

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049437.D
 Acq On : 20 Jun 2018 15:22
 Operator : MD\SY
 Sample : VN0620WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Manual Integrations
 APPROVED

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 6/21/2018 12:00:28 PM

Quant Time: Jun 21 01:48:11 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	1526547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2254577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2028497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	988382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	879596	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	7.59	113	794641	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	
50) Toluene-d8	10.09	98	2940240	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
62) 4-Bromofluorobenzene	12.40	95	982690	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364442	20.74	ug/l	98
3) Chloromethane	2.06	50	444796	19.60	ug/l	98
4) Vinyl Chloride	2.18	62	482346	20.00	ug/l	99
5) Bromomethane	2.57	94	229807	18.13	ug/l	96
6) Chloroethane	2.70	64	295781	20.57	ug/l	98
7) Trichlorofluoromethane	3.01	101	638361	21.22	ug/l	98
8) Diethyl Ether	3.41	74	216006	20.57	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398127	20.87	ug/l	93
10) Methyl Iodide	3.95	142	385359	19.40	ug/l	92
11) Tert butyl alcohol	4.79	59	130976	110.22	ug/l	96
12) 1,1-Dichloroethene	3.73	96	354537	20.26	ug/l	89
13) Acrolein	3.61	56	174889	140.34	ug/l	100
14) Allyl chloride	4.32	41	560726	20.29	ug/l	90
15) Acrylonitrile	4.99	53	636327	107.09	ug/l	98
16) Acetone	3.82	43	559286	113.77	ug/l	93
17) Carbon Disulfide	4.05	76	1049859	19.14	ug/l	99
18) Methyl Acetate	4.33	43	347994	23.22	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	956592	21.44	ug/l	100
20) Methylene Chloride	4.55	84	410441	19.99	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	370140	19.97	ug/l	92
22) Diisopropyl ether	5.95	45	1173902	21.27	ug/l	97
23) Vinyl Acetate	5.90	43	3844195	106.85	ug/l	97
24) 1,1-Dichloroethane	5.85	63	715398	20.25	ug/l	99
25) 2-Butanone	6.84	43	739685	112.05	ug/l	96
26) 2,2-Dichloropropane	6.82	77	601044	21.07	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	420691	20.42	ug/l	93
28) Bromochloromethane	7.19	49	286267	18.28	ug/l #	82
29) Tetrahydrofuran	7.21	42	460292	108.32	ug/l	94
30) Chloroform	7.37	83	720993	20.51	ug/l	99
31) Cyclohexane	7.65	56	629974	20.93	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	616598	20.56	ug/l	97
36) 1,1-Dichloropropene	7.79	75	542370	20.99	ug/l	98
37) Ethyl Acetate	6.93	43	321117	22.86	ug/l	98
38) Carbon Tetrachloride	7.77	117	545914	20.41	ug/l	99

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Manual Integrations
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 6/21/2018 12:00:28 PM

Quant Time: Jun 21 01:48:11 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)
39) Methylcyclohexane	9.08	83	576121	20.77	ug/l	95
40) Benzene	8.04	78	1632842	20.61	ug/l	99
41) Methacrylonitrile	7.21	41	453532	59.72	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	509089	20.80	ug/l	97
43) Isopropyl Acetate	8.17	43	647291	24.12	ug/l	99
44) Trichloroethene	8.83	130	437388	20.91	ug/l	95
45) 1,2-Dichloropropane	9.12	63	426169	20.55	ug/l	98
46) Dibromomethane	9.21	93	251228	20.89	ug/l	90
47) Bromodichloromethane	9.40	83	554389	20.98	ug/l	98
48) Methyl methacrylate	9.20	41	280052	22.16	ug/l	89
49) 1,4-Dioxane	9.20	88	79135	453.64	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1581197	112.41	ug/l	94
52) Toluene	10.16	92	996759	21.44	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	536261	21.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622132	20.84	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	358832	20.70	ug/l	97
56) Ethyl methacrylate	10.43	69	441772	22.09	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	603027	21.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	414270	68.95	ug/l	95
59) 2-Hexanone	10.75	43	1050582	115.84	ug/l	94
60) Dibromochloromethane	10.90	129	401903	20.77	ug/l	99
61) 1,2-Dibromoethane	11.01	107	339146	21.05	ug/l	98
64) Tetrachloroethene	10.63	164	478747	23.03	ug/l	97
65) Chlorobenzene	11.44	112	1078232	20.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403289	20.51	ug/l	99
67) Ethyl Benzene	11.51	91	1836634	21.19	ug/l	98
68) m/p-Xylenes	11.62	106	1425021	43.81	ug/l	96
69) o-Xylene	11.95	106	670994	21.42	ug/l	96
70) Styrene	11.97	104	1086393	21.98	ug/l	98
71) Bromoform	12.13	173	269456	21.17	ug/l #	98
73) Isopropylbenzene	12.25	105	1803372	20.78	ug/l	98
74) N-amyl acetate	12.07	43	445458	20.96	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	408299	21.60	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	339787m	20.15	ug/l	
77) Bromobenzene	12.53	156	448760	19.58	ug/l	92
78) n-propylbenzene	12.59	91	2038749	21.40	ug/l	98
79) 2-Chlorotoluene	12.68	91	1251163	20.72	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1471601	21.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	108461	20.33	ug/l	94
82) 4-Chlorotoluene	12.78	91	1247284	21.41	ug/l	98
83) tert-Butylbenzene	12.99	119	1237808	20.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1486483	21.94	ug/l	99
85) sec-Butylbenzene	13.17	105	1669545	20.76	ug/l	99
86) p-Isopropyltoluene	13.29	119	1420958	21.15	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	770706	20.44	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	747241	19.99	ug/l	99
89) n-Butylbenzene	13.62	91	1072611	20.44	ug/l	98
90) Hexachloroethane	13.88	117	279035	20.96	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	751039	20.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59891	19.82	ug/l	88

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ClientSampleId :
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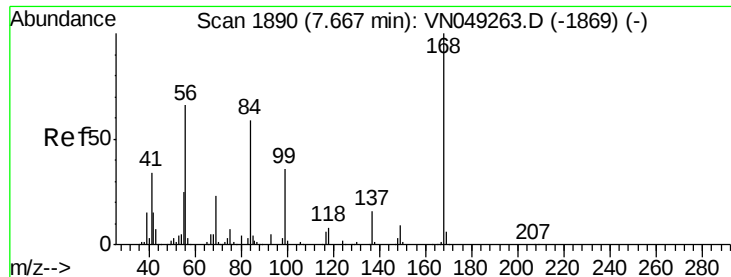
Manual Integrations
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6/21/2018 12:00:28 PM

Quant Time: Jun 21 01:48:11 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)
93) 1,2,4-Trichlorobenzene	14.91	180	260194	18.64	ug/l	98
94) Hexachlorobutadiene	15.01	225	247716	21.34	ug/l	98
95) Naphthalene	15.14	128	488907	19.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	276237	18.97	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion:168 Resp: 1526547

Ion Ratio Lower Upper

168 100

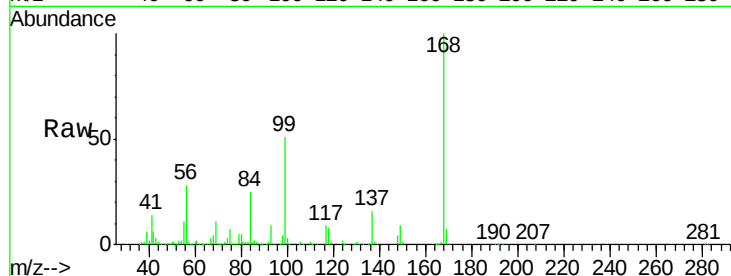
99 51.1 45.8 68.6

Manual Integrations

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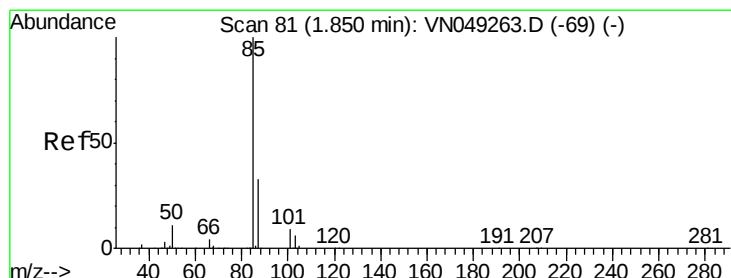
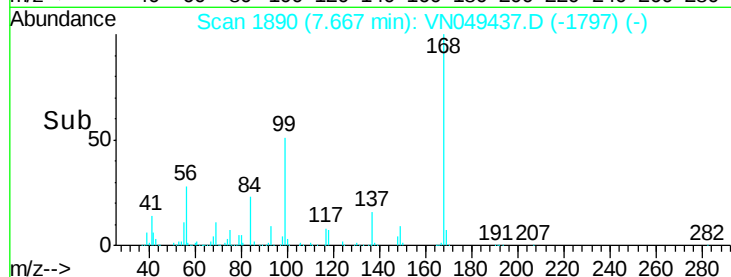
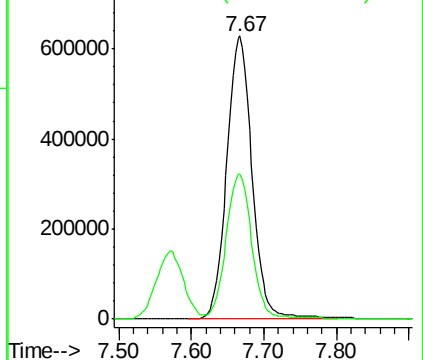
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049437.D

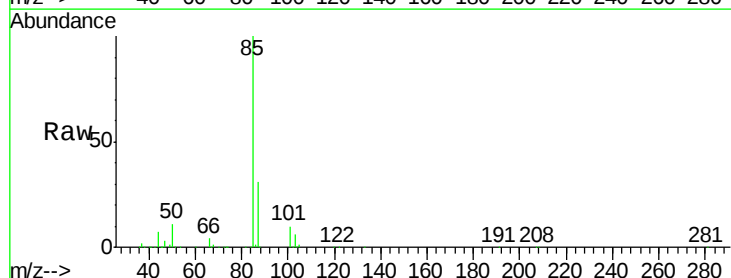
Acq: 20 Jun 2018 15:22

Tgt Ion: 85 Resp: 364442

Ion Ratio Lower Upper

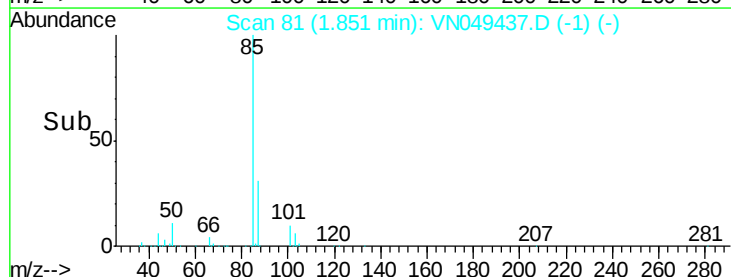
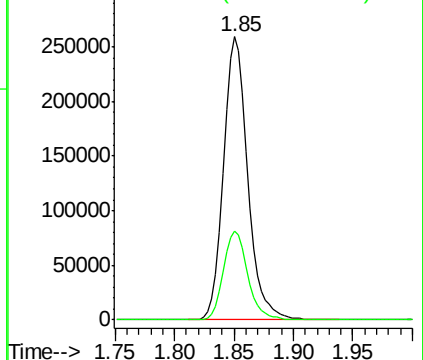
85 100

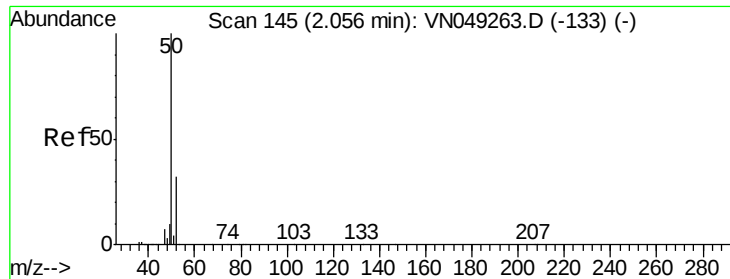
87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.60 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 50 Resp: 444796

Ion Ratio Lower Upper

50 100

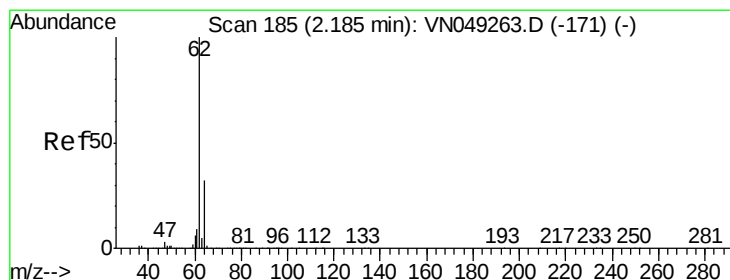
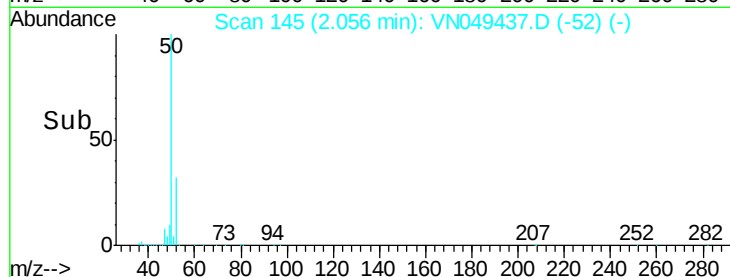
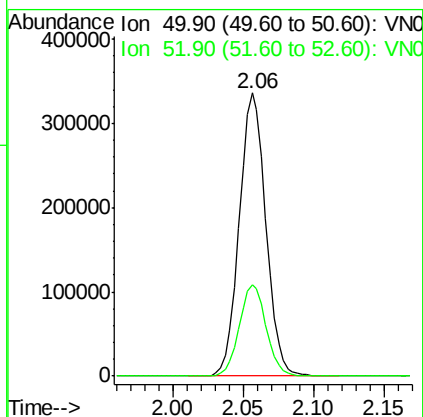
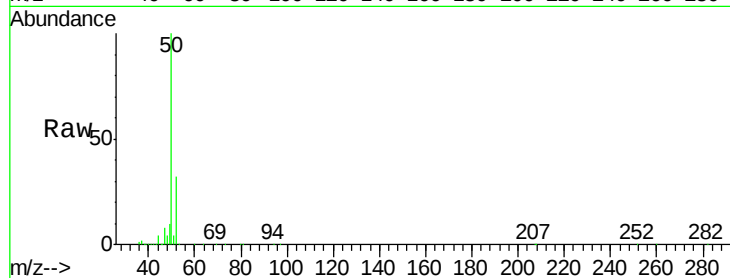
52 32.4 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049437.D

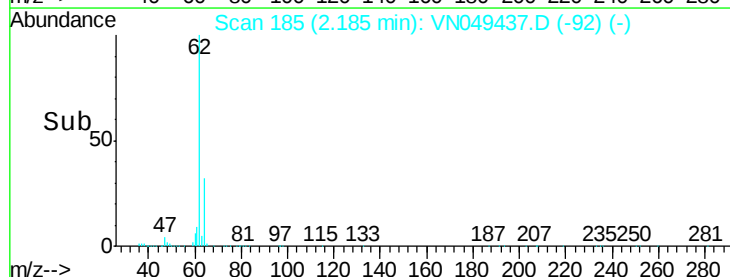
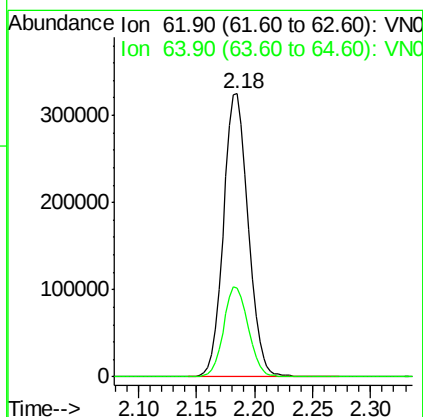
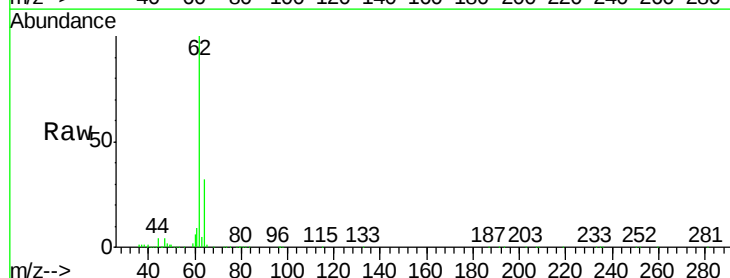
Acq: 20 Jun 2018 15:22

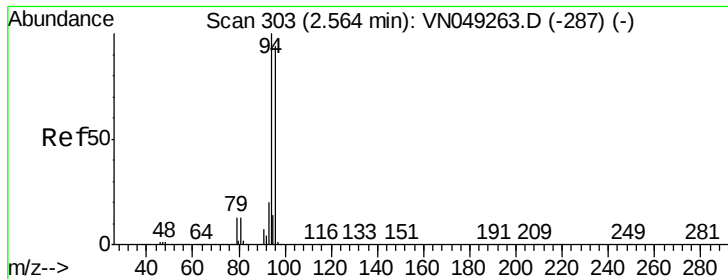
Tgt Ion: 62 Resp: 482346

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 18.13 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0620WBS01

Tot Ion: 94 Resp: 229807

Ion Ratio Lower Upper

94 100

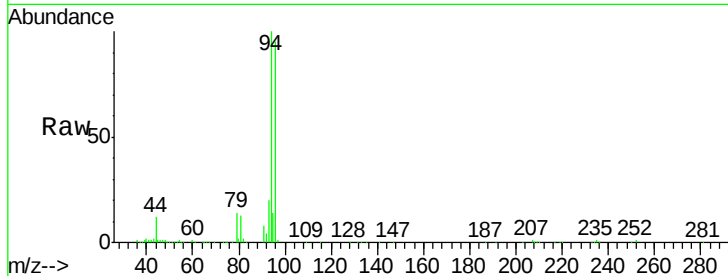
96 94.7 72.8 109.2

Manual Integrations

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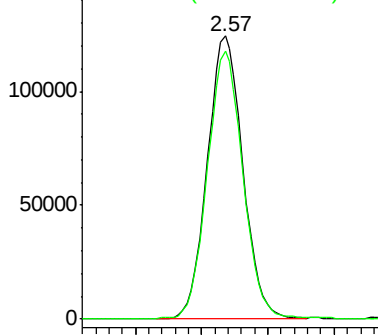
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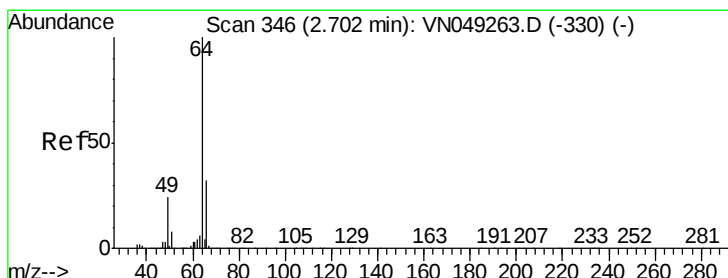
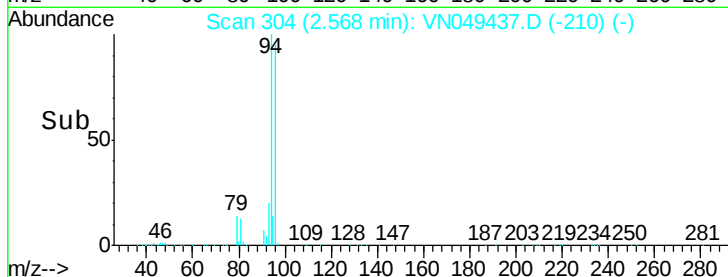


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 20.57 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049437.D

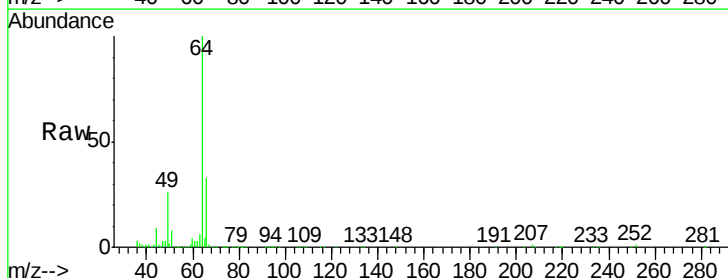
Acq: 20 Jun 2018 15:22

Tgt Ion: 64 Resp: 295781

Ion Ratio Lower Upper

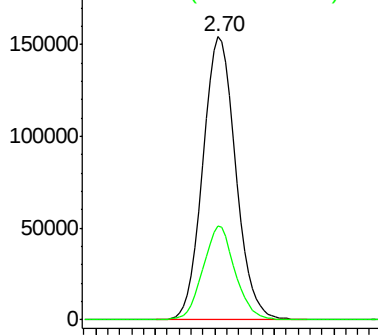
64 100

66 33.0 25.6 38.4

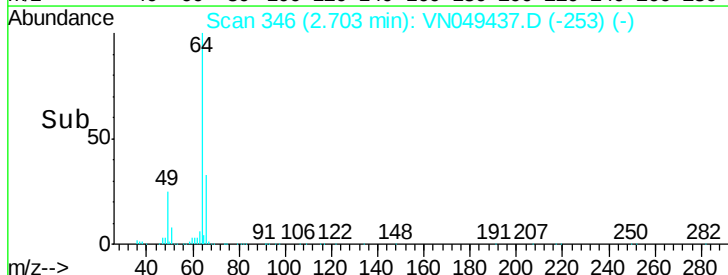


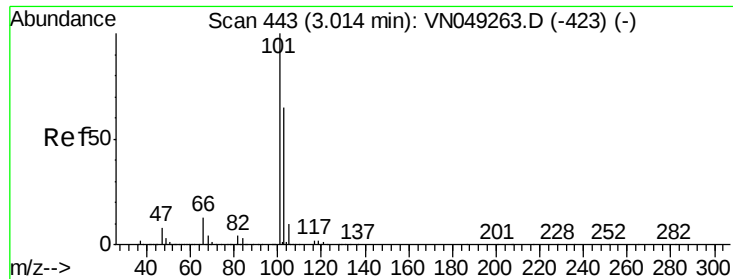
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

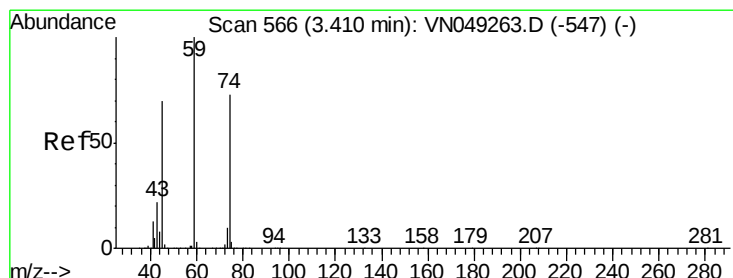
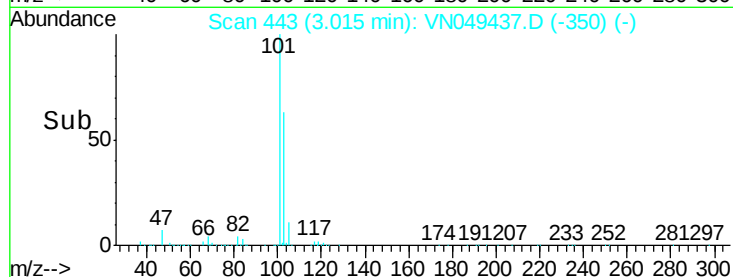
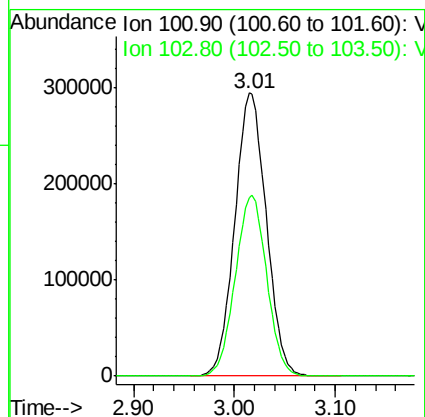
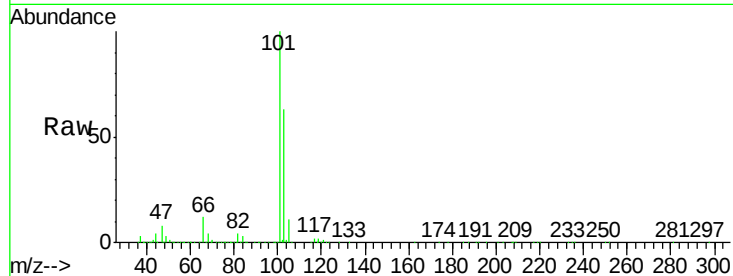
Trichlorofluoromethane
 Concen: 21.22 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
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 VN0620WBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.2	51.7	77.5	

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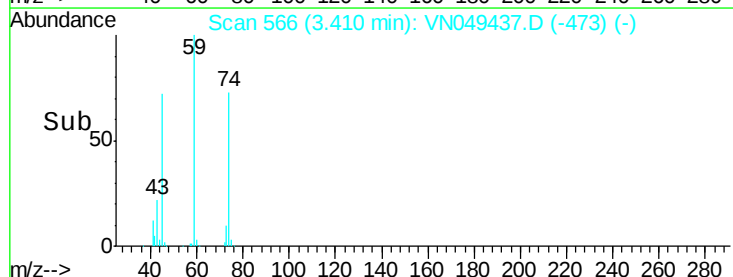
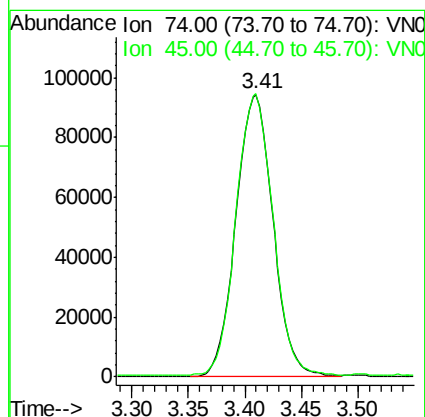
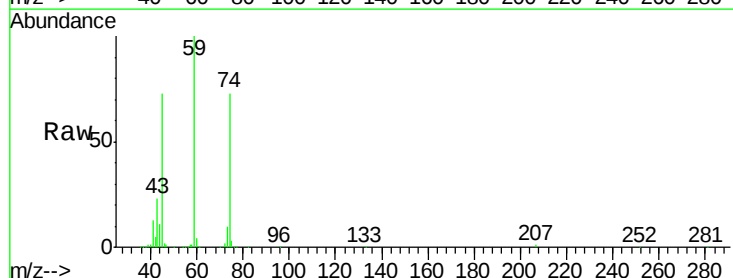
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#8

Diethyl Ether
 Concen: 20.57 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	99.5	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.87 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

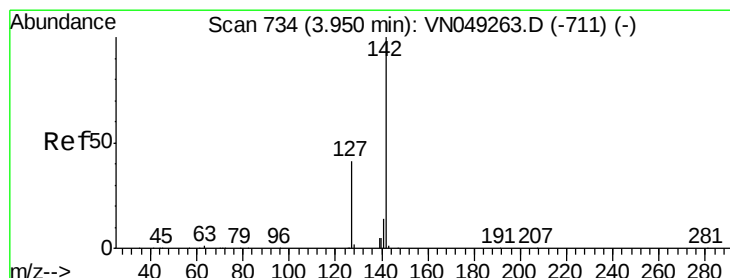
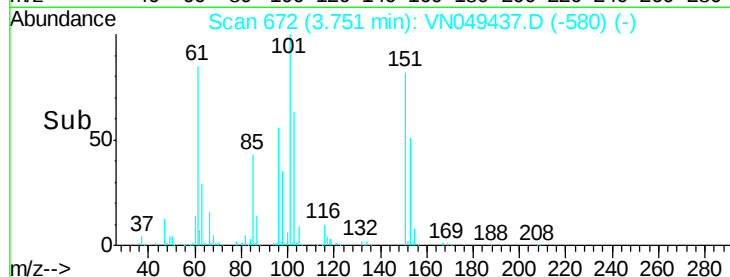
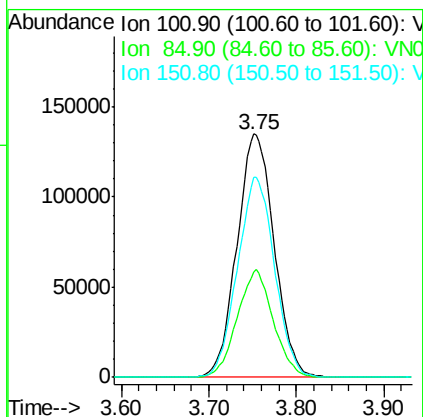
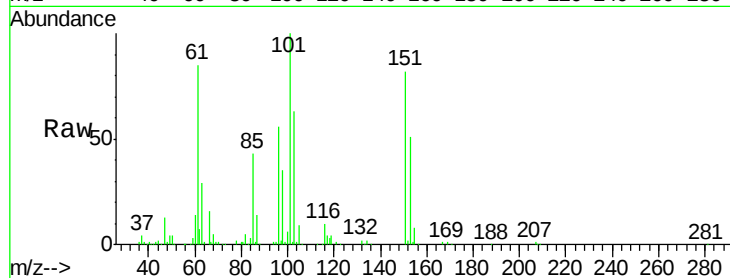
ClientSampleId :

VN0620WBS01

Tot Ion:	101	Resp:	398127
Ion Ratio	Lower	Upper	
101	100		
85	42.7	37.6	56.4
151	82.3	61.1	91.7

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#10

Methyl Iodide

Concen: 19.40 ug/l

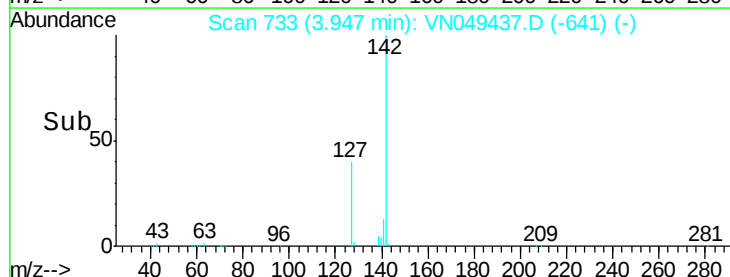
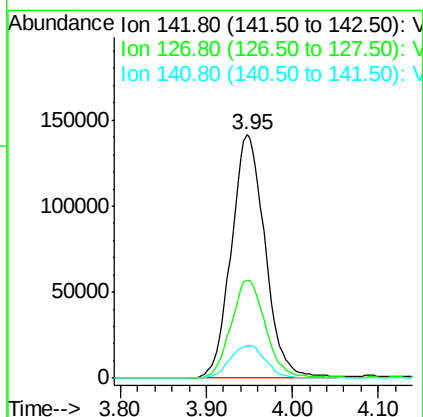
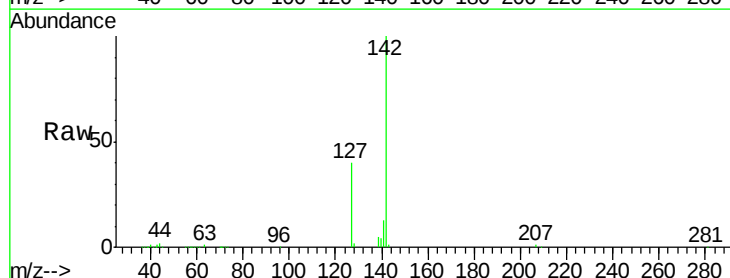
RT: 3.95 min Scan# 733

