

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049592.D
 Acq On : 28 Jun 2018 16:16
 Operator : MD\SY
 Sample : VN0628WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:43 PM

Quant Time: Jun 29 03:21:40 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	1483288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2237988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2014768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1061822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1022473	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	896962	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.09	98	3415789	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	1154934	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	346255	20.28	ug/l	99
3) Chloromethane	2.06	50	406765	18.45	ug/l	97
4) Vinyl Chloride	2.18	62	444315	18.96	ug/l	100
5) Bromomethane	2.56	94	210098	17.06	ug/l	99
6) Chloroethane	2.70	64	276214	19.77	ug/l	99
7) Trichlorofluoromethane	3.02	101	481652	16.48	ug/l	99
8) Diethyl Ether	3.41	74	204752	20.06	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.75	101	359060	19.37	ug/l	93
10) Methyl Iodide	3.95	142	424593	22.00	ug/l	92
11) Tert butyl alcohol	4.79	59	119773	103.73	ug/l	97
12) 1,1-Dichloroethene	3.73	96	326075	19.17	ug/l	89
13) Acrolein	3.61	56	125854	103.93	ug/l	99
14) Allyl chloride	4.32	41	423392	15.77	ug/l	89
15) Acrylonitrile	5.00	53	581862	100.78	ug/l	98
16) Acetone	3.82	43	437529	91.60	ug/l	92
17) Carbon Disulfide	4.05	76	952296	17.86	ug/l	100
18) Methyl Acetate	4.33	43	490102	33.65	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	885016	20.41	ug/l	100
20) Methylene Chloride	4.55	84	377034	18.90	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	346476	19.24	ug/l	92
22) Diisopropyl ether	5.96	45	1083401	20.20	ug/l	98
23) Vinyl Acetate	5.90	43	3577039	102.32	ug/l	96
24) 1,1-Dichloroethane	5.85	63	652595	19.01	ug/l	98
25) 2-Butanone	6.84	43	651401	101.56	ug/l	97
26) 2,2-Dichloropropane	6.82	77	539960	19.48	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	391370	19.55	ug/l	92
28) Bromochloromethane	7.19	49	300767	19.77	ug/l #	83
29) Tetrahydrofuran	7.21	42	436134	105.63	ug/l	94
30) Chloroform	7.37	83	664859	19.46	ug/l	99
31) Cyclohexane	7.65	56	582270	19.91	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	568048	19.49	ug/l	97
36) 1,1-Dichloropropene	7.79	75	489824	19.10	ug/l	96
37) Ethyl Acetate	6.93	43	303553	21.77	ug/l	98
38) Carbon Tetrachloride	7.77	117	470016	17.70	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	529838	19.24	ug/l	96
40) Benzene	8.04	78	1508457	19.18	ug/l	98
41) Methacrylonitrile	7.18	41	161033	21.36	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	472487	19.45	ug/l	96
43) Isopropyl Acetate	8.17	43	679429	25.50	ug/l	96
44) Trichloroethene	8.84	130	447078	21.53	ug/l	94
45) 1,2-Dichloropropane	9.12	63	396234	19.24	ug/l	100
46) Dibromomethane	9.21	93	234606	19.65	ug/l	90
47) Bromodichloromethane	9.40	83	494991	18.87	ug/l	98
48) Methyl methacrylate	9.20	41	270235	21.54	ug/l	88
49) 1,4-Dioxane	9.20	88	70763	408.66	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1481460	106.10	ug/l	94
52) Toluene	10.16	92	917018	19.87	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	470503	18.75	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	550489	18.58	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	334949	19.47	ug/l	97
56) Ethyl methacrylate	10.43	69	410704	20.69	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	564080	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	894398	133.14	ug/l	94
59) 2-Hexanone	10.75	43	996179	110.66	ug/l	93
60) Dibromochloromethane	10.90	129	359912	18.74	ug/l	100
61) 1,2-Dibromoethane	11.01	107	330465	20.66	ug/l	99
64) Tetrachloroethene	10.63	164	525420	25.45	ug/l	97
65) Chlorobenzene	11.44	112	994927	19.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	359782	18.42	ug/l	99
67) Ethyl Benzene	11.51	91	1677859	19.49	ug/l	98
68) m/p-Xylenes	11.62	106	1313528	40.66	ug/l	97
69) o-Xylene	11.95	106	622727	20.01	ug/l	97
70) Styrene	11.97	104	1020611	20.79	ug/l	98
71) Bromoform	12.13	173	238713	18.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1644815	17.64	ug/l	98
74) N-amyl acetate	12.07	43	465544	20.39	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	382789	18.55	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	355360m	19.61	ug/l	
77) Bromobenzene	12.53	156	429896	17.46	ug/l	90
78) n-propylbenzene	12.59	91	1895563	18.52	ug/l	98
79) 2-Chlorotoluene	12.68	91	1160714	17.90	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1418156	19.35	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	93102	16.24	ug/l	96
82) 4-Chlorotoluene	12.78	91	1172483	18.74	ug/l	96
83) tert-Butylbenzene	13.00	119	1172706	18.06	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1451604	19.94	ug/l	98
85) sec-Butylbenzene	13.17	105	1566375	18.13	ug/l	98
86) p-Isopropyltoluene	13.29	119	1377119	19.08	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	761153	18.79	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	750540	18.69	ug/l	100
89) n-Butylbenzene	13.62	91	1109599	19.68	ug/l	98
90) Hexachloroethane	13.88	117	104456	6.16	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	759183	19.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63242	19.48	ug/l	85

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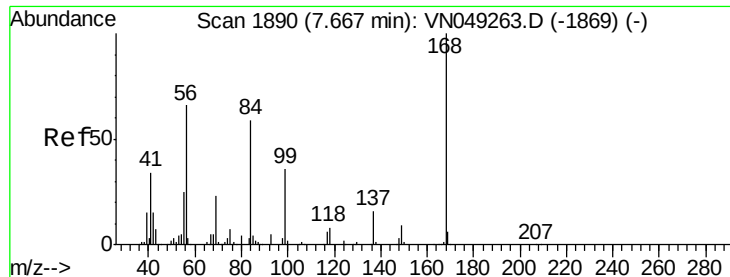
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	333756	21.33	ug/l	99
94) Hexachlorobutadiene	15.01	225	227708	17.84	ug/l	99
95) Naphthalene	15.14	128	689460	24.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	331535	20.79	ug/l	98

(#) = 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: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion:168 Resp: 1483288

Ion Ratio Lower Upper

168 100

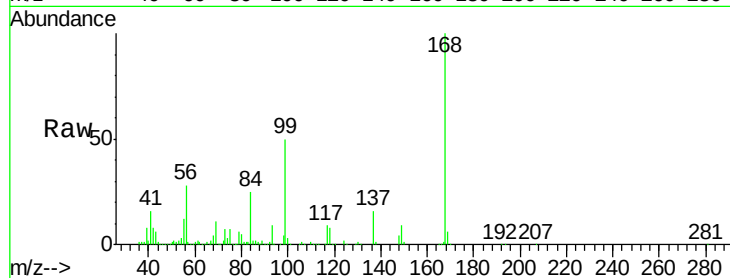
99 50.1 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

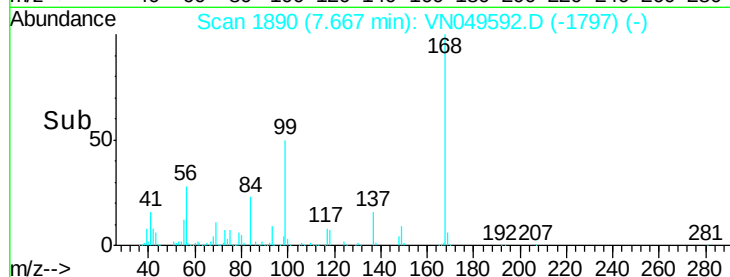
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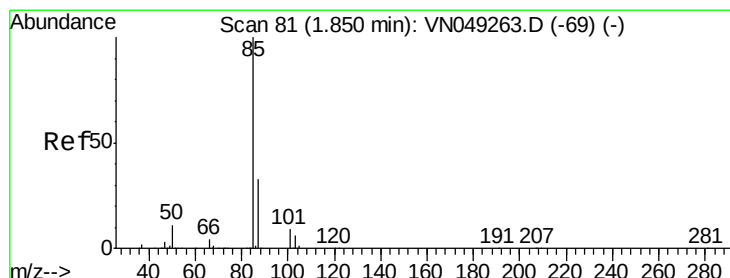
200000

0

7.50 7.60 7.70 7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 20.28 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049592.D

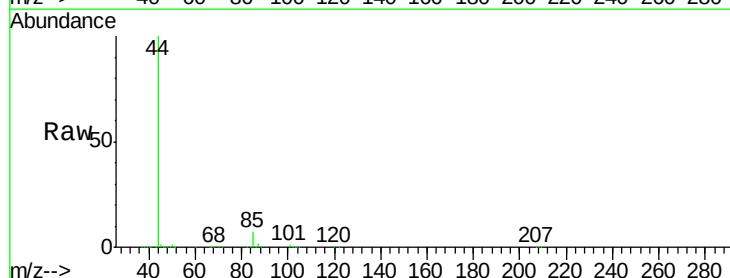
Acq: 28 Jun 2018 16:16

Tgt Ion: 85 Resp: 346255

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

300000

250000

200000

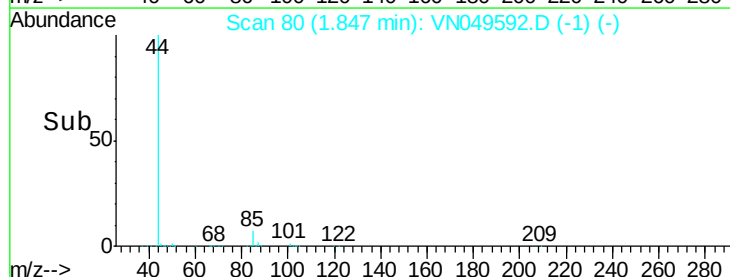
150000

100000

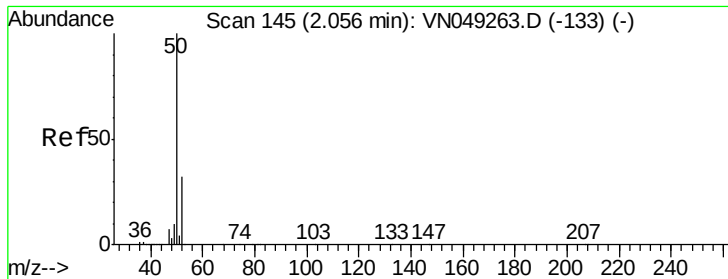
50000

0

1.75 1.80 1.85 1.90 1.95



Time-->



#3

Chloromethane

Concen: 18.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

VN0628WBSD01

Tot Ion: 50 Resp: 406765

Ion Ratio Lower Upper

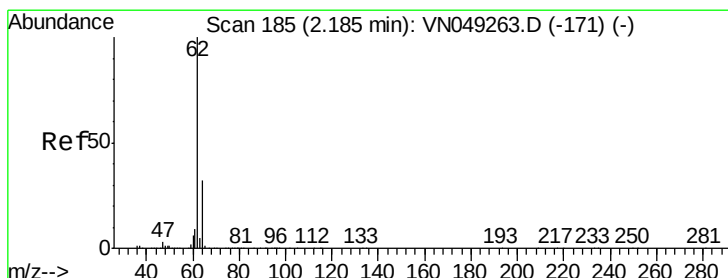
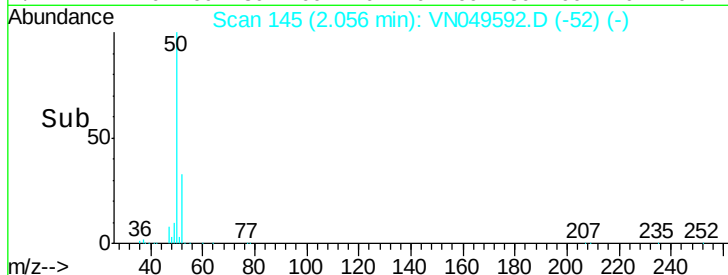
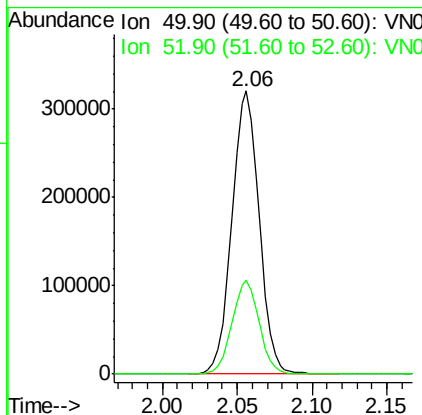
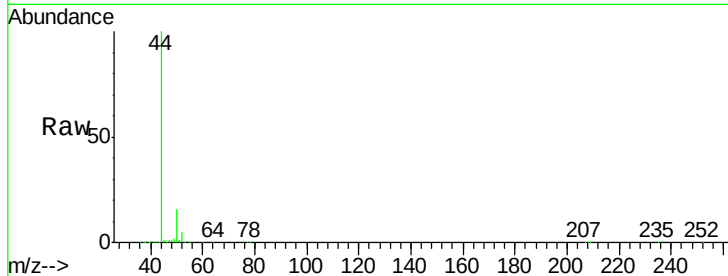
50 100

52 33.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 18.96 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049592.D

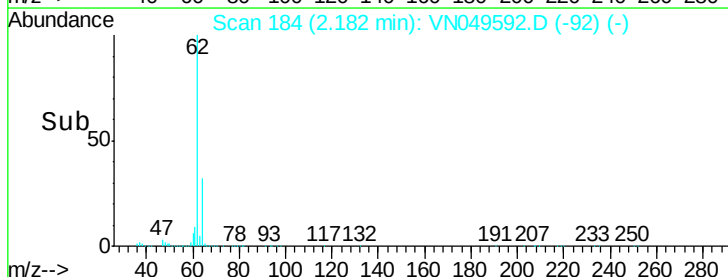
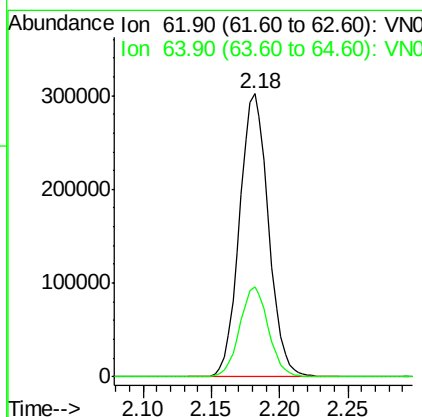
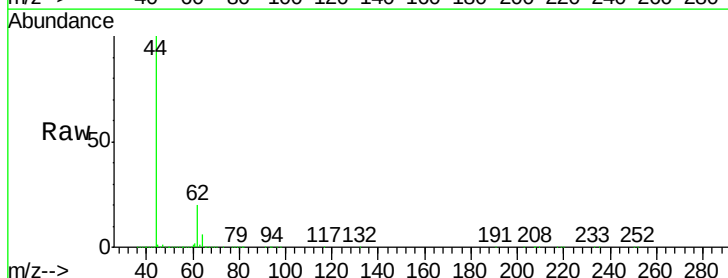
Acq: 28 Jun 2018 16:16

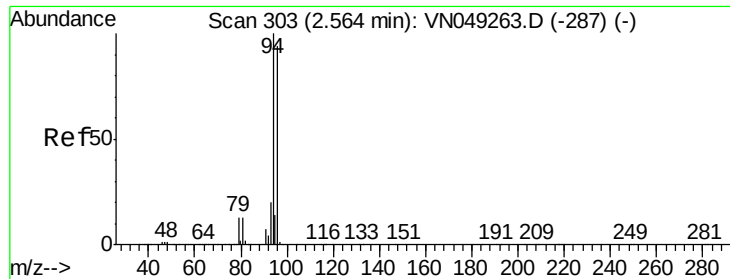
Tgt Ion: 62 Resp: 444315

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 17.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 94 Resp: 210098

Ion Ratio Lower Upper

94 100

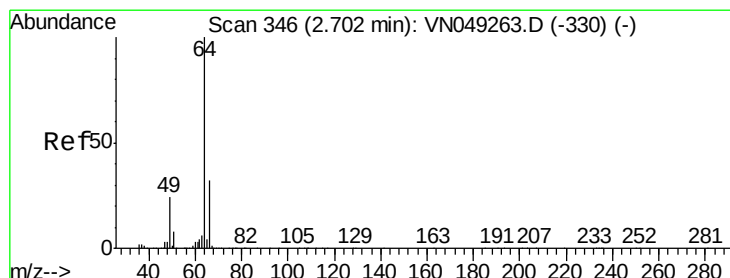
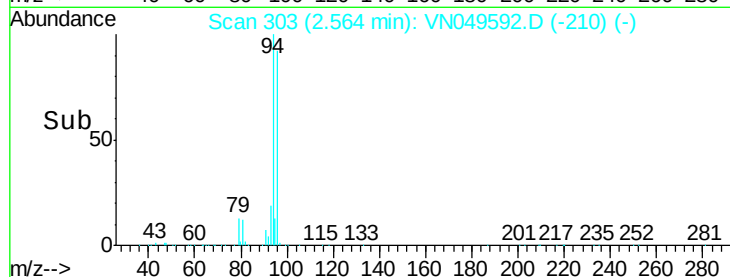
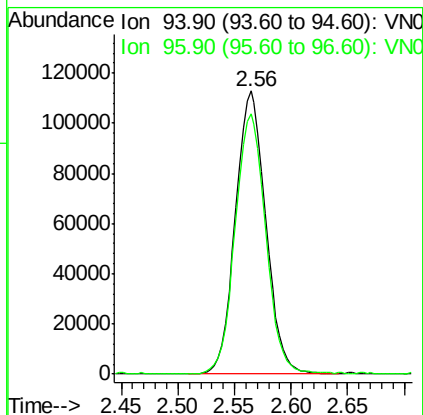
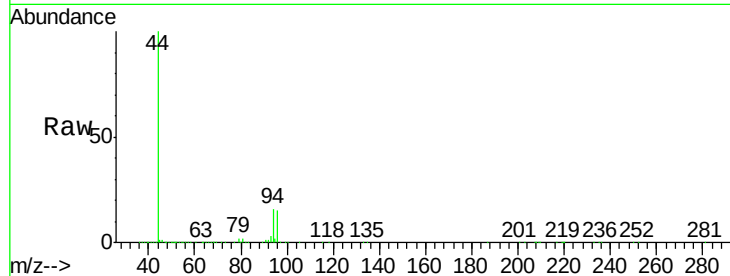
96 92.2 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 19.77 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049592.D

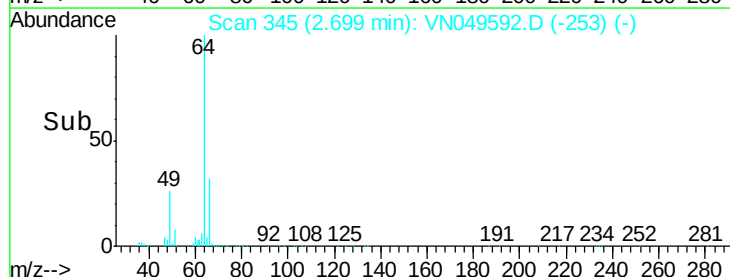
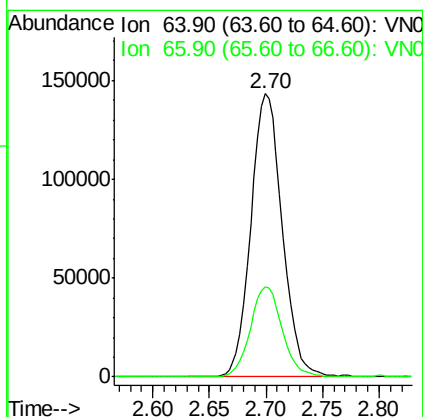
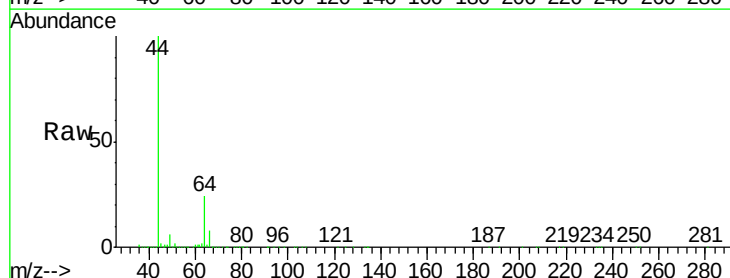
Acq: 28 Jun 2018 16:16

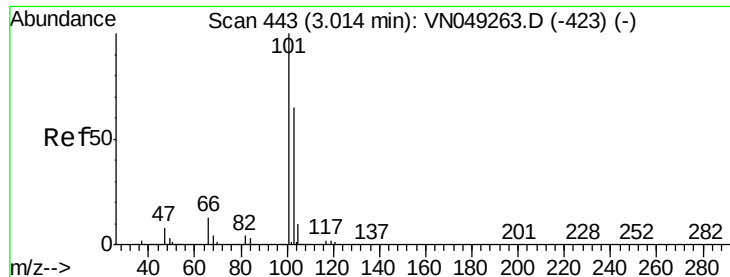
Tgt Ion: 64 Resp: 276214

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

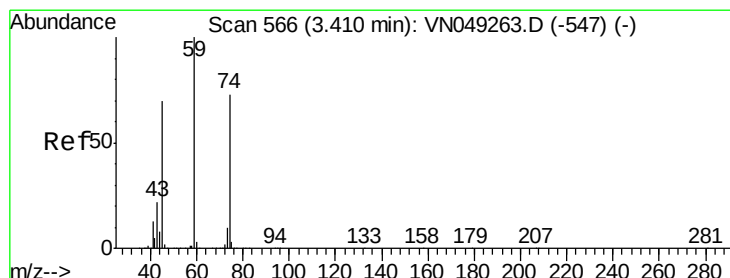
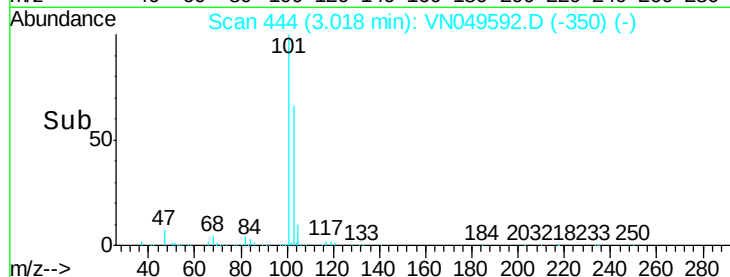
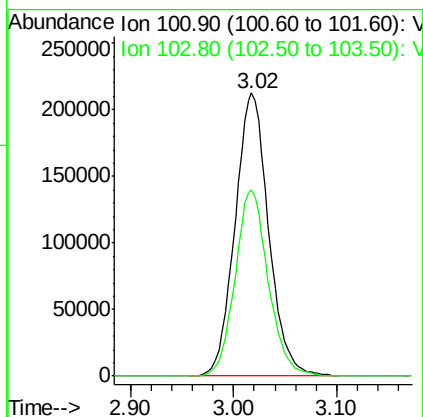
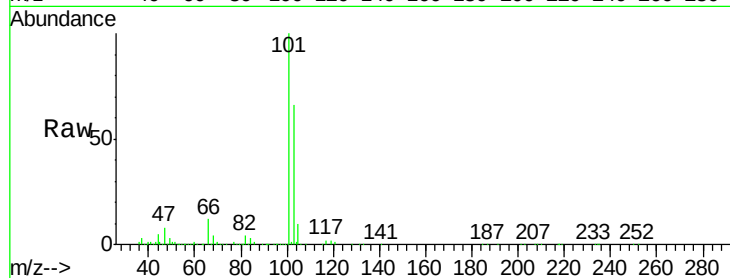
Trichlorofluoromethane
Concen: 16.48 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
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ClientSampleId :
VN0628WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		481652		
103	65.8		51.7	77.5	

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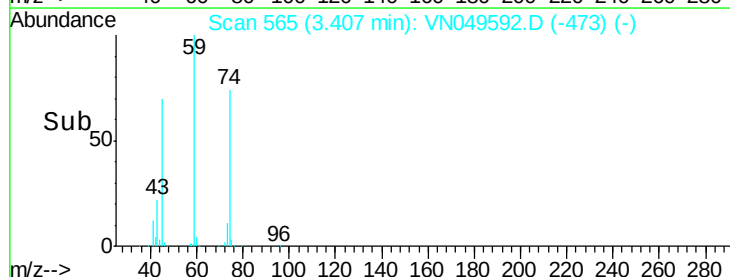
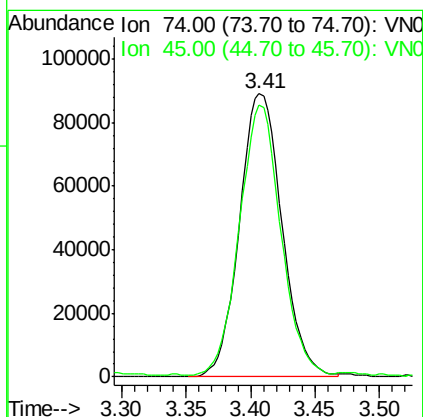
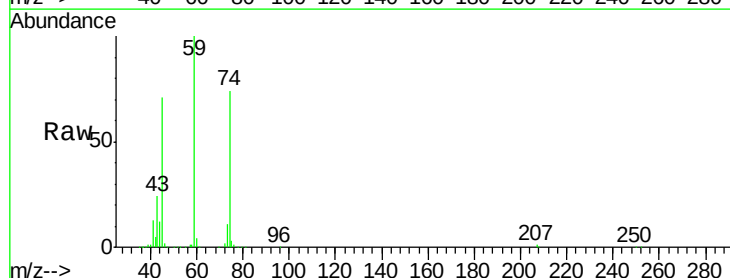
MMDadoda
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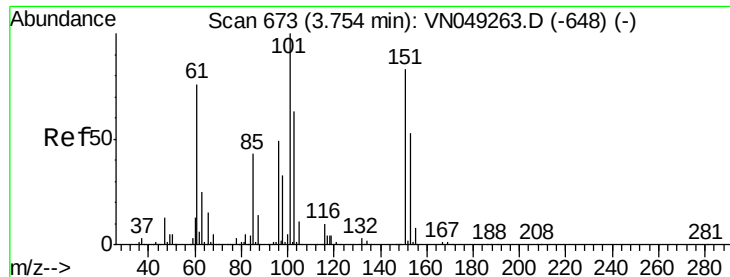


#8

Diethyl Ether
Concen: 20.06 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		204752		
45	92.3		51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

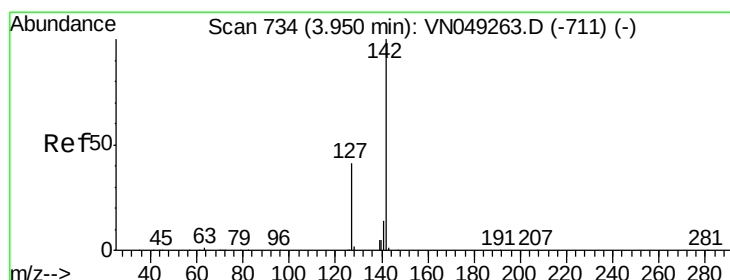
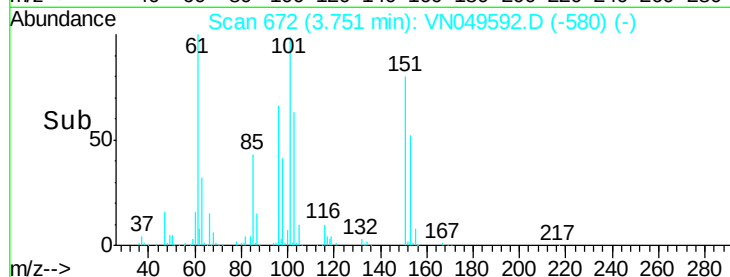
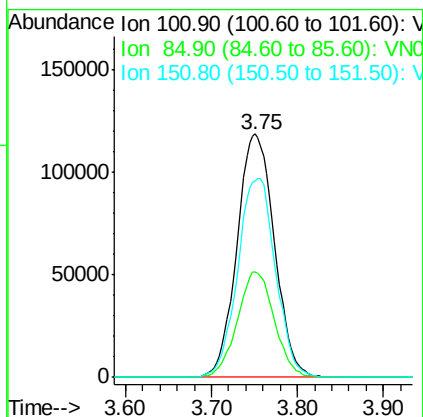
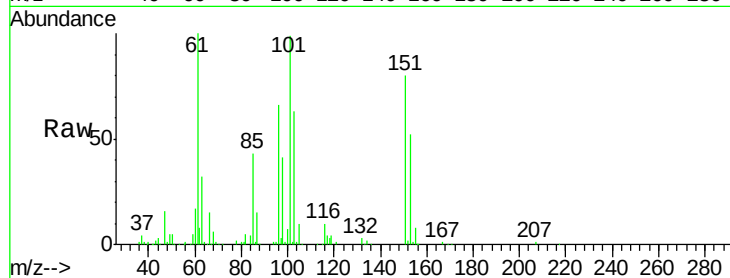
ClientSampleId :

VN0628WBSD01

Tot Ion:	101	Resp:	359060
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.6	56.4
151	82.6	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.00 ug/l

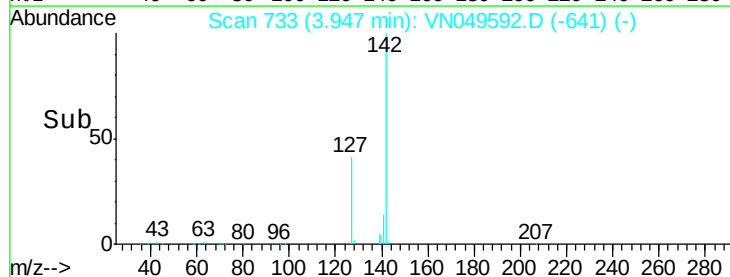
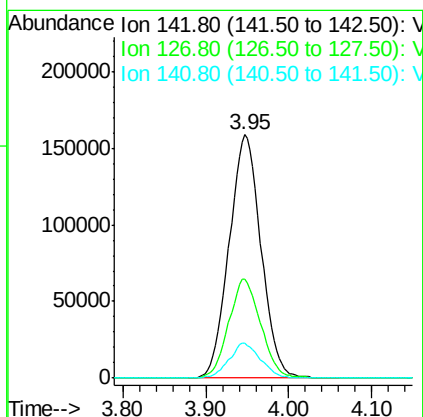
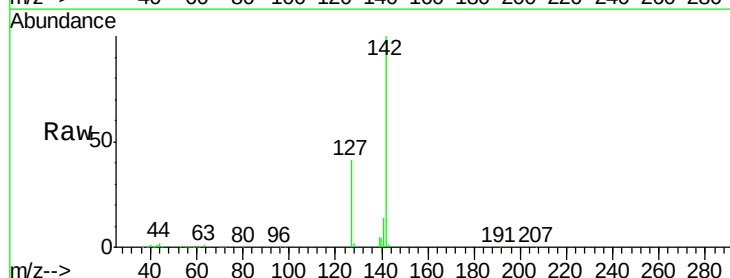
RT: 3.95 min Scan# 733

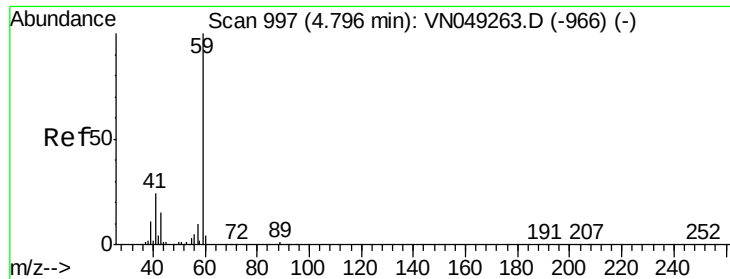
Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	142	Resp:	424593
Ion Ratio	Lower	Upper	
142	100		
127	41.0	38.2	57.4
141	14.2	11.9	17.9





