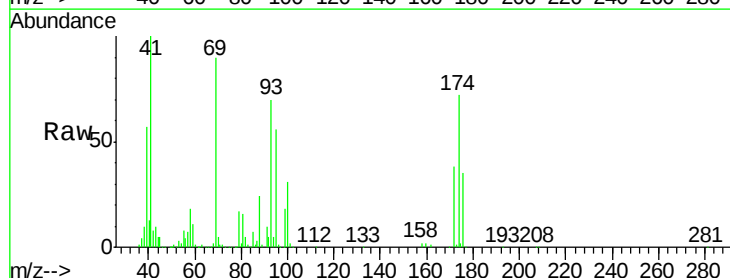
RT: 9.20 min Scan# 2367

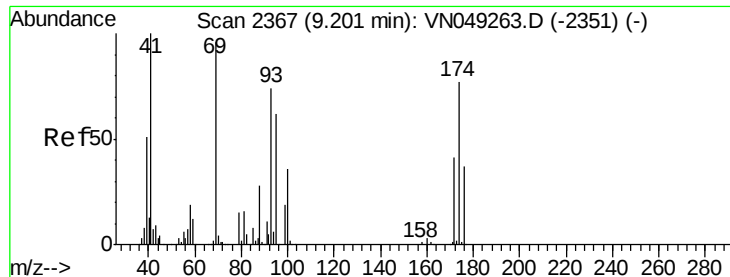
Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	41	Resp:	277945
Ion Ratio	Lower	Upper	
41	100		
69	88.9	62.0	93.0
39	54.6	50.6	75.8





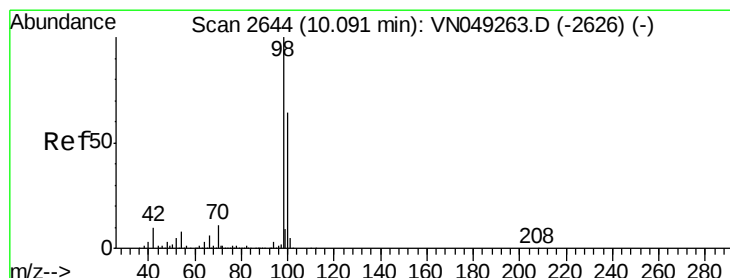
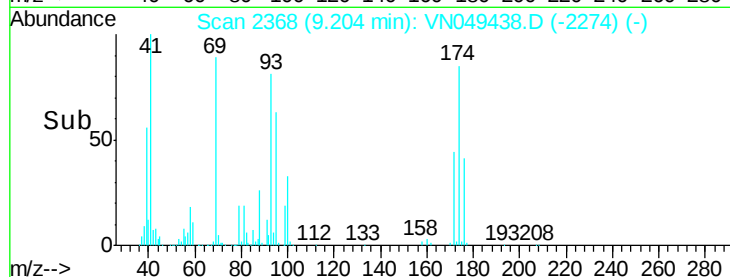
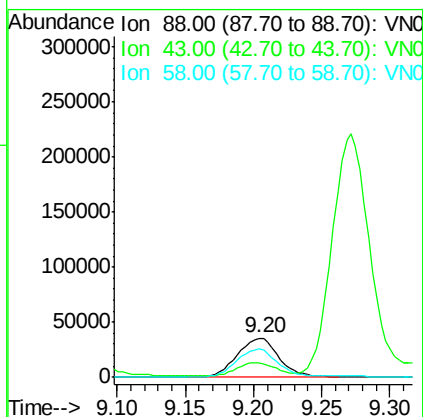
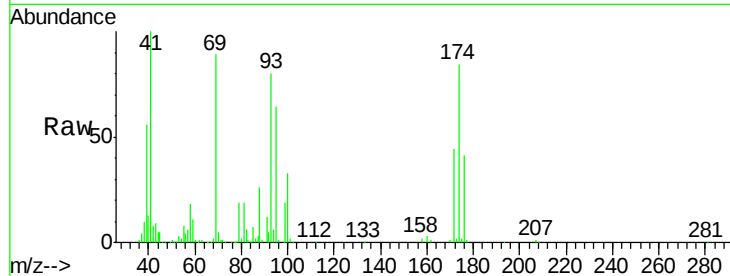
#49
1,4-Dioxane
Concen: 459.34 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	30.9	46.3
58	72.1	58.9	88.3

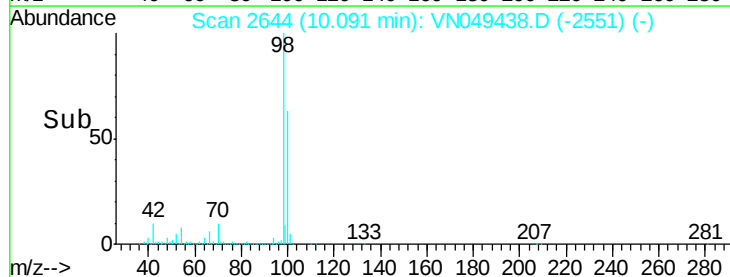
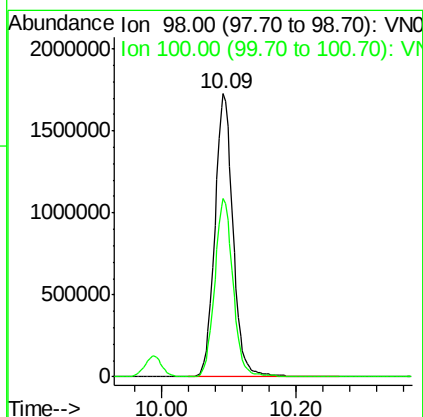
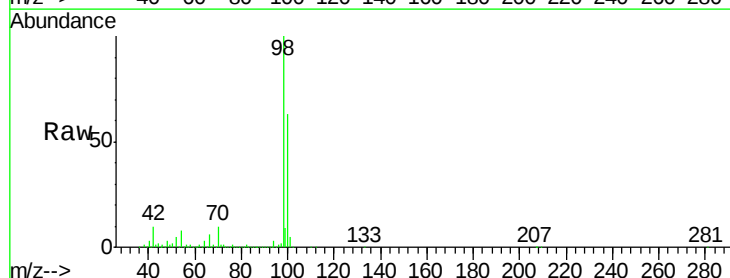
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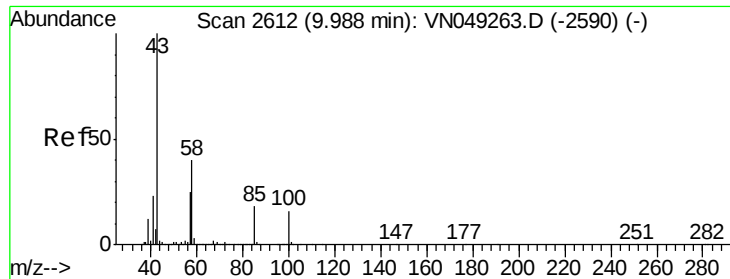
apatel
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#50
Toluene-d8
Concen: 49.21 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





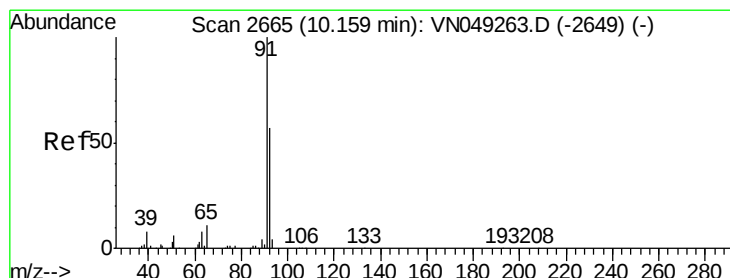
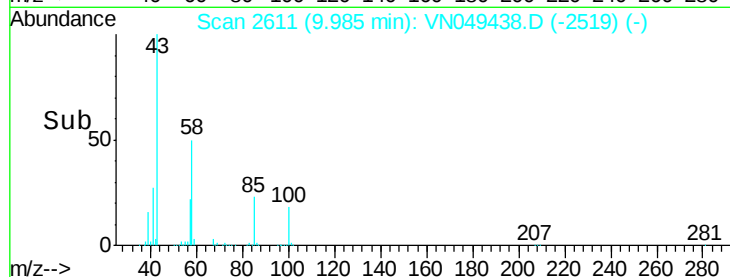
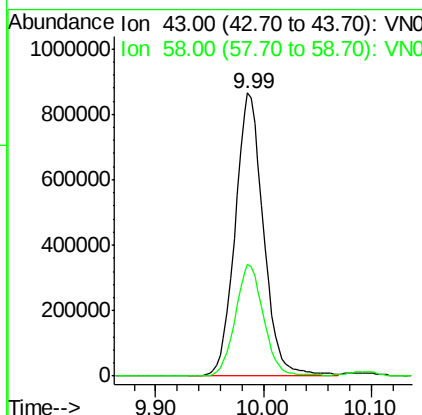
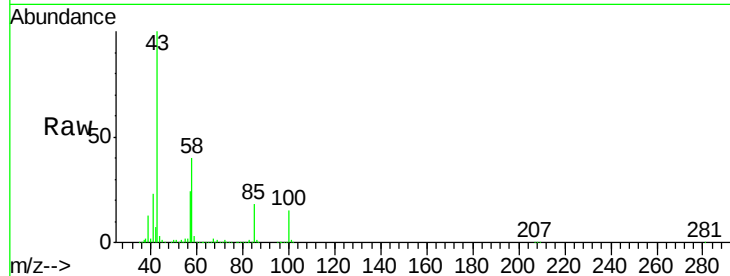
#51
 4-Methyl-2-Pentanone
 Concen: 117.99 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0620WBSD01

Tot Ion: 43 Resp: 1577035
 Ion Ratio Lower Upper
 43 100
 58 39.8 29.0 43.6

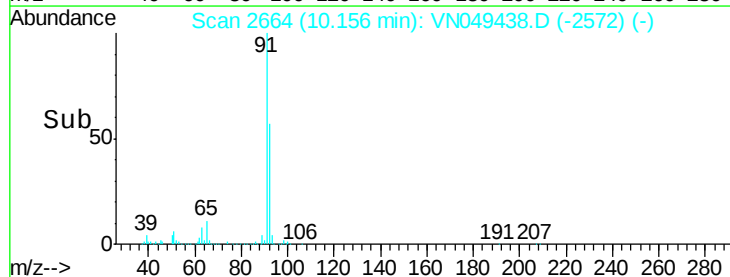
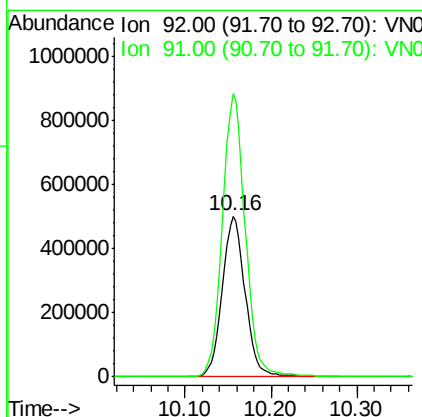
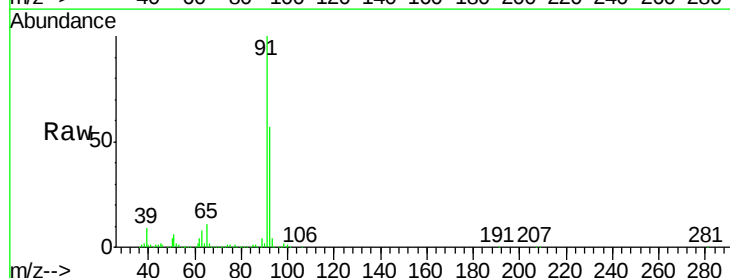
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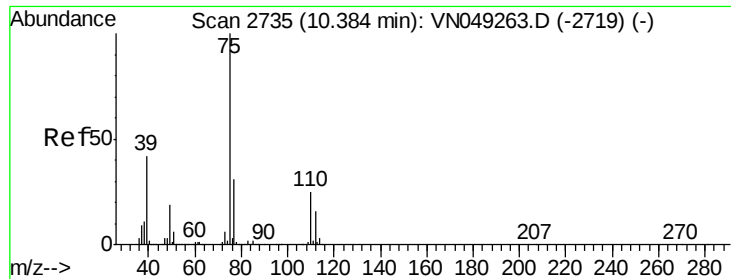
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#52
 Toluene
 Concen: 20.96 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion: 92 Resp: 926066
 Ion Ratio Lower Upper
 92 100
 91 177.3 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 21.45 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 75 Resp: 515281

Ion Ratio Lower Upper

75 100

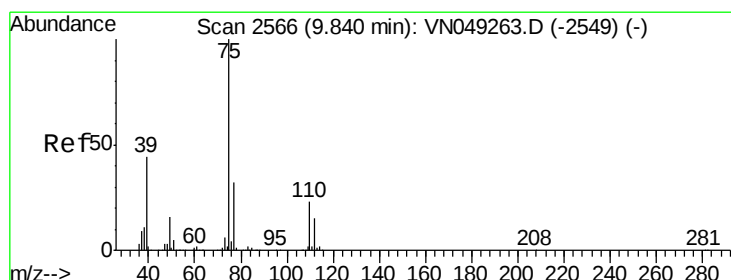
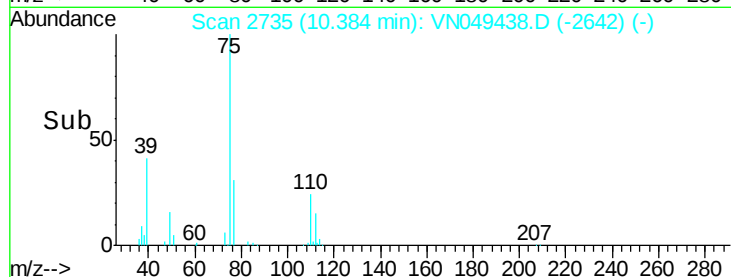
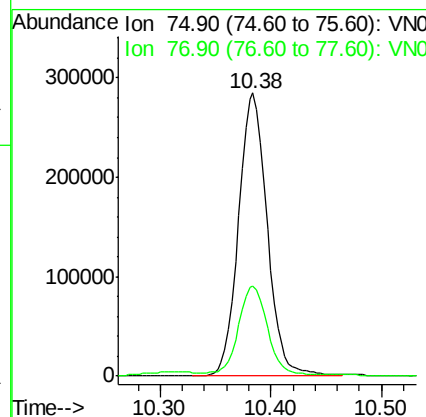
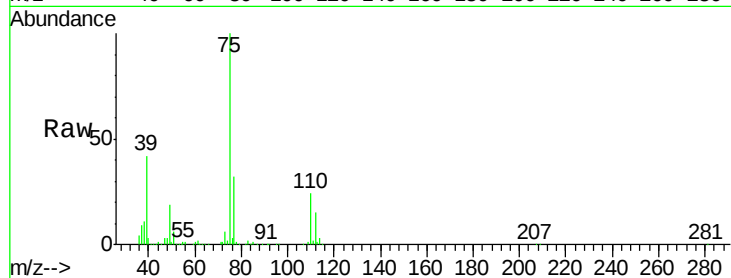
77 31.5 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.93 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