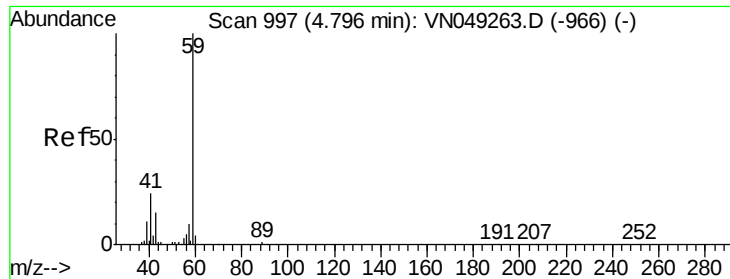
Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	142	Resp:	385359
Ion Ratio	Lower	Upper	
142	100		
127	41.2	38.2	57.4
141	14.2	11.9	17.9





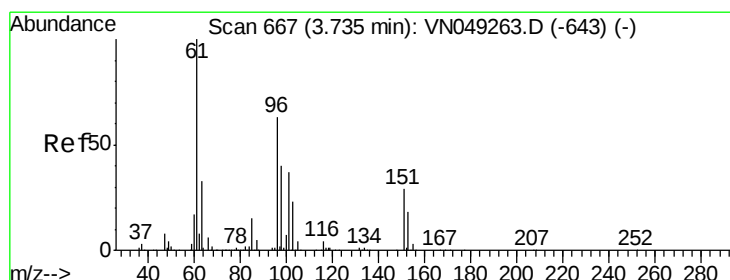
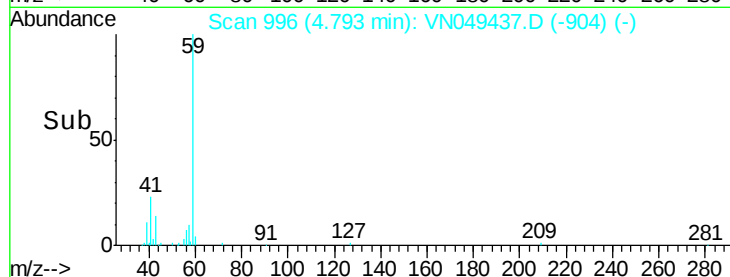
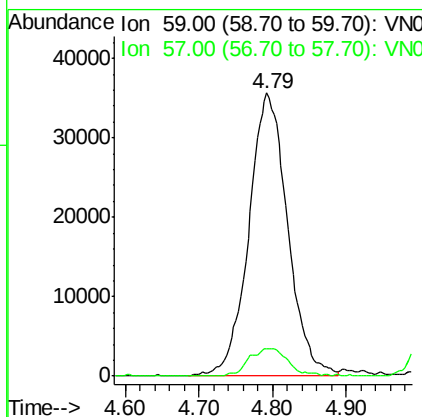
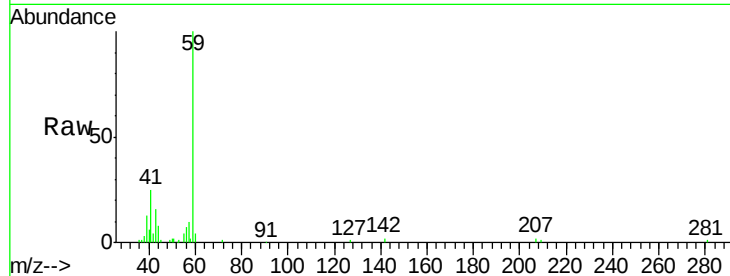
#11
Tert butyl alcohol
Concen: 110.22 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	9.0	13.6

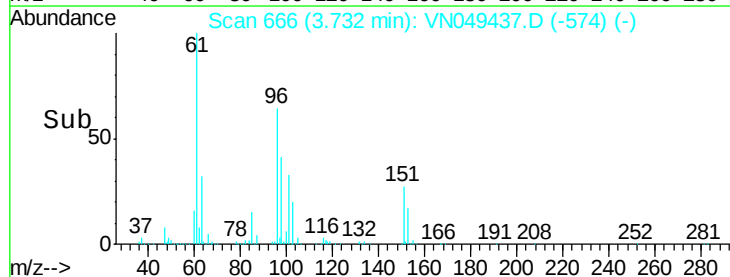
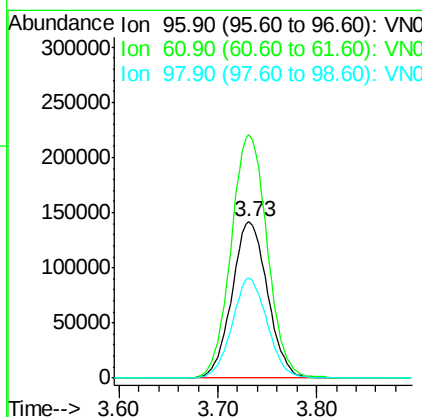
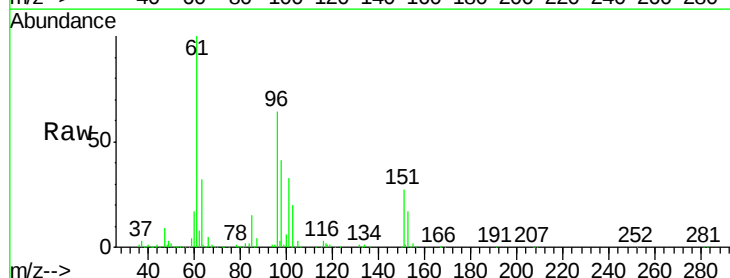
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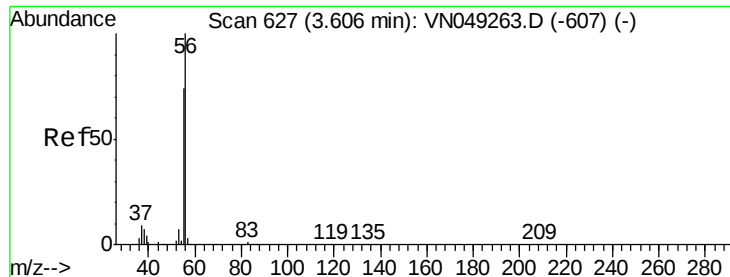
apatel
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#12
1,1-Dichloroethene
Concen: 20.26 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	141.0	211.4
98	64.5	50.4	75.6





#13

Acrolein

Concen: 140.34 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0620WBS01

Tot Ion: 56 Resp: 174889

Ion Ratio Lower Upper

56 100

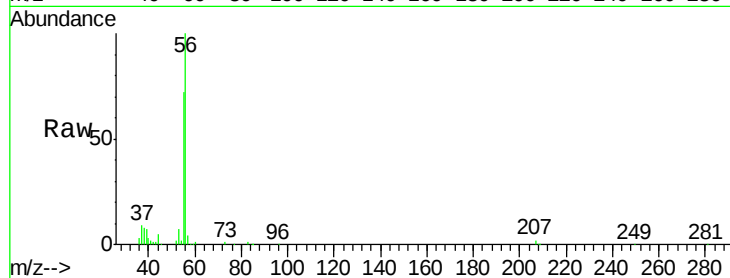
55 71.0 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

80000

60000

40000

20000

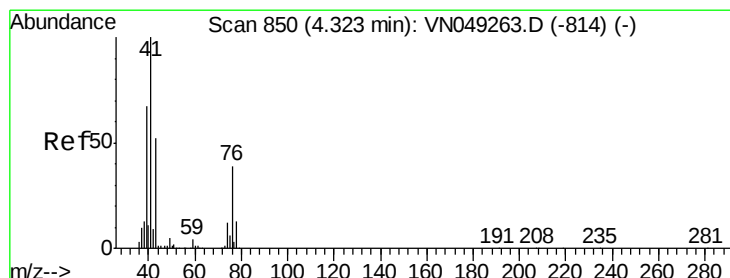
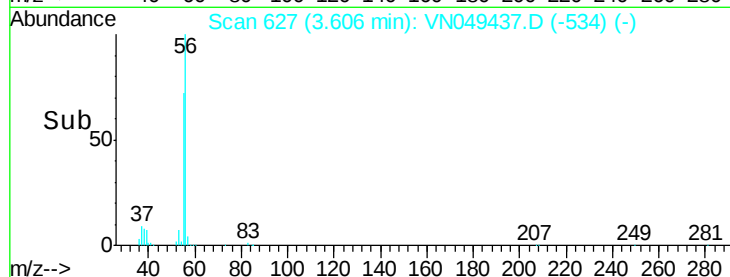
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 20.29 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

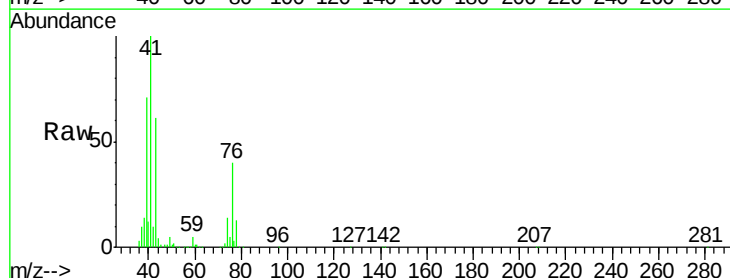
Tgt Ion: 41 Resp: 560726

Ion Ratio Lower Upper

41 100

39 66.9 62.5 93.7

76 36.7 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

4.32

250000

200000

150000

100000

50000

0

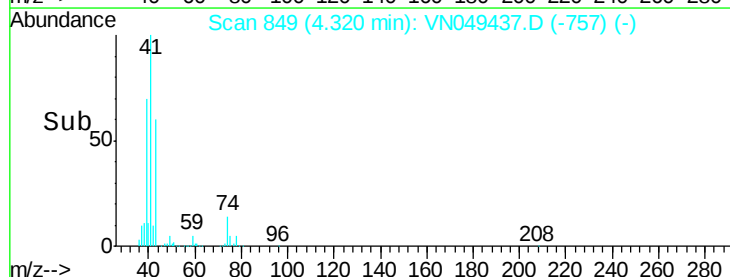
Time-->

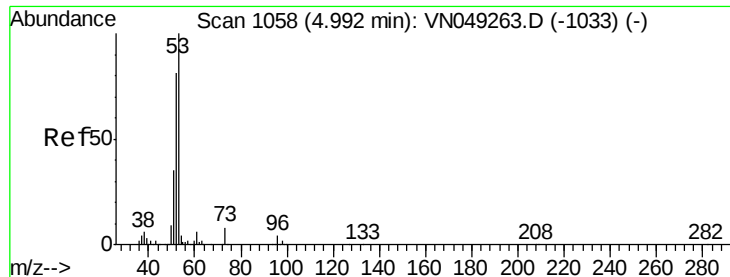
4.10

4.20

4.30

4.40





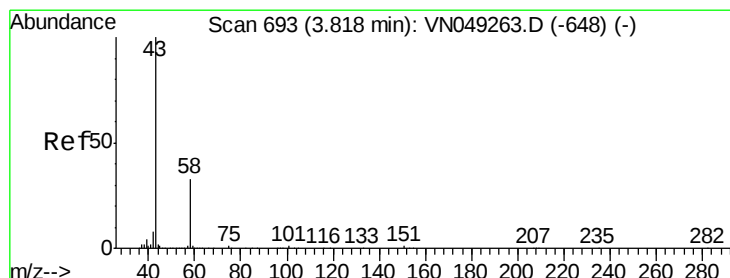
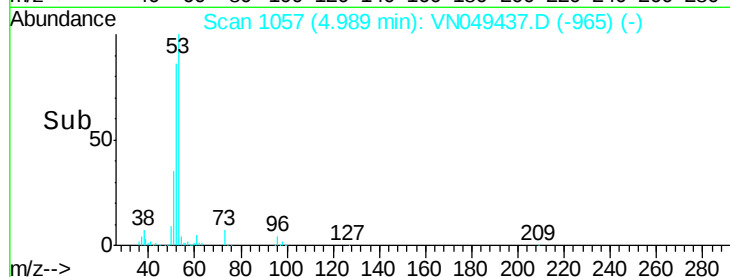
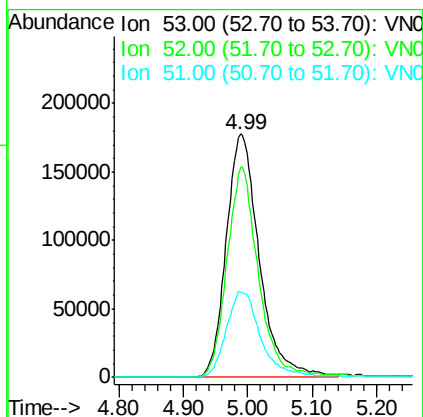
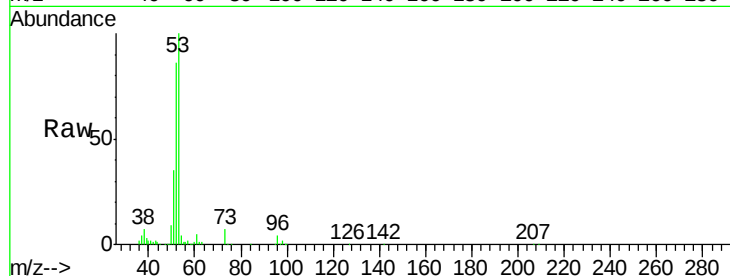
#15
 Acrylonitrile
 Concen: 107.09 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.6	29.8	44.8

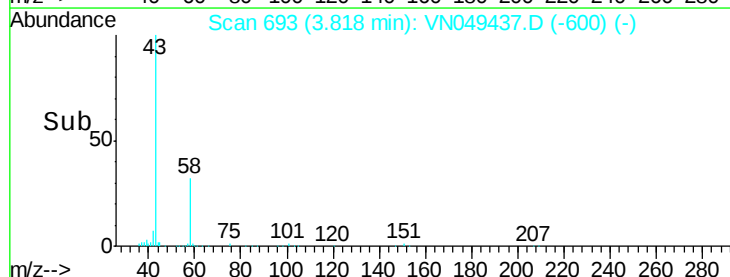
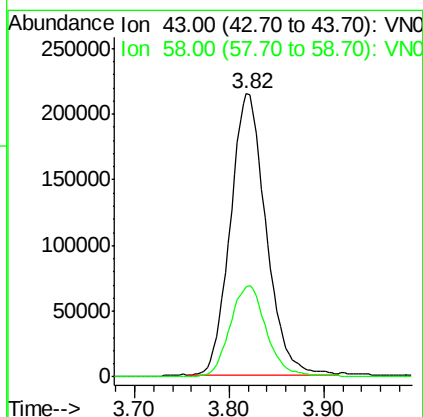
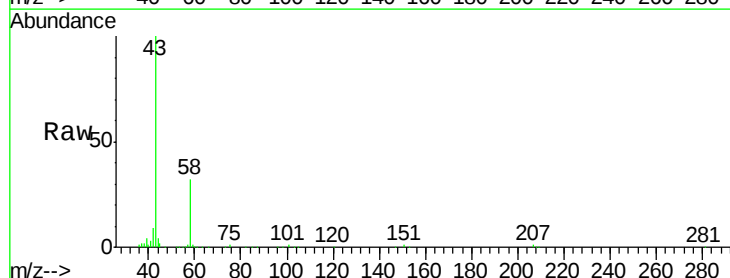
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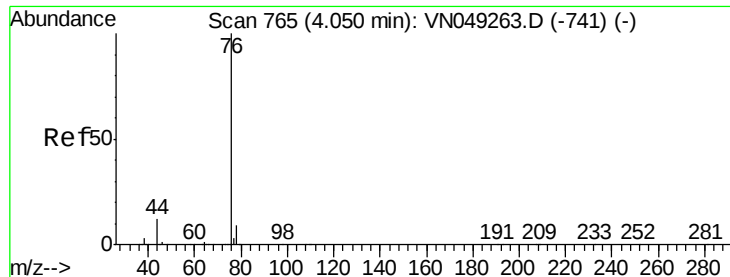
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#16
 Acetone
 Concen: 113.77 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.4	33.6





#17

Carbon Disulfide

Concen: 19.14 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 76 Resp: 1049859

Ion Ratio Lower Upper

76 100

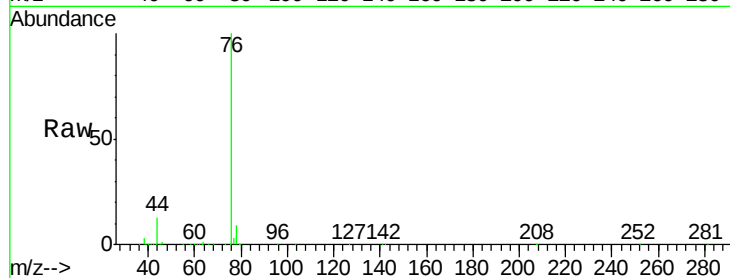
78 8.9 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

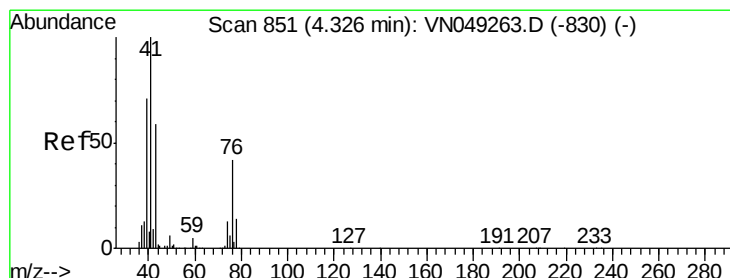
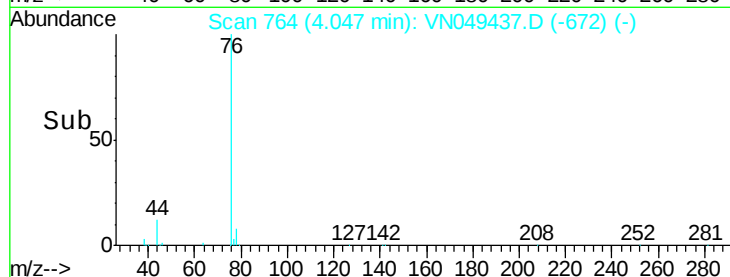
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 23.22 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049437.D

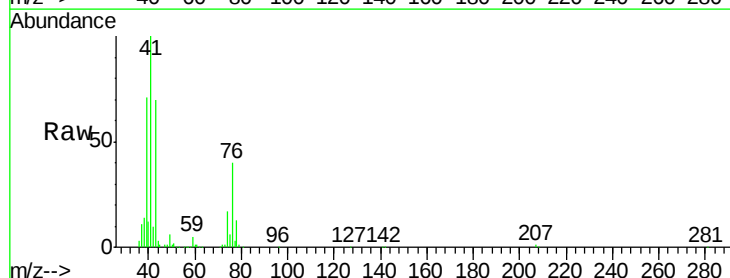
Acq: 20 Jun 2018 15:22

Tgt Ion: 43 Resp: 347994

Ion Ratio Lower Upper

43 100

74 24.0 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

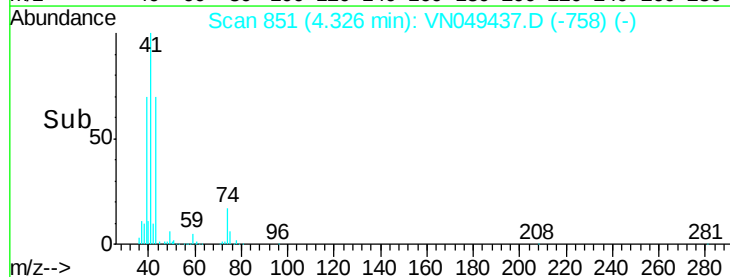
4.33

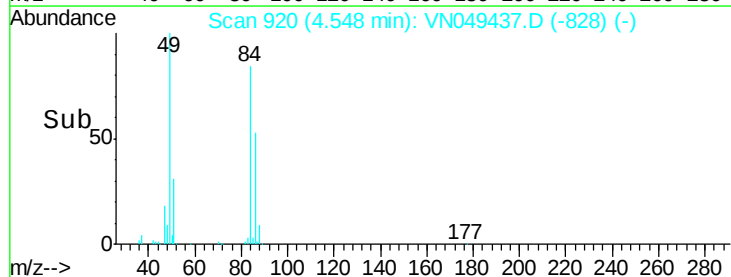
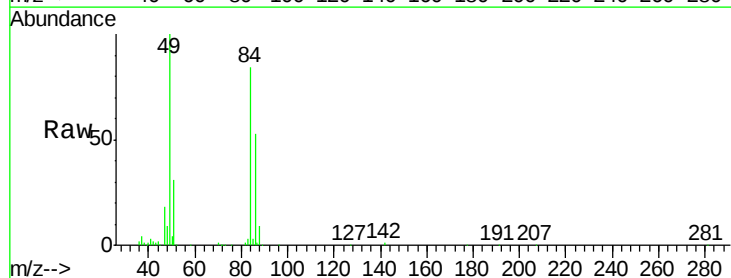
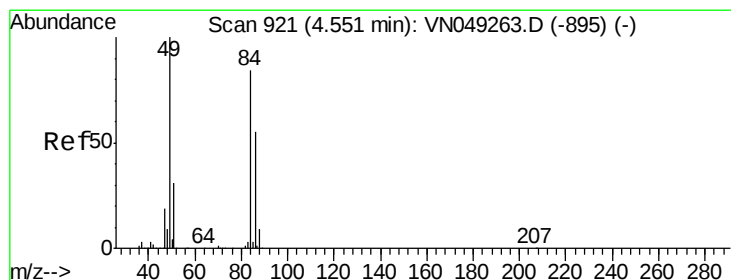
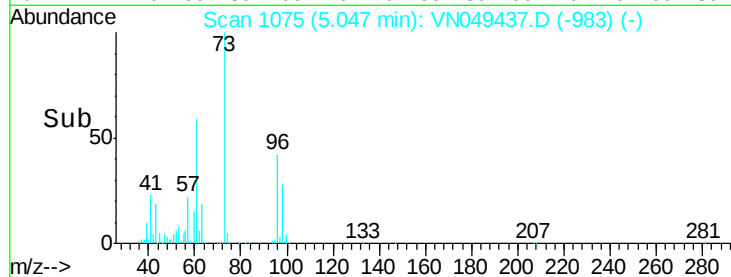
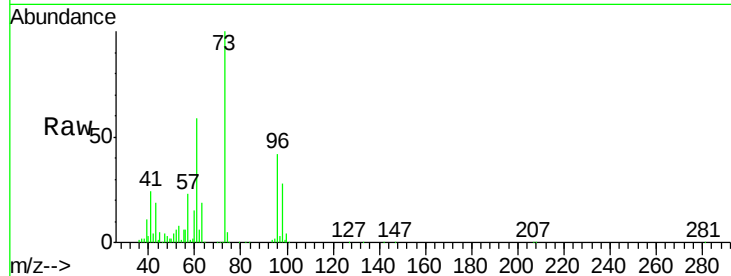
100000

50000

0

Time-->





#19

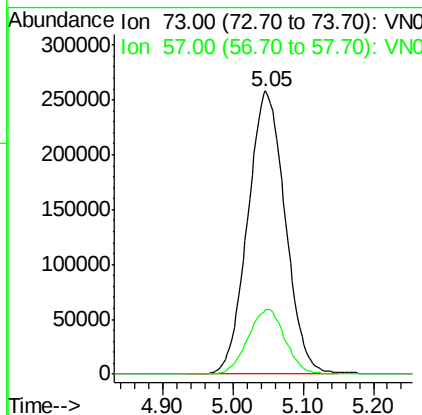
Methyl tert-butyl Ether
Concen: 21.44 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Manual Integrations
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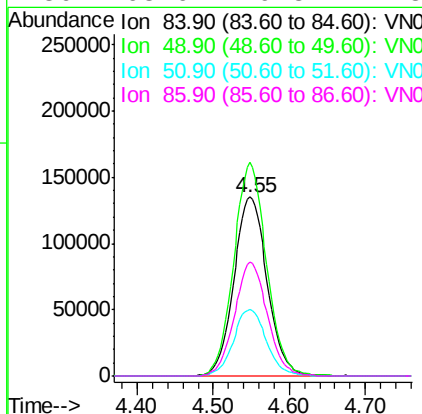
apatel
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#20

Methylene Chloride
Concen: 19.99 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	106.9	160.3
51	37.0	32.7	49.1
86	63.6	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

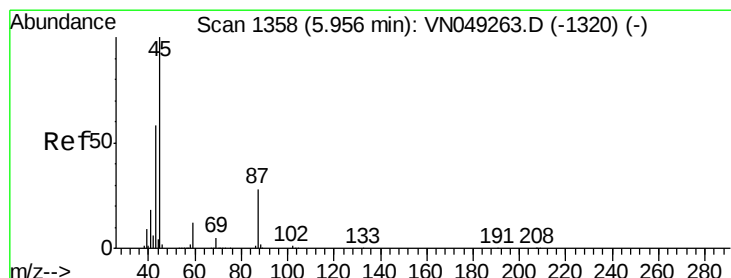
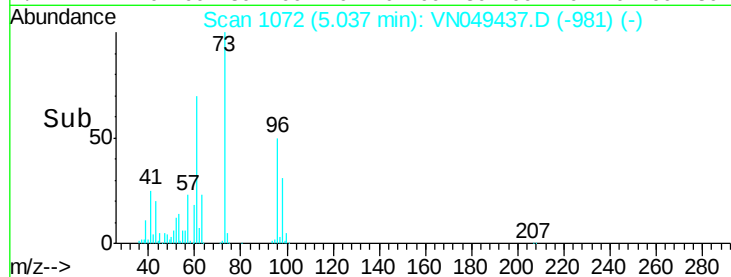
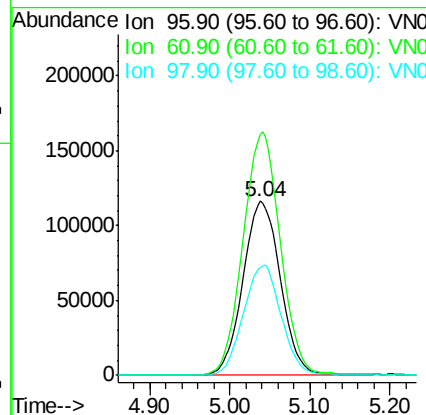
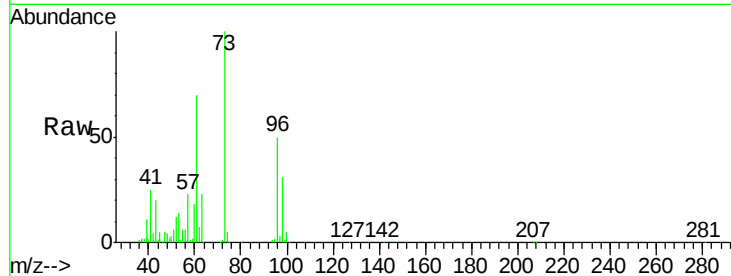
ClientSampleId :

VN0620WBS01

Tot Ion:	96	Resp:	370140
Ion	Ratio	Lower	Upper
96	100		
61	138.7	121.3	181.9
98	62.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 21.27 ug/l

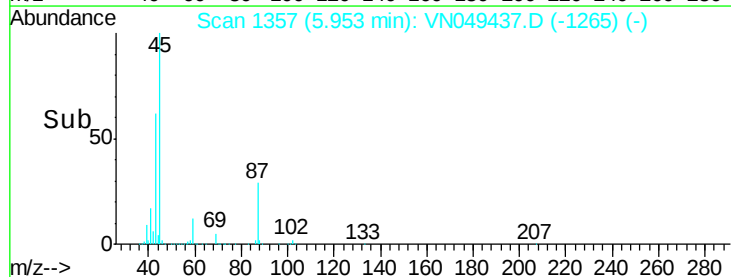
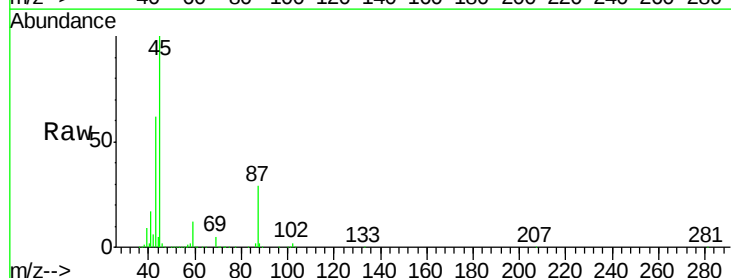
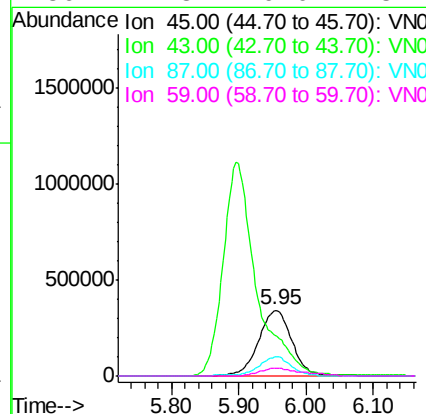
RT: 5.95 min Scan# 1357

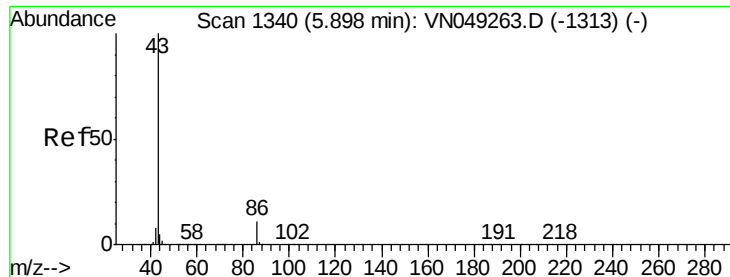
Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	45	Resp:	1173902
Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.6	72.8
87	28.3	20.2	30.2
59	11.8	9.0	13.4