#11

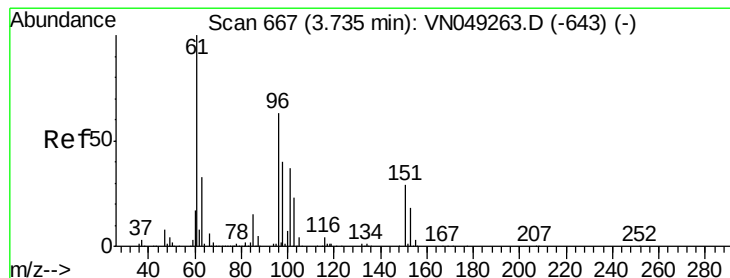
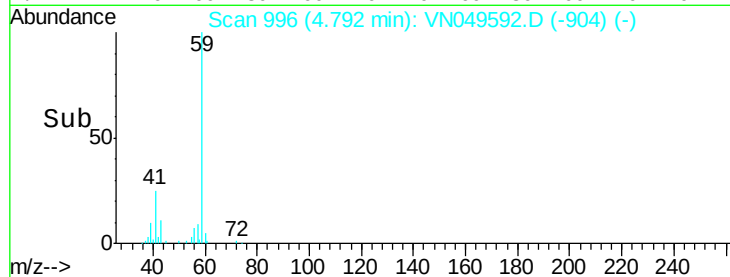
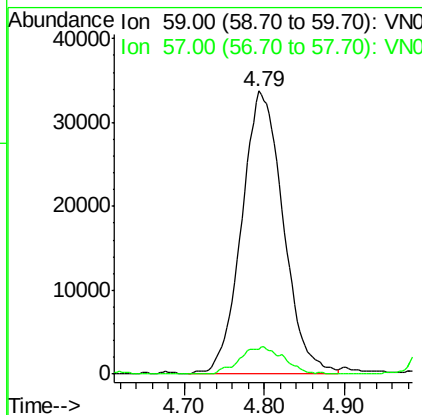
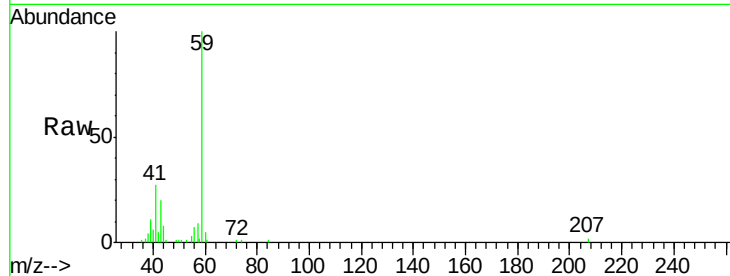
Tert butyl alcohol
Concen: 103.73 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	59	Resp	119773
Ion Ratio	59	100	
Lower	57	10.1	9.0
Upper			13.6

Manual Integrations
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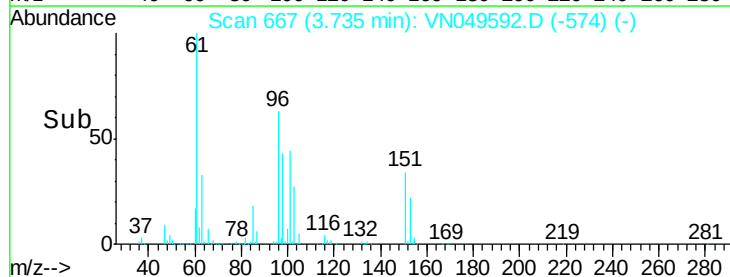
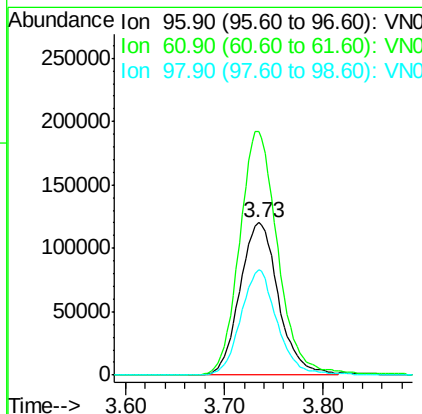
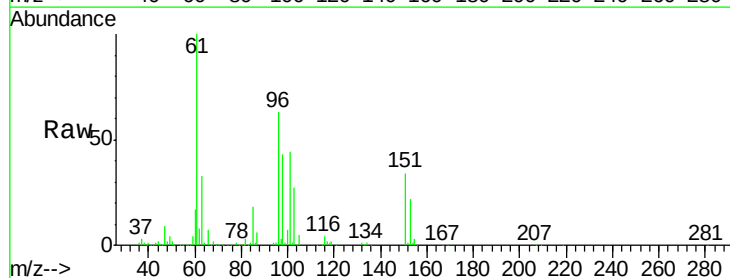
MMDadoda
6/29/2018 1:46:43 PM

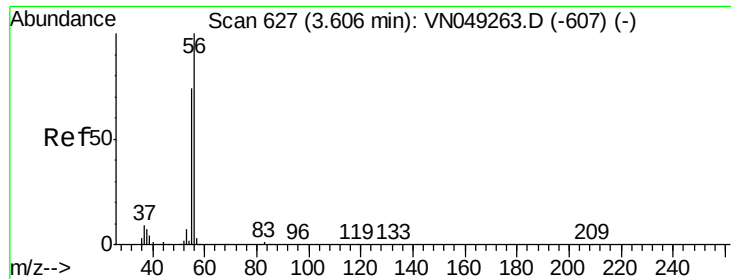


#12

1,1-Dichloroethene
Concen: 19.17 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	96	Resp	326075
Ion Ratio	96	100	
Lower	61	159.8	141.0
Upper	98	69.1	50.4
			75.6





#13

Acrolein

Concen: 103.93 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleID :

VN0628WBSD01

Tot Ion: 56 Resp: 125854

Ion Ratio Lower Upper

56 100

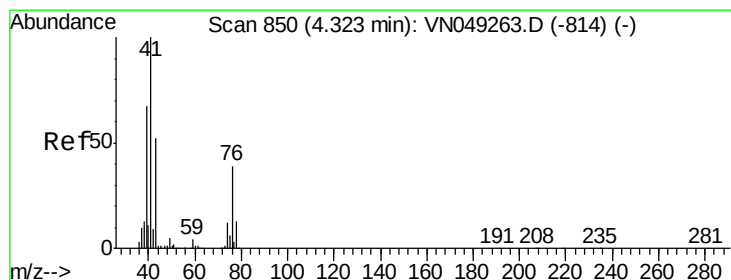
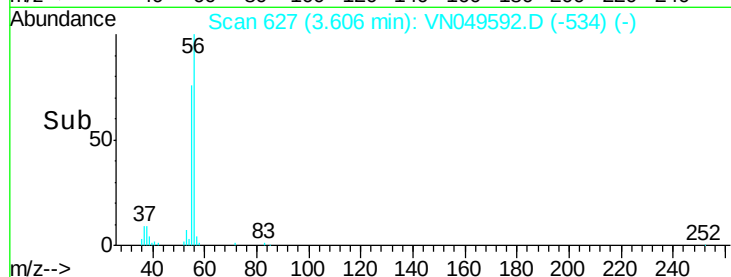
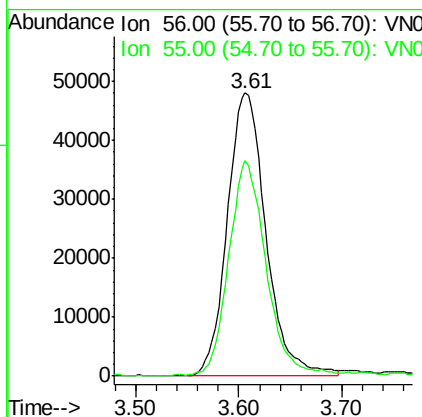
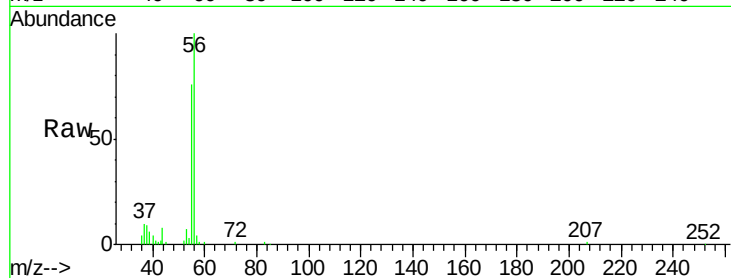
55 72.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 15.77 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

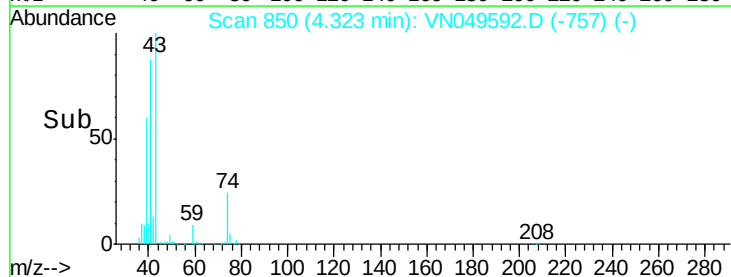
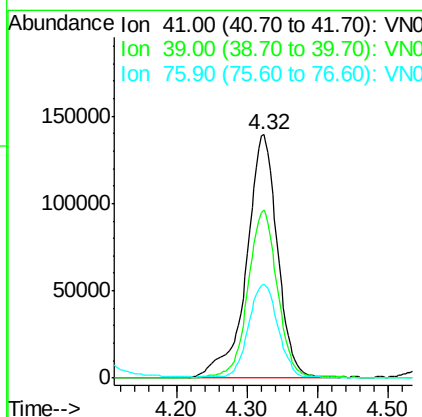
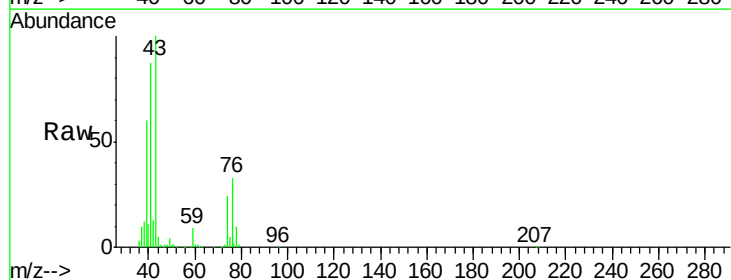
Tgt Ion: 41 Resp: 423392

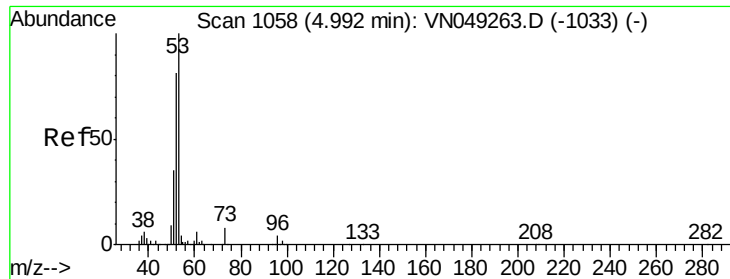
Ion Ratio Lower Upper

41 100

39 65.3 62.5 93.7

76 35.8 27.1 40.7





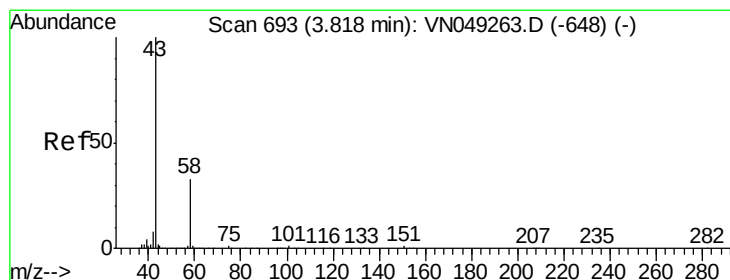
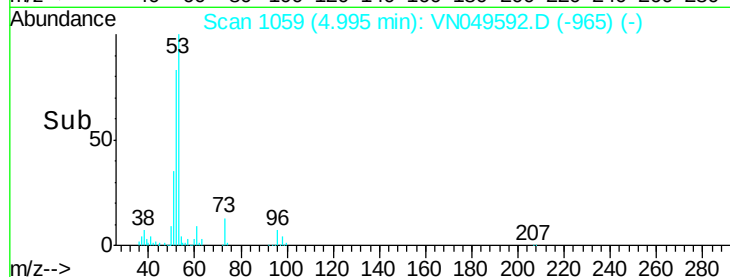
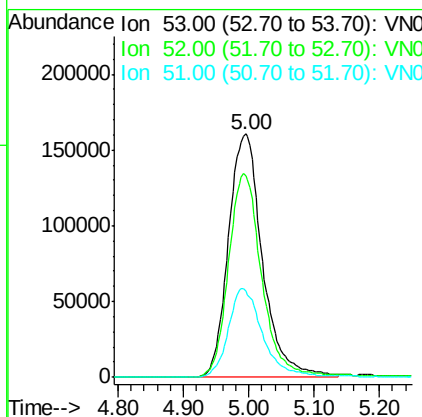
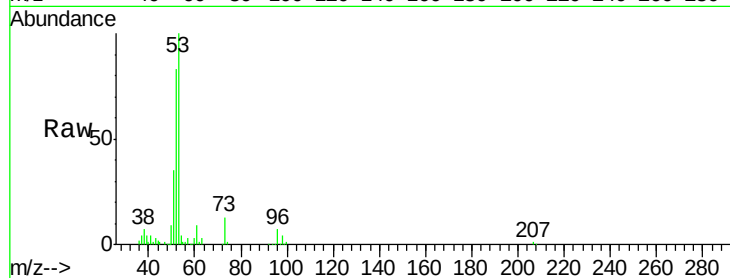
#15
 Acrylonitrile
 Concen: 100.78 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.6	100.0
51	36.8	29.8	44.8

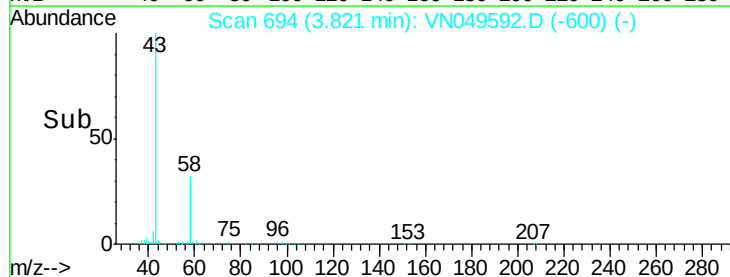
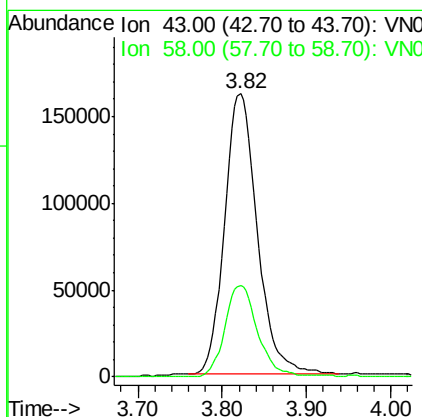
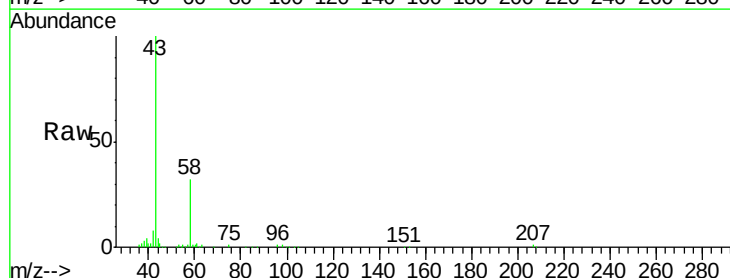
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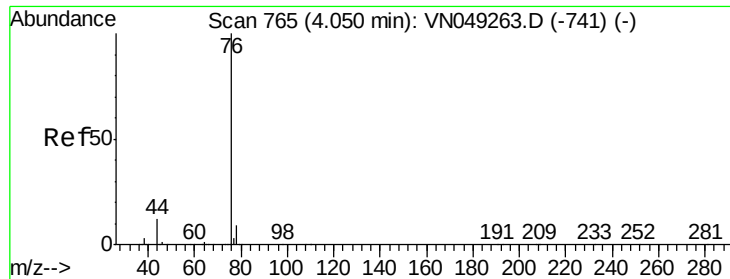
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#16
 Acetone
 Concen: 91.60 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	22.4	33.6





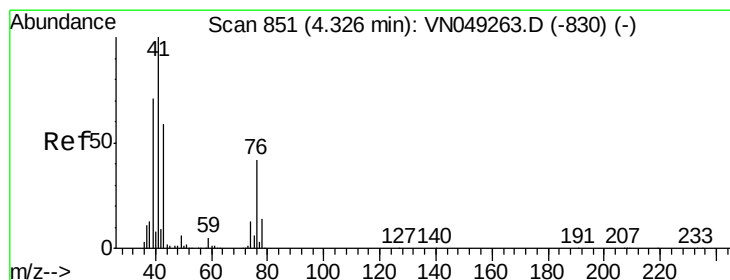
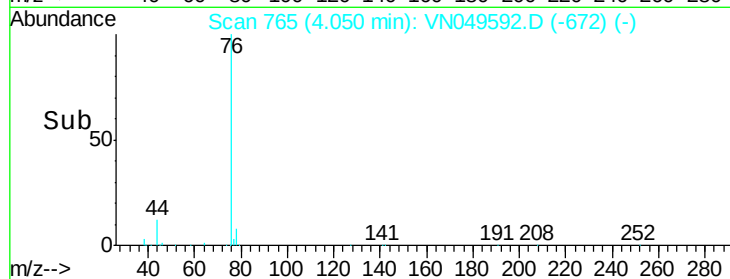
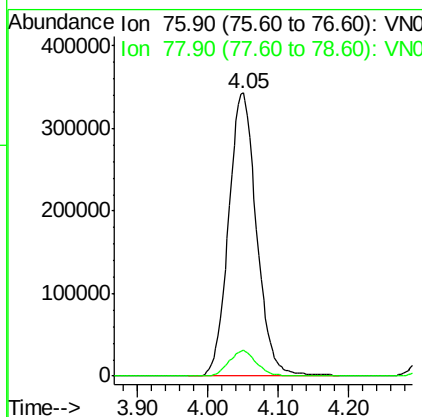
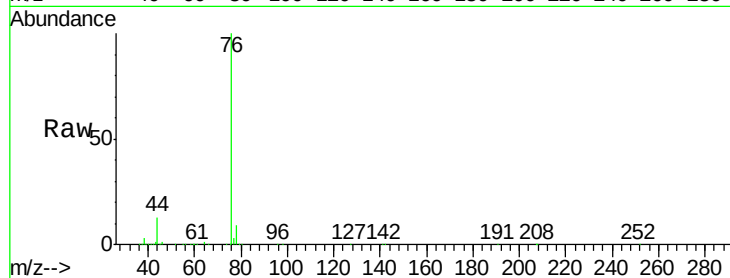
#17
Carbon Disulfide
Concen: 17.86 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

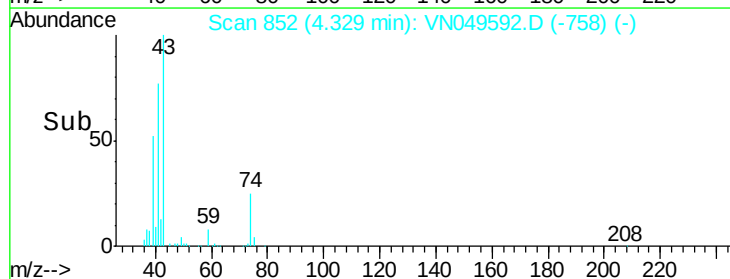
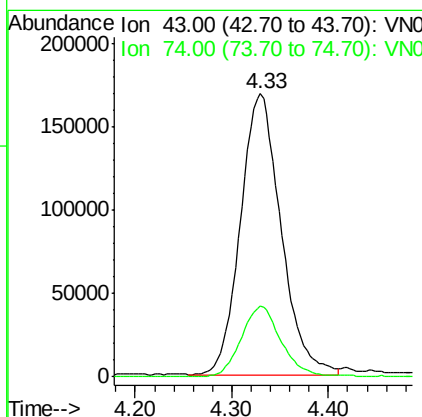
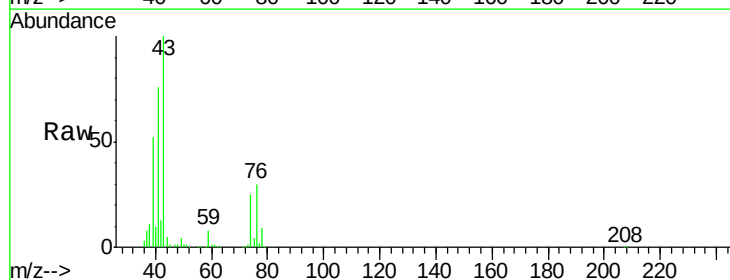
Manual Integrations
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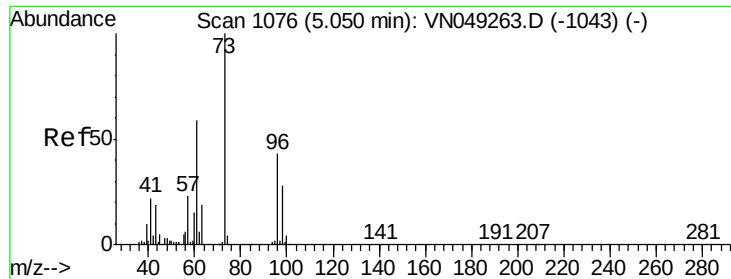
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#18
Methyl Acetate
Concen: 33.65 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.4	26.0





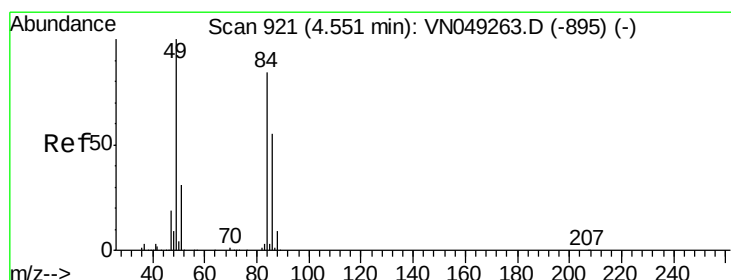
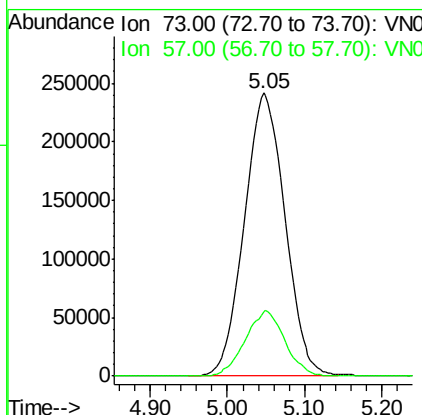
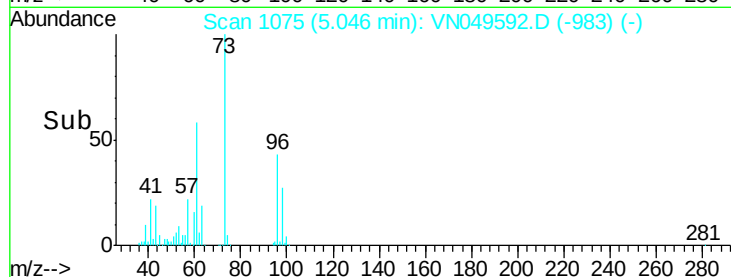
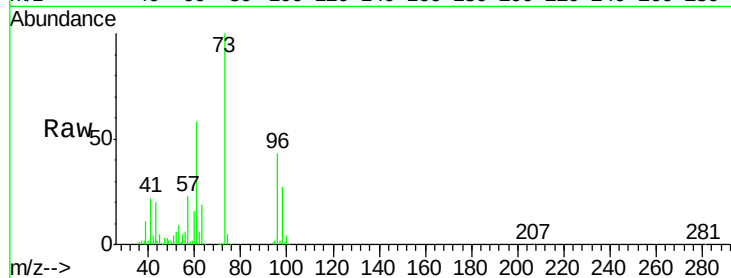
#19
Methyl tert-butyl Ether
Concen: 20.41 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion: 73 Resp: 885016
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

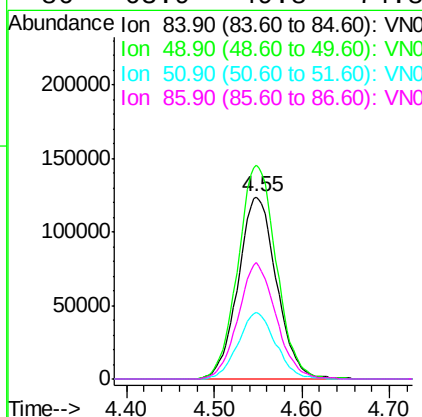
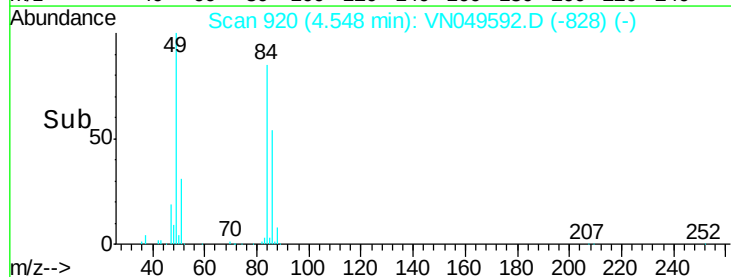
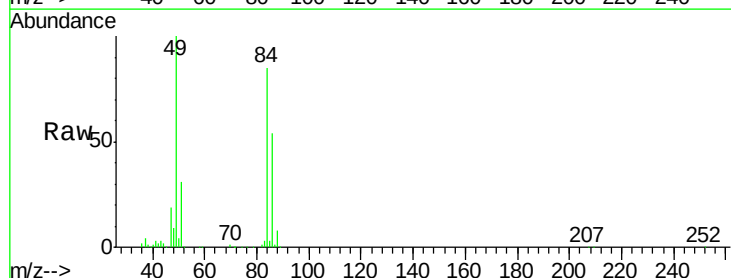
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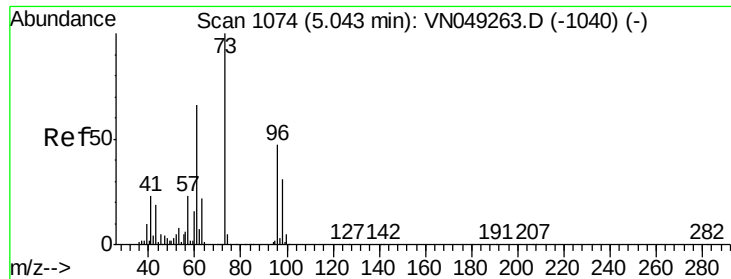
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#20
Methylene Chloride
Concen: 18.90 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 84 Resp: 377034
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 36.5 32.7 49.1
86 63.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

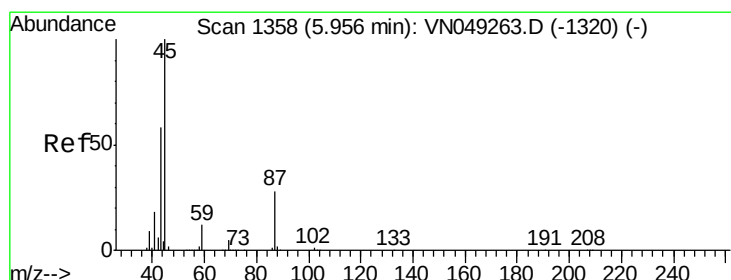
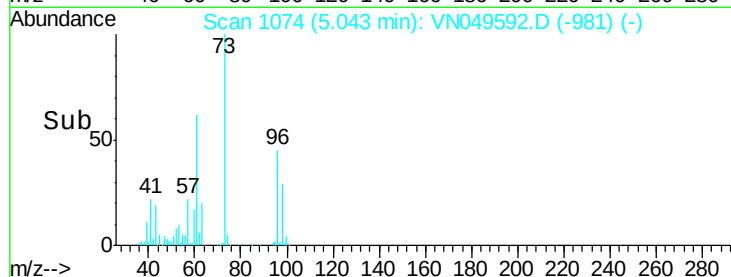
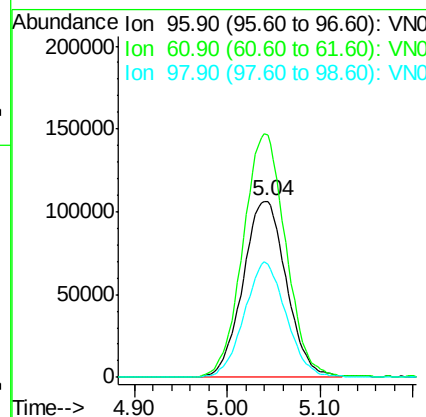
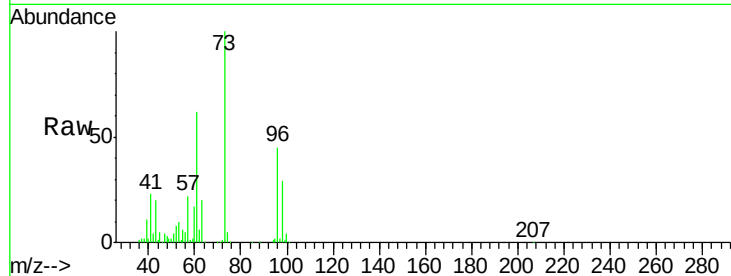
ClientSampleId :

VN0628WBSD01

Tot Ion:	96	Resp:	346476
Ion	Ratio	Lower	Upper
96	100		
61	137.2	121.3	181.9
98	64.3	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.20 ug/l

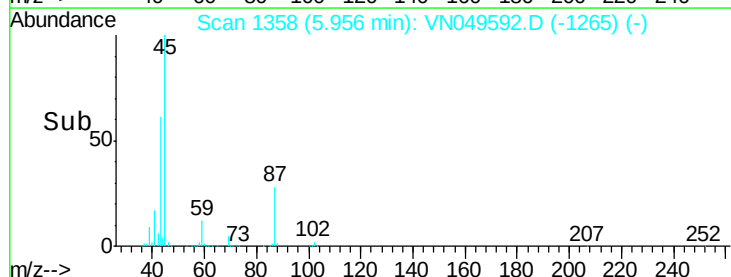
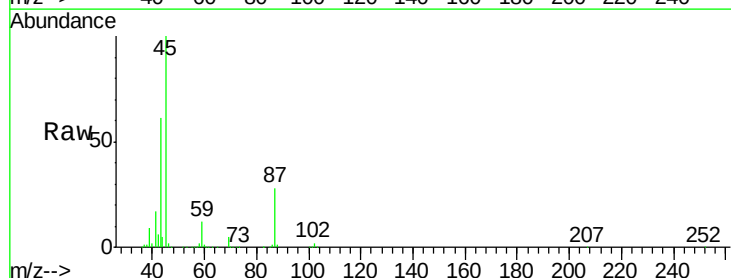
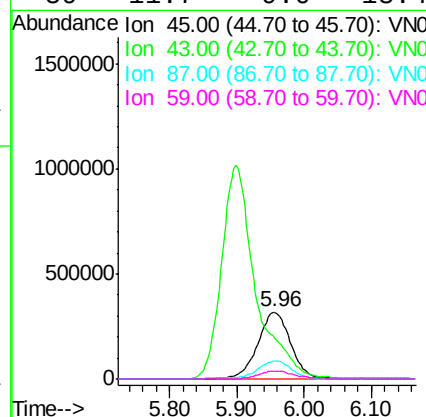
RT: 5.96 min Scan# 1358

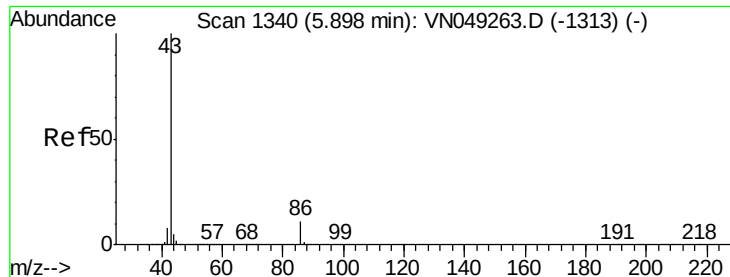
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	45	Resp:	1083401
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.6	72.8
87	27.4	20.2	30.2
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 102.32 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 43 Resp: 3577039

