

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050687.D
 Acq On : 16 Aug 2018 5:40
 Operator : MD\SY
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 16 08:13:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123679	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	673648	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	581467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	245863	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	262762	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	848737	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	133743	15.69	ug/l	97
3) Chloromethane	2.06	50	175303	19.95	ug/l	98
4) Vinyl Chloride	2.18	62	182125	19.47	ug/l	98
5) Bromomethane	2.57	94	97911	17.17	ug/l	99
6) Chloroethane	2.70	64	111188	20.10	ug/l	95
7) Trichlorofluoromethane	3.01	101	238329	19.50	ug/l	97
8) Diethyl Ether	3.41	74	81433	19.86	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142842	19.21	ug/l	99
10) 1,1-Dichloroethene	3.73	96	131578	19.95	ug/l	93
11) Methyl Iodide	3.95	142	92991	9.58	ug/l	99
12) Methyl Acetate	4.33	43	122480	16.21	ug/l	99
13) Acrolein	3.61	56	12719	27.25	ug/l	97
14) Acrylonitrile	4.99	53	236638	93.88	ug/l	98
15) Acetone	3.82	58	71458	106.68	ug/l	90
16) Carbon Disulfide	4.05	76	400765	19.86	ug/l	98
17) Allyl chloride	4.33	41	192691	18.50	ug/l	96
18) Methylene Chloride	4.55	84	159969	21.02	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	147076	20.83	ug/l	97
20) Diisopropyl ether	5.96	45	457714	21.44	ug/l	99
21) 1,1-Dichloroethane	5.85	63	276981	20.63	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	161329	20.61	ug/l	94
23) tert-Butyl Alcohol	4.80	59	45663	81.08	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	353132	19.64	ug/l	98
25) Chloroform	7.37	83	278673	20.50	ug/l	98
26) Cyclohexane	7.66	56	221574	20.77	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	204718	19.58	ug/l	99
30) 2-Butanone	6.84	43	323975	98.75	ug/l	98
31) 2,2-Dichloropropane	6.83	77	121432	10.51	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	234337	19.04	ug/l	100
33) Carbon Tetrachloride	7.78	117	208522	19.01	ug/l	99
34) Benzene	8.04	78	630800	19.87	ug/l	100
35) Methacrylonitrile	7.18	41	63485	17.00	ug/l	95
36) 1,2-Dichloroethane	8.13	62	195602	18.76	ug/l	99
37) Trichloroethene	8.84	130	162276	19.49	ug/l	98
38) Methylcyclohexane	9.08	83	206177	18.71	ug/l	99
39) 1,2-Dichloropropane	9.12	63	167141	19.98	ug/l	96
40) Dibromomethane	9.21	93	98714	19.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	210108	19.27	ug/l	98
42) Vinyl Acetate	5.90	43	1438311	93.17	ug/l	100
44) Isopropyl Acetate	8.17	43	246602	19.43	ug/l	97
45) 1,4-Dioxane	9.20	88	28269	338.52	ug/l	93
46) Methyl methacrylate	9.20	41	100123	16.28	ug/l	98
47) n-amyl Acetate	12.07	43	166248	16.84	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	179490	17.27	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	217009	17.77	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	141144	19.02	ug/l	97
51) Ethyl methacrylate	10.43	69	162055	17.99	ug/l	99
52) 1,3-Dichloropropane	10.71	76	231077	18.96	ug/l	99
53) Dibromochloromethane	10.90	129	153795	18.26	ug/l	98
54) 1,2-Dibromoethane	11.01	107	134704	18.54	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	390465	95.80	ug/l	100
56) Bromoform	12.13	173	104194	17.52	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	764186	112.95	ug/l	99
59) 2-Hexanone	10.75	43	479367	103.85	ug/l	99
61) Tetrachloroethene	10.63	164	156573	19.88	ug/l	97
62) Toluene	10.16	91	674829	20.34	ug/l	100
64) Chlorobenzene	11.44	112	406317	20.20	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	156590	19.96	ug/l	99
66) Ethyl Benzene	11.51	91	670783	19.79	ug/l	100
67) m/p-Xylenes	11.62	106	529969	40.62	ug/l	99
68) o-Xylene	11.95	106	252593	20.35	ug/l	99
69) Styrene	11.97	104	403542	20.28	ug/l	100
70) Isopropylbenzene	12.25	105	665655	20.13	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	170292	18.76	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	191006	24.64	ug/l	59
73) Bromobenzene	12.53	156	170625	19.37	ug/l	100
74) n-propylbenzene	12.59	91	740629	19.23	ug/l	99
75) 2-Chlorotoluene	12.68	91	457567	19.79	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	543734	20.02	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31231	12.32	ug/l	95
78) 4-Chlorotoluene	12.77	91	450887	19.67	ug/l	100
79) tert-butylbenzene	12.99	119	459898	19.81	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	553210	20.11	ug/l	100
81) sec-Butylbenzene	13.17	105	604178	19.16	ug/l	100
82) p-Isopropyltoluene	13.29	119	513146	19.07	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	286701	18.70	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	269788	18.62	ug/l	99
85) n-Butylbenzene	13.62	91	373107	17.09	ug/l	99
86) Hexachloroethane	13.88	117	97672	18.16	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	283255	18.90	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22184	15.69	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	111647	15.59	ug/l	99
90) Hexachlorobutadiene	15.01	225	80991	17.16	ug/l	99
91) Naphthalene	15.13	128	224726	17.65	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	116341	15.98	ug/l	99

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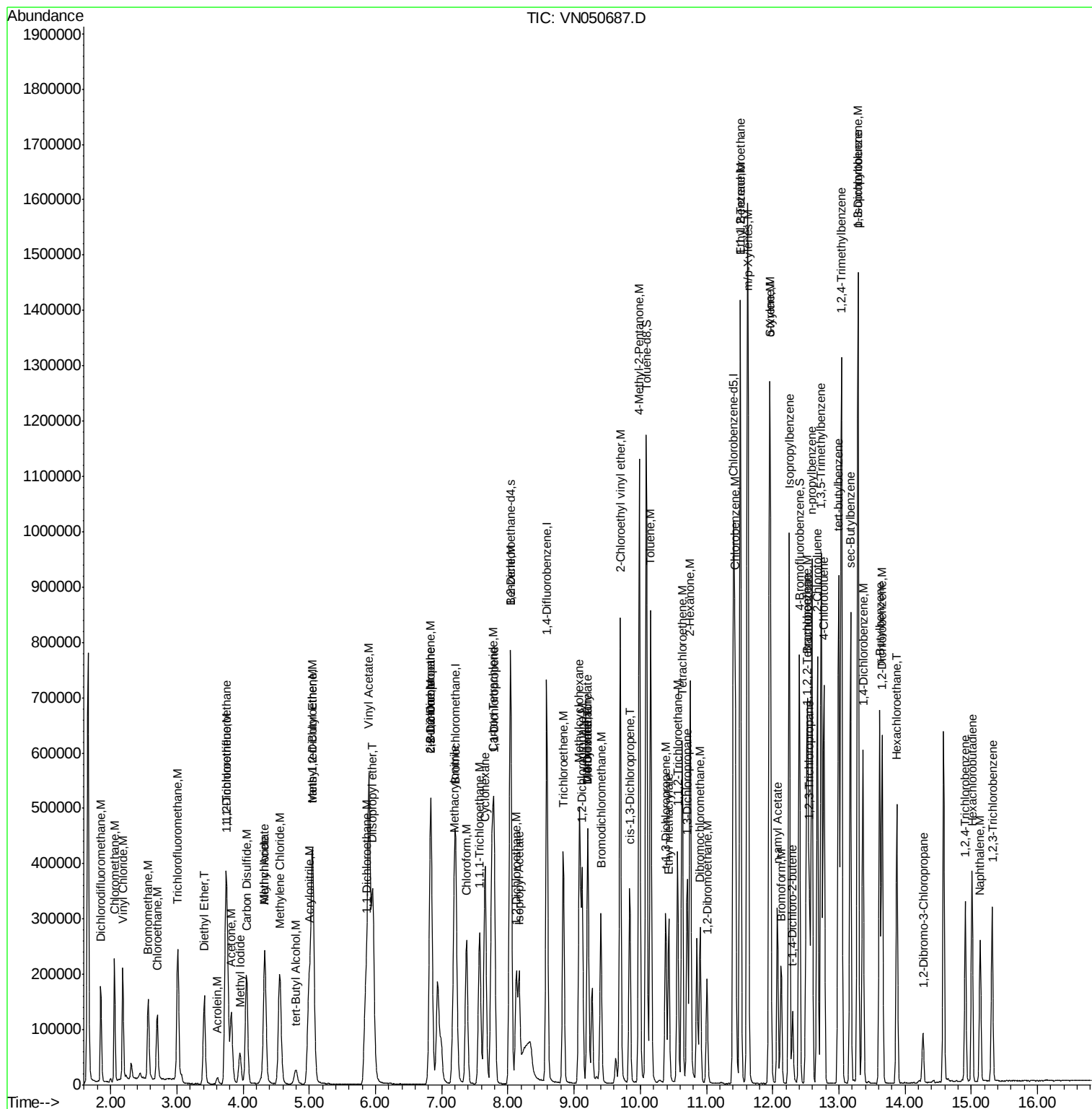
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

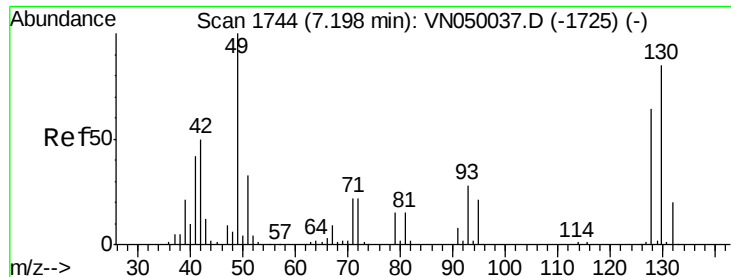
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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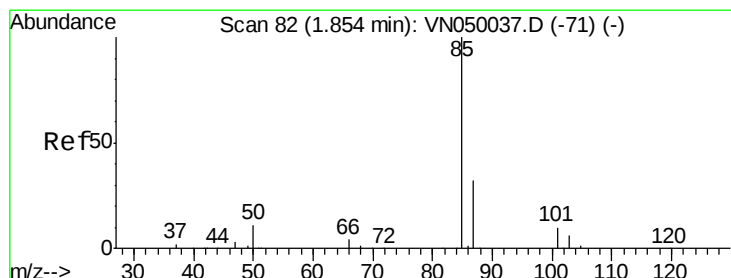
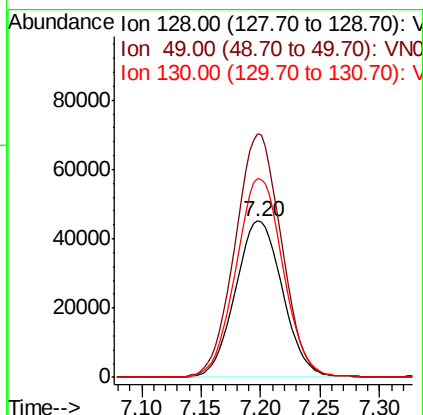
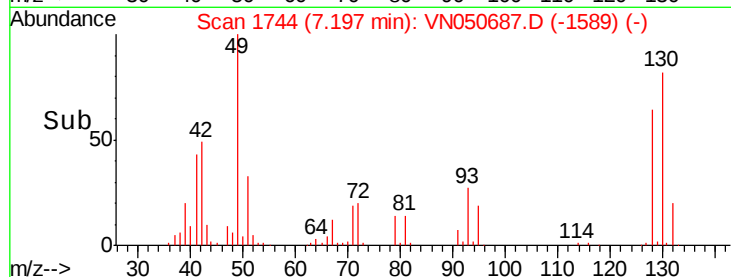
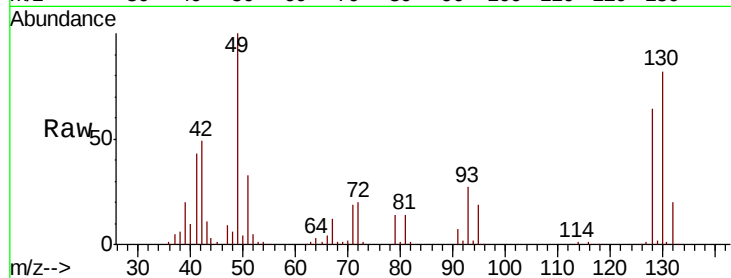




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

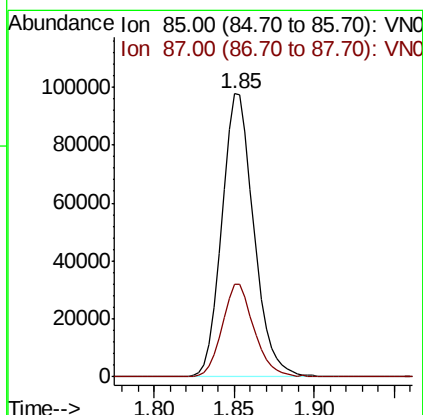
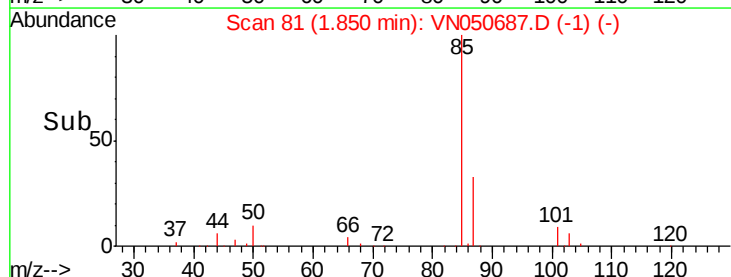
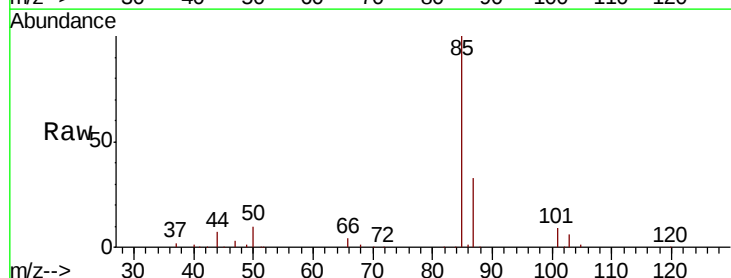
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

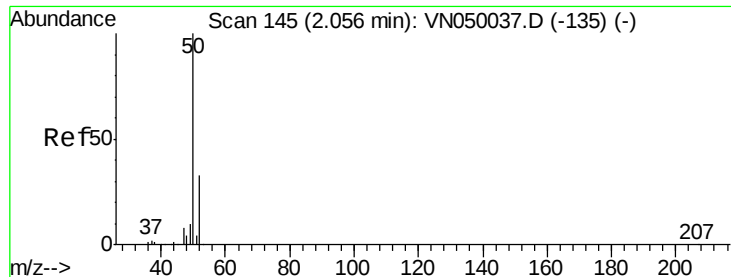
Tot Ion	Ratio	Lower	Upper
128	100		
49	153.7	0.0	378.3
130	127.8	0.0	320.7



#2
 Dichlorodifluoromethane
 Concen: 15.69 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3

Chloromethane

Concen: 19.95 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

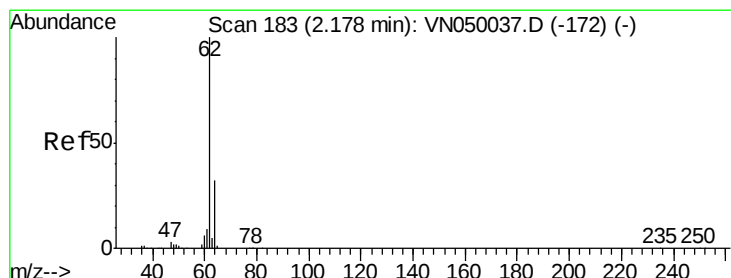
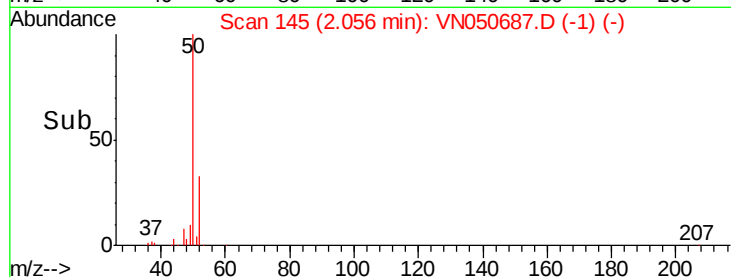
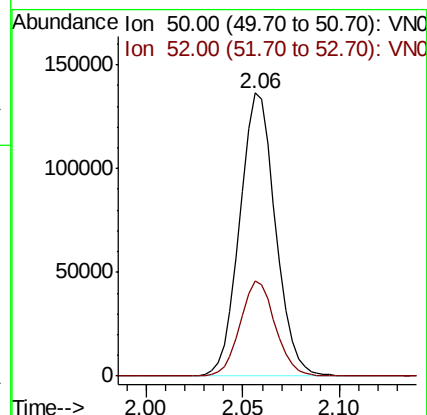
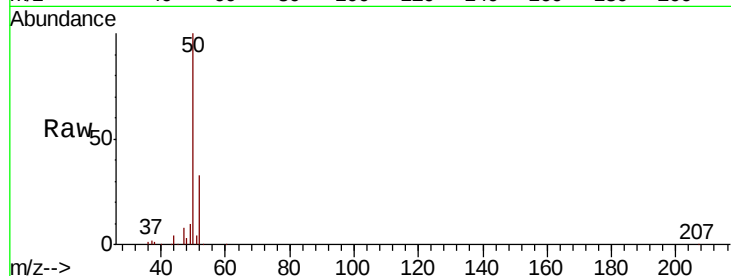
VSTDCCC020EC

Tot Ion: 50 Resp: 175303

Ion Ratio Lower Upper

50 100

52 33.5 26.1 39.1



#4

Vinyl Chloride

Concen: 19.47 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050687.D

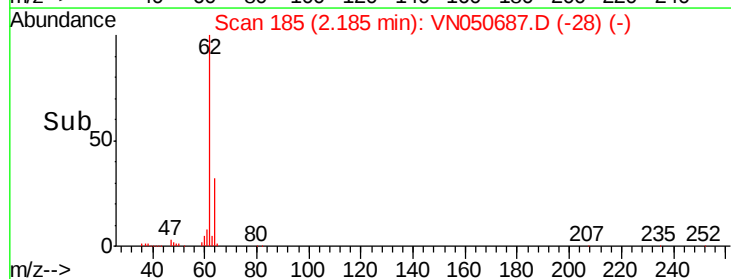
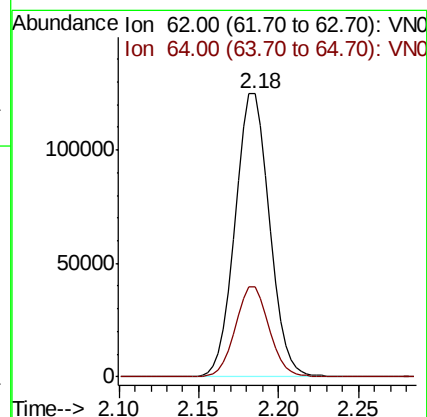
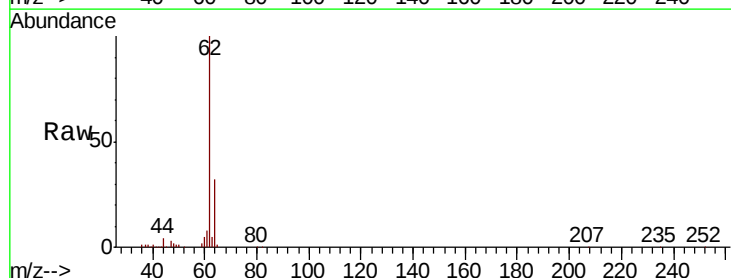
Acq: 16 Aug 2018 5:40

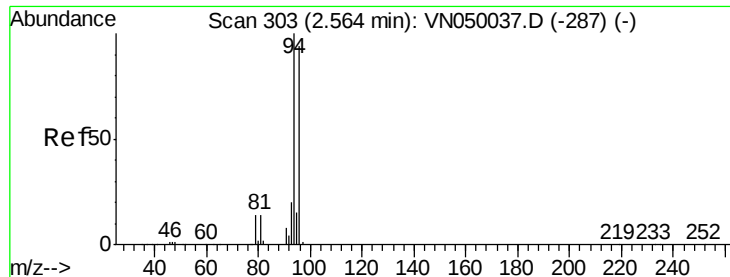
Tgt Ion: 62 Resp: 182125

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 17.17 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

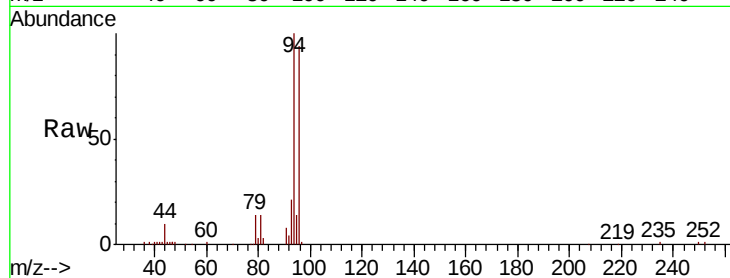
VSTDCCC020EC

Tot Ion: 94 Resp: 97911

Ion Ratio Lower Upper

94 100

96 93.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

60000

50000

40000

30000

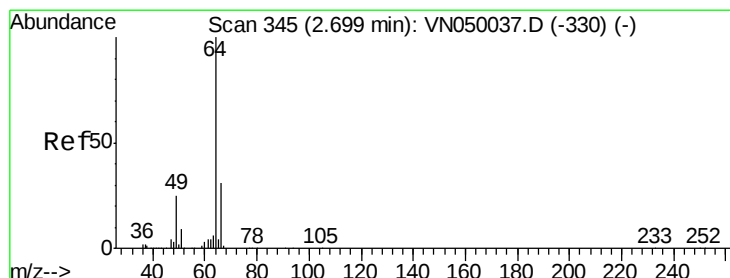
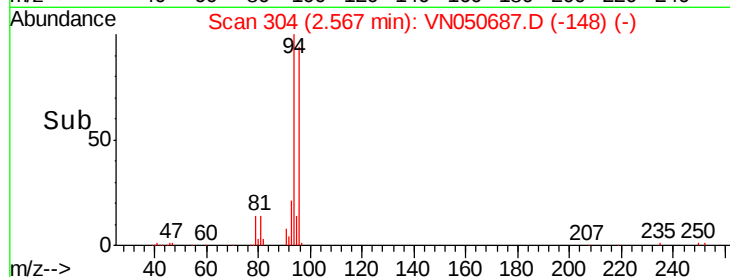
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.10 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050687.D

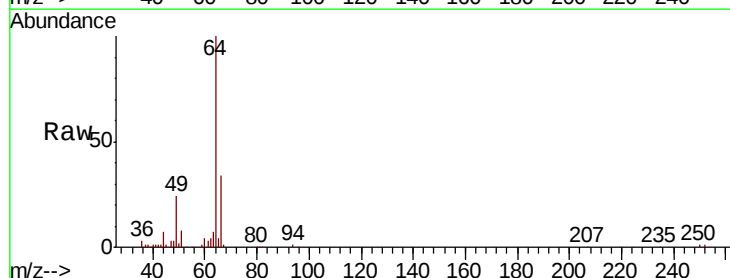
Acq: 16 Aug 2018 5:40

Tgt Ion: 64 Resp: 111188

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

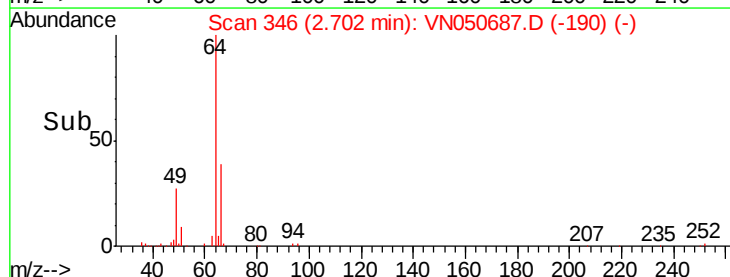
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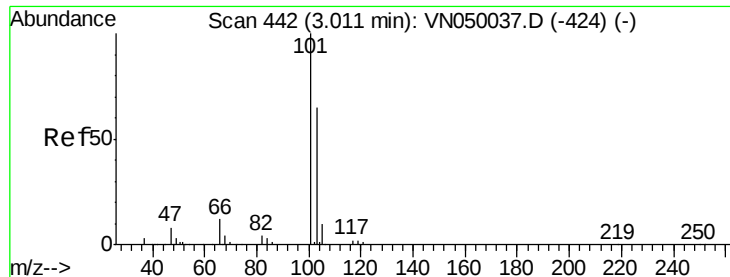
20000

0

2.60 2.65 2.70 2.75 2.80

Time-->



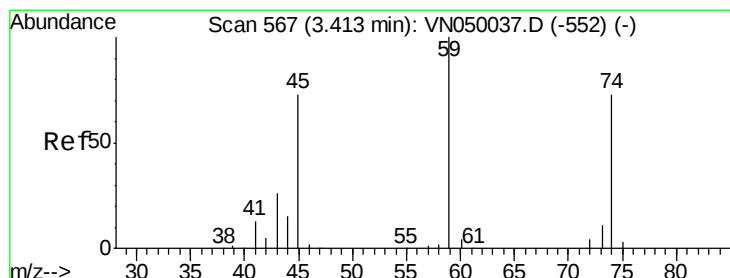
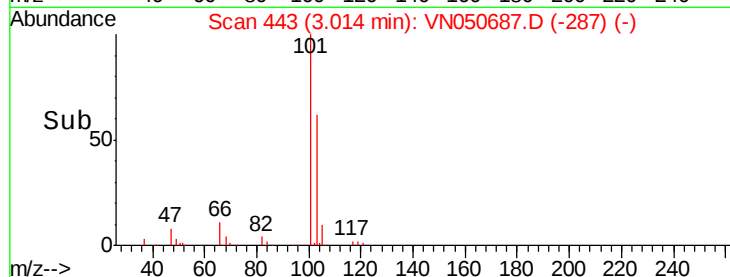
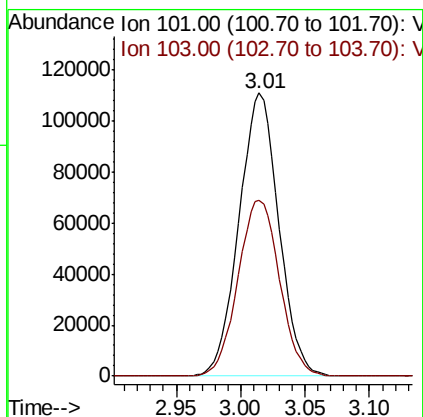
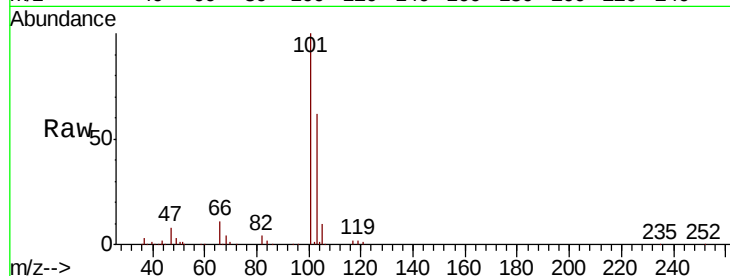


#7

Trichlorofluoromethane
 Concen: 19.50 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
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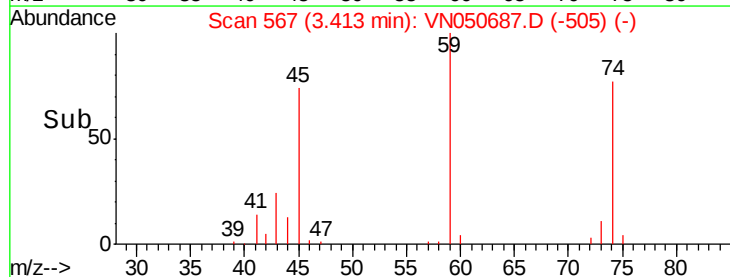
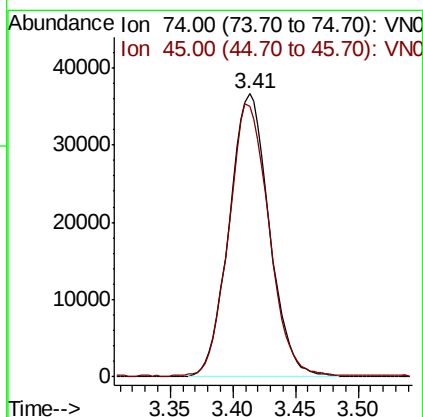
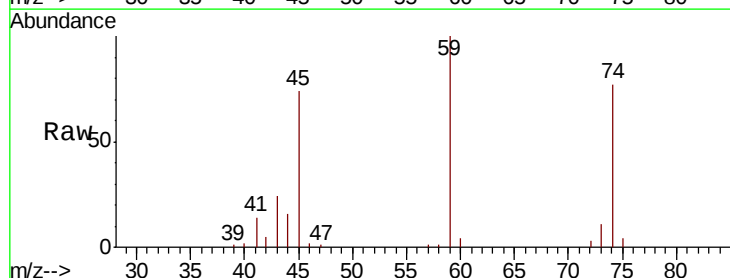
Tot Ion:101 Resp: 238329
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.5 77.3