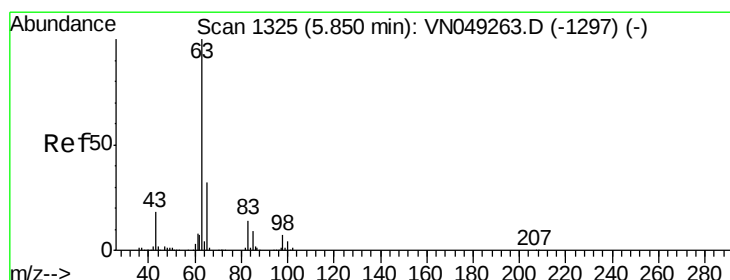
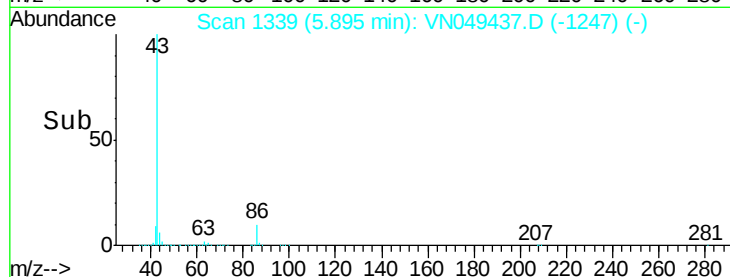
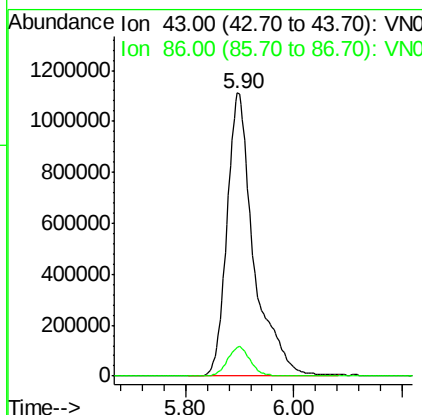
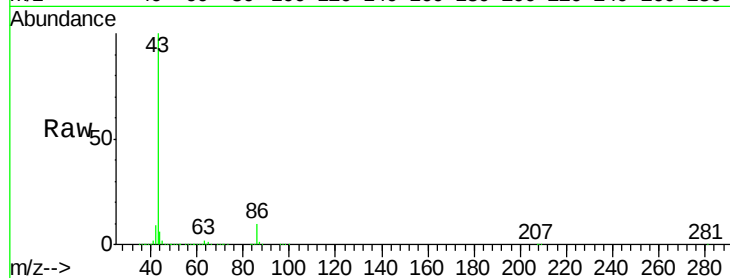
#23
 Vinyl Acetate
 Concen: 106.85 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion: 43 Resp: 3844195
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.2 10.8

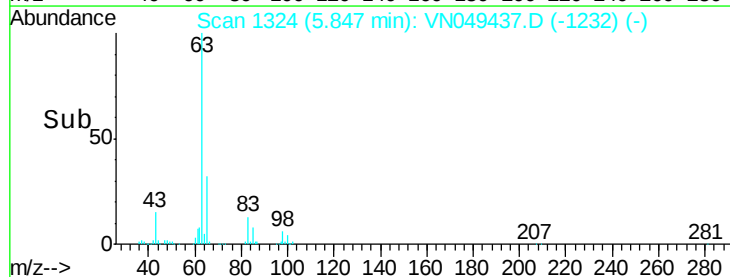
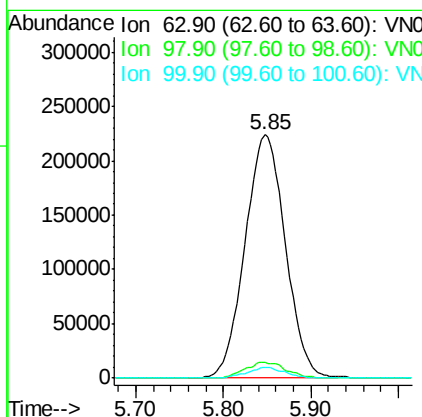
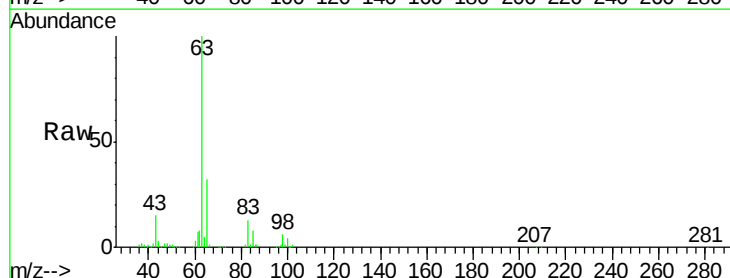
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#24
 1,1-Dichloroethane
 Concen: 20.25 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 63 Resp: 715398
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 112.05 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 43 Resp: 739685

Ion Ratio Lower Upper

43 100

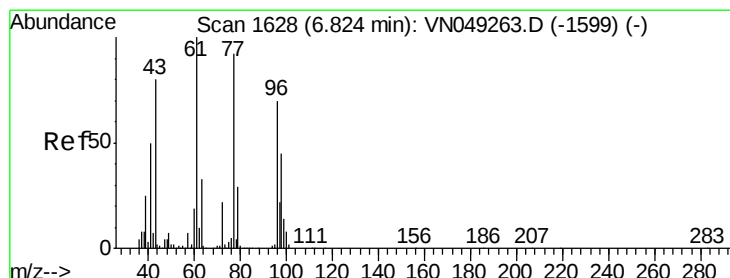
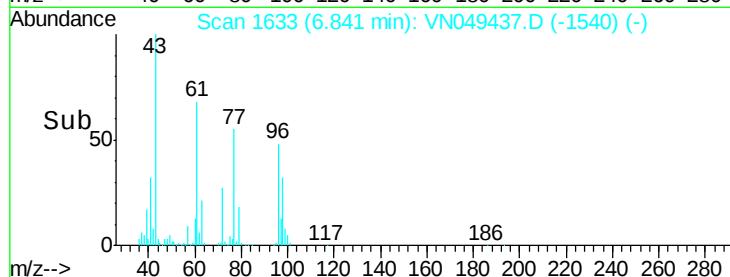
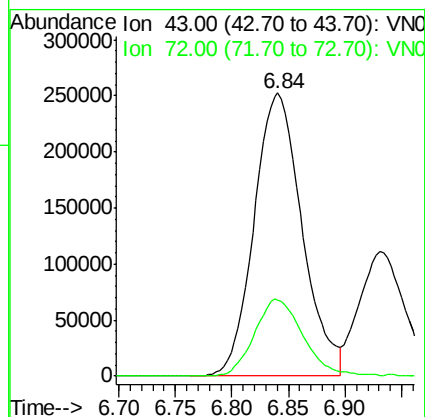
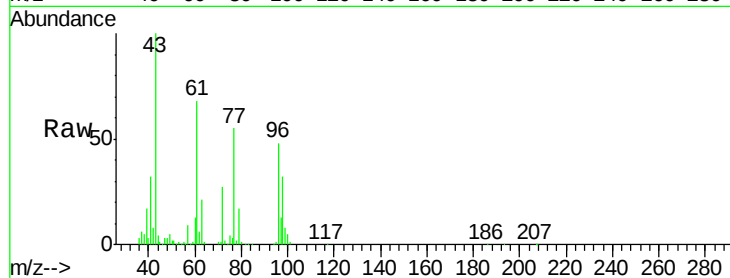
72 27.1 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 21.07 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049437.D

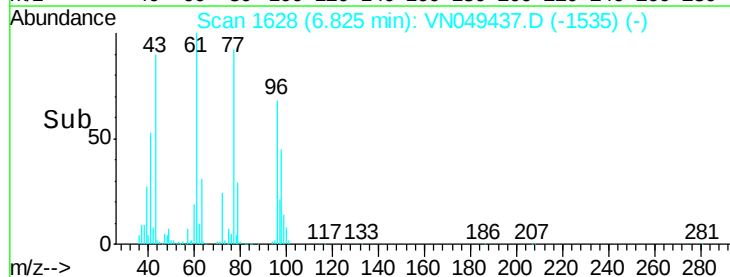
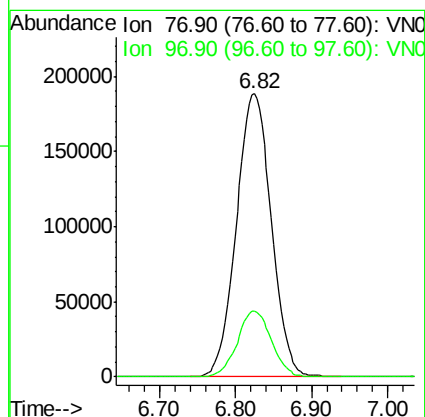
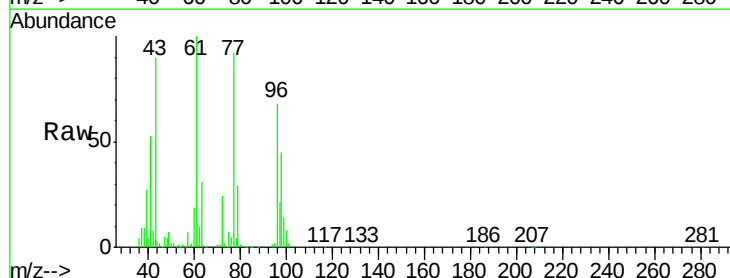
Acq: 20 Jun 2018 15:22

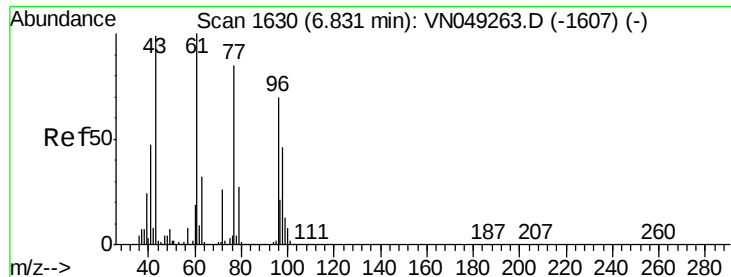
Tgt Ion: 77 Resp: 601044

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

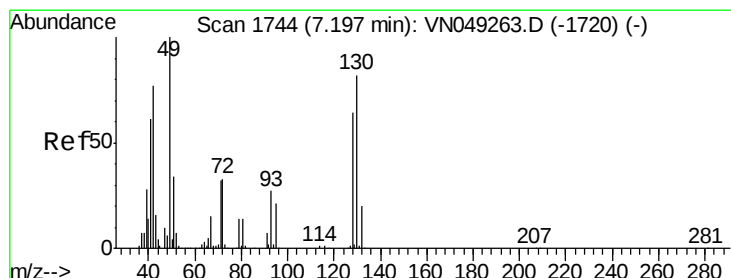
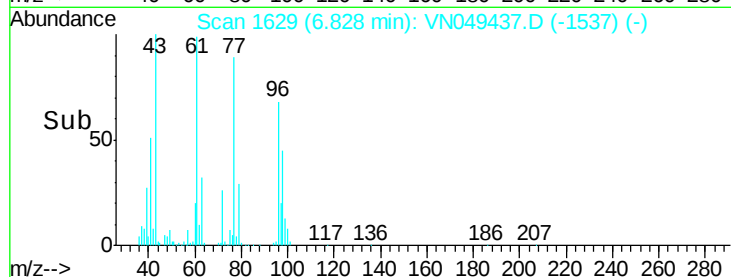
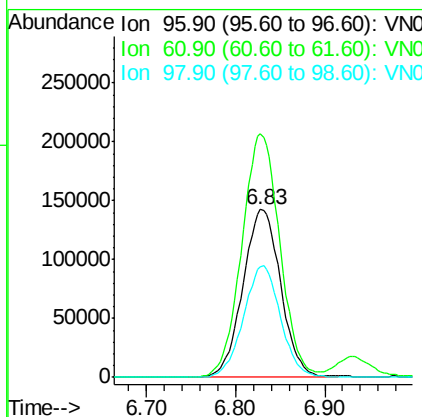
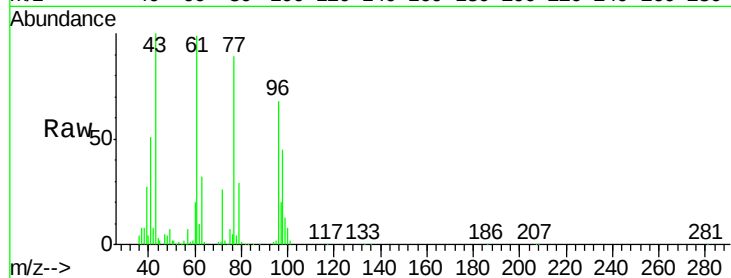
ClientSampleId :

VN0620WBS01

Tot Ion:	96	Resp:	420691
Ion Ratio	Lower	Upper	
96	100		
61	145.5	0.0	316.4
98	65.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.28 ug/l

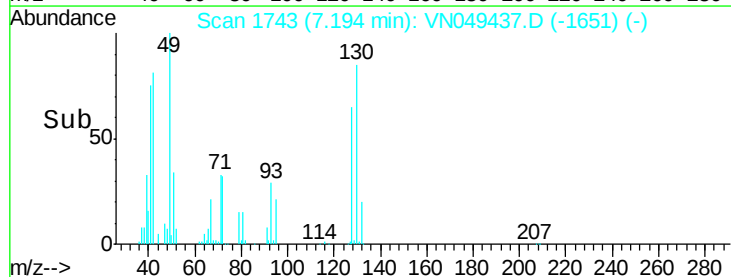
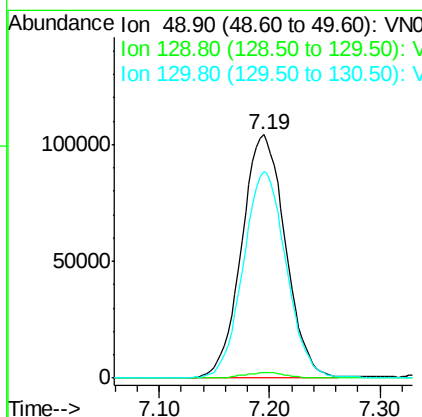
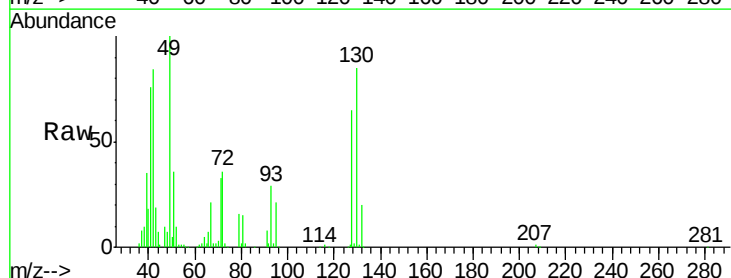
RT: 7.19 min Scan# 1743

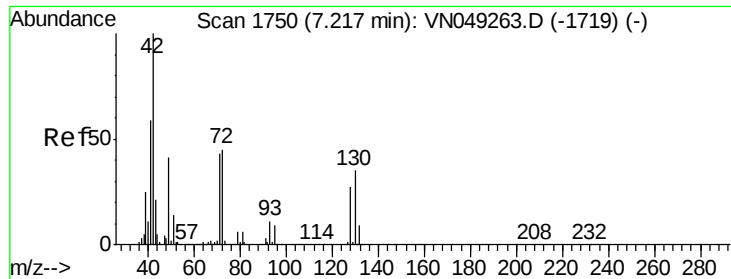
Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	49	Resp:	286267
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	83.2	54.9	82.3#





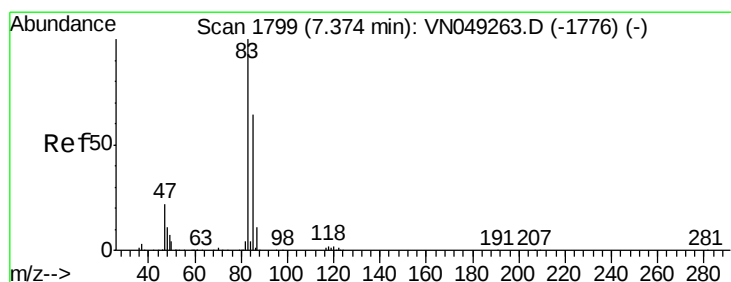
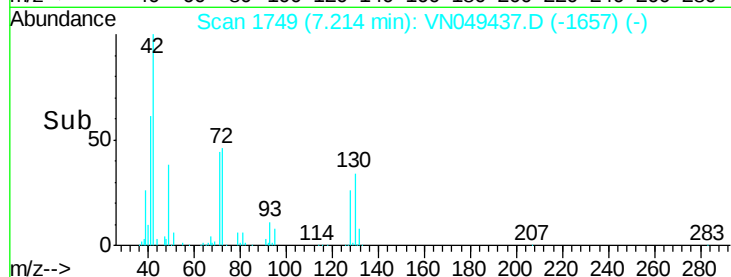
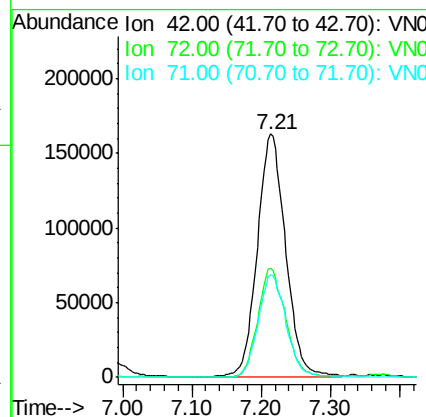
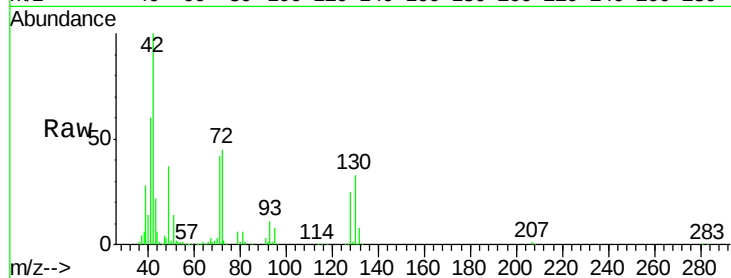
#29
Tetrahydrofuran
Concen: 108.32 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	32.2	48.4
71	41.5	30.5	45.7

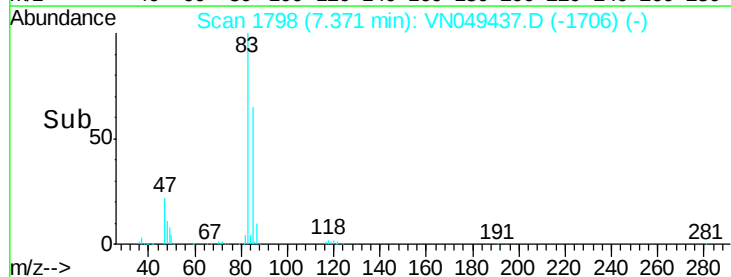
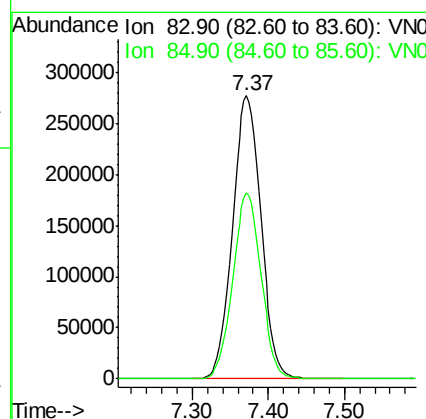
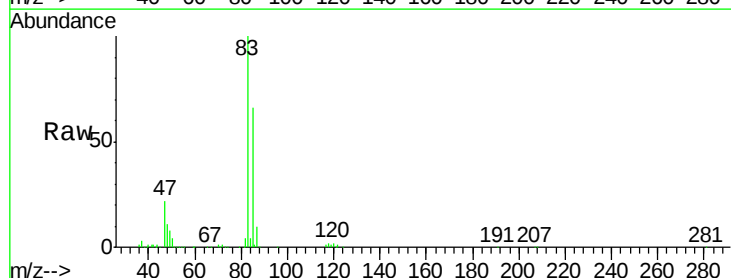
Manual Integrations
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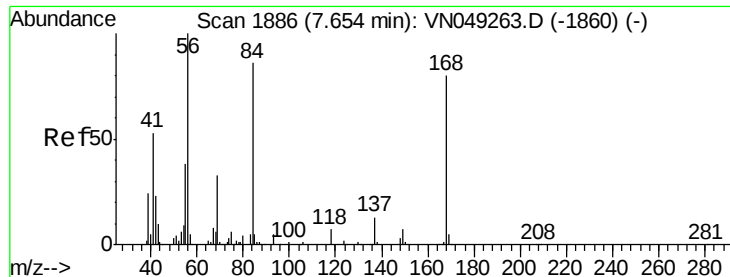
apatel
6/21/2018 12:00:28 PM



#30
Chloroform
Concen: 20.51 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5





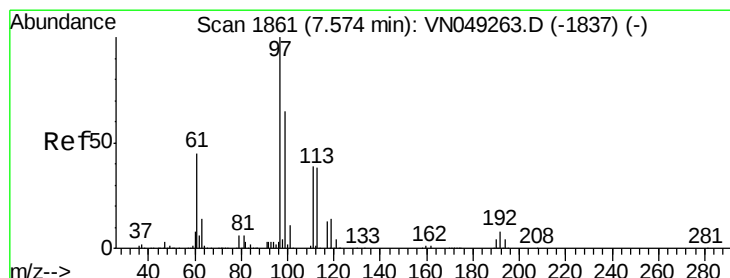
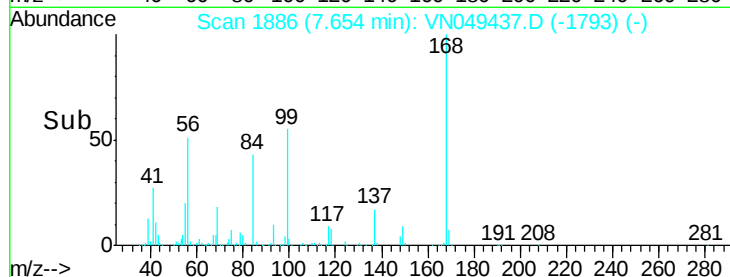
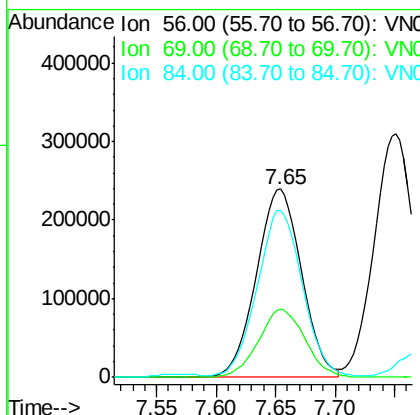
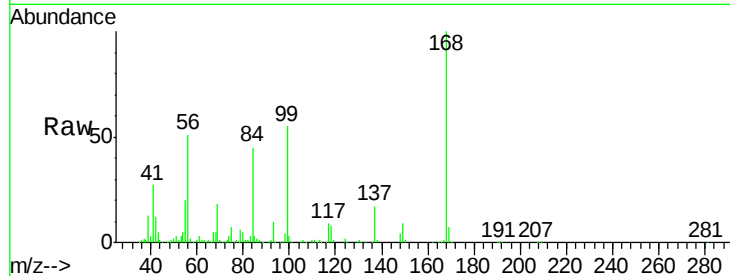
#31
Cyclohexane
Concen: 20.93 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.0	37.4
84	86.7	64.6	96.8

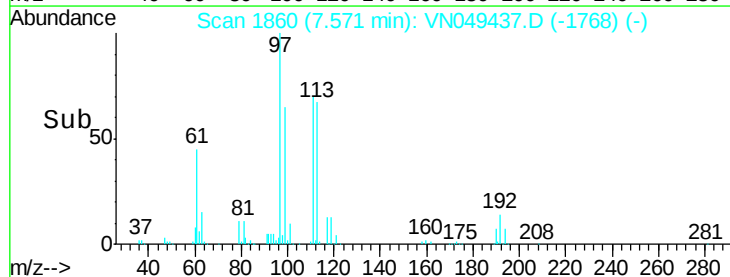
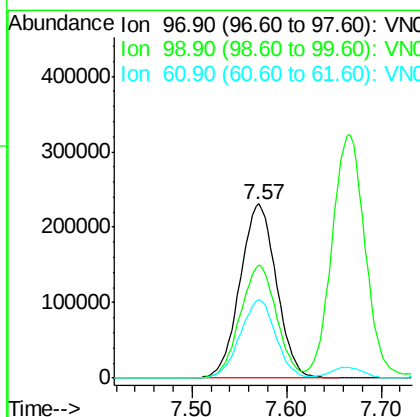
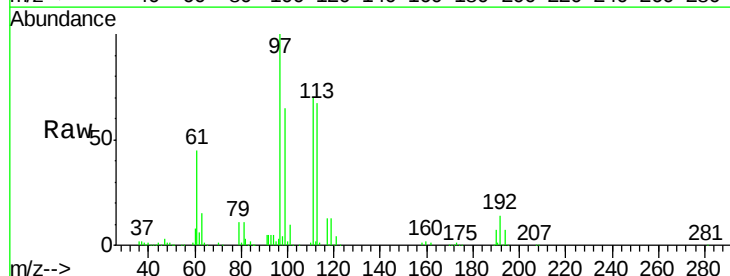
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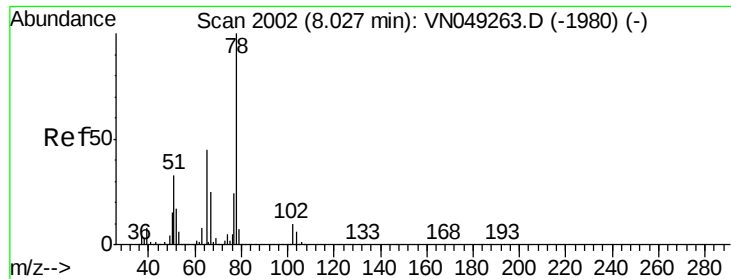
apatel
6/21/2018 12:00:28 PM



#32
1,1,1-Trichloroethane
Concen: 20.56 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	44.3	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 43.44 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 65 Resp: 879596

Ion Ratio Lower Upper

65 100

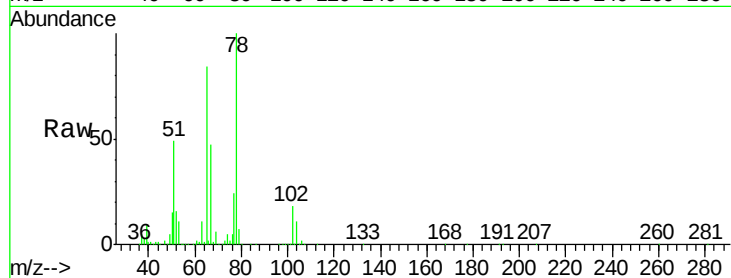
67 54.4 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

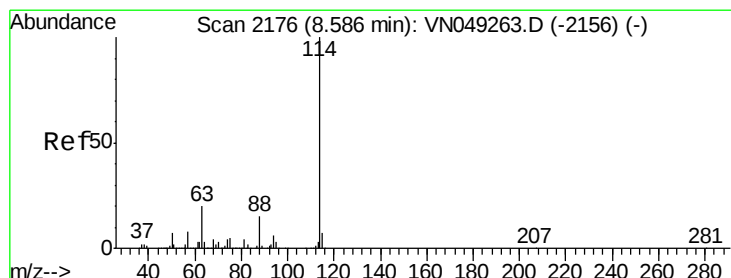
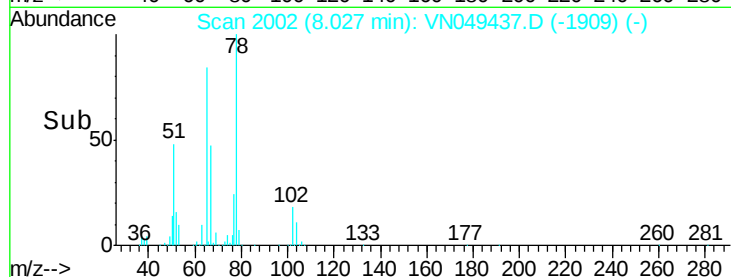
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

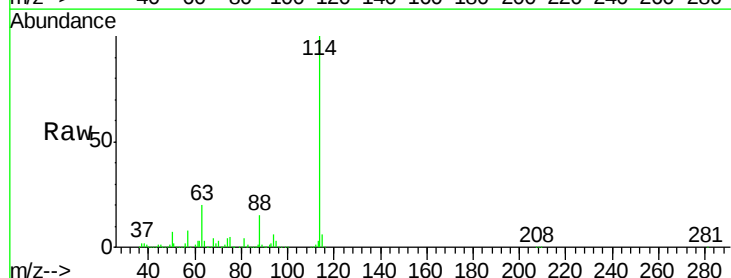
Tgt Ion: 114 Resp: 2254577

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

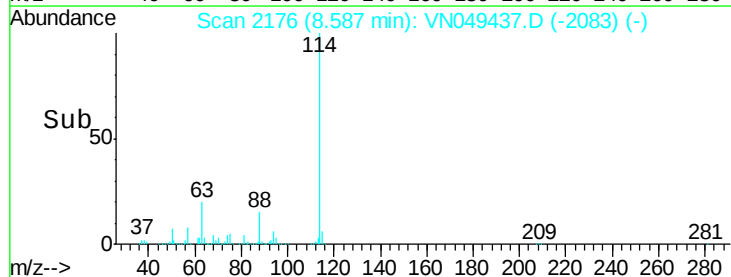
8.59

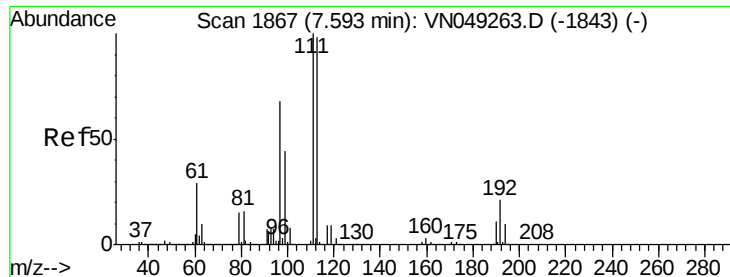
1000000

500000

0

Time--> 8.50 8.60 8.70





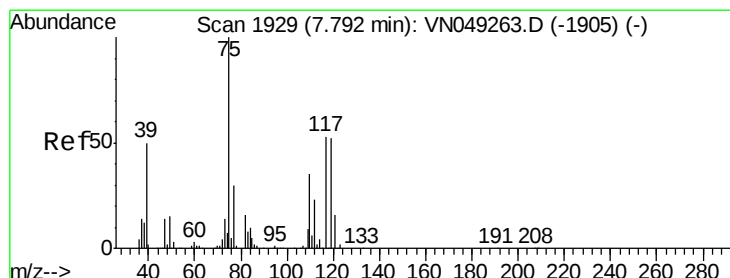
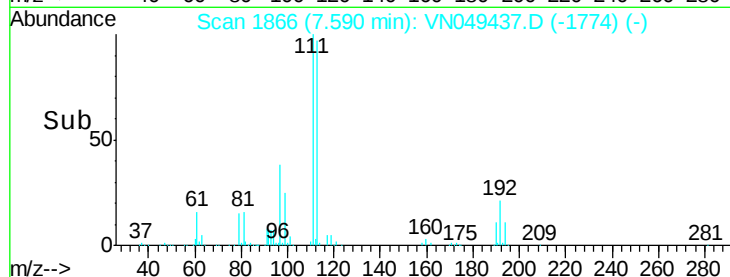
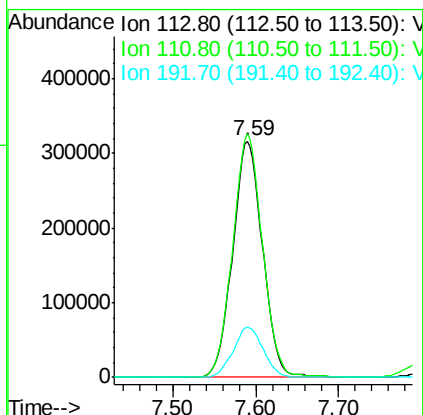
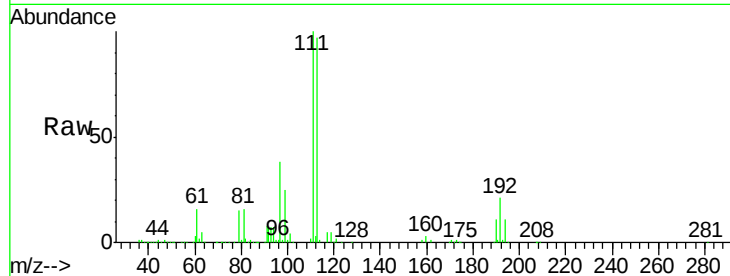
#35
Dibromofluoromethane
Concen: 43.56 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	794641		
111	102.6		82.4	123.6
192	21.4		15.0	22.6