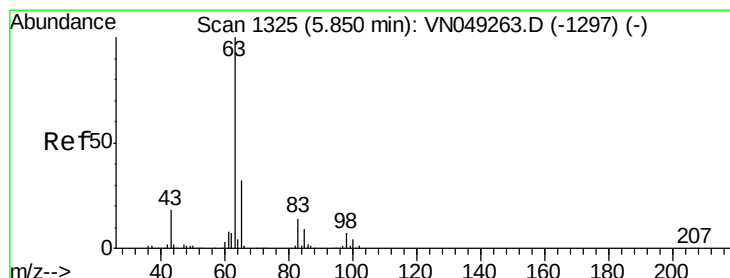
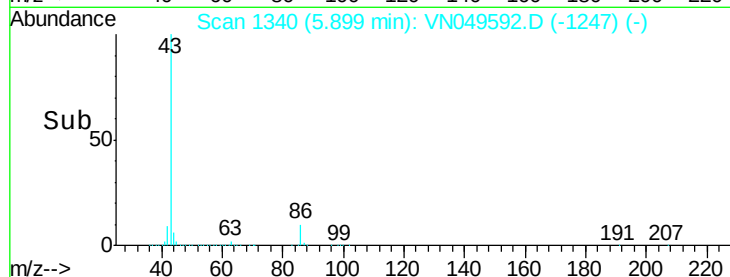
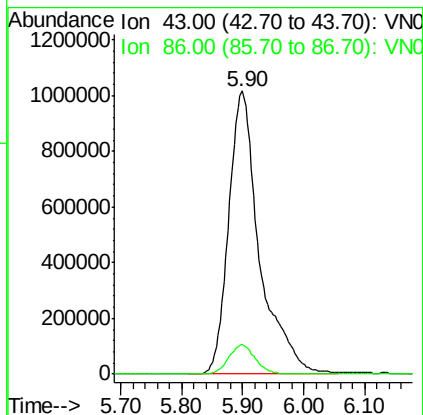
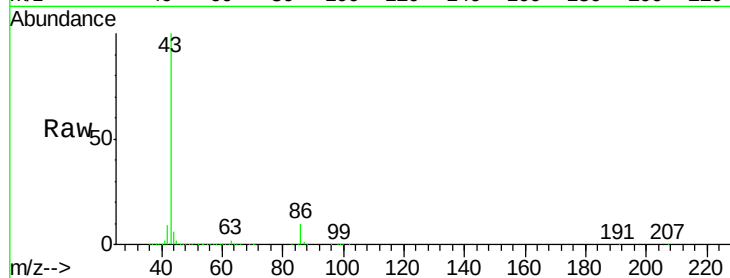
Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 19.01 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

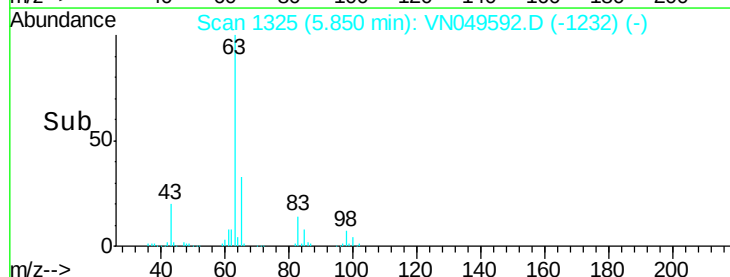
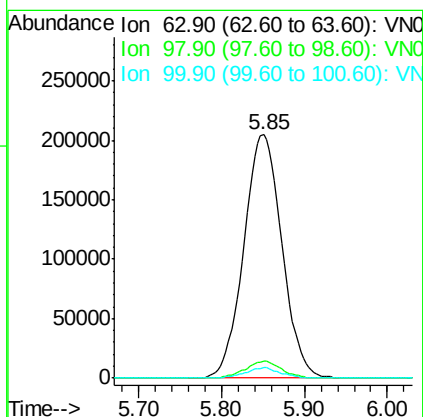
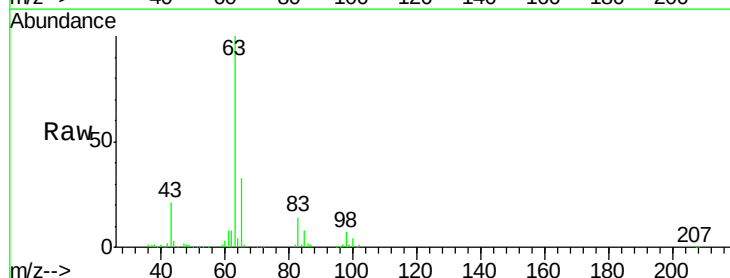
Tgt Ion: 63 Resp: 652595

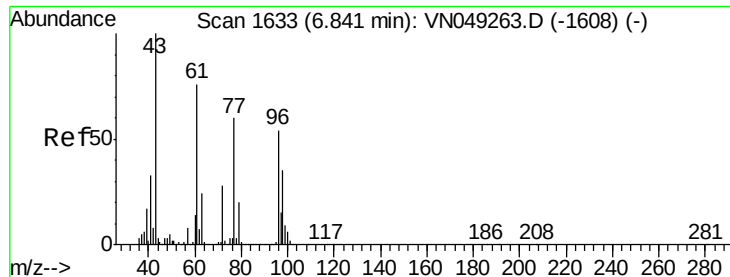
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 101.56 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 43 Resp: 651401

Ion Ratio Lower Upper

43 100

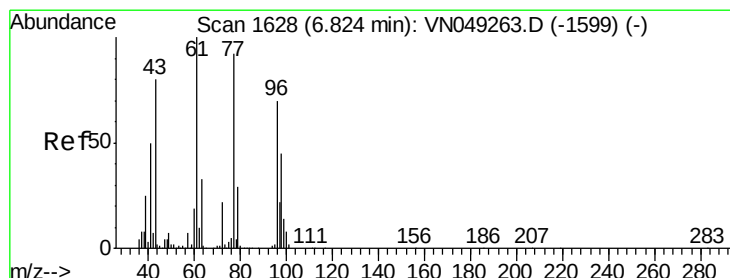
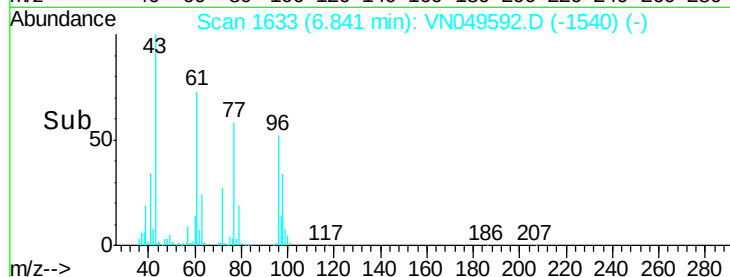
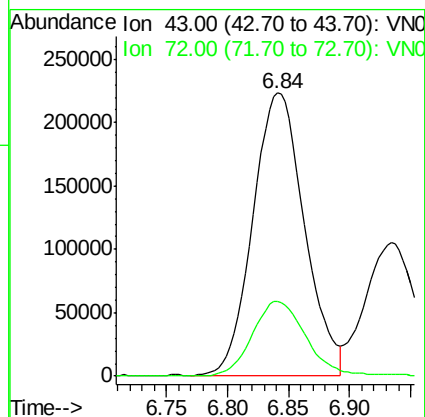
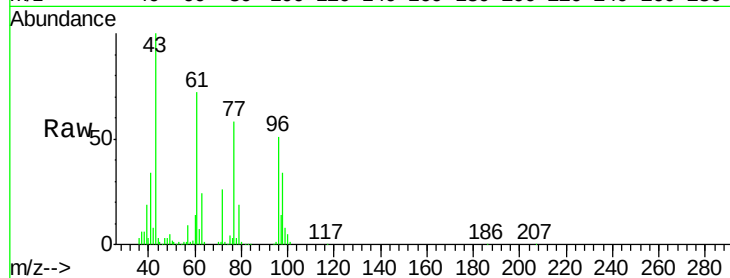
72 26.6 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.48 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049592.D

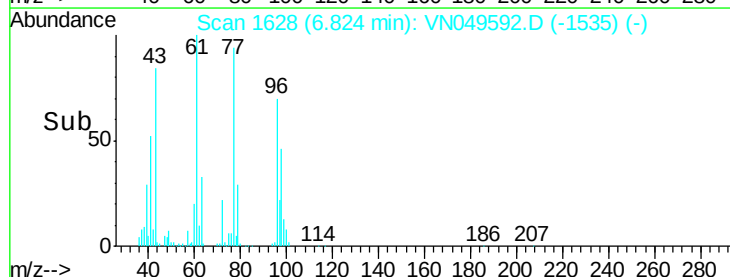
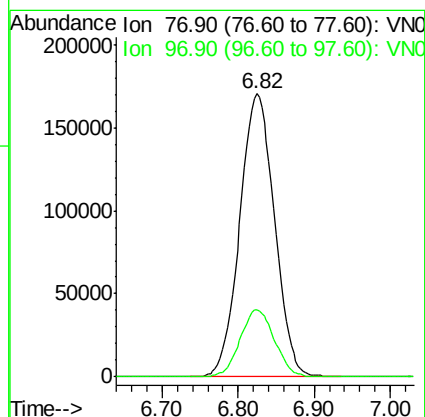
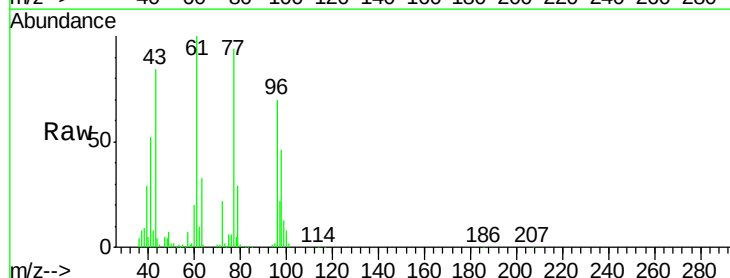
Acq: 28 Jun 2018 16:16

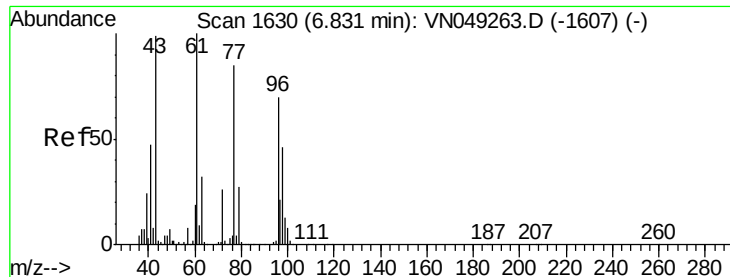
Tgt Ion: 77 Resp: 539960

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

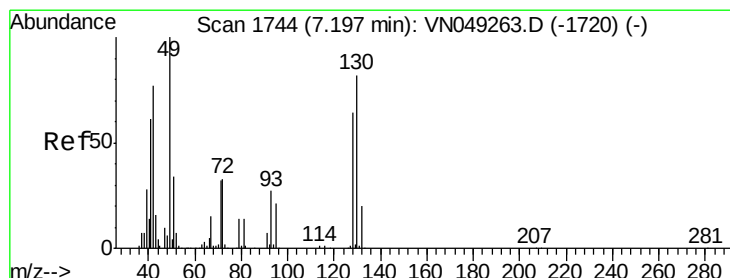
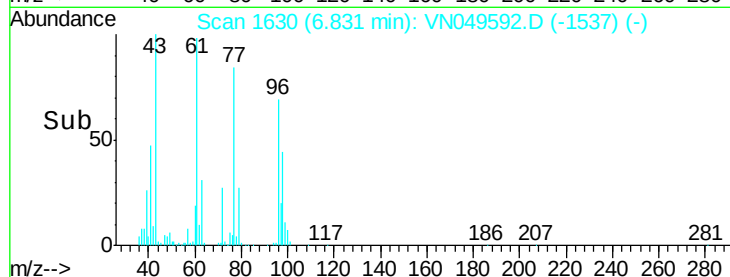
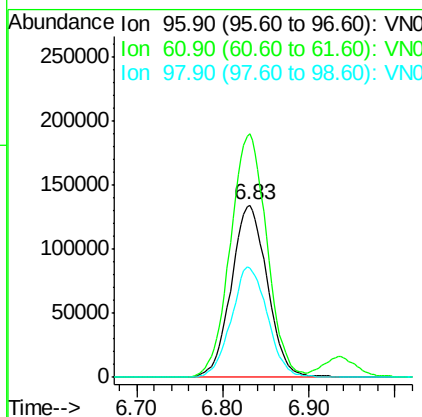
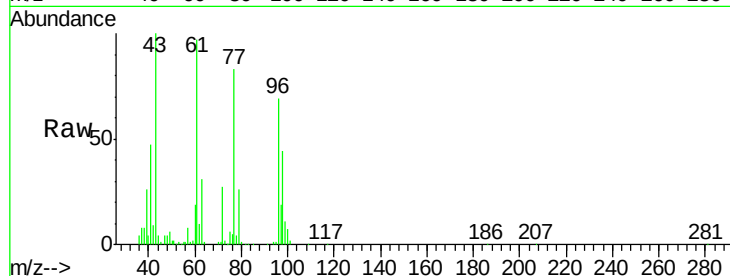
ClientSampleId :

VN0628WBSD01

Tot Ion:	96	Resp:	391370
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	316.4
98	64.3	0.0	128.4

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6/29/2018 1:46:43 PM



#28

Bromochloromethane

Concen: 19.77 ug/l

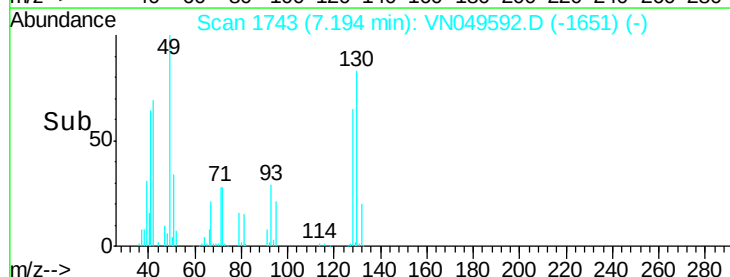
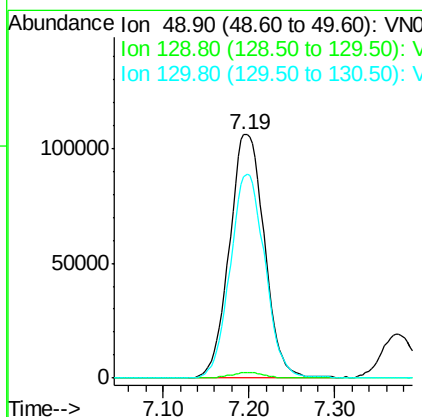
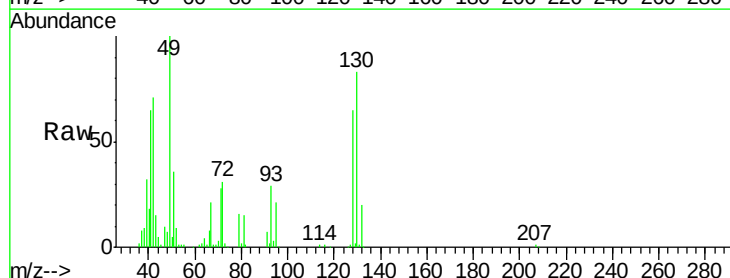
RT: 7.19 min Scan# 1743

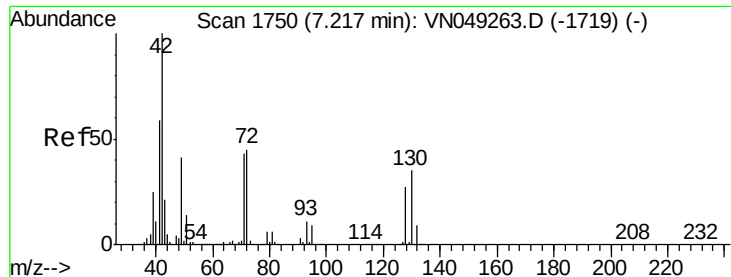
Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	49	Resp:	300767
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	83.0	54.9	82.3#





#29

Tetrahydrofuran

Concen: 105.63 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

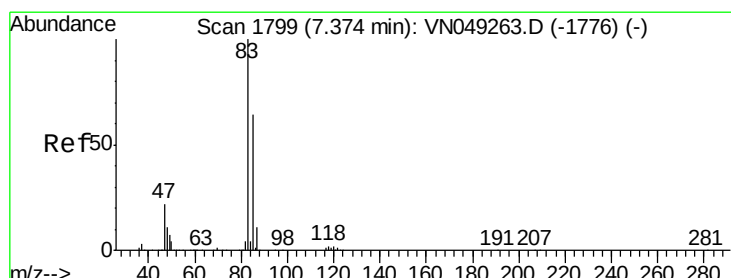
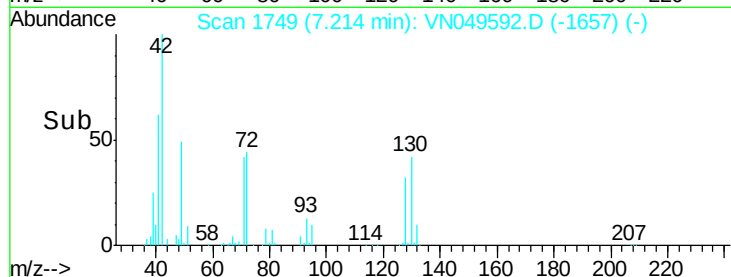
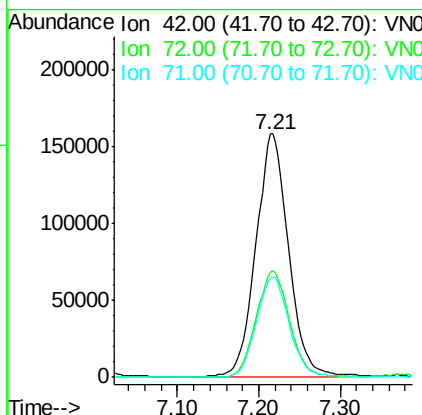
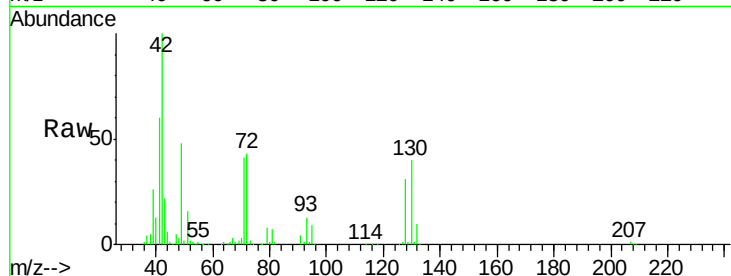
ClientSampleId :

VN0628WBSD01

Tot Ion:	42	Resp:	436134
Ion Ratio	Lower	Upper	
42	100		
72	44.4	32.2	48.4
71	41.7	30.5	45.7

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#30

Chloroform

Concen: 19.46 ug/l

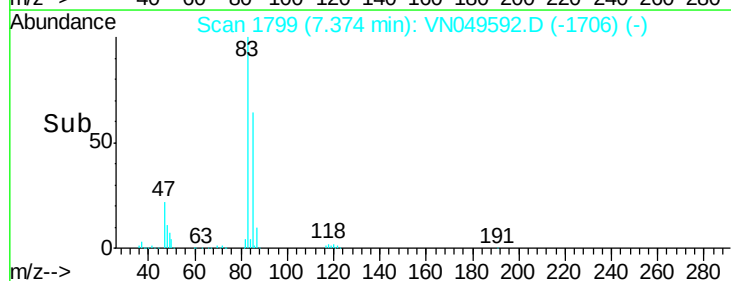
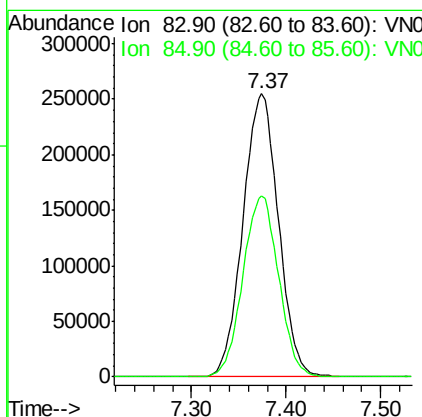
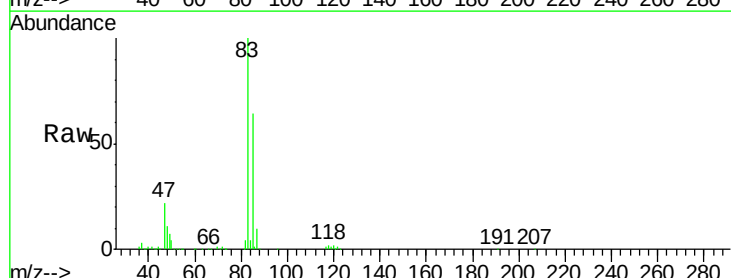
RT: 7.37 min Scan# 1799

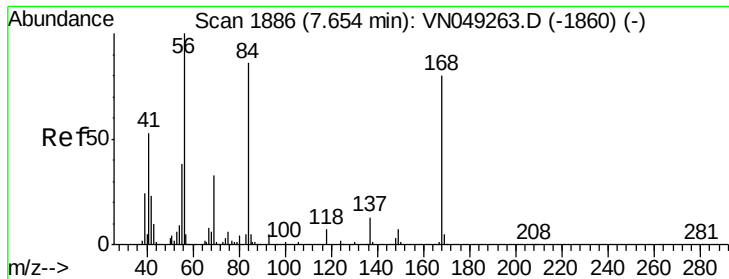
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	83	Resp:	664859
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.7	77.5





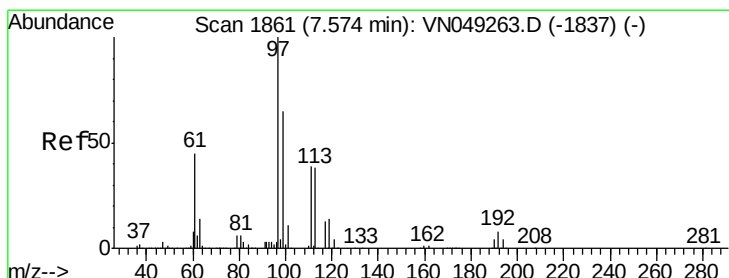
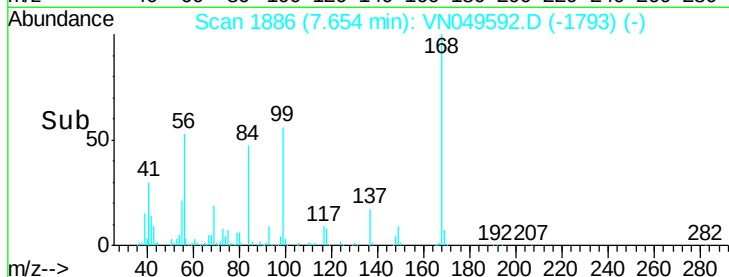
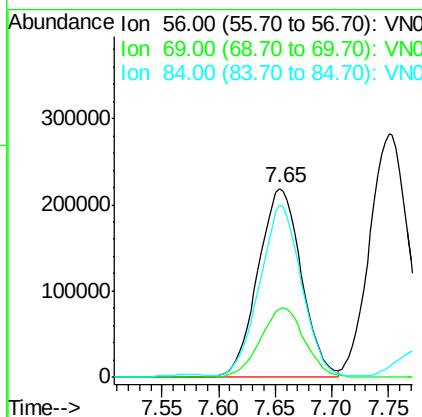
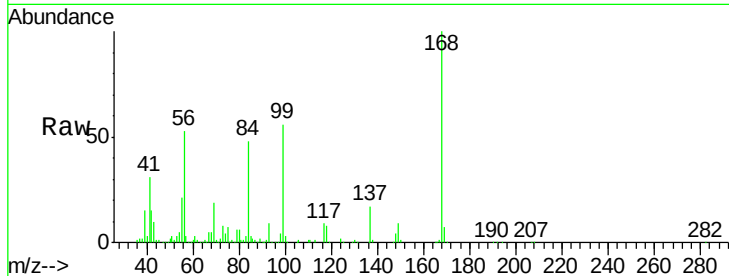
#31
Cyclohexane
Concen: 19.91 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.0	37.4
84	89.7	64.6	96.8

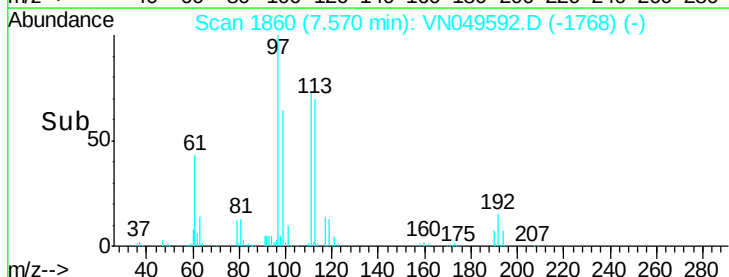
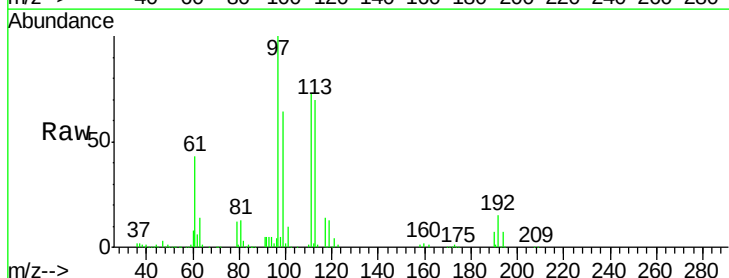
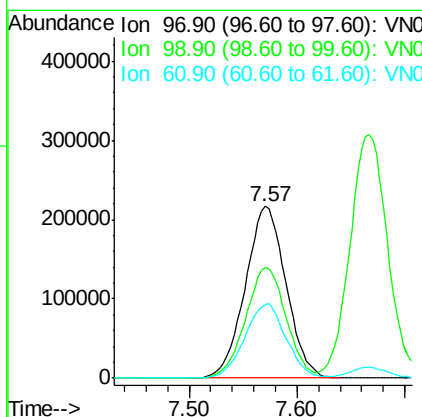
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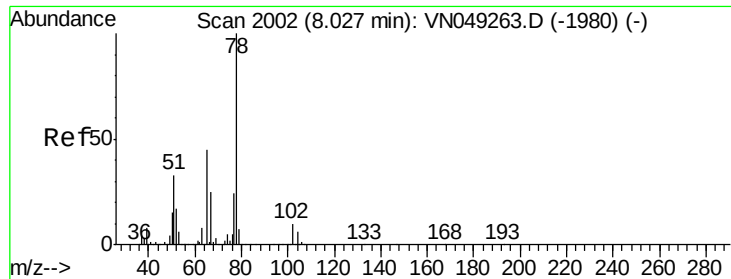
MMDadoda
6/29/2018 1:46:43 PM



#32
1,1,1-Trichloroethane
Concen: 19.49 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	43.9	37.9	56.9





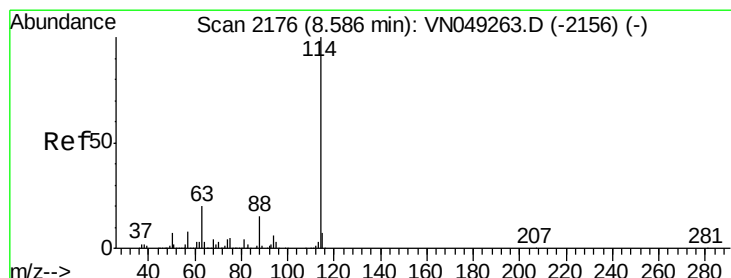
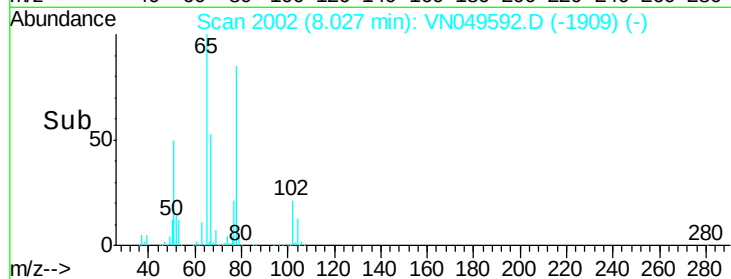
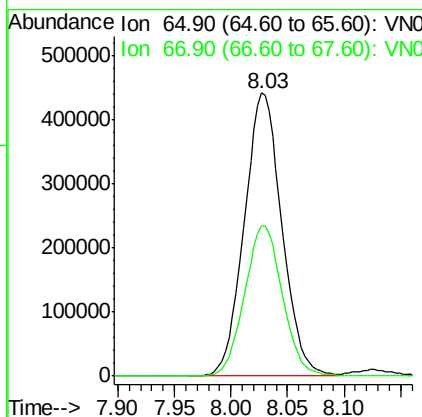
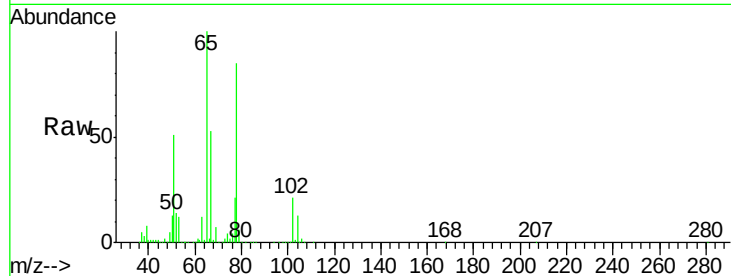
#33
 1,2-Dichloroethane-d4
 Concen: 51.97 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion: 65 Resp: 1022473
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.8

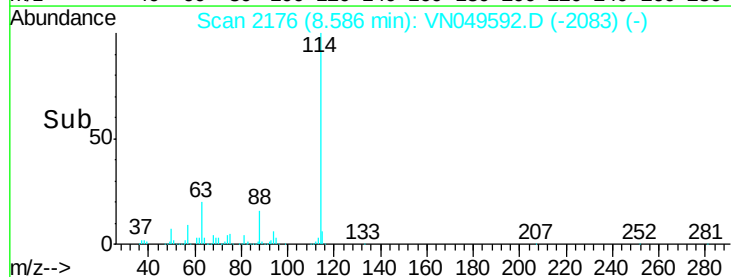
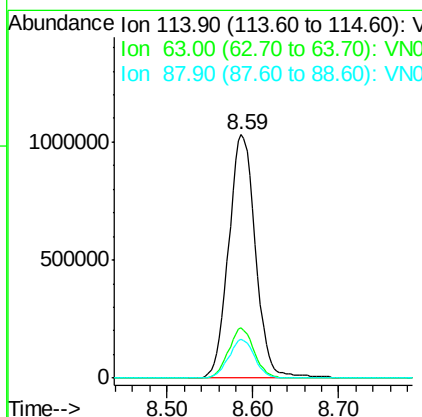
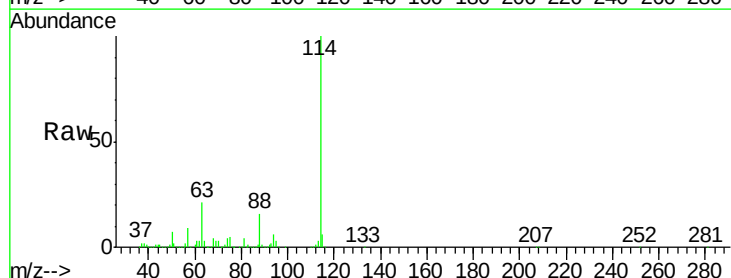
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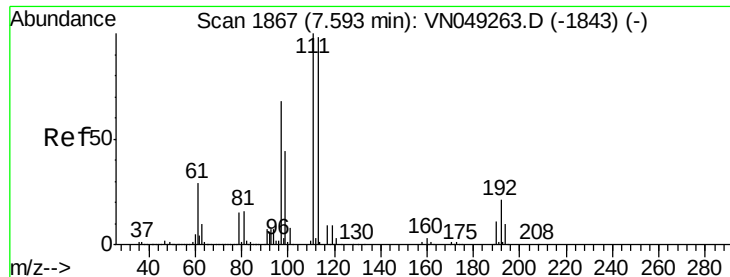
MMDadoda
 6/29/2018 1:46:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion: 114 Resp: 2237988
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 44.4
 88 15.8 0.0 31.4