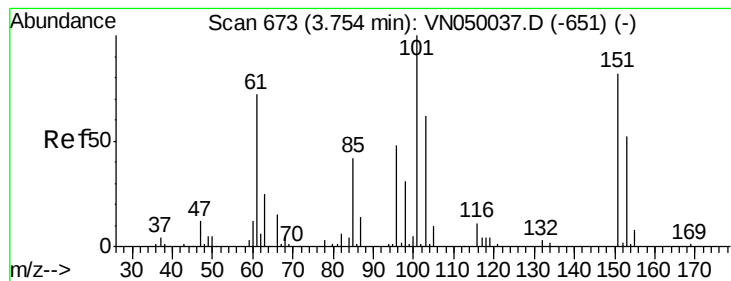


#8

Diethyl Ether
 Concen: 19.86 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 74 Resp: 81433
 Ion Ratio Lower Upper
 74 100
 45 95.8 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.21 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

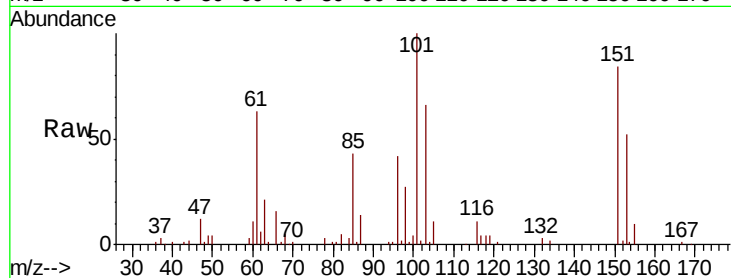
Tot Ion:101 Resp: 142842

Ion Ratio Lower Upper

101 100

85 42.4 0.0 83.0

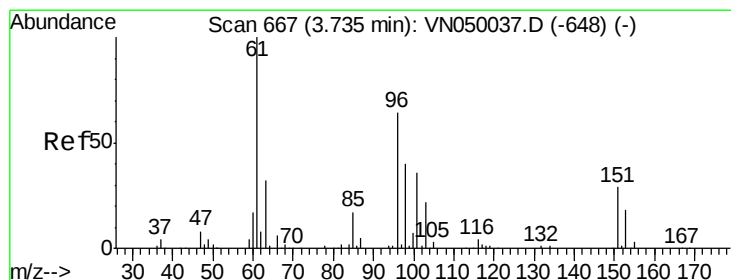
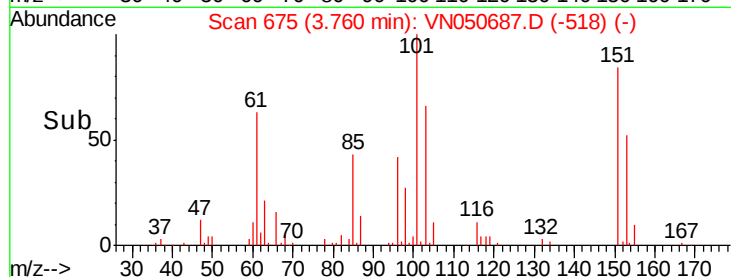
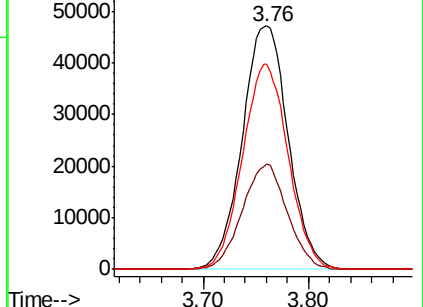
151 83.7 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.95 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

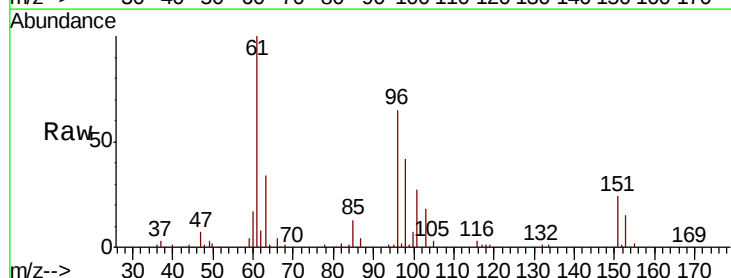
Tgt Ion: 96 Resp: 131578

Ion Ratio Lower Upper

96 100

61 153.1 130.6 195.8

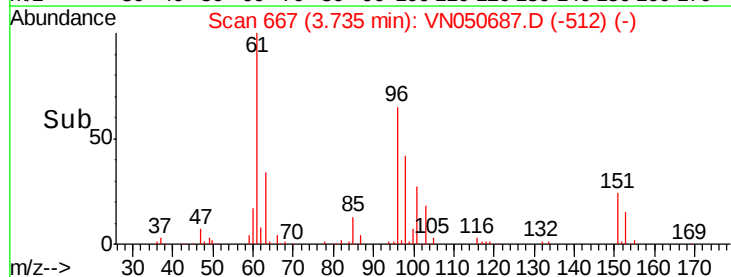
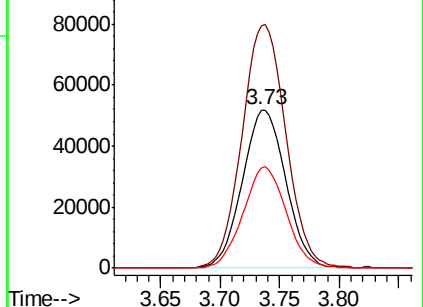
98 63.6 53.5 80.3

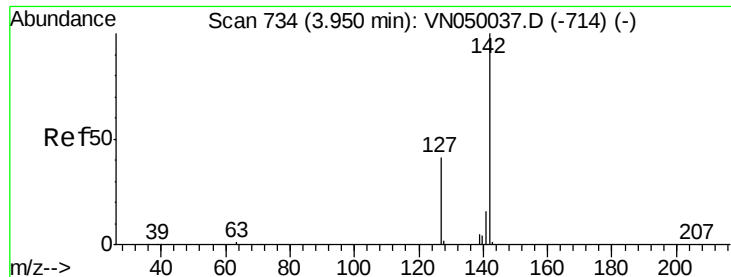


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

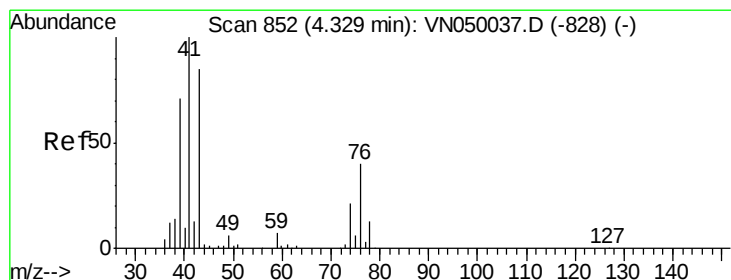
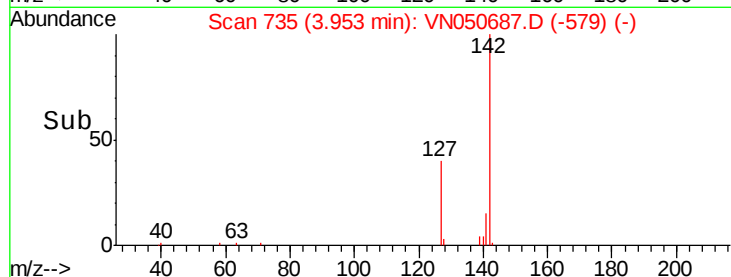
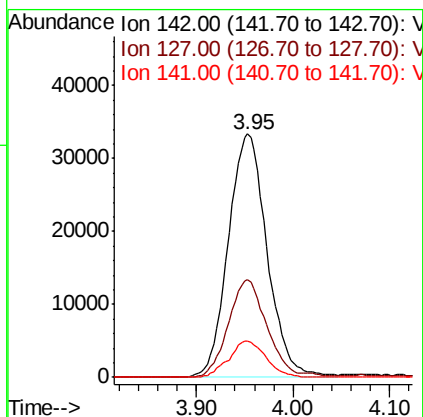
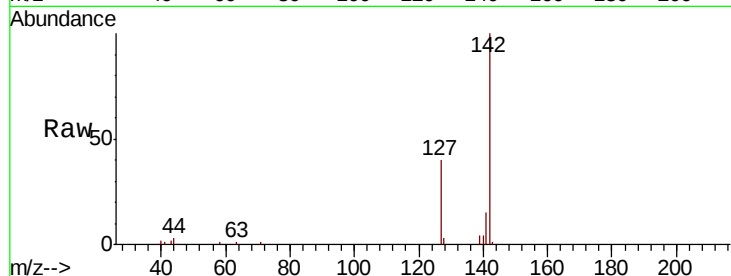




#11
Methvl Iodide
Concen: 9.58 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

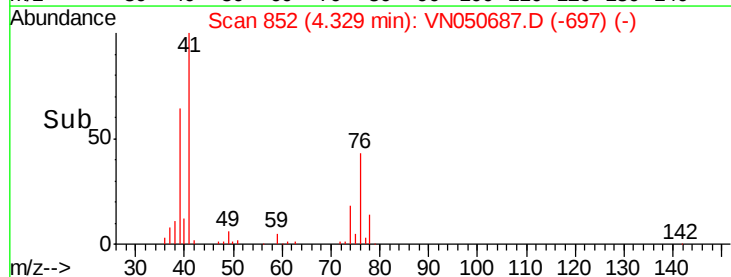
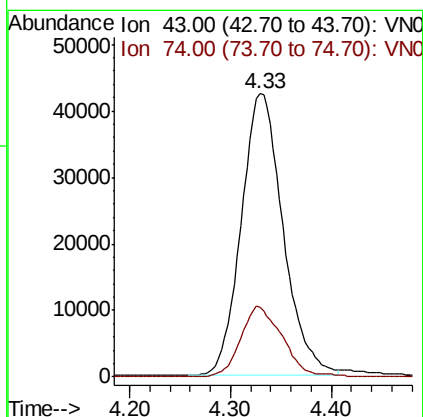
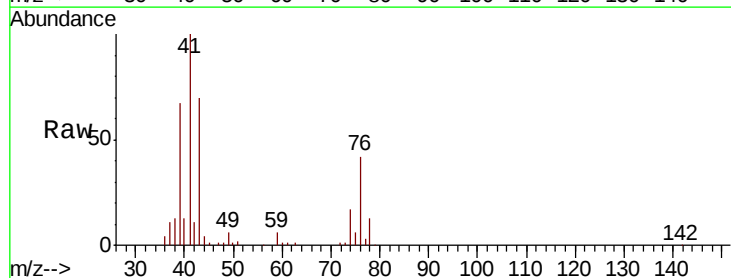
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

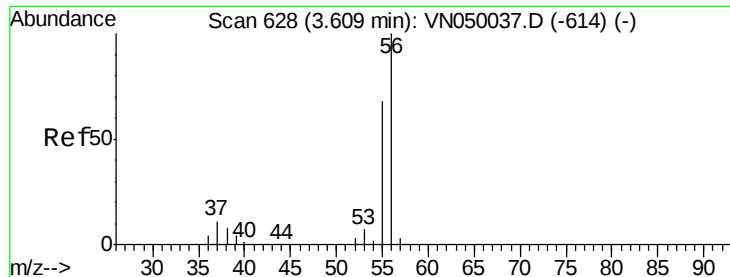
Tot Ion:142 Resp: 92991
Ion Ratio Lower Upper
142 100
127 39.7 20.2 60.5
141 14.7 6.9 20.6



#12
Methyl Acetate
Concen: 16.21 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 43 Resp: 122480
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9





#13

Acrolein

Concen: 27.25 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

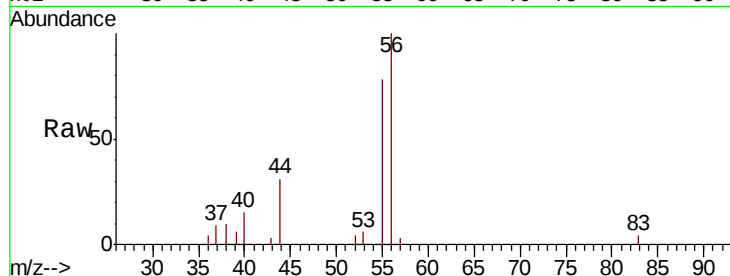
VSTDCCC020EC

Tot Ion: 56 Resp: 12719

Ion Ratio Lower Upper

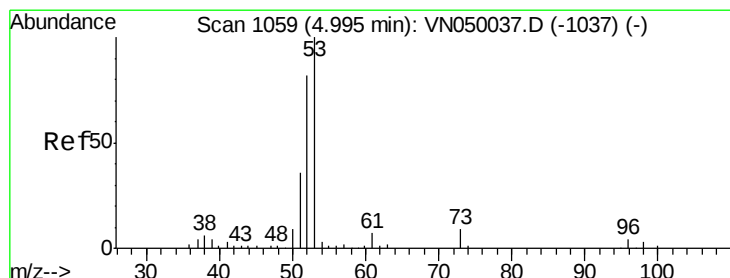
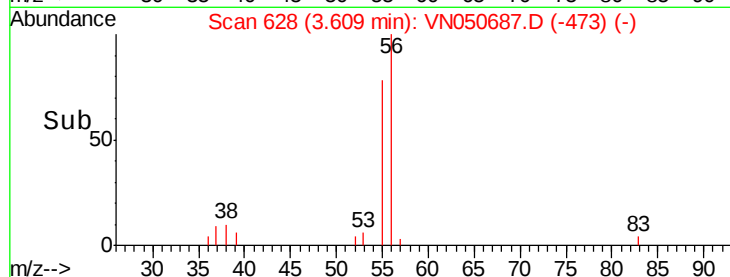
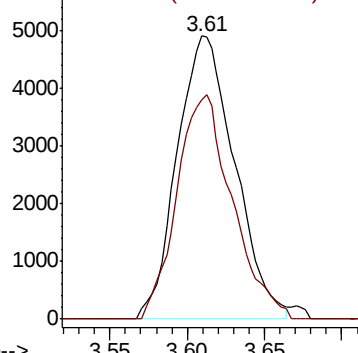
56 100

55 76.1 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 93.88 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

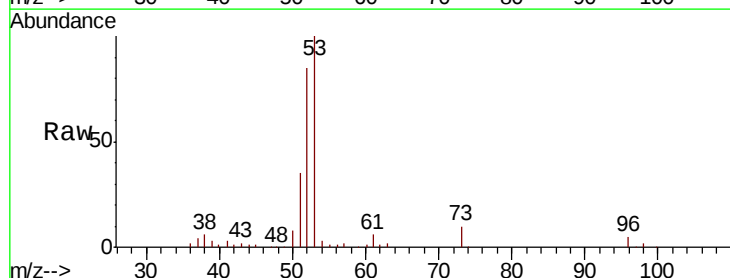
Tgt Ion: 53 Resp: 236638

Ion Ratio Lower Upper

53 100

52 81.2 41.5 124.5

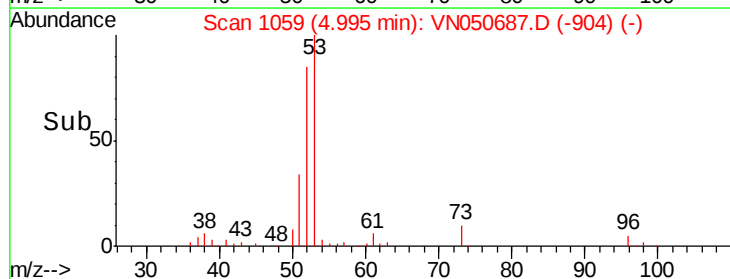
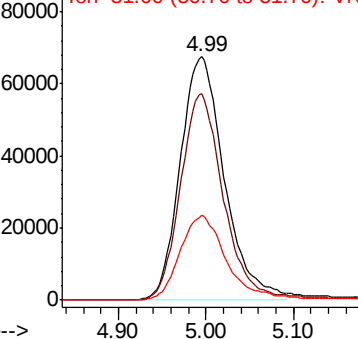
51 36.5 18.7 56.1

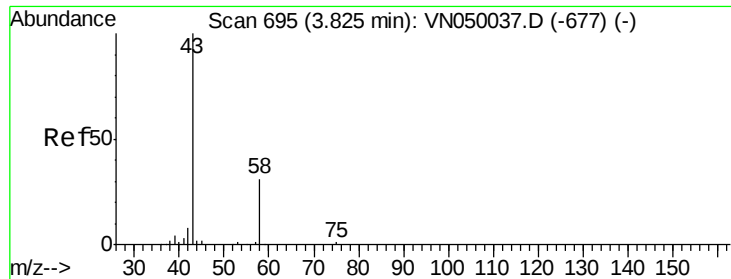


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 106.68 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

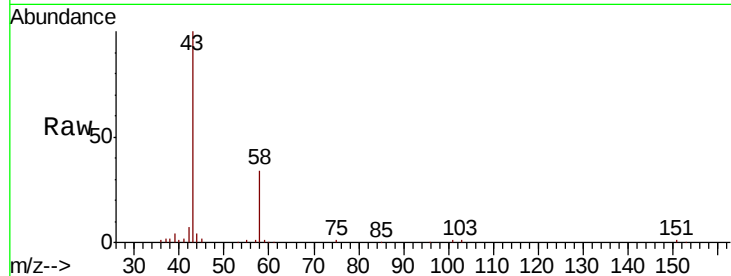
VSTDCCC020EC

Tot Ion: 58 Resp: 71458

Ion Ratio Lower Upper

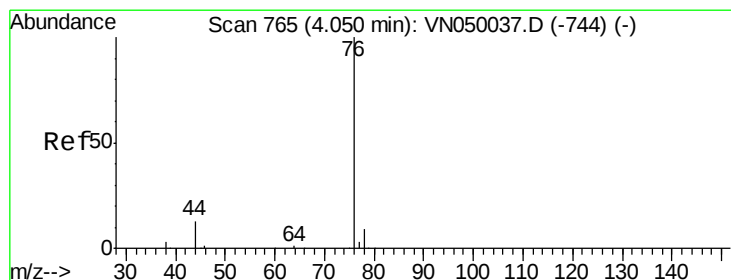
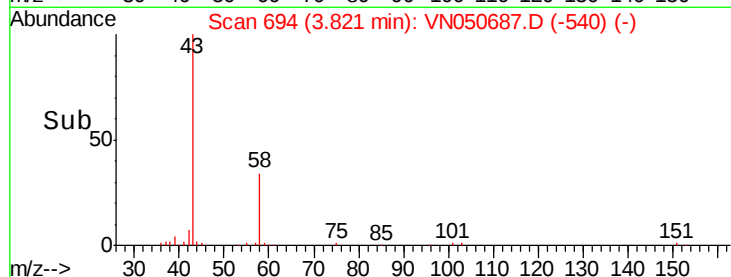
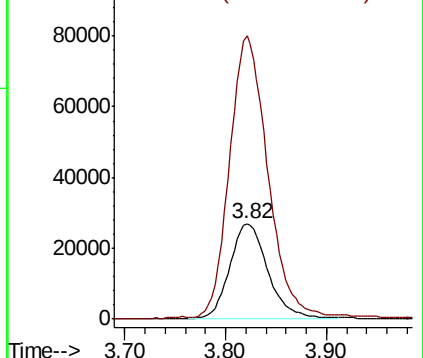
58 100

43 294.6 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.86 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050687.D

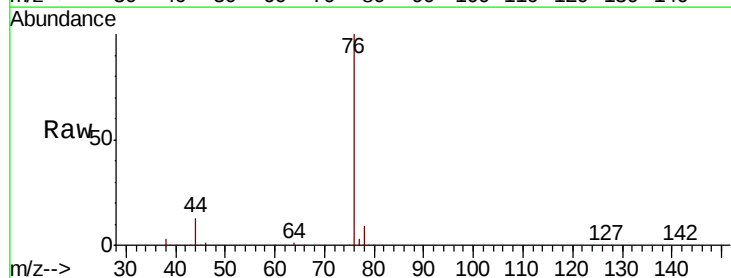
Acq: 16 Aug 2018 5:40

Tgt Ion: 76 Resp: 400765

Ion Ratio Lower Upper

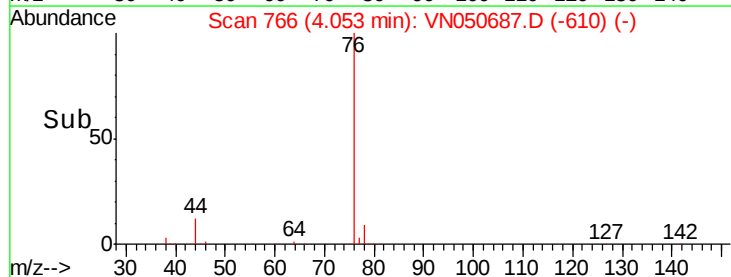
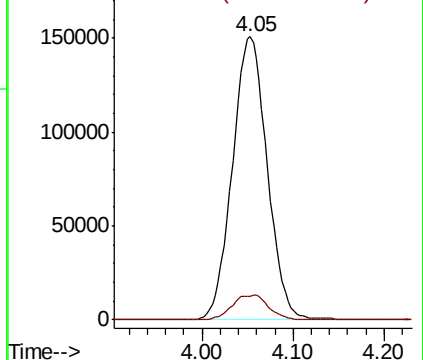
76 100

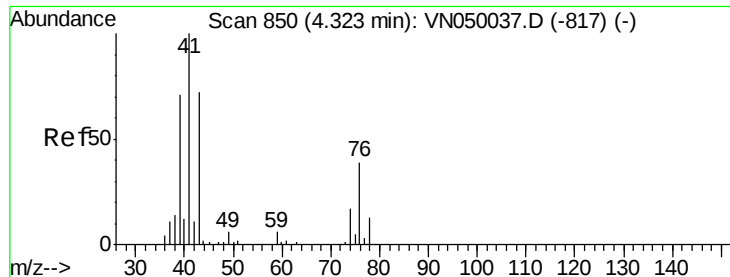
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

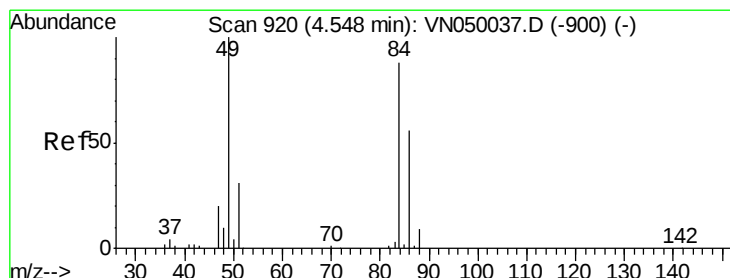
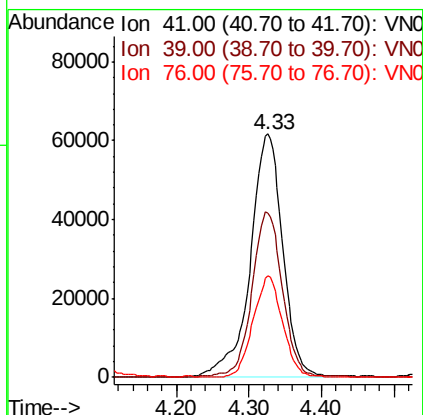
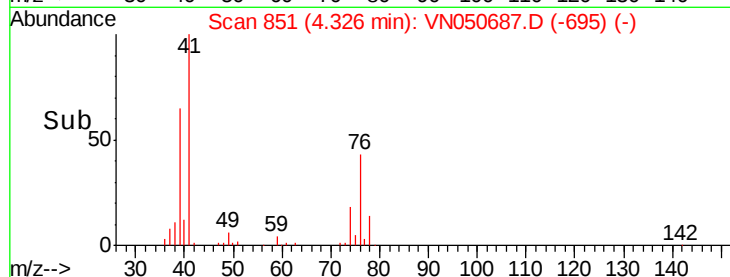
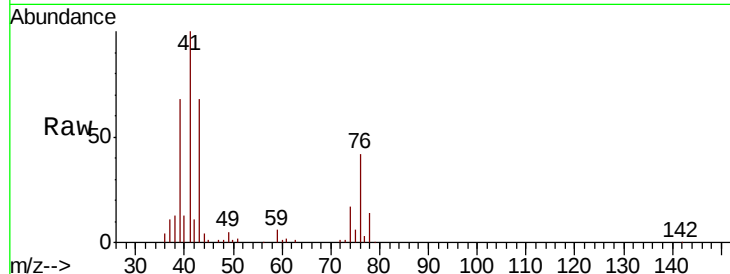




#17
Allvl chloride
Concen: 18.50 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

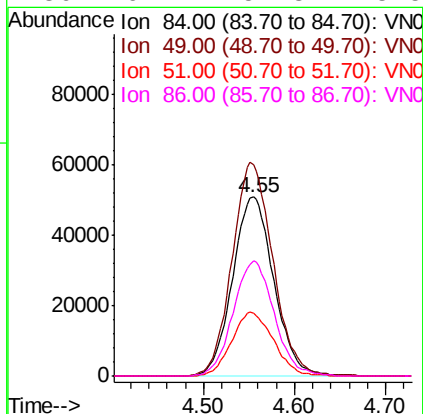
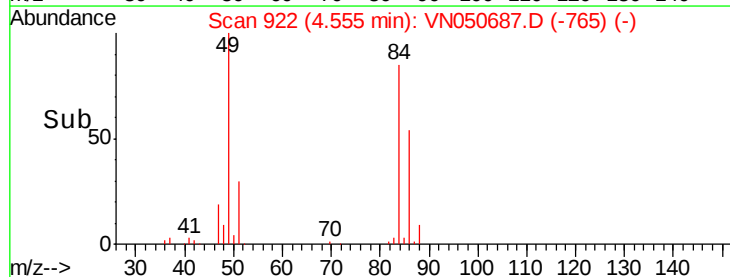
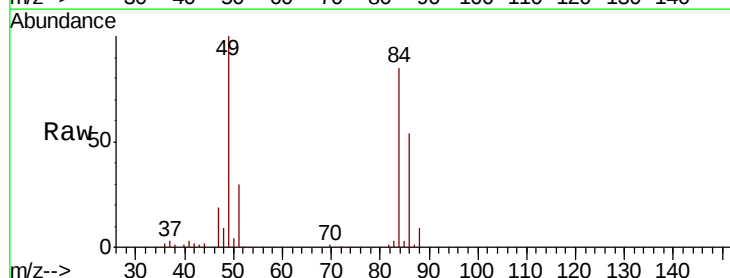
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

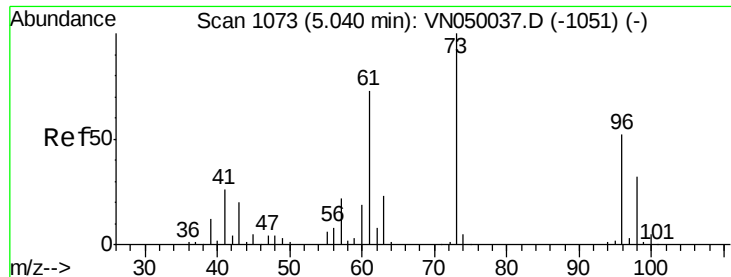
Tot Ion: 41 Resp: 192691
Ion Ratio Lower Upper
41 100
39 67.6 35.4 106.3
76 41.7 19.7 59.1



#18
Methylene Chloride
Concen: 21.02 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 84 Resp: 159969
Ion Ratio Lower Upper
84 100
49 117.8 95.1 142.7
51 35.2 28.8 43.2
86 64.1 52.3 78.5

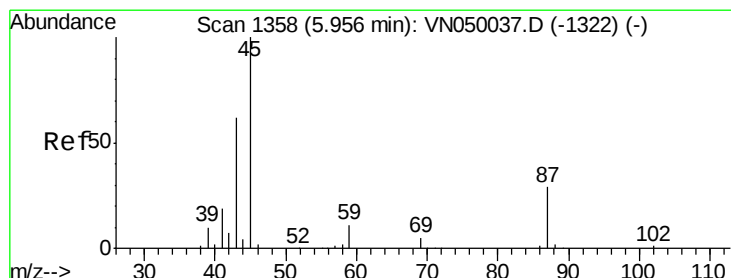
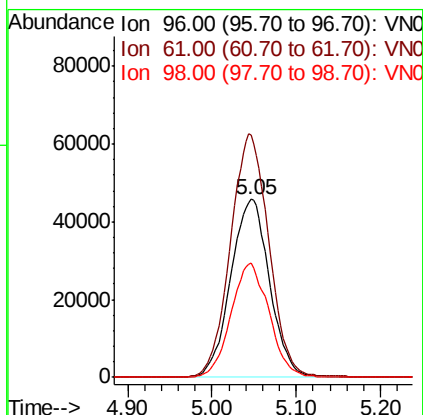
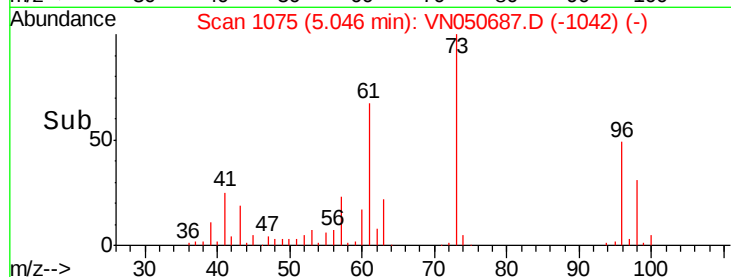
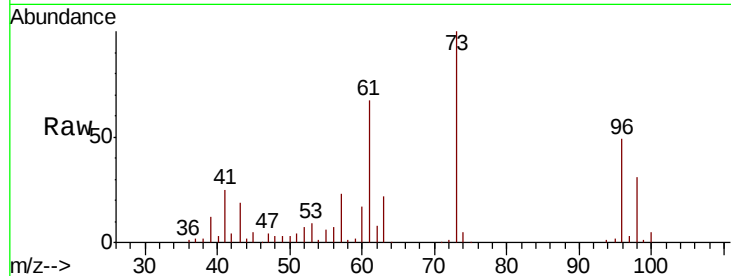