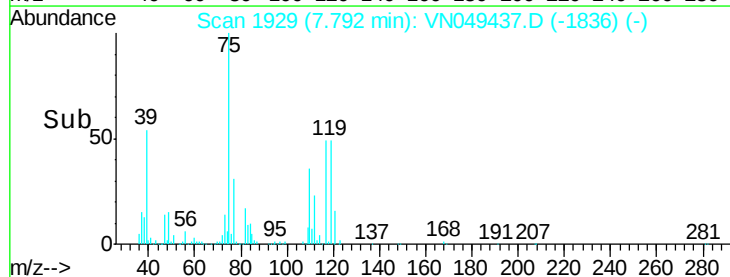
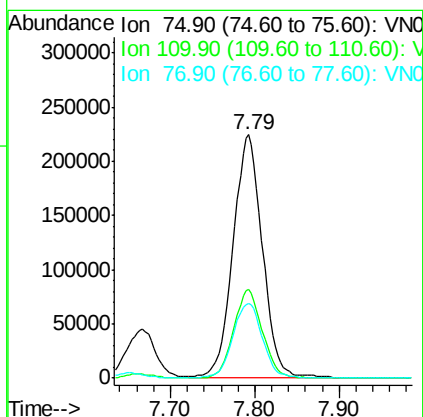
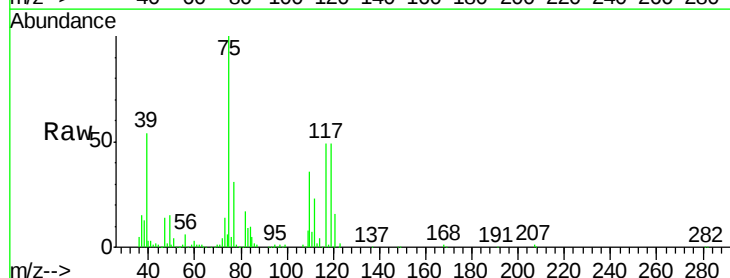
Manual Integrations
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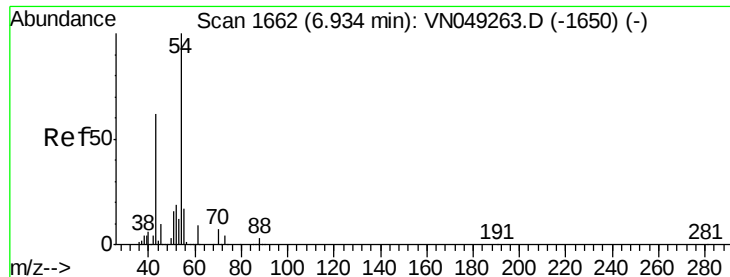
apatel
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#36
1,1-Dichloropropene
Concen: 20.99 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	542370		
110	35.8		17.0	50.9
77	31.3		24.4	36.6





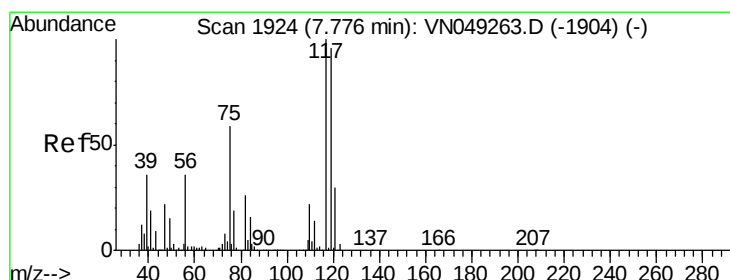
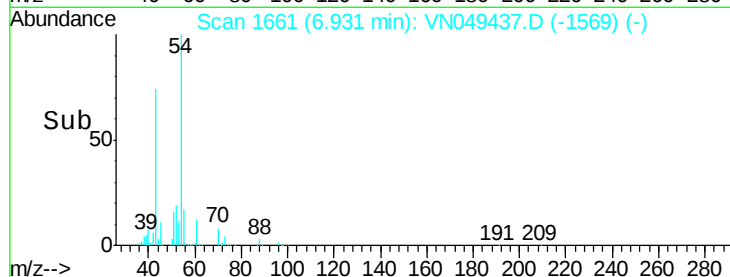
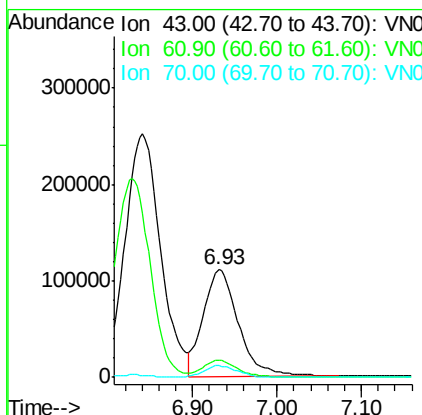
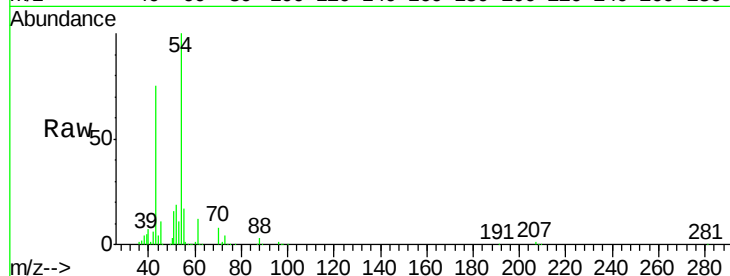
#37
Ethyl Acetate
Concen: 22.86 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	9.8	7.2	10.8

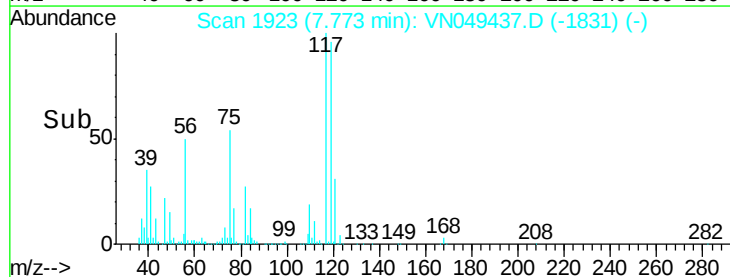
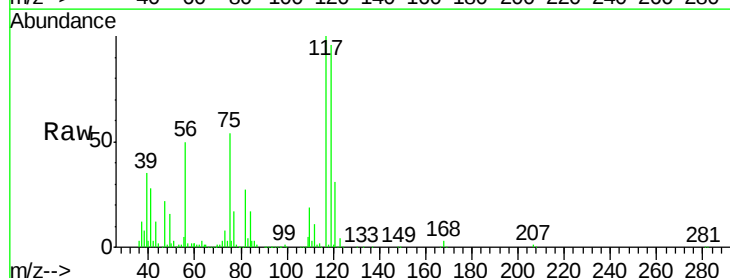
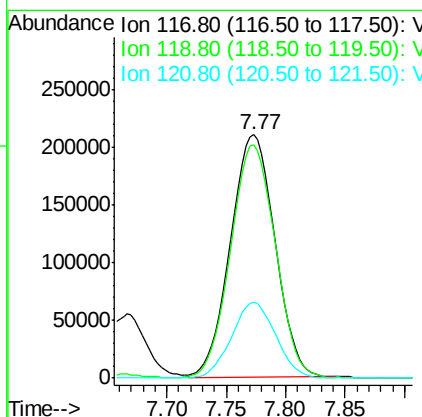
Manual Integrations
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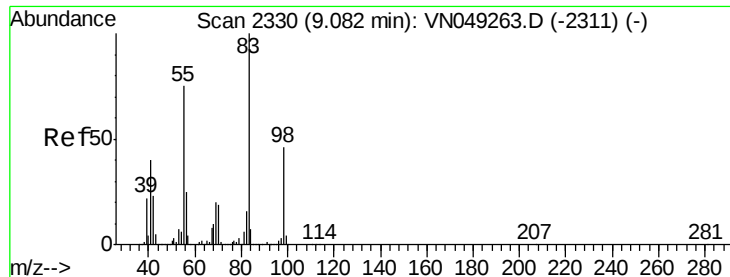
apatel
6/21/2018 12:00:28 PM



#38
Carbon Tetrachloride
Concen: 20.41 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.6	113.4
121	31.2	24.7	37.1





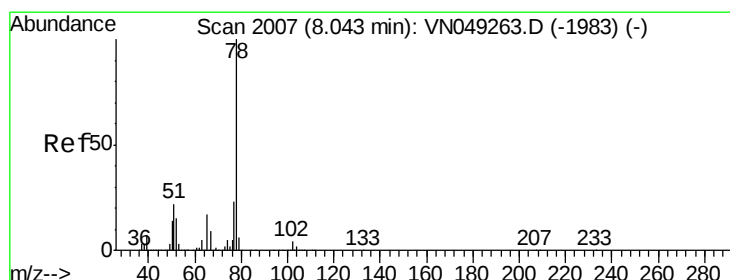
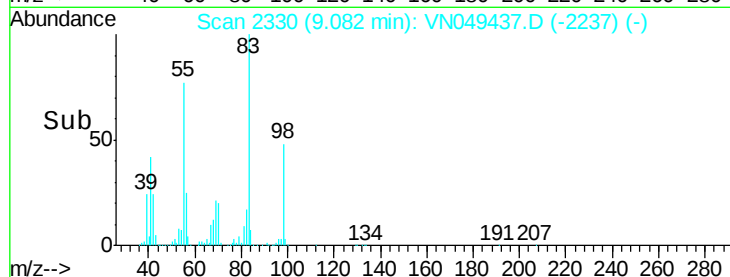
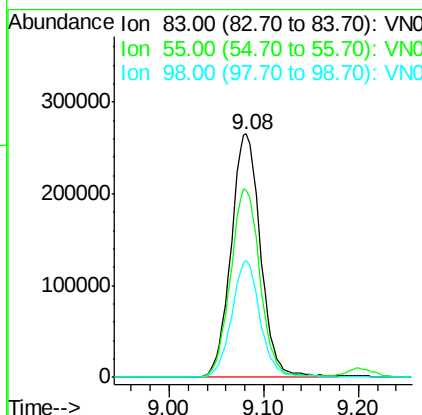
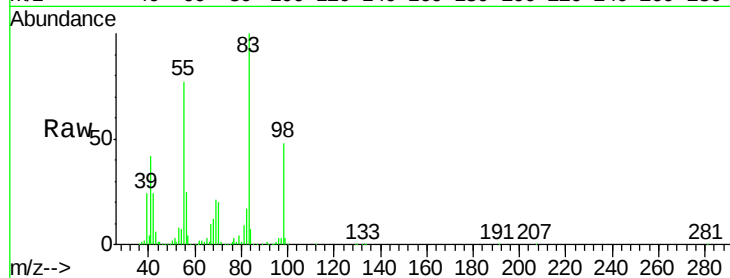
#39
Methvlcvclohexane
Concen: 20.77 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	65.1	97.7
98	48.2	36.5	54.7

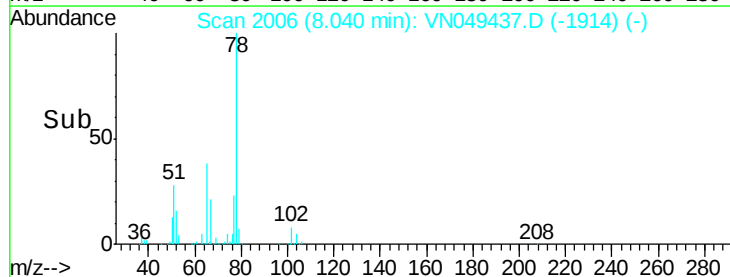
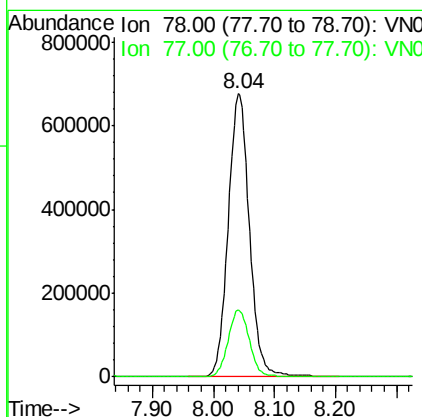
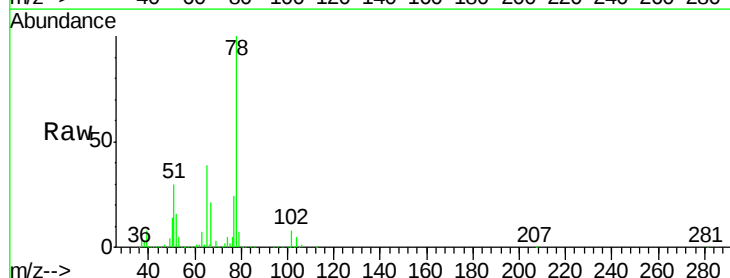
Manual Integrations
APPROVED

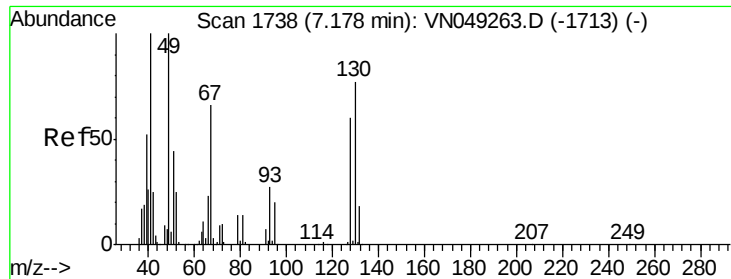
apatel
6/21/2018 12:00:28 PM



#40
Benzene
Concen: 20.61 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





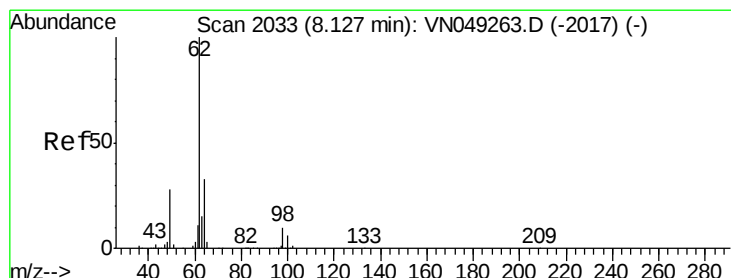
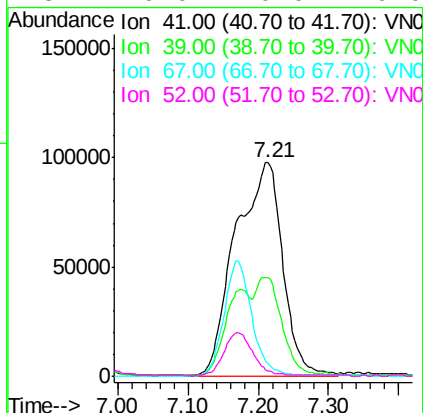
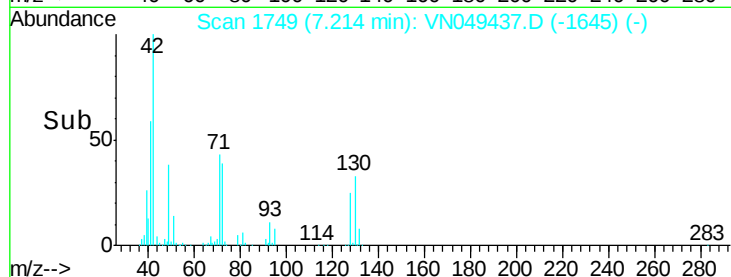
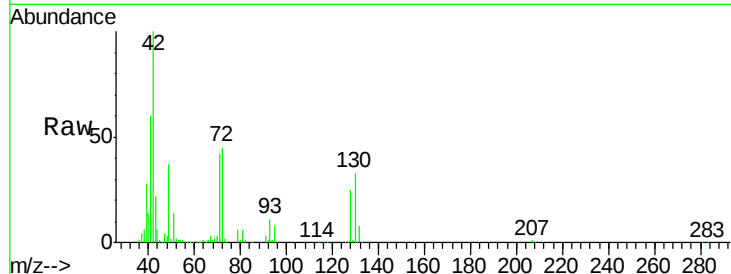
#41
Methacrylonitrile
Concen: 59.72 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

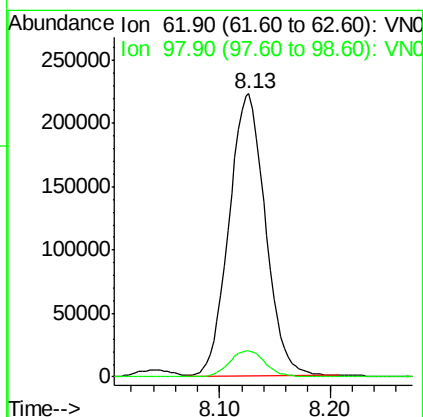
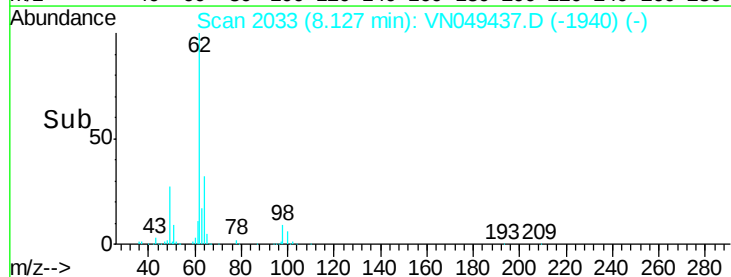
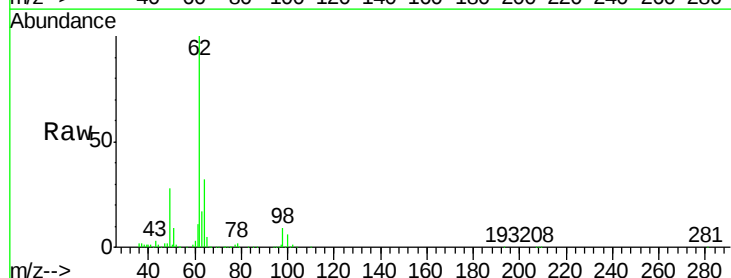
Manual Integrations
APPROVED

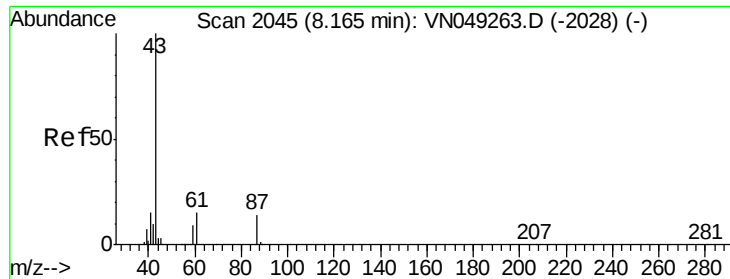
apatel
6/21/2018 12:00:28 PM



#42
1,2-Dichloroethane
Concen: 20.80 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.3	0.0	16.2	





#43

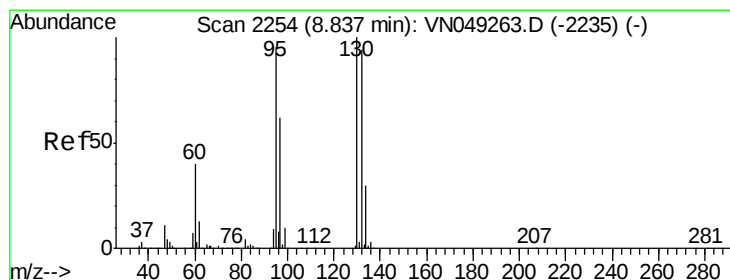
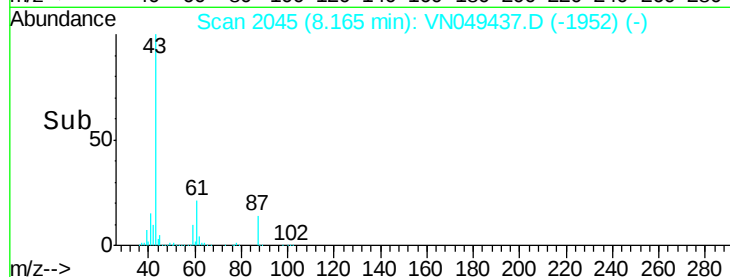
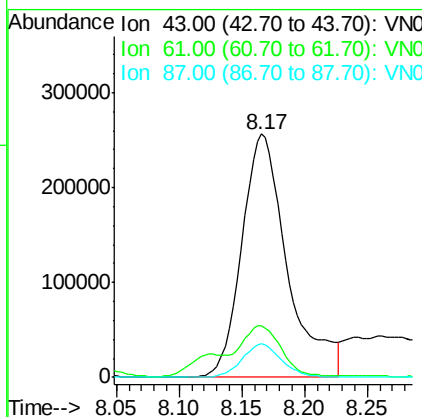
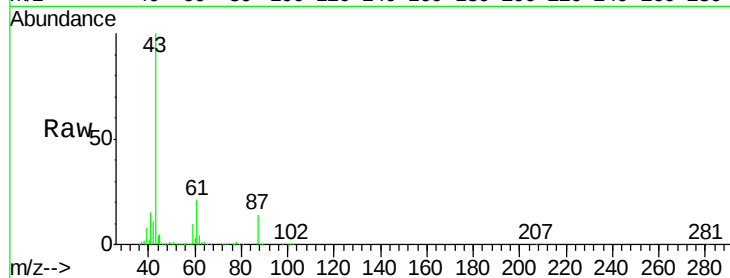
Isopropyl Acetate
 Concen: 24.12 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.4
87	12.0	9.4	14.0

Manual Integrations
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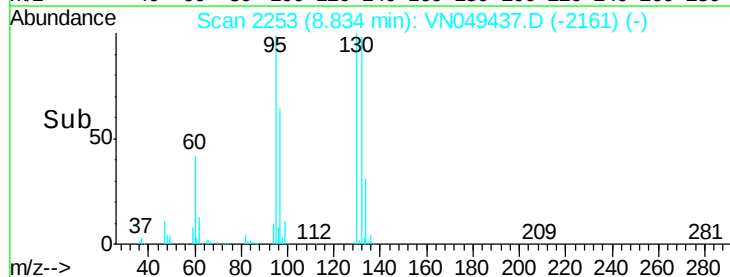
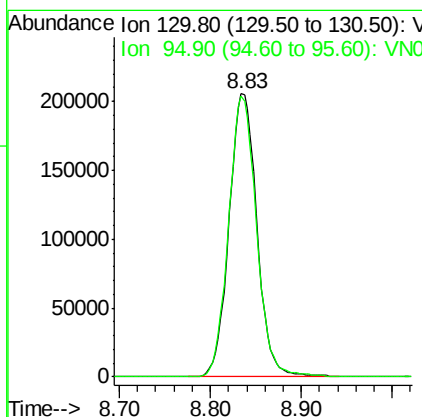
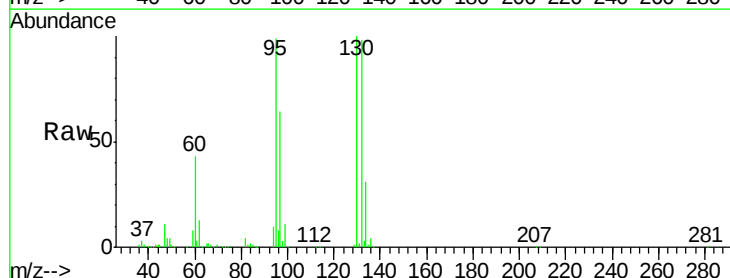
apatel
 6/21/2018 12:00:28 PM



#44

Trichloroethene
 Concen: 20.91 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	208.6





#45

1,2-Dichloropropane

Concen: 20.55 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0620WBS01

Tot Ion: 63 Resp: 426169

Ion Ratio Lower Upper

63 100

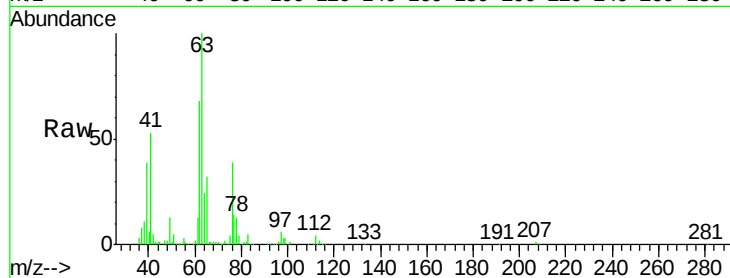
65 32.3 24.8 37.2

Manual Integrations

APPROVED

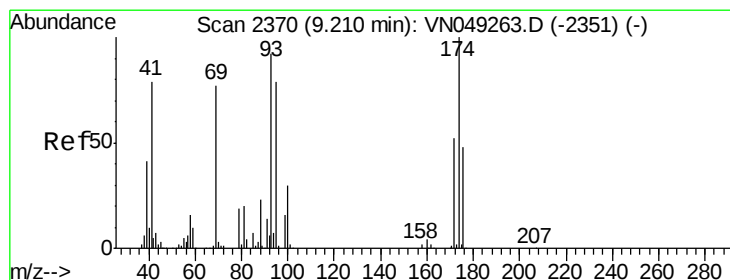
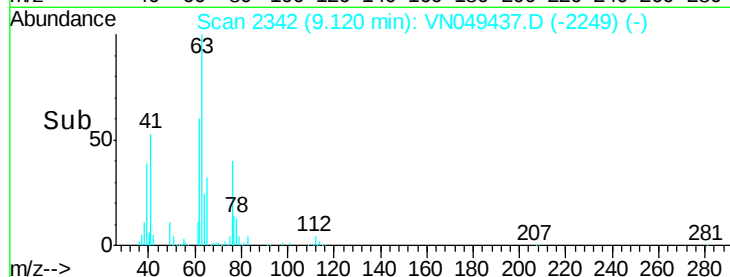
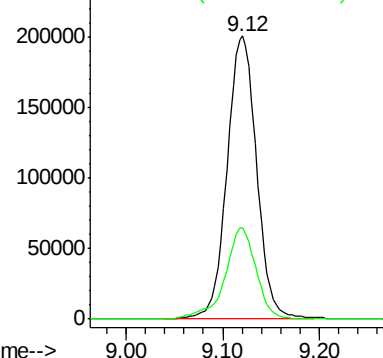
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.89 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

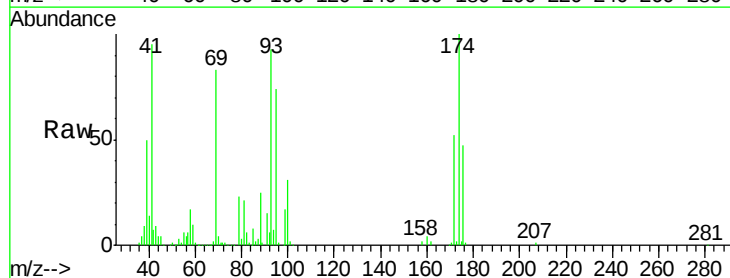
Tgt Ion: 93 Resp: 251228

Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

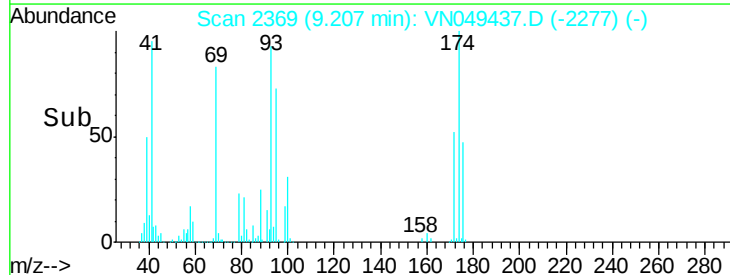
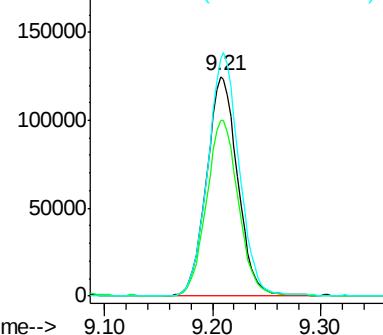
174 111.4 75.6 113.4

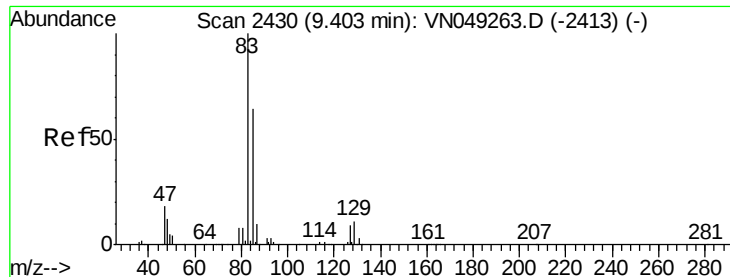


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.98 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

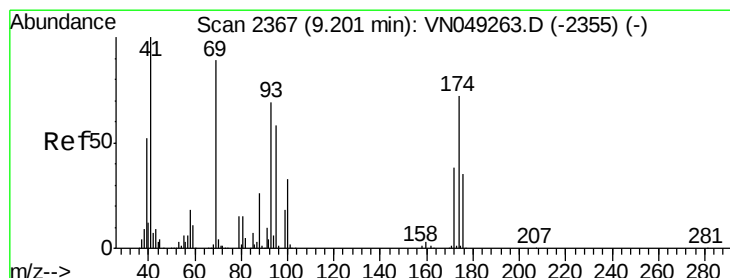
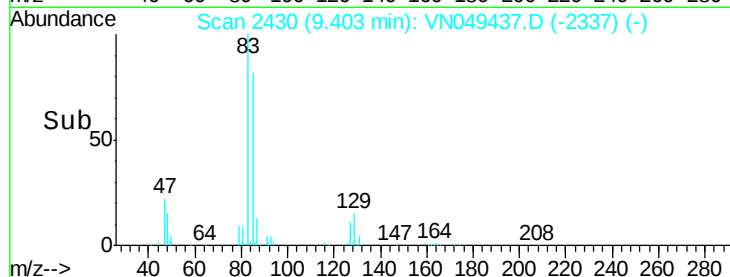
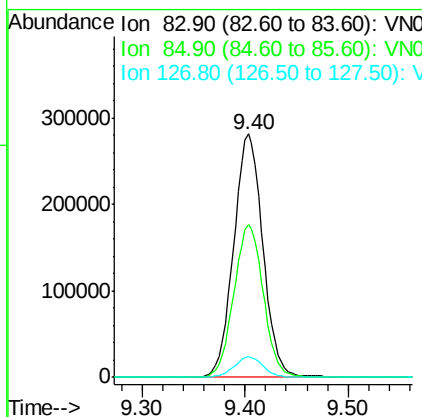
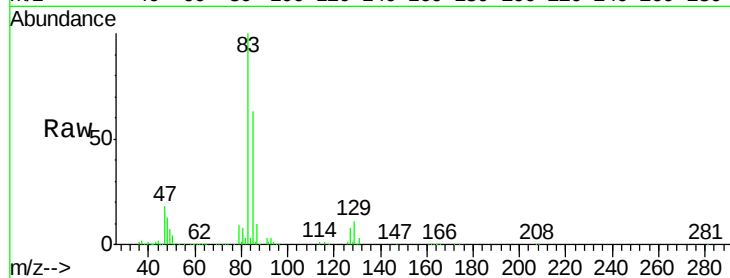
ClientSampleId :