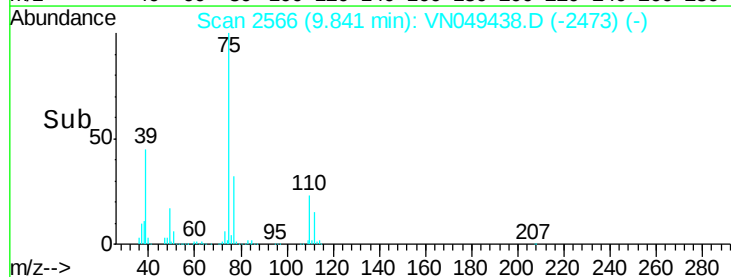
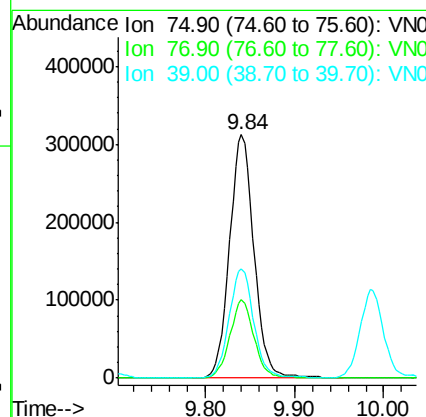
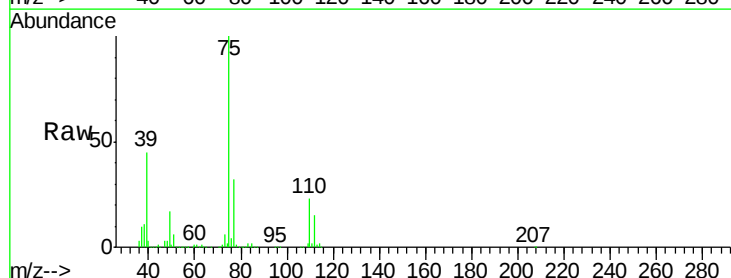
Tgt Ion: 75 Resp: 593629

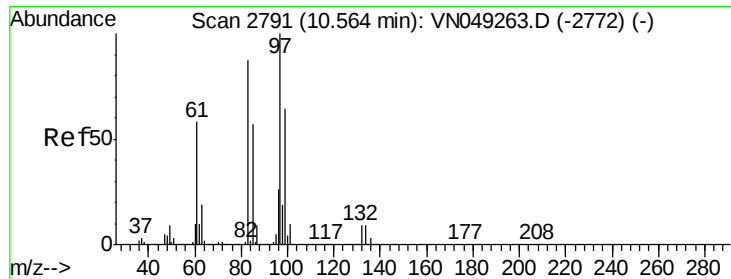
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.6 45.1 67.7#





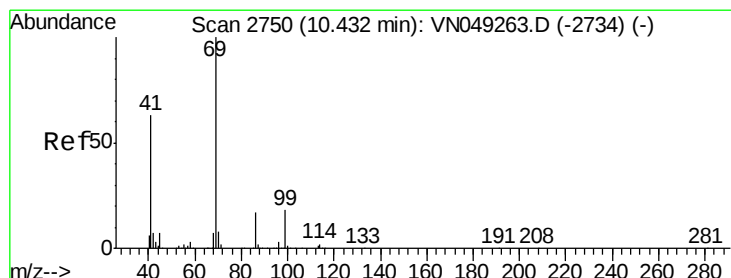
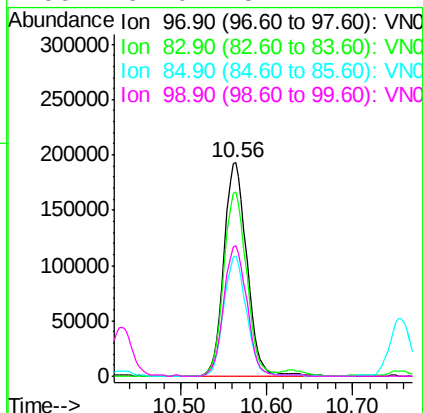
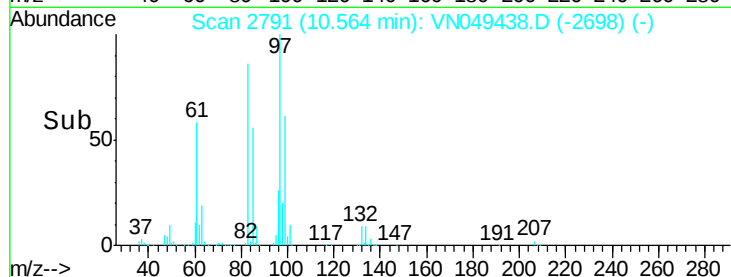
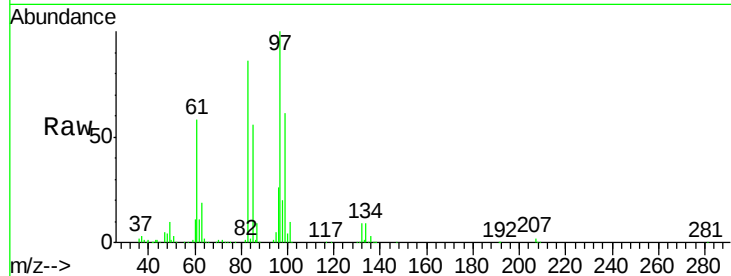
#55
 1,1,2-Trichloroethane
 Concen: 21.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.5	107.3
85	56.2	47.0	70.4
99	61.0	51.4	77.2

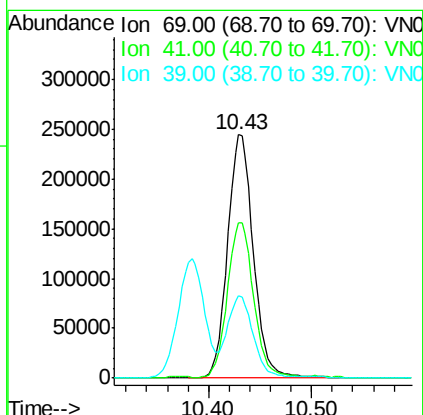
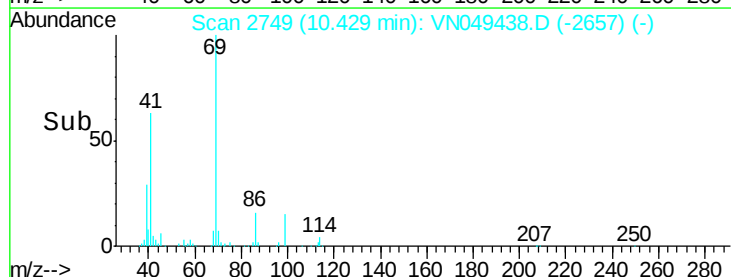
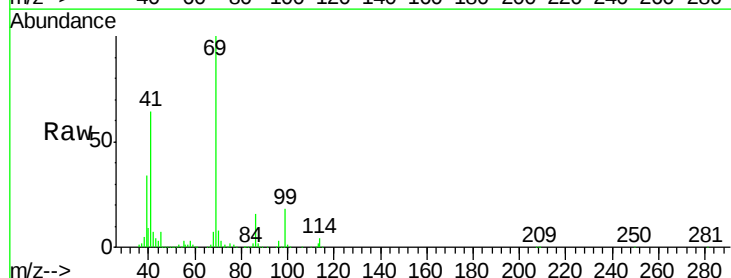
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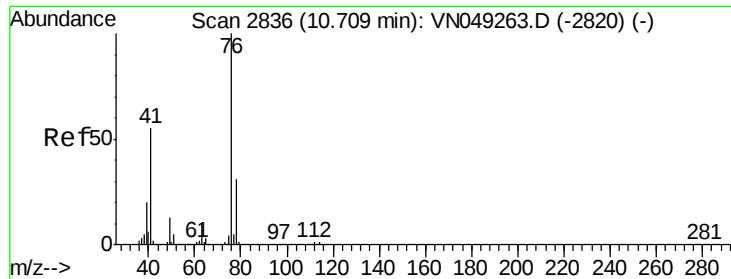
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#56
 Ethyl methacrylate
 Concen: 22.52 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	58.4	87.6
39	32.0	35.5	53.3#





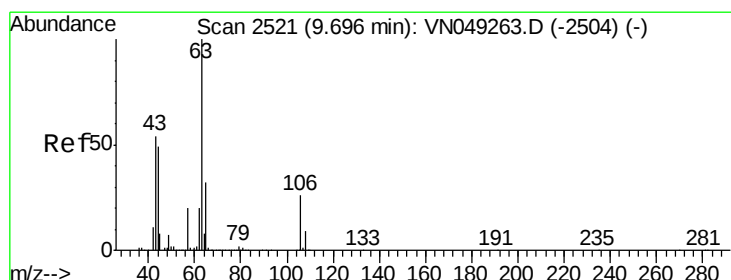
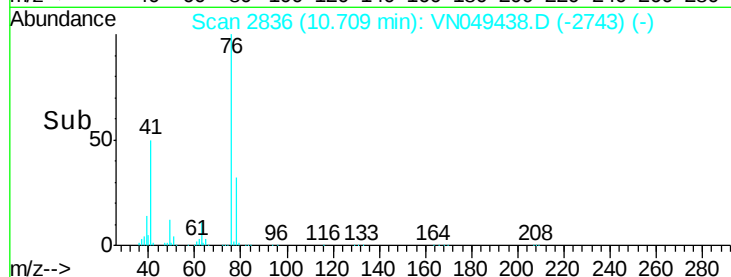
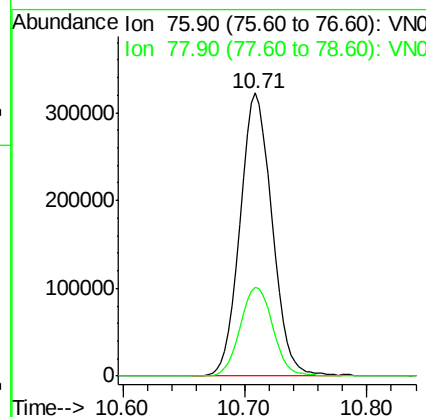
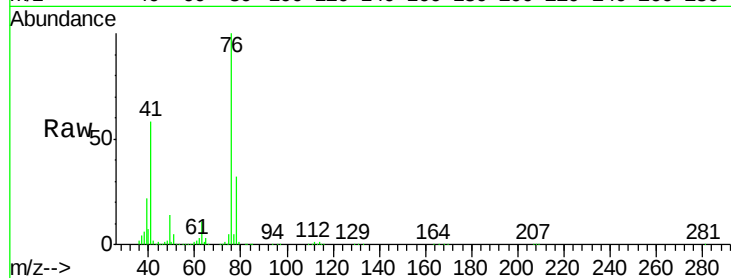
#57
 1,3-Dichloropropane
 Concen: 21.50 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0620WBSD01

Tot Ion: 76 Resp: 586635
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5

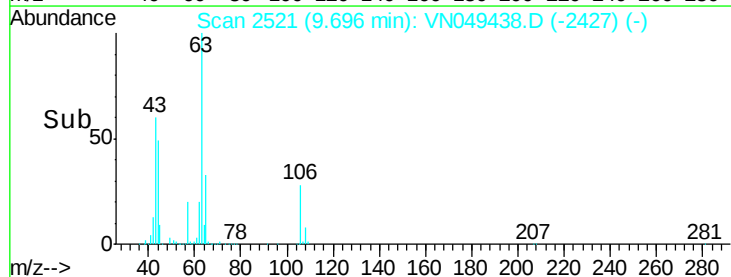
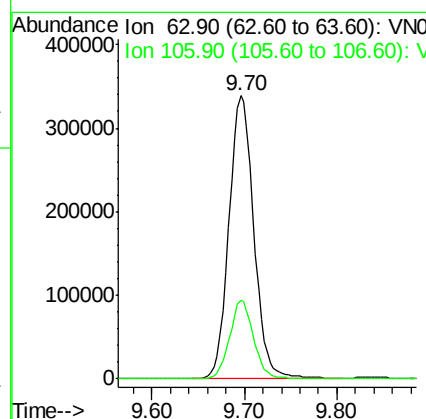
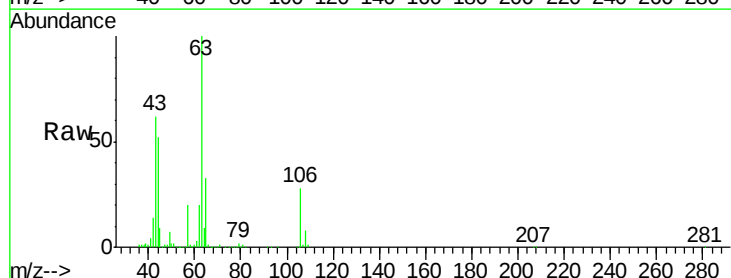
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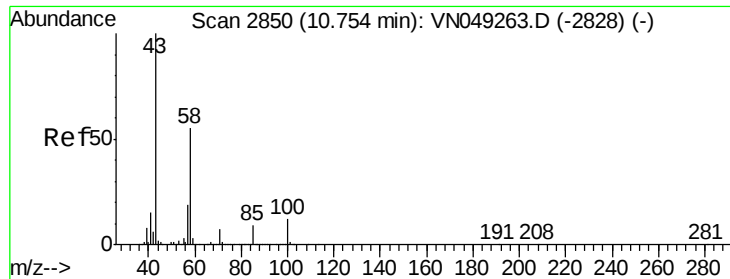
apatel
 6/21/2018 12:00:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.11 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion: 63 Resp: 632494
 Ion Ratio Lower Upper
 63 100
 106 26.6 19.4 29.2





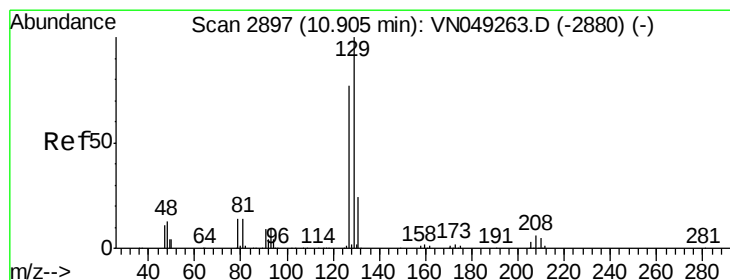
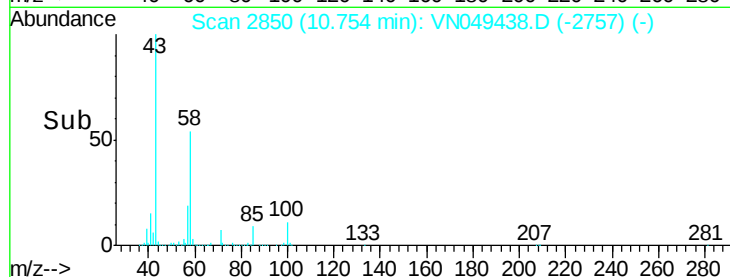
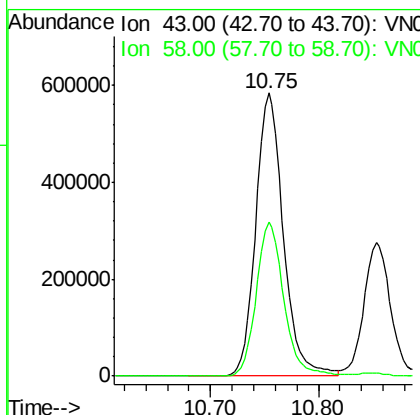
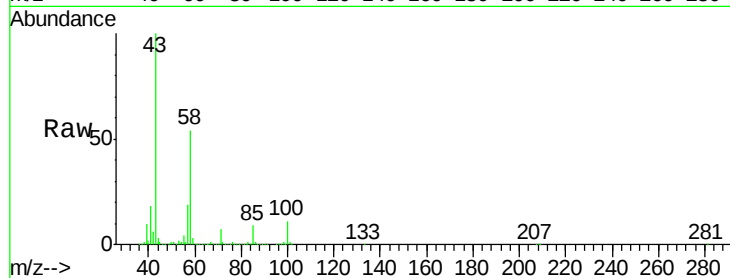
#59
2-Hexanone
Concen: 119.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion: 43 Resp: 1032031
Ion Ratio Lower Upper
43 100
58 54.6 25.2 75.6