#19
trans-1,2-Dichloroethene
Concen: 20.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

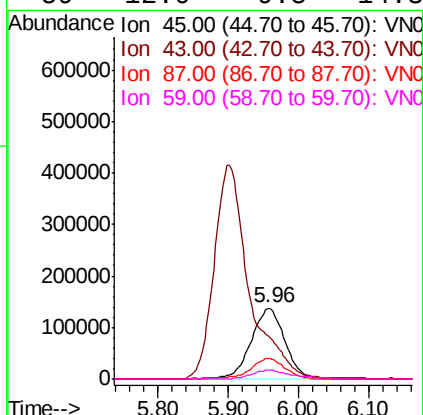
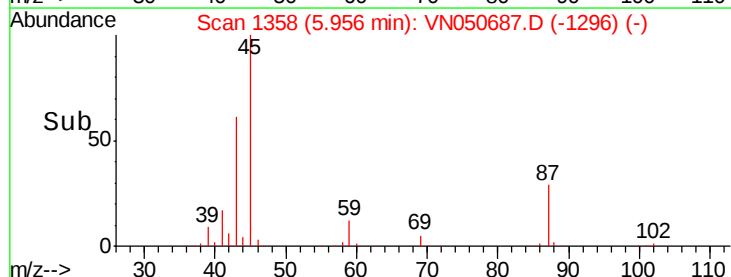
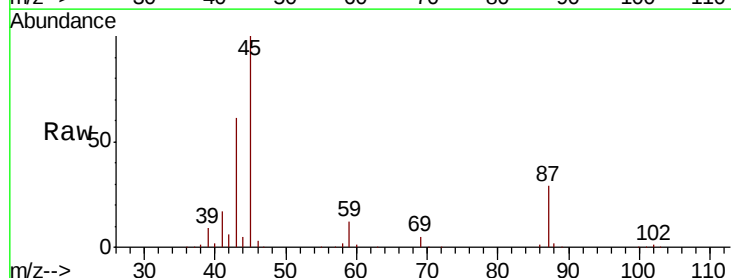
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

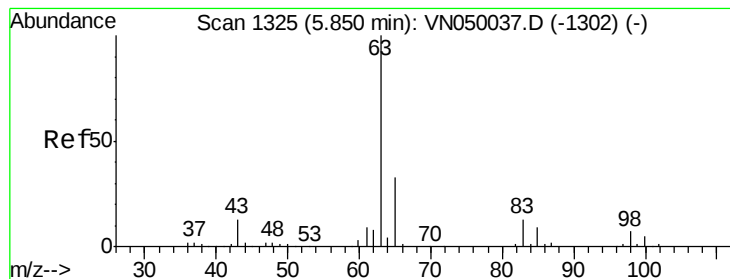
Tot Ion: 96 Resp: 147076
Ion Ratio Lower Upper
96 100
61 135.4 112.1 168.1
98 63.9 51.3 76.9



#20
Diisopropyl ether
Concen: 21.44 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 45 Resp: 457714
Ion Ratio Lower Upper
45 100
43 59.6 46.6 70.0
87 28.6 22.3 33.5
59 12.0 9.5 14.3





#21

1,1-Dichloroethane

Concen: 20.63 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

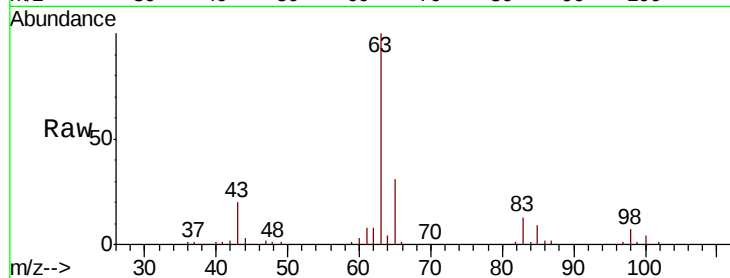
Tot Ion: 63 Resp: 276981

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

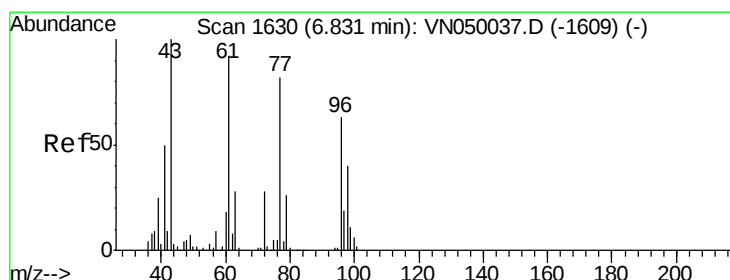
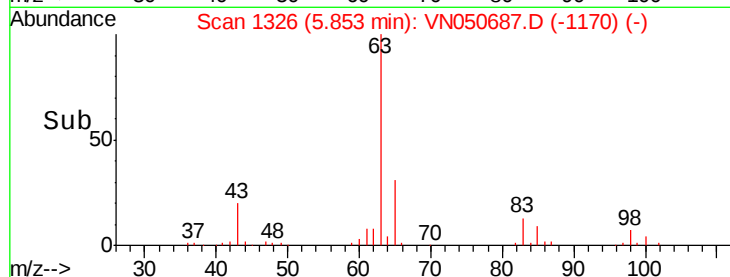
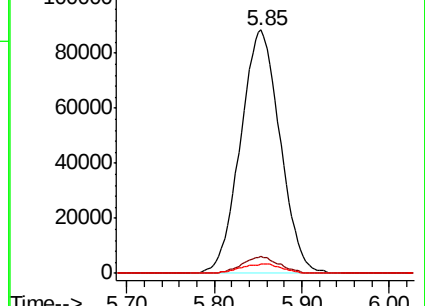
100 3.9 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

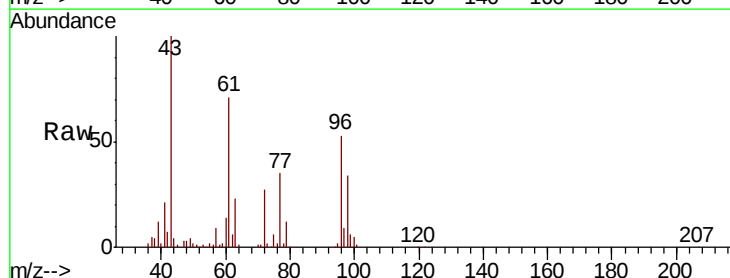
Tgt Ion: 96 Resp: 161329

Ion Ratio Lower Upper

96 100

61 133.4 114.2 171.2

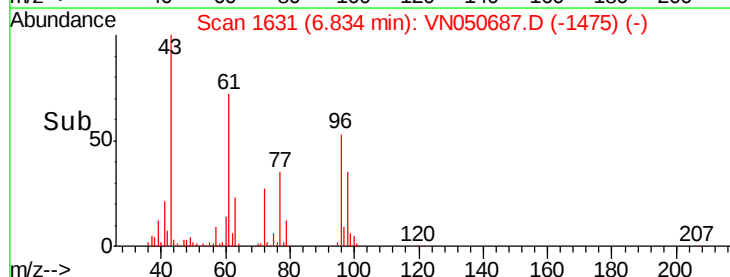
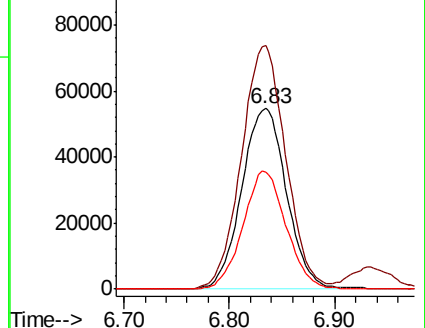
98 63.1 51.7 77.5

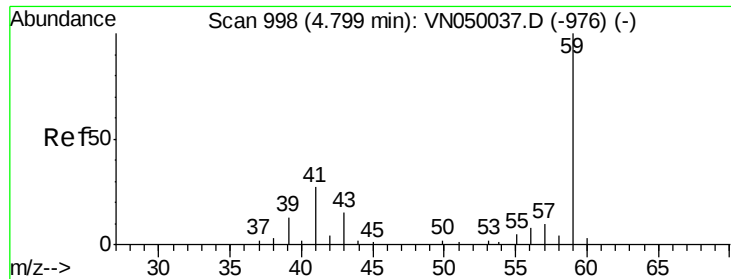


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

tert-Butyl Alcohol

Concen: 81.08 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

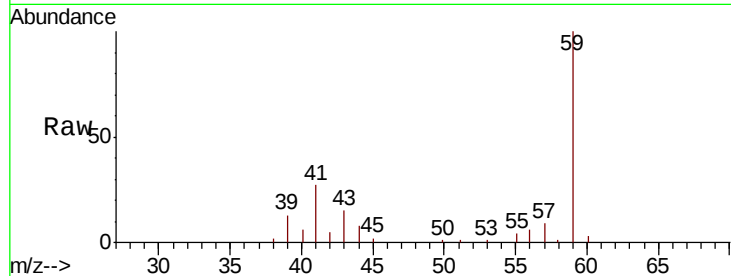
VSTDCCC020EC

Tot Ion: 59 Resp: 45663

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050037.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN050037.D (-976) (-)

4.80

15000

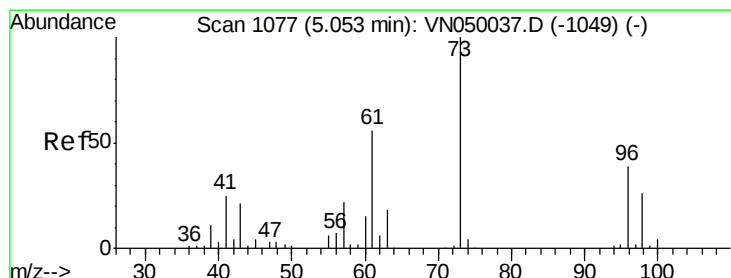
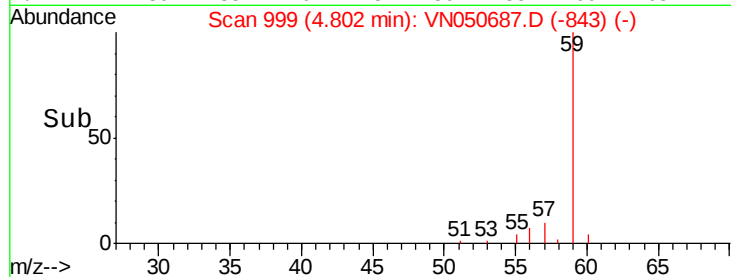
10000

5000

0

Time-->

4.70 4.80 4.90



#24

Methyl tert-Butyl Ether

Concen: 19.64 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VN050687.D

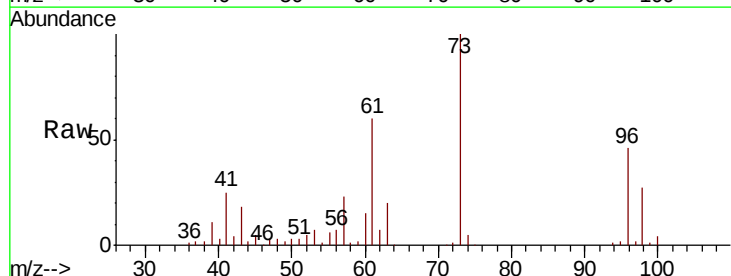
Acq: 16 Aug 2018 5:40

Tgt Ion: 73 Resp: 353132

Ion Ratio Lower Upper

73 100

43 18.4 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN050037.D (-1049) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-1049) (-)

5.05

100000

80000

60000

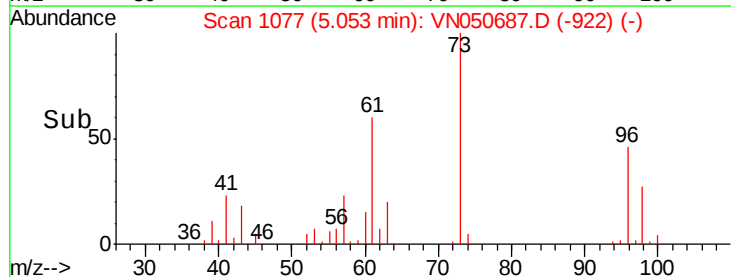
40000

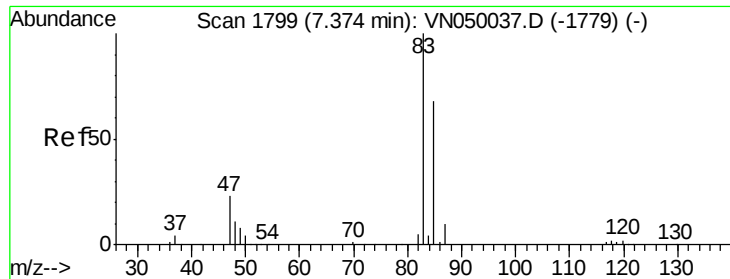
20000

0

Time-->

4.90 5.00 5.10 5.20





#25

Chloroform

Concen: 20.50 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

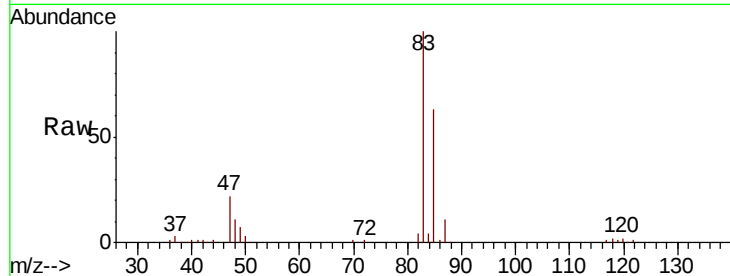
VSTDCCC020EC

Tot Ion: 83 Resp: 278673

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-1779) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-1779) (-)

7.37

120000

100000

80000

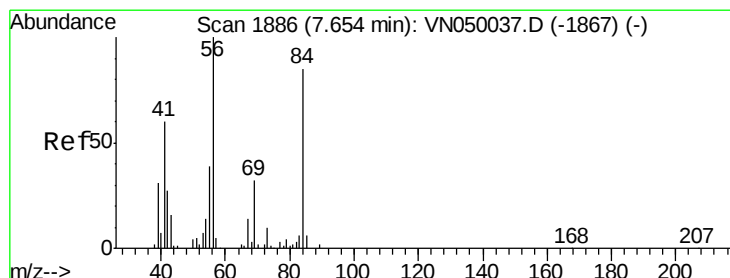
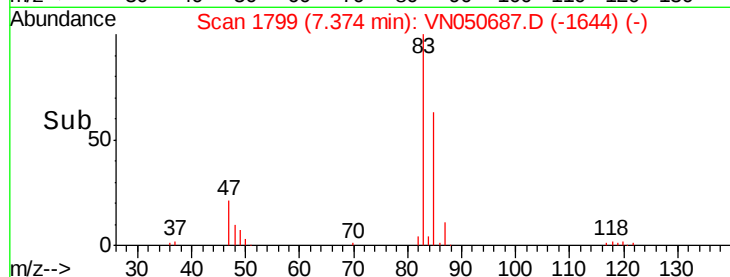
60000

40000

20000

0

Time-->



#26

Cyclohexane

Concen: 20.77 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

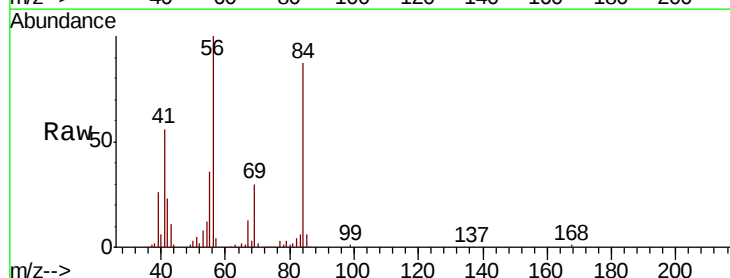
Tgt Ion: 56 Resp: 221574

Ion Ratio Lower Upper

56 100

89 0.0 3.0 4.4#

84 86.4 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VN050037.D (-1867) (-)

Ion 89.00 (88.70 to 89.70): VN050037.D (-1867) (-)

Ion 84.00 (83.70 to 84.70): VN050037.D (-1867) (-)

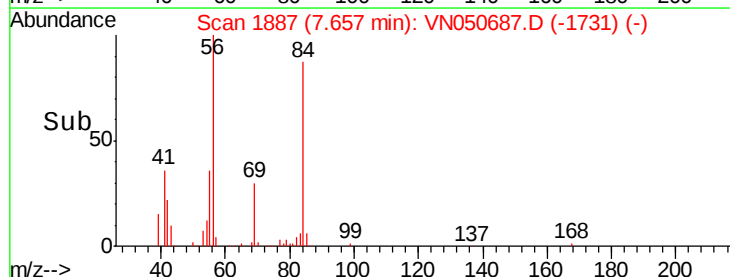
150000

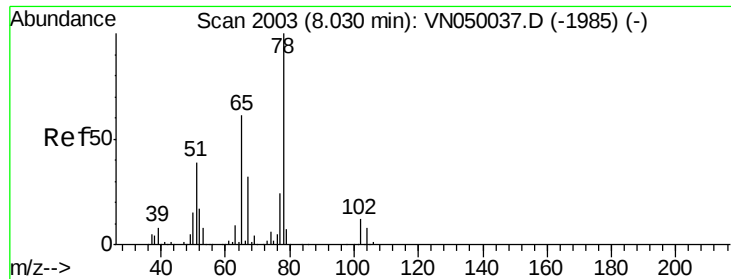
100000

50000

0

Time-->

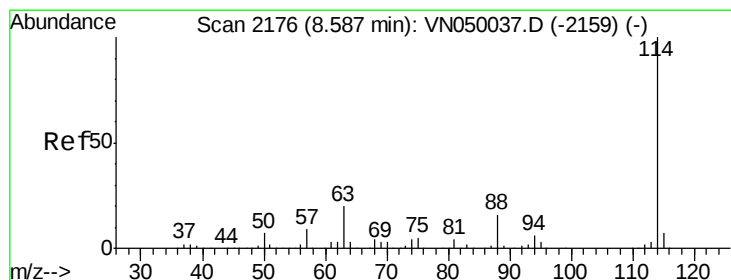
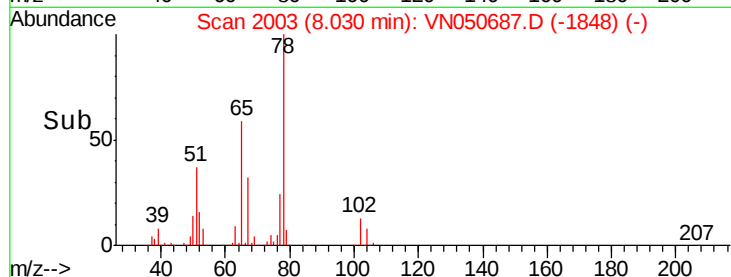
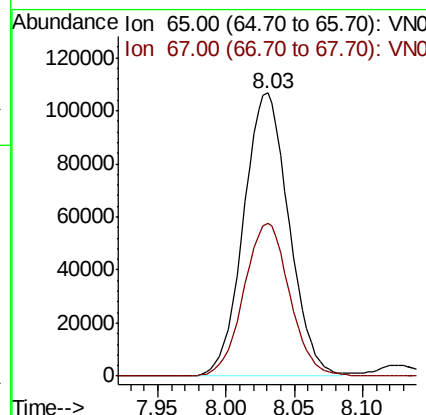
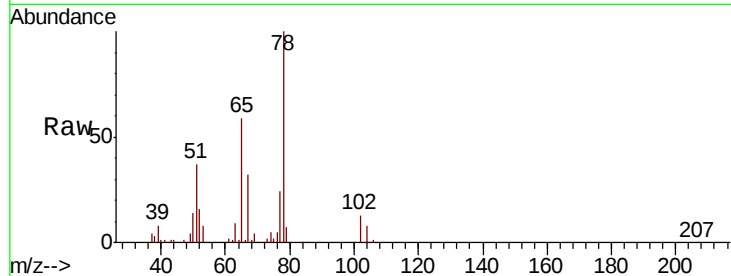




#27
 1,2-Dichloroethane-d4
 Concen: 29.25 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

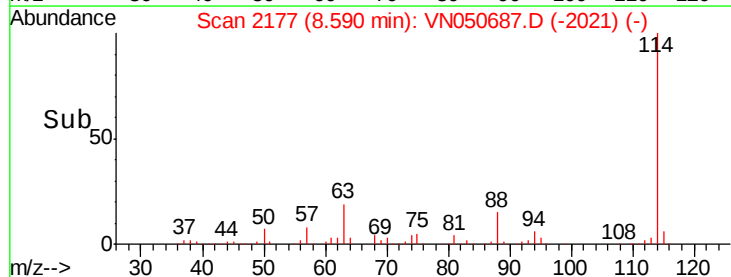
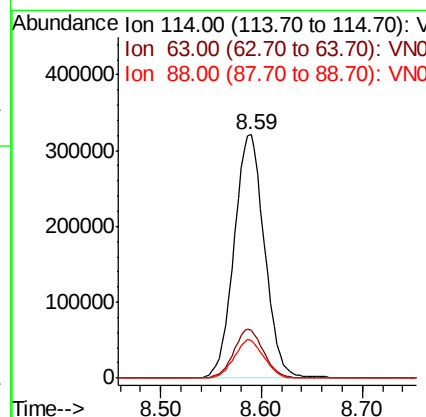
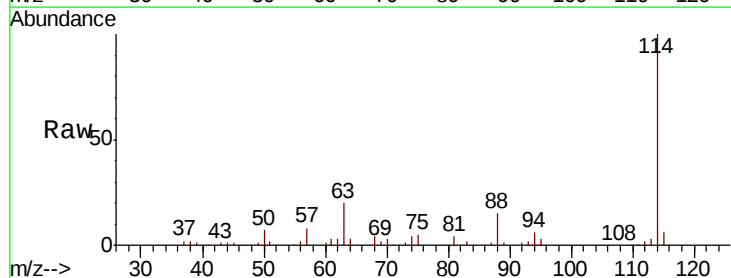
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

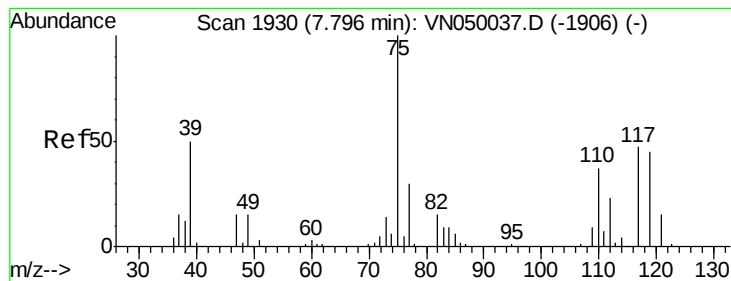
Tot Ion: 65 Resp: 245863
 Ion Ratio Lower Upper
 65 100
 67 54.7 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 114 Resp: 673648
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.4 12.3 18.5





#29

1,1-Dichloropropene

Concen: 19.58 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

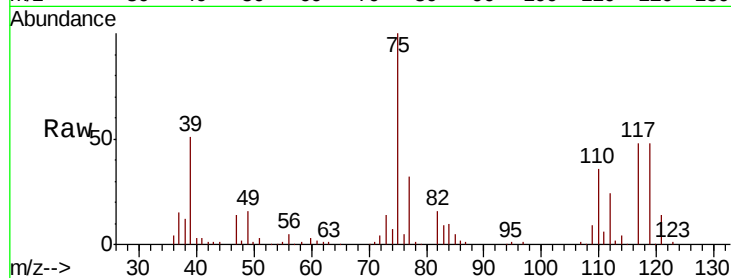
Tot Ion: 75 Resp: 204718

Ion Ratio Lower Upper

75 100

110 35.6 0.0 73.2

77 30.9 0.0 62.0

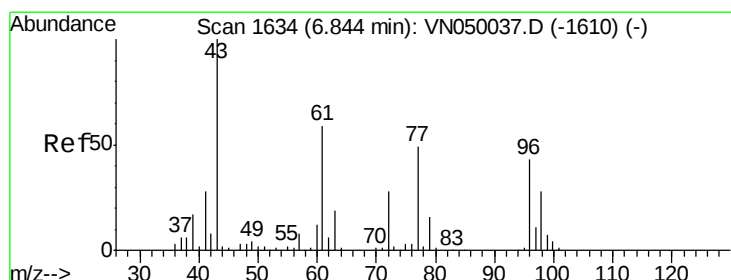
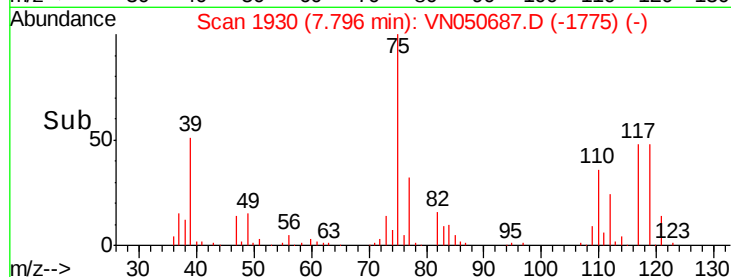


Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-1906) (-)

Ion 110.00 (109.70 to 110.70): VN050037.D (-1906) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-1906) (-)

Time-->



#30

2-Butanone

Concen: 98.75 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

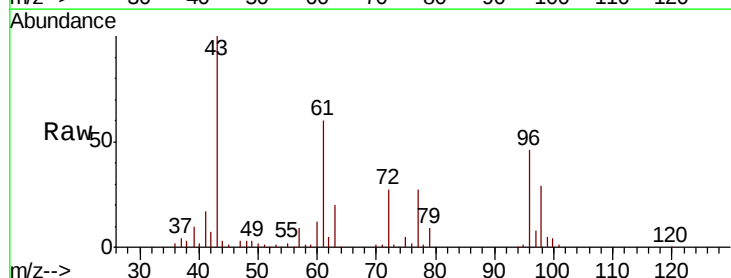
Tgt Ion: 43 Resp: 323975

Ion Ratio Lower Upper

43 100

57 8.7 6.8 10.2

72 27.8 21.4 32.0

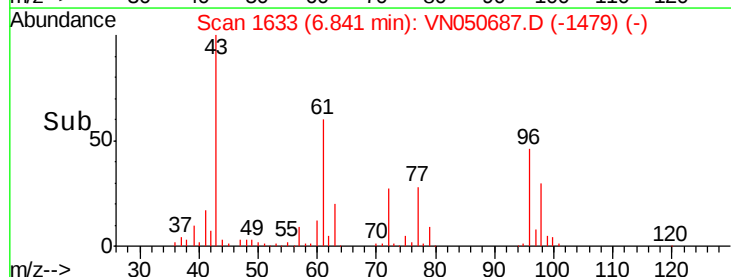


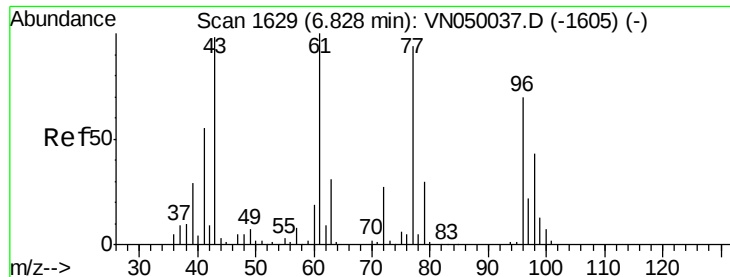
Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1610) (-)

Ion 57.00 (56.70 to 57.70): VN050037.D (-1610) (-)

Ion 72.00 (71.70 to 72.70): VN050037.D (-1610) (-)