VN0620WBS01

Tot Ion:	83	Resp:	554389
Ion Ratio	Lower	Upper	
83	100		
85	62.9	49.4	74.0
127	8.5	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.16 ug/l

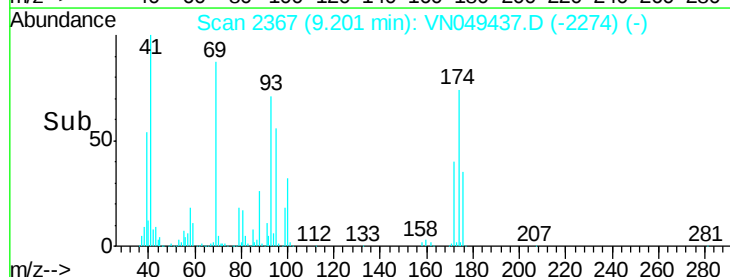
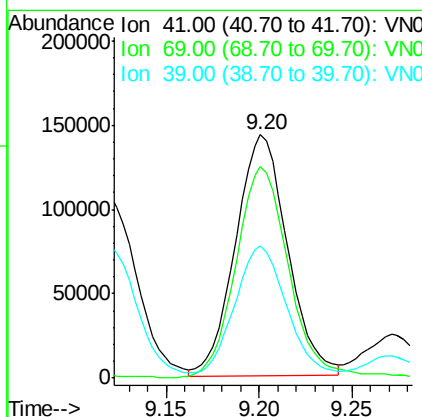
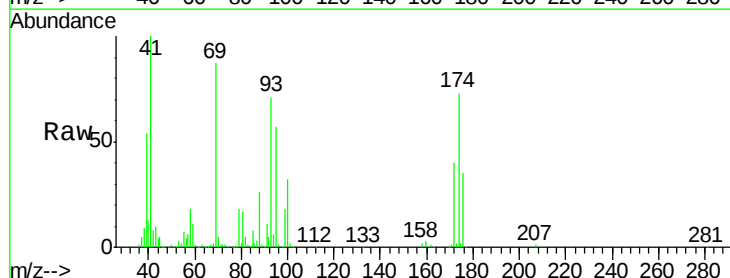
RT: 9.20 min Scan# 2367

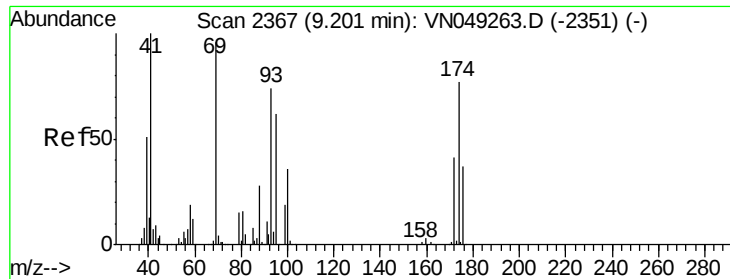
Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	41	Resp:	280052
Ion Ratio	Lower	Upper	
41	100		
69	87.9	62.0	93.0
39	54.9	50.6	75.8





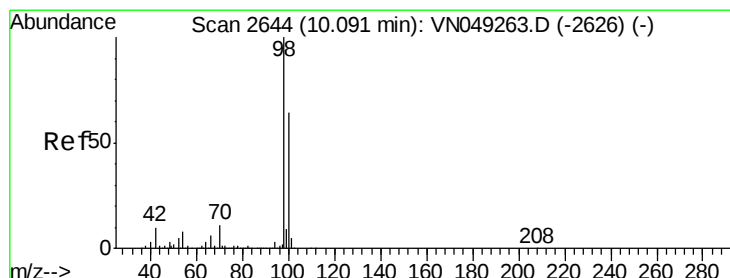
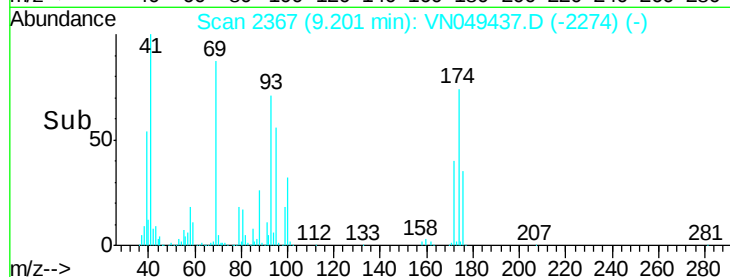
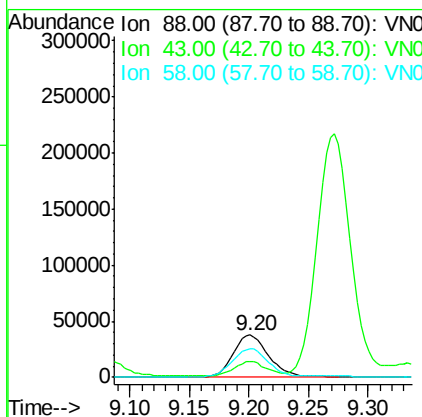
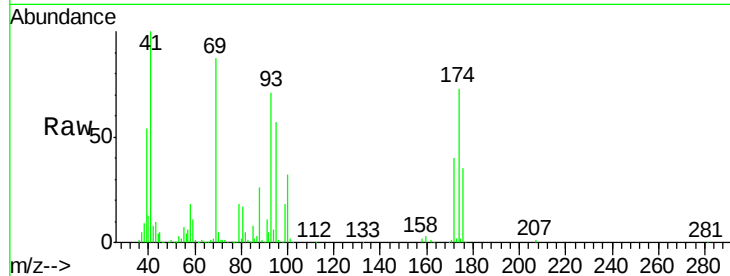
#49
1,4-Dioxane
Concen: 453.64 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	88	Resp	79135
Ion	Ratio	Lower	Upper
88	100		
43	30.9	30.9	46.3#
58	68.8	58.9	88.3

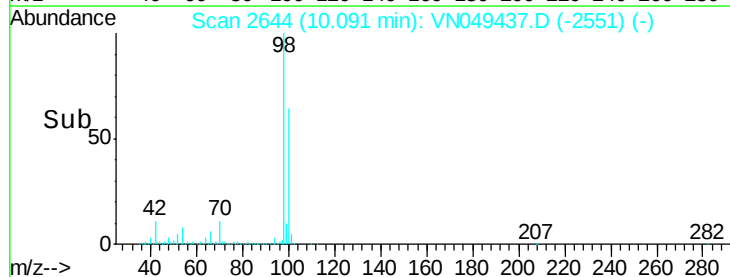
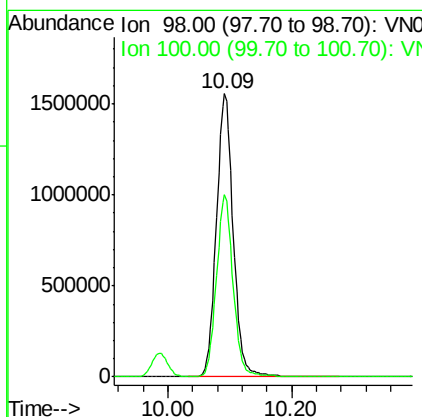
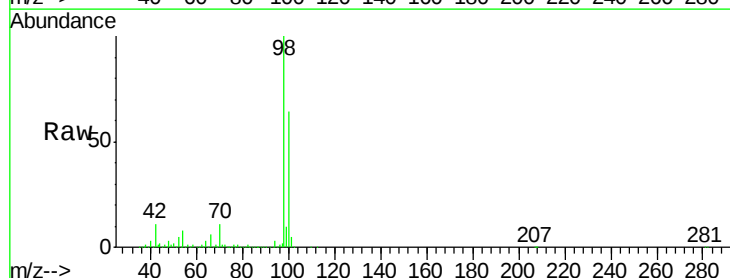
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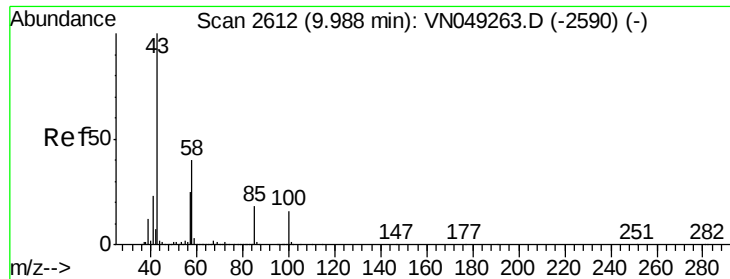
apatel
6/21/2018 12:00:28 PM



#50
Toluene-d8
Concen: 42.33 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	98	Resp	2940240
Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 112.41 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 43 Resp: 1581197

Ion Ratio Lower Upper

43 100

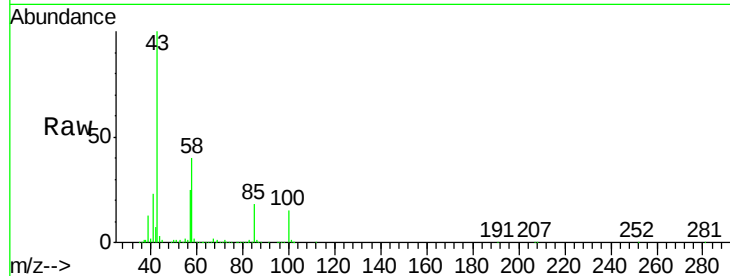
58 39.6 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

400000

200000

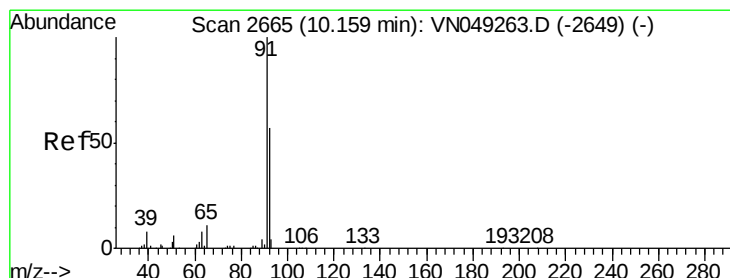
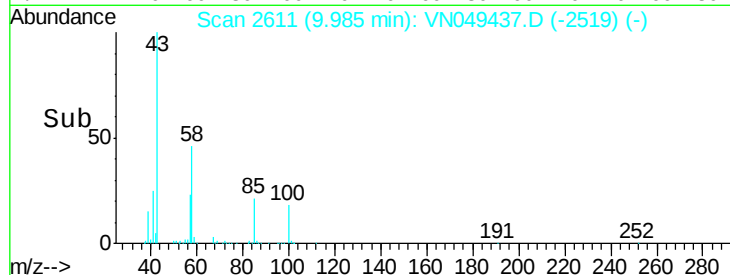
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 21.44 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049437.D

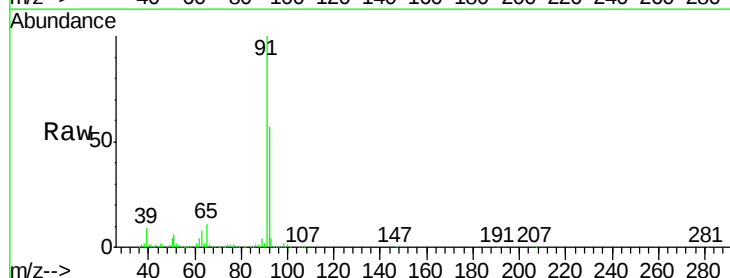
Acq: 20 Jun 2018 15:22

Tgt Ion: 92 Resp: 996759

Ion Ratio Lower Upper

92 100

91 177.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

400000

200000

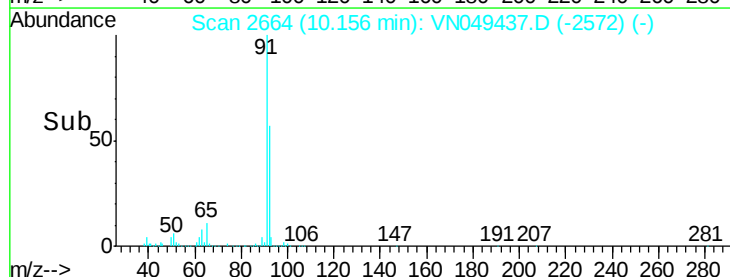
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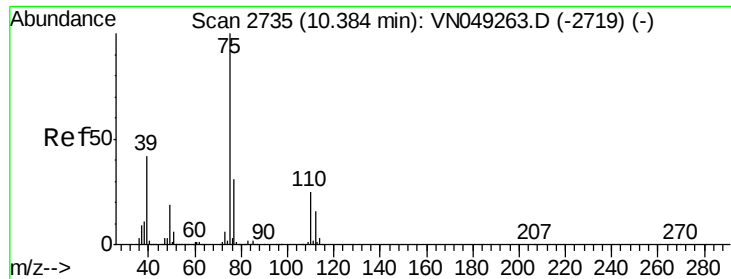
10.10

10.20

10.30

Time-->





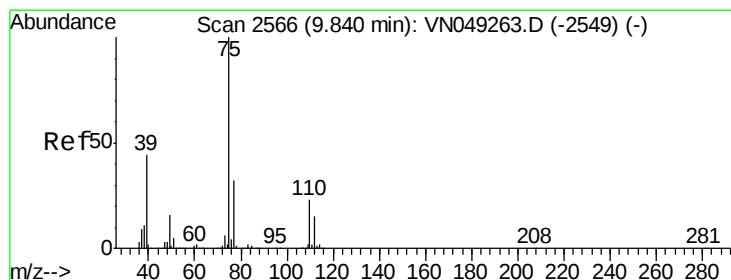
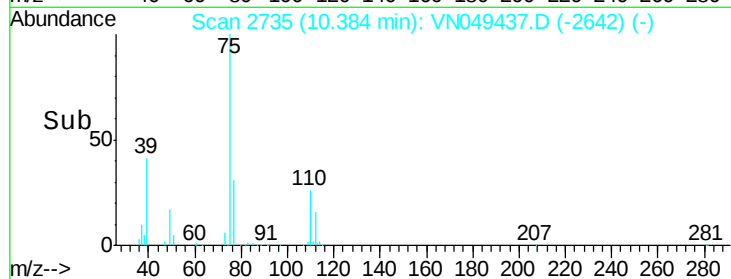
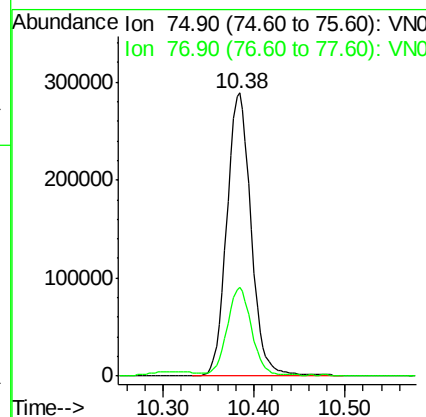
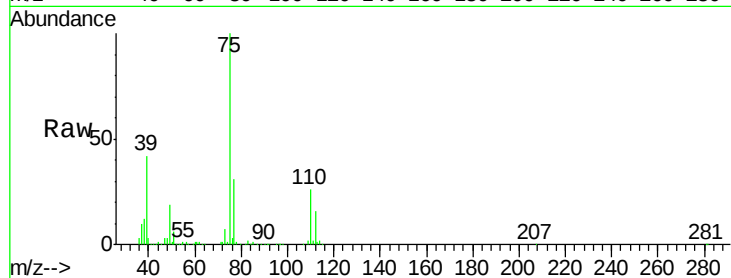
#53
t-1,3-Dichloropropene
Concen: 21.21 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8

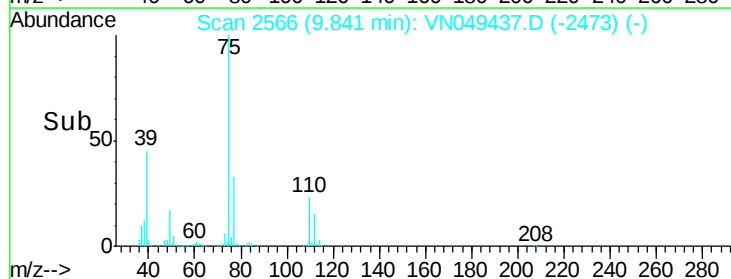
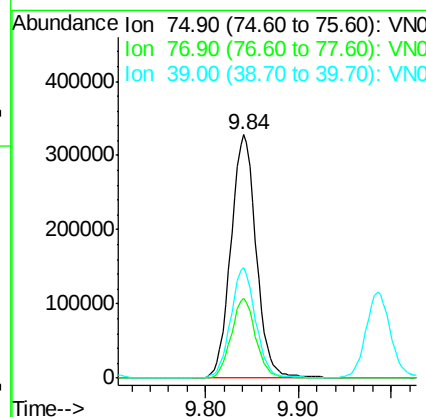
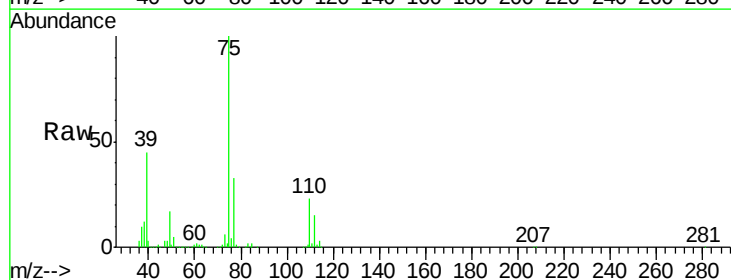
Manual Integrations
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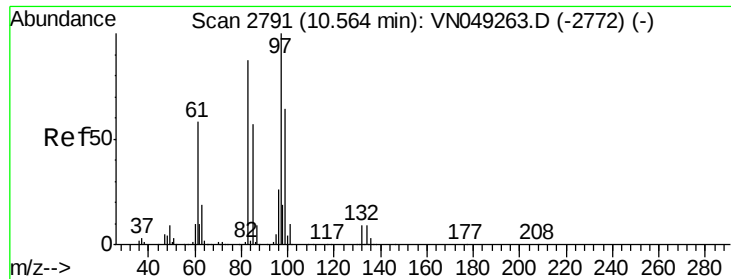
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.84 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.8	37.2
39	45.1	45.1	67.7





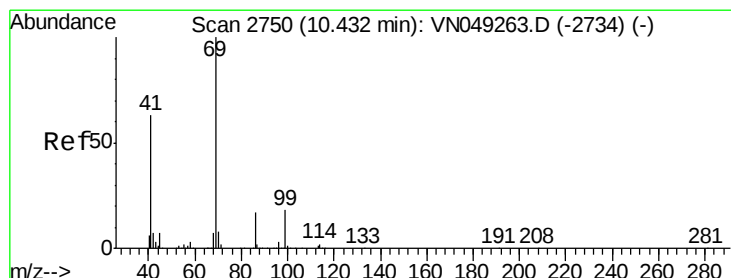
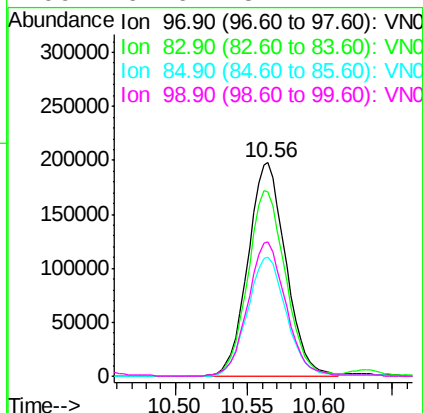
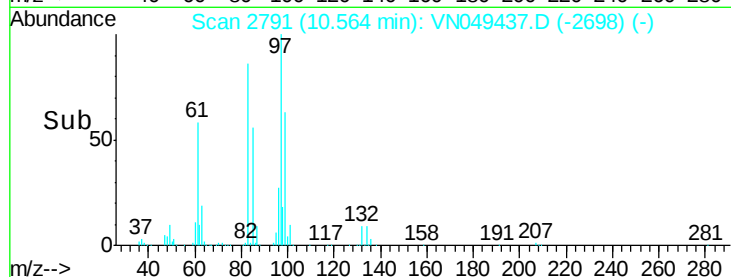
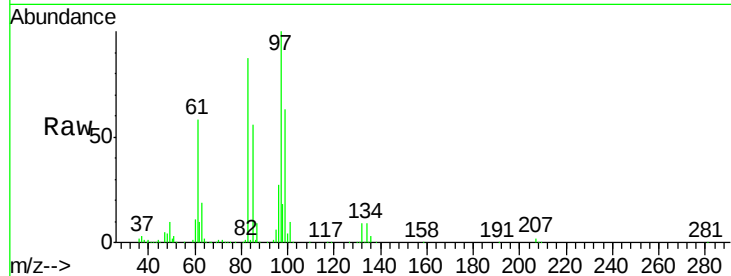
#55
 1,1,2-Trichloroethane
 Concen: 20.70 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0620WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		358832		
83	86.6	71.5	107.3		
85	55.9	47.0	70.4		
99	62.6	51.4	77.2		

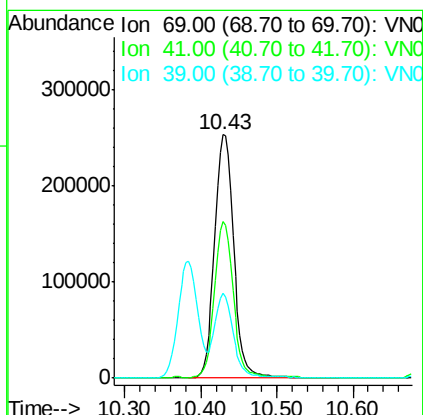
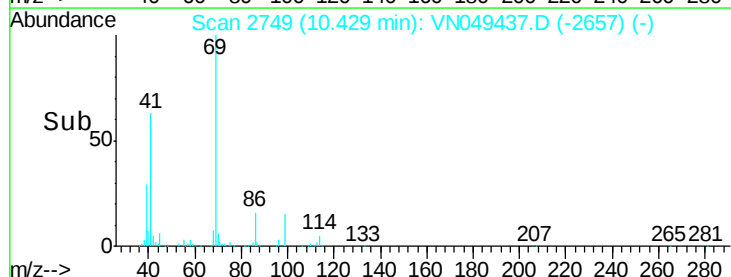
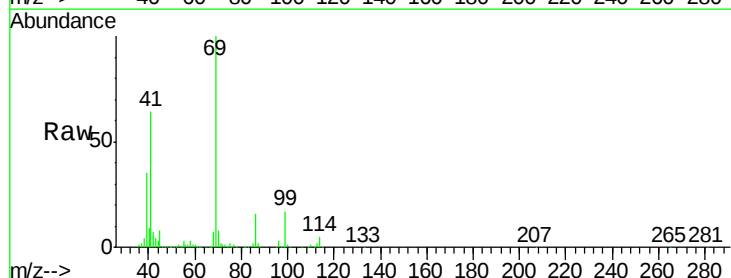
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#56
 Ethyl methacrylate
 Concen: 22.09 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		441772		
41	62.2	58.4	87.6		
39	32.8	35.5	53.3#		





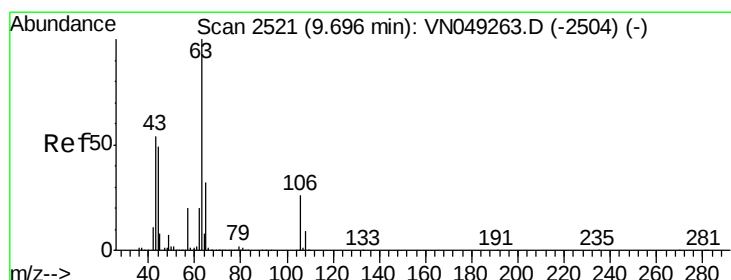
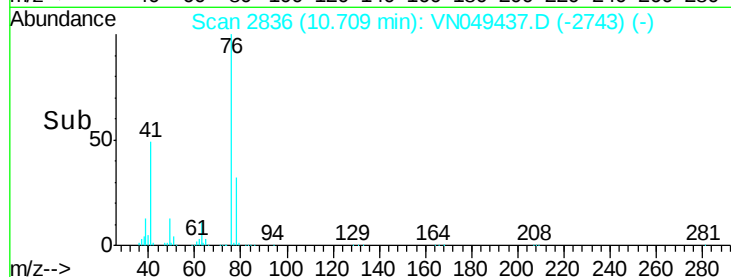
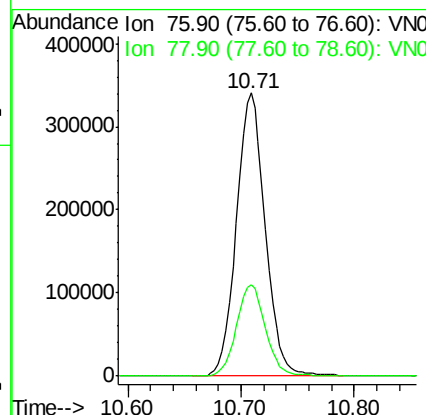
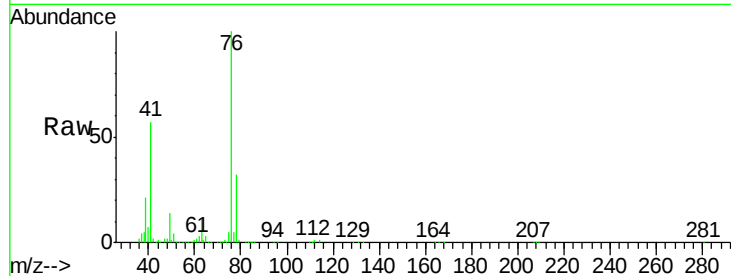
#57
 1,3-Dichloropropane
 Concen: 21.00 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion: 76 Resp: 603027
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5

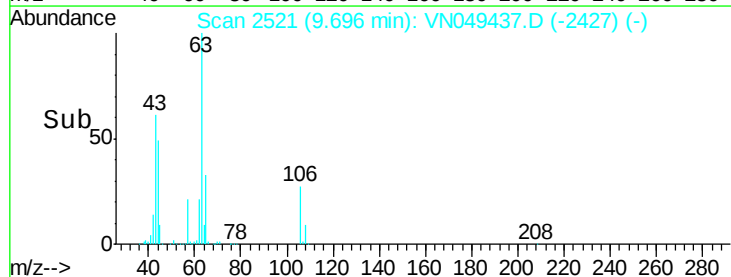
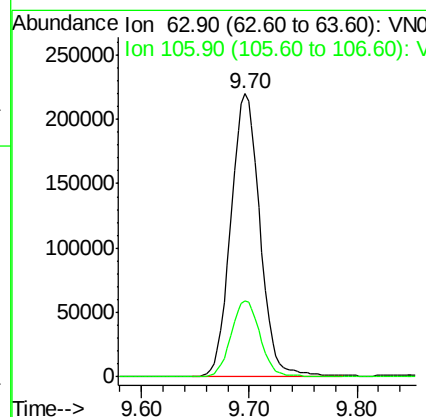
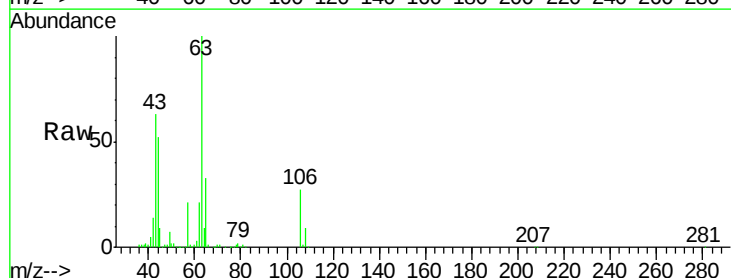
Manual Integrations
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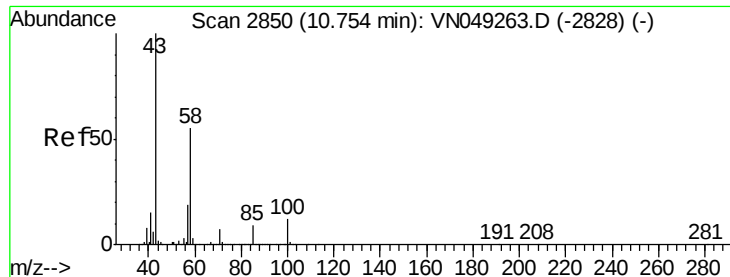
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 68.95 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 63 Resp: 414270
 Ion Ratio Lower Upper
 63 100
 106 27.0 19.4 29.2





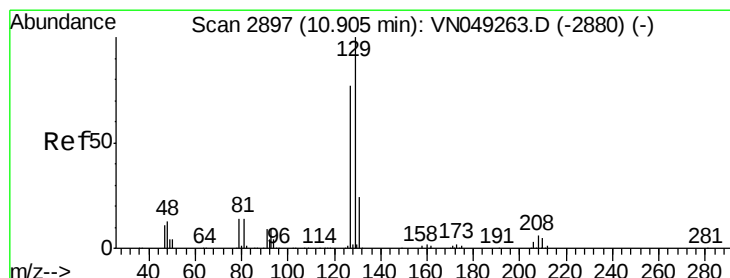
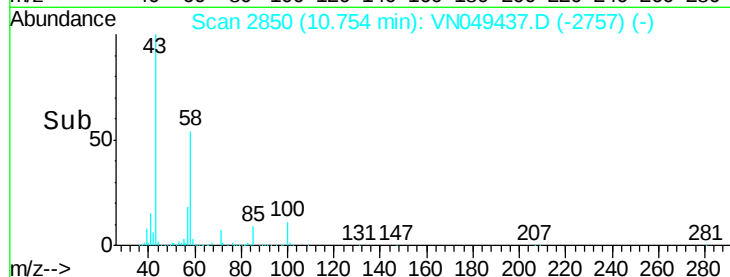
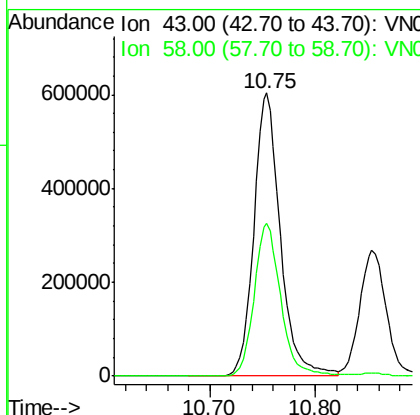
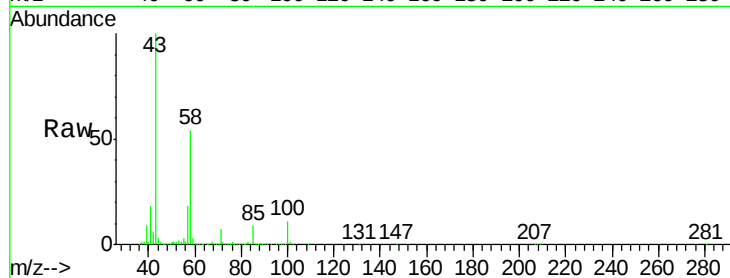
#59
2-Hexanone
Concen: 115.84 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion: 43 Resp: 1050582
Ion Ratio Lower Upper
43 100
58 54.5 25.2 75.6