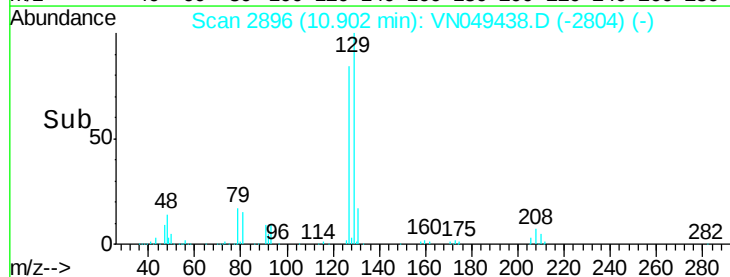
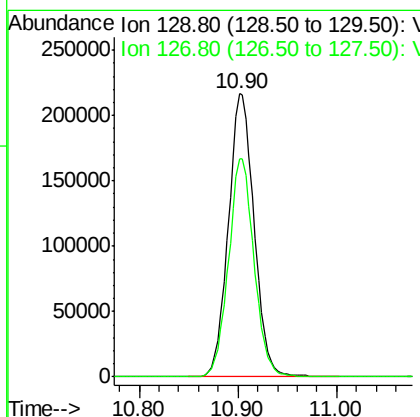
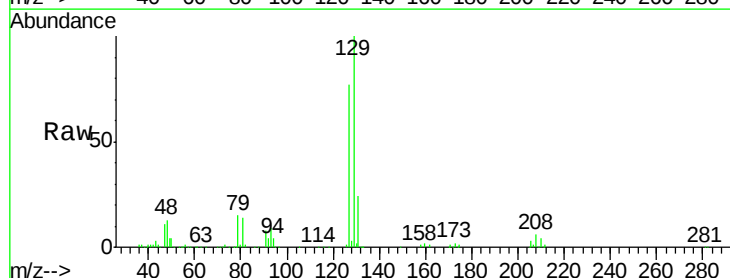
Manual Integrations
APPROVED

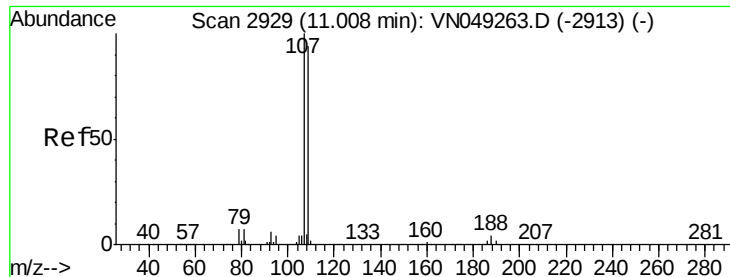
apatel
6/21/2018 12:00:32 PM



#60
Dibromochloromethane
Concen: 21.49 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 129 Resp: 394910
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.90 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 107 Resp: 335219

Ion Ratio Lower Upper

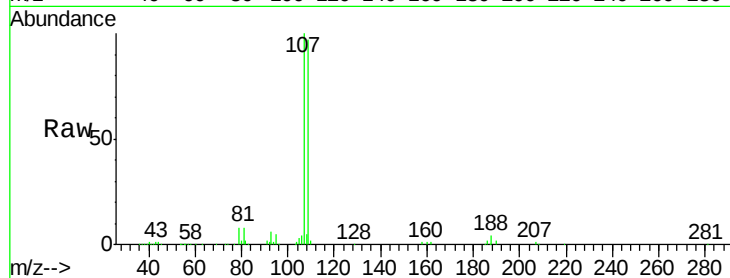
107 100

109 94.9 75.4 113.2

Manual Integrations
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apatel

6/21/2018 12:00:32 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

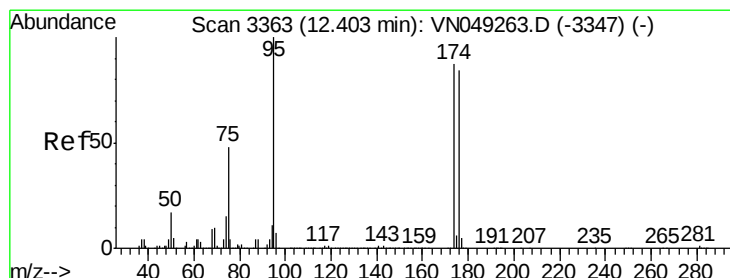
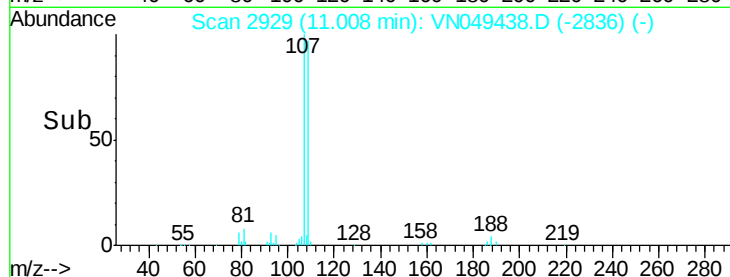
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

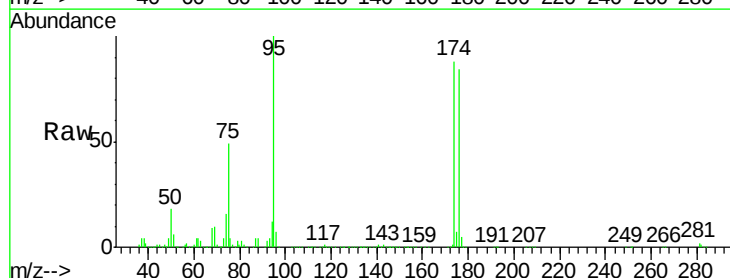
Tgt Ion: 95 Resp: 1107653

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 84.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

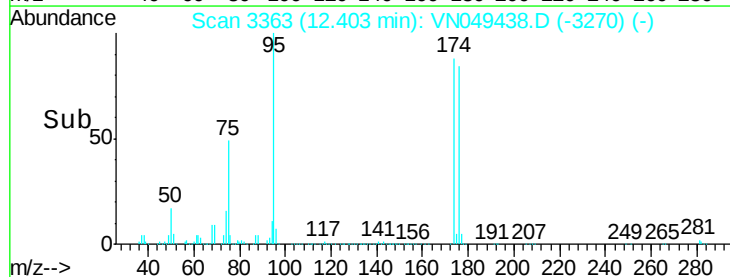
600000

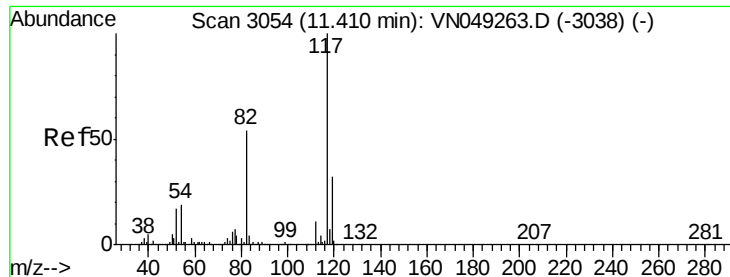
400000

200000

0

Time-->





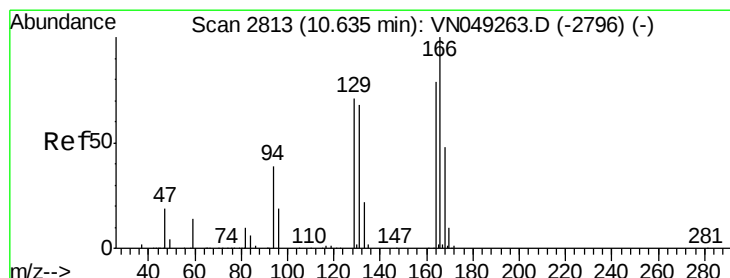
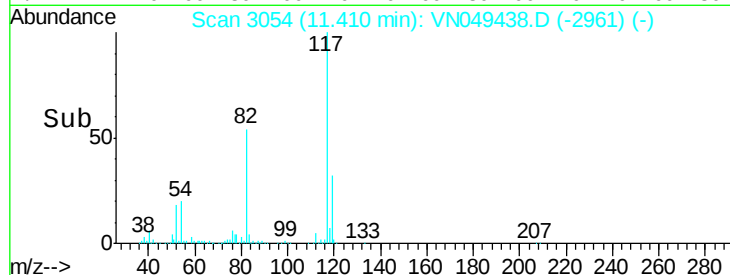
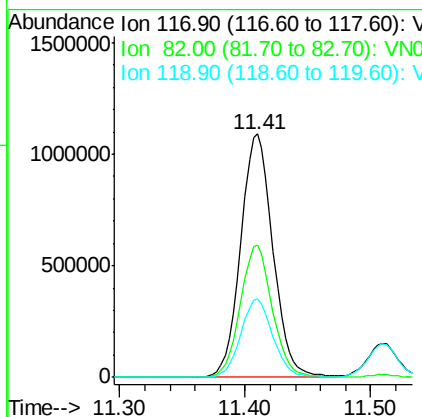
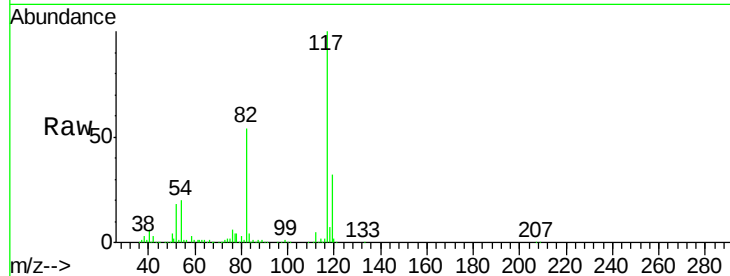
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion:117 Resp: 1950380
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.2 25.5 38.3

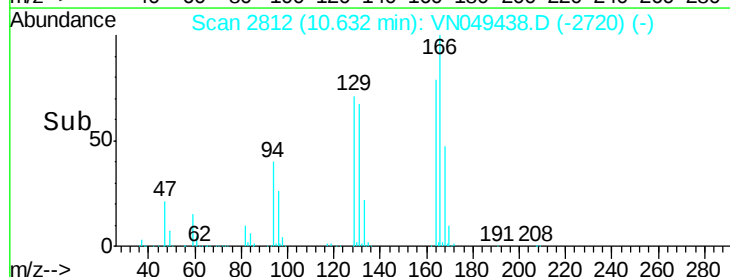
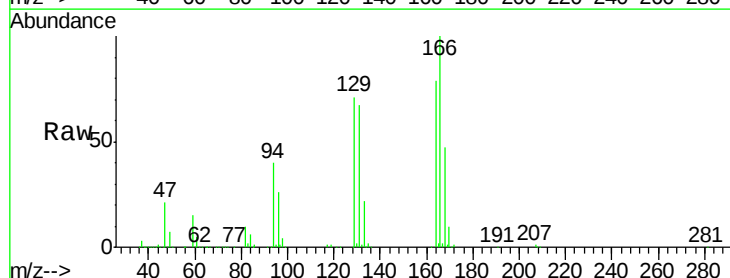
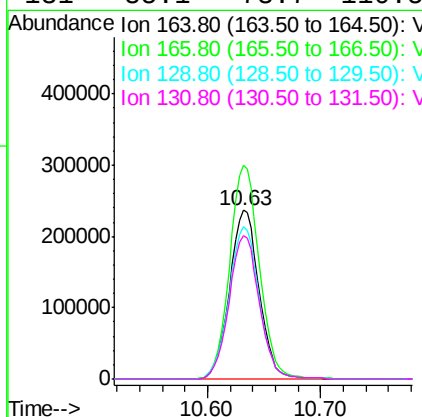
Manual Integrations
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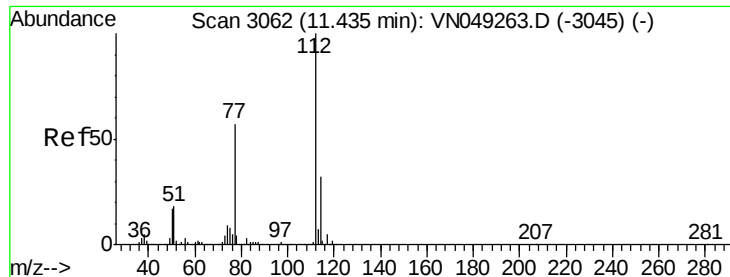
apatel
6/21/2018 12:00:32 PM



#64
Tetrachloroethene
Concen: 21.50 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:164 Resp: 429604
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 90.1 74.1 111.1
131 85.1 73.7 110.5





#65

Chlorobenzene

Concen: 20.04 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion:112 Resp: 1006698

Ion Ratio Lower Upper

112 100

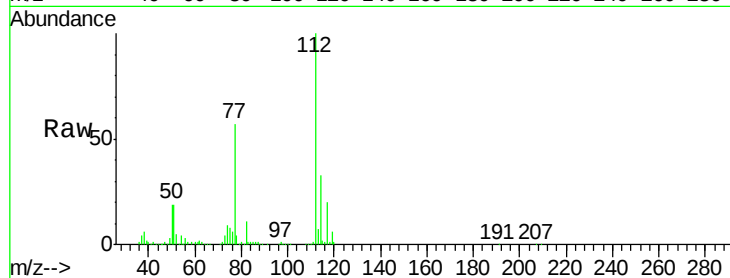
114 32.7 26.2 39.4

Manual Integrations

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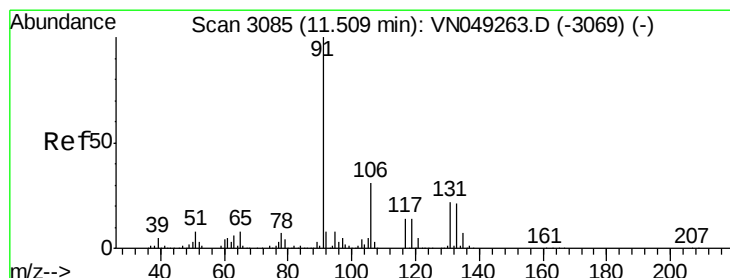
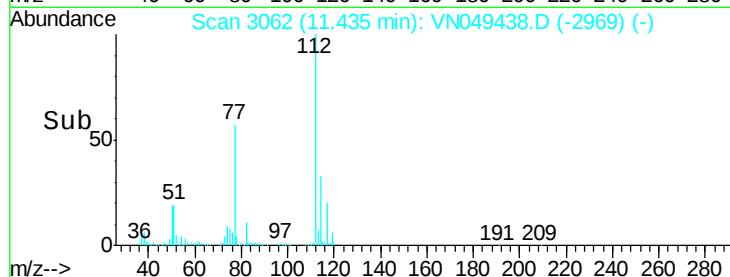
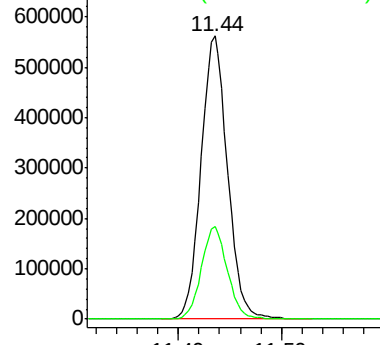
apatel

6/21/2018 12:00:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.08 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

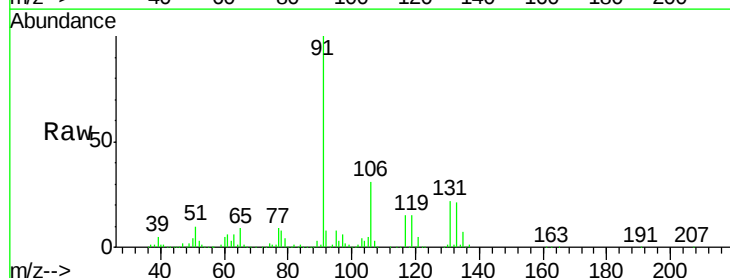
Tgt Ion:131 Resp: 379644

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

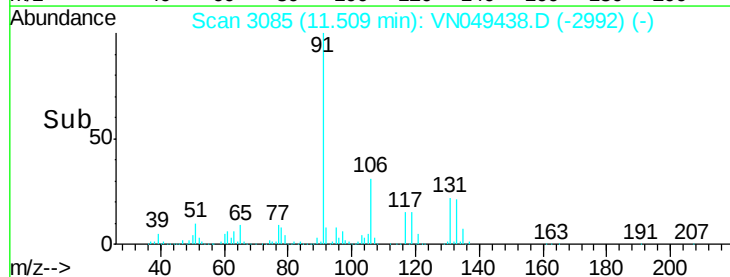
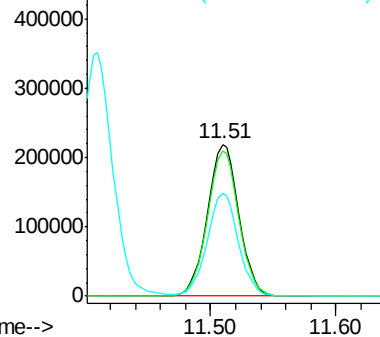
119 67.4 33.6 100.8