Time-->





#31

2,2-Dichloropropane

Concen: 10.51 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

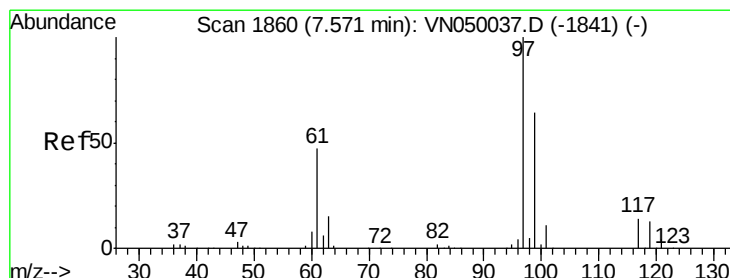
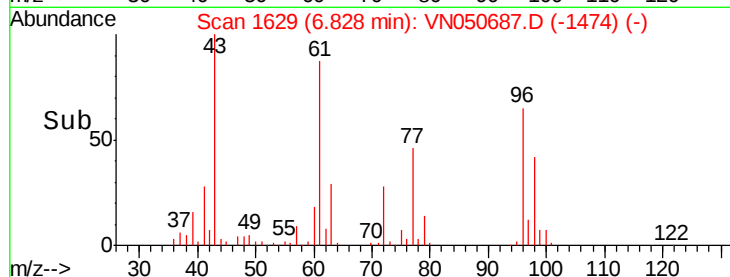
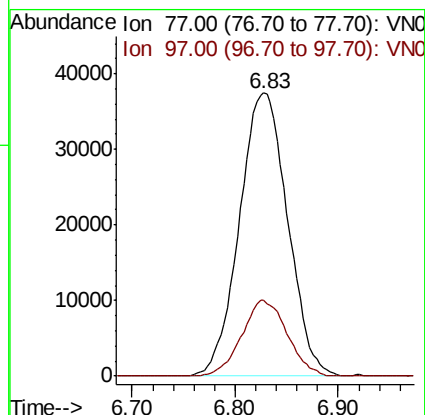
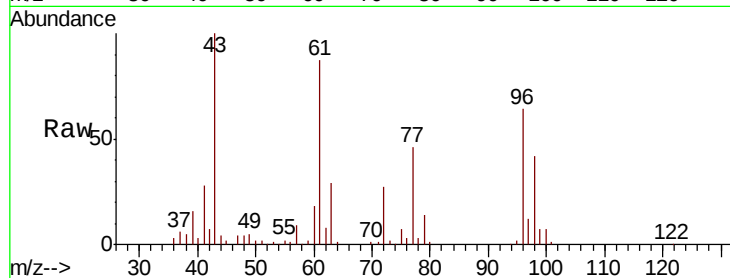
VSTDCCC020EC

Tot Ion: 77 Resp: 121432

Ion Ratio Lower Upper

77 100

97 25.4 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 19.04 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

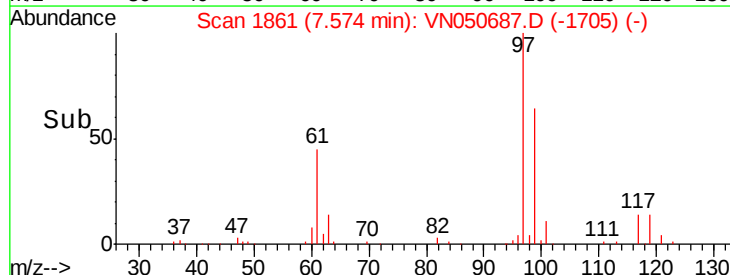
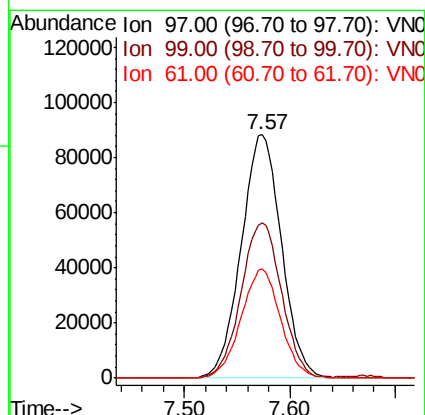
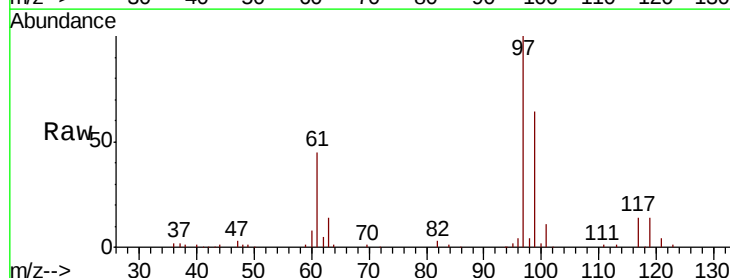
Tgt Ion: 97 Resp: 234337

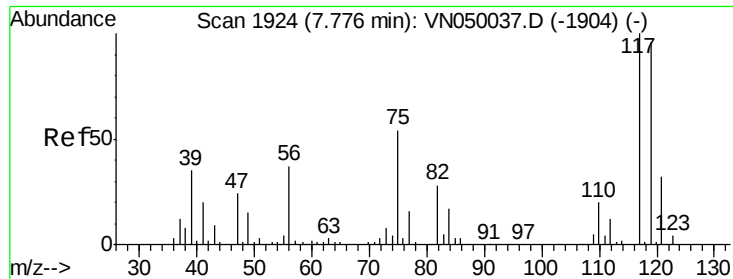
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 44.0 35.3 52.9





#33

Carbon Tetrachloride

Concen: 19.01 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

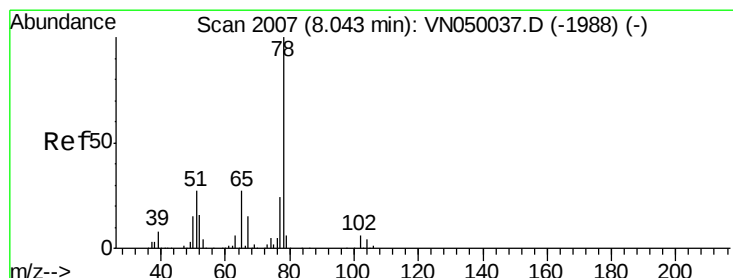
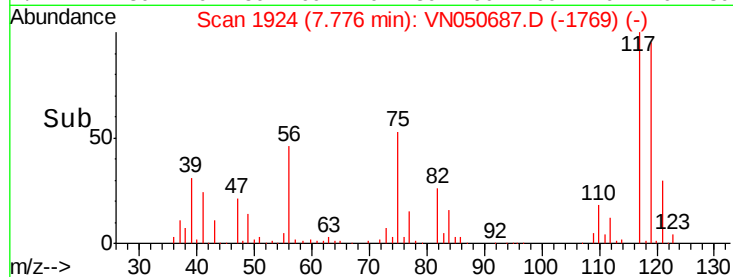
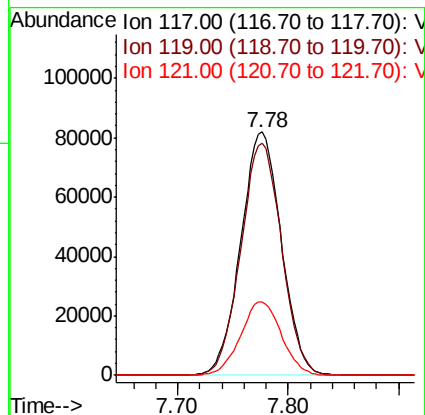
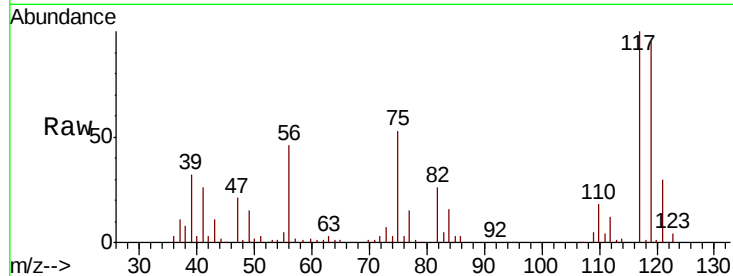
Tot Ion:117 Resp: 208522

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3

121 30.2 24.4 36.6



#34

Benzene

Concen: 19.87 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

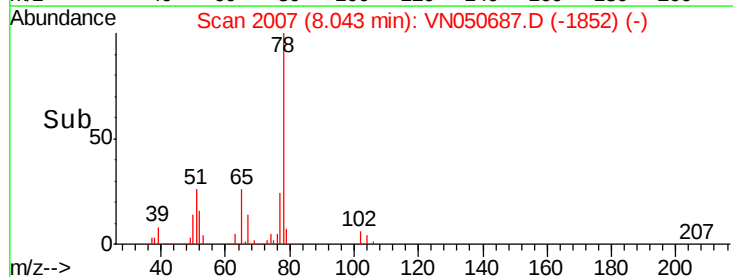
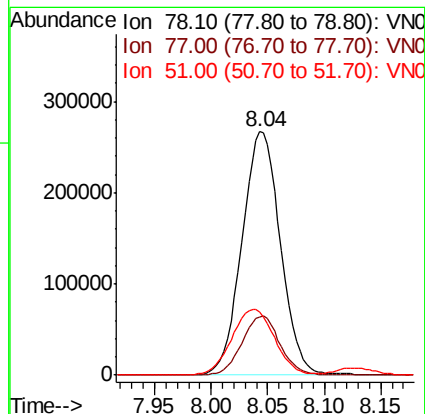
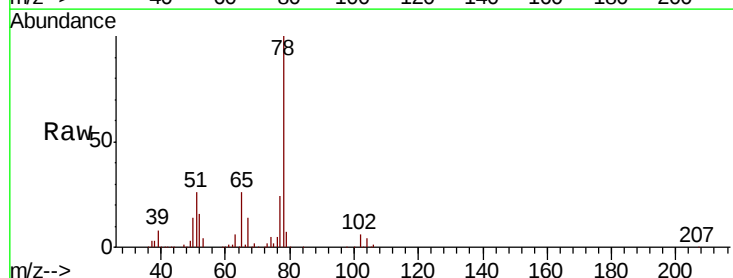
Tgt Ion: 78 Resp: 630800

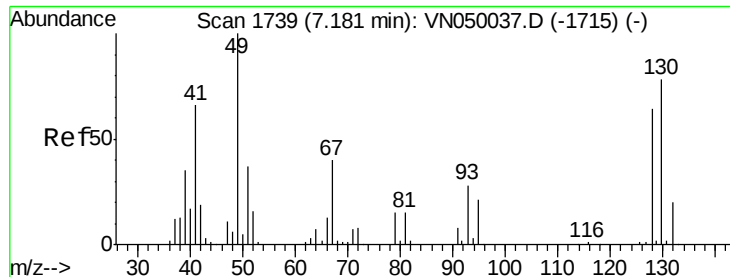
Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

51 26.0 21.0 31.4

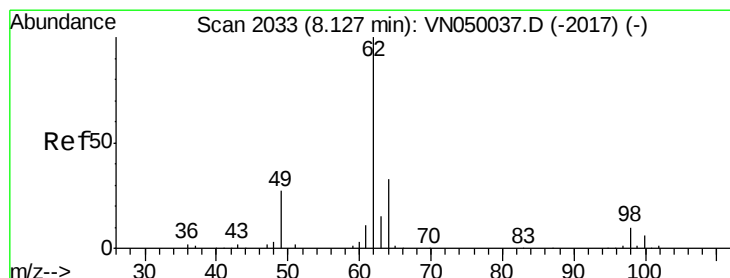
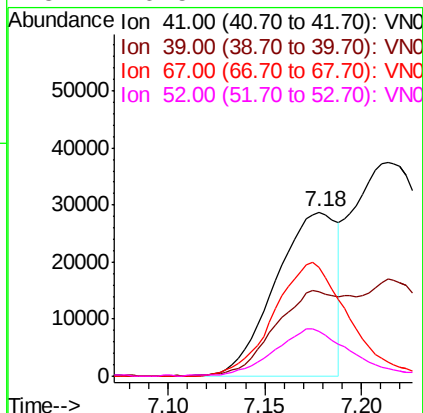
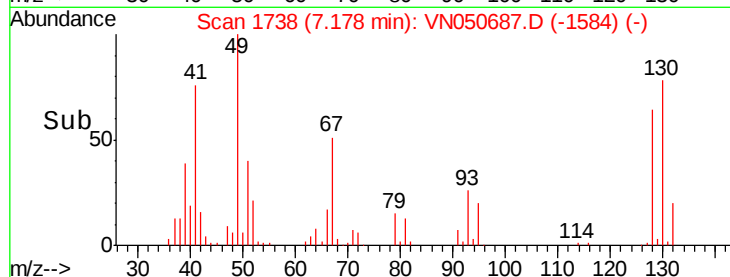
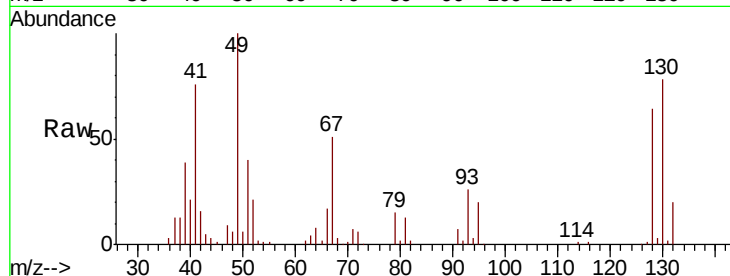




#35
Methacrylonitrile
Concen: 17.00 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

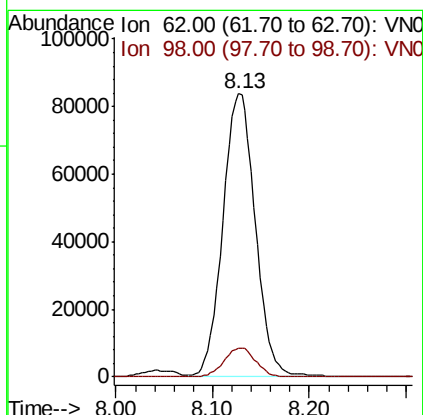
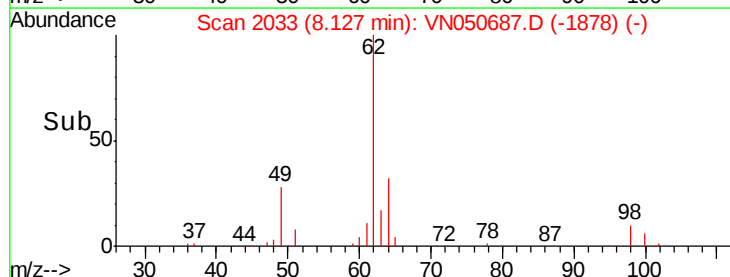
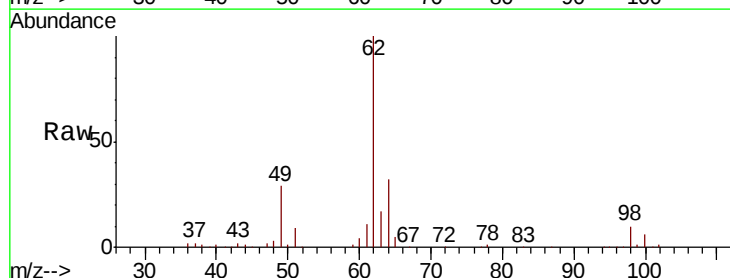
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

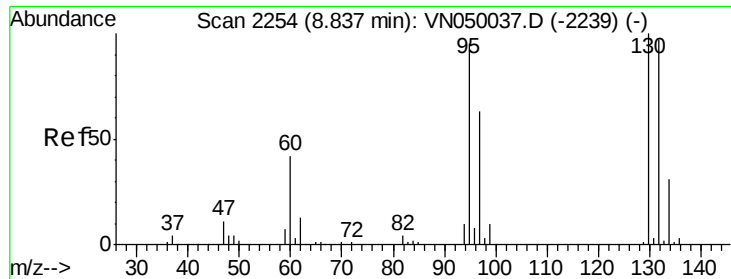
Tot Ion: 41 Resp: 63485
Ion Ratio Lower Upper
41 100
39 51.5 27.6 82.7
67 66.2 35.1 105.5
52 26.5 14.1 42.4



#36
1,2-Dichloroethane
Concen: 18.76 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 62 Resp: 195602
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.6

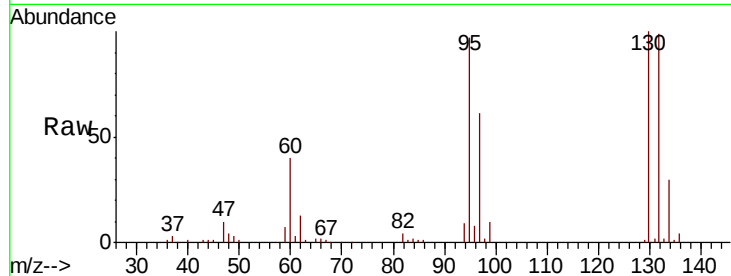




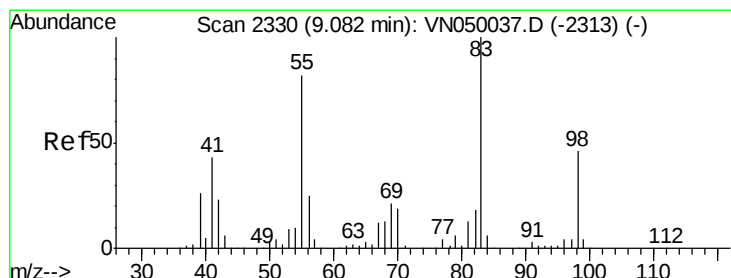
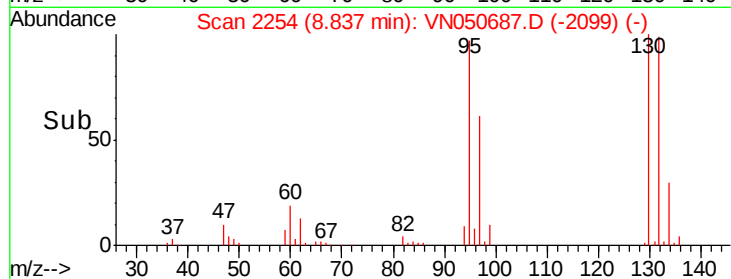
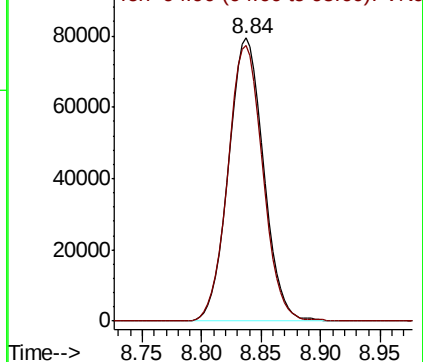
#37
 Trichloroethene
 Concen: 19.49 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 162276
 Ion Ratio Lower Upper
 130 100
 95 97.4 79.7 119.5

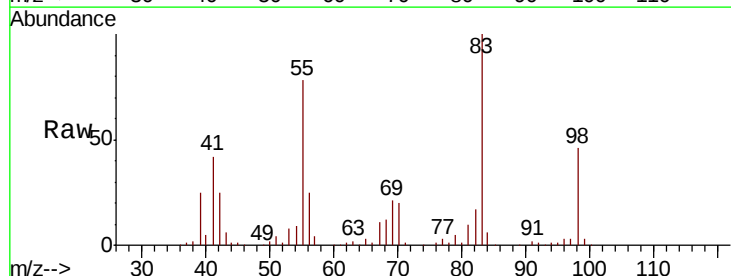


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

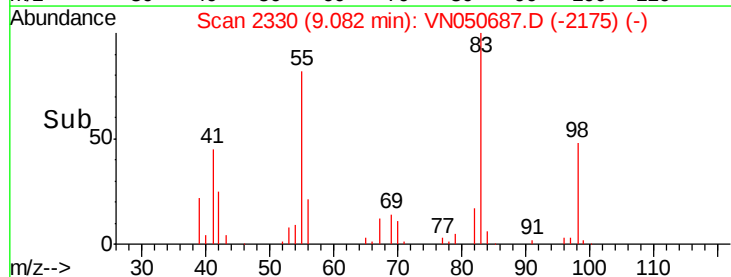
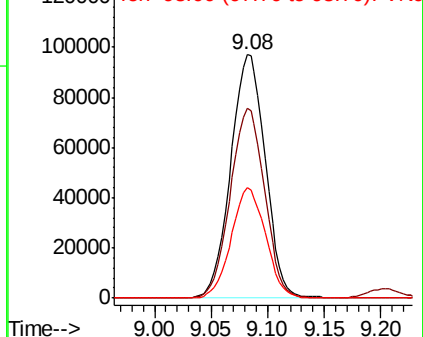


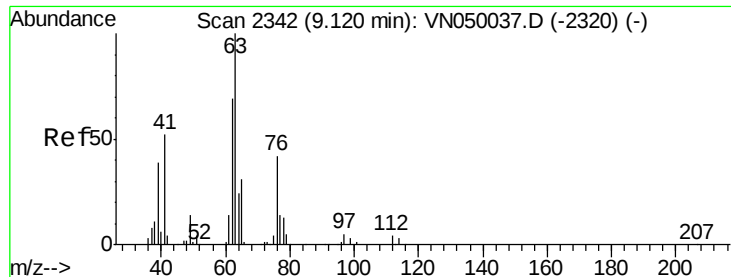
#38
 Methylcyclohexane
 Concen: 18.71 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 83 Resp: 206177
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.3 117.8
 98 45.1 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.98 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

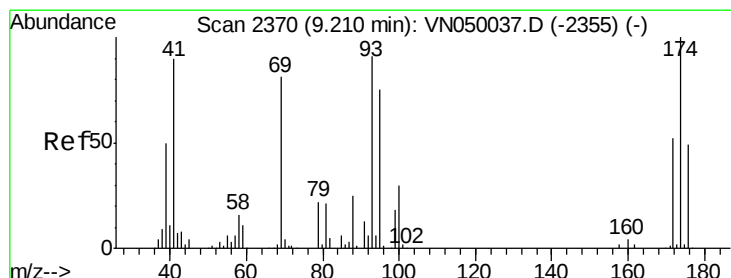
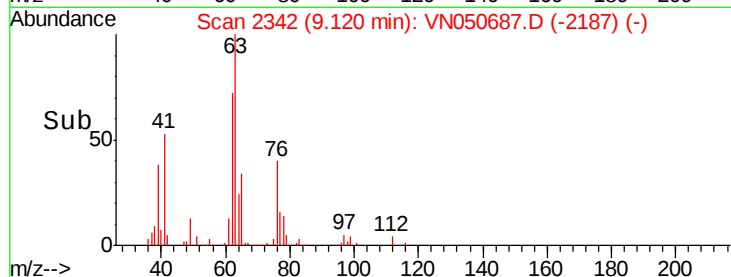
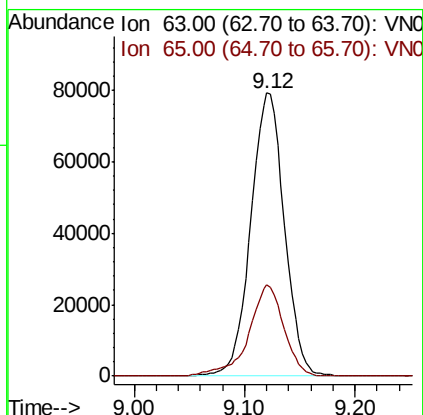
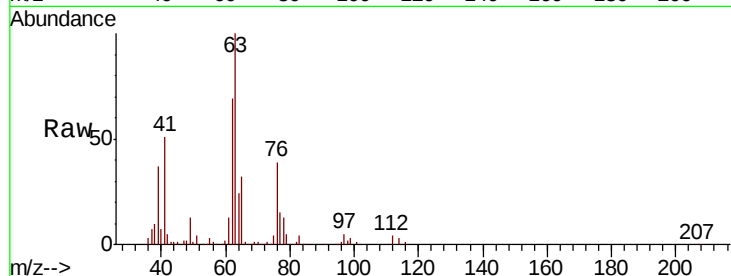
VSTDCCC020EC

Tot Ion: 63 Resp: 167141

Ion Ratio Lower Upper

63 100

65 32.4 24.2 36.2



#40

Dibromomethane

Concen: 19.10 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

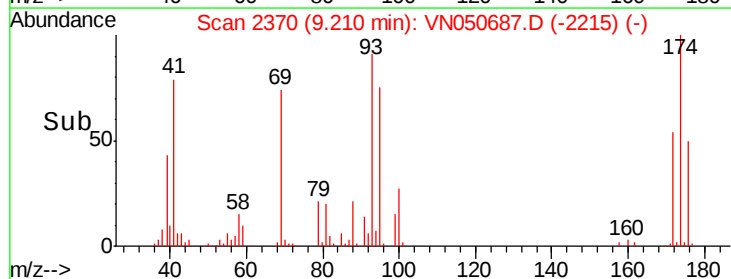
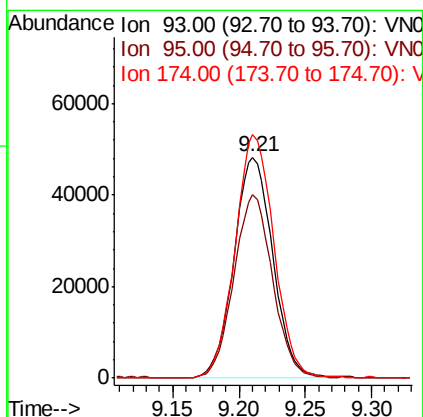
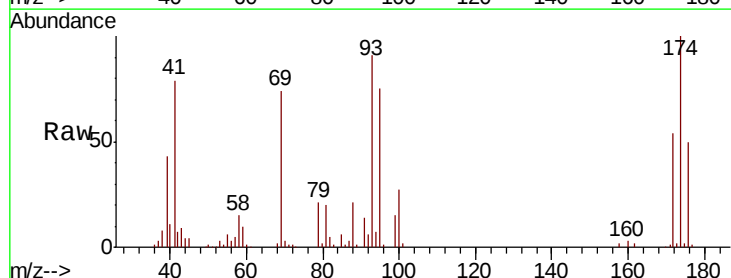
Tgt Ion: 93 Resp: 98714

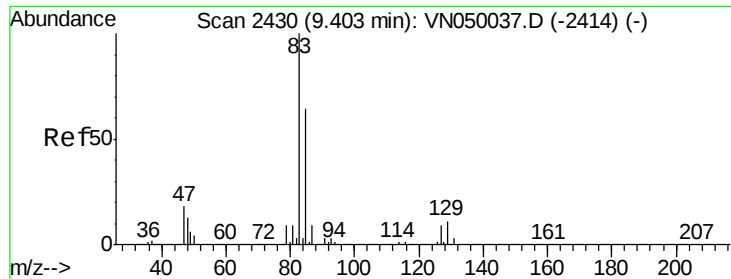
Ion Ratio Lower Upper

93 100

95 82.5 0.0 165.6

174 110.2 0.0 223.2





#41

Bromodichloromethane

Concen: 19.27 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

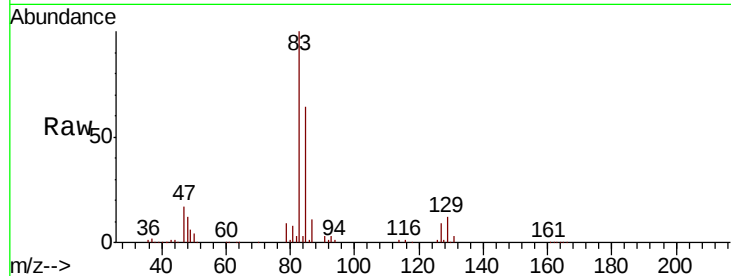
Tot Ion: 83 Resp: 210108

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8

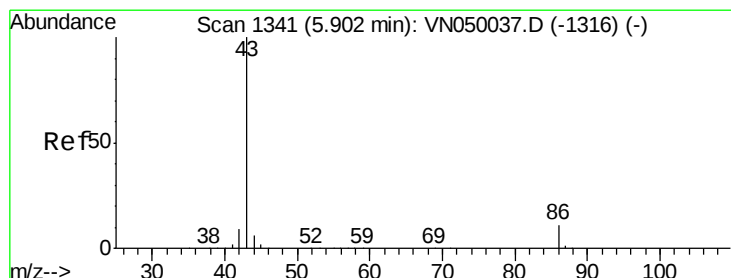
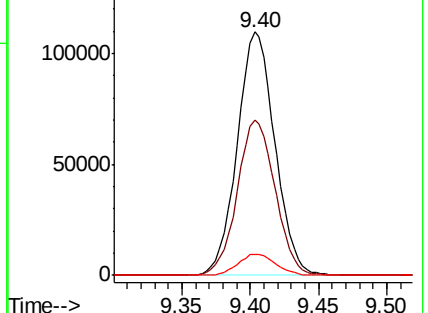
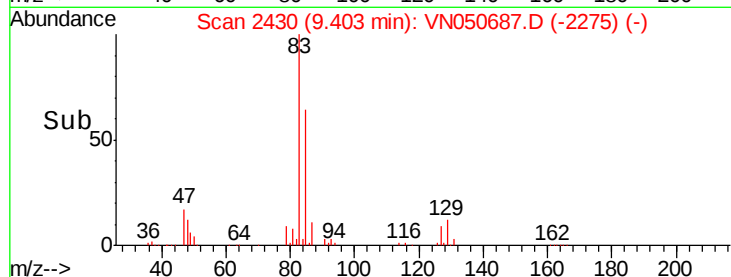
127 8.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 93.17 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050687.D