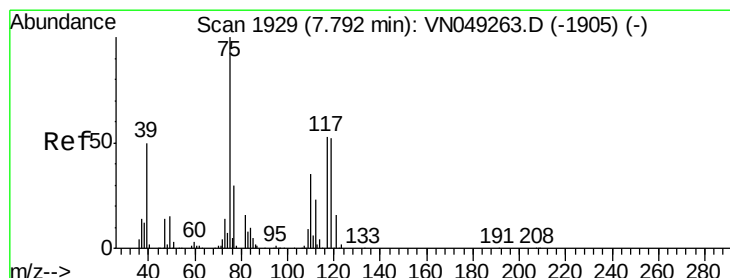
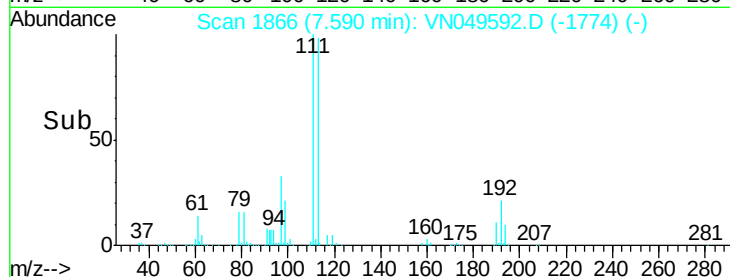
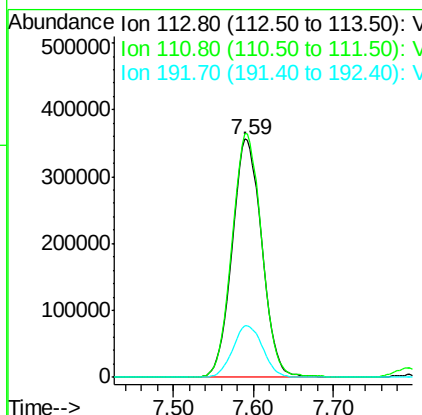
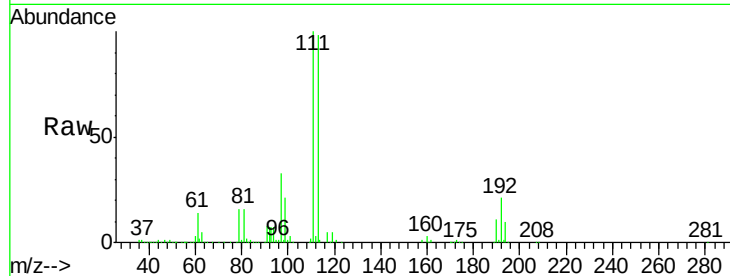
#35
Dibromofluoromethane
Concen: 49.54 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	896962		
111	102.2		82.4	123.6
192	22.0		15.0	22.6

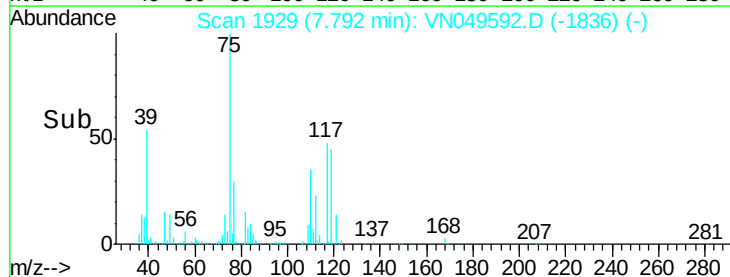
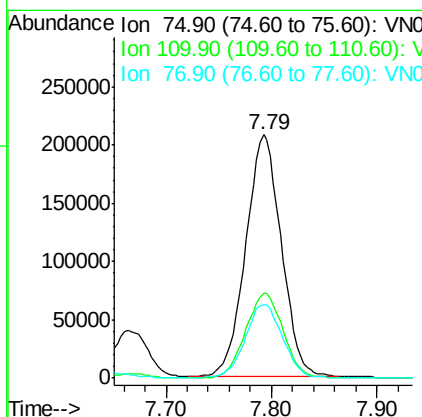
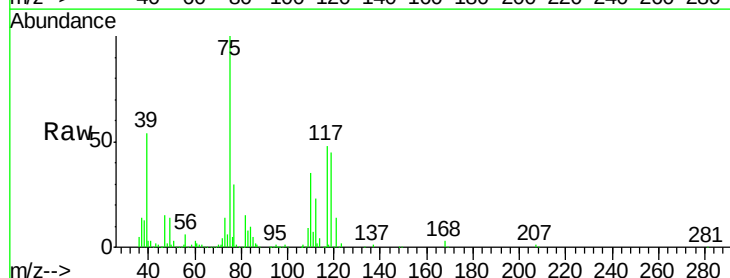
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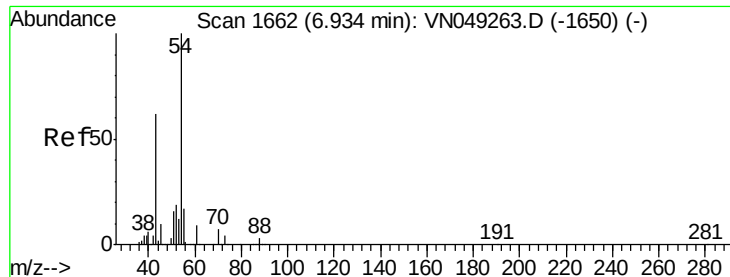
MMDadoda
6/29/2018 1:46:43 PM



#36
1,1-Dichloropropene
Concen: 19.10 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	489824		
110	37.0		17.0	50.9
77	31.8		24.4	36.6





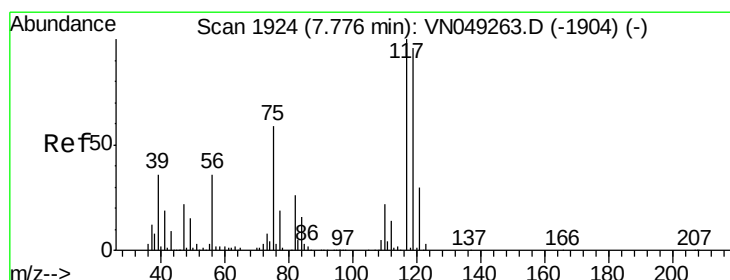
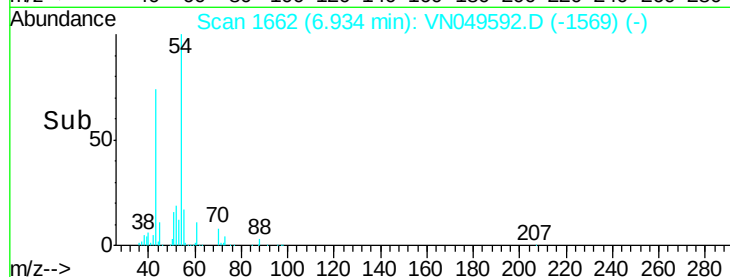
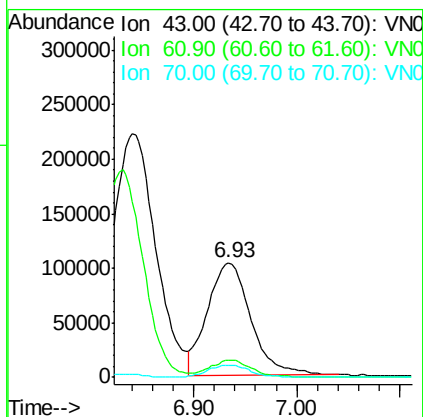
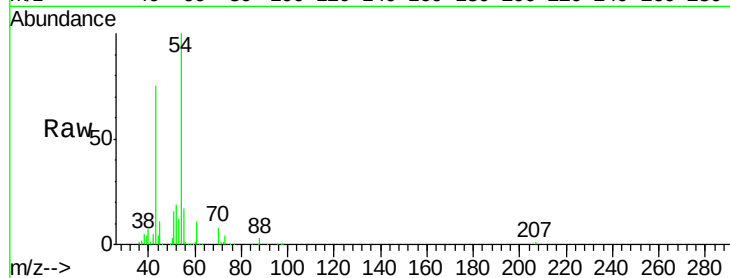
#37
Ethyl Acetate
Concen: 21.77 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	9.9	7.2	10.8

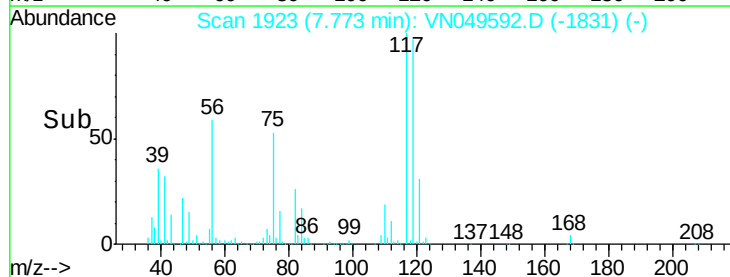
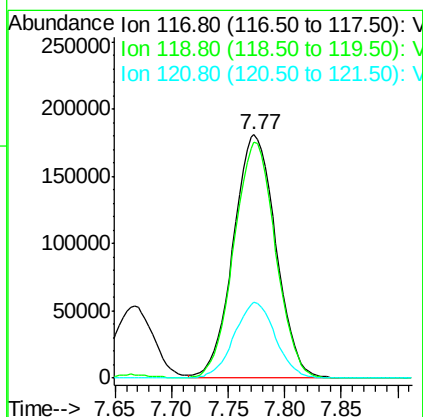
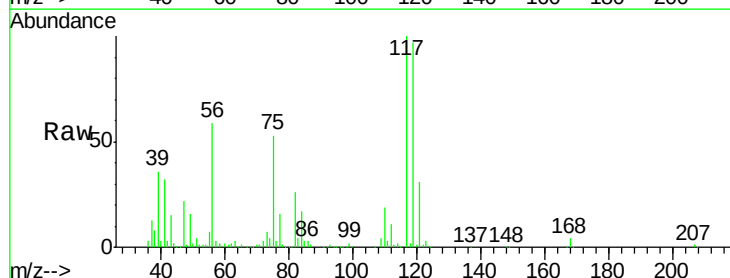
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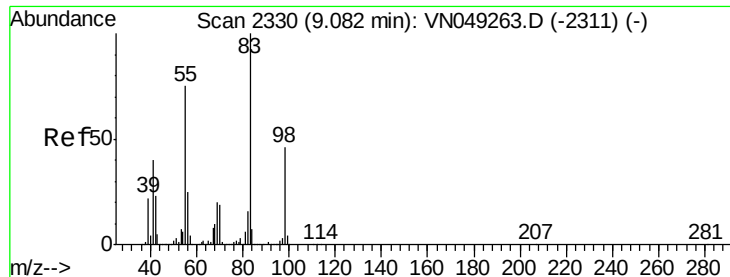
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.70 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.6	113.4
121	31.1	24.7	37.1





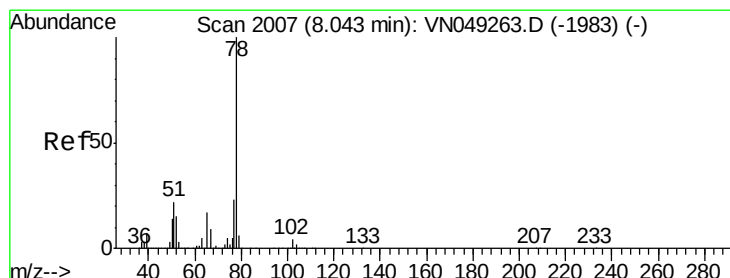
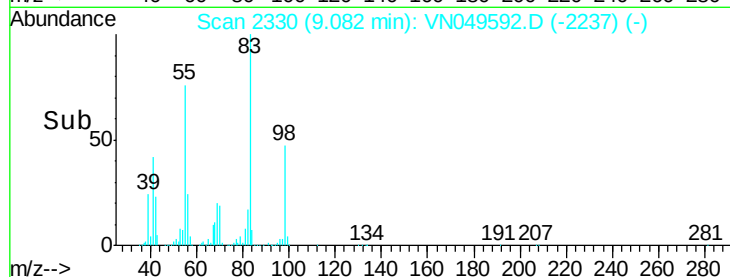
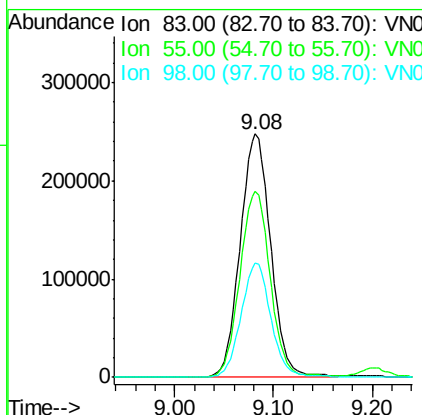
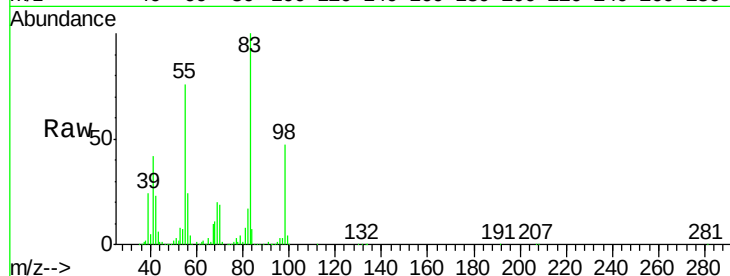
#39
Methylvlcyclohexane
Concen: 19.24 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	65.1	97.7
98	47.1	36.5	54.7

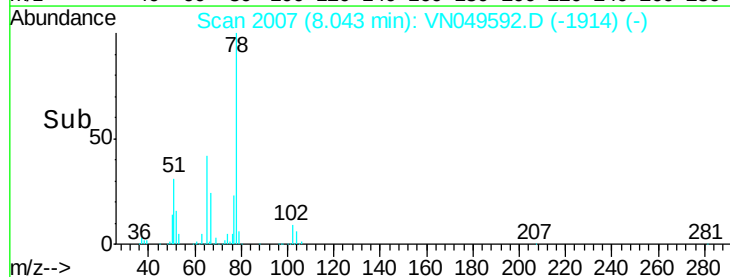
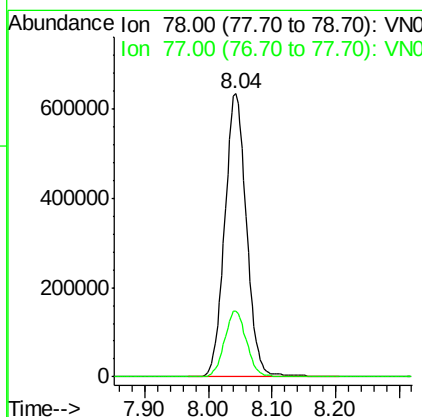
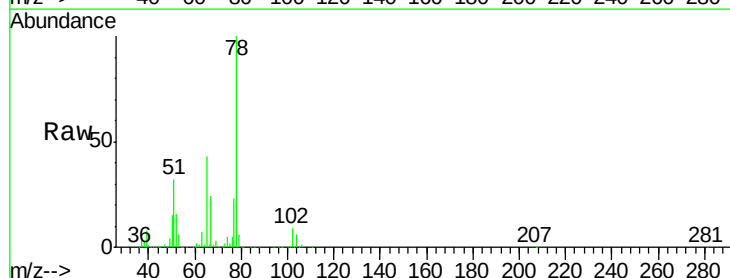
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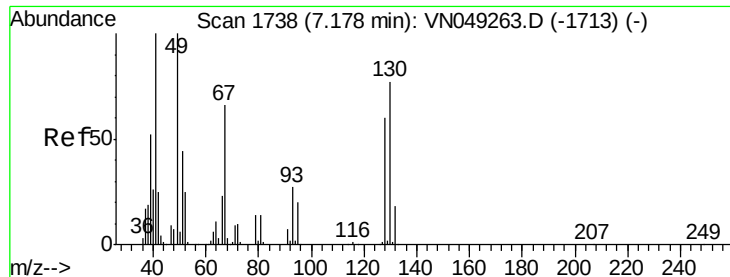
MMDadoda
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#40
Benzene
Concen: 19.18 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0





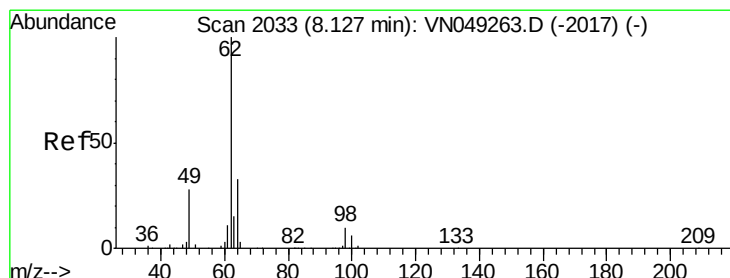
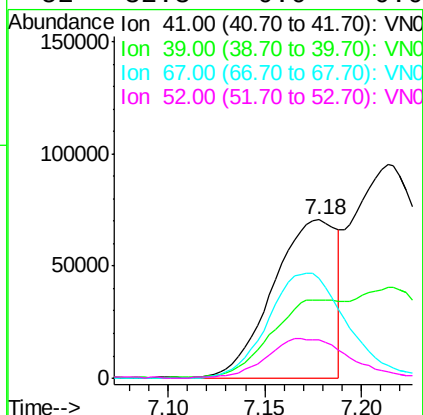
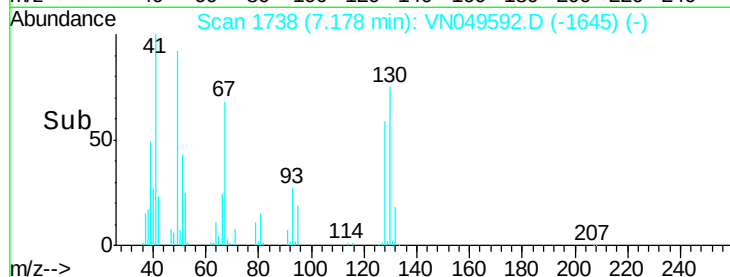
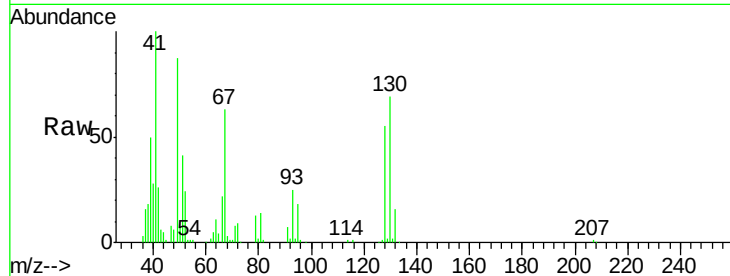
#41
Methacrylonitrile
Concen: 21.36 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	0.0	0.0#
67	83.1	0.0	0.0#
52	32.3	0.0	0.0#

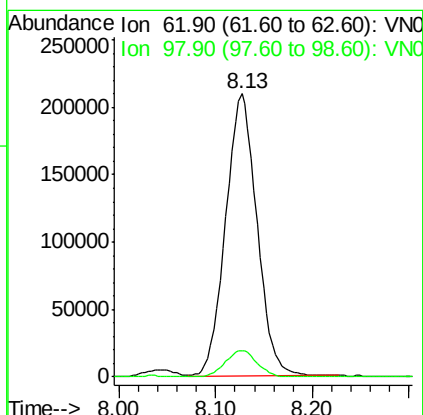
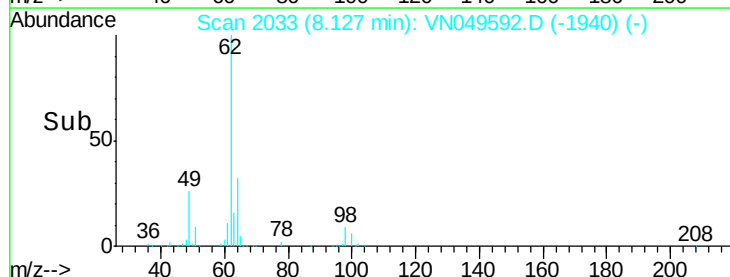
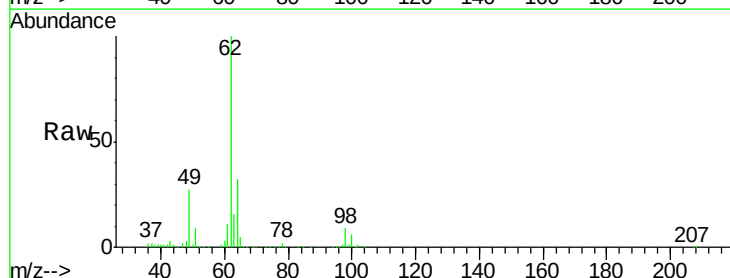
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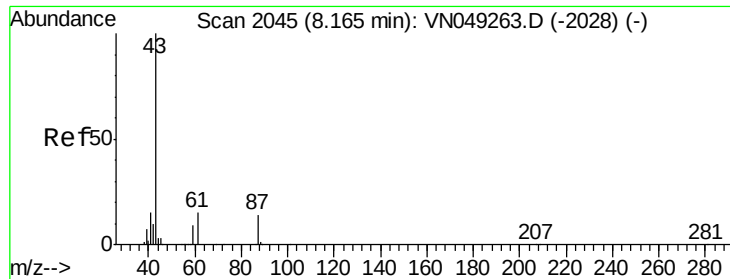
MMDadoda
6/29/2018 1:46:43 PM



#42
1,2-Dichloroethane
Concen: 19.45 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 25.50 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

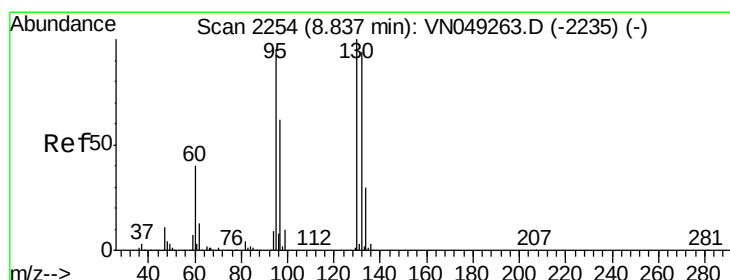
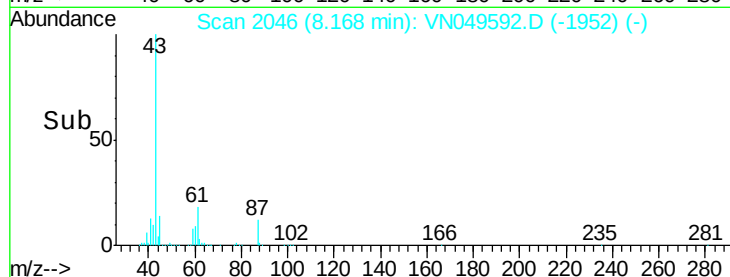
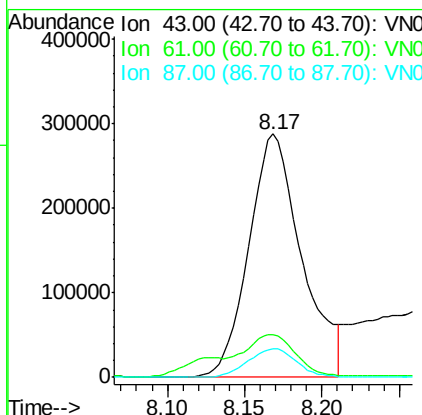
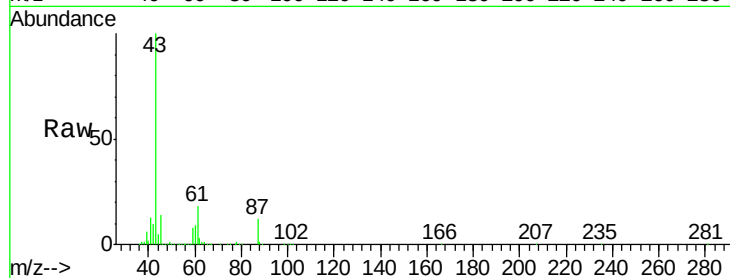
ClientSampleId :

VN0628WBSD01

Tot Ion:	43	Resp:	679429
Ion	Ratio	Lower	Upper
43	100		
61	15.6	14.2	21.4
87	10.9	9.4	14.0

Manual Integrations
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6/29/2018 1:46:43 PM



#44

Trichloroethene

Concen: 21.53 ug/l

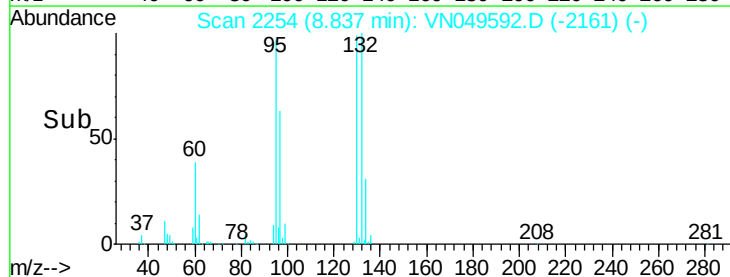
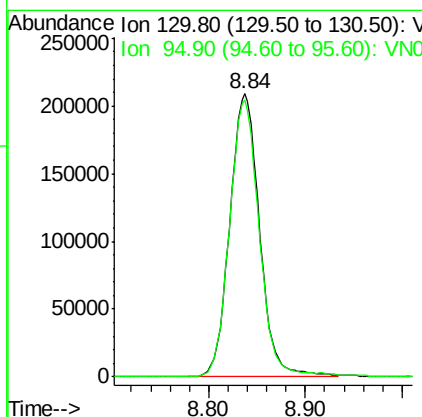
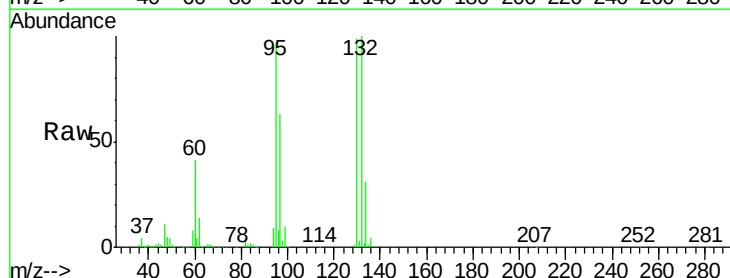
RT: 8.84 min Scan# 2254

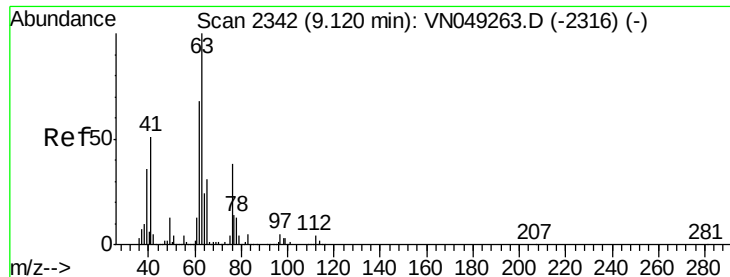
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	130	Resp:	447078
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	208.6





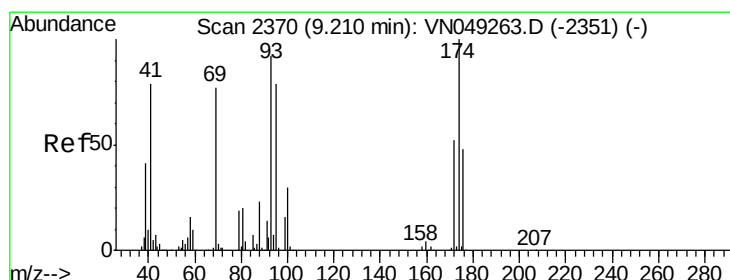
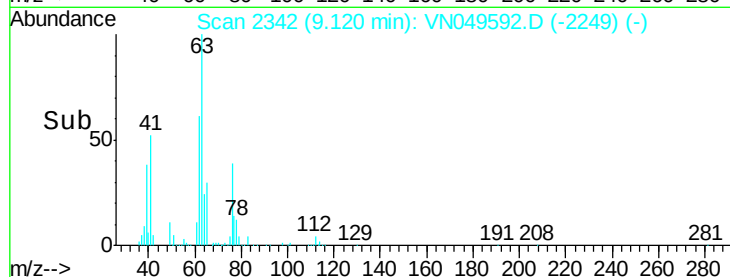
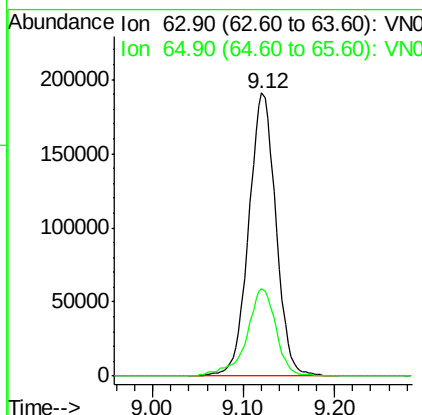
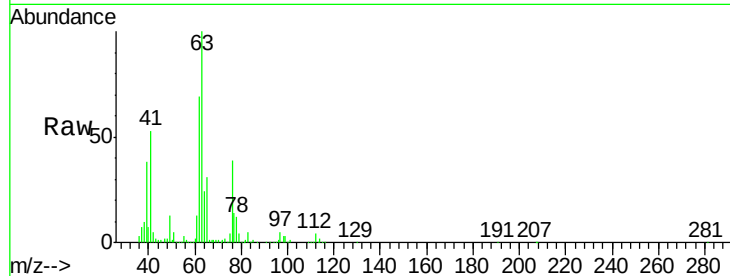
#45
 1,2-Dichloropropane
 Concen: 19.24 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

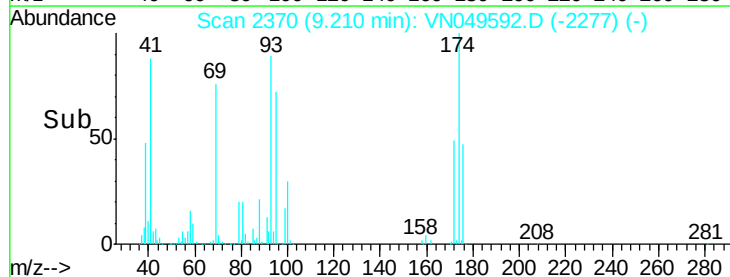
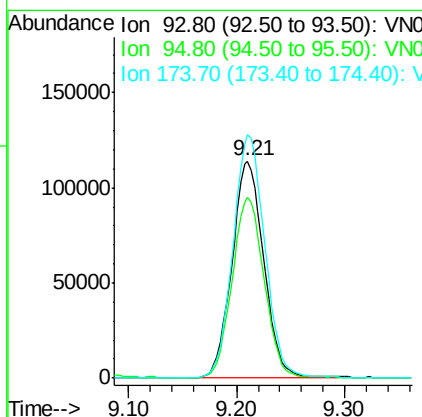
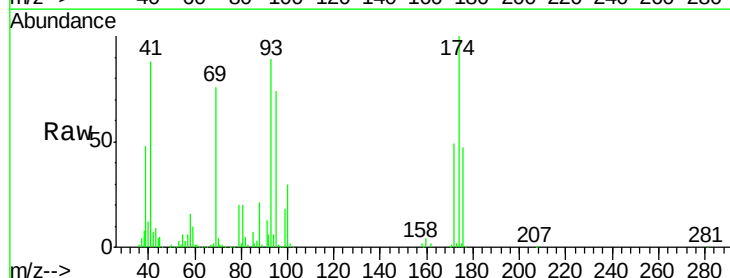
Manual Integrations
 APPROVED

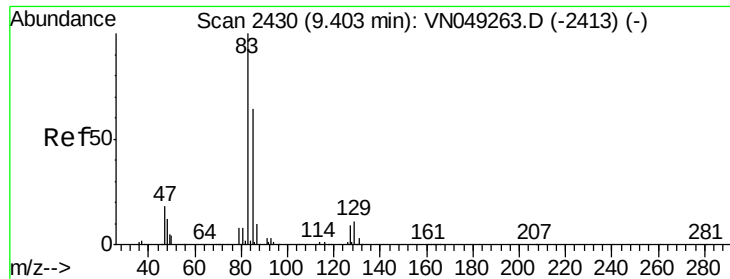
MMDadoda
 6/29/2018 1:46:43 PM



#46
 Dibromomethane
 Concen: 19.65 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.2	100.8
174	112.8	75.6	113.4