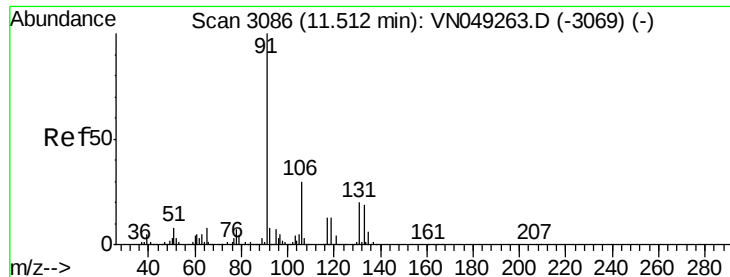


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





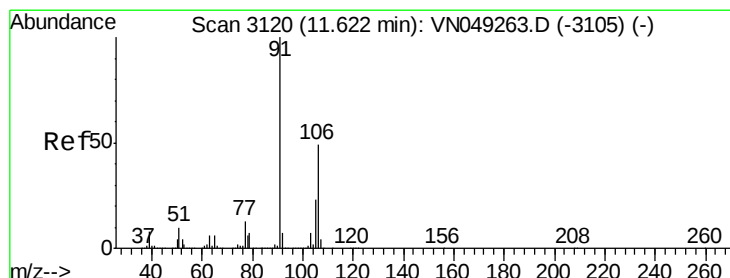
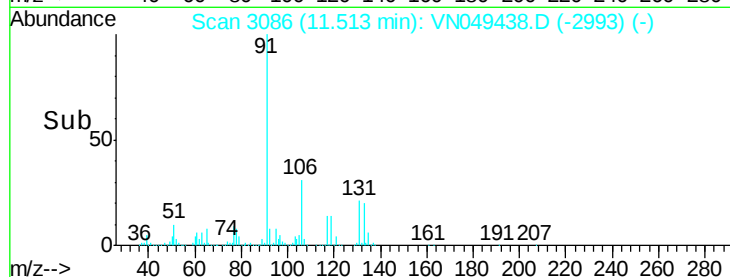
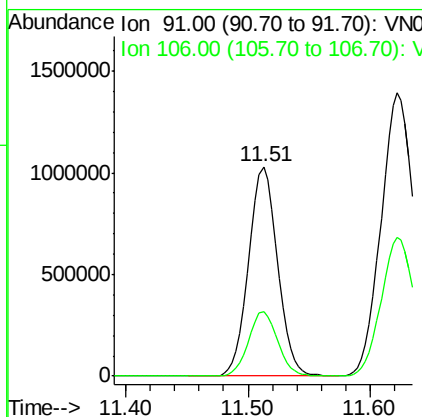
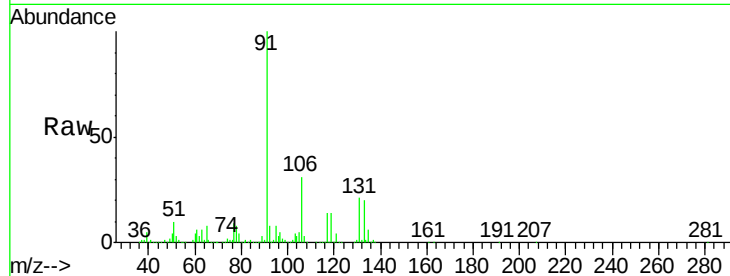
#67
Ethyl Benzene
Concen: 20.14 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion: 91 Resp: 1678299
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9

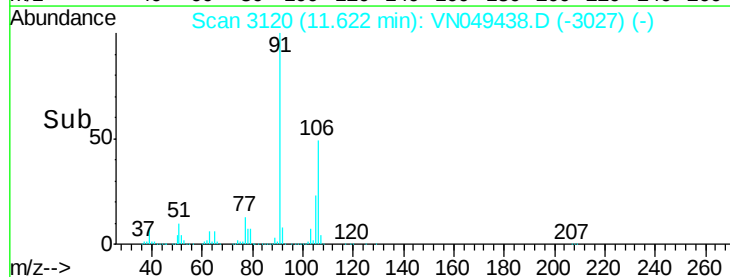
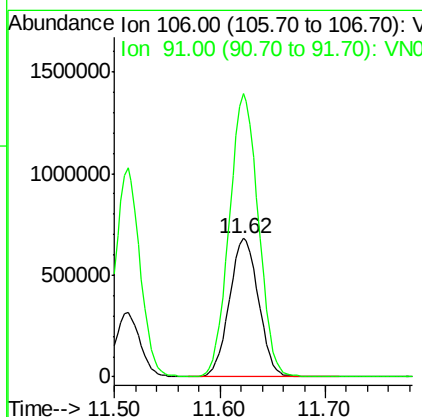
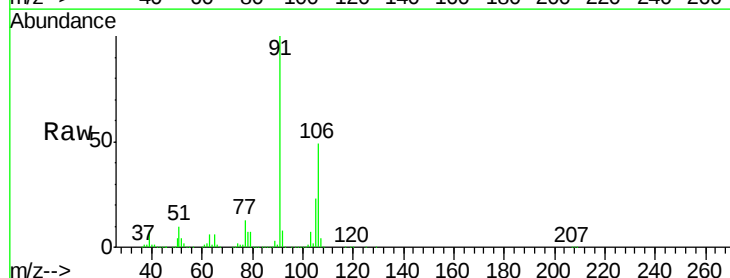
Manual Integrations
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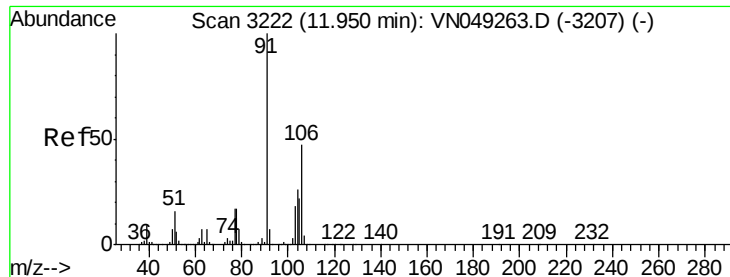
apatel
6/21/2018 12:00:32 PM



#68
m/p-Xylenes
Concen: 41.57 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 106 Resp: 1300261
Ion Ratio Lower Upper
106 100
91 204.3 167.3 250.9





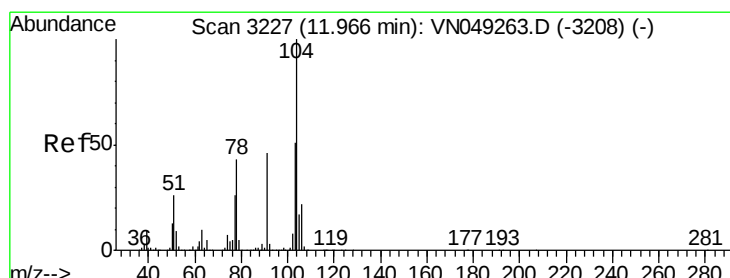
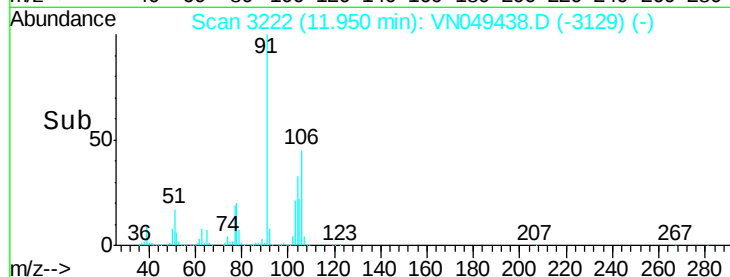
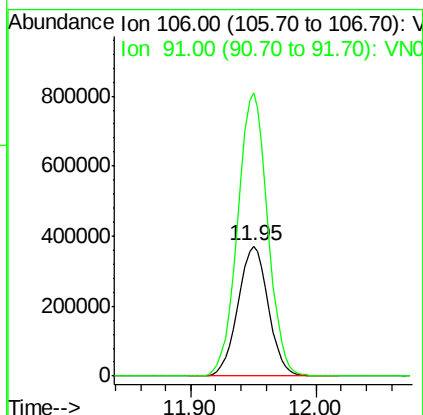
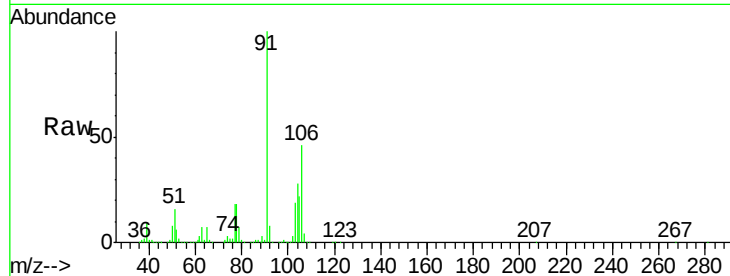
#69
o-Xylene
Concen: 20.70 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion:106 Resp: 623579
Ion Ratio Lower Upper
106 100
91 215.5 111.0 333.0

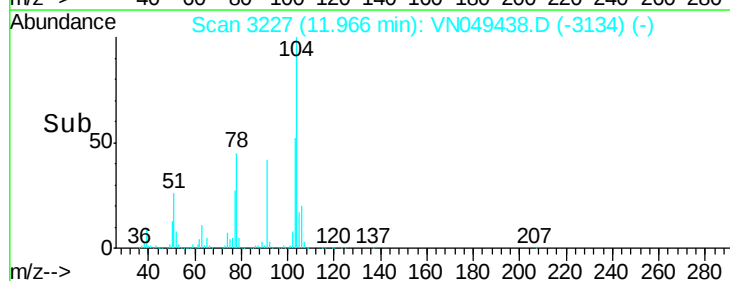
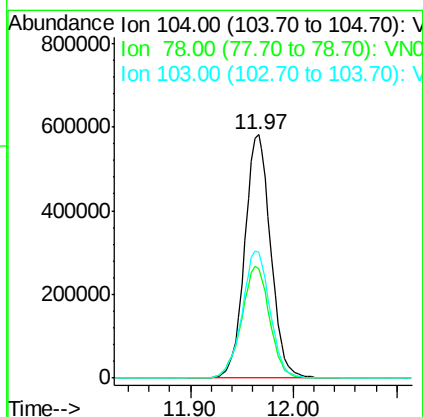
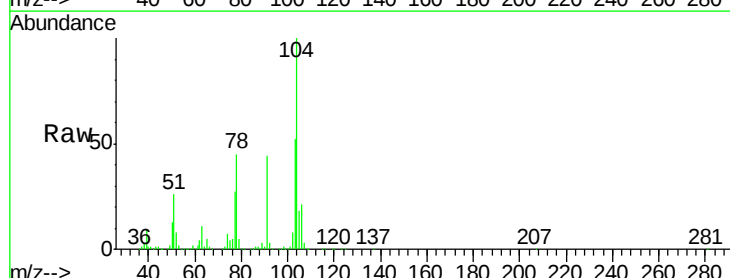
Manual Integrations
APPROVED

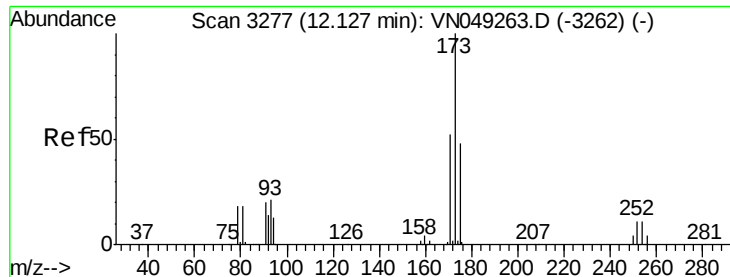
apatel
6/21/2018 12:00:32 PM



#70
Styrene
Concen: 21.32 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:104 Resp: 1012997
Ion Ratio Lower Upper
104 100
78 49.5 41.6 62.4
103 56.3 45.4 68.2





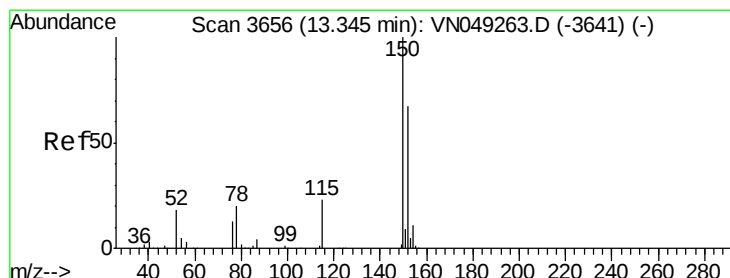
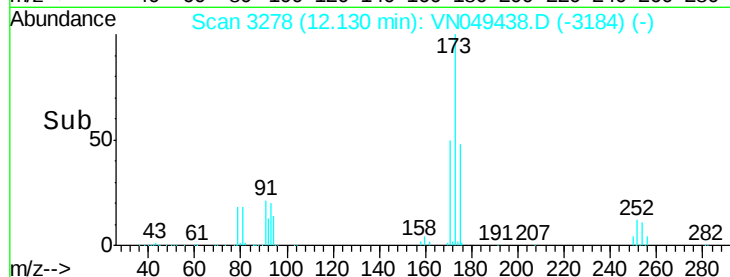
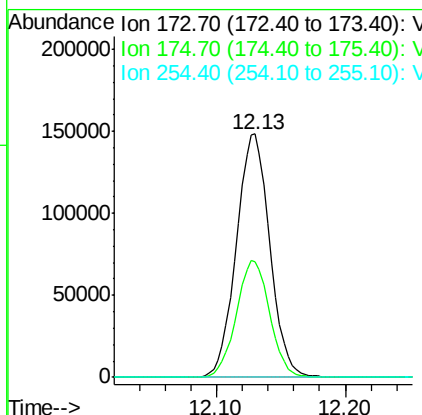
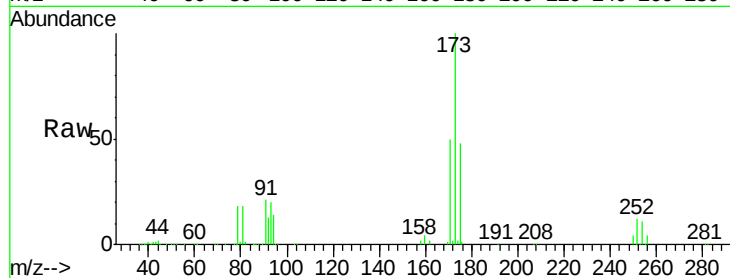
#71
Bromoform
Concen: 21.84 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.5	73.5
254	0.1	0.1	0.1