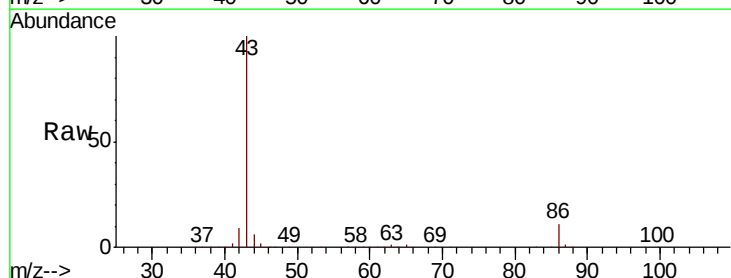
Acq: 16 Aug 2018 5:40

Tgt Ion: 43 Resp: 1438311

Ion Ratio Lower Upper

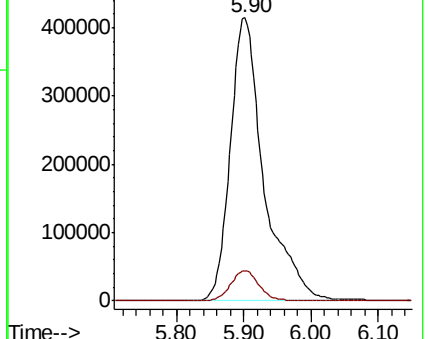
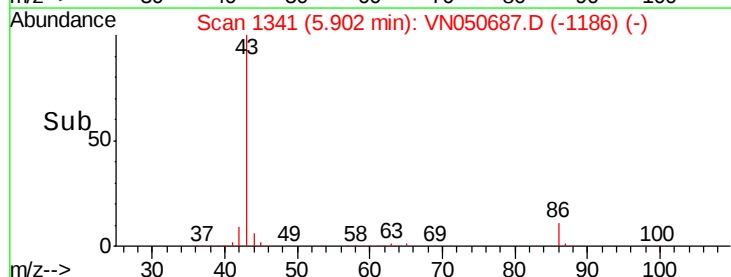
43 100

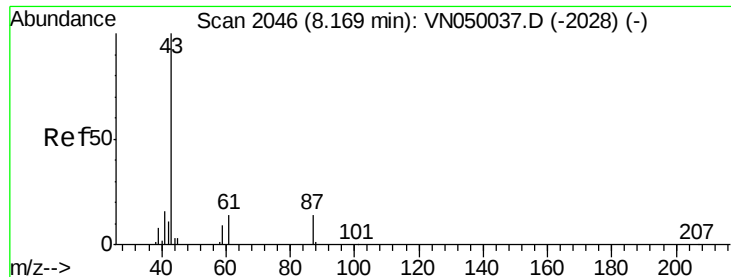
86 9.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#44

Isopropyl Acetate

Concen: 19.43 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

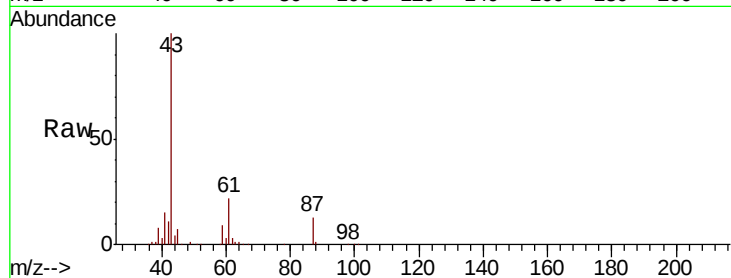
VSTDCCC020EC

Tot Ion: 43 Resp: 246602

Ion Ratio Lower Upper

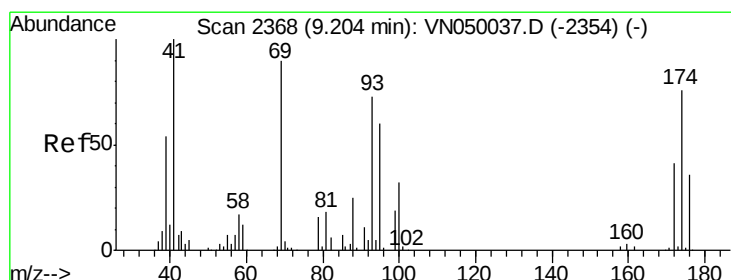
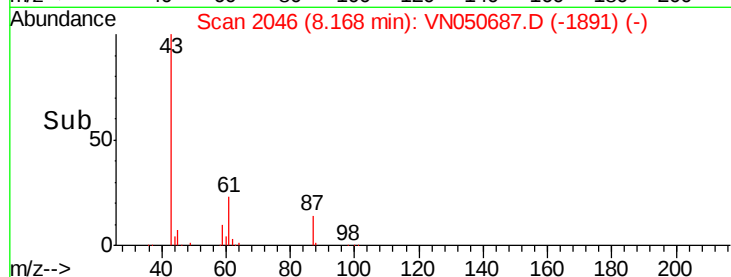
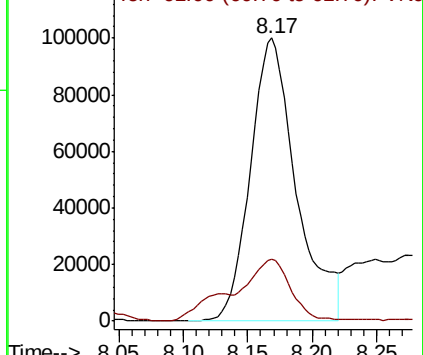
43 100

61 18.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#45

1,4-Dioxane

Concen: 338.52 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

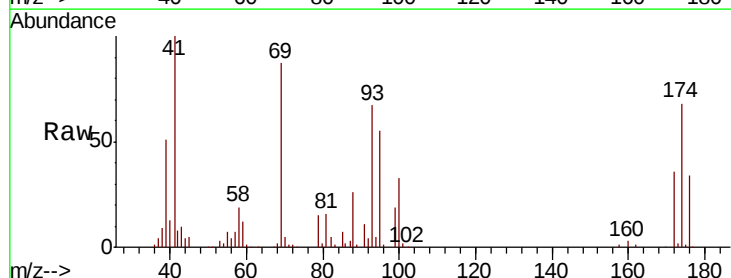
Tgt Ion: 88 Resp: 28269

Ion Ratio Lower Upper

88 100

43 35.7 26.9 40.3

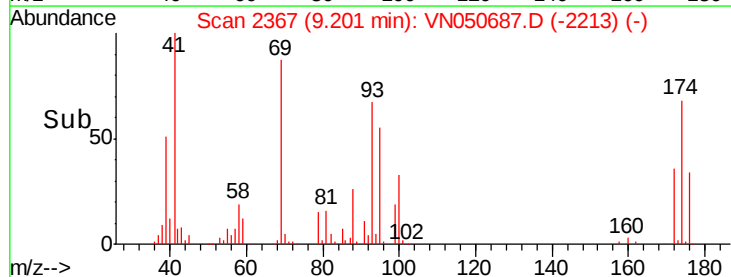
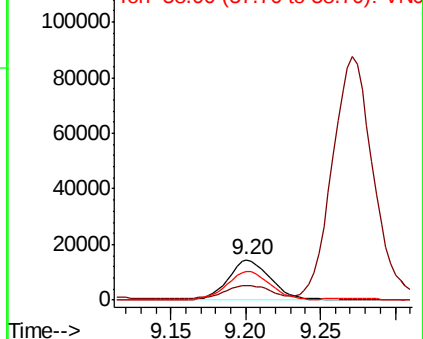
58 73.7 53.6 80.4

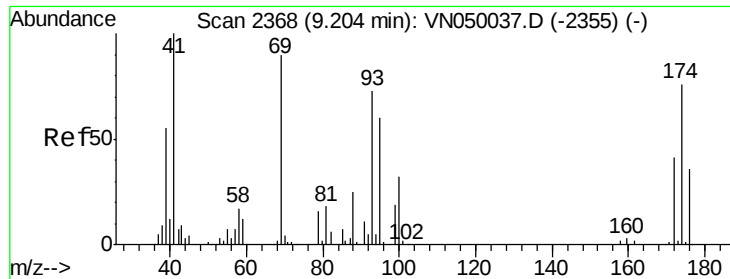


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

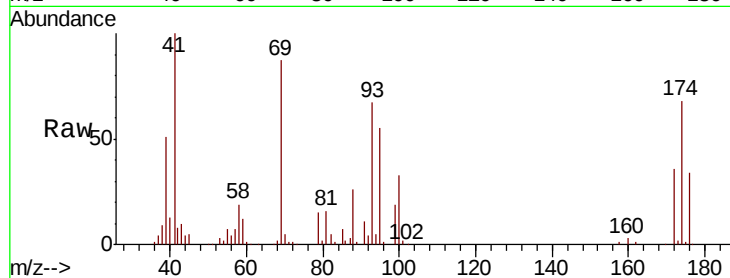




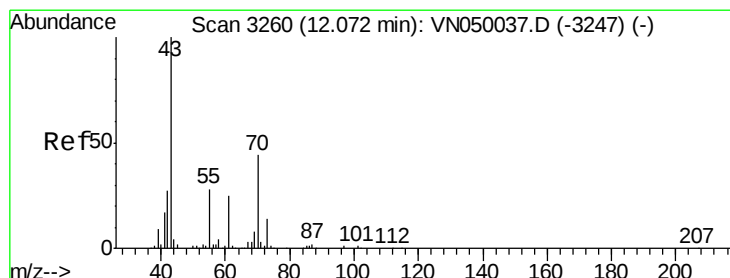
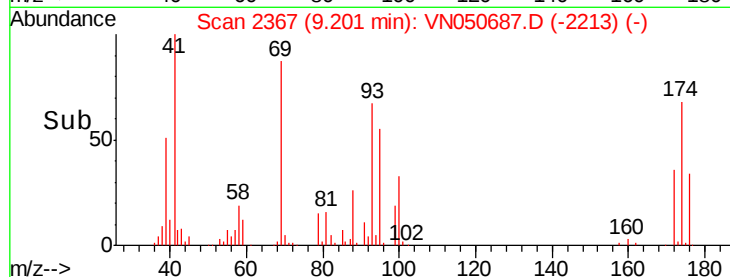
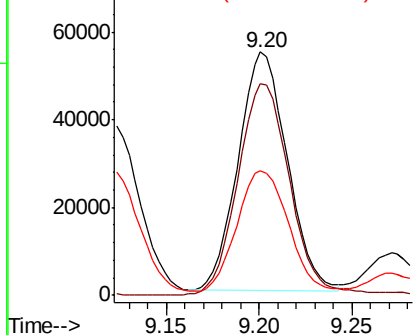
#46
Methyl methacrylate
Concen: 16.28 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 100123
Ion Ratio Lower Upper
41 100
69 88.5 44.0 132.1
39 50.8 27.0 80.8

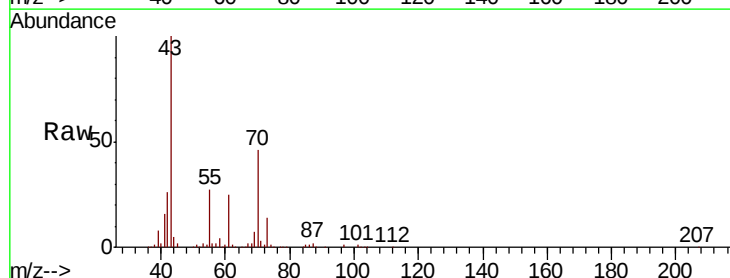


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

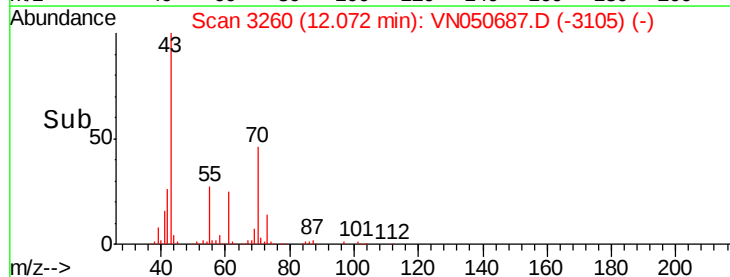
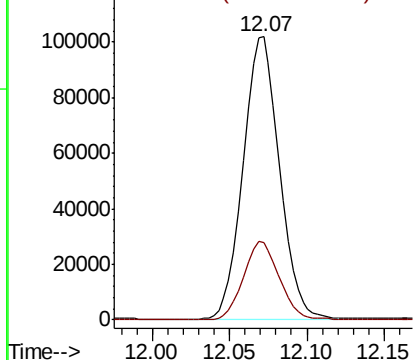


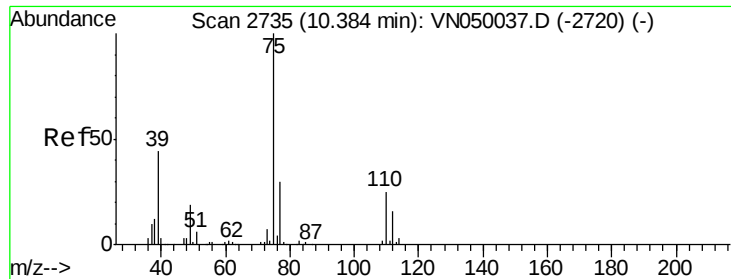
#47
n-ethyl Acetate
Concen: 16.84 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 43 Resp: 166248
Ion Ratio Lower Upper
43 100
55 27.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 17.27 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

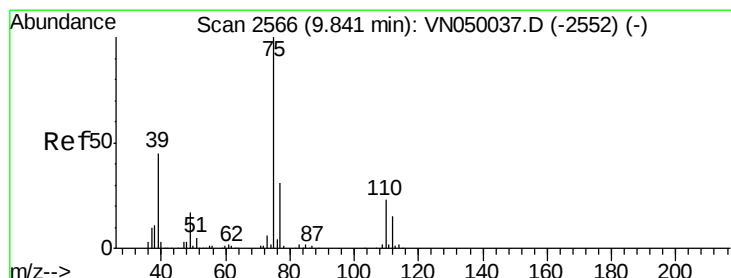
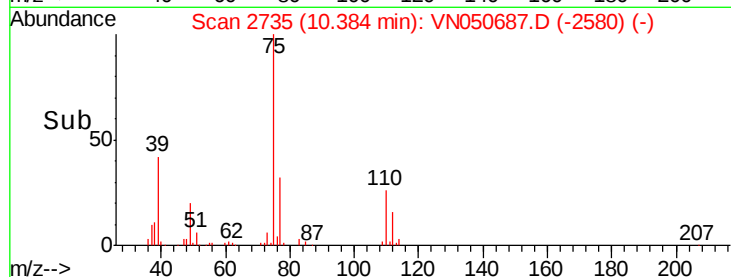
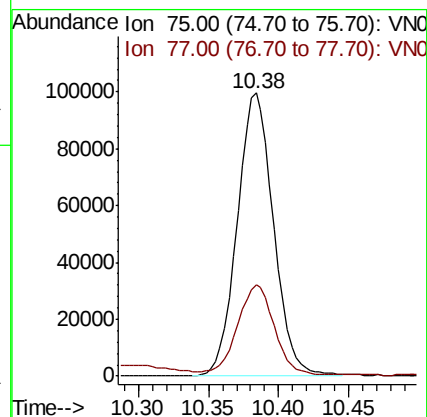
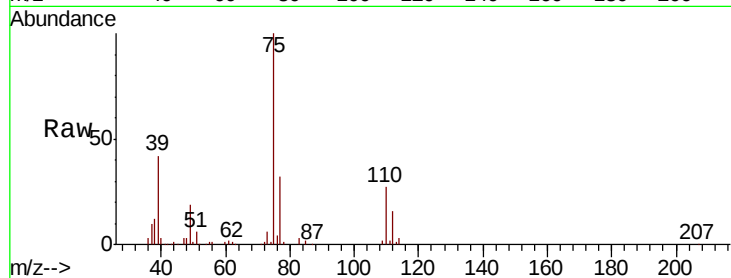
VSTDCCC020EC

Tot Ion: 75 Resp: 179490

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 17.77 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

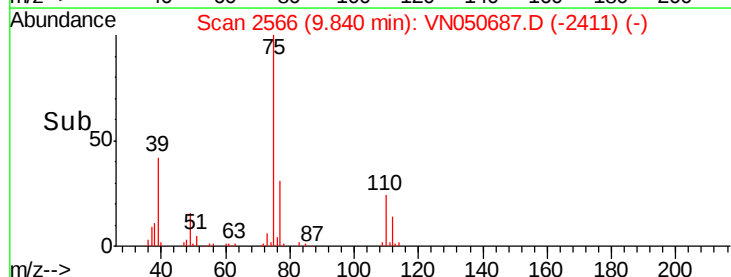
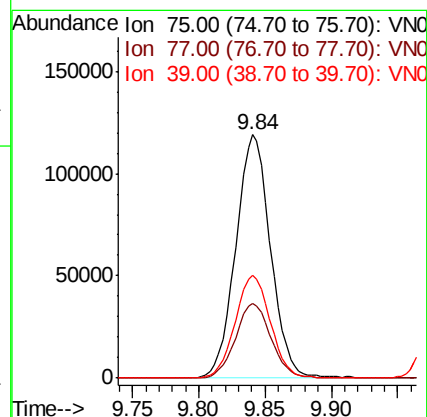
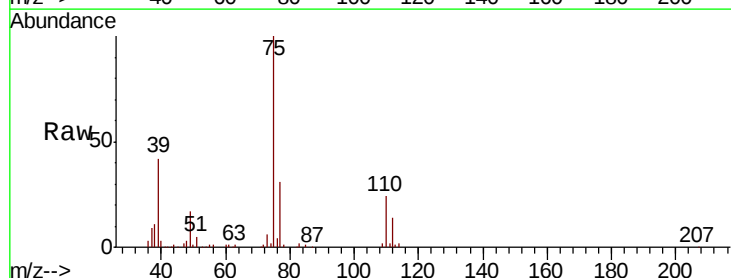
Tgt Ion: 75 Resp: 217009

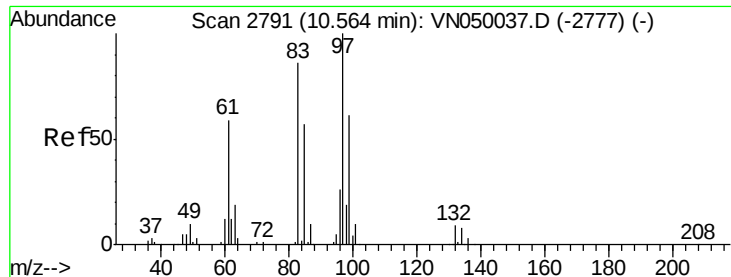
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 41.8 36.3 54.5

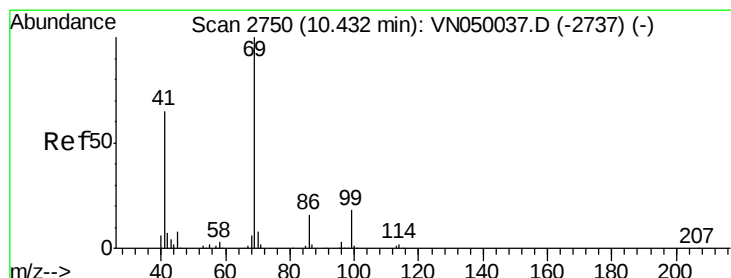
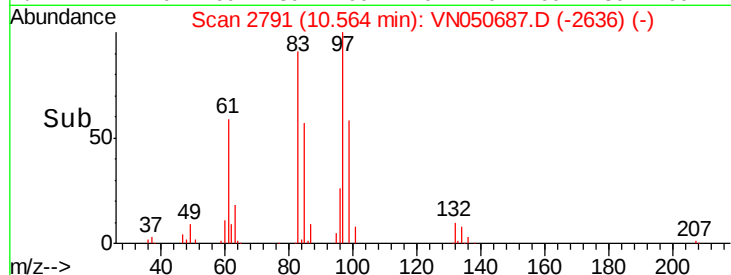
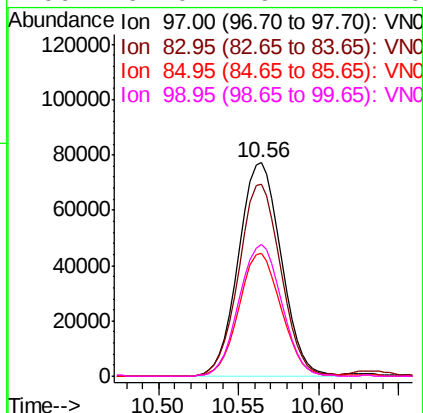
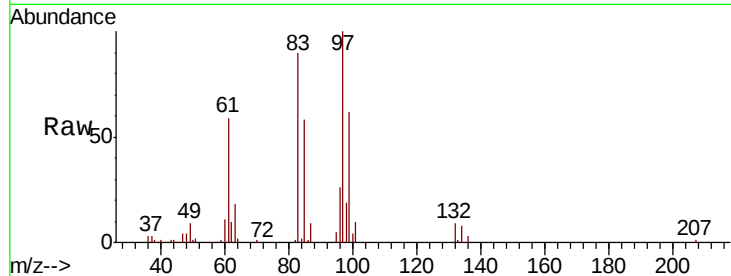




#50
 1,1,2-Trichloroethane
 Concen: 19.02 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

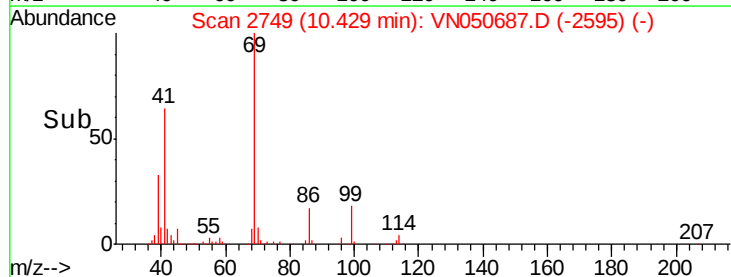
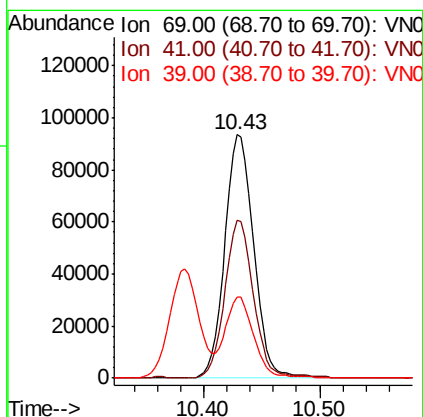
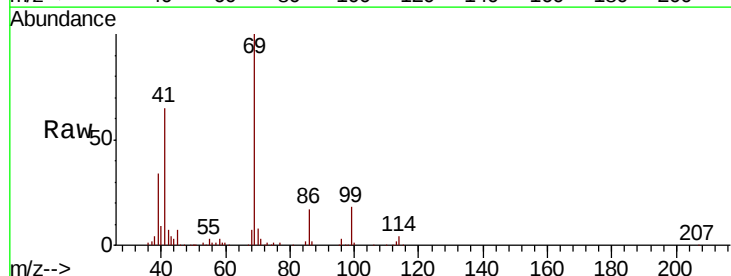
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

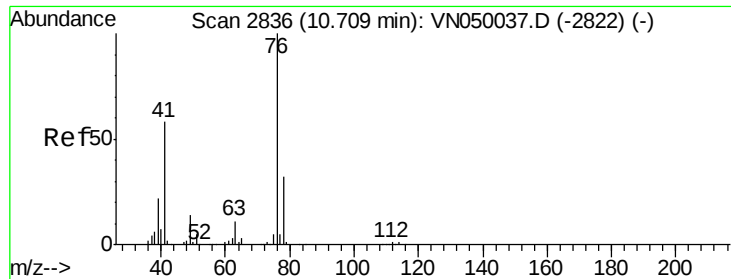
Tot Ion:	97	Resp:	141144
Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.1	102.1
85	57.6	45.4	68.2
99	62.0	49.4	74.0



#51
 Ethyl methacrylate
 Concen: 17.99 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion:	69	Resp:	162055
Ion	Ratio	Lower	Upper
69	100		
41	64.3	31.9	95.9
39	33.1	16.7	50.1





#52

1,3-Dichloropropane

Concen: 18.96 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

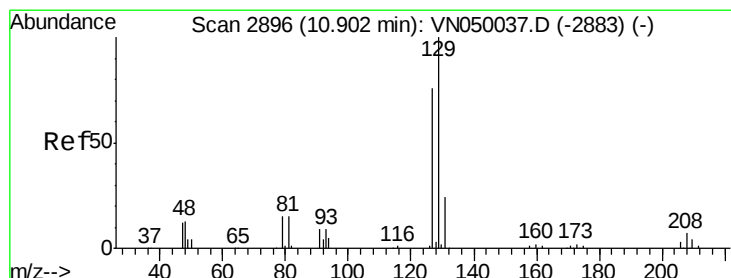
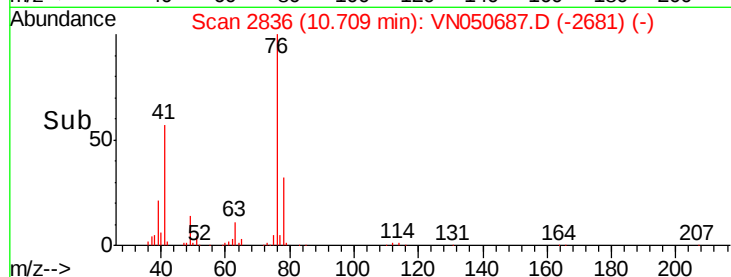
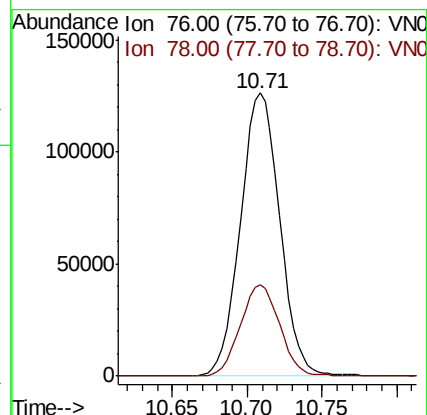
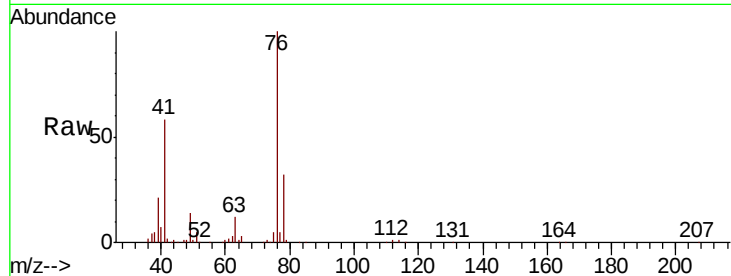
VSTDCCC020EC

Tot Ion: 76 Resp: 231077

Ion Ratio Lower Upper

76 100

78 32.3 0.0 65.6



#53

Dibromochloromethane

Concen: 18.26 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050687.D

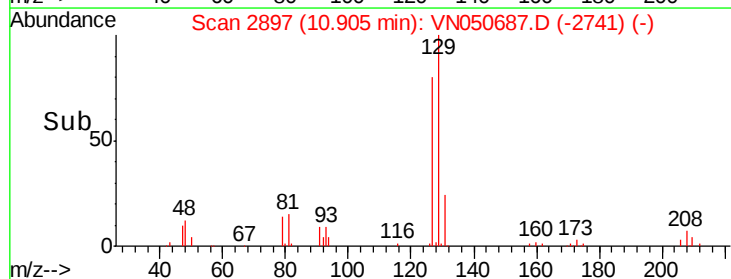
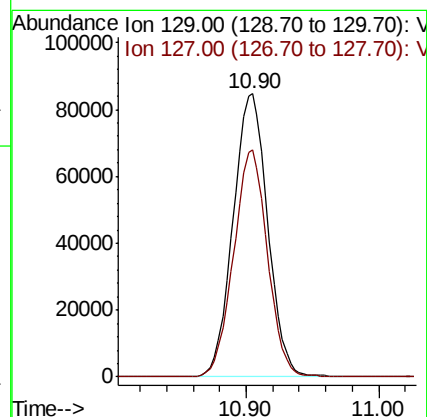
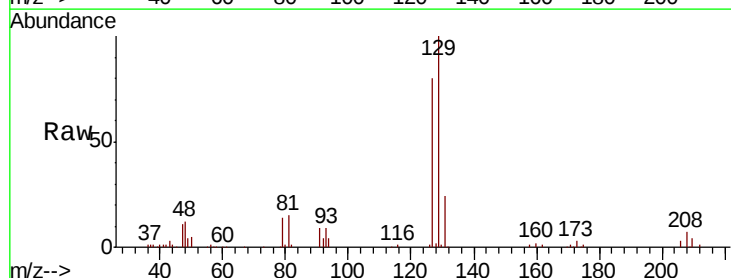
Acq: 16 Aug 2018 5:40