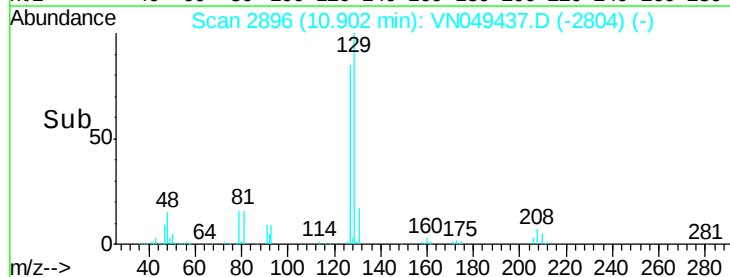
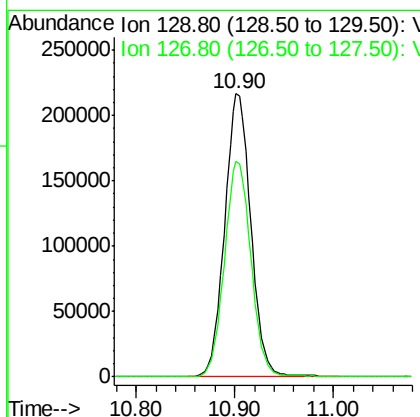
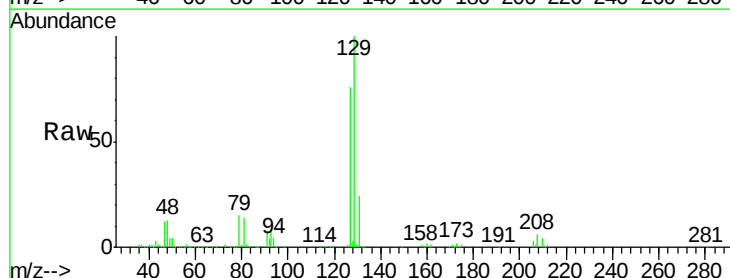
Manual Integrations
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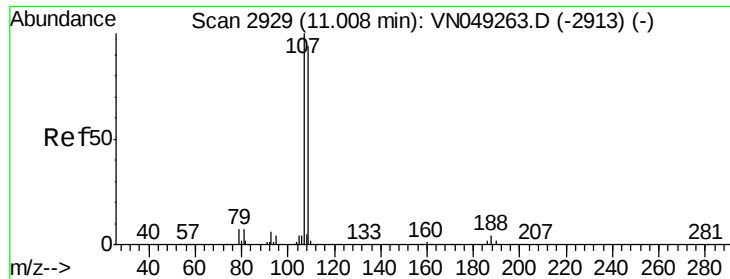
apatel
6/21/2018 12:00:28 PM



#60
Dibromochloromethane
Concen: 20.77 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 129 Resp: 401903
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





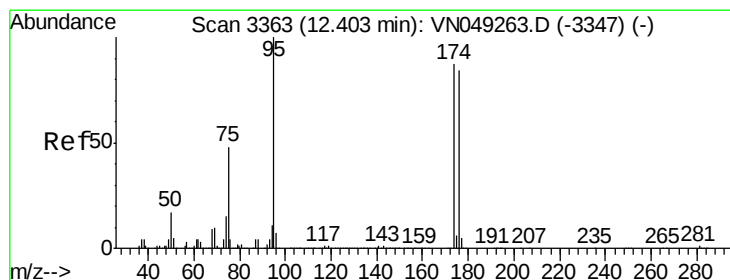
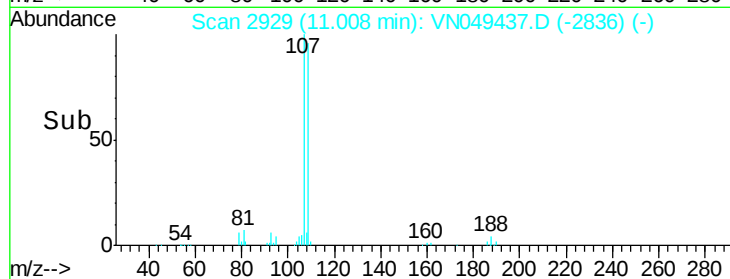
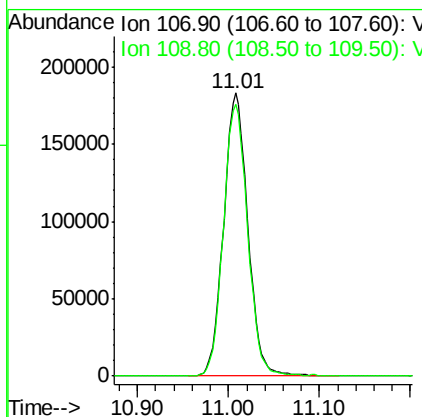
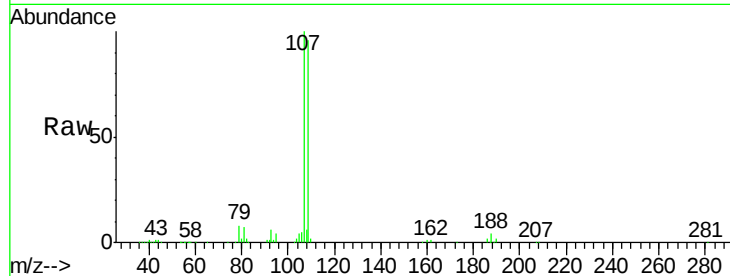
#61
 1,2-Dibromoethane
 Concen: 21.05 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.2

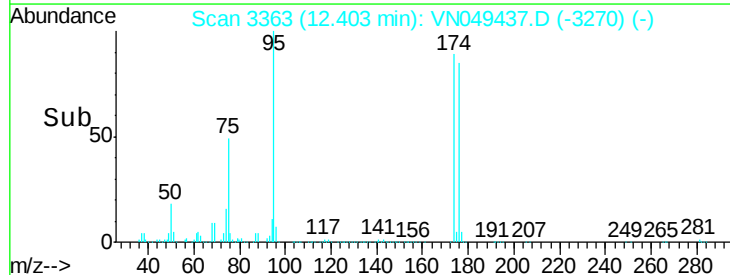
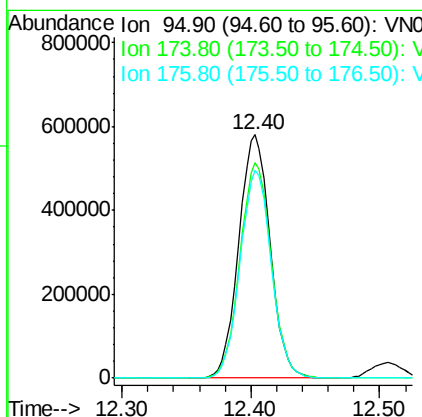
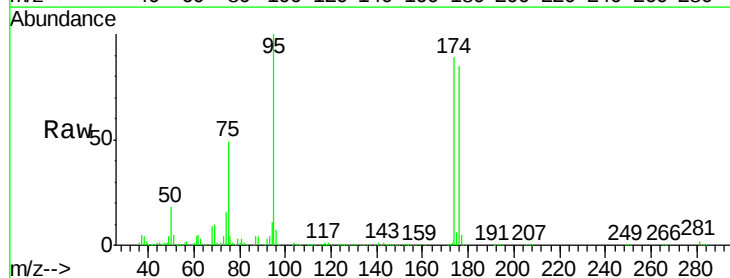
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 42.79 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	165.6
176	84.9	0.0	157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion:117 Resp: 2028497

Ion Ratio Lower Upper

117 100

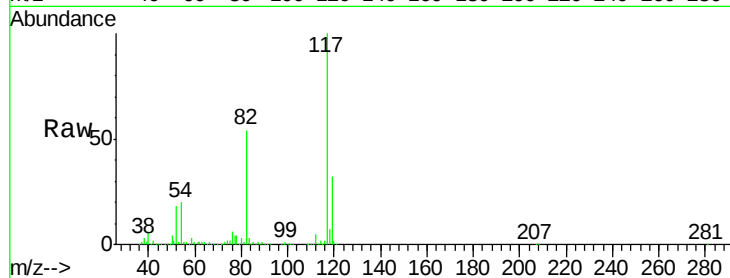
82 53.5 45.9 68.9

119 32.1 25.5 38.3

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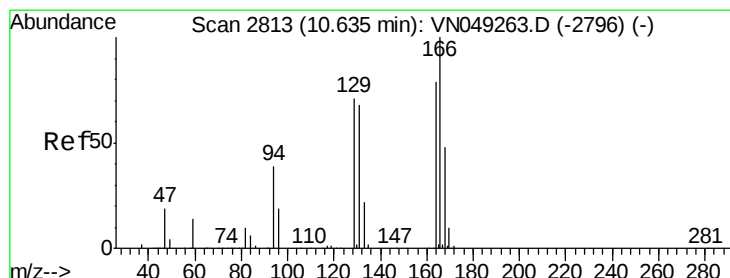
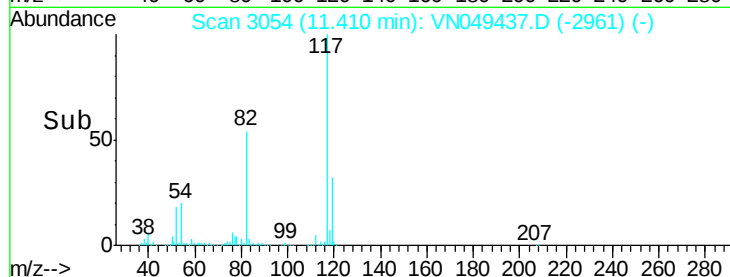
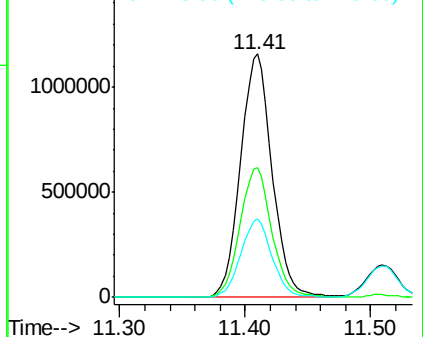


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 23.03 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:164 Resp: 478747

Ion Ratio Lower Upper

164 100

166 128.3 101.4 152.2

129 88.8 74.1 111.1

131 87.8 73.7 110.5

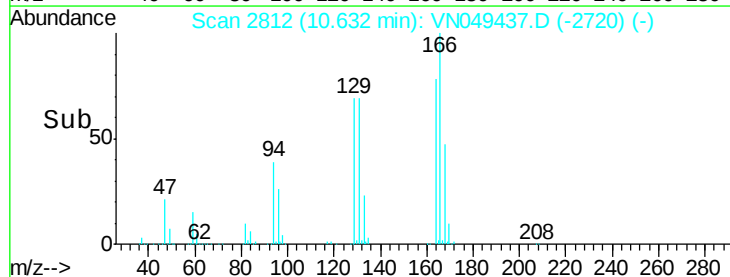
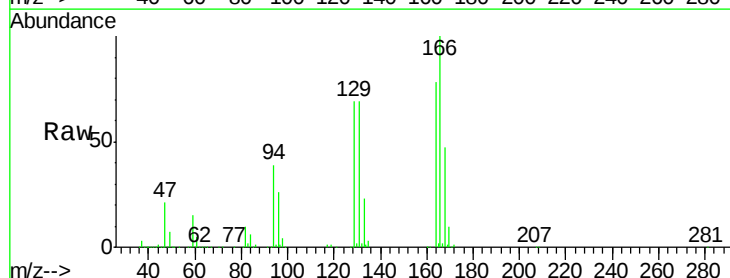
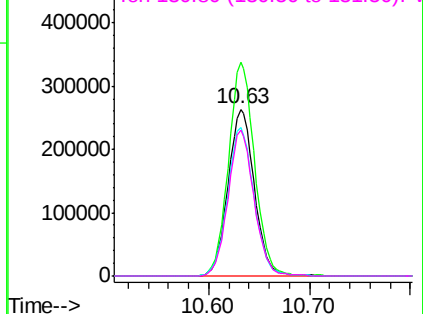
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.63 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion:112 Resp: 1078232

Ion Ratio Lower Upper

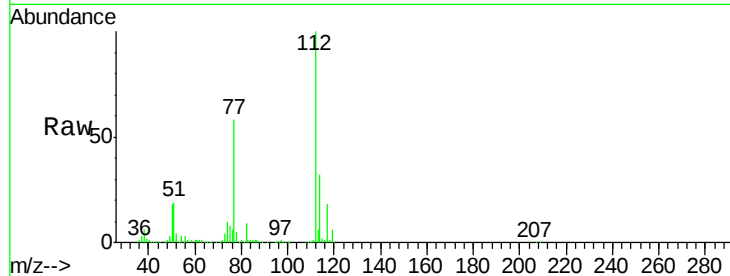
112 100

114 32.3 26.2 39.4

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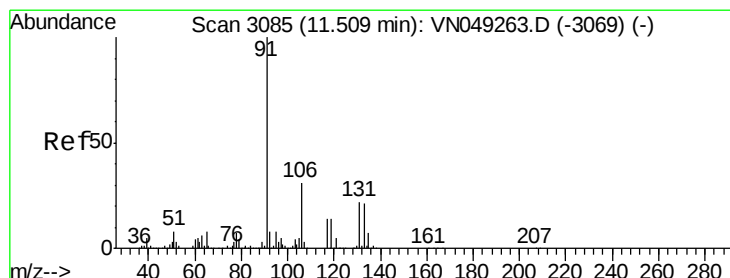
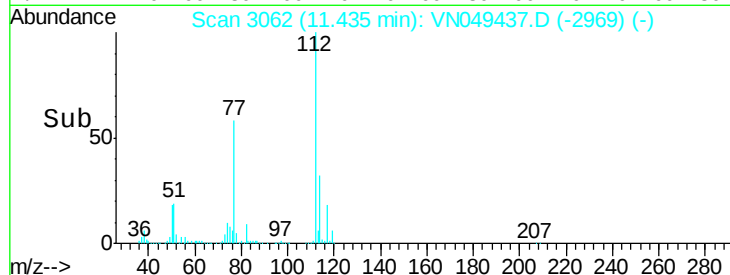
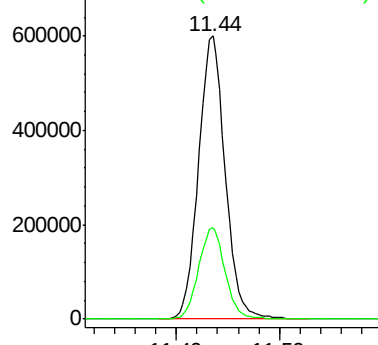
apatel

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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: 20.51 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

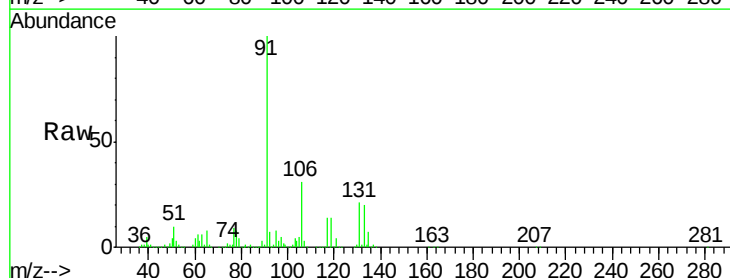
Tgt Ion:131 Resp: 403289

Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.2

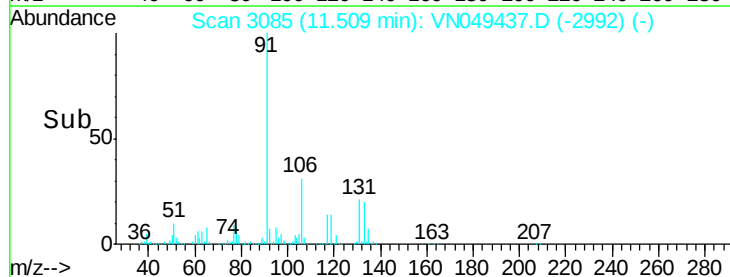
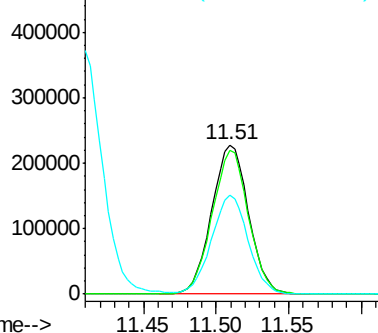
119 66.3 33.6 100.8

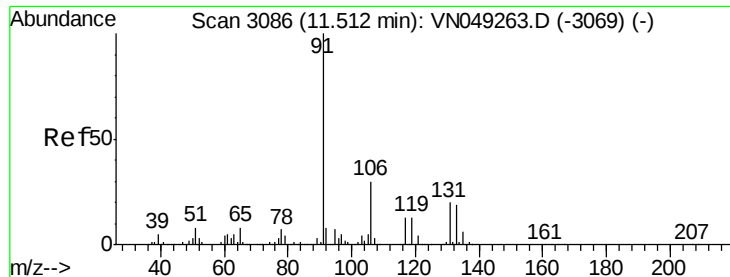


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





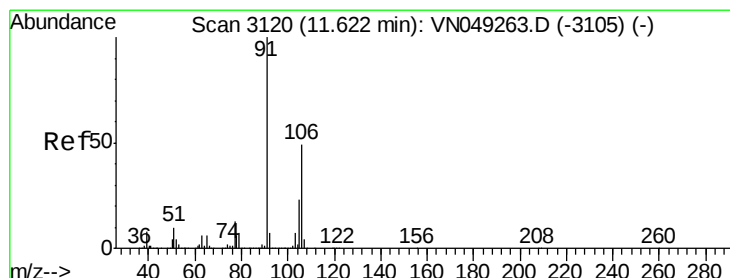
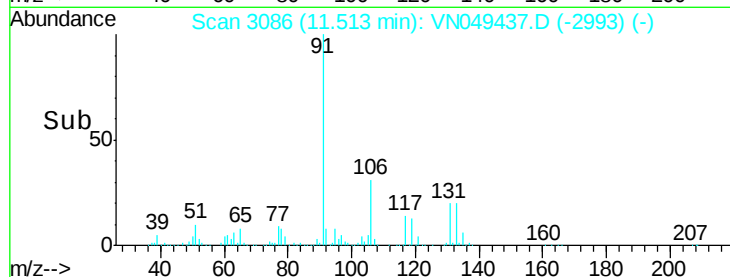
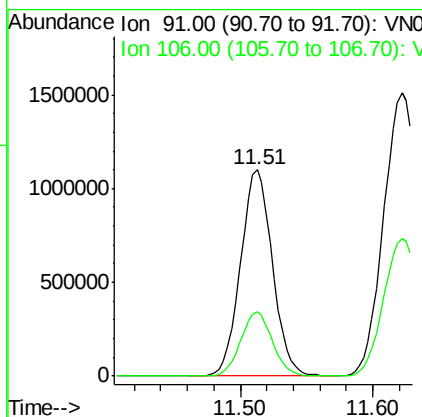
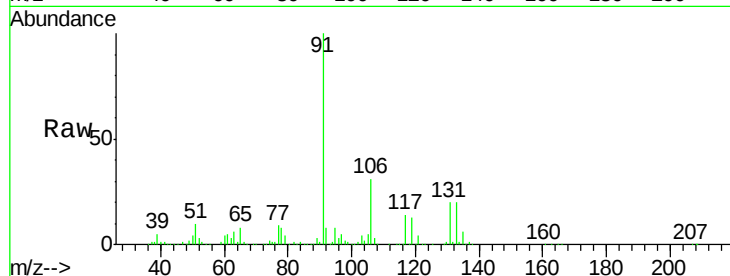
#67
Ethyl Benzene
Concen: 21.19 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion: 91 Resp: 1836634
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9

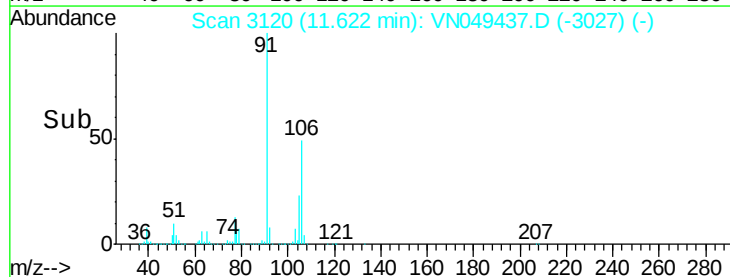
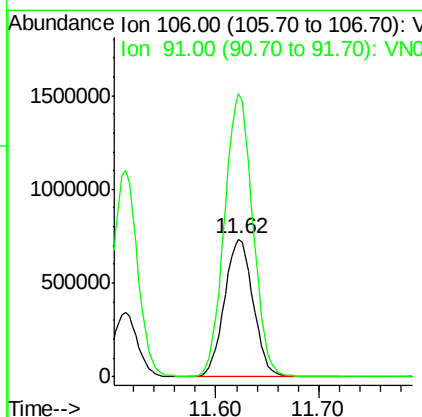
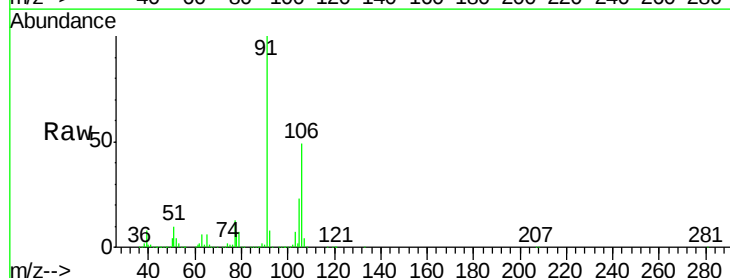
Manual Integrations
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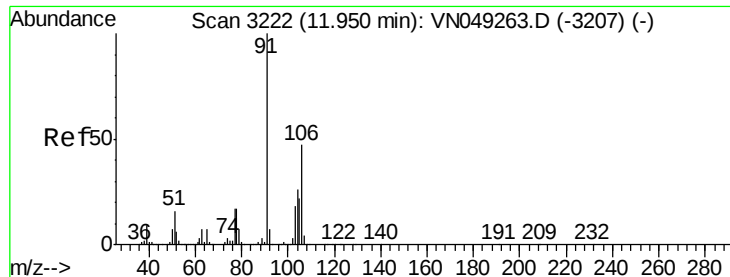
apatel
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#68
m/p-Xylenes
Concen: 43.81 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 106 Resp: 1425021
Ion Ratio Lower Upper
106 100
91 203.4 167.3 250.9





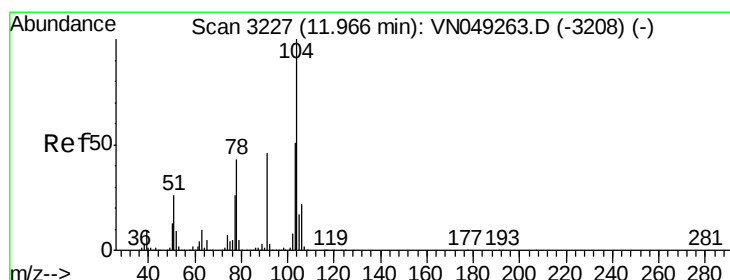
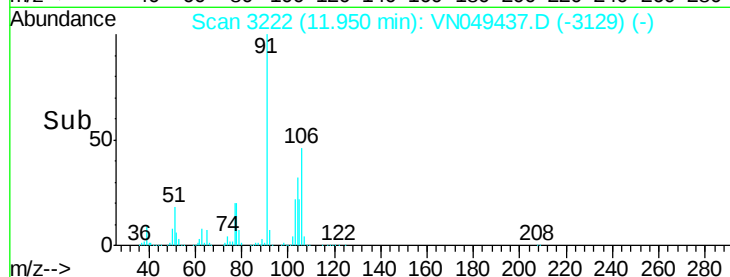
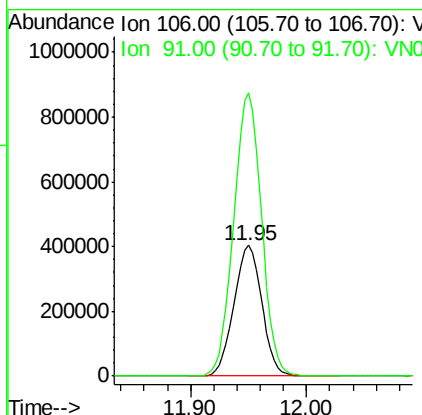
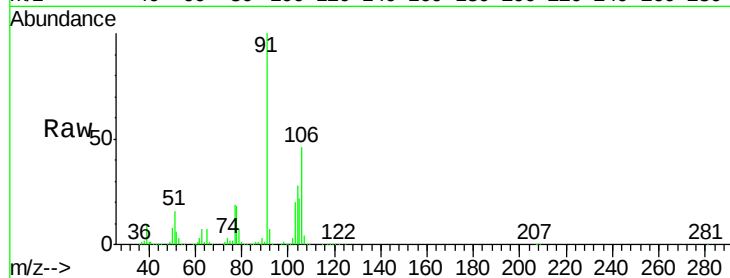
#69
o-Xylene
Concen: 21.42 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBS01

Tot Ion:106 Resp: 670994
Ion Ratio Lower Upper
106 100
91 215.8 111.0 333.0

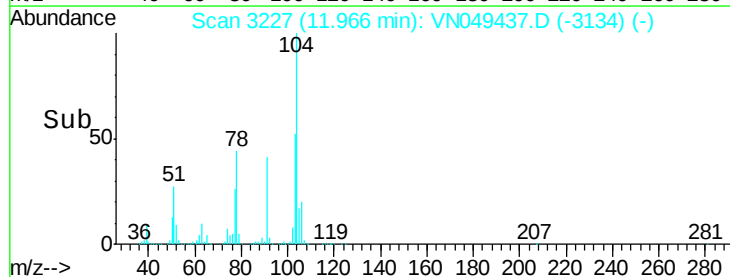
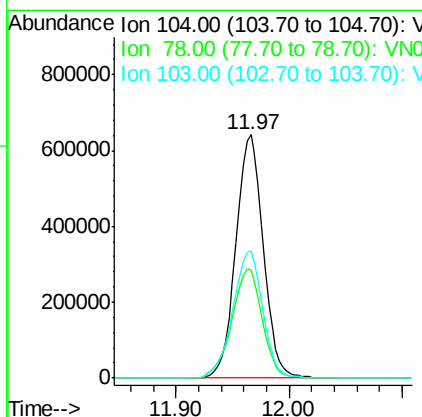
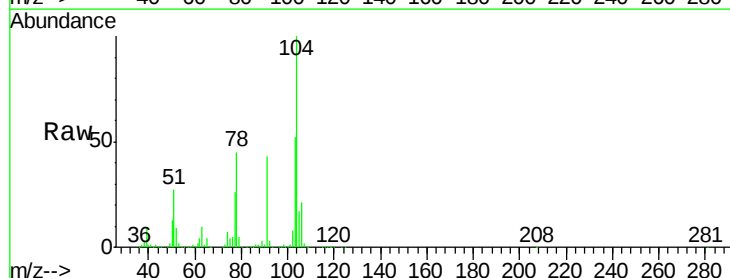
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#70
Styrene
Concen: 21.98 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion:104 Resp: 1086393
Ion Ratio Lower Upper
104 100
78 49.7 41.6 62.4
103 56.9 45.4 68.2





#71

Bromoform

Concen: 21.17 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

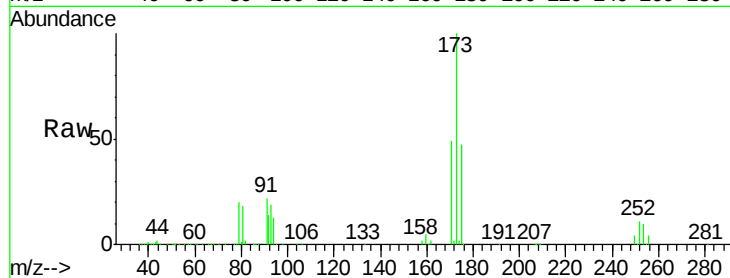
ClientSampleId :

VN0620WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
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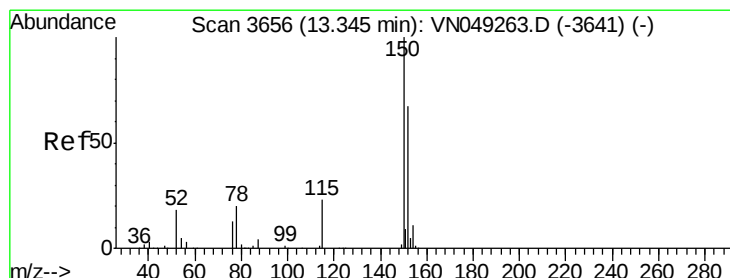
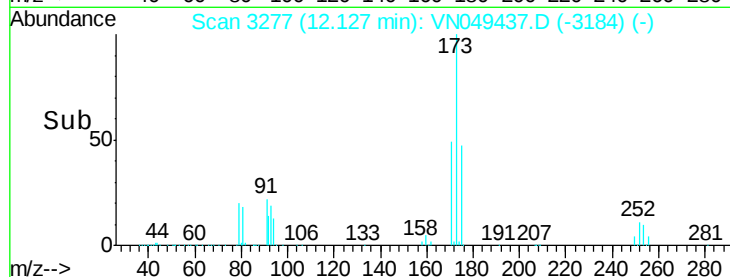
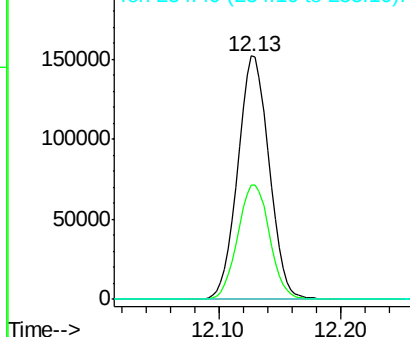


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

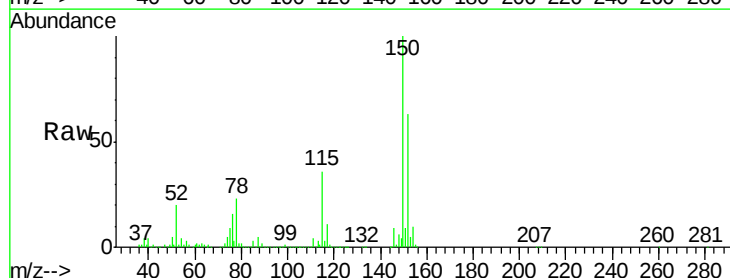
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.7	86.1
150	163.8	0.0	351.0