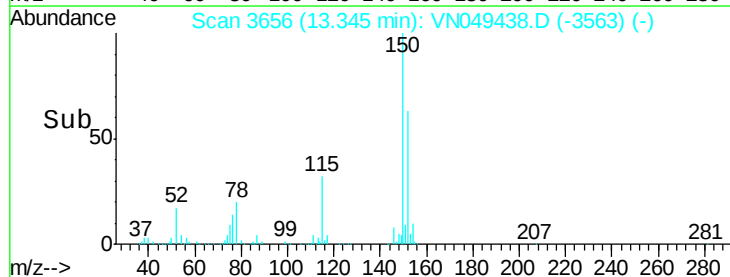
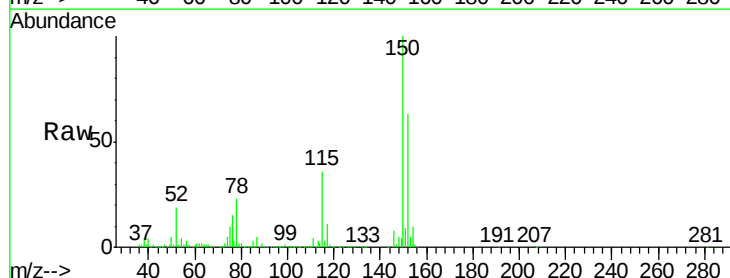
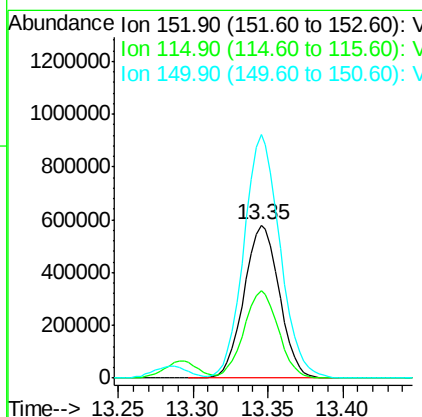
Manual Integrations
APPROVED

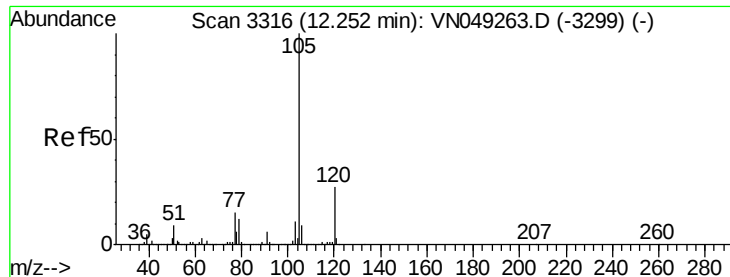
apatel
6/21/2018 12:00:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.7	86.1
150	163.4	0.0	351.0





#73

Isopropylbenzene

Concen: 19.70 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion:105 Resp: 1642801

Ion Ratio Lower Upper

105 100

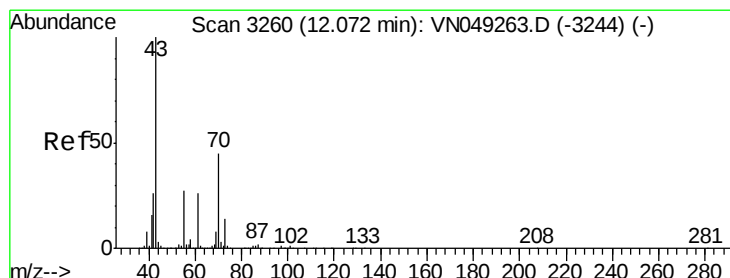
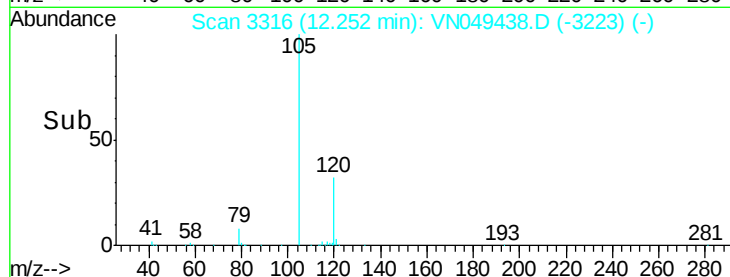
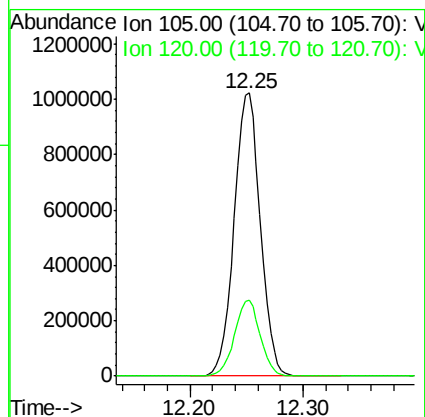
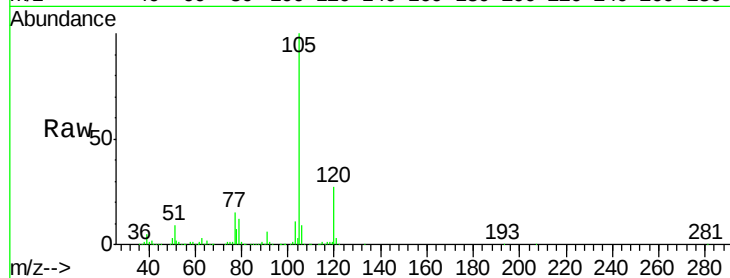
120 26.3 12.8 38.3

Manual Integrations

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6/21/2018 12:00:32 PM



#74

N-ethyl acetate

Concen: 21.70 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion: 43 Resp: 443184

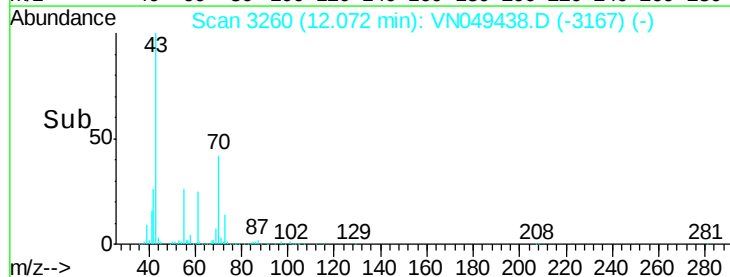
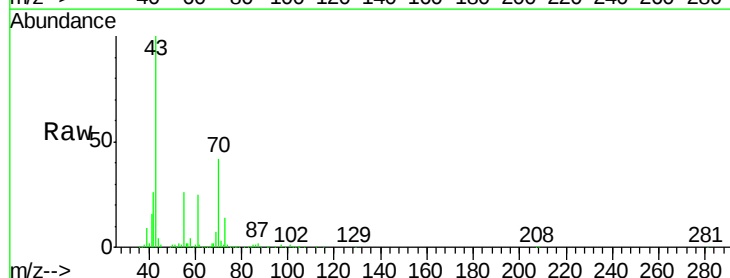
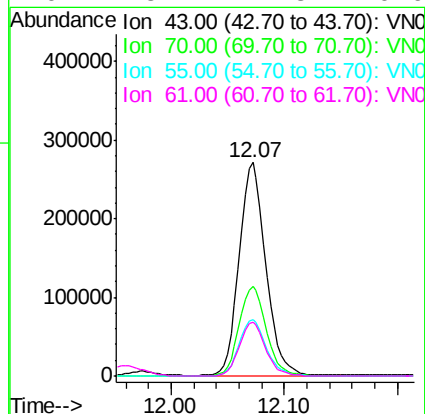
Ion Ratio Lower Upper

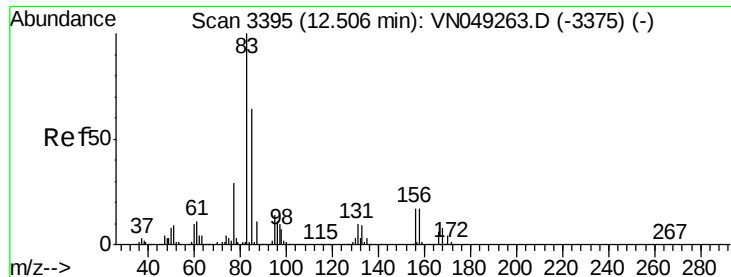
43 100

70 43.1 30.3 45.5

55 27.1 19.4 29.2

61 25.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.40 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

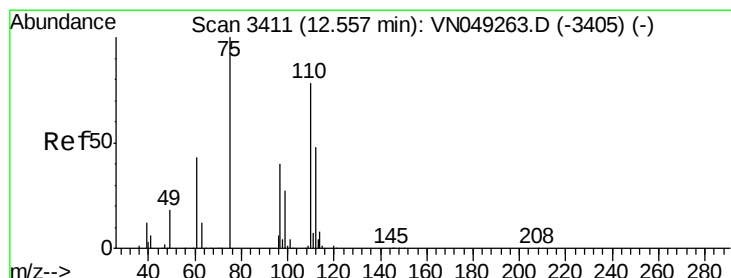
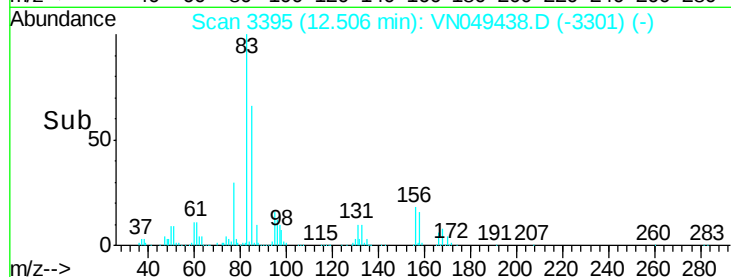
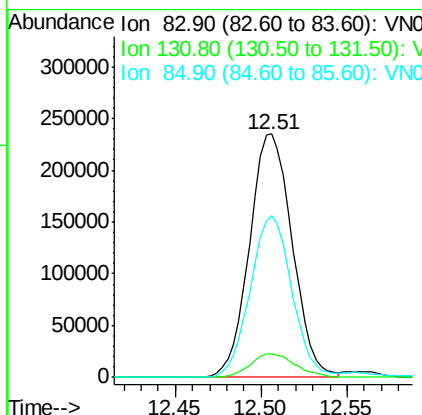
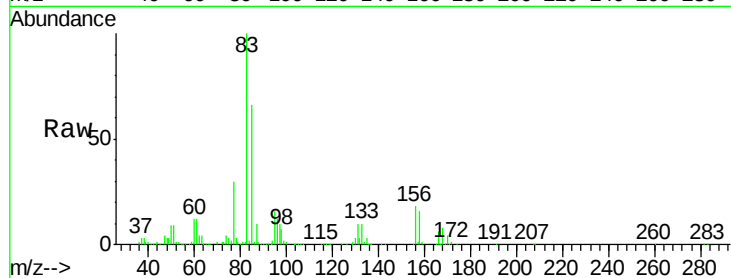
ClientSampleId :

VN0620WBSD01

Tot Ion:	83	Resp:	405421
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.7	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.87 ug/l m

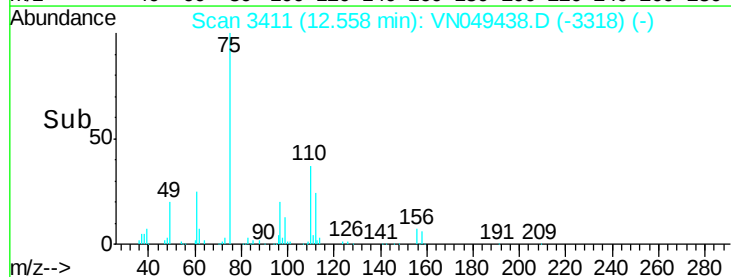
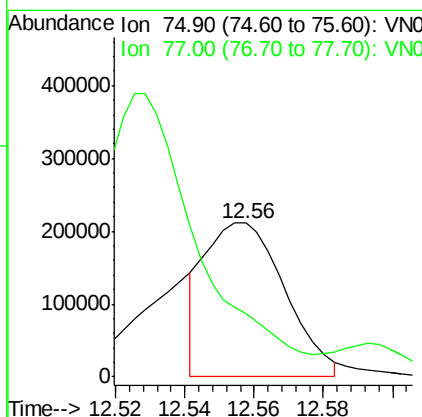
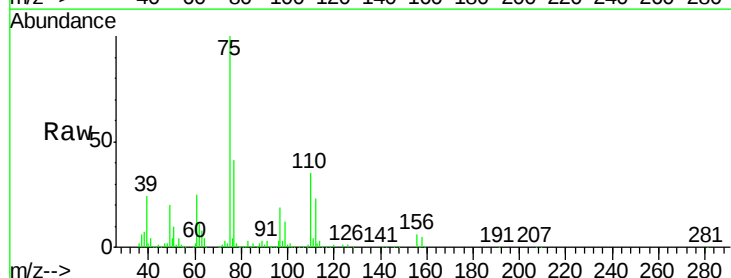
RT: 12.56 min Scan# 3411

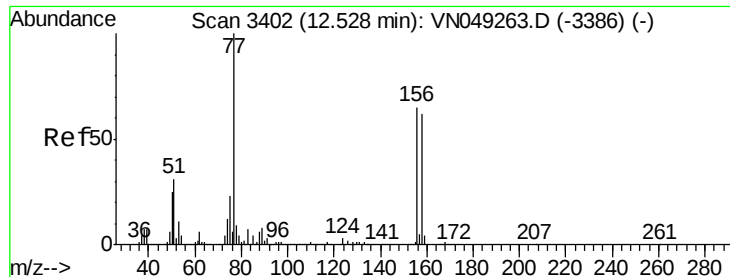
Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	75	Resp:	338210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.57 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

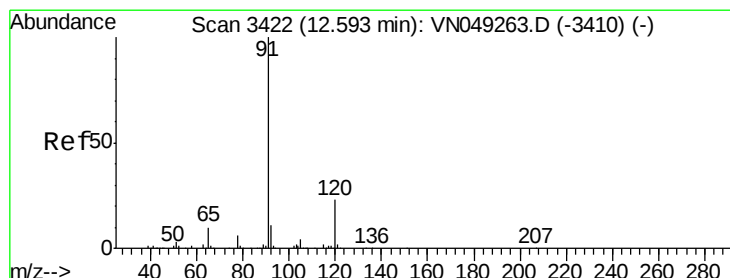
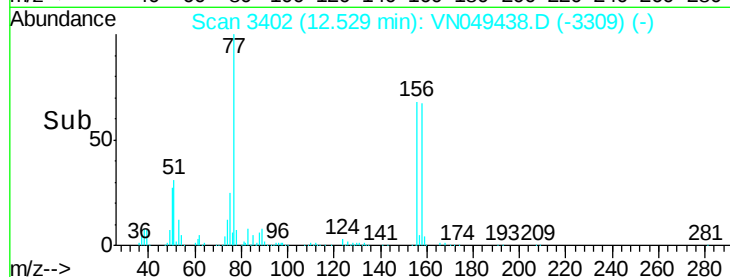
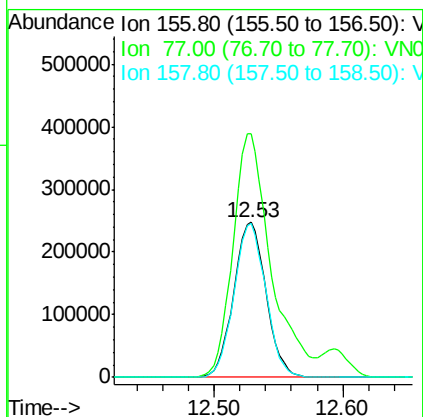
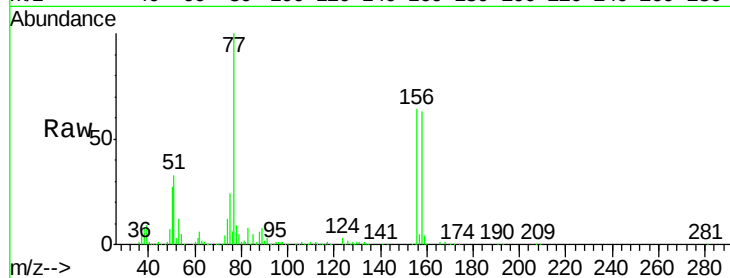
ClientSampled :

VN0620WBSD01

Tot Ion:	156	Resp:	431097
Ion Ratio	Lower	Upper	
156	100		
77	184.1	100.8	302.4
158	97.5	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.14 ug/l