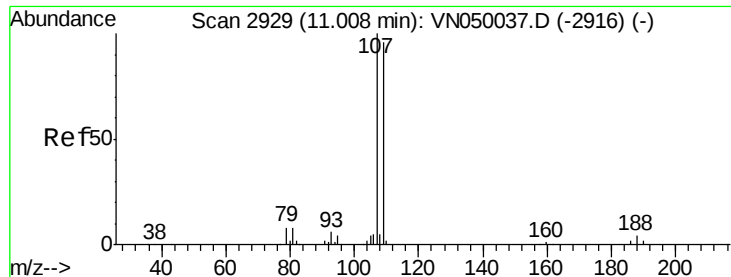
Tgt Ion: 129 Resp: 153795

Ion Ratio Lower Upper

129 100

127 78.3 38.1 114.5

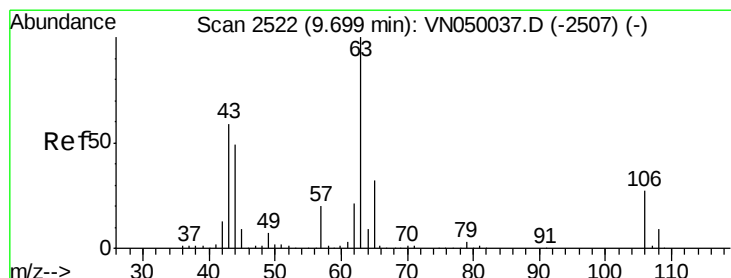
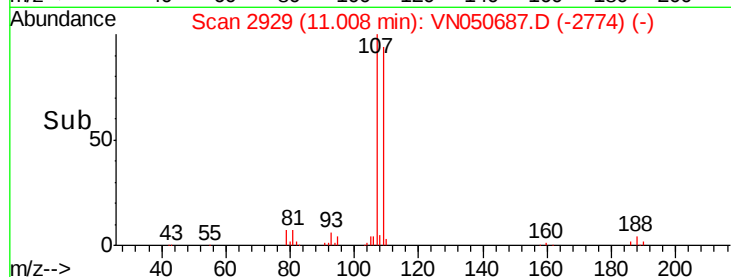
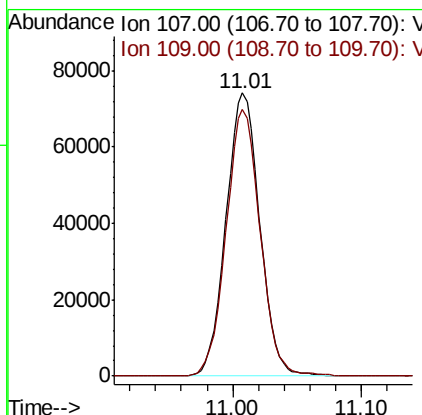
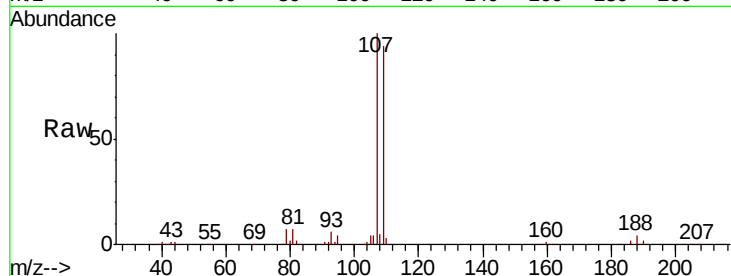




#54
 1,2-Dibromoethane
 Concen: 18.54 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

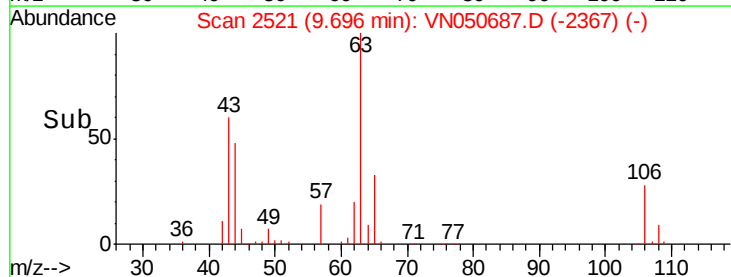
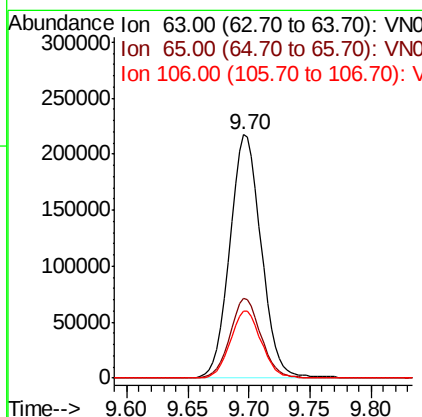
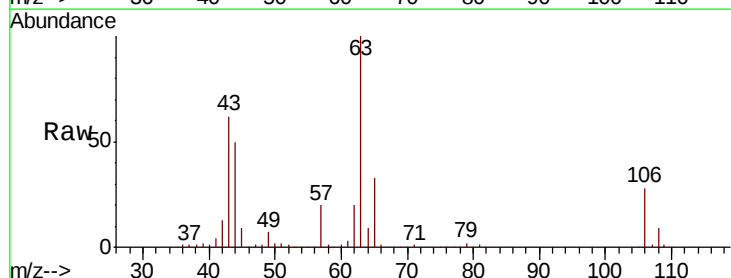
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

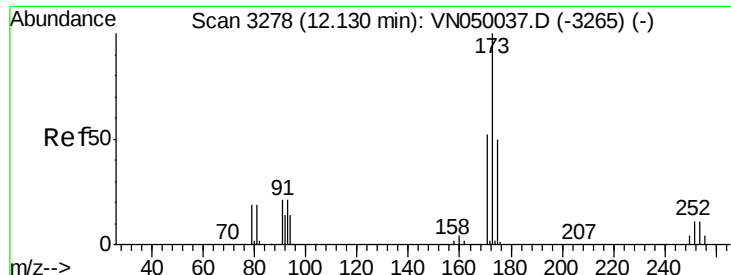
Tot Ion:107 Resp: 134704
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.2



#55
 2-Chloroethyl vinyl ether
 Concen: 95.80 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 63 Resp: 390465
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.5 38.3
 106 27.2 21.8 32.6





#56

Bromoform

Concen: 17.52 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

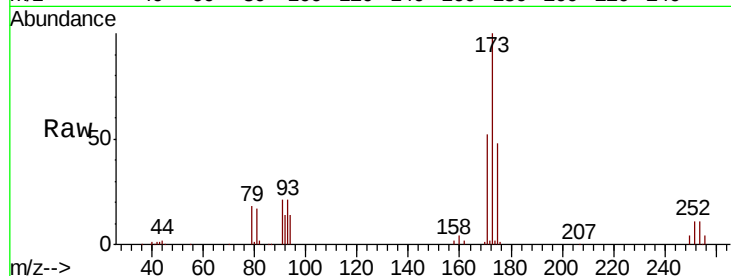
Tot Ion:173 Resp: 104194

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

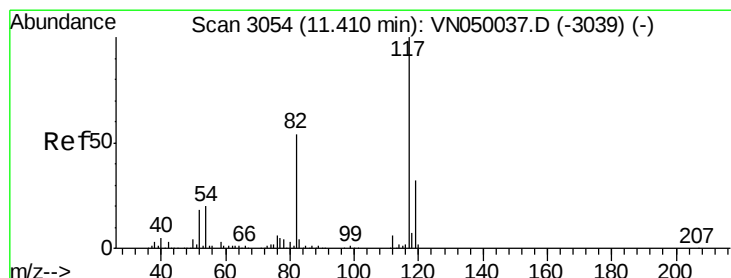
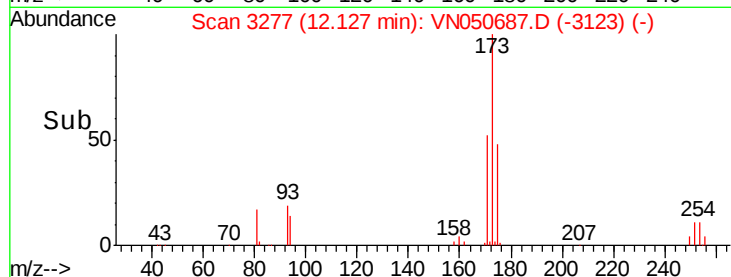
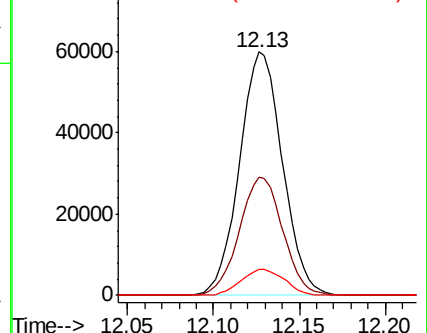
254 10.9 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

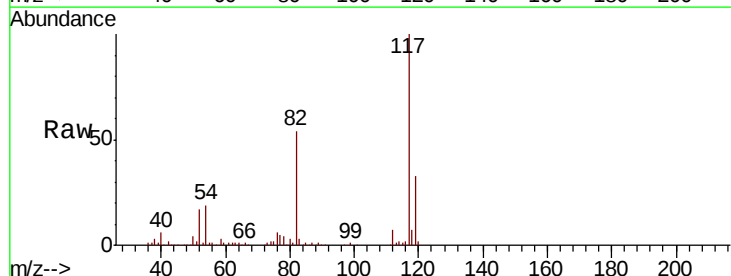
Tgt Ion:117 Resp: 581467

Ion Ratio Lower Upper

117 100

82 53.6 42.4 63.6

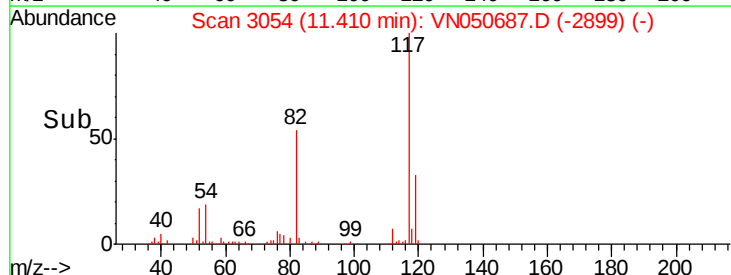
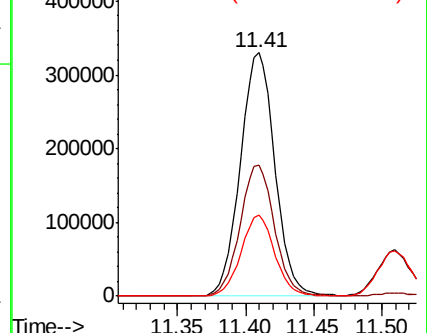
119 32.4 25.4 38.0

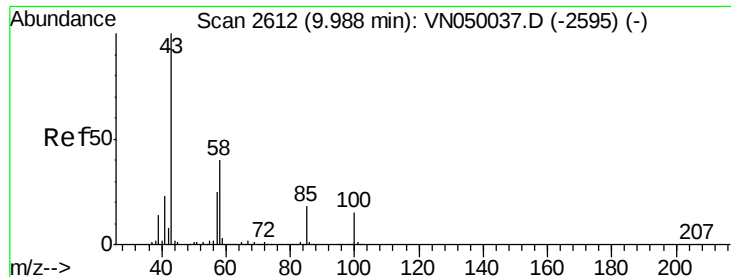


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

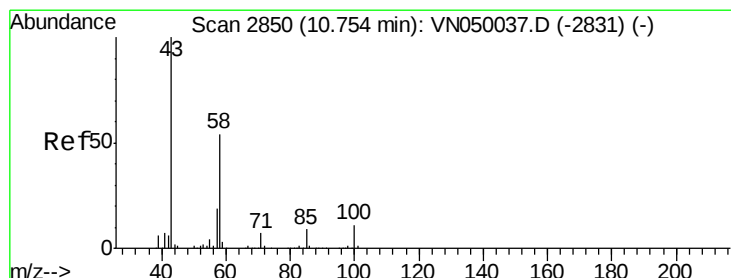
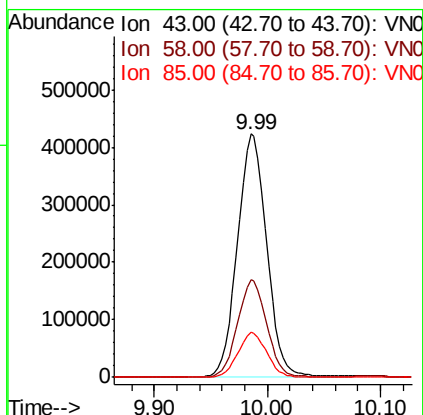
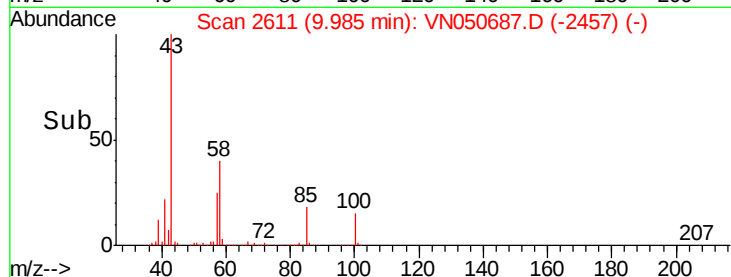
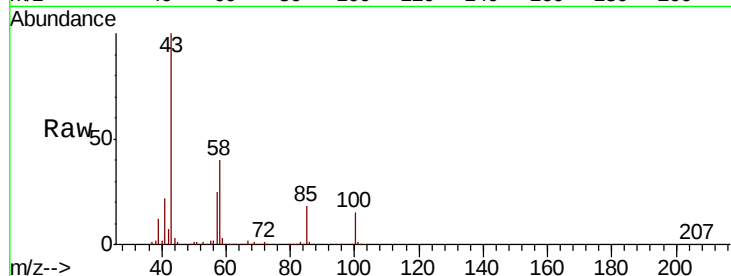




#58
4-Methyl-2-Pentanone
Concen: 112.95 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

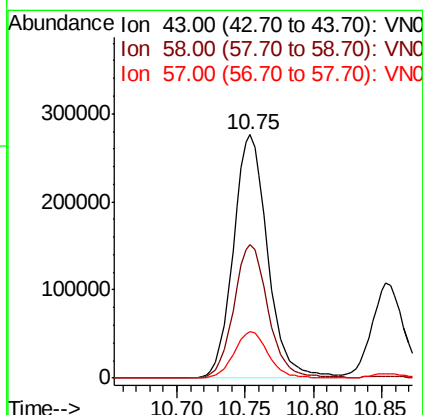
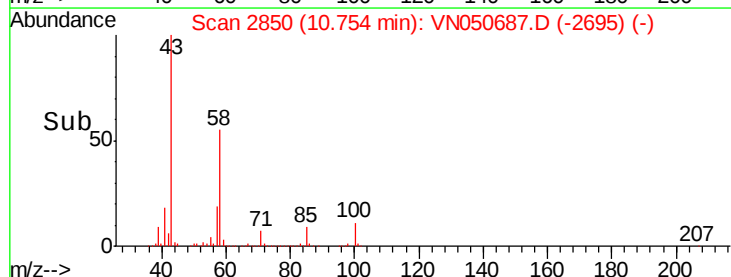
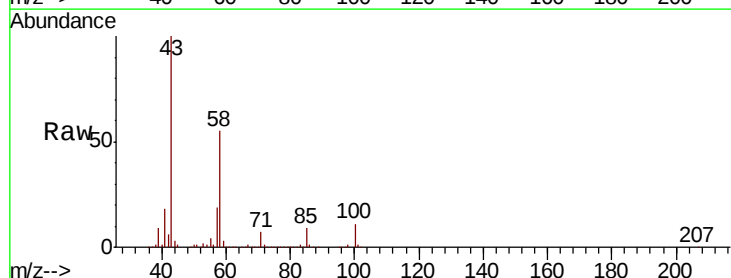
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

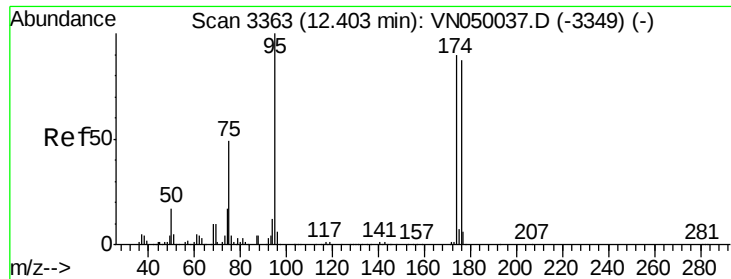
Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.2	46.8
85	18.0	14.4	21.6



#59
2-Hexanone
Concen: 103.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.8
57	19.3	15.1	22.7





#60

4-Bromofluorobenzene

Concen: 29.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

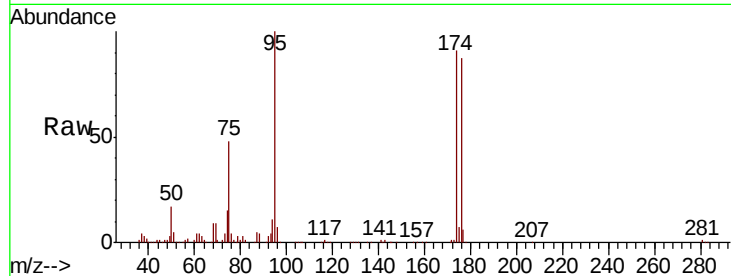
Tot Ion: 95 Resp: 262762

Ion Ratio Lower Upper

95 100

174 89.8 72.3 108.5

176 87.7 70.0 105.0

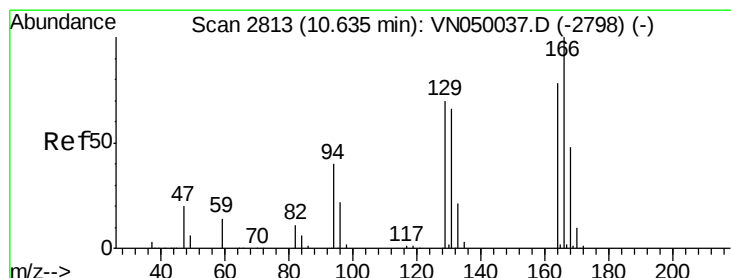
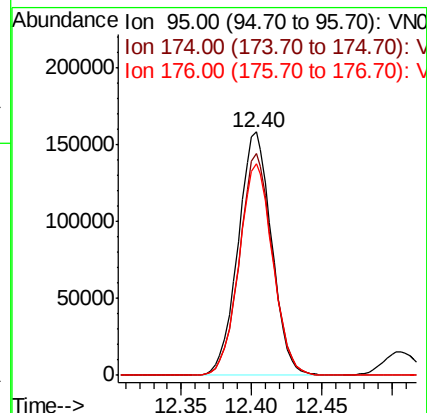
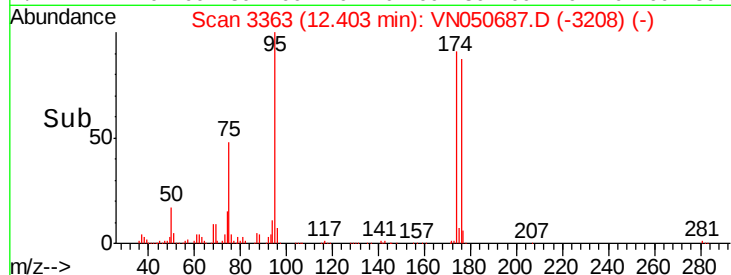


Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)

Time-->



#61

Tetrachloroethene

Concen: 19.88 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion: 164 Resp: 156573

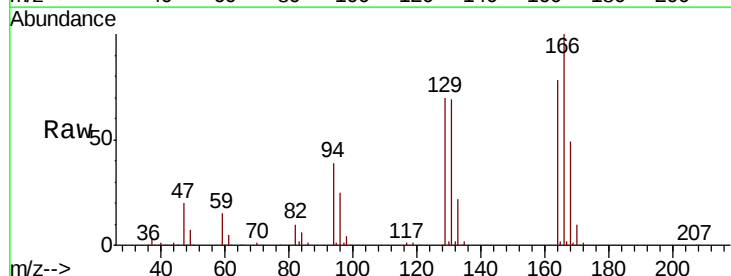
Ion Ratio Lower Upper

164 100

166 129.0 100.0 150.0

129 90.5 69.3 103.9

131 88.5 68.8 103.2



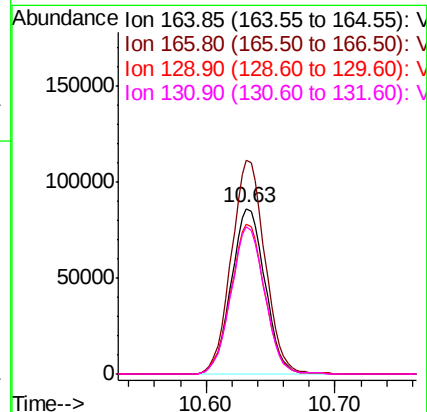
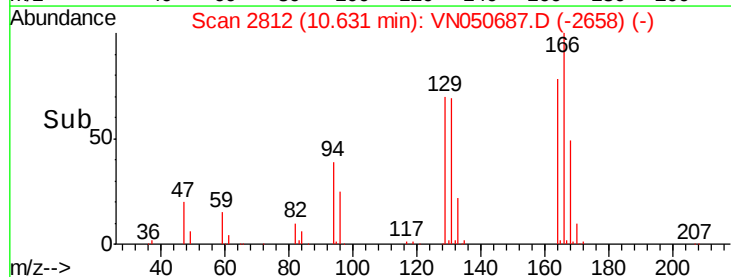
Abundance Ion 163.85 (163.55 to 164.55): VN050037.D (-2798) (-)

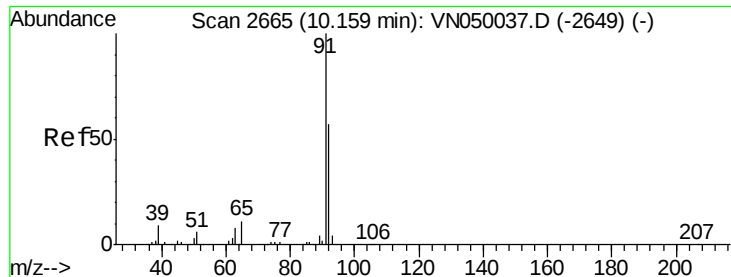
Ion 165.80 (165.50 to 166.50): VN050037.D (-2798) (-)

Ion 128.90 (128.60 to 129.60): VN050037.D (-2798) (-)

Ion 130.90 (130.60 to 131.60): VN050037.D (-2798) (-)

Time-->





#62

Toluene

Concen: 20.34 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

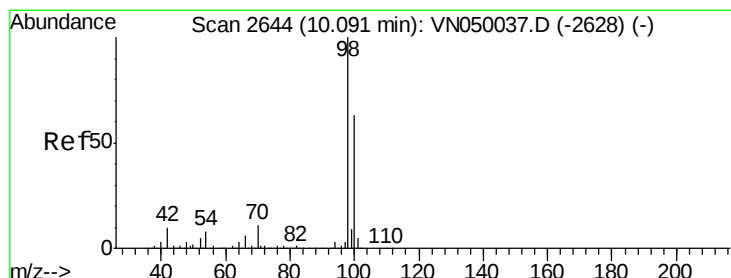
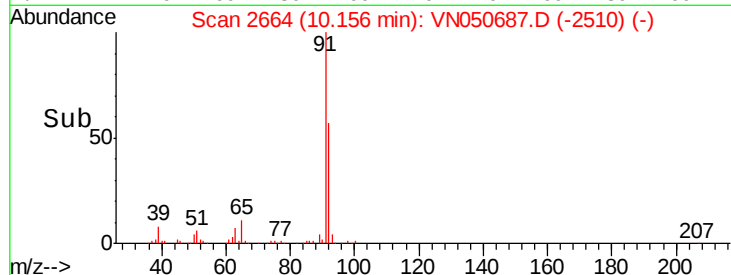
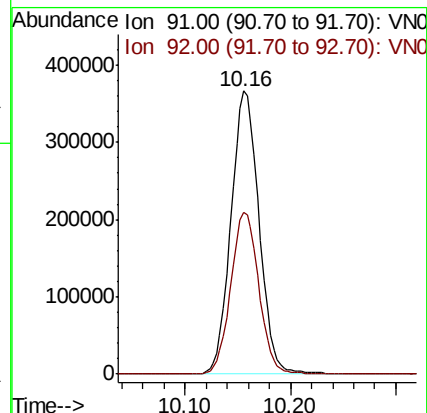
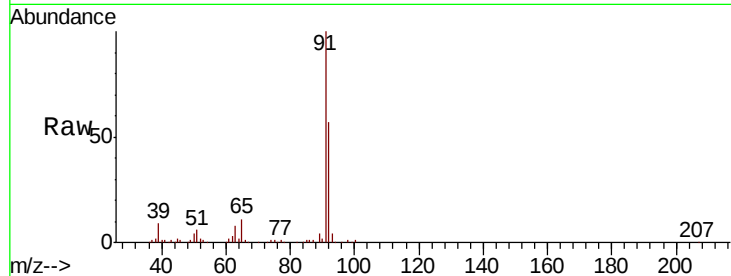
VSTDCCC020EC

Tot Ion: 91 Resp: 674829

Ion Ratio Lower Upper

91 100

92 57.4 45.7 68.5



#63

Toluene-d8

Concen: 30.56 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050687.D

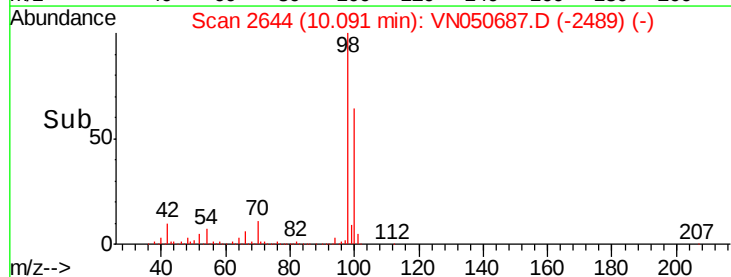
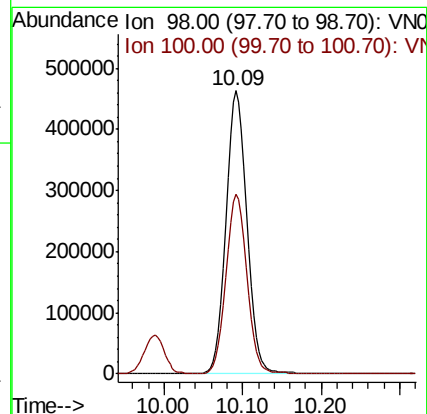
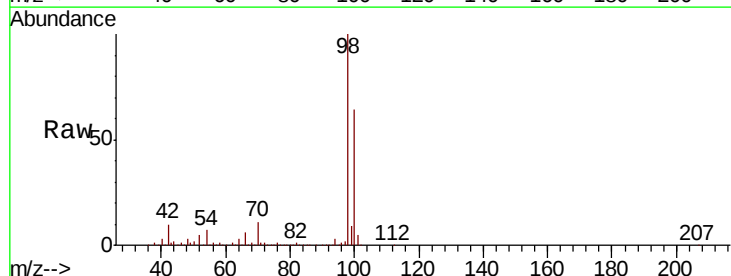
Acq: 16 Aug 2018 5:40

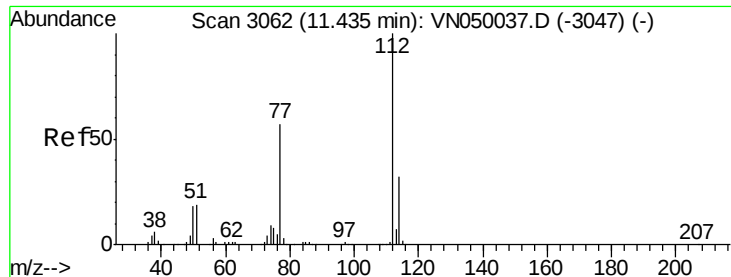
Tgt Ion: 98 Resp: 848737

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8

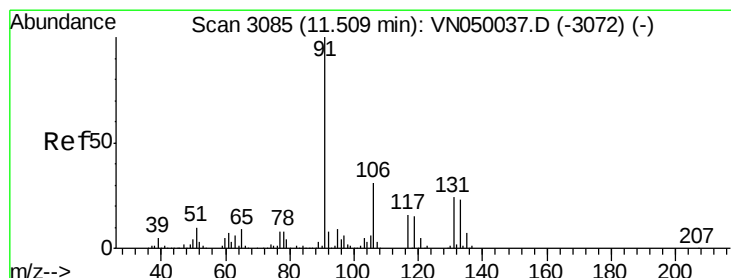
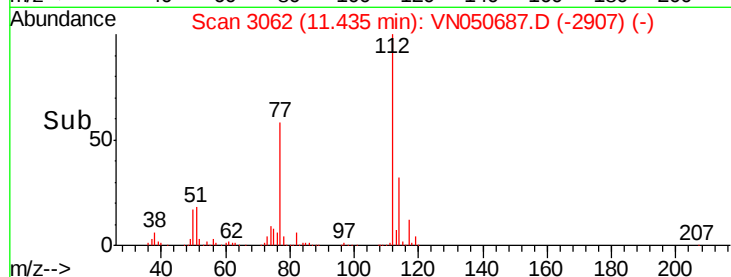
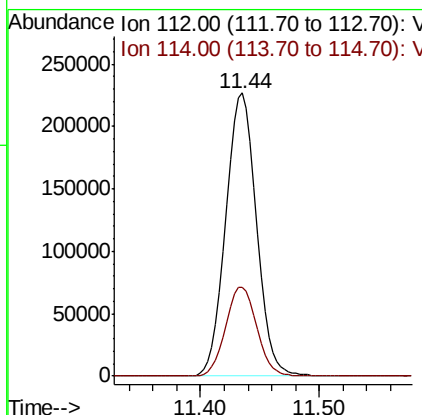
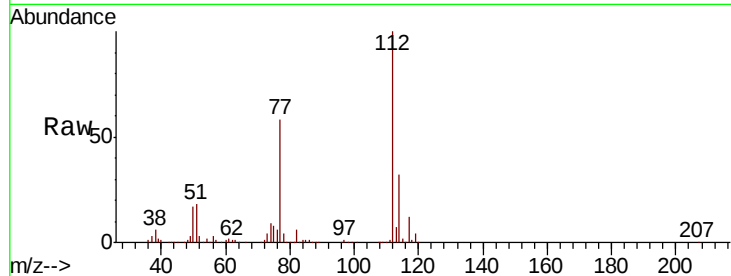