#47

Bromodichloromethane

Concen: 18.87 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

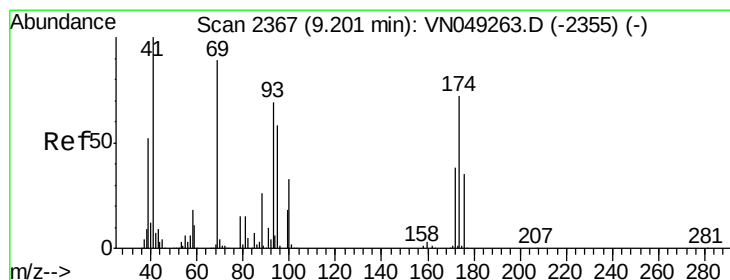
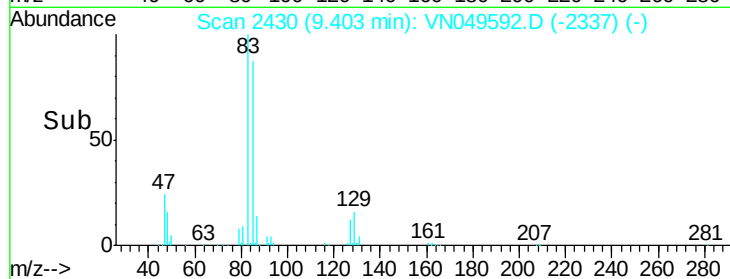
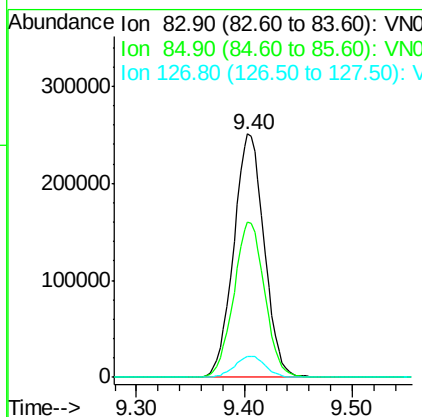
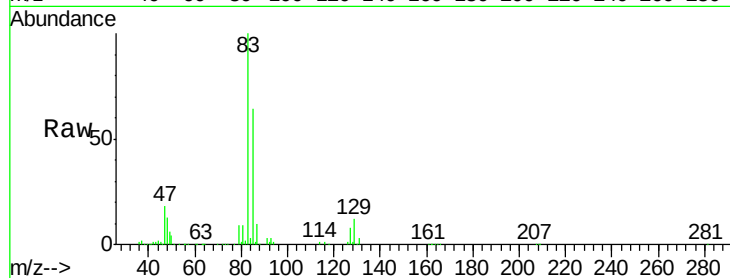
ClientSampleId :

VN0628WBSD01

Tot Ion:	83	Resp:	494991
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.4	74.0
127	8.4	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.54 ug/l

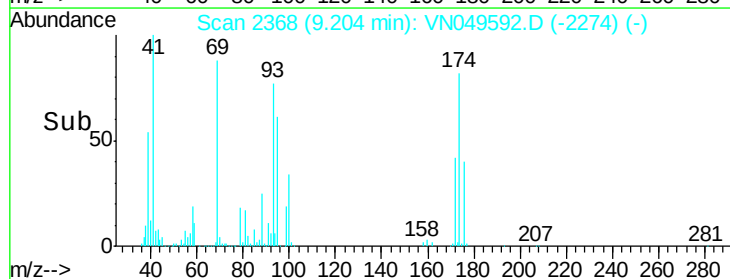
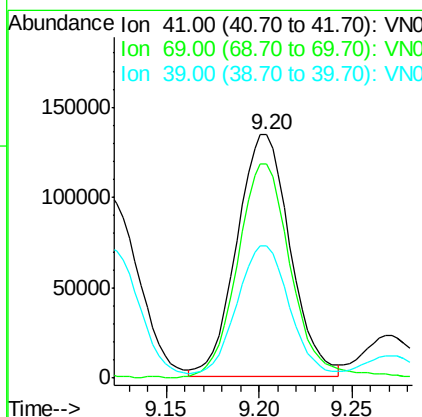
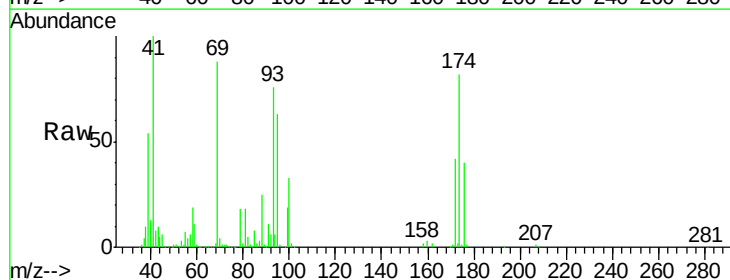
RT: 9.20 min Scan# 2368

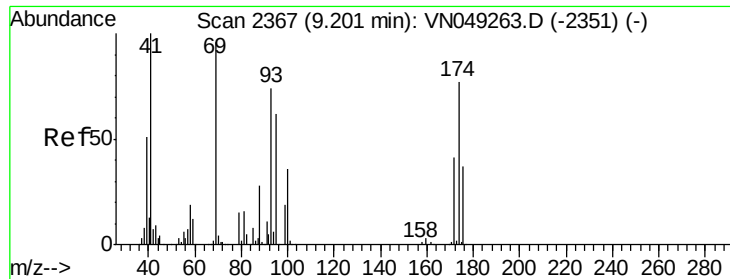
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	41	Resp:	270235
Ion Ratio	Lower	Upper	
41	100		
69	87.3	62.0	93.0
39	53.7	50.6	75.8





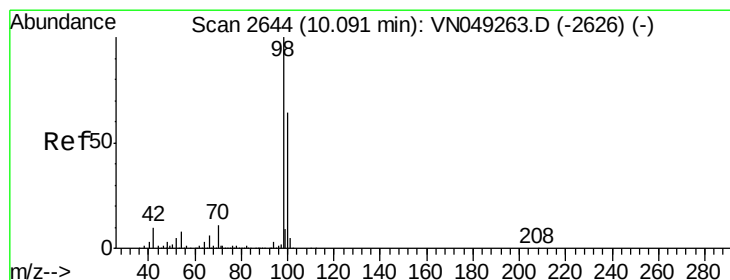
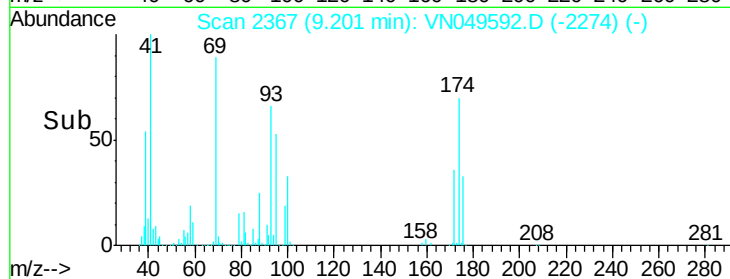
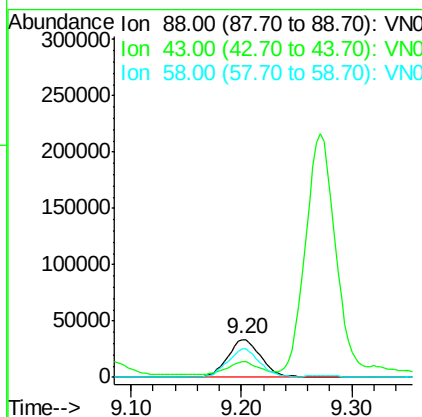
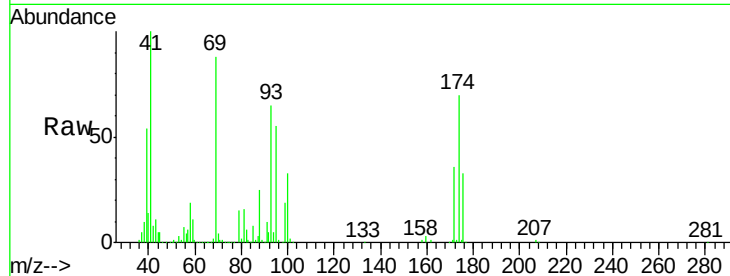
#49
1,4-Dioxane
Concen: 408.66 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	30.9	46.3
58	73.1	58.9	88.3

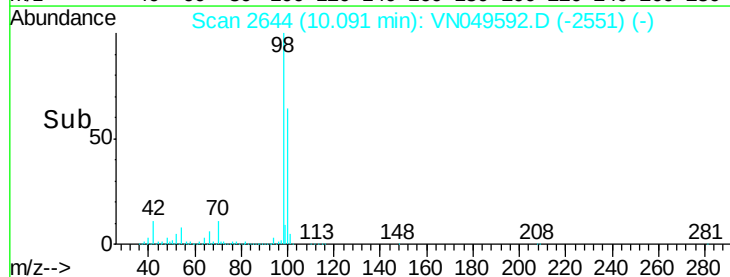
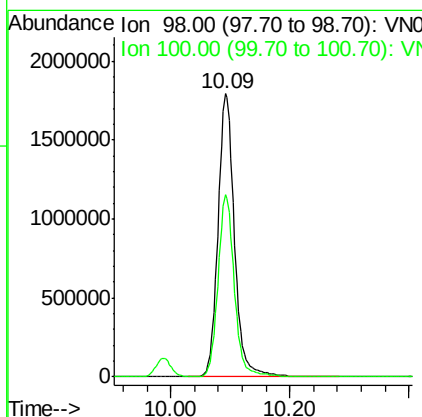
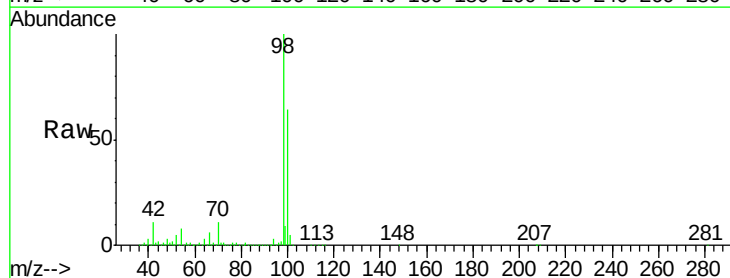
Manual Integrations
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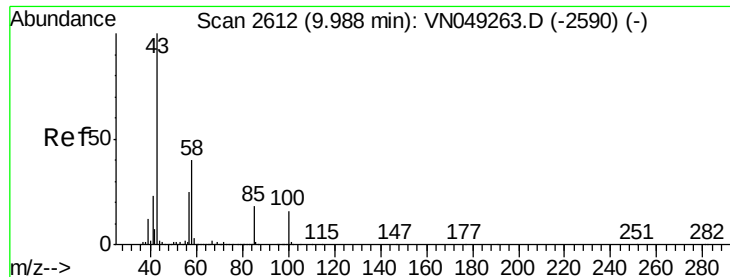
MMDadoda
6/29/2018 1:46:43 PM



#50
Toluene-d8
Concen: 49.55 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	49.8	74.8





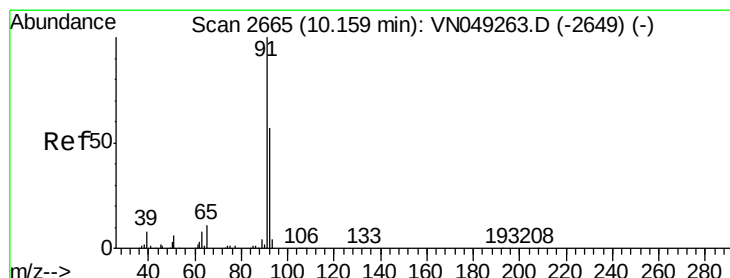
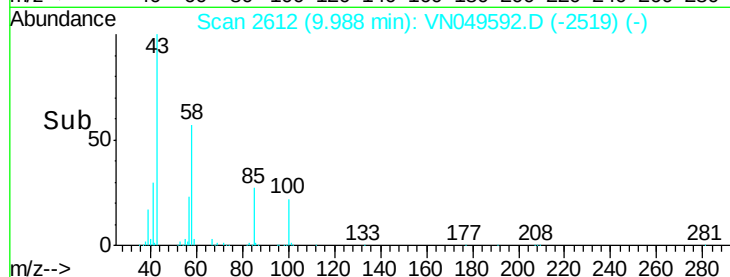
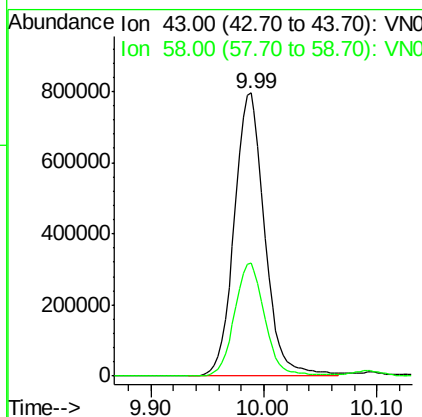
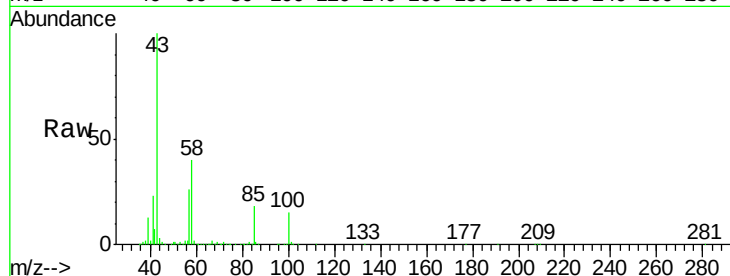
#51
4-Methyl-2-Pentanone
Concen: 106.10 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion: 43 Resp: 1481460
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.6

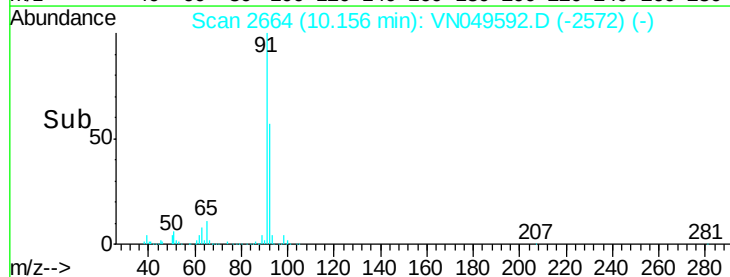
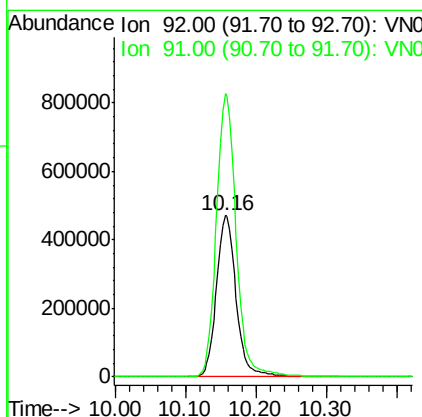
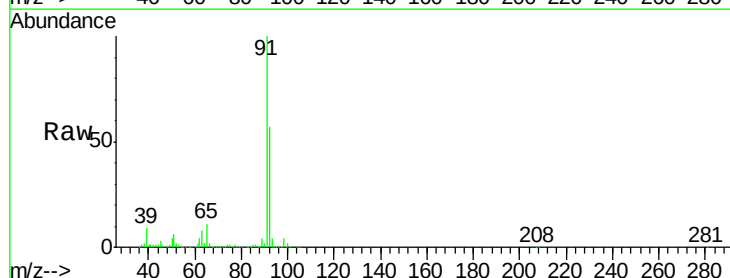
Manual Integrations
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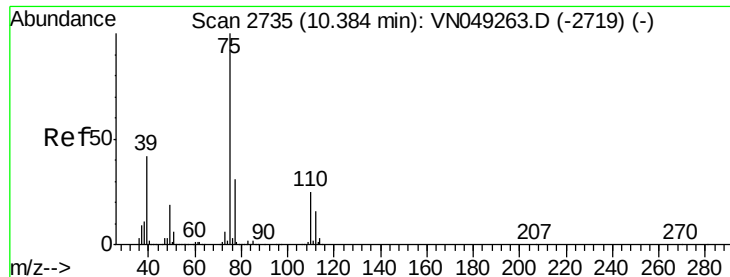
MMDadoda
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#52
Toluene
Concen: 19.87 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 92 Resp: 917018
Ion Ratio Lower Upper
92 100
91 176.0 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.75 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 75 Resp: 470503

Ion Ratio Lower Upper

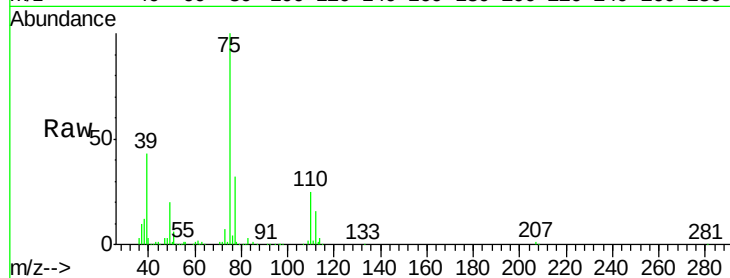
75 100

77 32.1 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

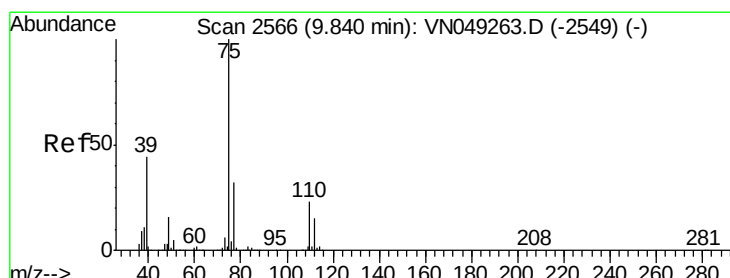
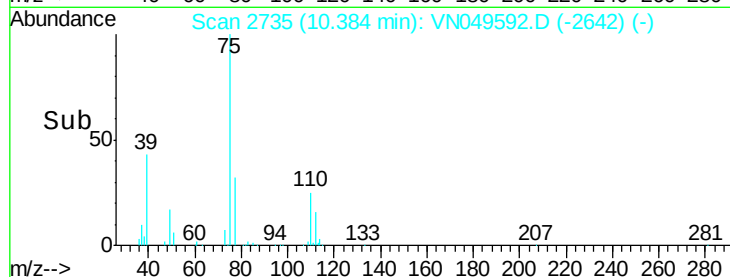
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.58 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

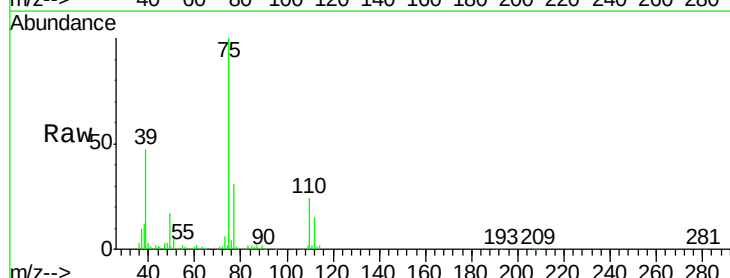
Tgt Ion: 75 Resp: 550489

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 46.4 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

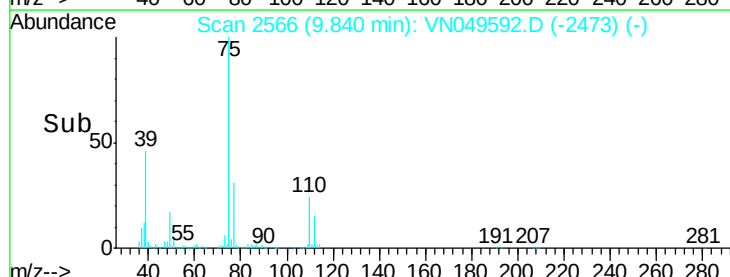
300000

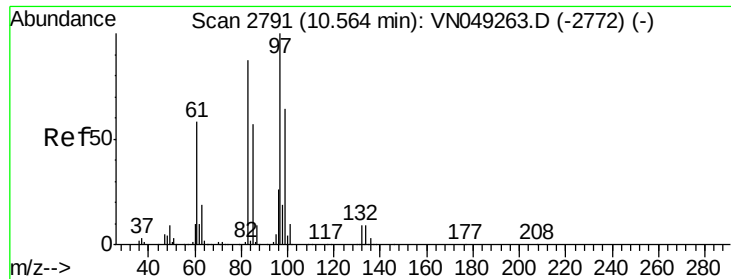
200000

100000

0

Time-->





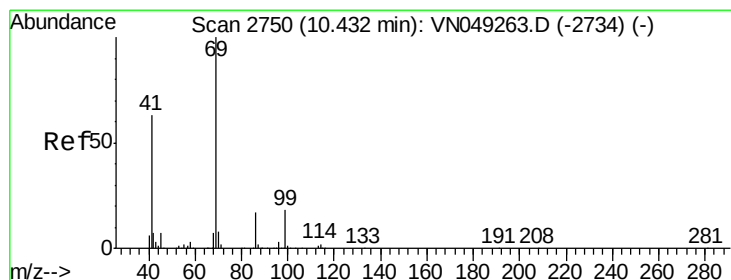
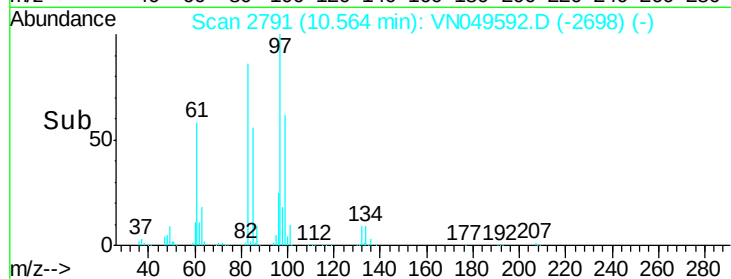
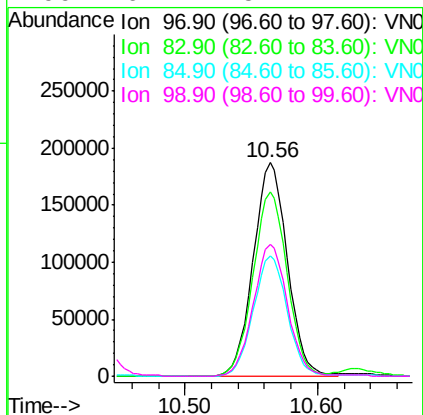
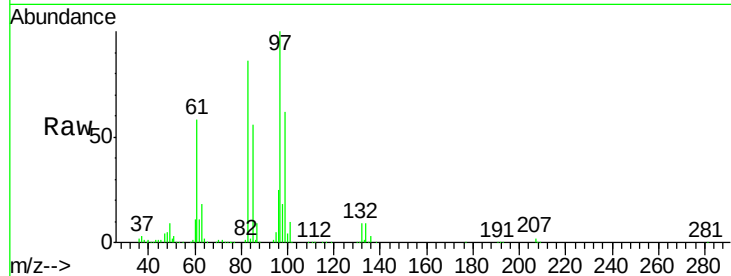
#55
 1,1,2-Trichloroethane
 Concen: 19.47 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion:	97	Resp:	334949
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.5	107.3
85	56.2	47.0	70.4
99	61.7	51.4	77.2

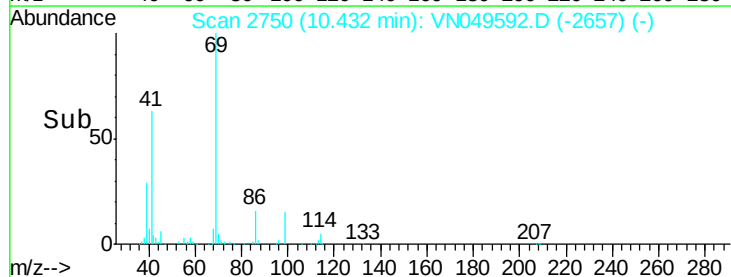
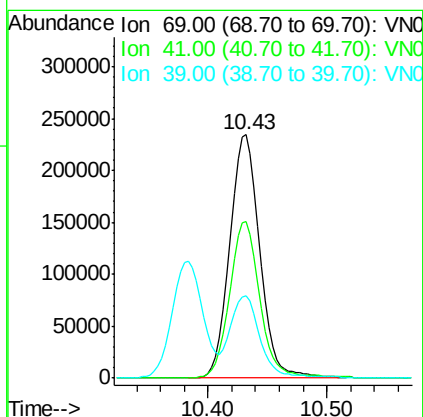
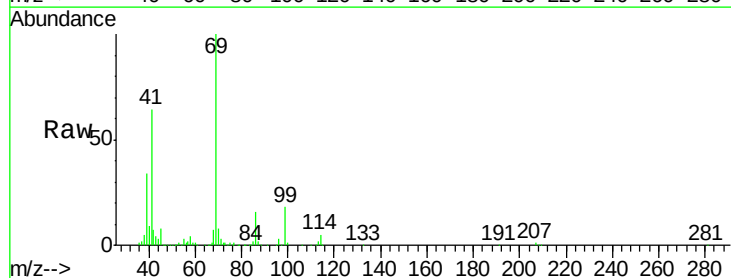
Manual Integrations
 APPROVED

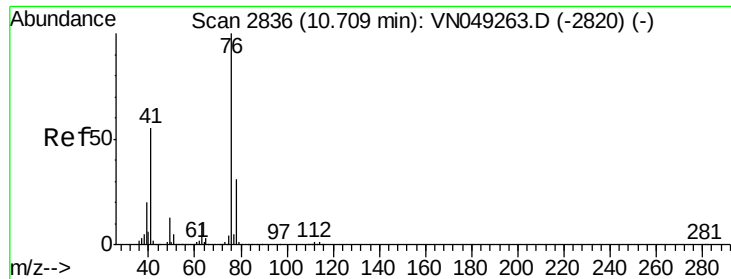
MMDadoda
 6/29/2018 1:46:43 PM



#56
 Ethyl methacrylate
 Concen: 20.69 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion:	69	Resp:	410704
Ion	Ratio	Lower	Upper
69	100		
41	63.3	58.4	87.6
39	33.1	35.5	53.3#





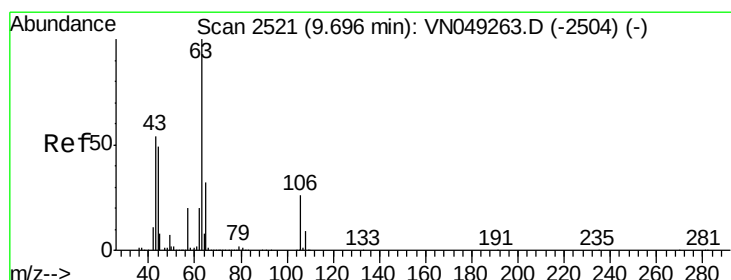
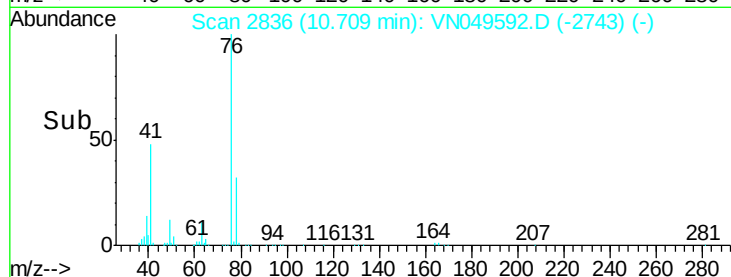
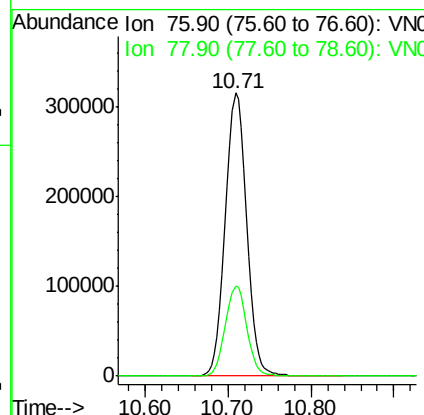
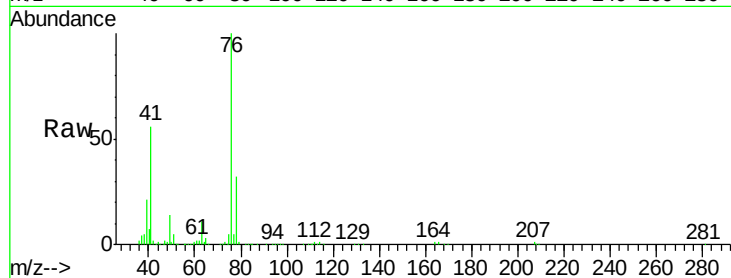
#57
 1,3-Dichloropropane
 Concen: 19.79 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

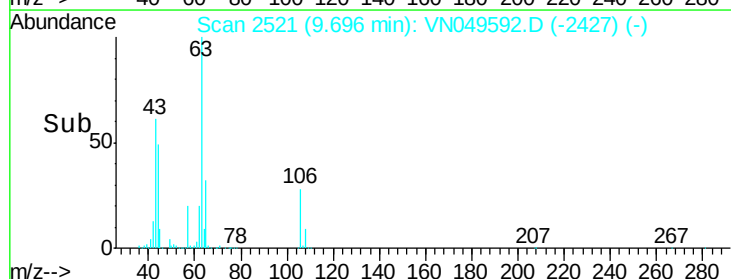
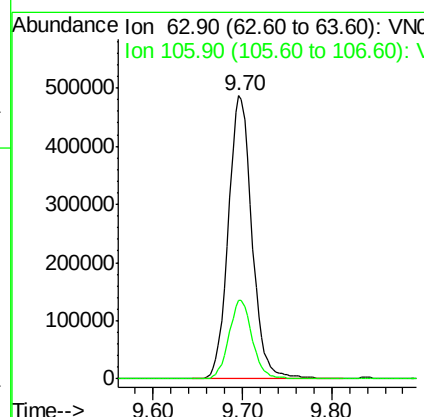
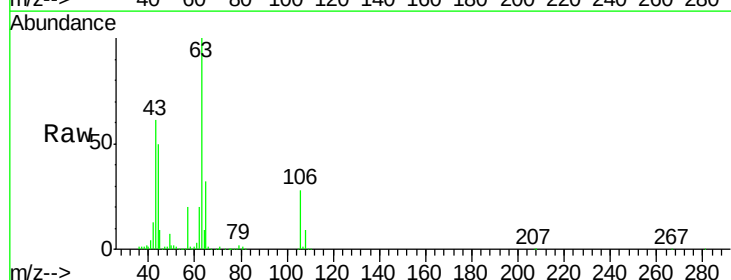
Manual Integrations
 APPROVED

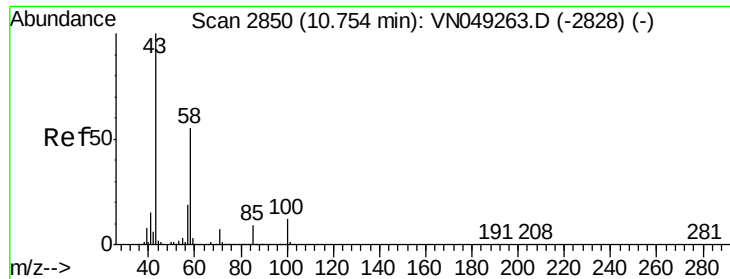
MMDadoda
 6/29/2018 1:46:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.14 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	19.4	29.2