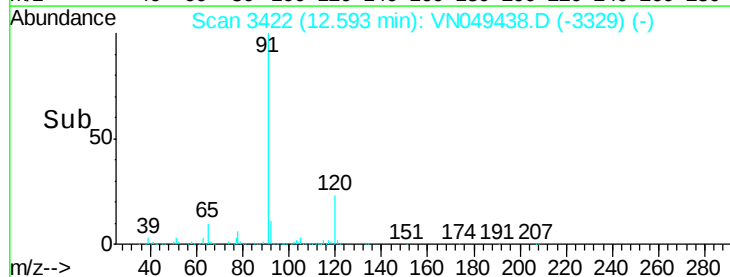
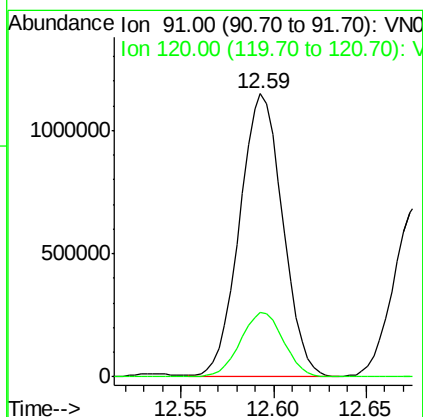
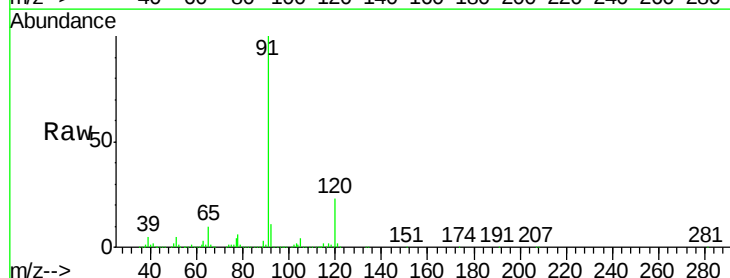
RT: 12.59 min Scan# 3422

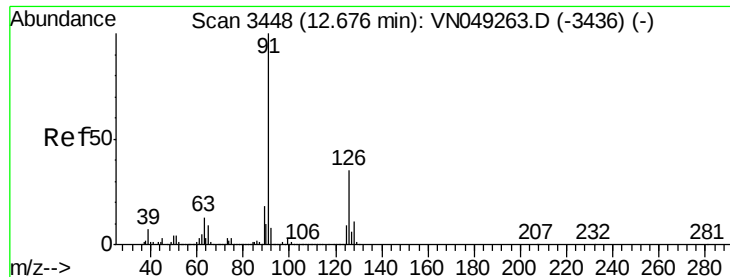
Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	91	Resp:	1844478
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 91 Resp: 1151173

Ion Ratio Lower Upper

91 100

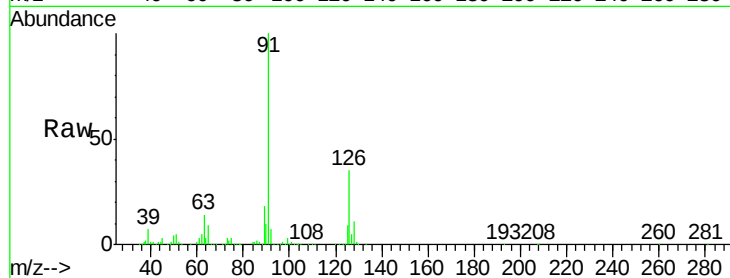
126 35.1 16.6 49.8

Manual Integrations

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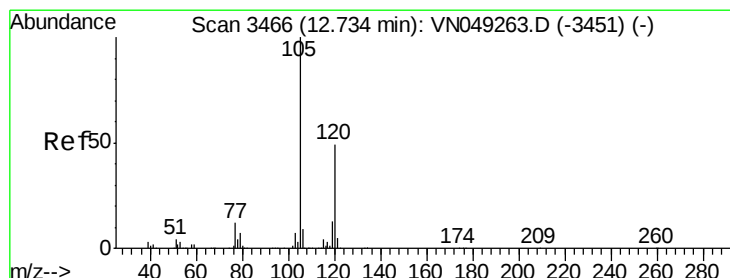
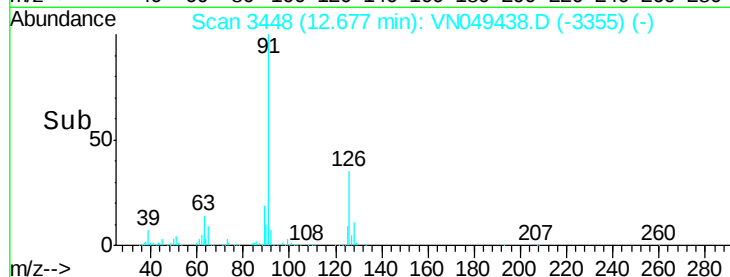
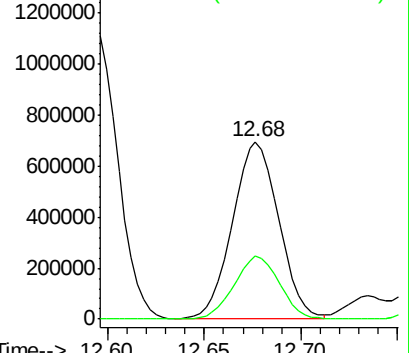
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Abundance Ion 91.00 (90.70 to 91.70): VN049438.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049438.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.49 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049438.D

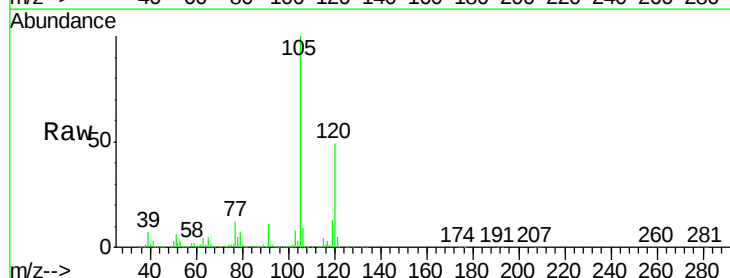
Acq: 20 Jun 2018 16:01

Tgt Ion: 105 Resp: 1342938

Ion Ratio Lower Upper

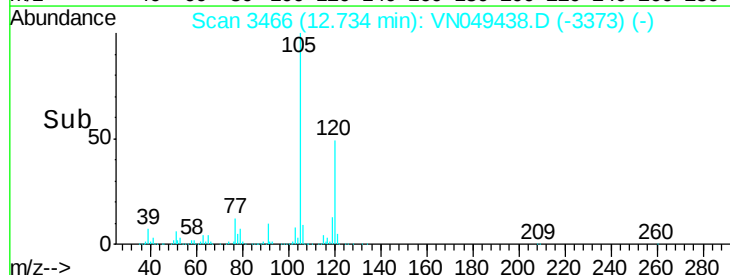
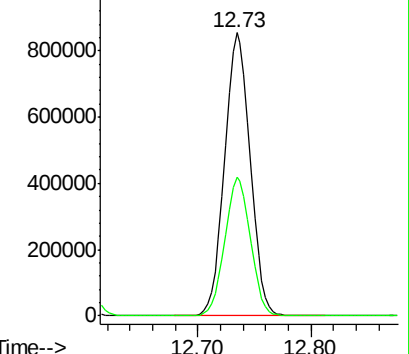
105 100

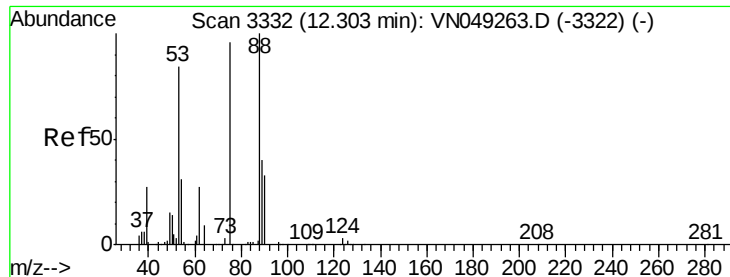
120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049438.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049438.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.48 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion: 75 Resp: 110123
Ion Ratio Lower Upper

75 100

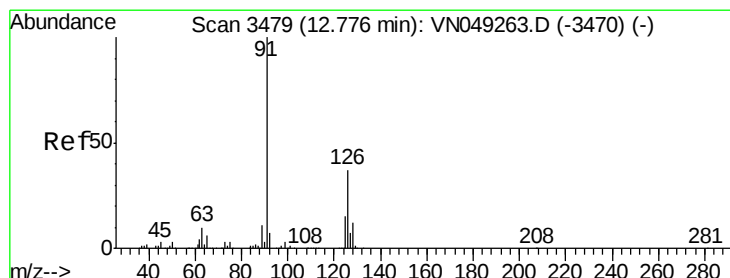
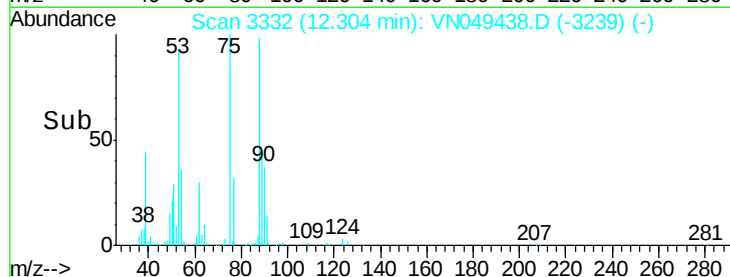
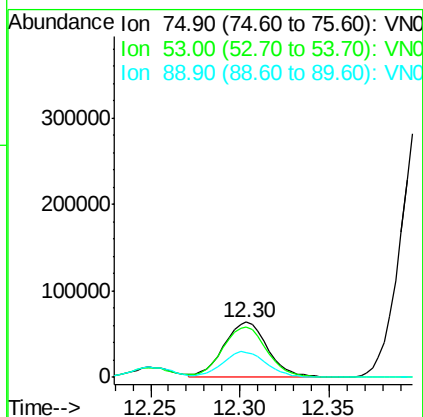
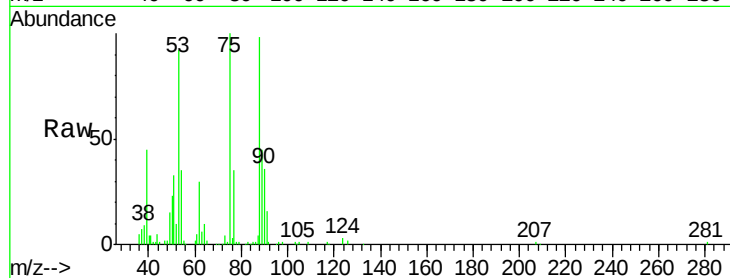
53 93.1 82.7 124.1

89 46.1 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.58 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

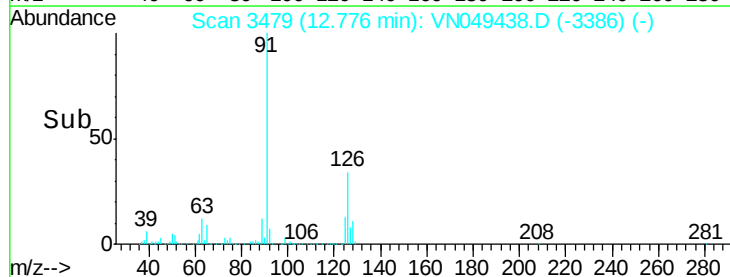
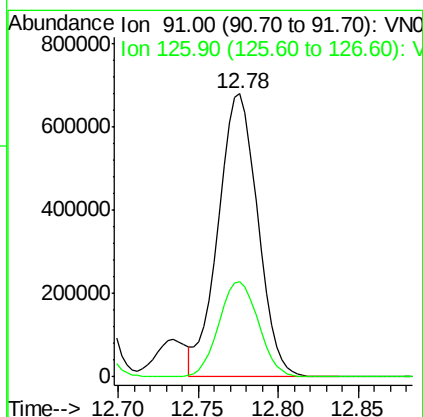
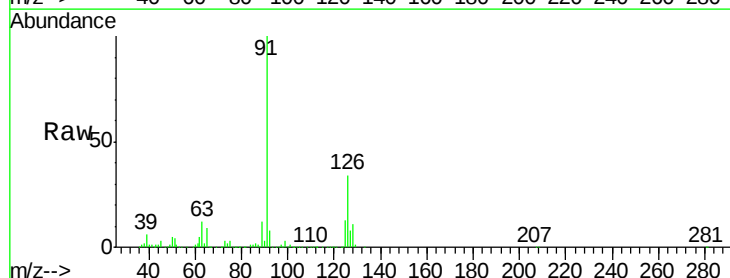
Lab File: VN049438.D

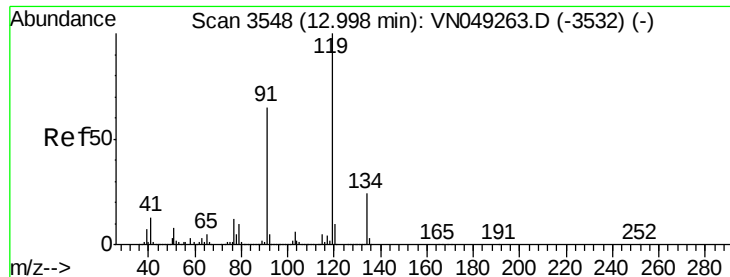
Acq: 20 Jun 2018 16:01

Tgt Ion: 91 Resp: 1151692
Ion Ratio Lower Upper

91 100

126 33.9 16.4 49.1





#83

tert-Butylbenzene

Concen: 19.19 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion:119 Resp: 1114341

Ion Ratio Lower Upper

119 100

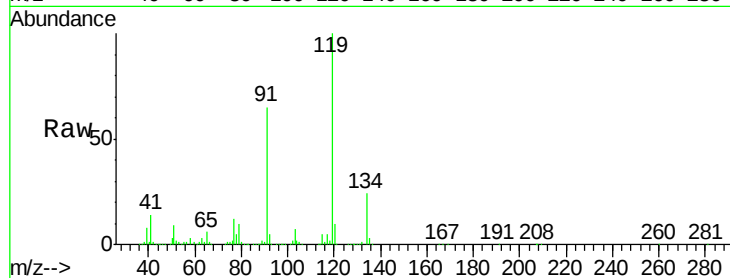
91 64.5 33.7 101.0

134 26.1 12.9 38.6

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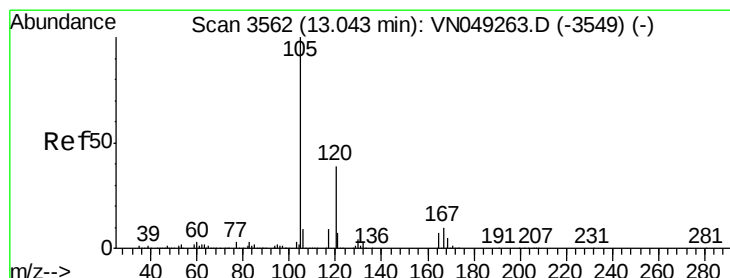
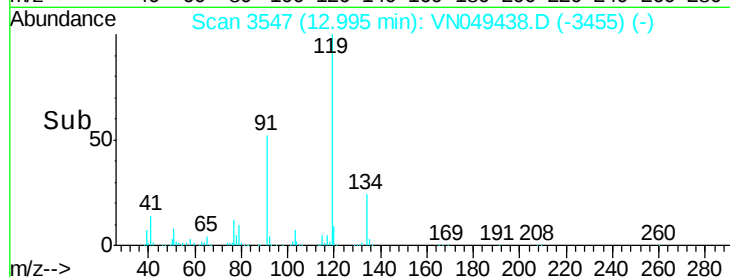
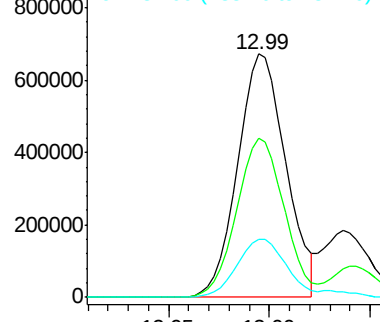
6/21/2018 12:00:32 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.95 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049438.D