#64
Chlorobenzene
Concen: 20.20 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

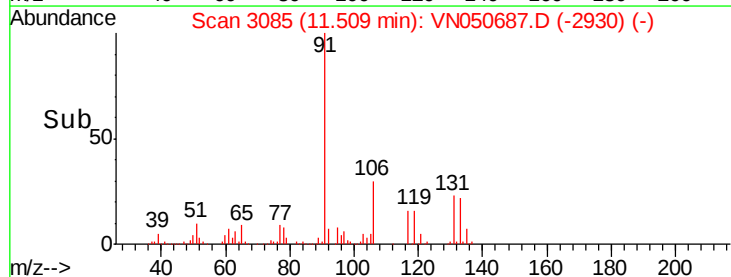
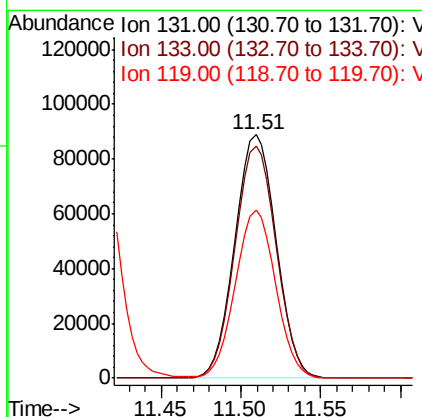
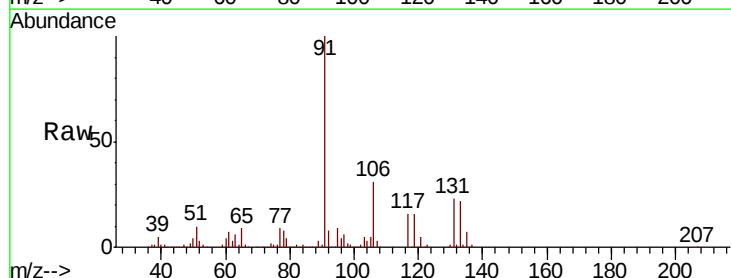
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

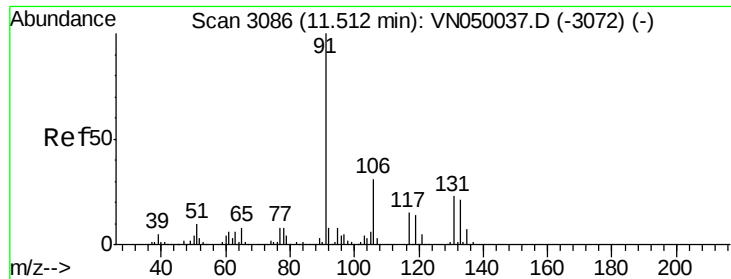
Tot Ion:112 Resp: 406317
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2



#65
1,1,1,2-Tetrachloroethane
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion:131 Resp: 156590
Ion Ratio Lower Upper
131 100
133 95.5 0.0 190.0
119 67.4 0.0 131.6





#66

Ethyl Benzene

Concen: 19.79 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

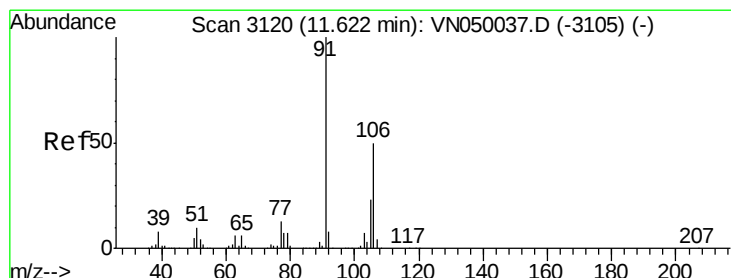
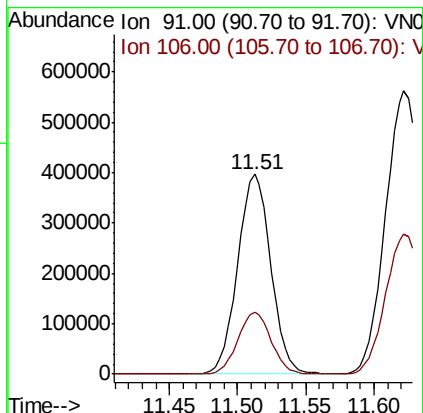
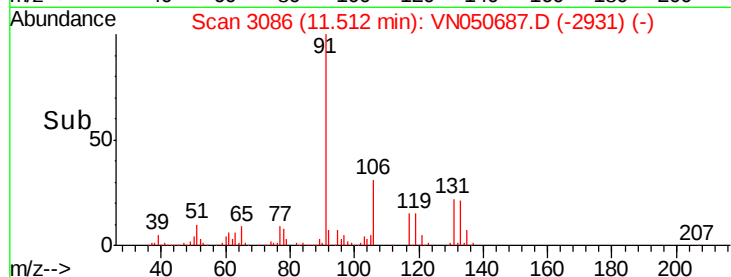
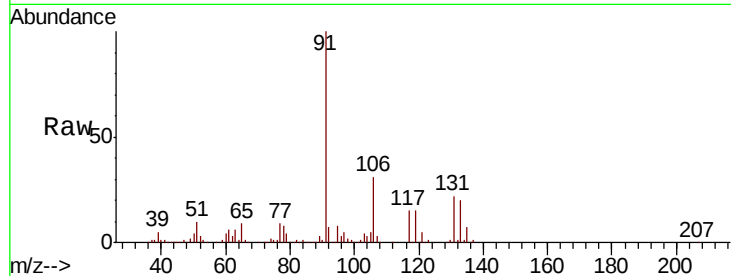
VSTDCCC020EC

Tot Ion: 91 Resp: 670783

Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



#67

m/p-Xylenes

Concen: 40.62 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050687.D

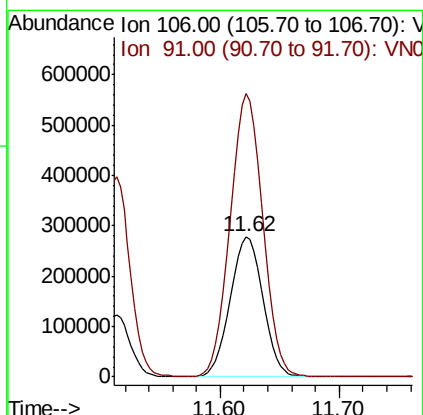
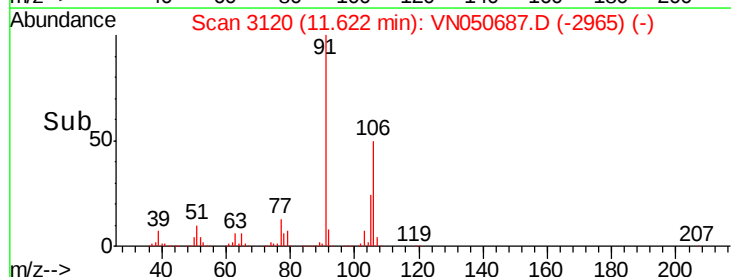
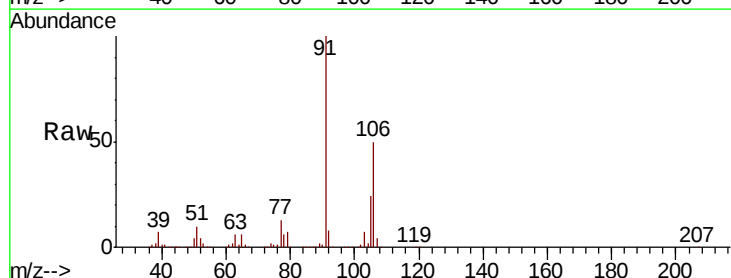
Acq: 16 Aug 2018 5:40

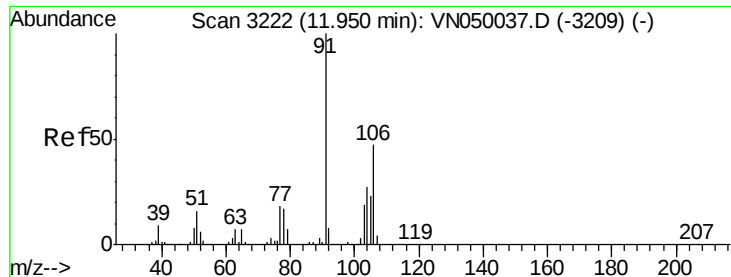
Tgt Ion: 106 Resp: 529969

Ion Ratio Lower Upper

106 100

91 201.8 162.5 243.7

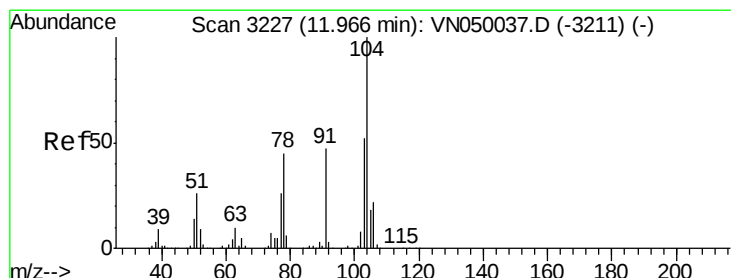
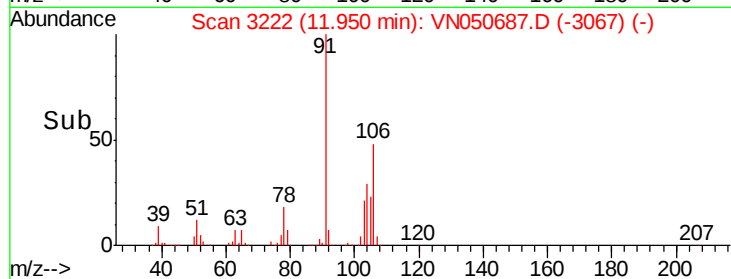
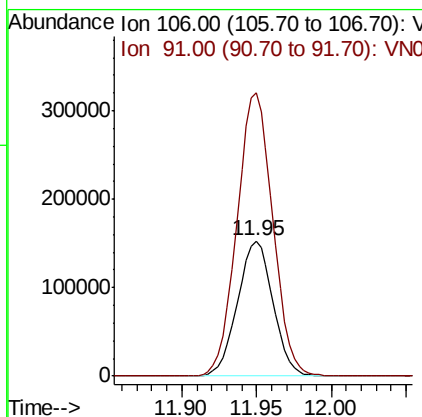
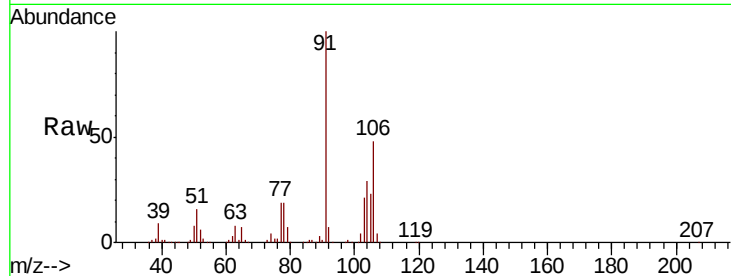




#68
o-Xylene
Concen: 20.35 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

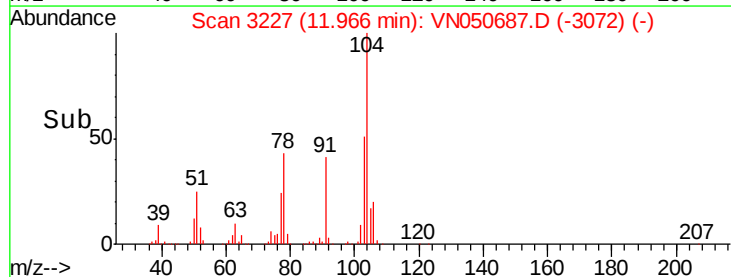
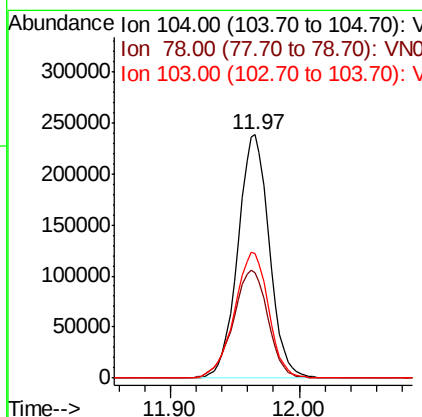
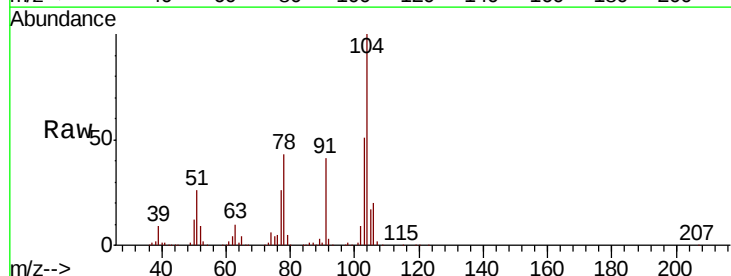
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

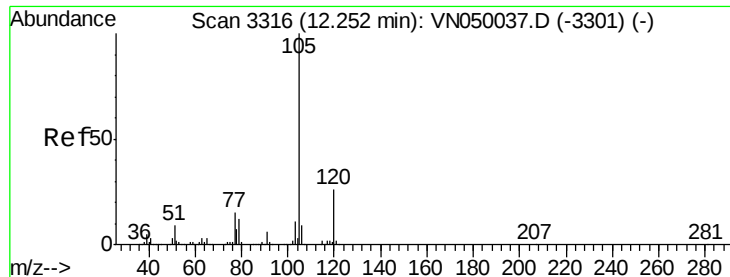
Tot Ion:106 Resp: 252593
Ion Ratio Lower Upper
106 100
91 211.7 106.8 320.4



#69
Styrene
Concen: 20.28 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion:104 Resp: 403542
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 56.1 44.5 66.7





#70

Isopropylbenzene

Concen: 20.13 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

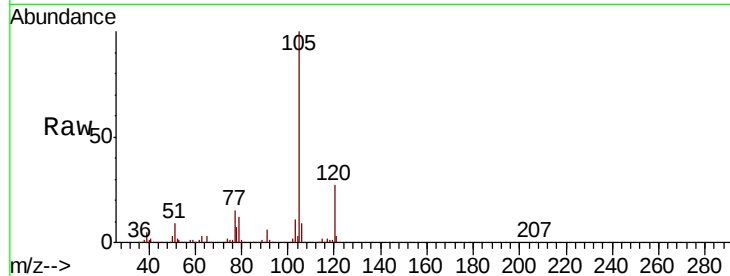
VSTDCCC020EC

Tot Ion:105 Resp: 665655

Ion Ratio Lower Upper

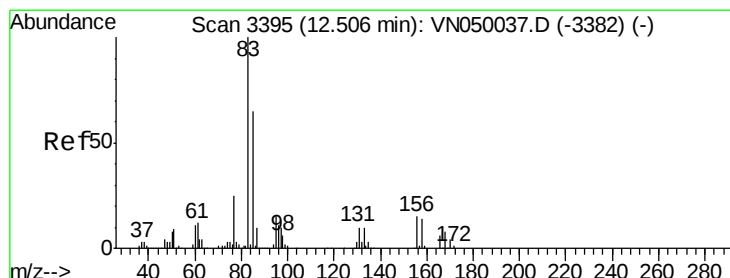
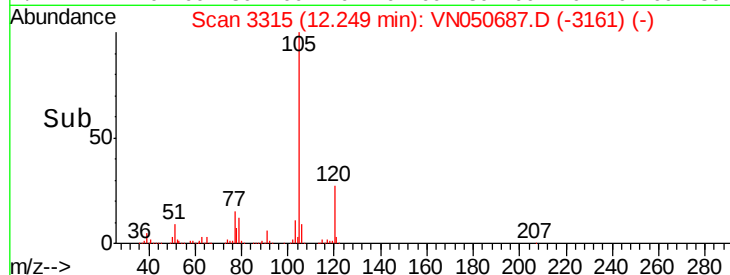
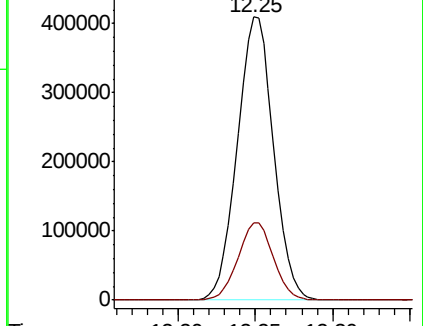
105 100

120 27.0 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

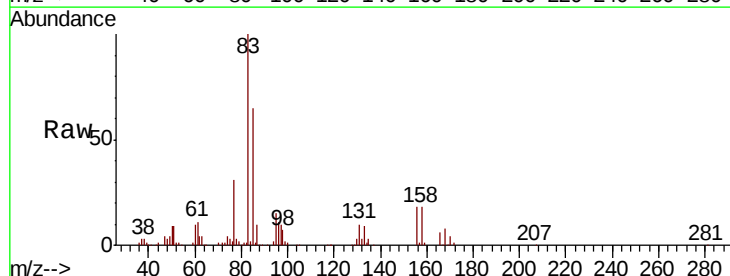
Tgt Ion: 83 Resp: 170292

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

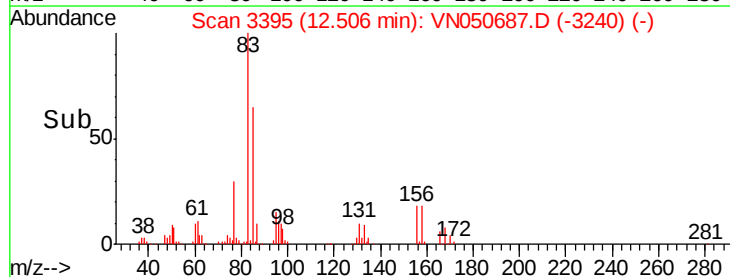
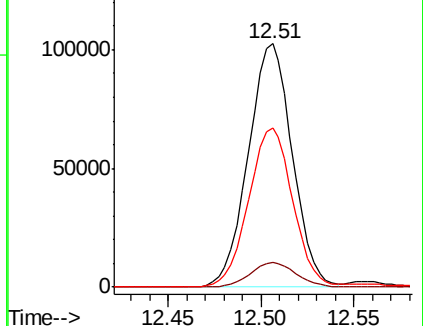
85 65.2 31.7 95.1

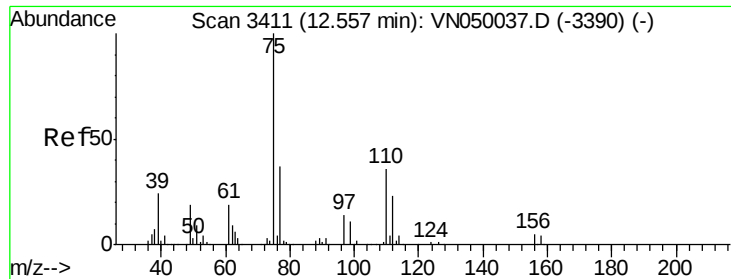


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 24.64 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

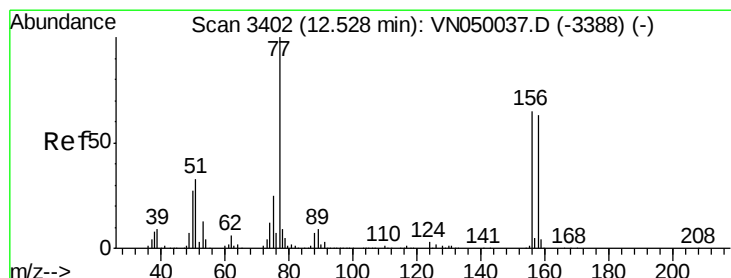
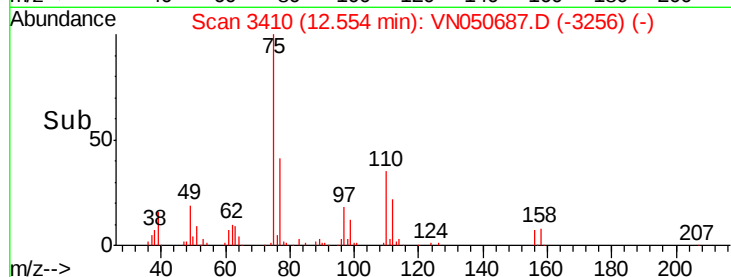
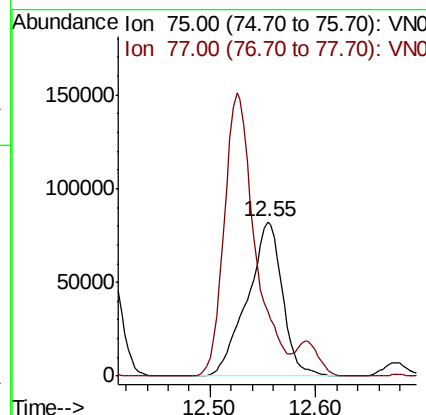
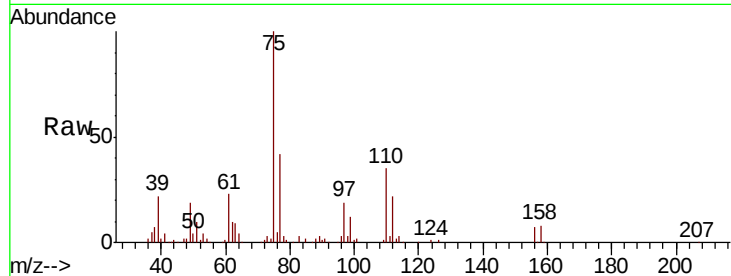
VSTDCCC020EC

Tot Ion: 75 Resp: 191006

Ion Ratio Lower Upper

75 100

77 160.6 0.0 454.4



#73

Bromobenzene

Concen: 19.37 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

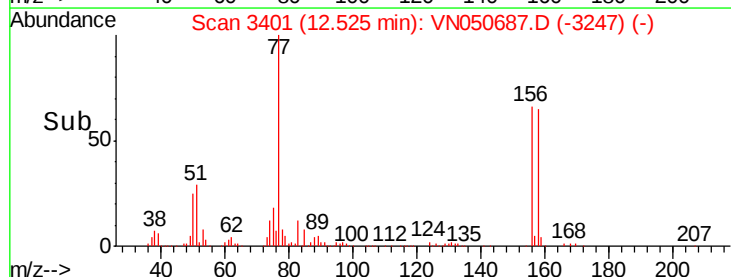
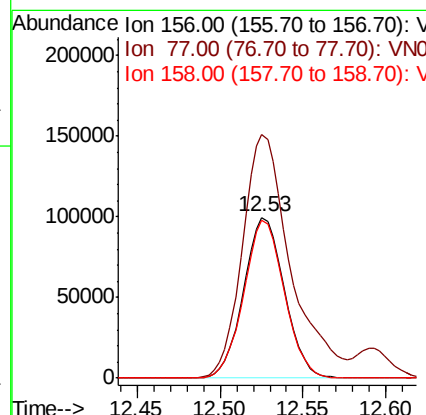
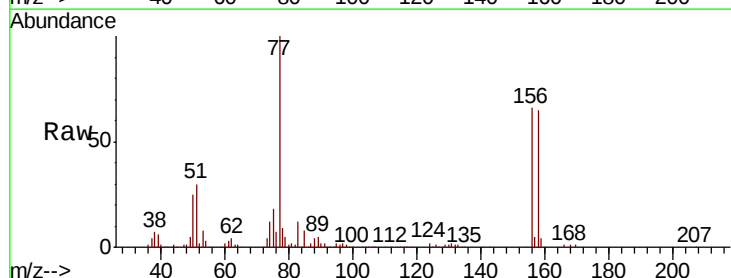
Tgt Ion: 156 Resp: 170625

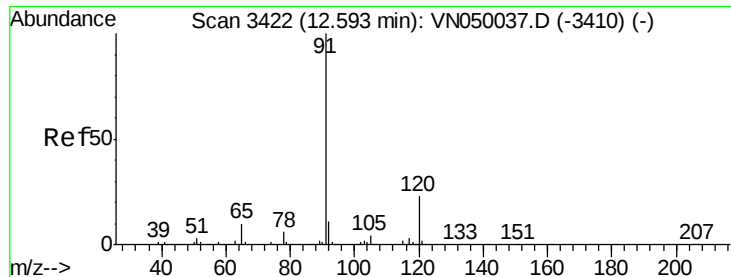
Ion Ratio Lower Upper

156 100

77 179.8 0.0 359.8

158 97.4 0.0 192.8





#74

n-propylbenzene

Concen: 19.23 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

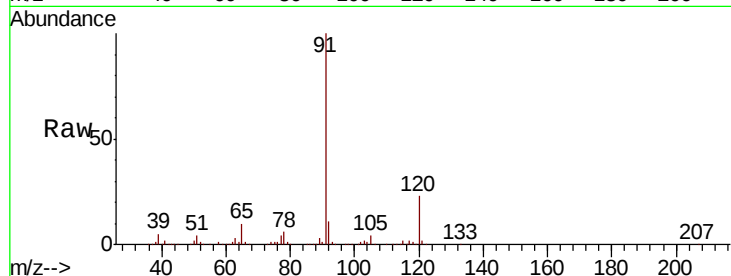
VSTDCCC020EC

Tot Ion: 91 Resp: 740629

Ion Ratio Lower Upper

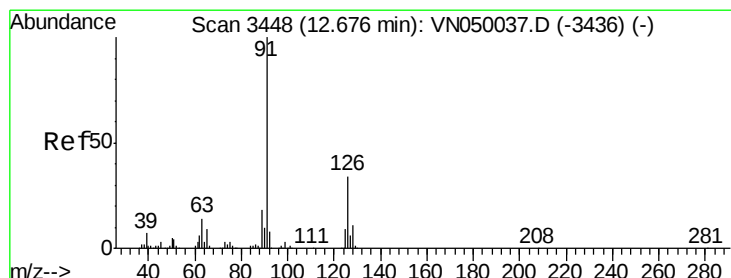
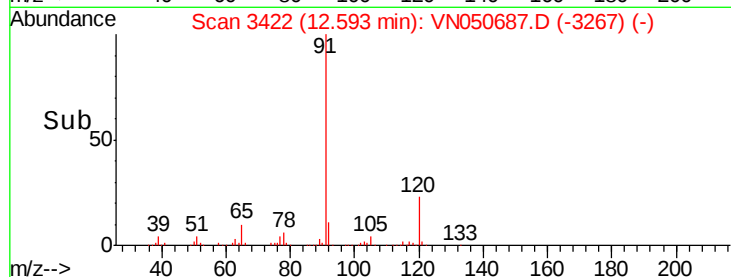
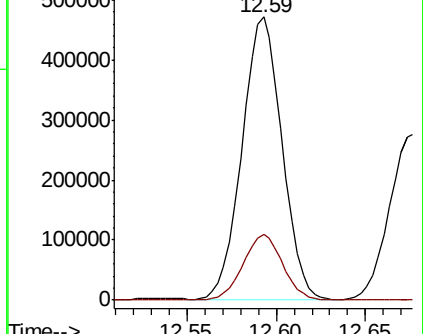
91 100

120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 19.79 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050687.D