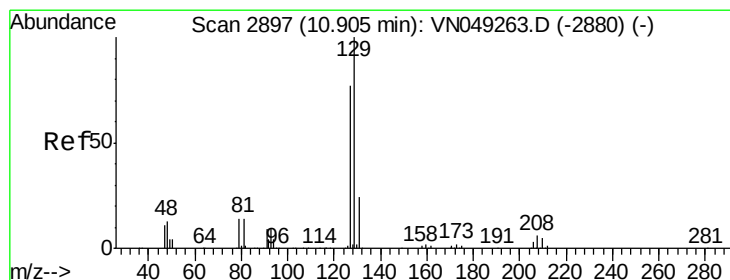
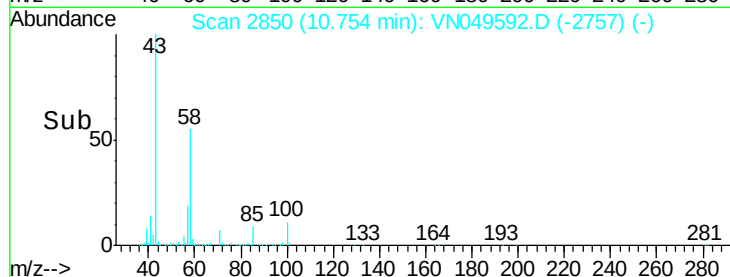
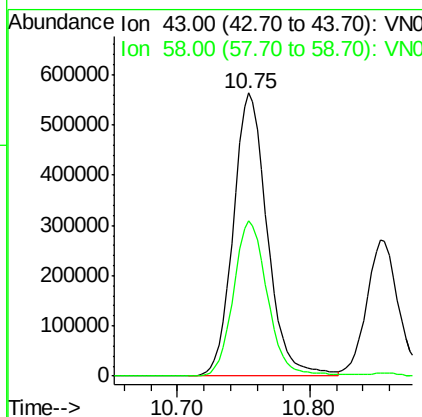
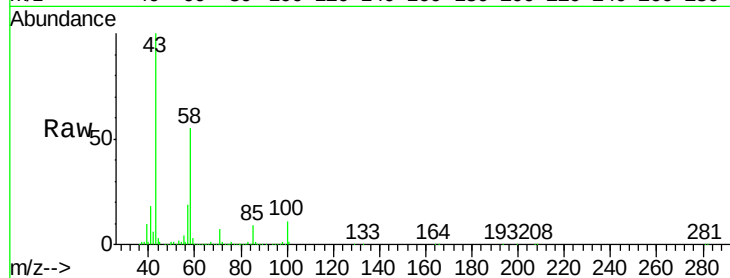
#59
2-Hexanone
Concen: 110.66 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion: 43 Resp: 996179
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

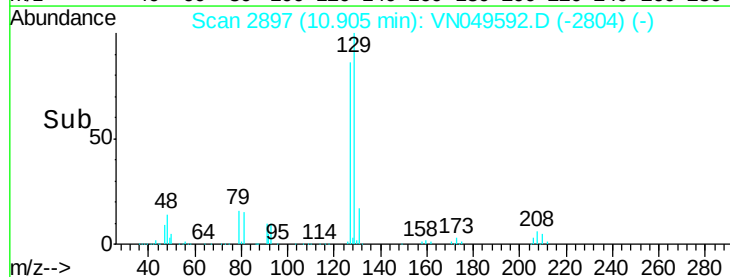
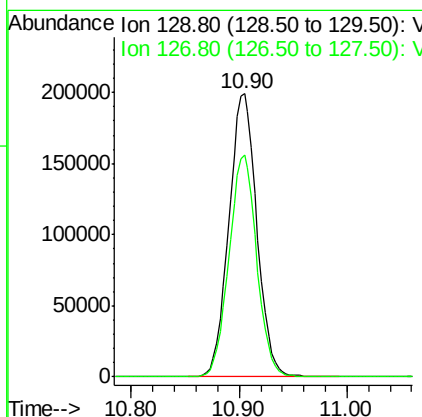
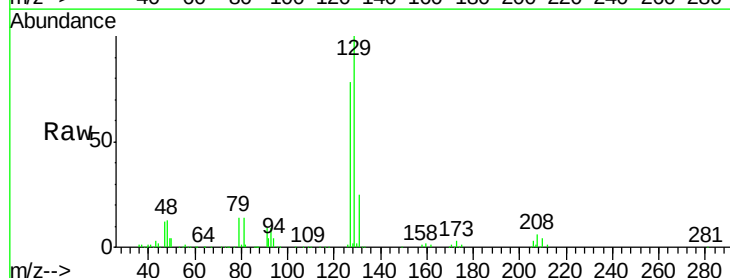
Manual Integrations
APPROVED

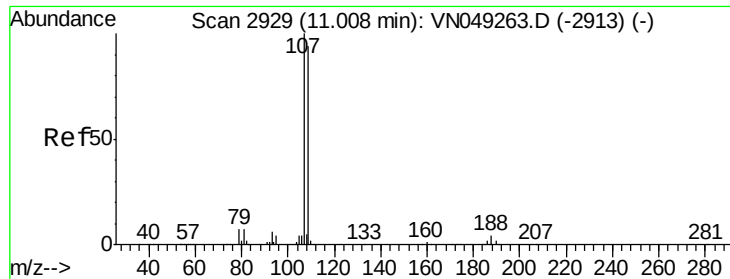
MMDadoda
6/29/2018 1:46:43 PM



#60
Dibromochloromethane
Concen: 18.74 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 129 Resp: 359912
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





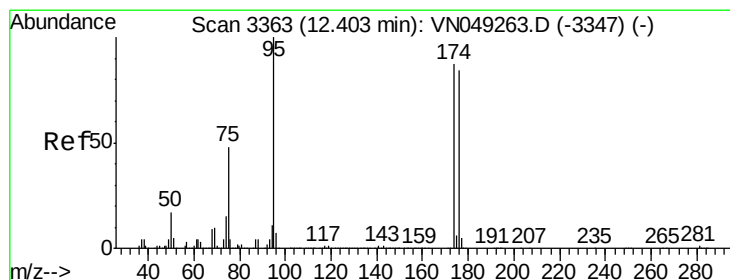
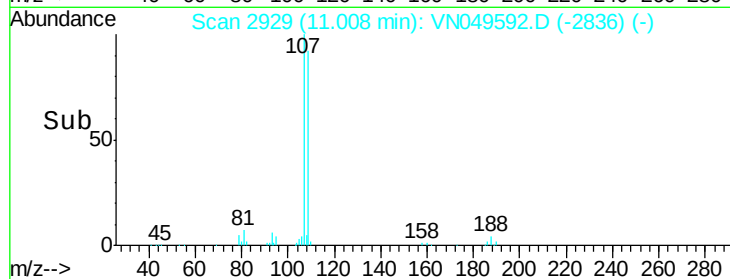
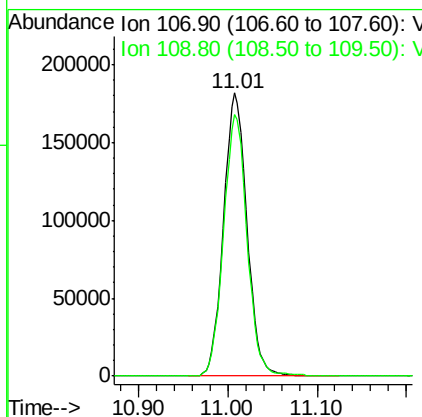
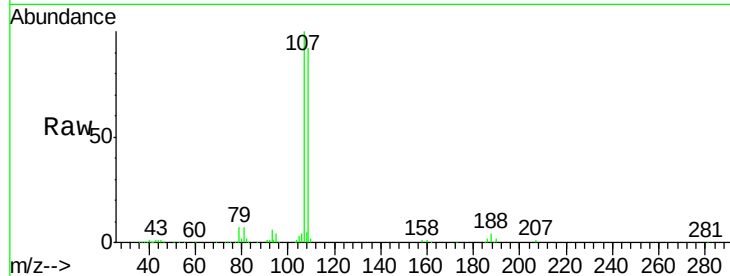
#61
 1,2-Dibromoethane
 Concen: 20.66 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.4	113.2

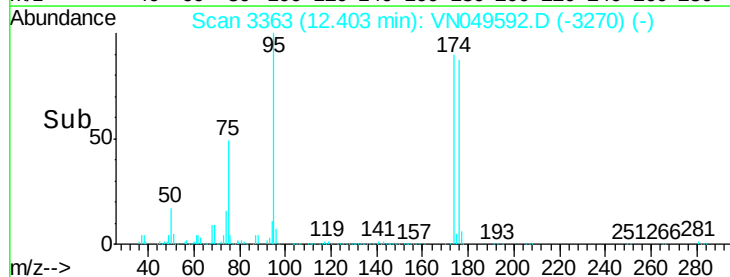
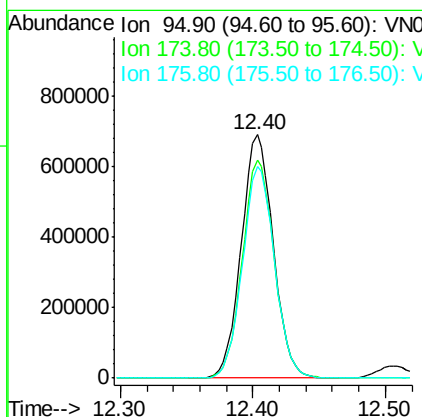
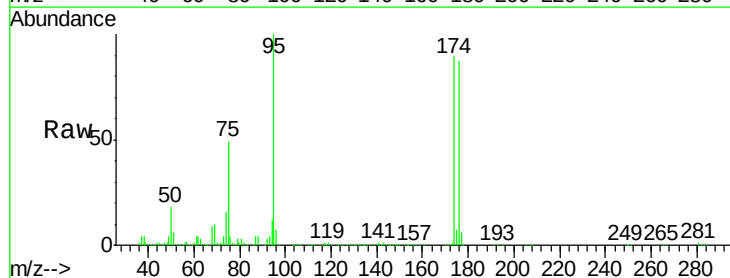
Manual Integrations
 APPROVED

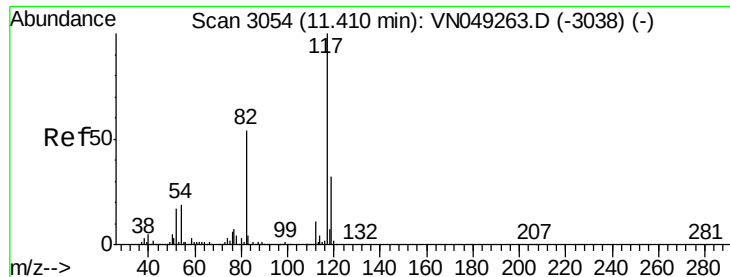
MMDadoda
 6/29/2018 1:46:43 PM



#62
 4-Bromofluorobenzene
 Concen: 50.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	165.6
176	87.0	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: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion:117 Resp: 2014768

Ion Ratio Lower Upper

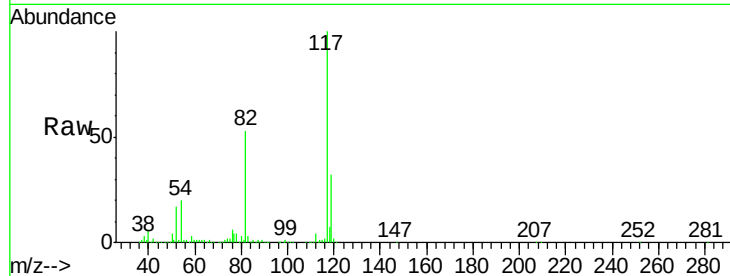
117 100

82 53.4 45.9 68.9

119 32.5 25.5 38.3

Manual Integrations
APPROVED

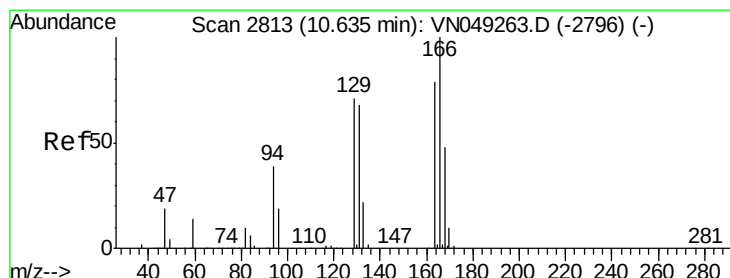
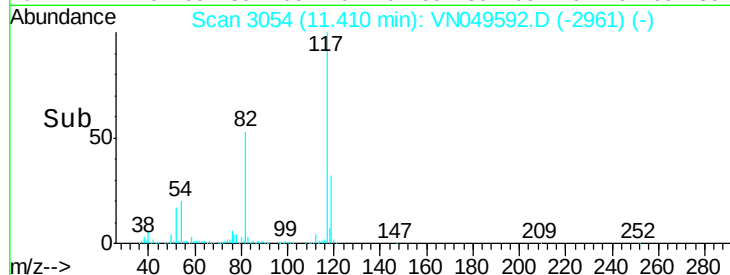
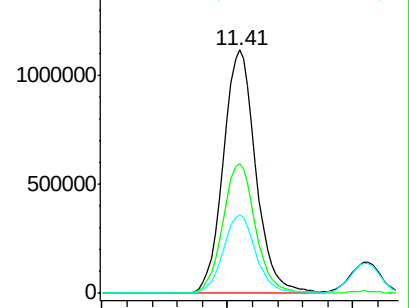
MMDadoda
6/29/2018 1:46:43 PM



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: 25.45 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:164 Resp: 525420

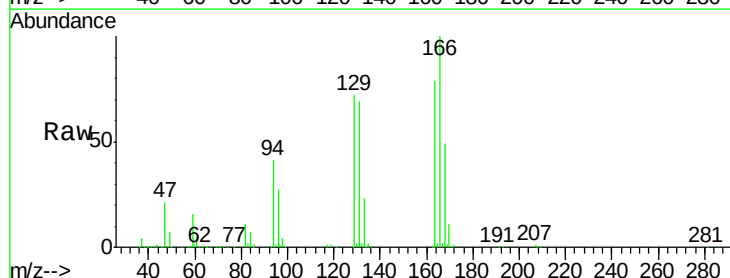
Ion Ratio Lower Upper

164 100

166 125.9 101.4 152.2

129 90.8 74.1 111.1

131 86.2 73.7 110.5

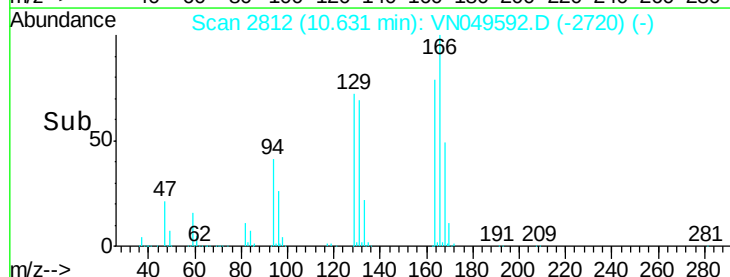
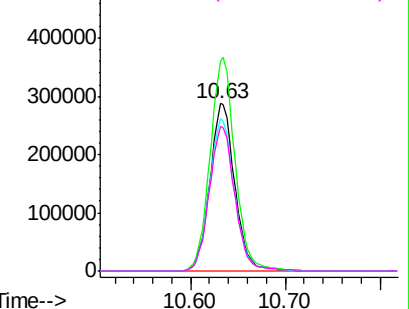


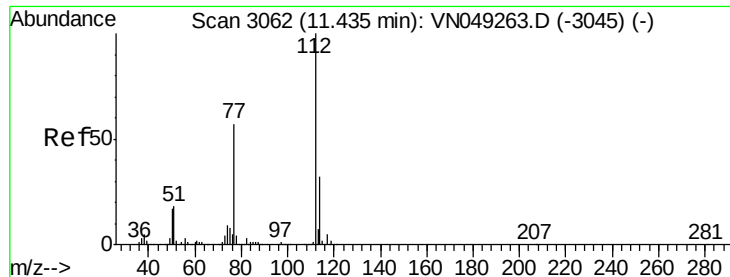
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.17 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion:112 Resp: 994927

Ion Ratio Lower Upper

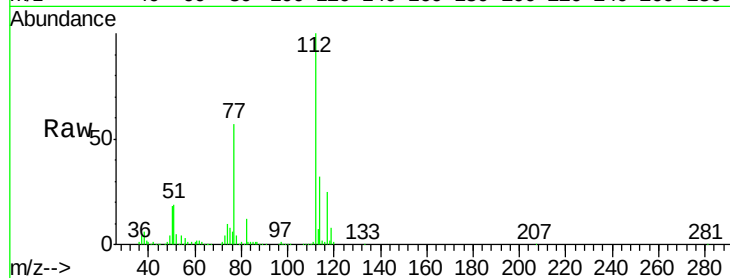
112 100

114 32.1 26.2 39.4

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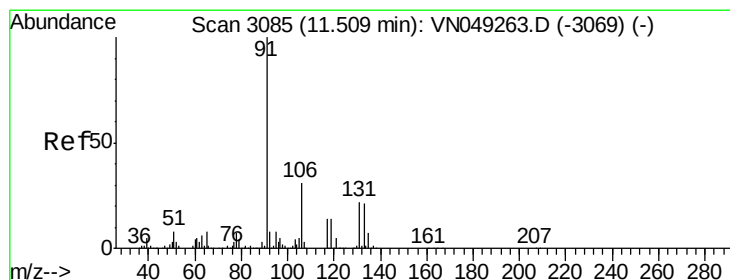
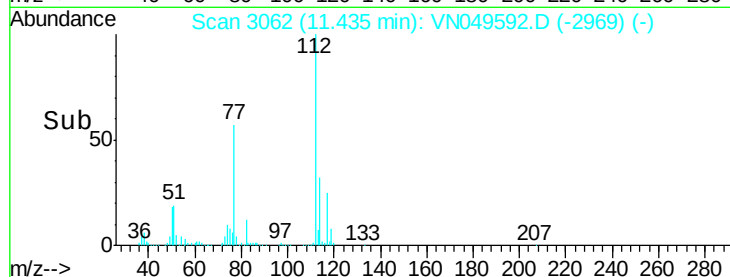
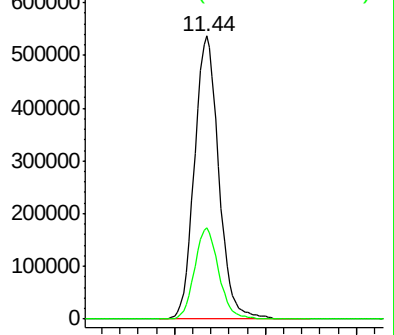
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.42 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

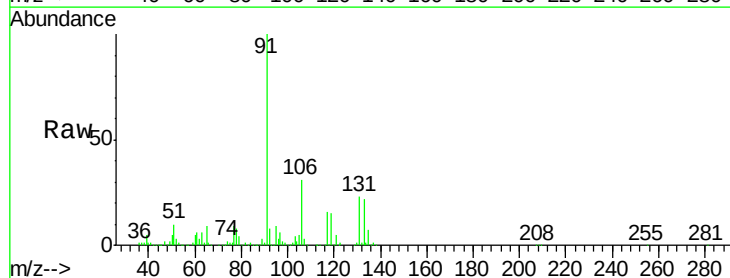
Tgt Ion:131 Resp: 359782

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.2

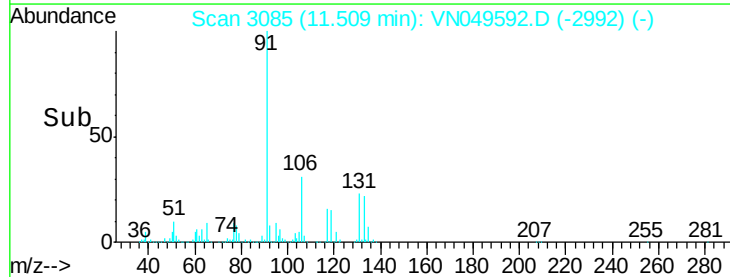
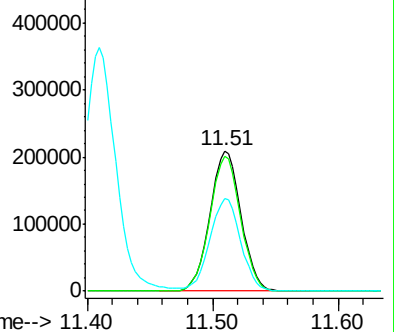
119 65.8 33.6 100.8

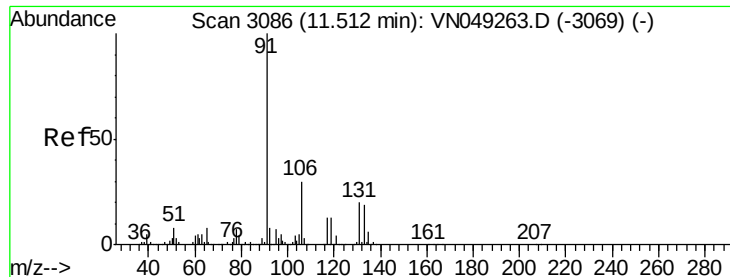


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 91 Resp: 1677859

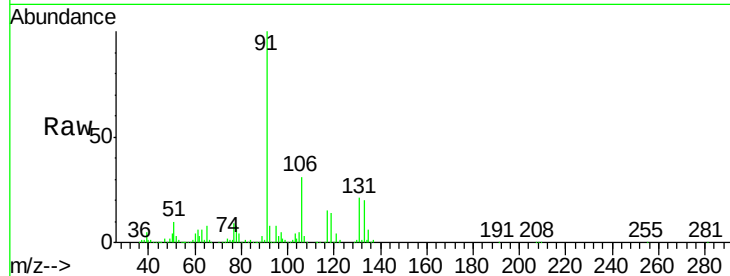
Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9

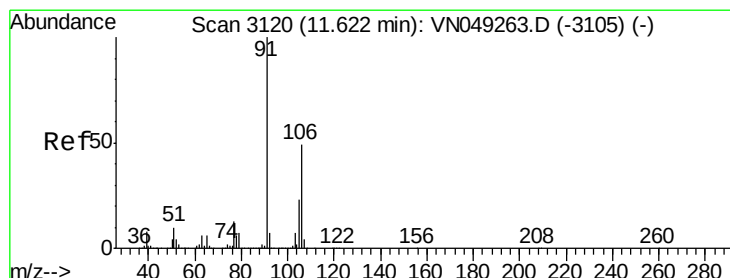
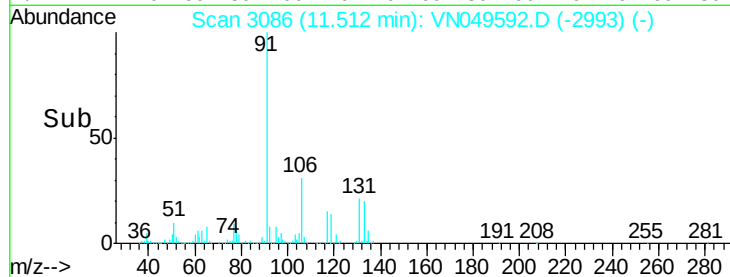
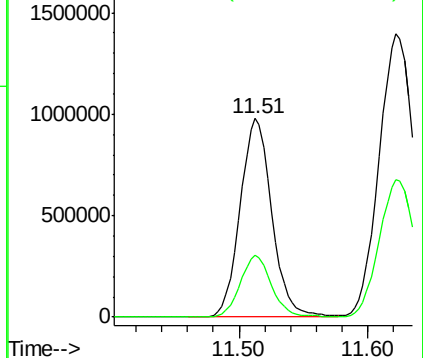
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.66 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049592.D

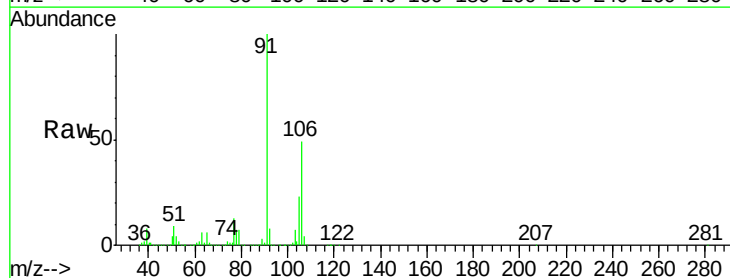
Acq: 28 Jun 2018 16:16

Tgt Ion: 106 Resp: 1313528

Ion Ratio Lower Upper

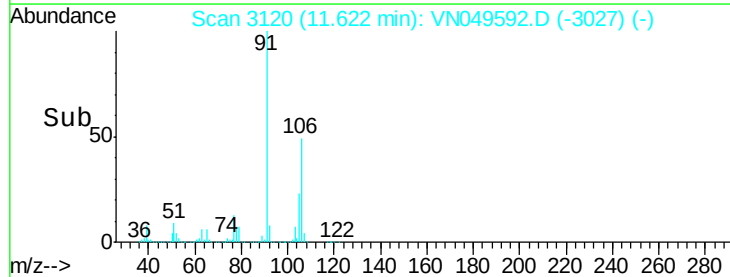
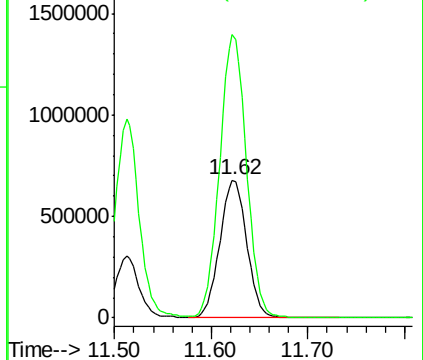
106 100

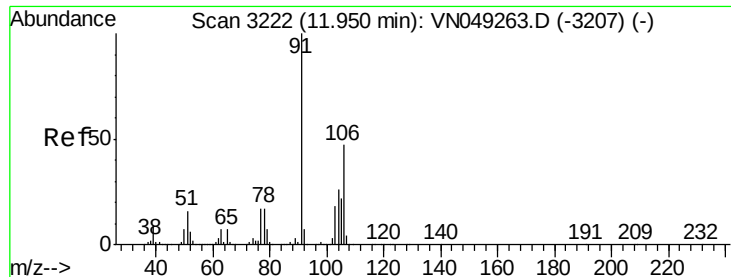
91 204.5 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





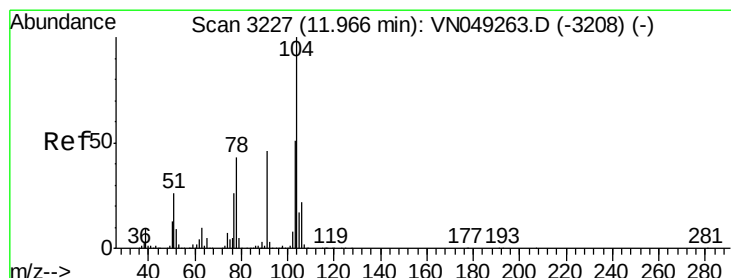
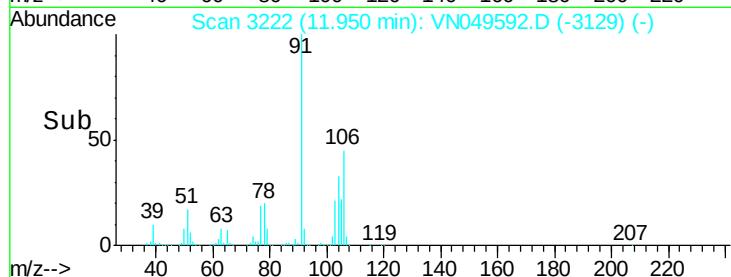
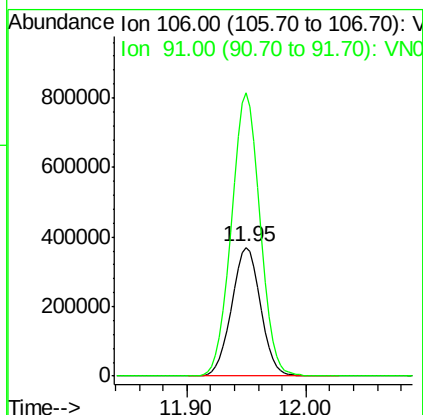
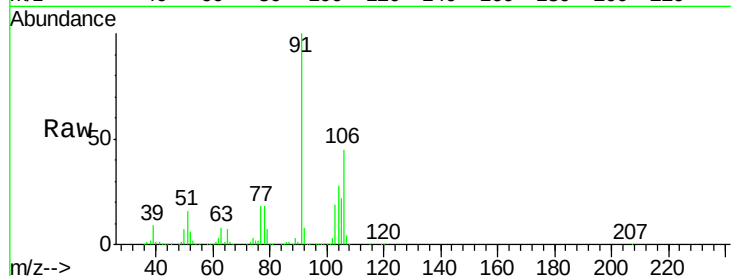
#69
o-Xylene
Concen: 20.01 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	217.8	111.0	333.0

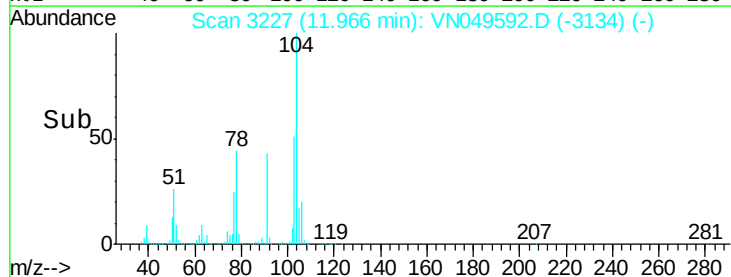
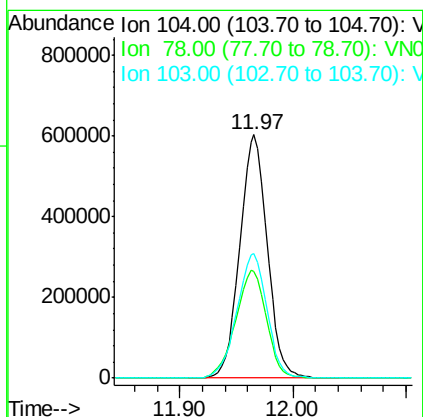
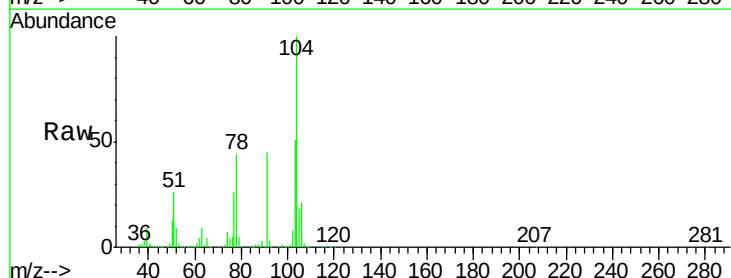
Manual Integrations
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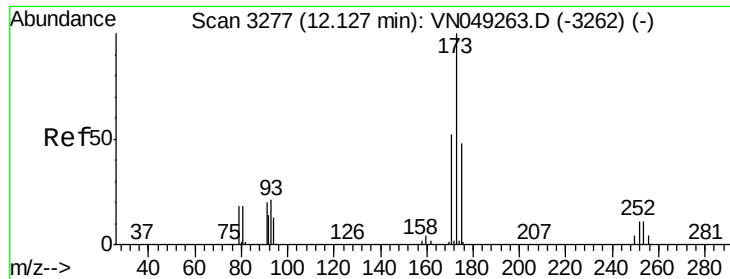
MMDadoda
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#70
Styrene
Concen: 20.79 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.7	41.6	62.4
103	103	56.0	45.4	68.2





#71

Bromoform

Concen: 18.88 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

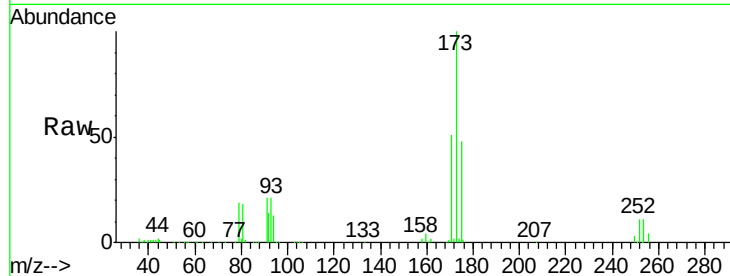
ClientSampleId :

VN0628WBSD01

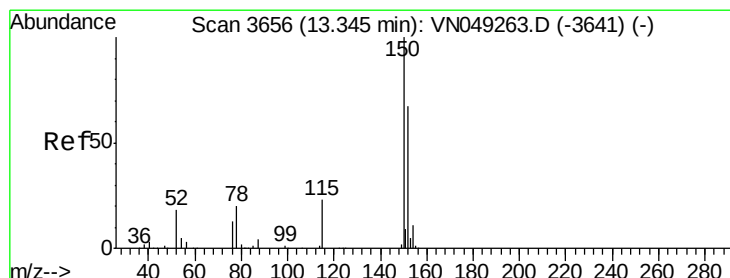
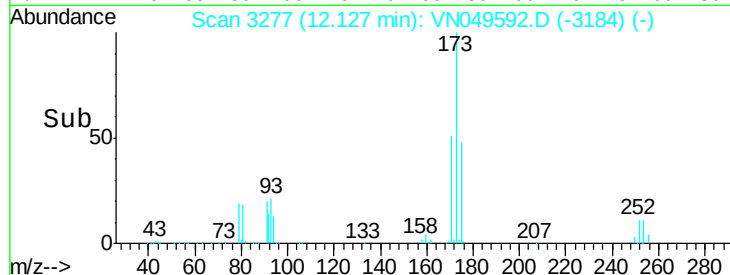
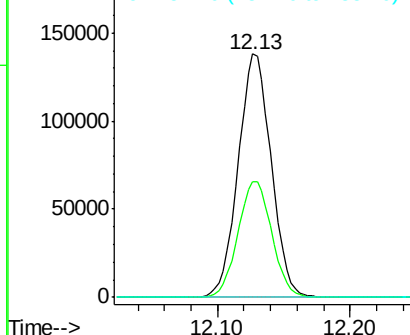
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.0	0.1	0.1#