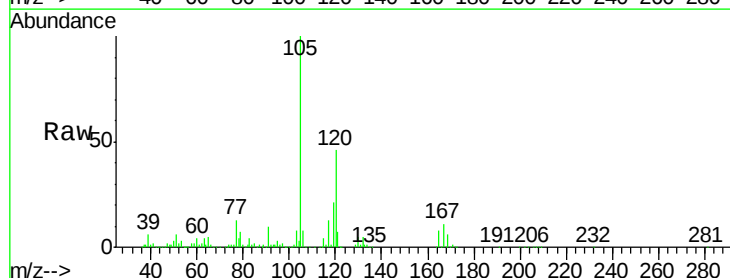
Acq: 20 Jun 2018 16:01

Tgt Ion:105 Resp: 1363844

Ion Ratio Lower Upper

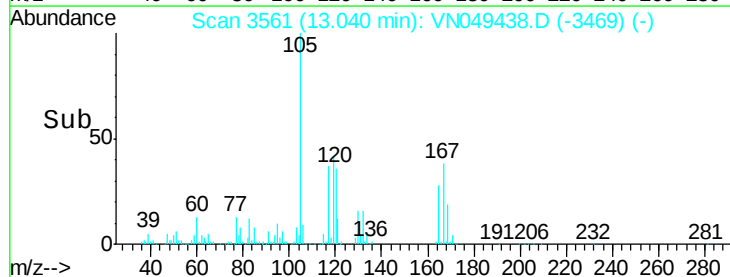
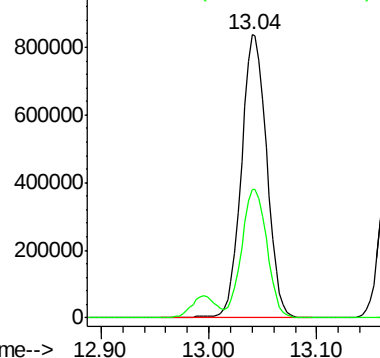
105 100

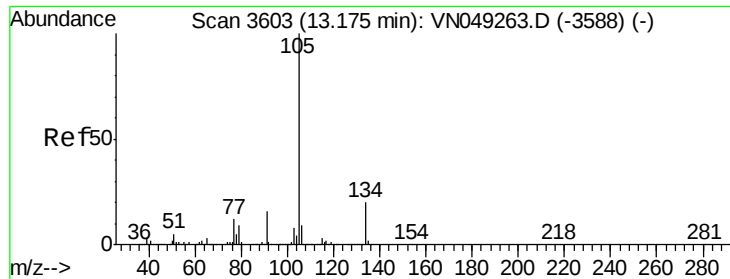
120 45.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.19 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion:105 Resp: 1483480

Ion Ratio Lower Upper

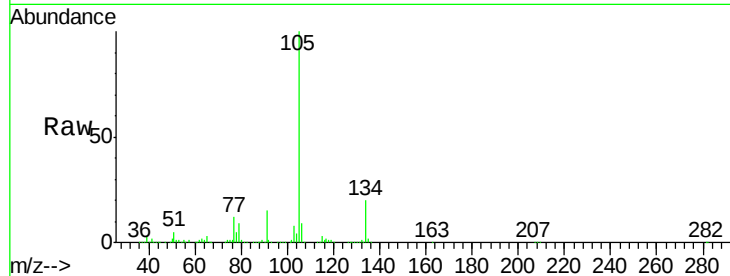
105 100

134 19.9 9.8 29.3

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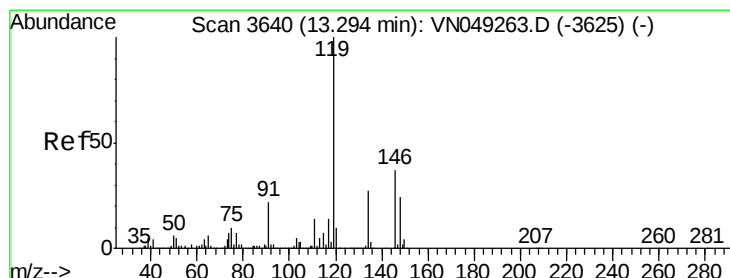
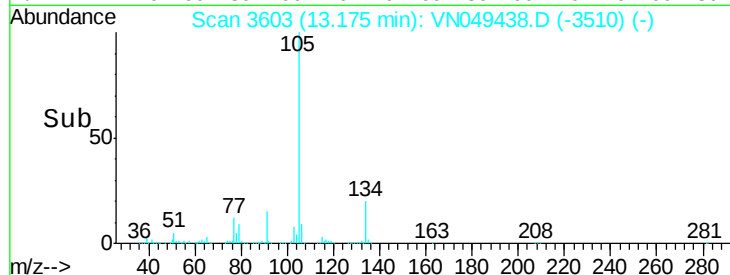
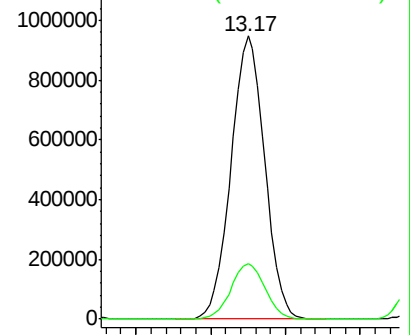
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.77 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

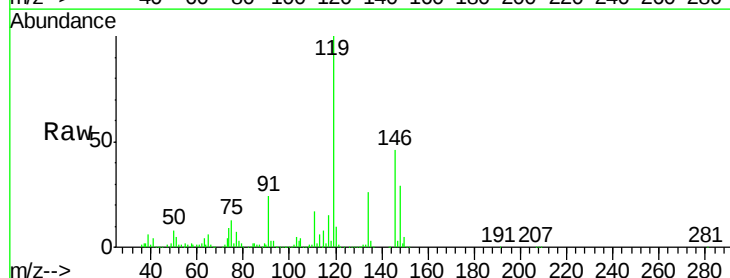
Tgt Ion:119 Resp: 1276717

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

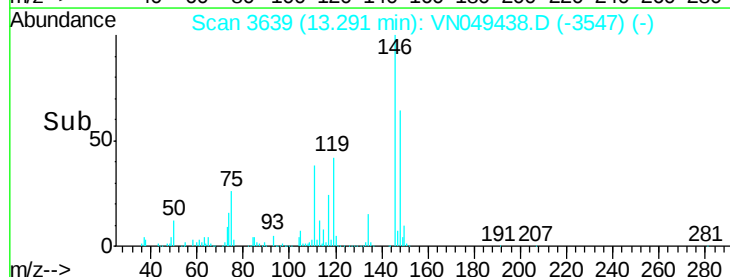
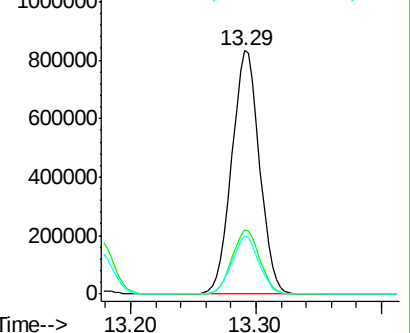
91 23.3 12.1 36.3

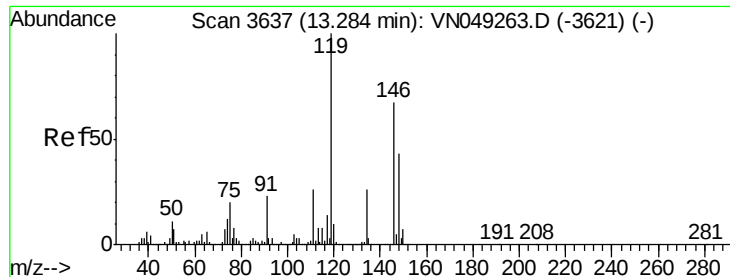


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





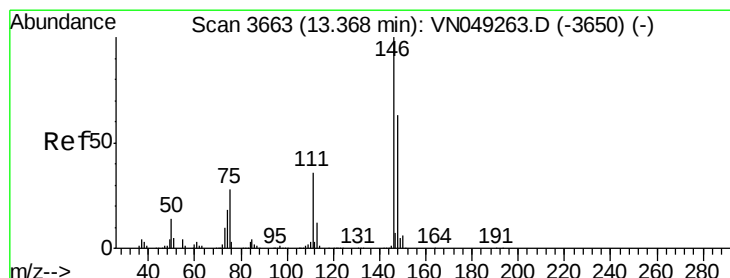
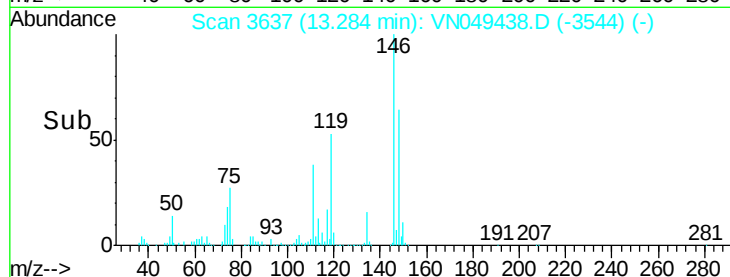
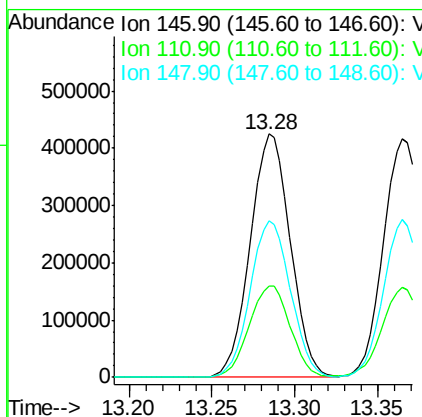
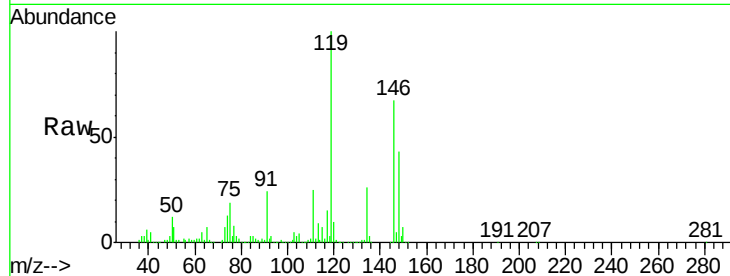
#87
 1,3-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.5	32.1	96.5

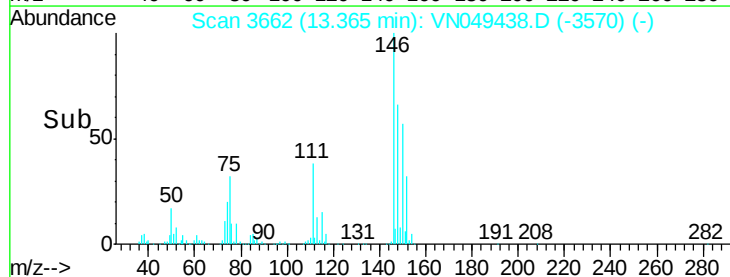
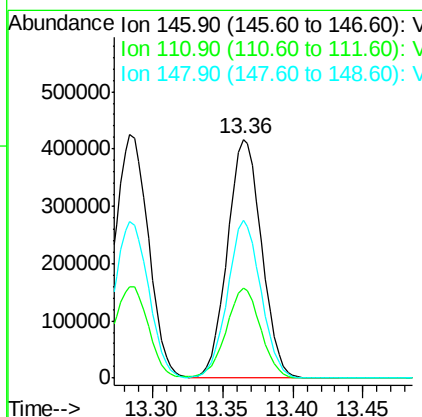
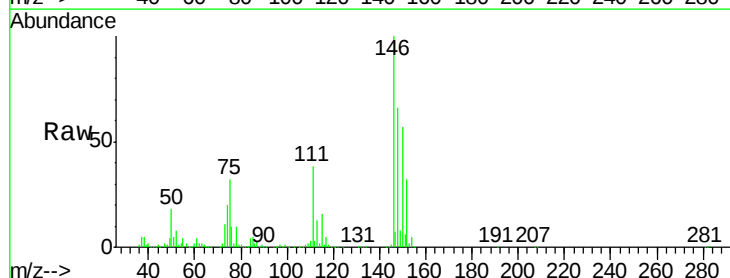
Manual Integrations
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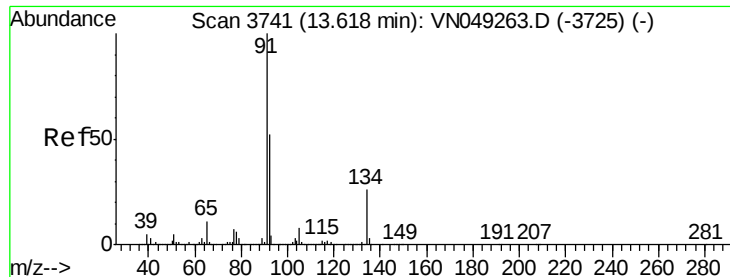
apatel
 6/21/2018 12:00:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.9	32.0	96.2





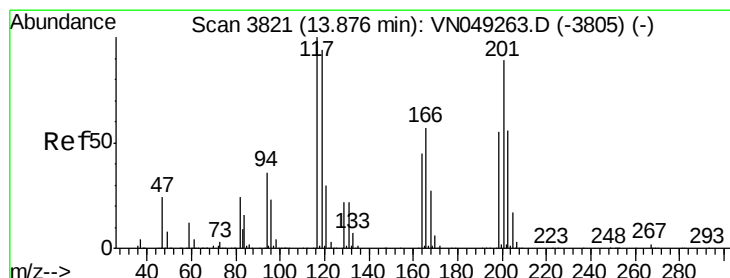
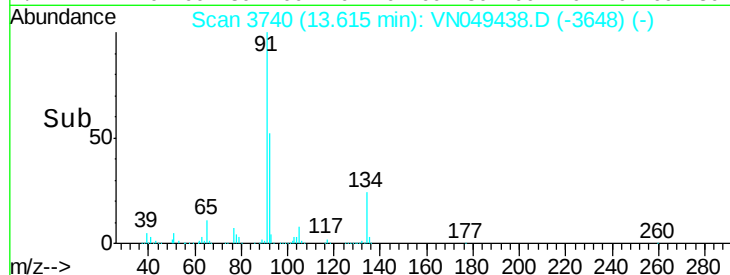
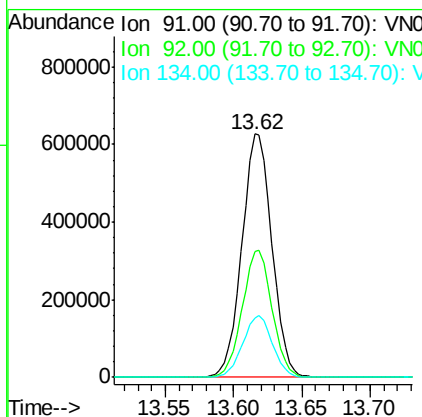
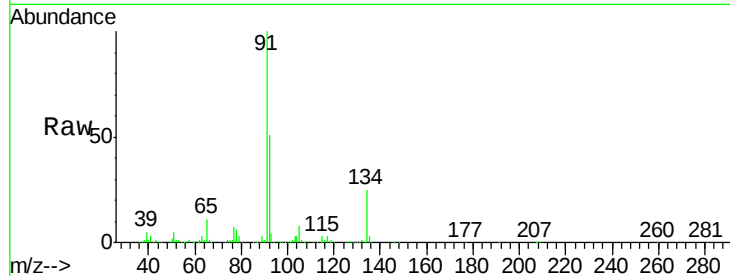
#89
n-Butylbenzene
Concen: 18.96 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.1	75.4
134	25.2	12.0	36.0