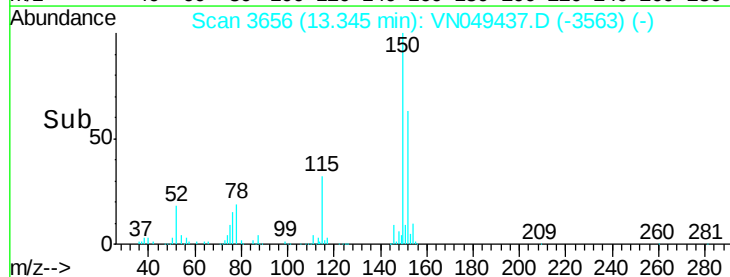
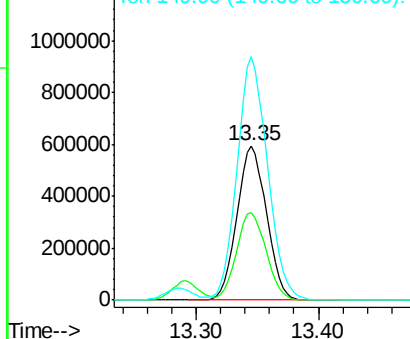


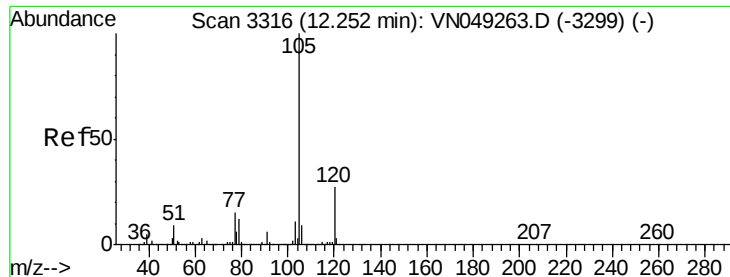
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.78 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion:105 Resp: 1803372

Ion Ratio Lower Upper

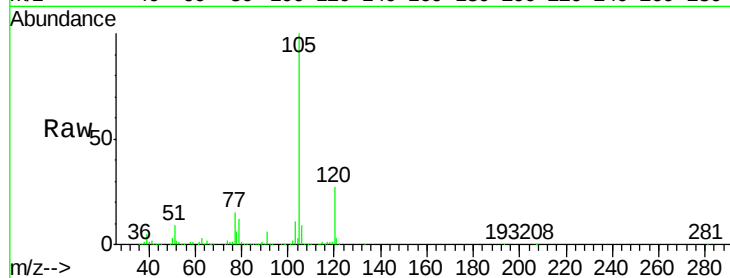
105 100

120 26.3 12.8 38.3

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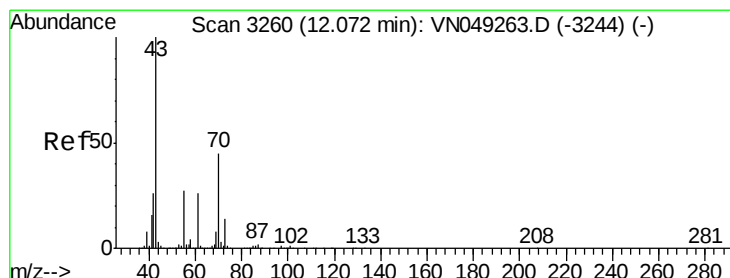
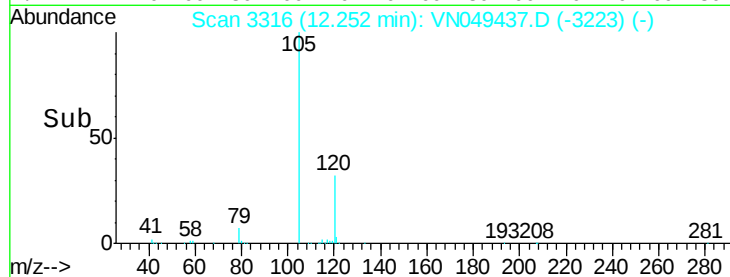
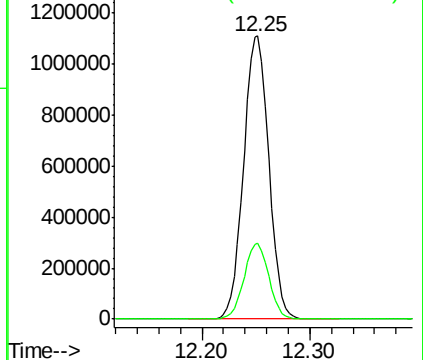
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.96 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion: 43 Resp: 445458

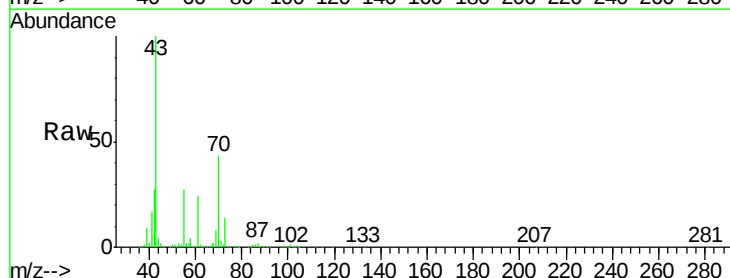
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 27.8 19.4 29.2

61 24.6 17.8 26.6

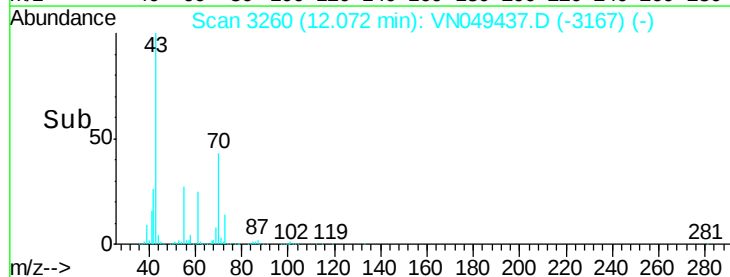
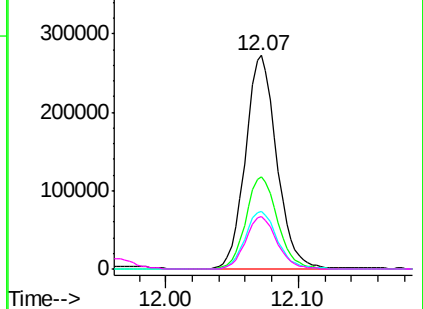


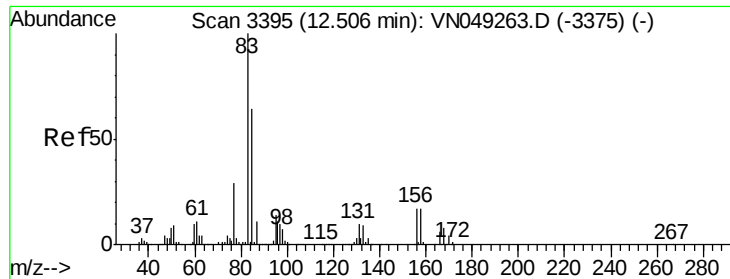
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 83 Resp: 408299

Ion Ratio Lower Upper

83 100

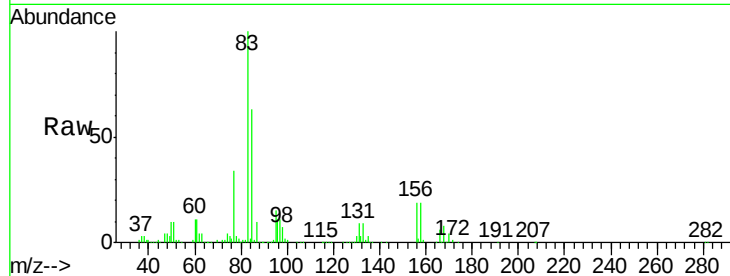
131 9.8 5.0 15.0

85 63.7 32.0 96.0

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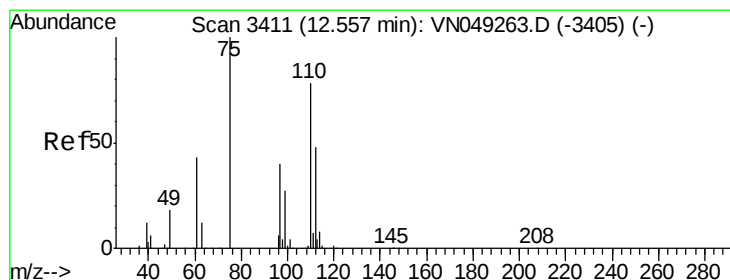
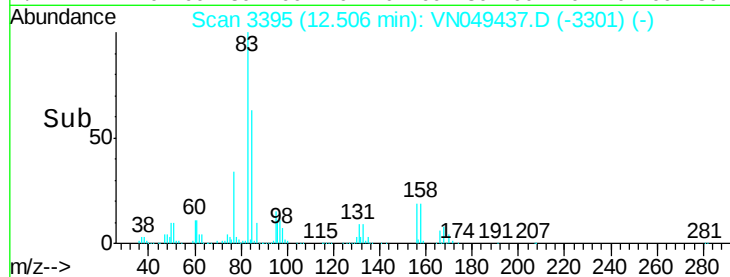
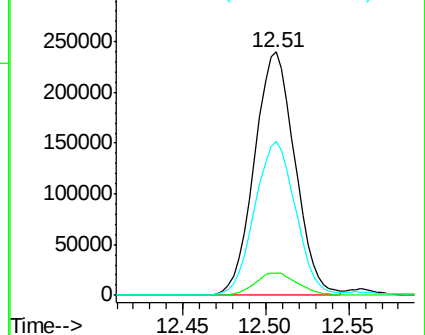
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.15 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049437.D

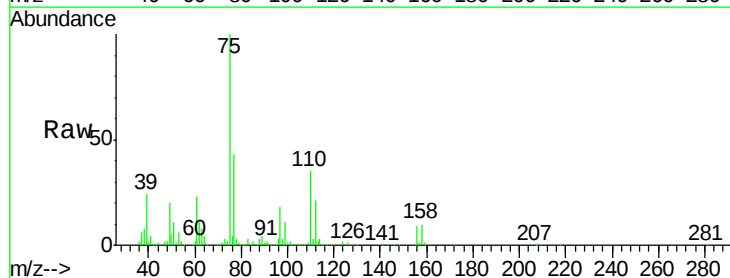
Acq: 20 Jun 2018 15:22

Tgt Ion: 75 Resp: 339787

Ion Ratio Lower Upper

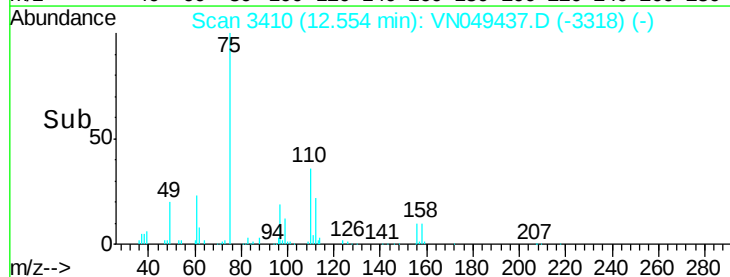
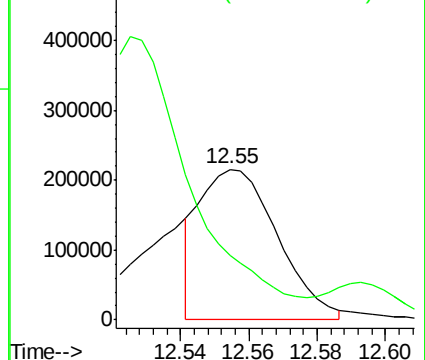
75 100

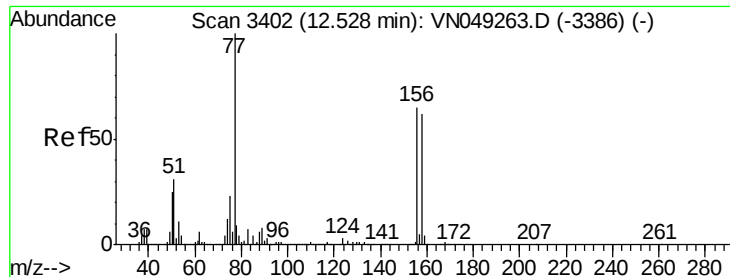
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.58 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0620WBS01

Tot Ion:156 Resp: 448760

Ion Ratio Lower Upper

156 100

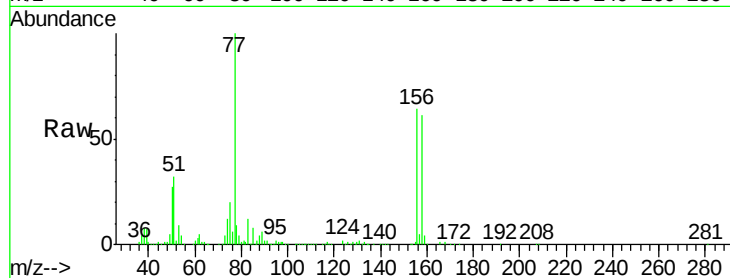
77 184.4 100.8 302.4

158 97.3 49.3 147.9

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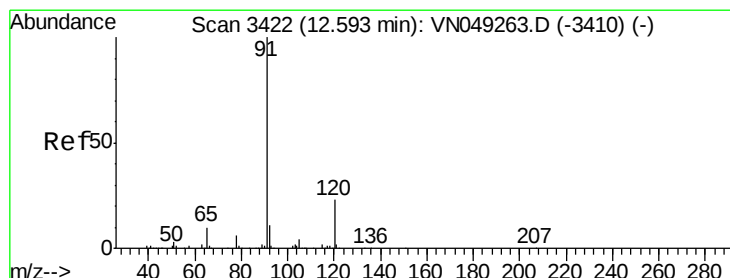
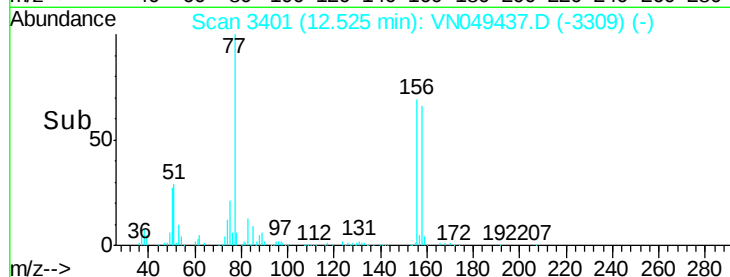
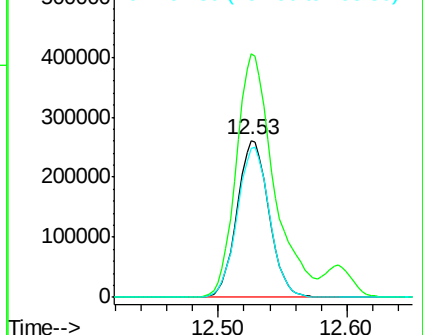
6/21/2018 12:00:28 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.40 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049437.D

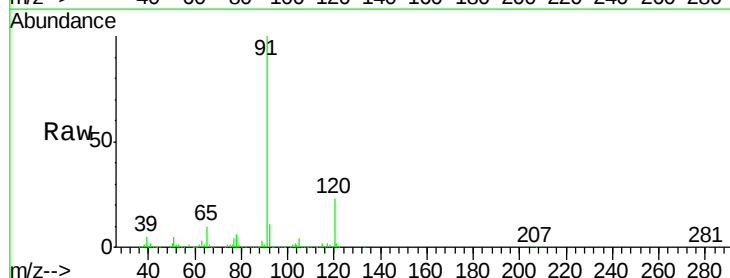
Acq: 20 Jun 2018 15:22

Tgt Ion: 91 Resp: 2038749

Ion Ratio Lower Upper

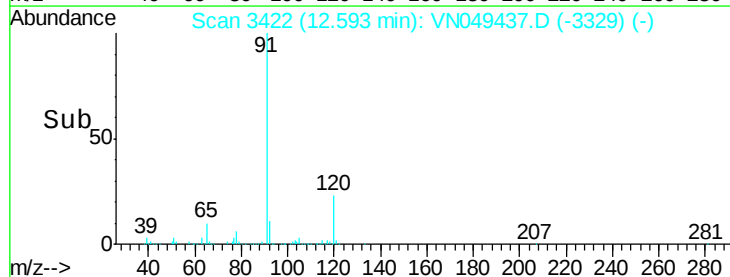
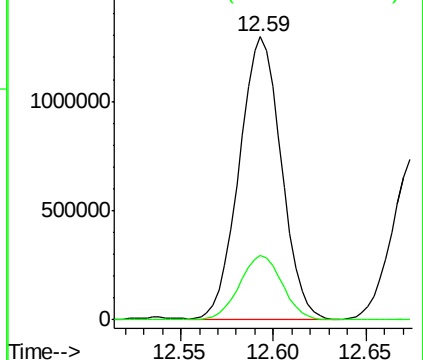
91 100

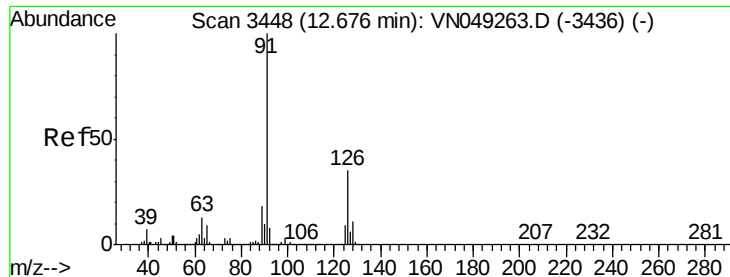
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.72 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion: 91 Resp: 1251163

Ion Ratio Lower Upper

91 100

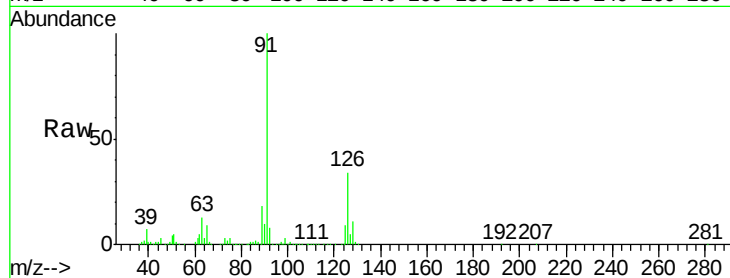
126 34.4 16.6 49.8

Manual Integrations

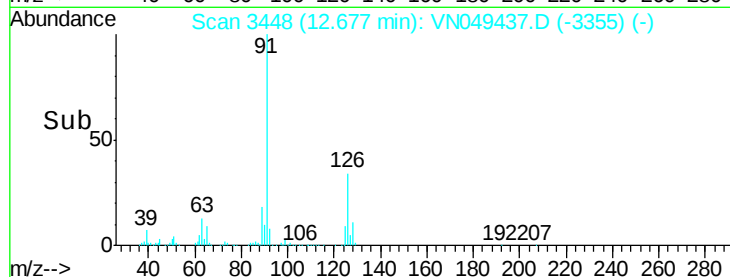
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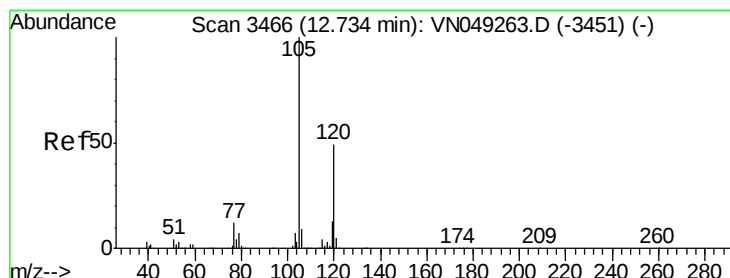
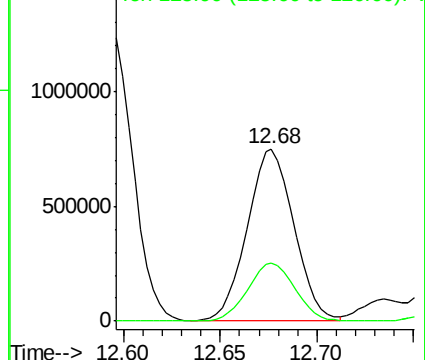
6/21/2018 12:00:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)



Ion 125.90 (125.60 to 126.60): VN049437.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.57 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049437.D

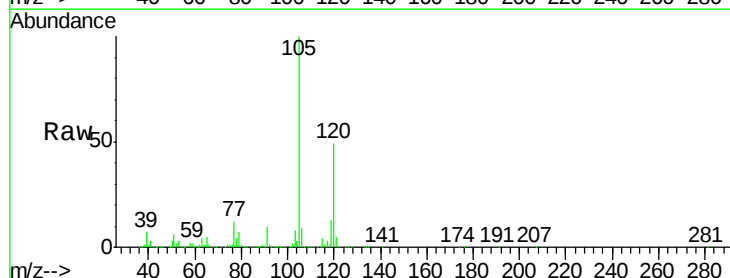
Acq: 20 Jun 2018 15:22

Tgt Ion: 105 Resp: 1471601

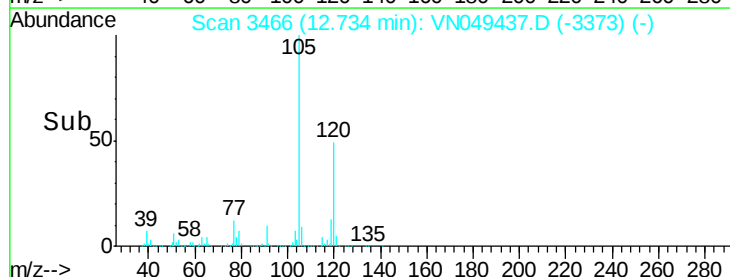
Ion Ratio Lower Upper

105 100

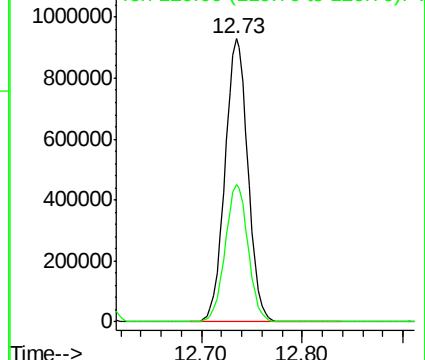
120 48.7 23.5 70.5

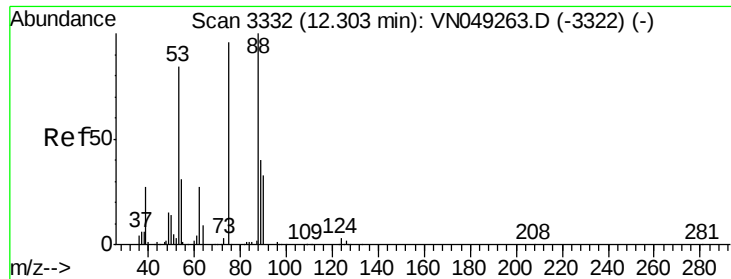


Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)



Ion 120.00 (119.70 to 120.70): VN049437.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

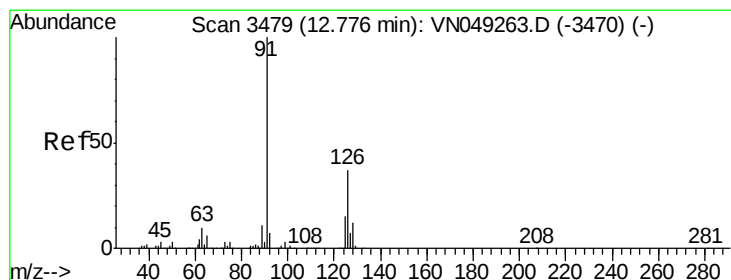
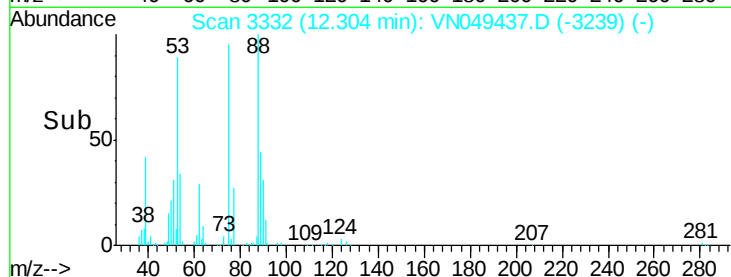
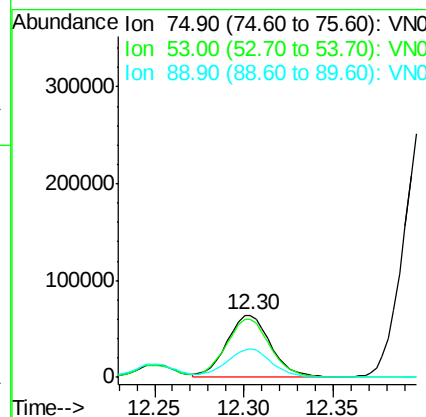
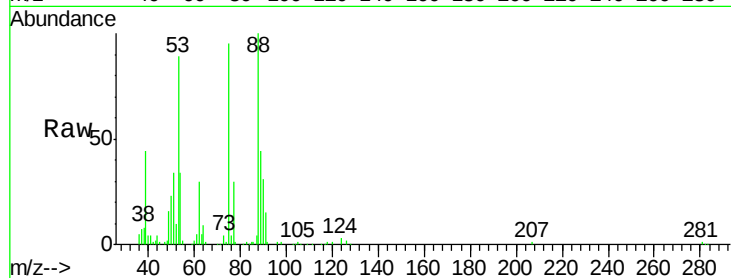
ClientSampleId :

VN0620WBS01

Tot Ion:	75	Resp:	108461
Ion Ratio	Lower	Upper	
75	100		
53	95.1	82.7	124.1
89	46.5	36.5	54.7

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#82

4-Chlorotoluene

Concen: 21.41 ug/l

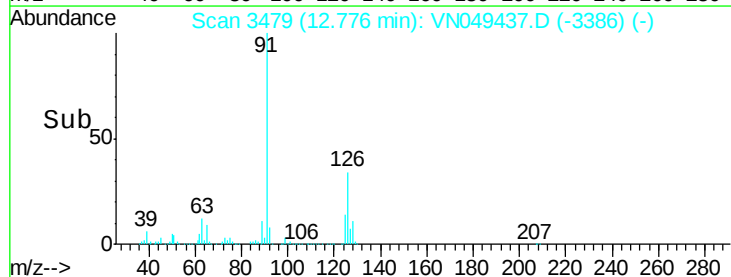
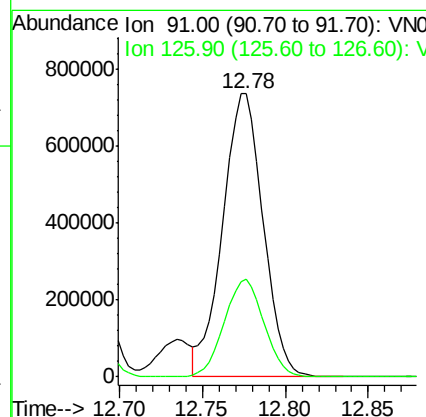
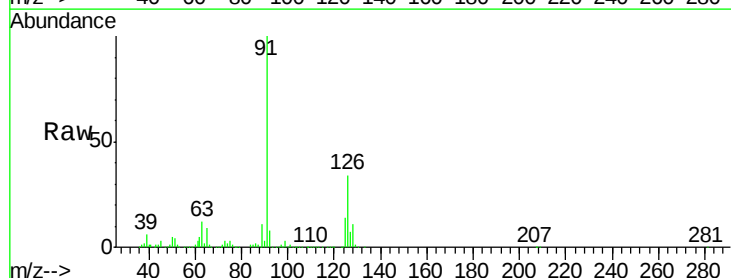
RT: 12.78 min Scan# 3479

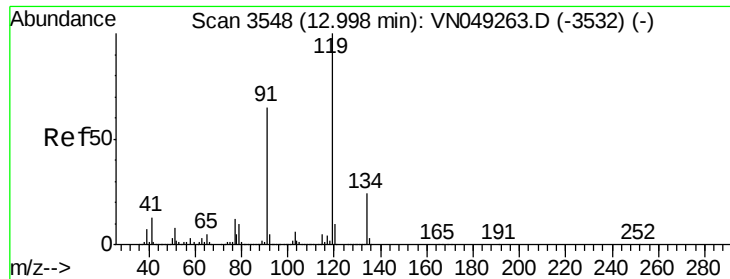
Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	91	Resp:	1247284
Ion Ratio	Lower	Upper	
91	100		
126	34.0	16.4	49.1





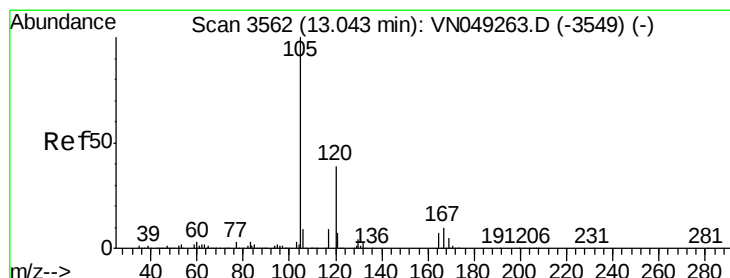
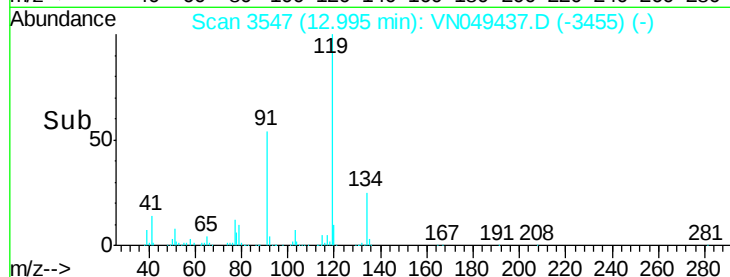
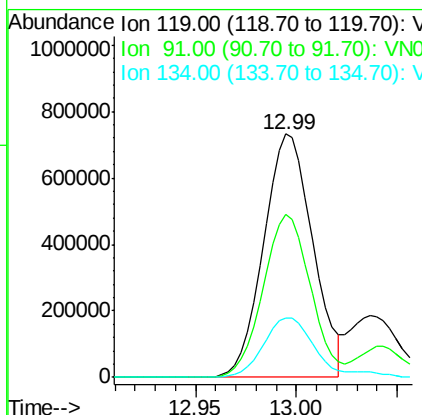
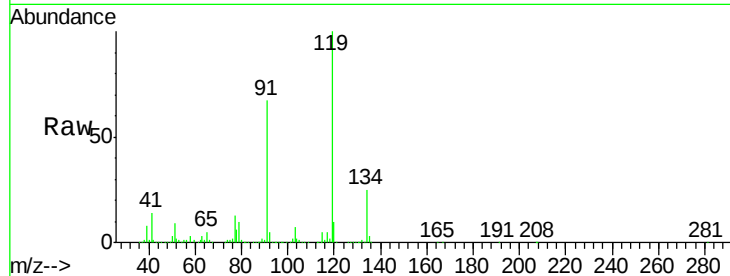
#83
 tert-Butylbenzene
 Concen: 20.48 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion:119 Resp: 1237808
 Ion Ratio Lower Upper
 119 100
 91 64.9 33.7 101.0
 134 26.3 12.9 38.6