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

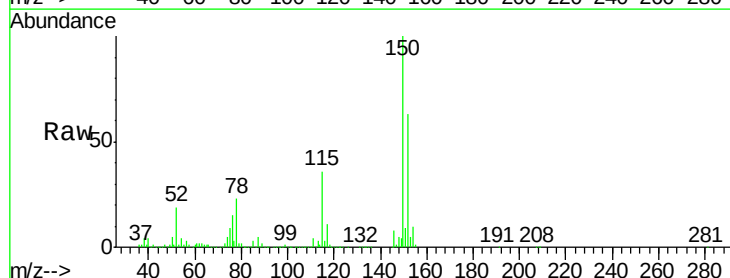
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

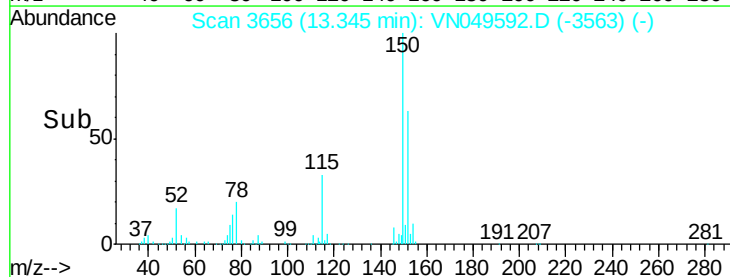
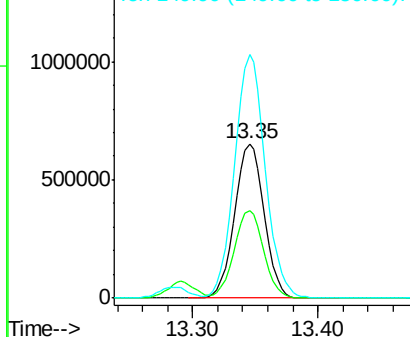
Lab File: VN049592.D

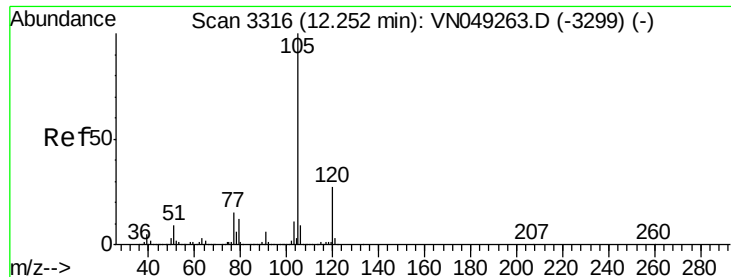
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	164.3	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: 17.64 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion:105 Resp: 1644815

Ion Ratio Lower Upper

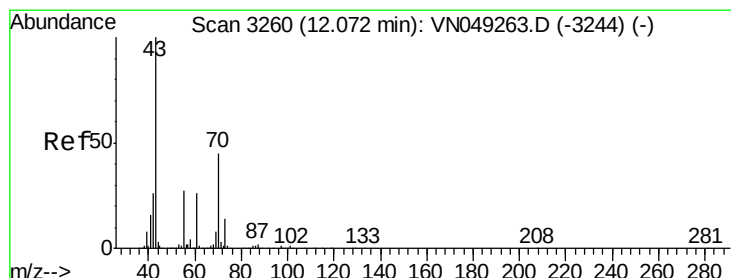
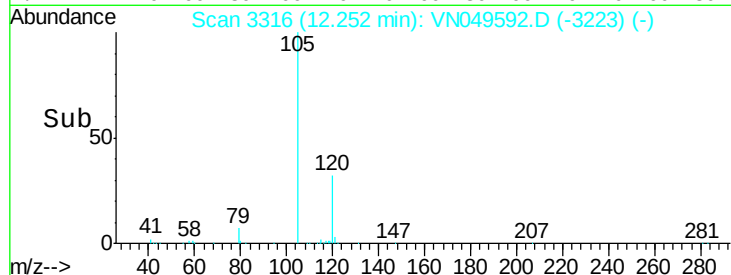
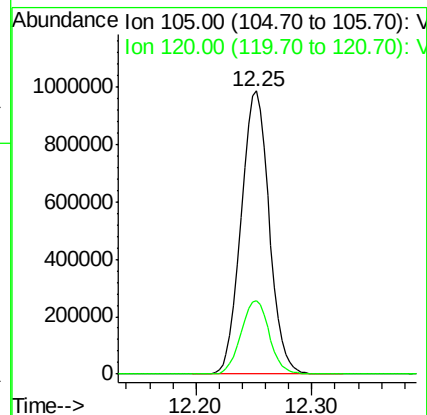
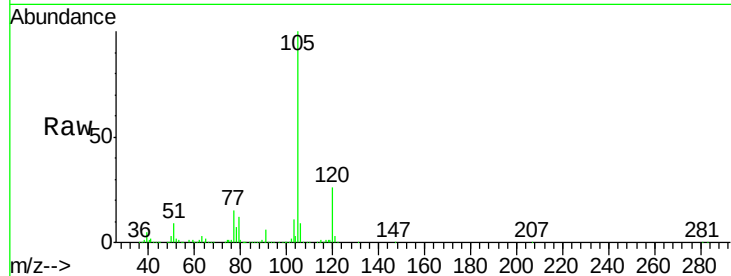
105 100

120 26.3 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion: 43 Resp: 465544

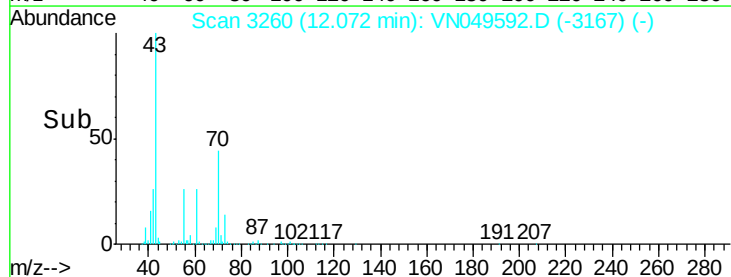
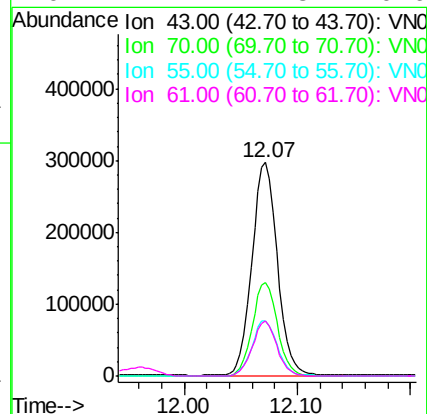
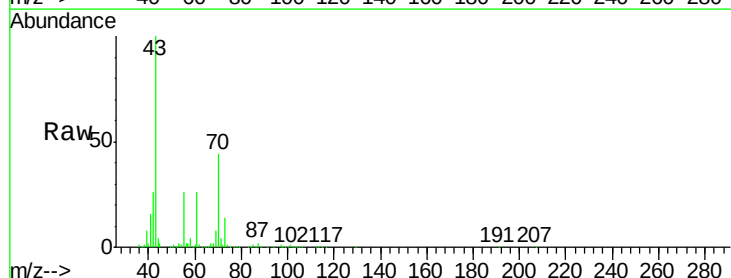
Ion Ratio Lower Upper

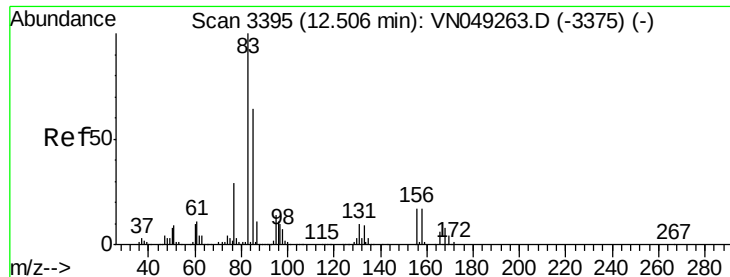
43 100

70 43.4 30.3 45.5

55 26.1 19.4 29.2

61 24.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.55 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

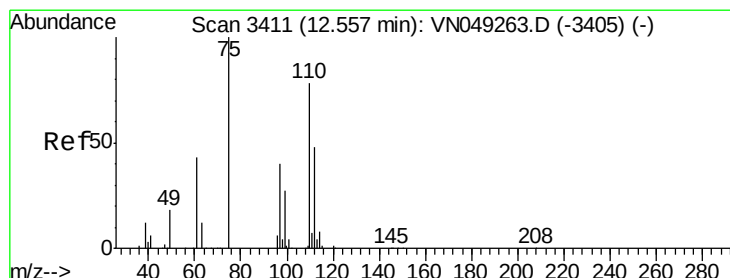
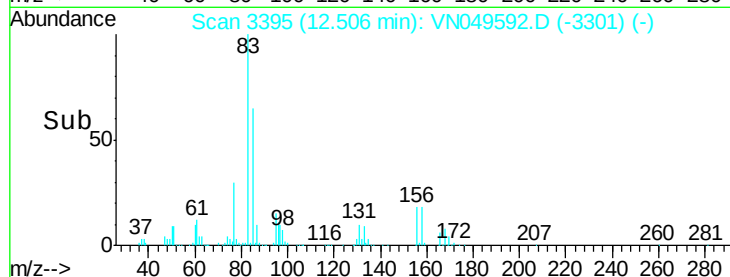
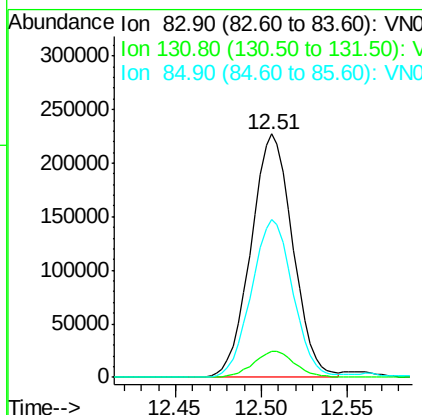
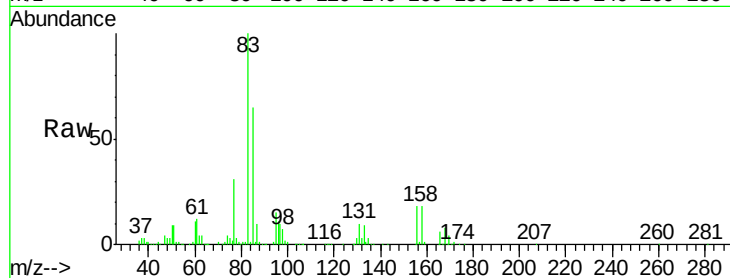
ClientSampleId :

VN0628WBSD01

Tot Ion:	83	Resp:	382789
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	64.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.61 ug/l m

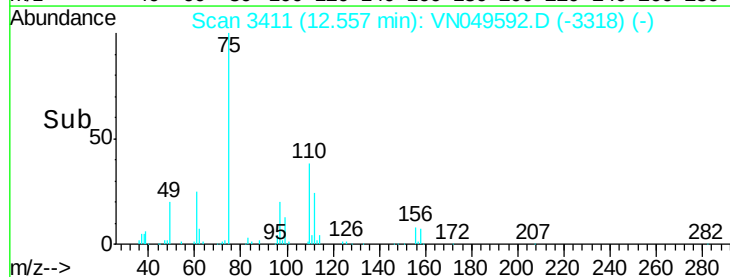
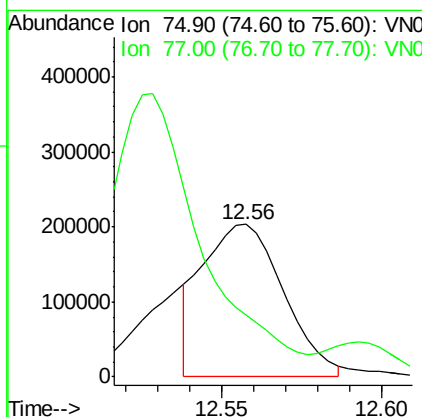
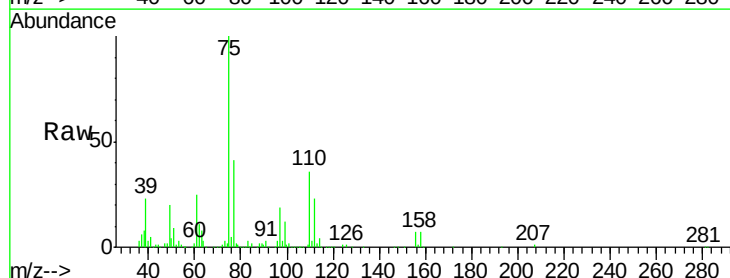
RT: 12.56 min Scan# 3411

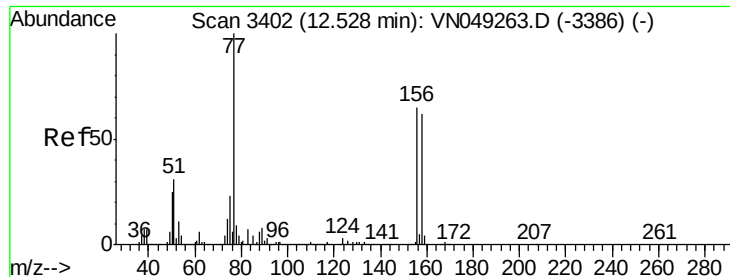
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	75	Resp:	355360
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.46 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

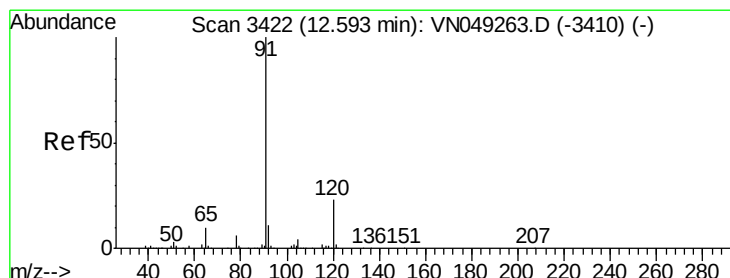
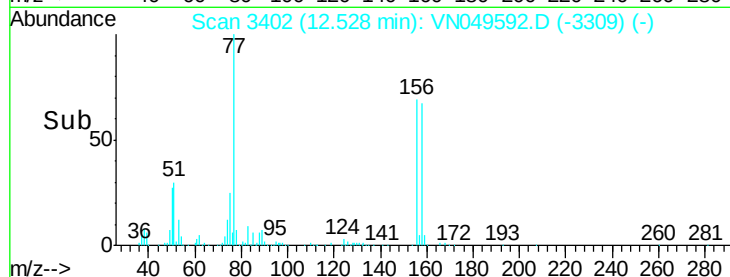
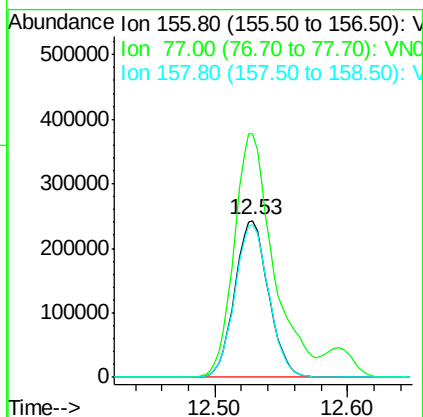
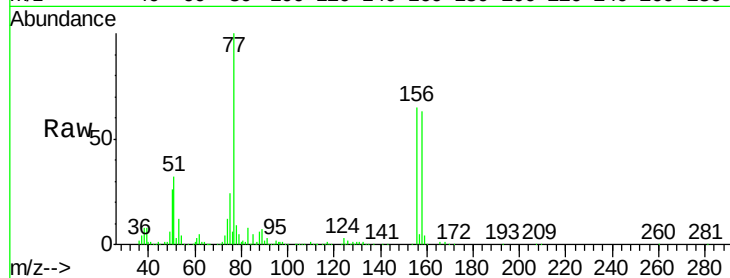
ClientSampleId :

VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.2	100.8	302.4
158	98.1	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 18.52 ug/l

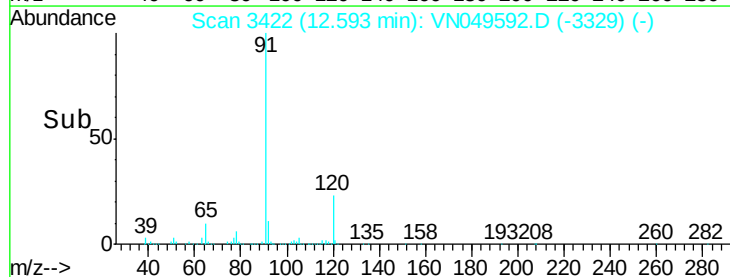
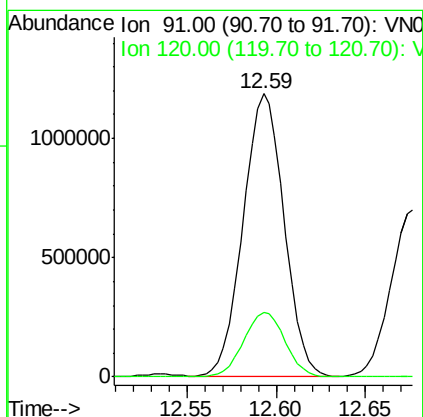
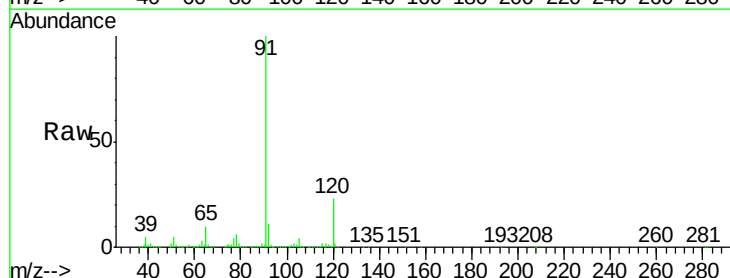
RT: 12.59 min Scan# 3422

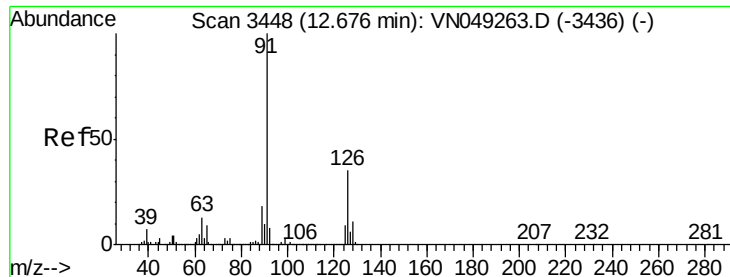
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 17.90 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

VN0628WBSD01

Tot Ion: 91 Resp: 1160714

Ion Ratio Lower Upper

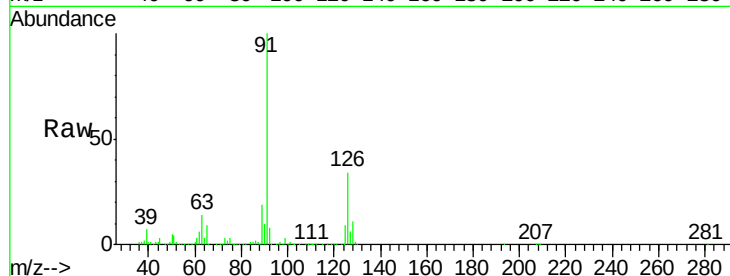
91 100

126 34.5 16.6 49.8

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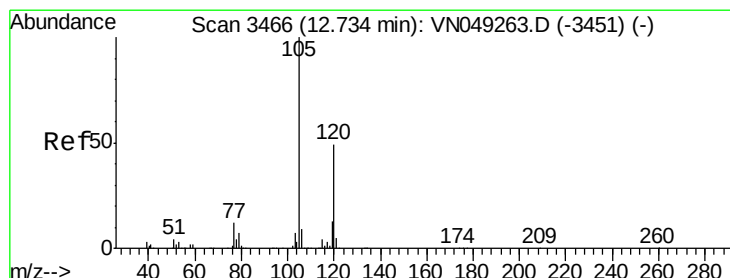
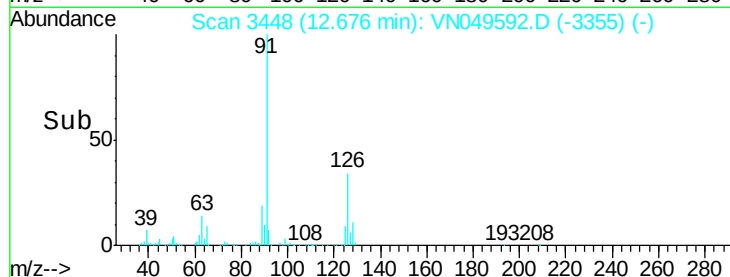
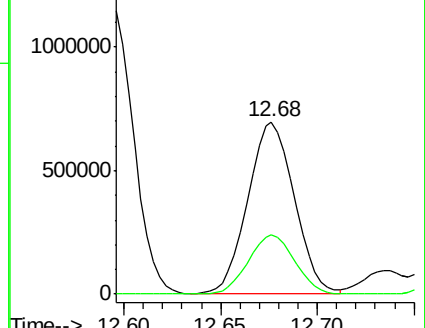
MMDadoda

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

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049592.D

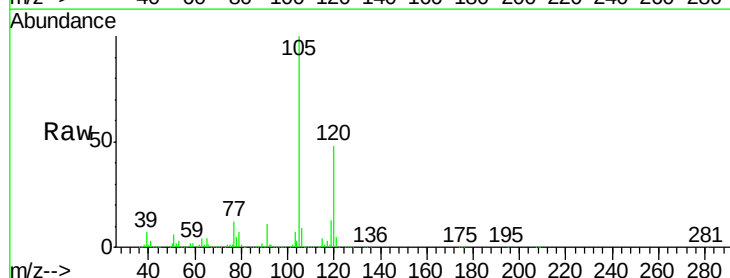
Acq: 28 Jun 2018 16:16

Tgt Ion: 105 Resp: 1418156

Ion Ratio Lower Upper

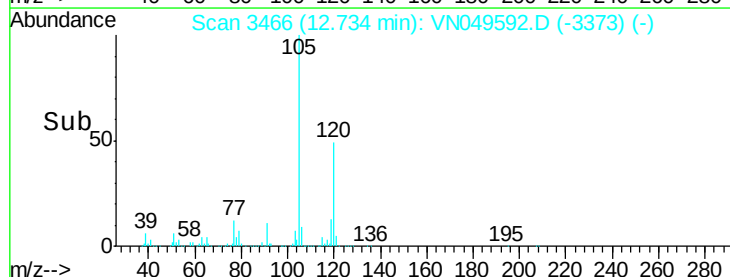
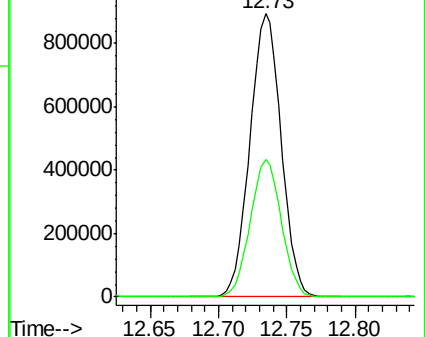
105 100

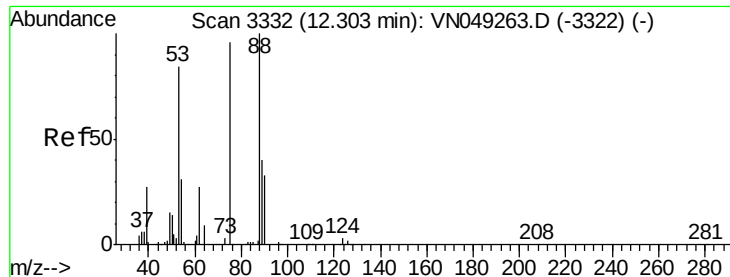
120 48.1 23.5 70.5



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

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.24 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

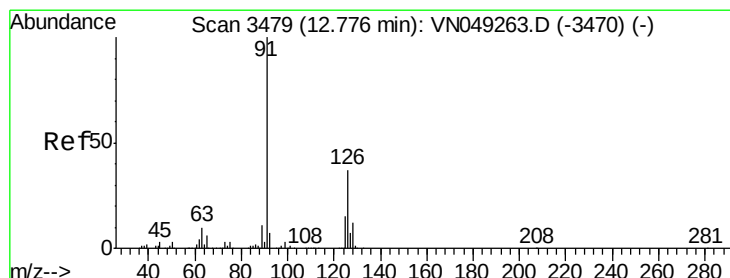
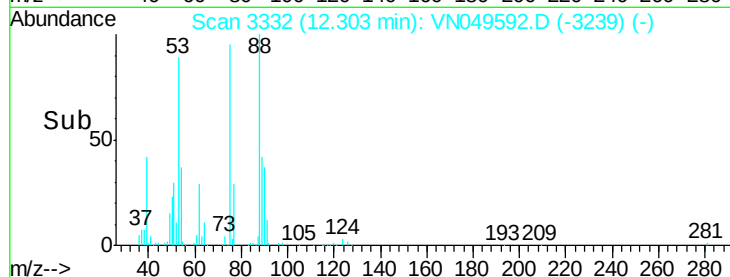
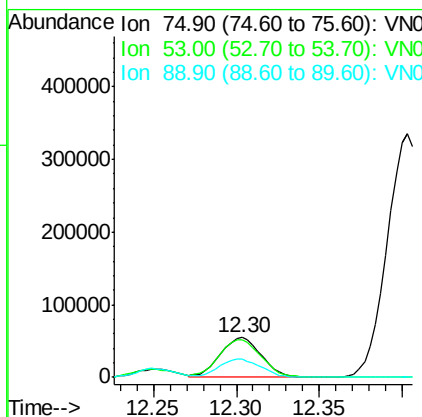
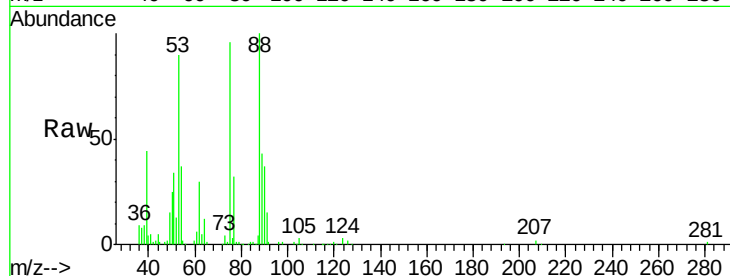
ClientSampleId :

VN0628WBSD01

Tot Ion:	75	Resp:	93102
Ion	Ratio	Lower	Upper
75	100		
53	98.7	82.7	124.1
89	47.7	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.74 ug/l

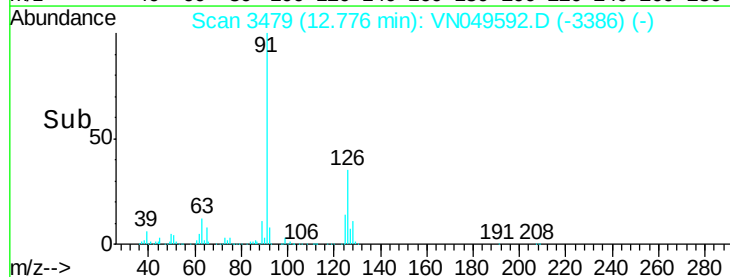
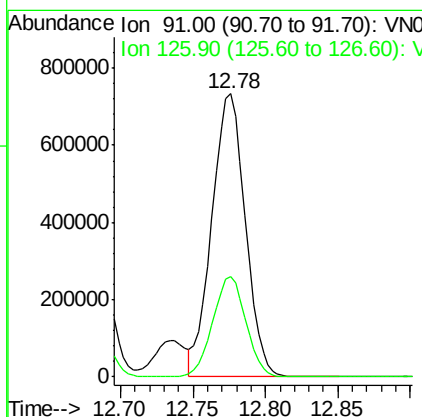
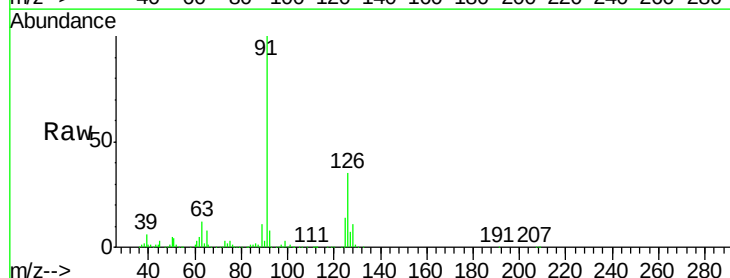
RT: 12.78 min Scan# 3479

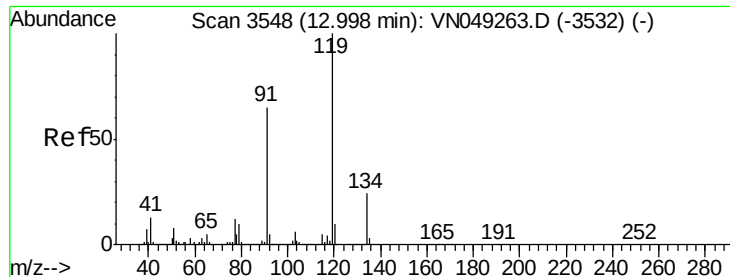
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	91	Resp:	1172483
Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.4	49.1





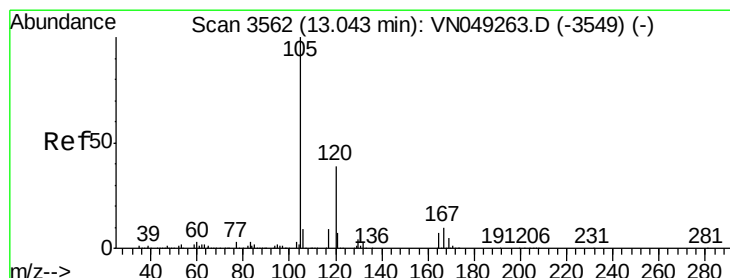
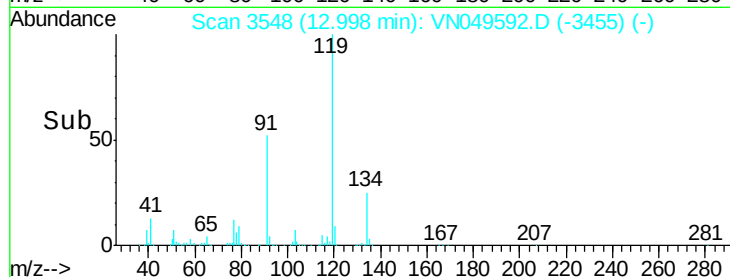
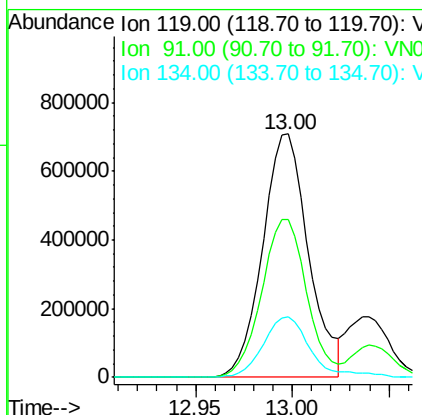
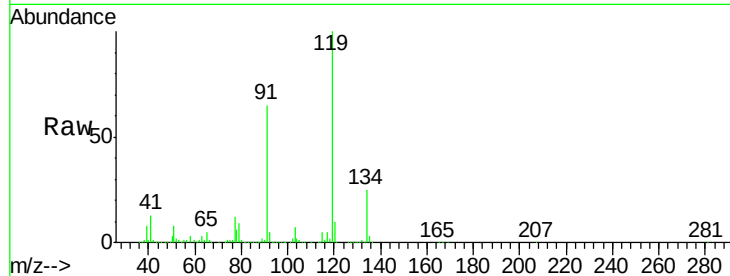
#83
 tert-Butylbenzene
 Concen: 18.06 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion:119 Resp: 1172706
 Ion Ratio Lower Upper
 119 100
 91 63.7 33.7 101.0
 134 25.6 12.9 38.6