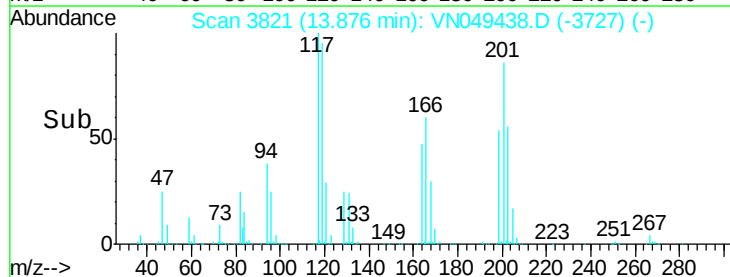
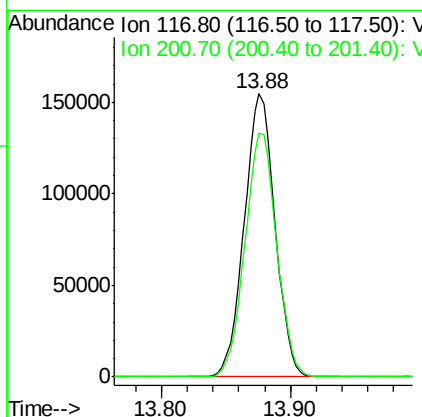
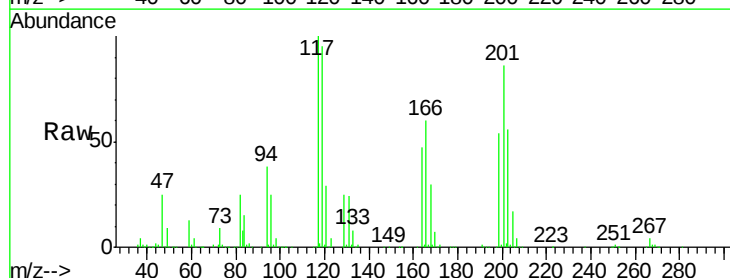
Manual Integrations
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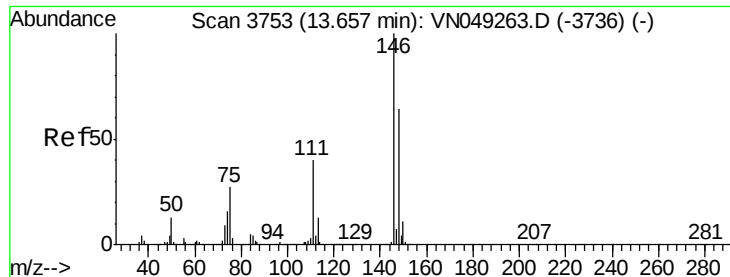
apatel
6/21/2018 12:00:32 PM



#90
Hexachloroethane
Concen: 19.97 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	40.1	120.2





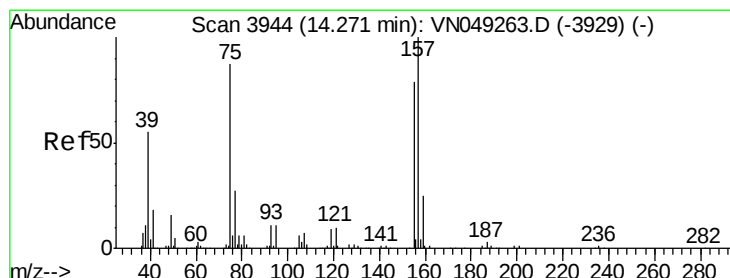
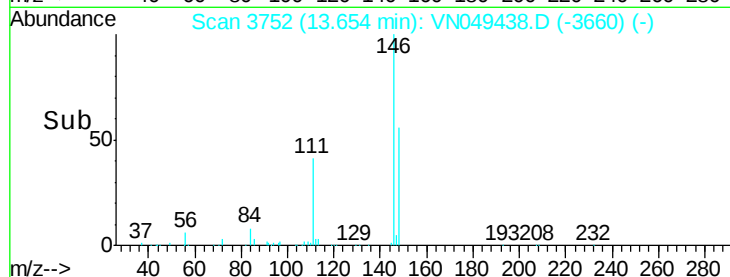
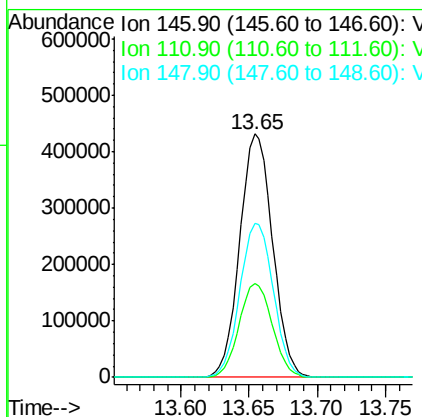
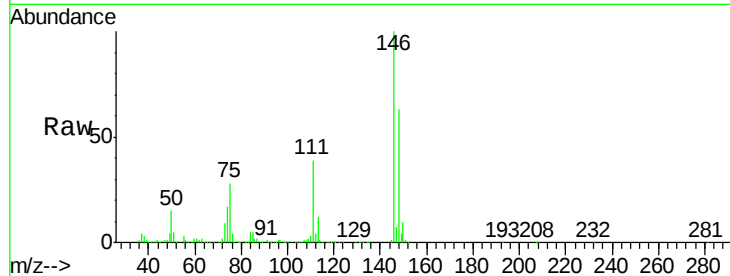
#91
 1,2-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	64.5	32.0	96.2

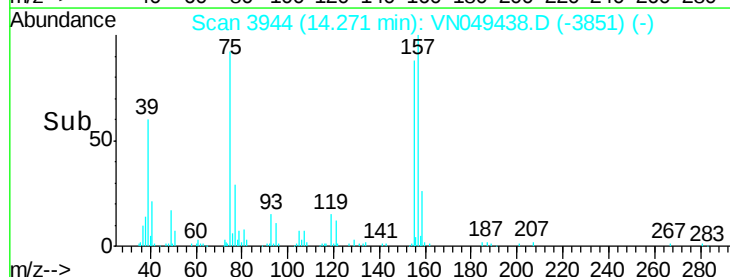
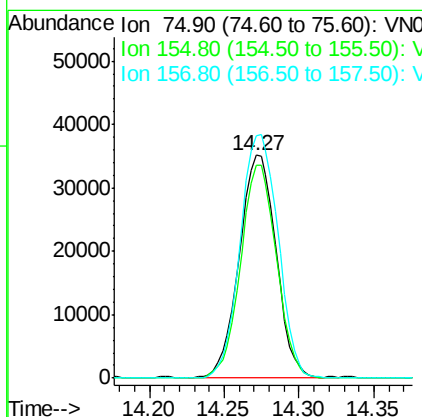
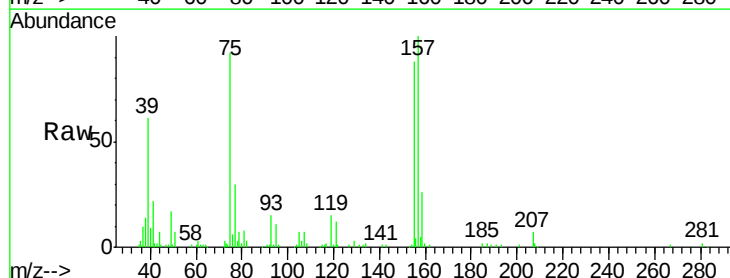
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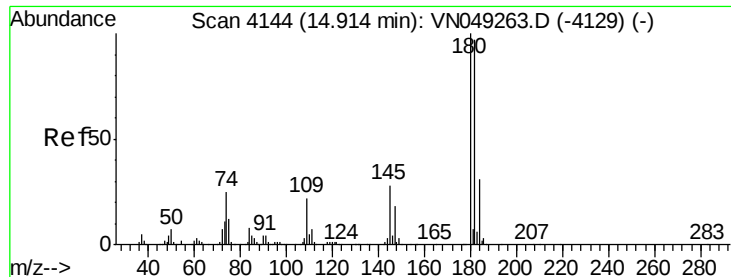
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.87 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	38.8	116.3
157	111.5	51.0	153.1





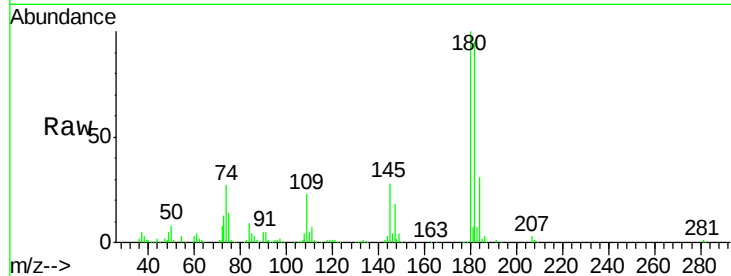
#93
 1,2,4-Trichlorobenzene
 Concen: 18.38 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

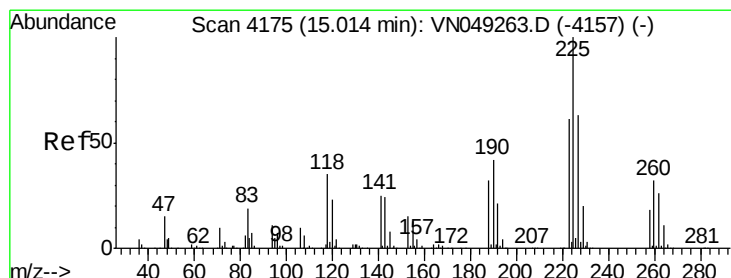
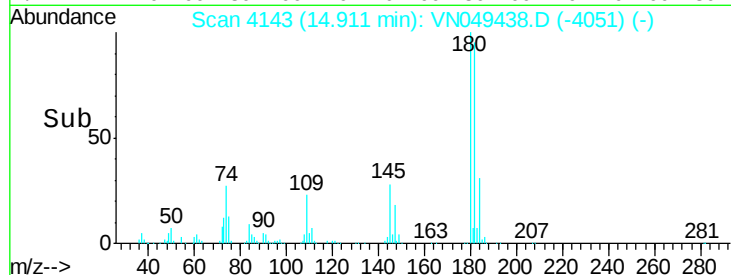
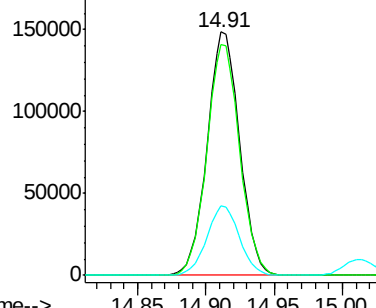
Tot Ion	Ratio	Resp	Lower	Upper
180	100	245351		
182	95.5	46.9	140.8	
145	28.9	14.7	44.1	

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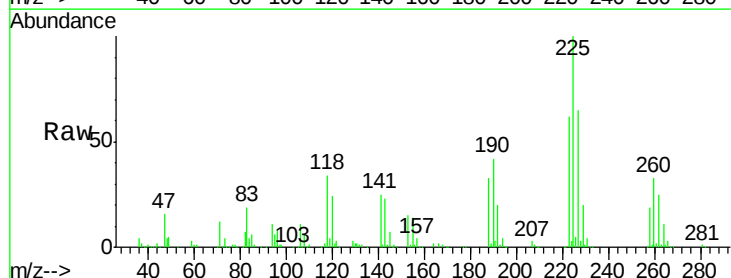


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

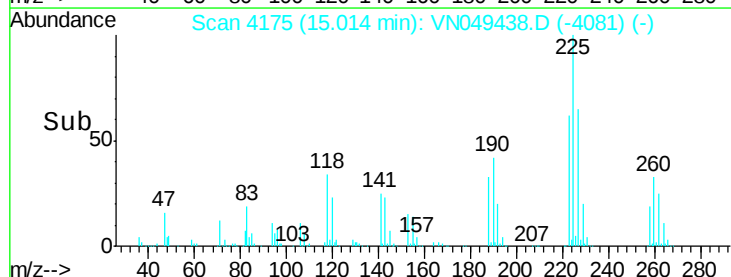
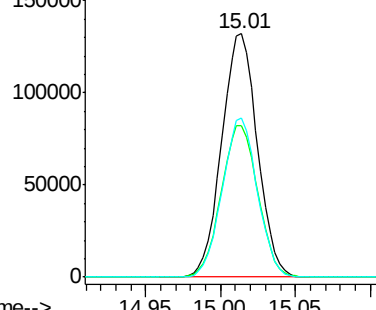


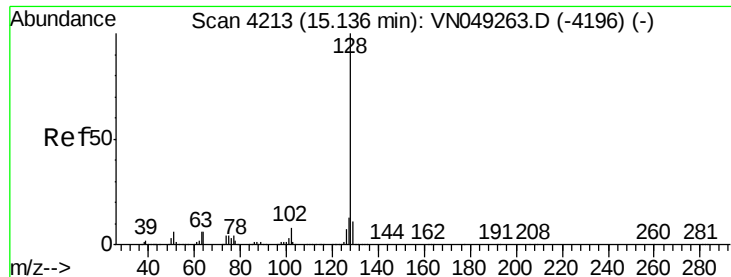
#94
 Hexachlorobutadiene
 Concen: 19.39 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	218903		
223	63.9	32.1	96.3	
227	64.4	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.44 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

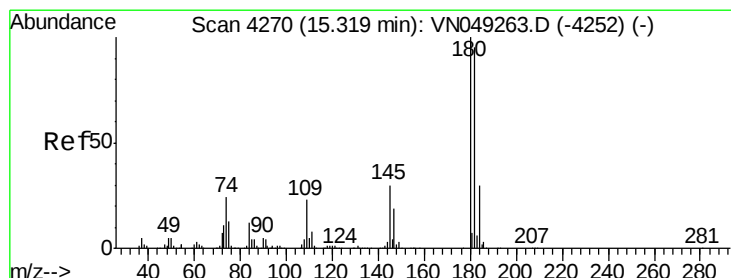
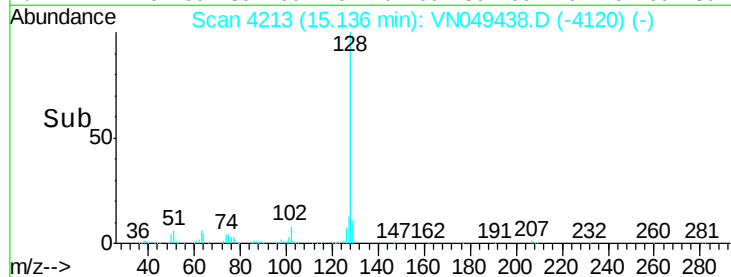
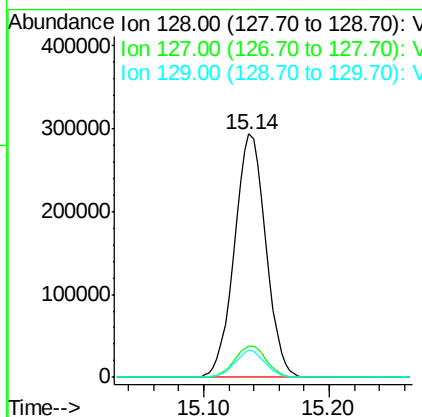
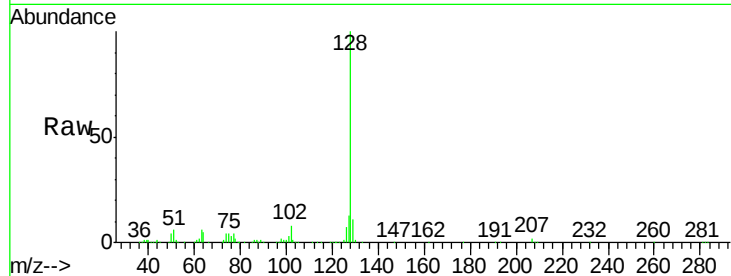
ClientSampleId :

VN0620WBSD01

Tot Ion:	128	Resp:	509647
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 19.53 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:	180	Resp:	274855
Ion Ratio		Lower	Upper
180	100		
182	94.2	47.3	141.8
145	30.4	15.6	46.7