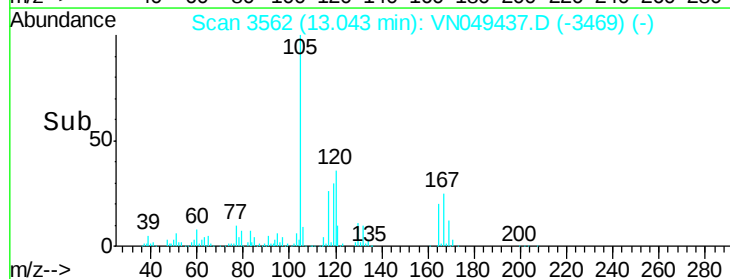
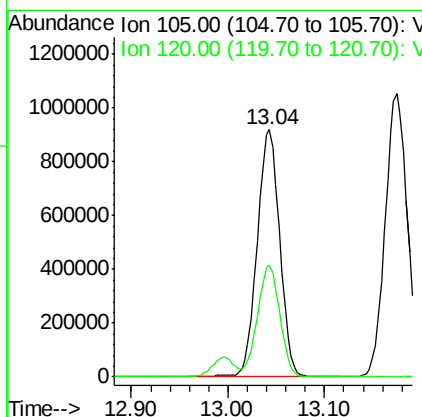
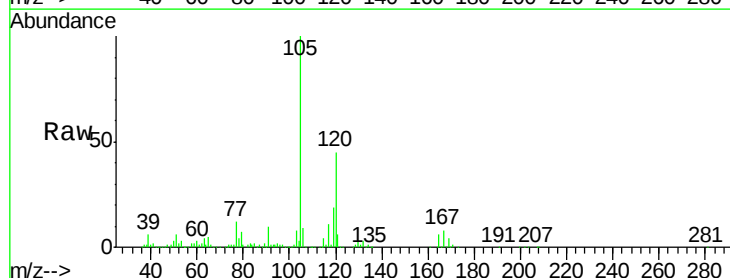
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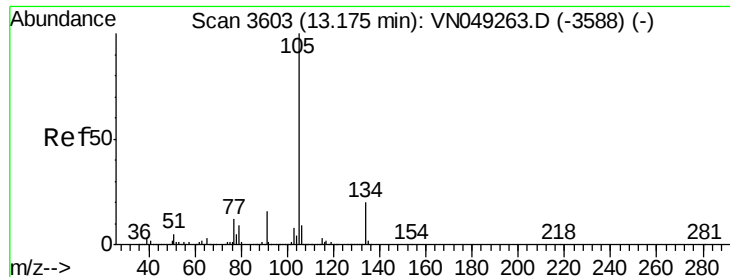
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.94 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion:105 Resp: 1486483
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.76 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBS01

Tot Ion:105 Resp: 1669545

Ion Ratio Lower Upper

105 100

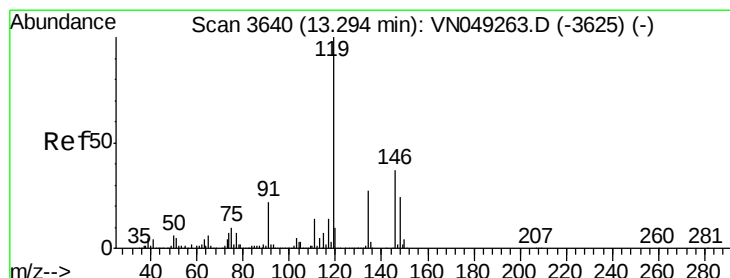
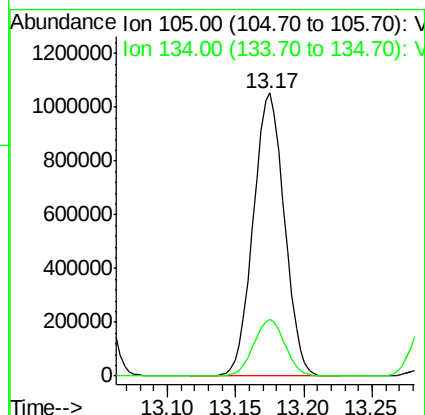
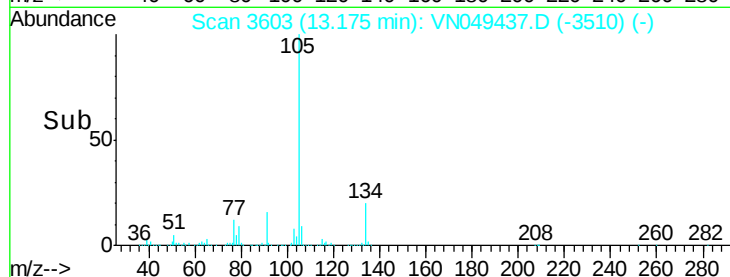
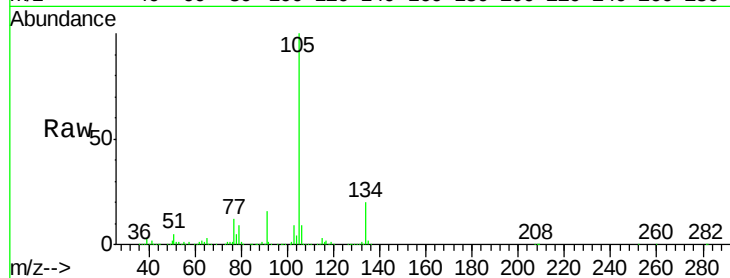
134 20.1 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.15 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

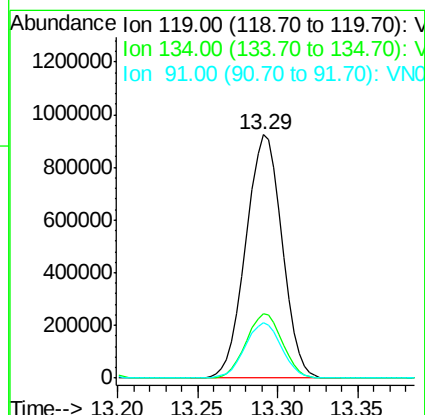
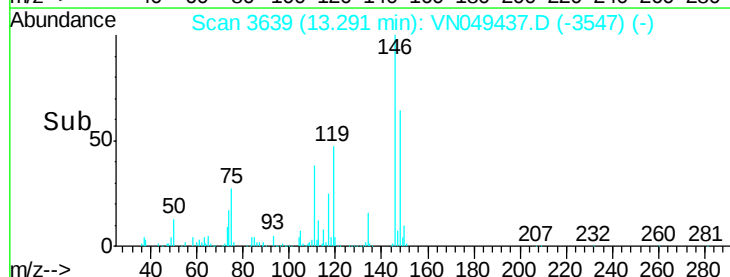
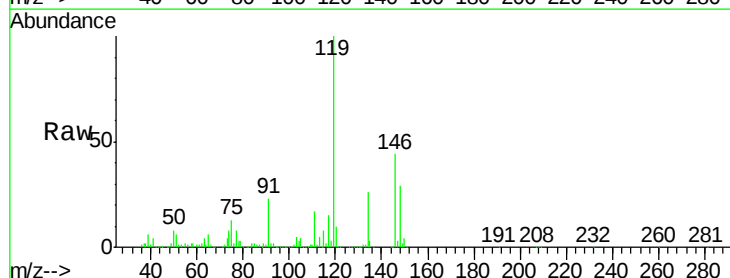
Tgt Ion:119 Resp: 1420958

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.7 12.1 36.3





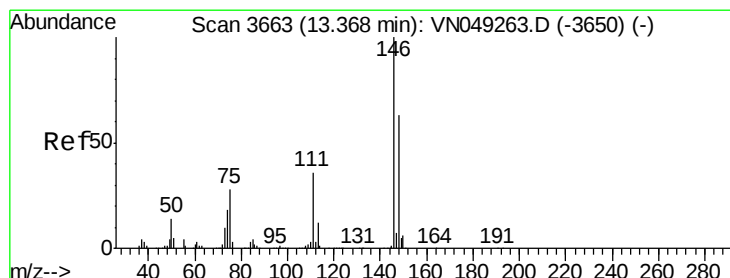
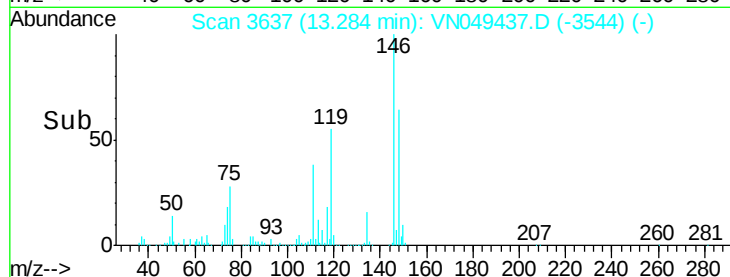
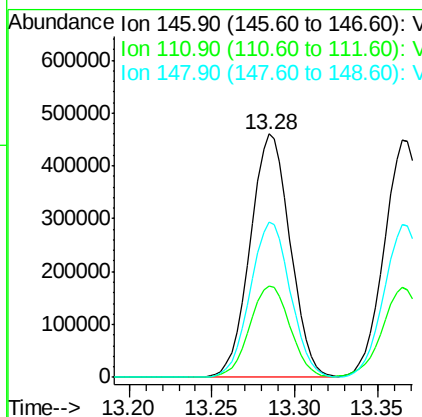
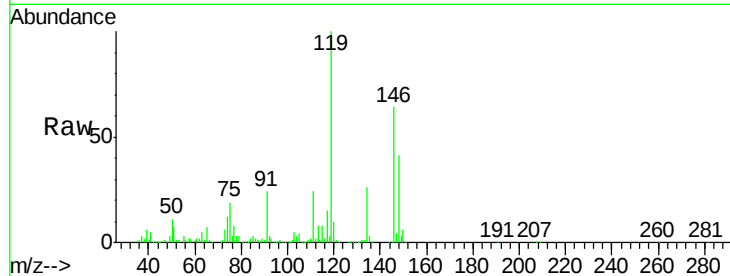
#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.6
148	64.2	32.1	96.5

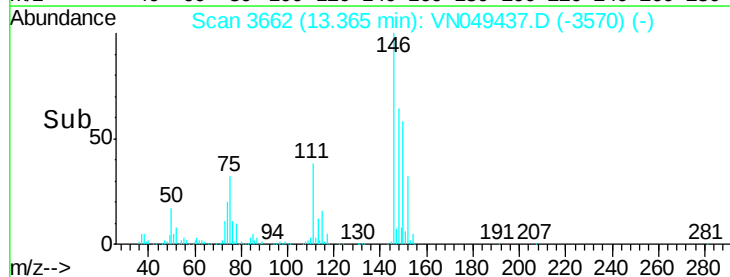
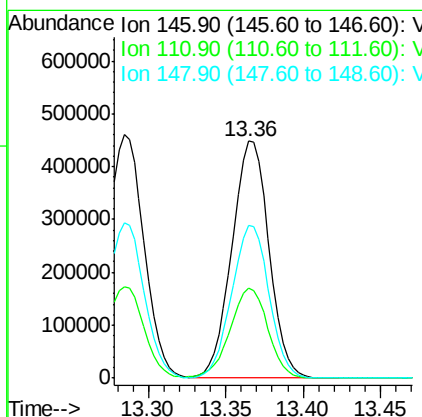
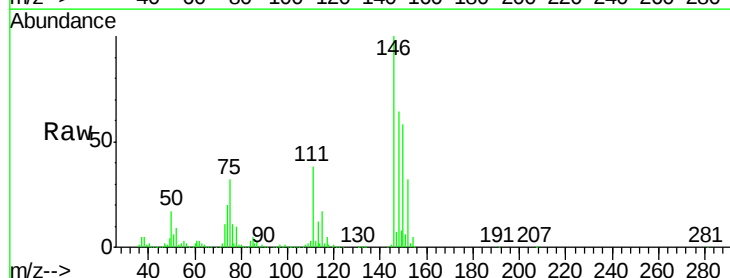
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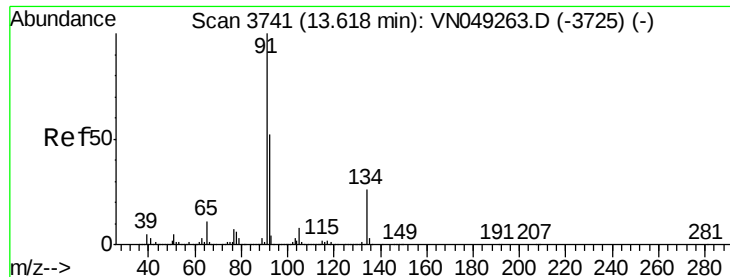
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.0	32.0	96.2





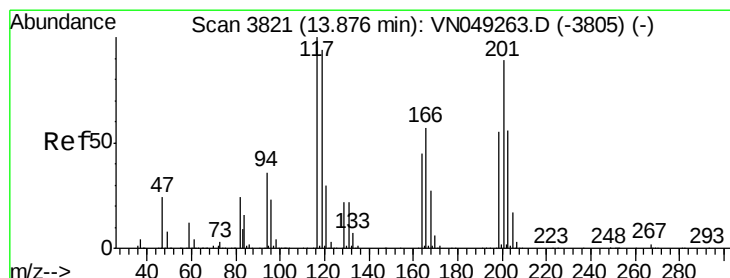
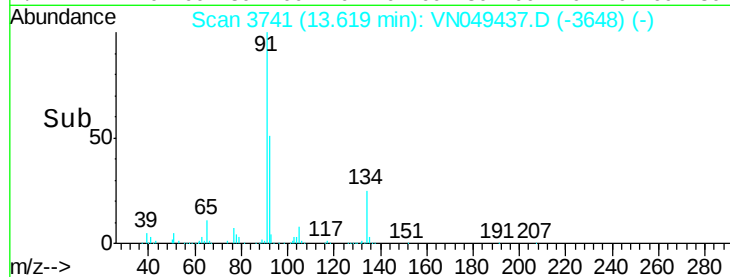
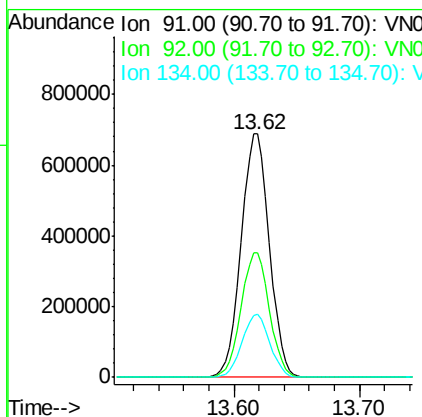
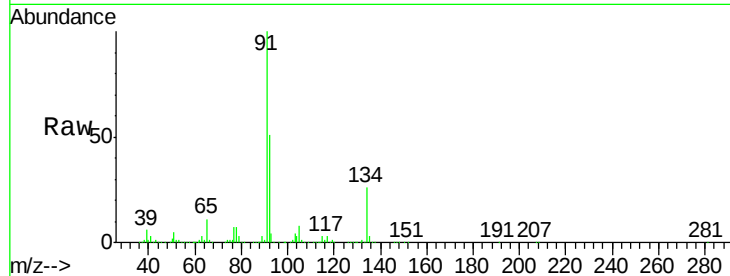
#89
n-Butylbenzene
Concen: 20.44 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0620WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	25.5	12.0	36.0

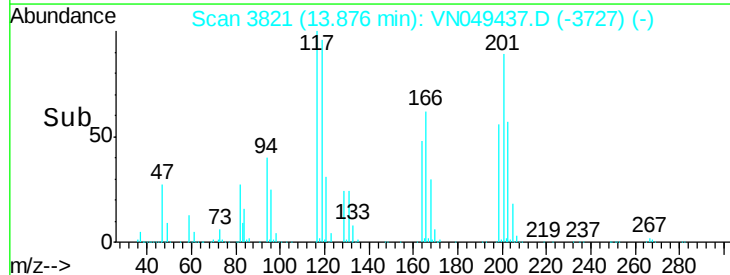
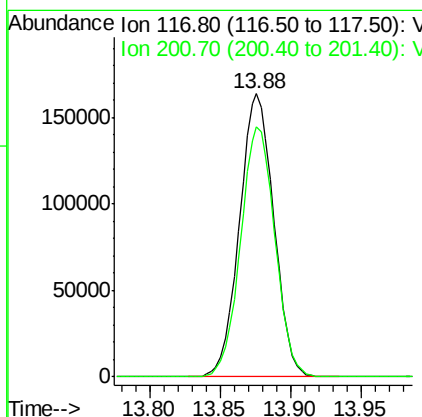
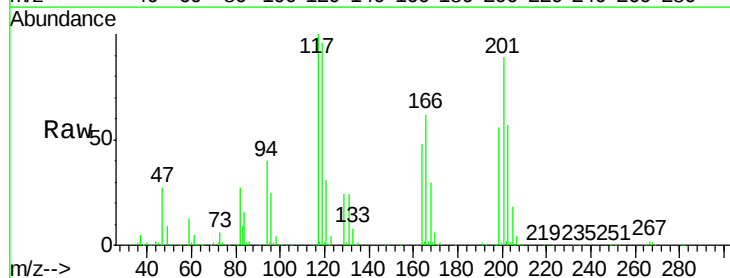
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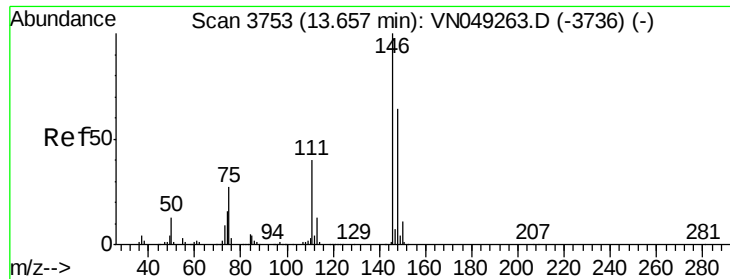
apatel
6/21/2018 12:00:28 PM



#90
Hexachloroethane
Concen: 20.96 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	40.1	120.2





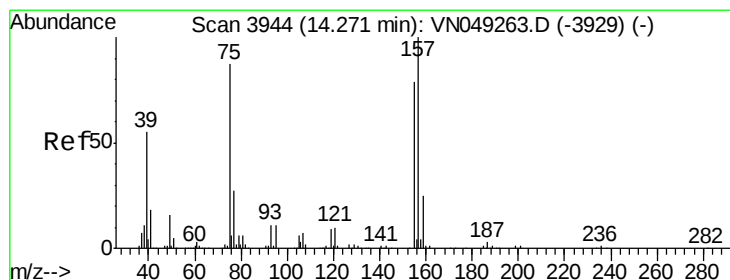
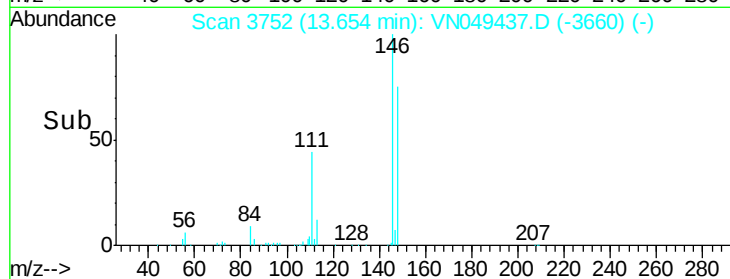
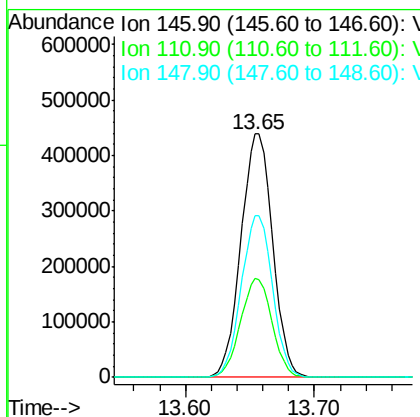
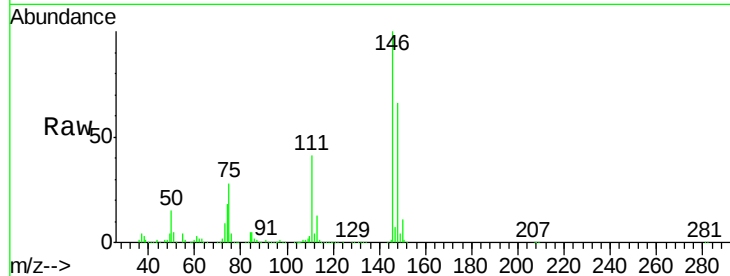
#91
 1,2-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	65.4	32.0	96.2

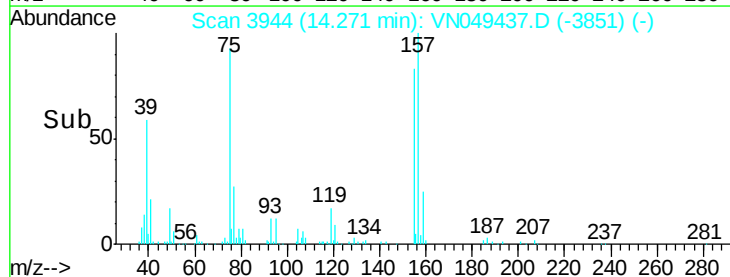
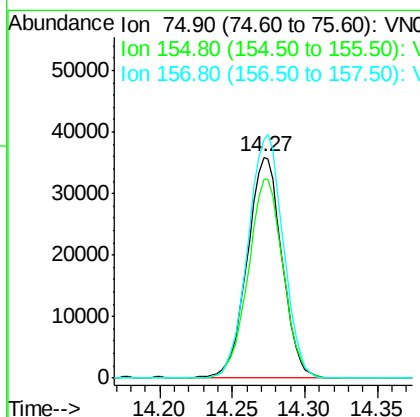
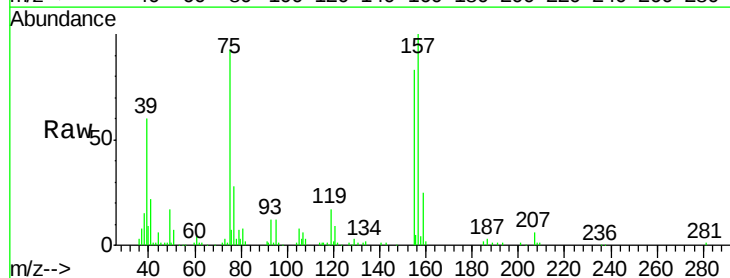
Manual Integrations
 APPROVED

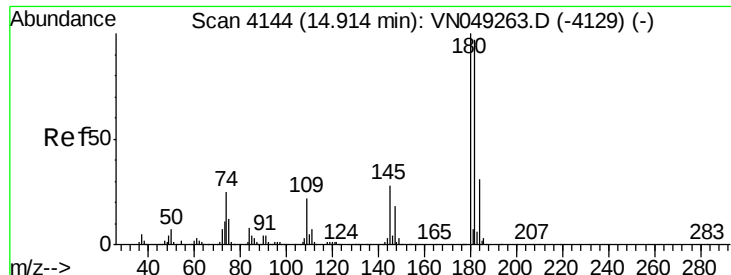
apatel
 6/21/2018 12:00:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	38.8	116.3
157	111.8	51.0	153.1





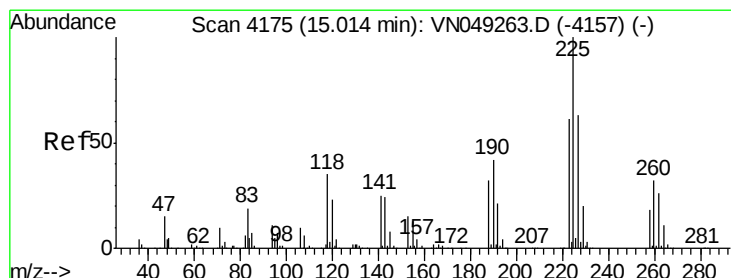
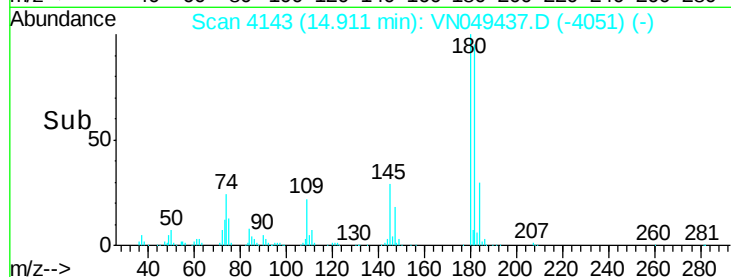
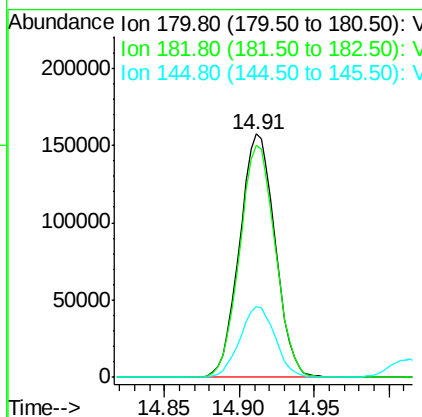
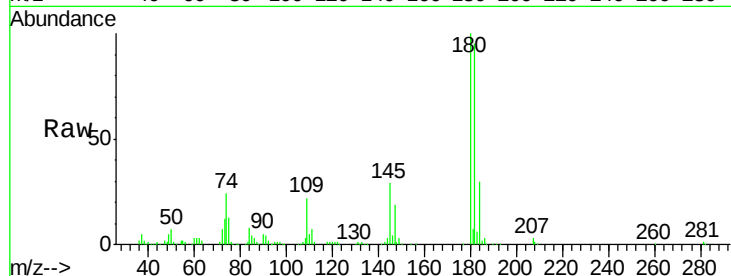
#93
 1,2,4-Trichlorobenzene
 Concen: 18.64 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260194		
182	95.6	46.9	140.8	
145	28.7	14.7	44.1	

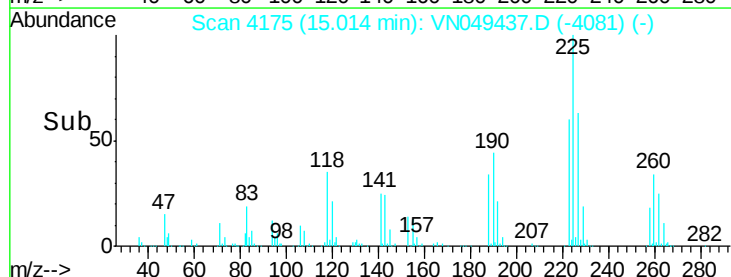
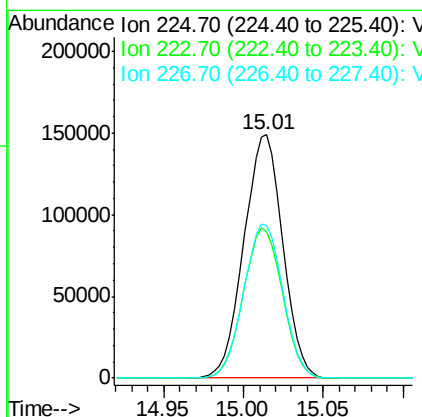
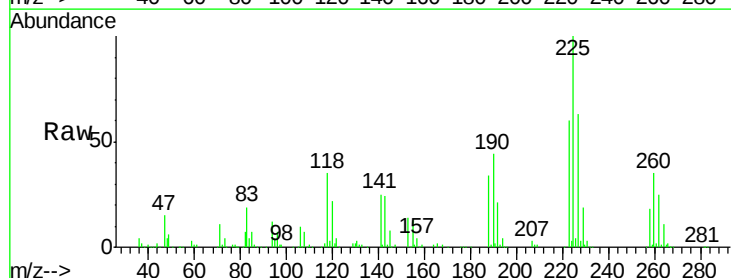
Manual Integrations
 APPROVED

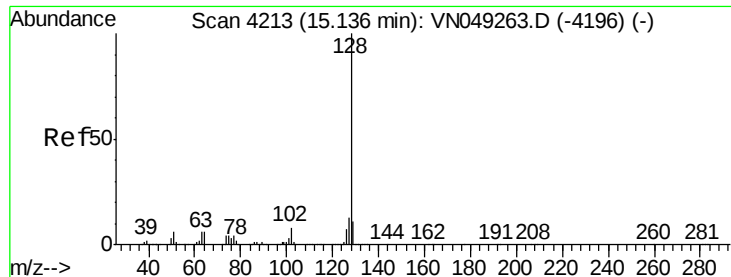
apatel
 6/21/2018 12:00:28 PM



#94
 Hexachlorobutadiene
 Concen: 21.34 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	247716		
223	62.0	32.1	96.3	
227	63.7	31.8	95.3	





#95

Naphthalene

Concen: 19.07 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

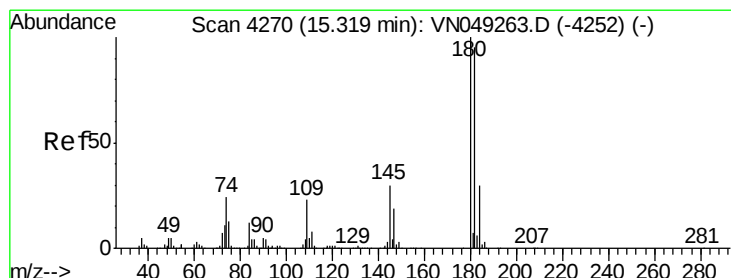
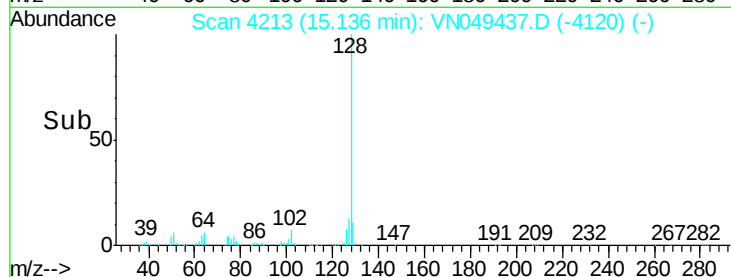
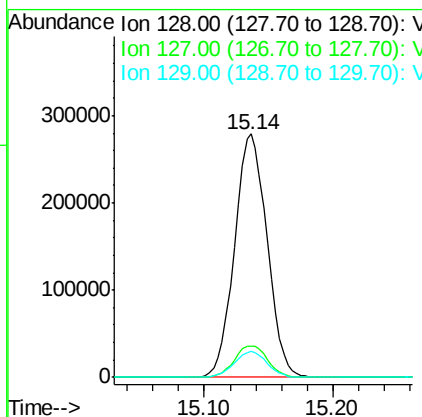
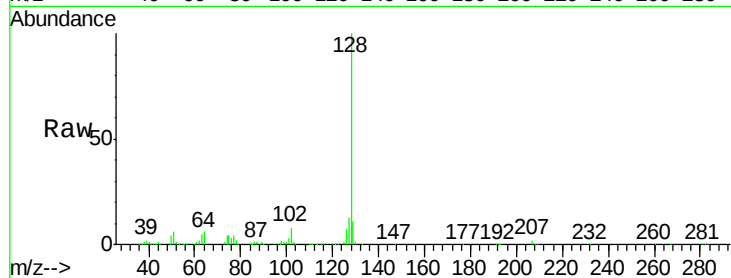
ClientSampleId :

VN0620WBS01

Tot Ion:	128	Resp:	488907
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

apatel
6/21/2018 12:00:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.97 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	180	Resp:	276237
Ion Ratio	Lower	Upper	
180	100		
182	99.1	47.3	141.8
145	31.0	15.6	46.7