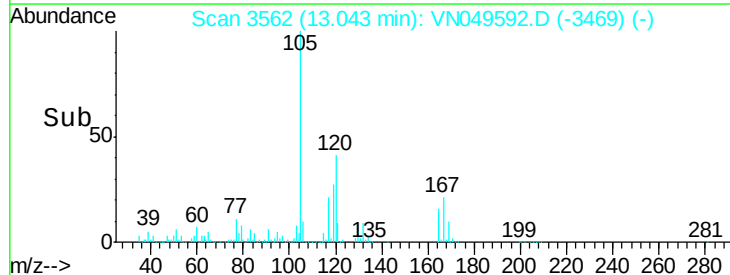
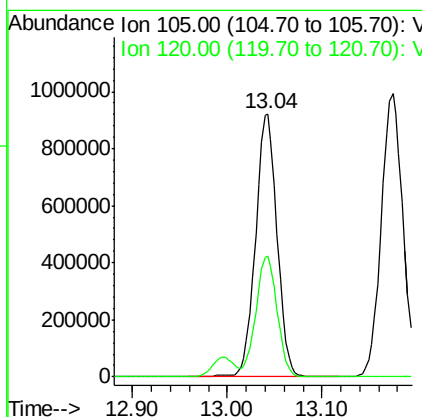
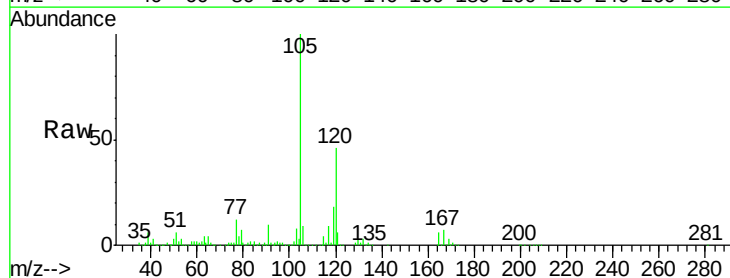
Manual Integrations
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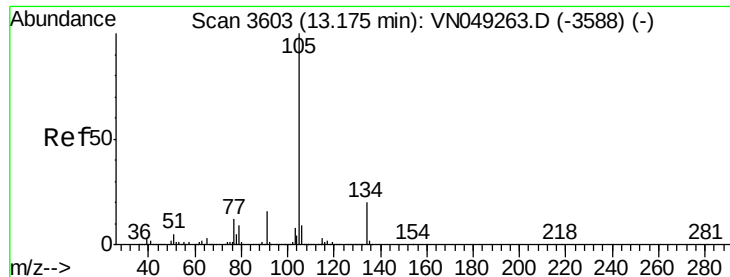
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.94 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion:105 Resp: 1451604
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.13 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

VN0628WBSD01

Tot Ion:105 Resp: 1566375

Ion Ratio Lower Upper

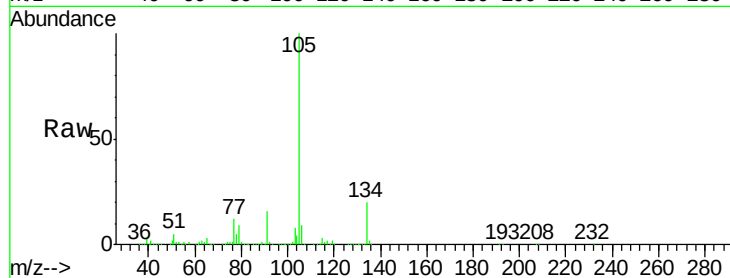
105 100

134 20.4 9.8 29.3

Manual Integrations
APPROVED

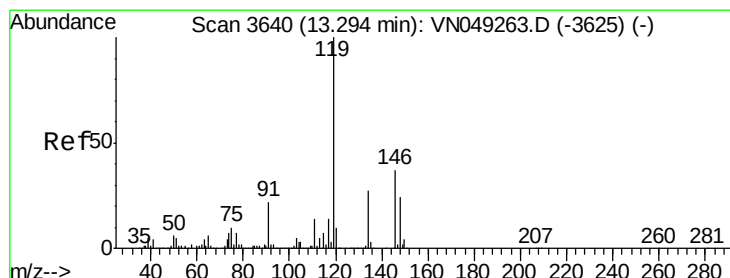
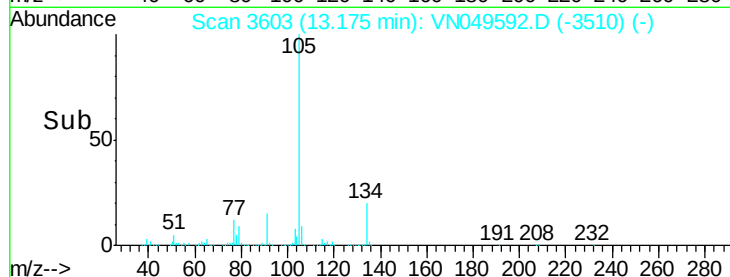
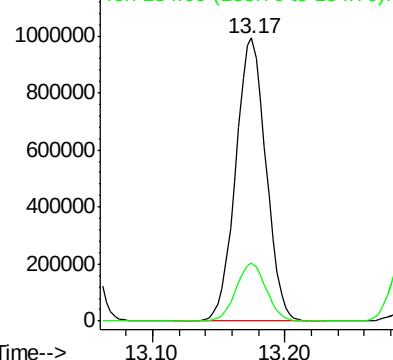
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

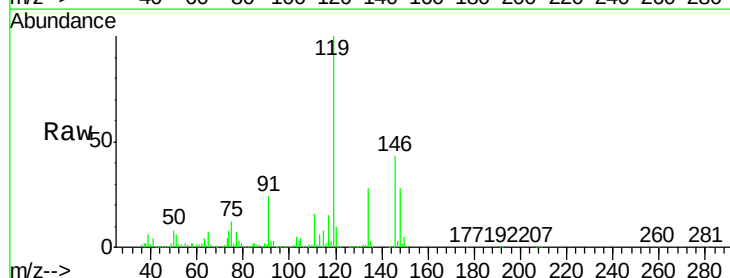
Tgt Ion:119 Resp: 1377119

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

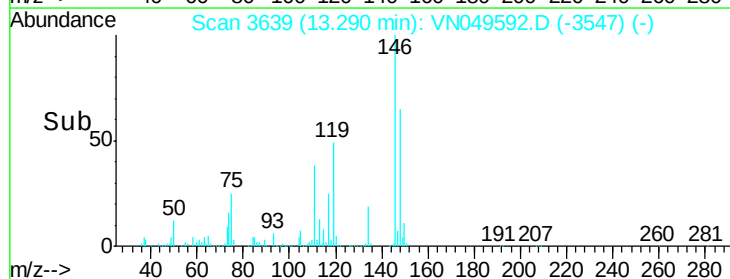
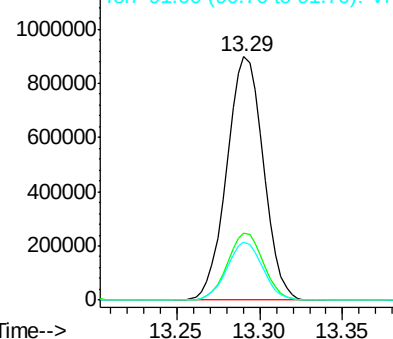
91 23.3 12.1 36.3

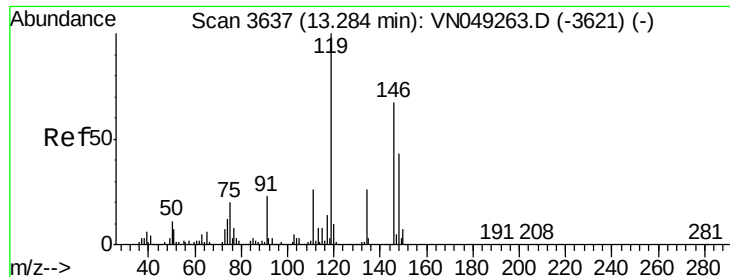


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





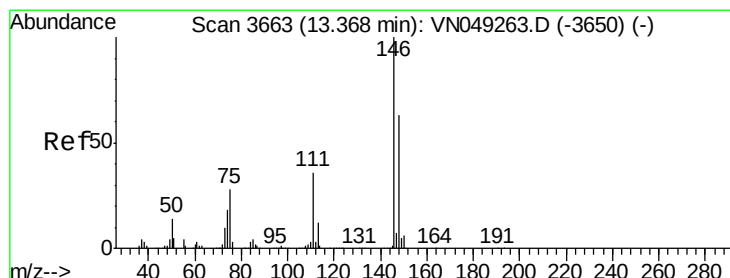
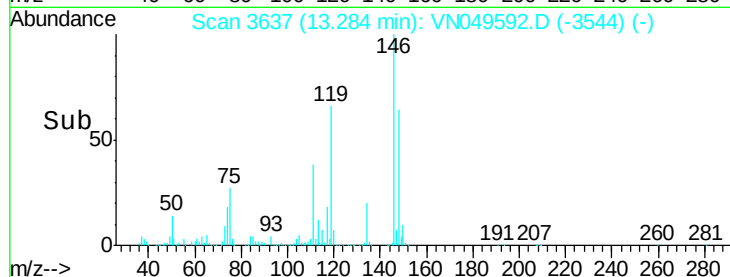
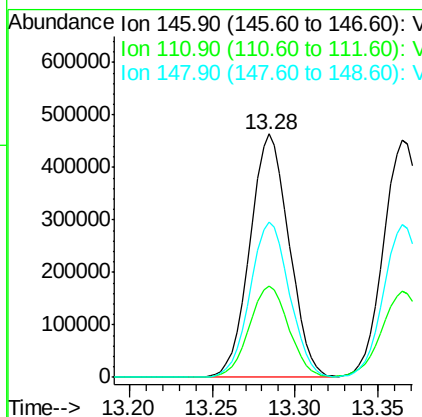
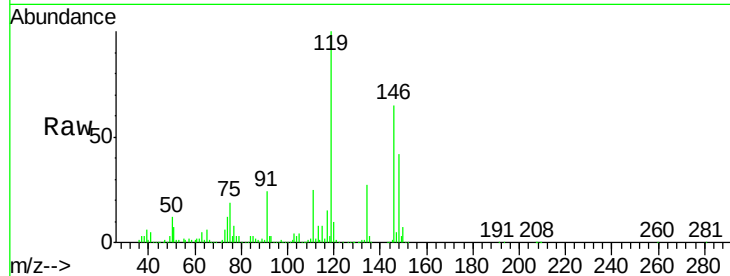
#87
 1,3-Dichlorobenzene
 Concen: 18.79 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	64.3	32.1	96.5

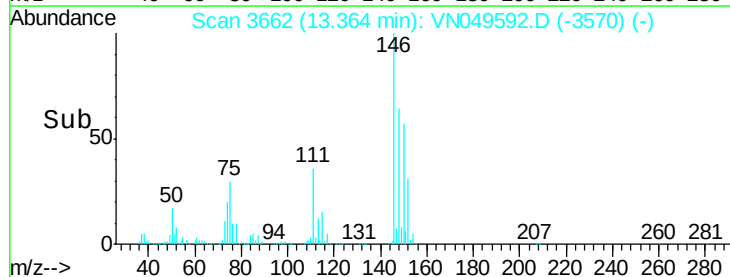
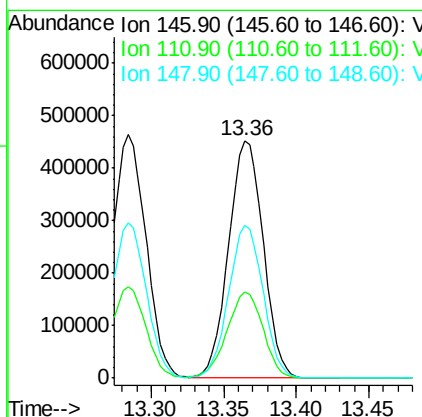
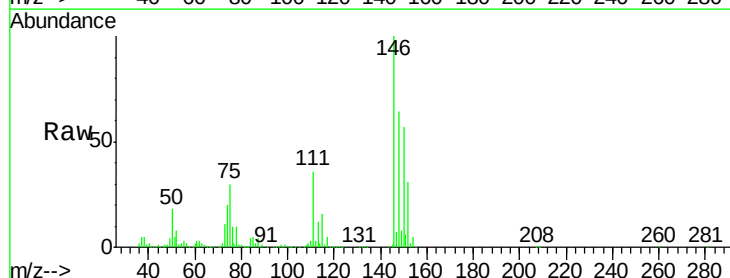
Manual Integrations
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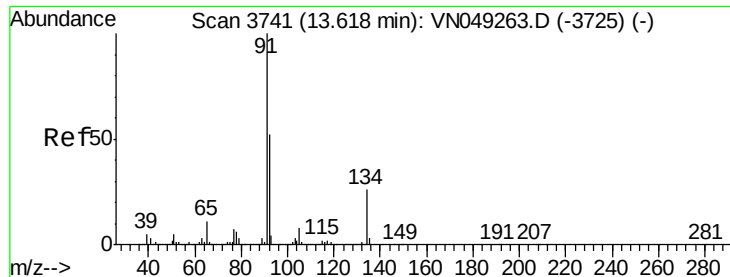
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.0	32.0	96.2





#89

n-Butylbenzene

Concen: 19.68 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD01

Tot Ion: 91 Resp: 1109599

Ion Ratio Lower Upper

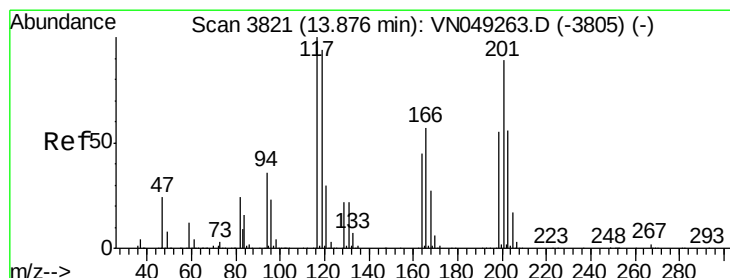
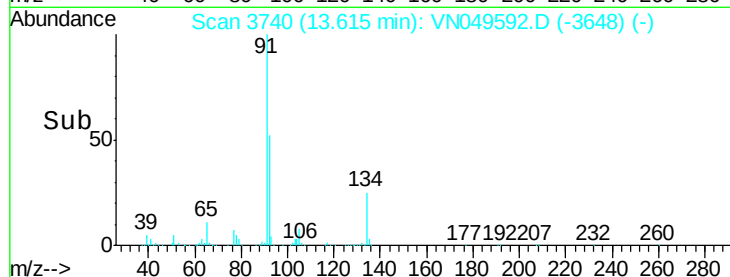
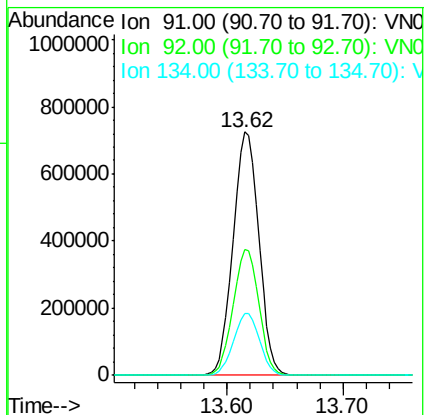
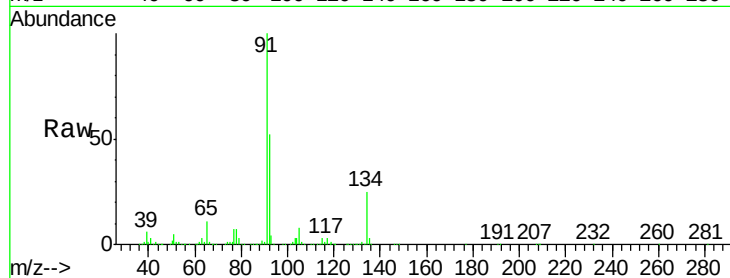
91 100

92 51.5 25.1 75.4

134 25.6 12.0 36.0

Manual Integrations
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#90

Hexachloroethane

Concen: 6.16 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049592.D

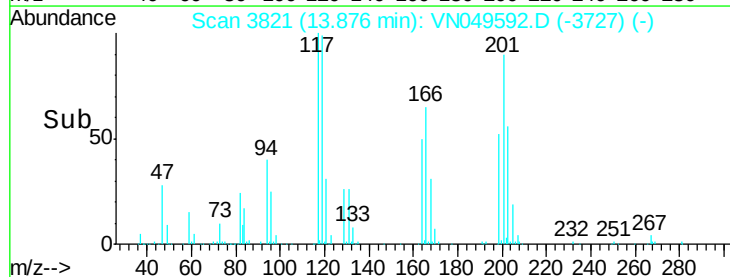
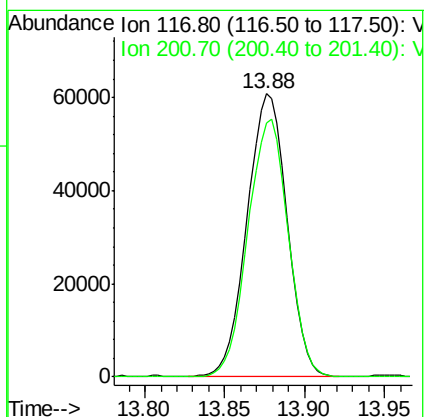
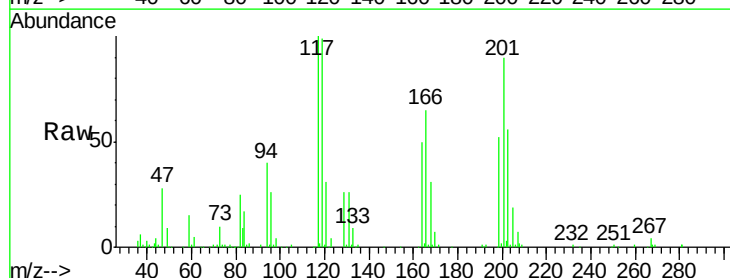
Acq: 28 Jun 2018 16:16

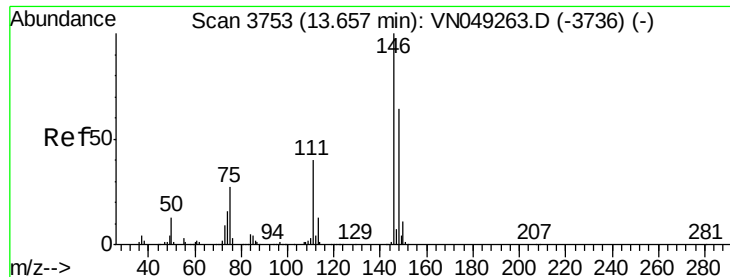
Tgt Ion: 117 Resp: 104456

Ion Ratio Lower Upper

117 100

201 91.1 40.1 120.2





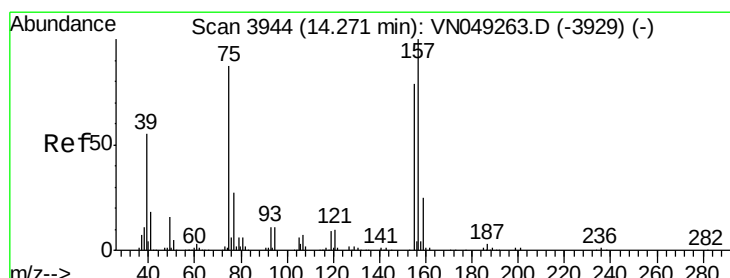
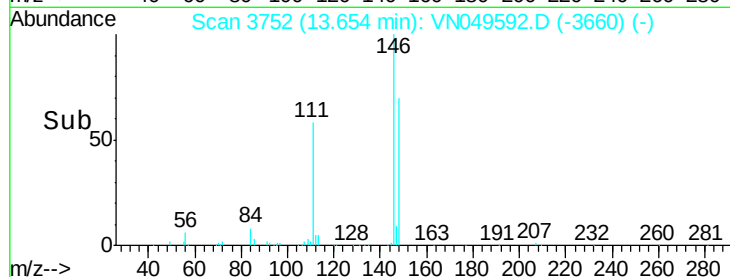
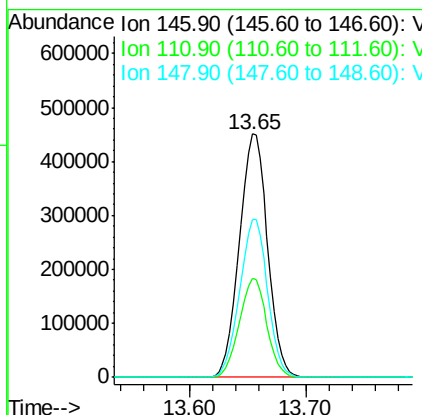
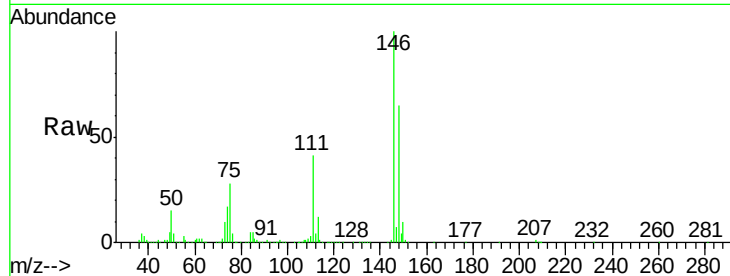
#91
 1,2-Dichlorobenzene
 Concen: 19.11 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	64.3	32.0	96.2

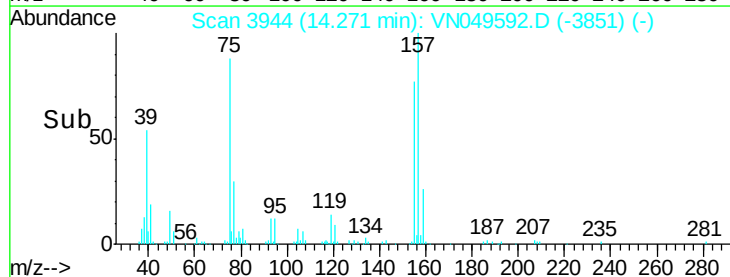
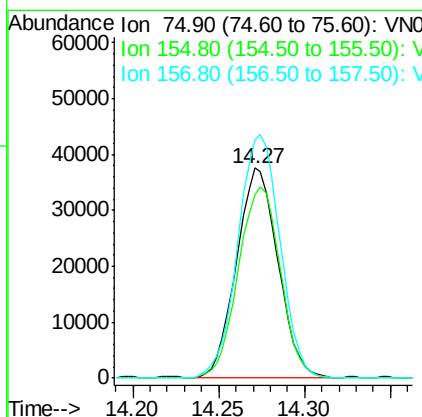
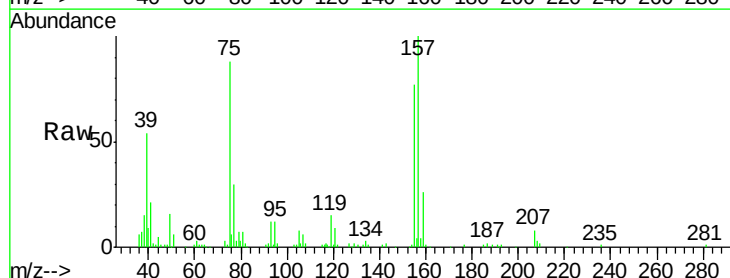
Manual Integrations
 APPROVED

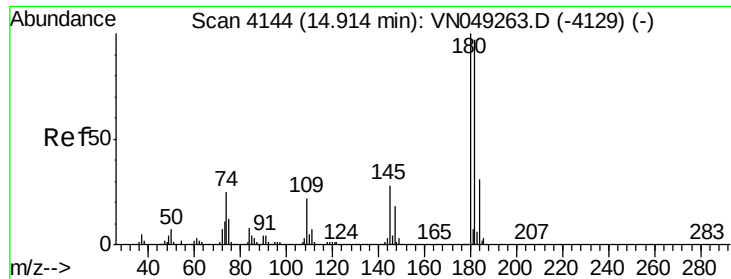
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	38.8	116.3
157	116.8	51.0	153.1





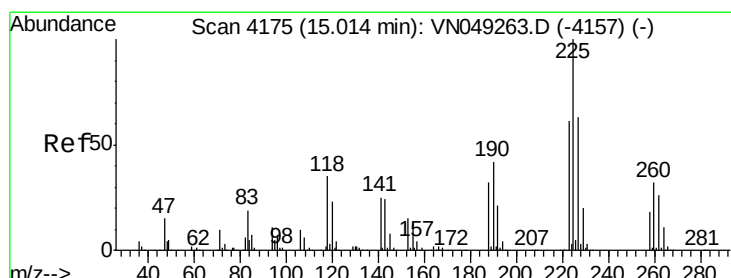
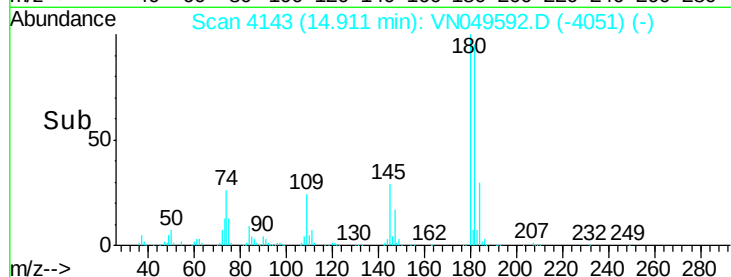
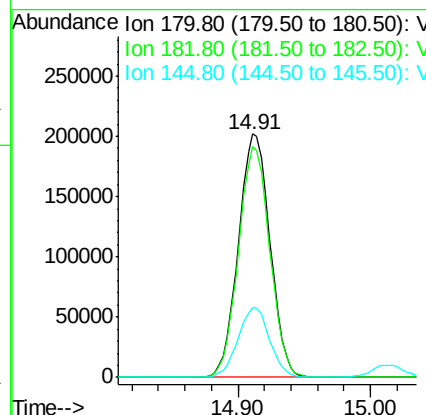
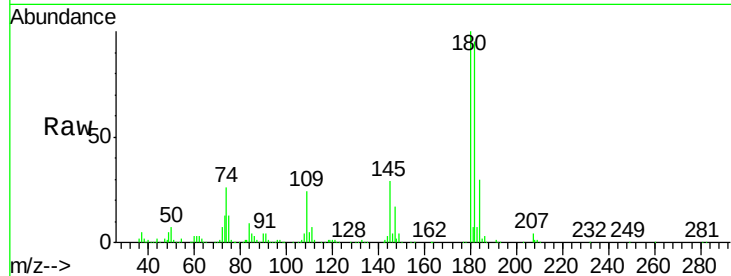
#93
 1,2,4-Trichlorobenzene
 Concen: 21.33 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	333756		
182	94.3	46.9	140.8	
145	28.8	14.7	44.1	

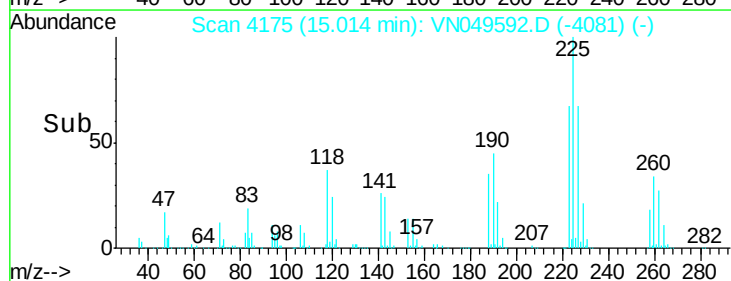
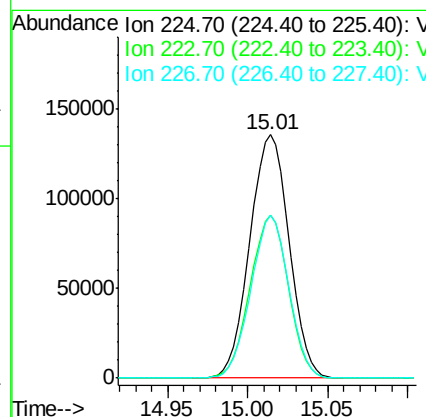
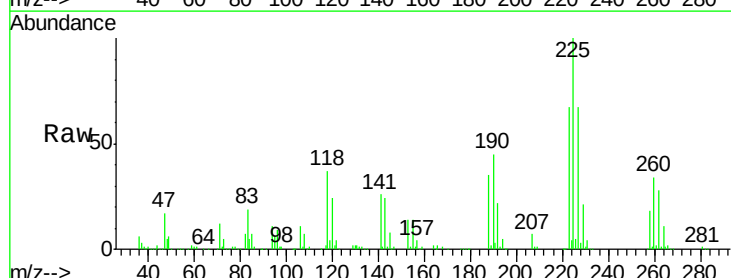
Manual Integrations
 APPROVED

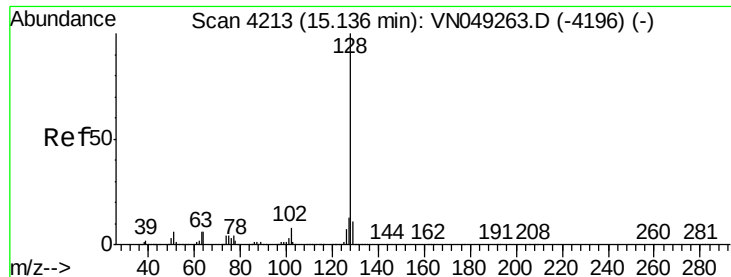
MMDadoda
 6/29/2018 1:46:43 PM



#94
 Hexachlorobutadiene
 Concen: 17.84 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	227708		
223	65.2	32.1	96.3	
227	64.4	31.8	95.3	





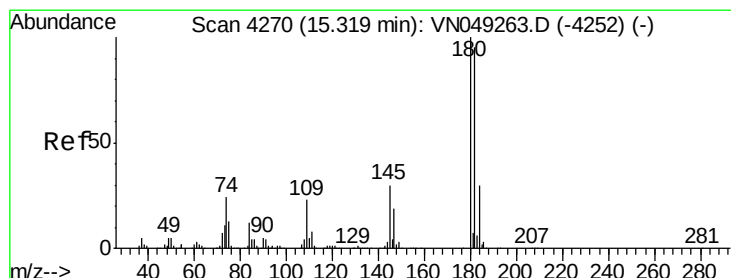
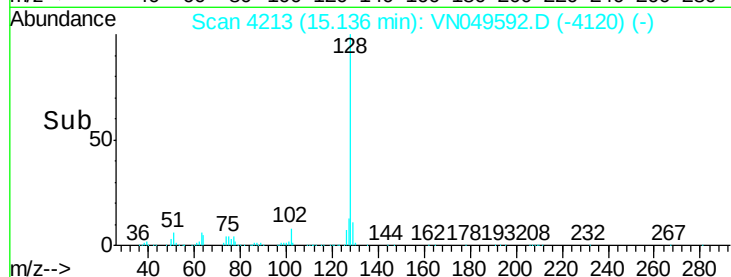
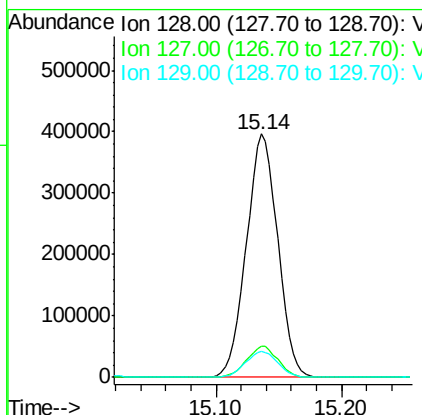
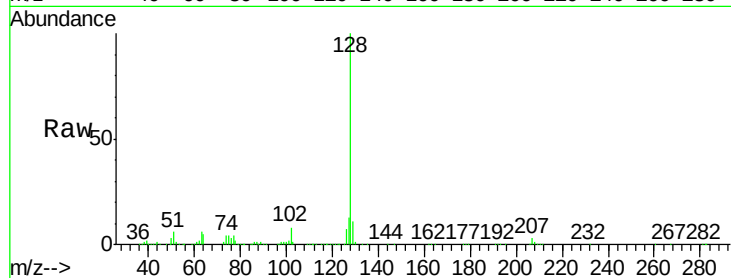
#95
Naphthalene
Concen: 24.06 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.79 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	29.6	15.6	46.7