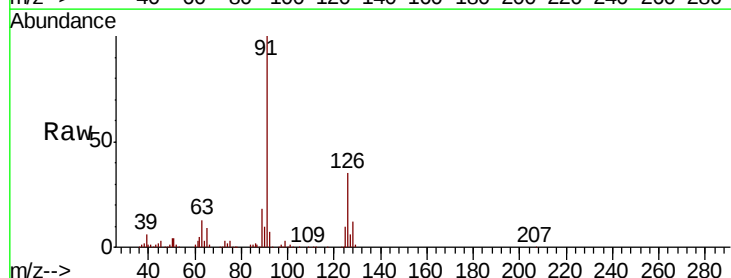
Acq: 16 Aug 2018 5:40

Tgt Ion: 91 Resp: 457567

Ion Ratio Lower Upper

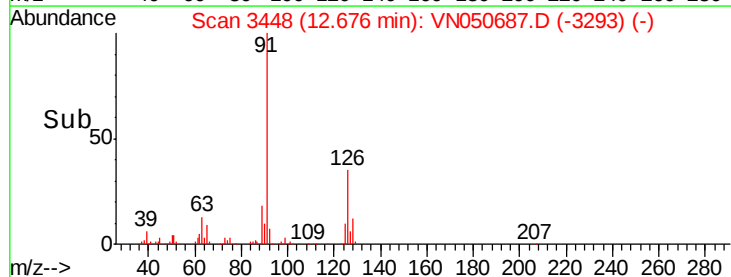
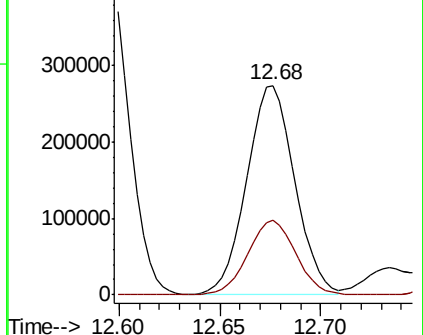
91 100

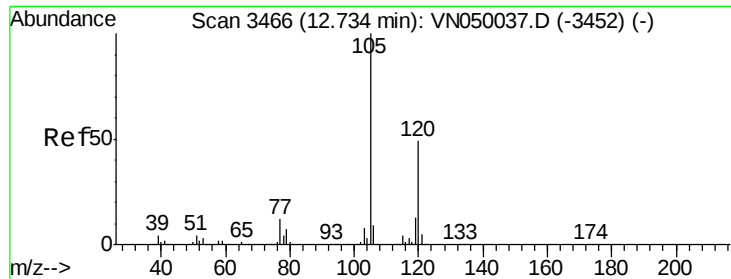
126 35.6 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

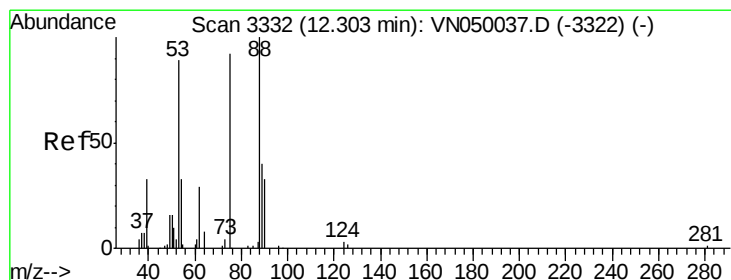
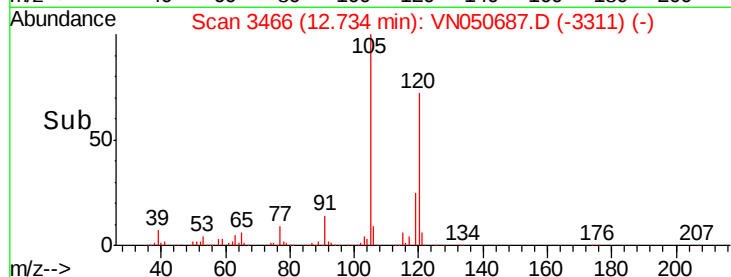
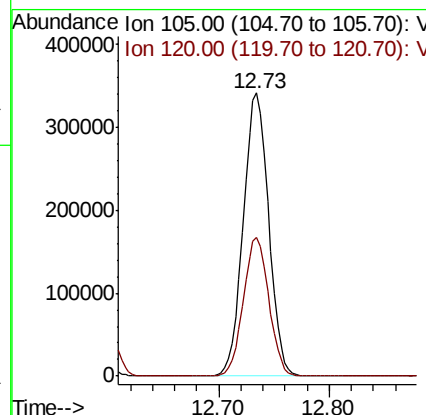
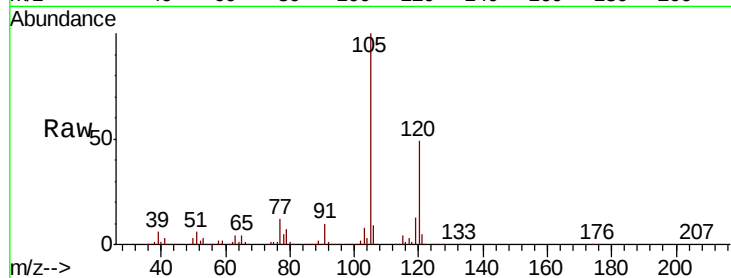




#76
 1,3,5-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

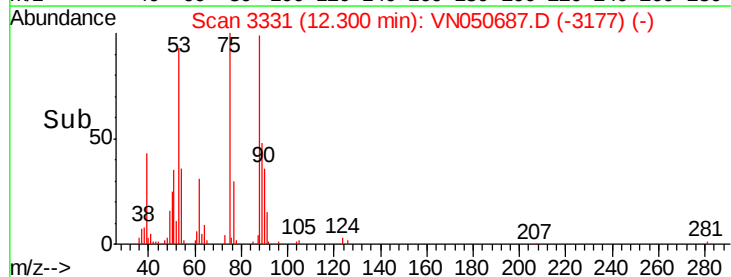
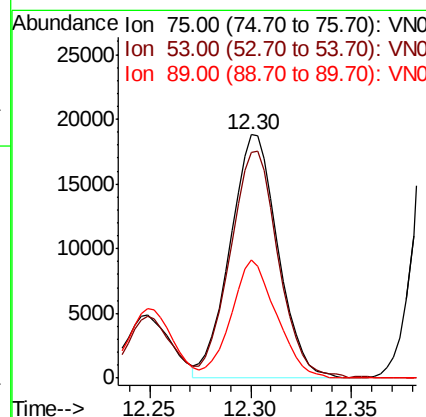
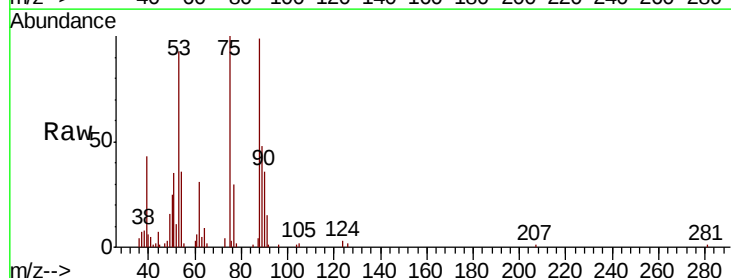
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

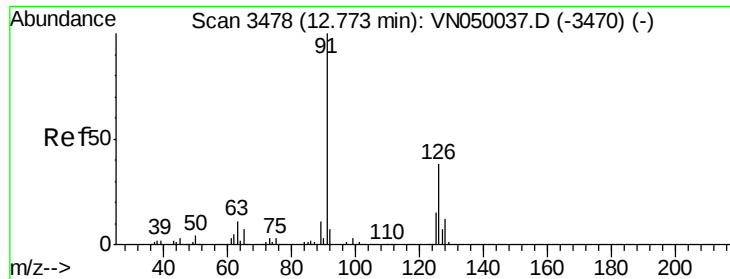
Tot Ion:105 Resp: 543734
 Ion Ratio Lower Upper
 105 100
 120 49.0 0.0 98.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 12.32 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 75 Resp: 31231
 Ion Ratio Lower Upper
 75 100
 53 91.5 44.6 134.0
 89 48.5 20.7 62.1

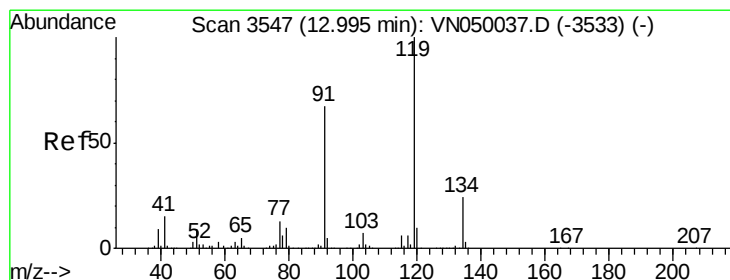
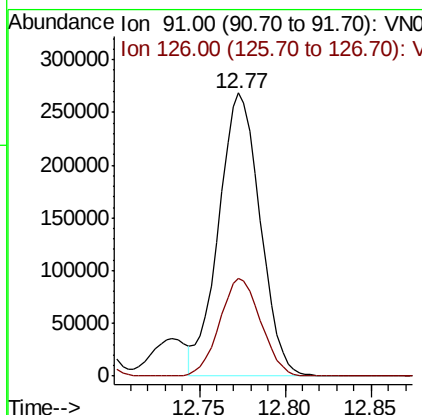
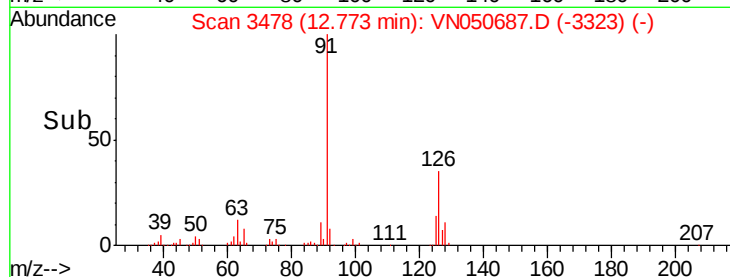
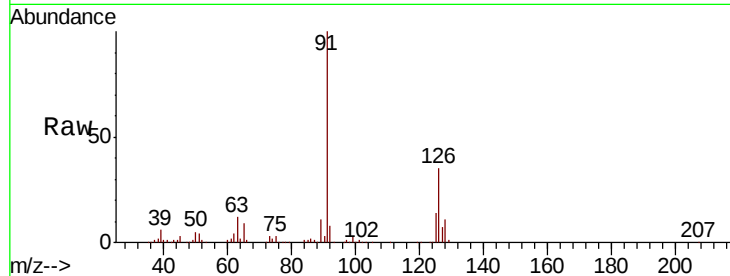




#78
4-Chlorotoluene
Concen: 19.67 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

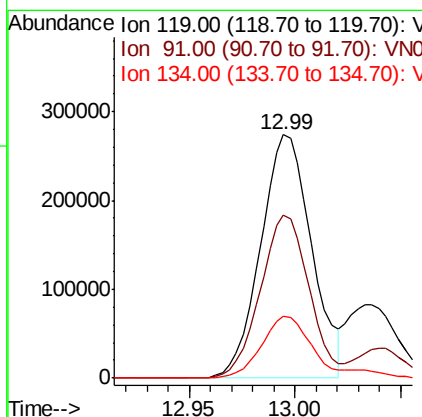
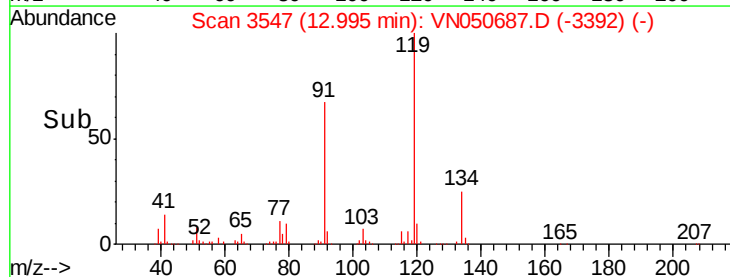
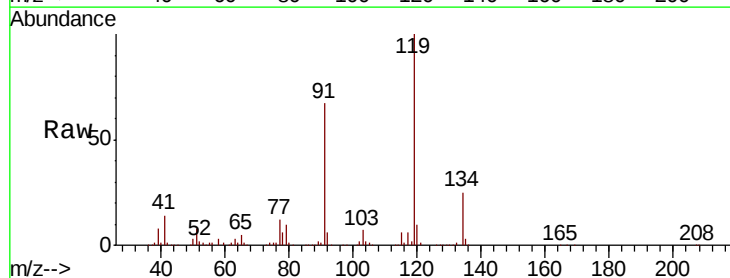
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

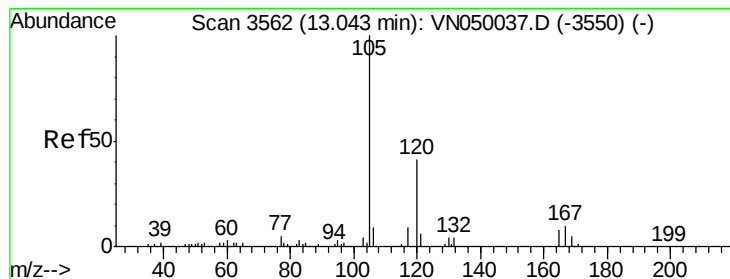
Tot Ion: 91 Resp: 450887
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.4



#79
tert-butylbenzene
Concen: 19.81 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 119 Resp: 459898
Ion Ratio Lower Upper
119 100
91 64.4 0.0 126.8
134 24.6 0.0 47.4





#80

1,2,4-Trimethylbenzene

Concen: 20.11 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

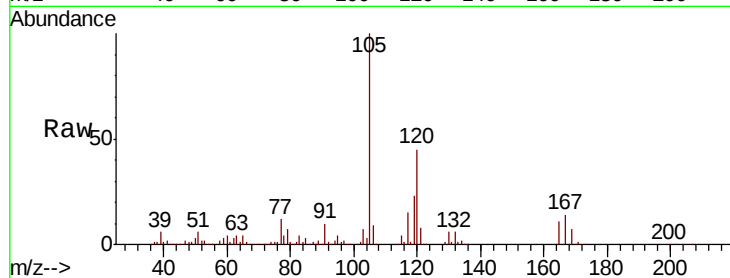
VSTDCCC020EC

Tot Ion:105 Resp: 553210

Ion Ratio Lower Upper

105 100

120 45.4 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

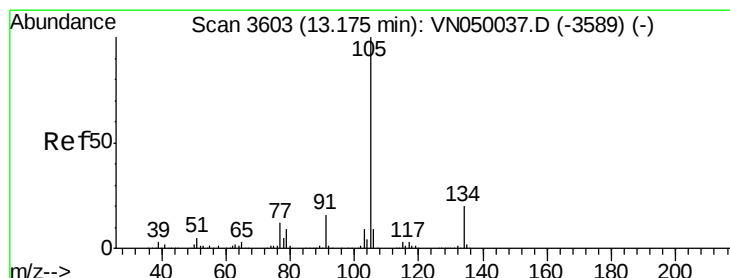
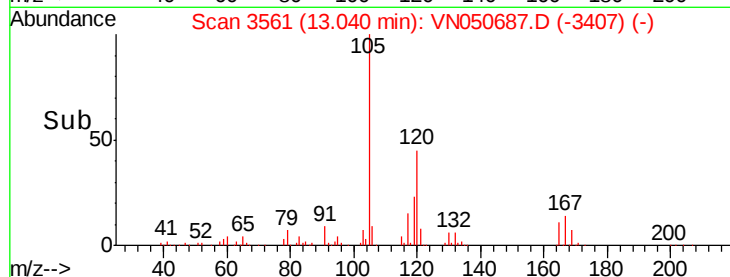
300000

200000

100000

0

Time-->



#81

sec-Butylbenzene

Concen: 19.16 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050687.D

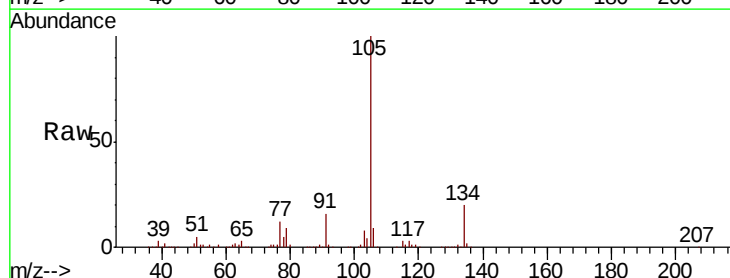
Acq: 16 Aug 2018 5:40

Tgt Ion:105 Resp: 604178

Ion Ratio Lower Upper

105 100

134 20.2 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

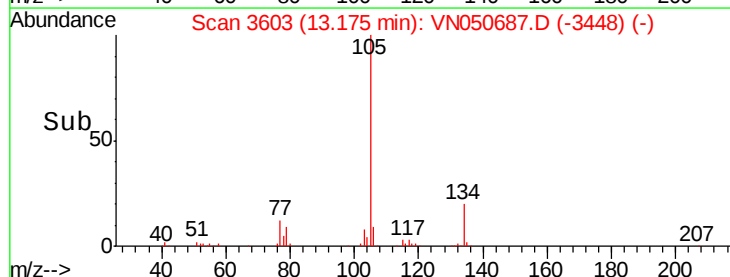
300000

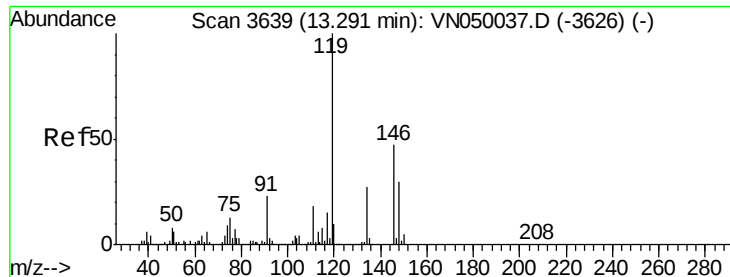
200000

100000

0

Time-->

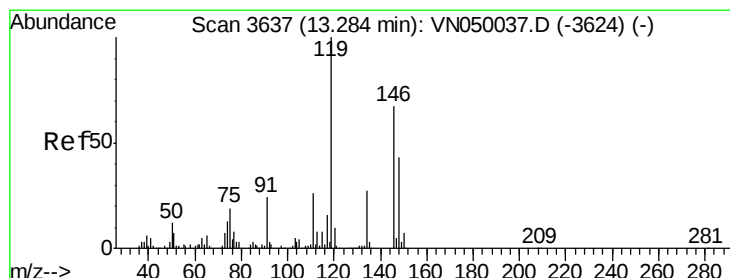
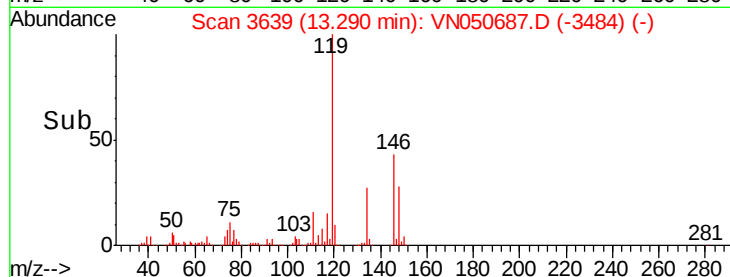
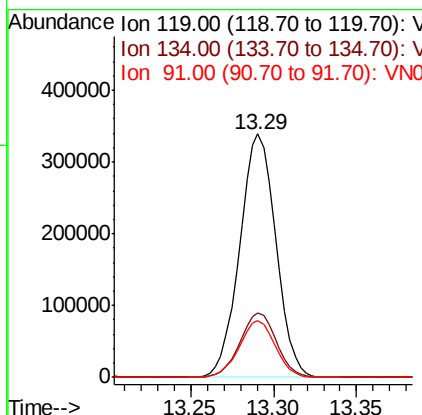
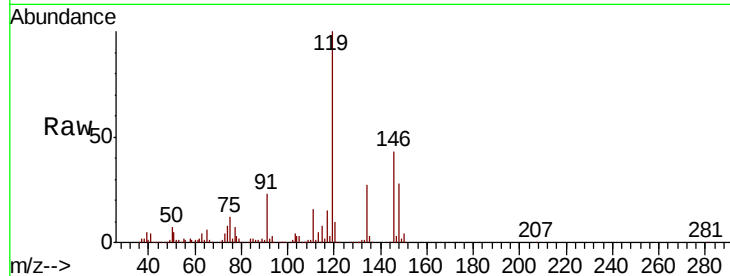




#82
p-Isopropyltoluene
Concen: 19.07 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

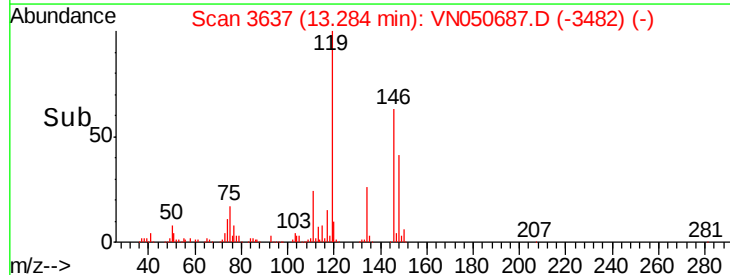
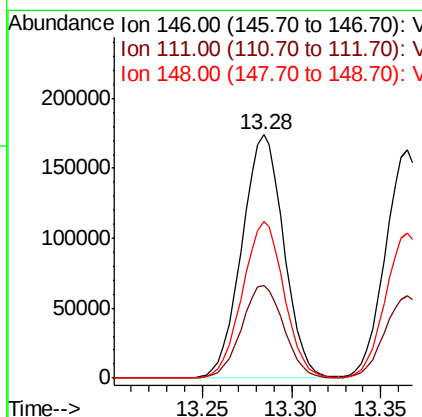
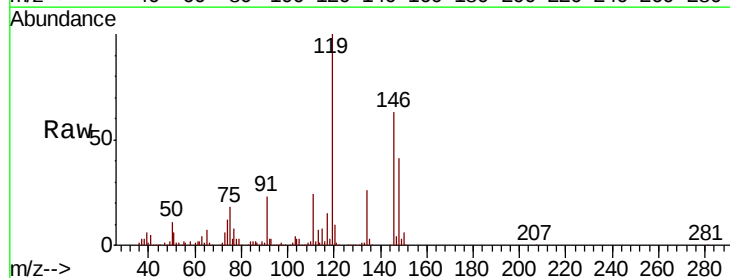
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

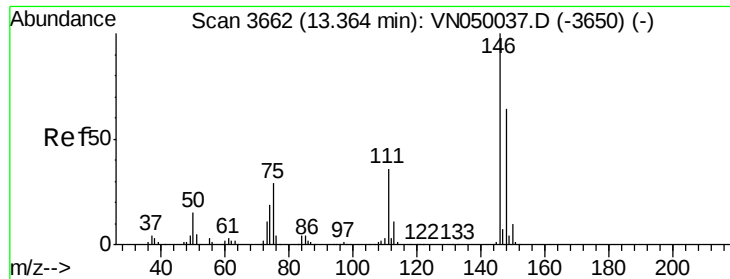
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	23.2	0.0	45.6



#83
1,3-Dichlorobenzene
Concen: 18.70 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	63.8	31.9	95.9





#84

1,4-Dichlorobenzene

Concen: 18.62 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

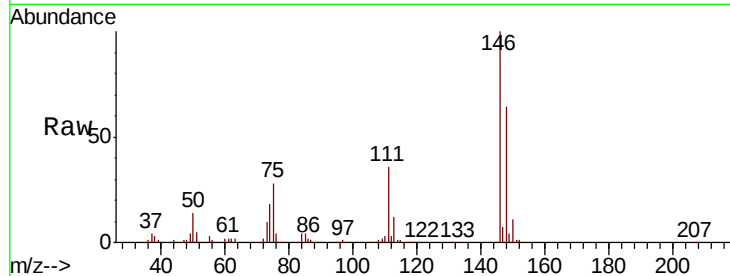
Tot Ion:146 Resp: 269788

Ion Ratio Lower Upper

146 100

111 36.4 17.9 53.8

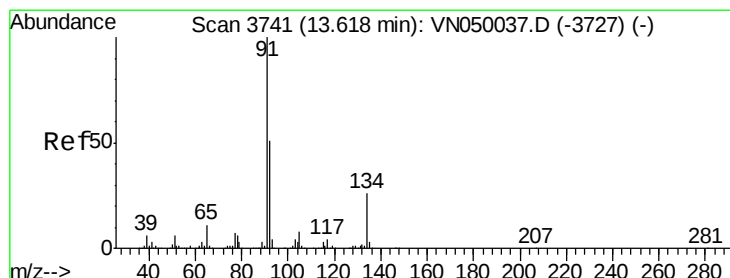
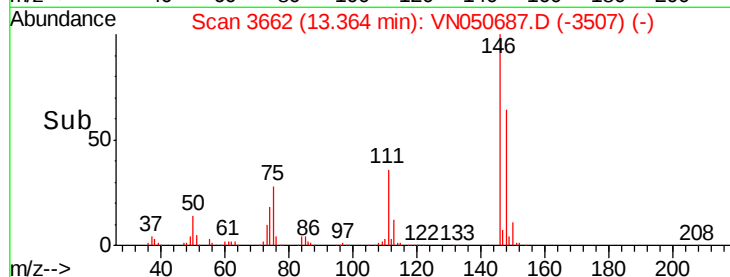
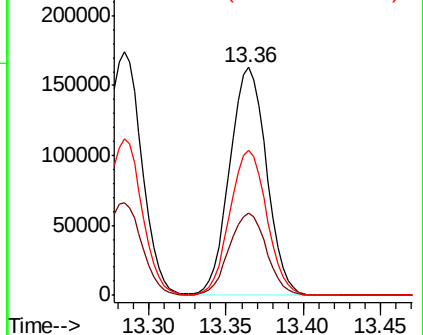
148 63.5 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 17.09 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

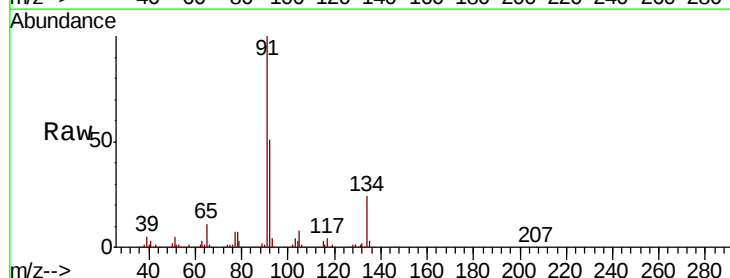
Tgt Ion: 91 Resp: 373107

Ion Ratio Lower Upper

91 100

92 51.0 0.0 102.8

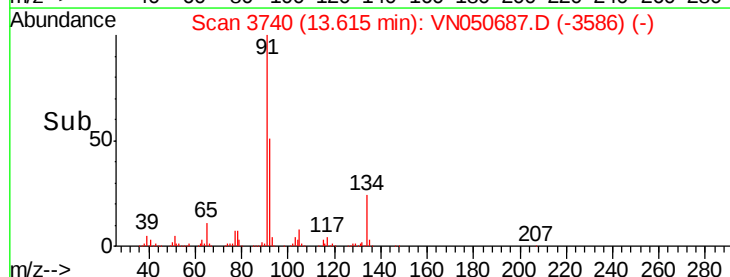
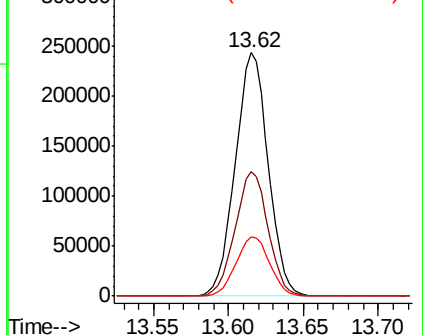
134 24.9 0.0 51.0

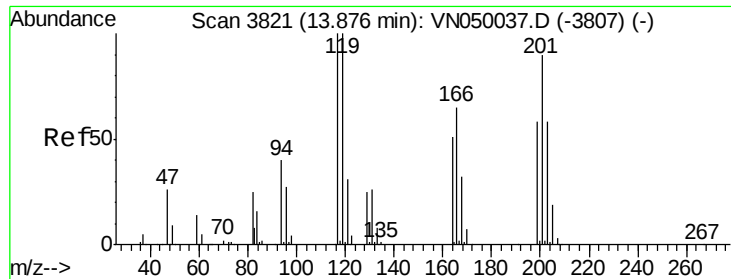


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 18.16 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

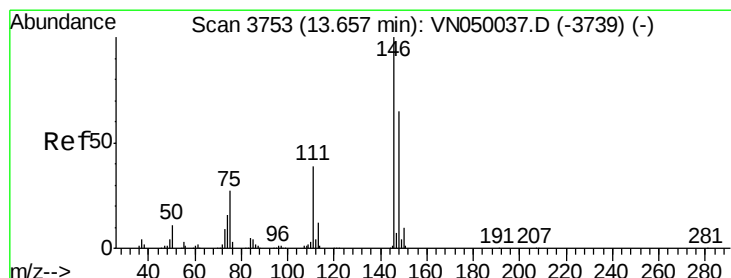
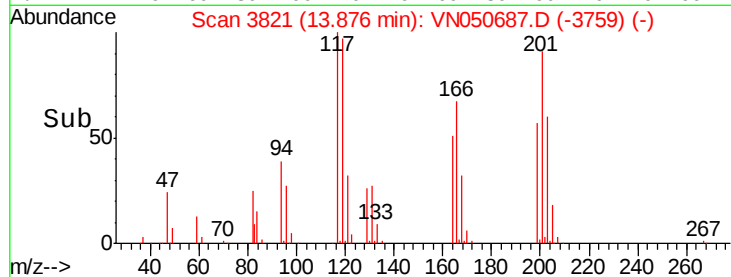
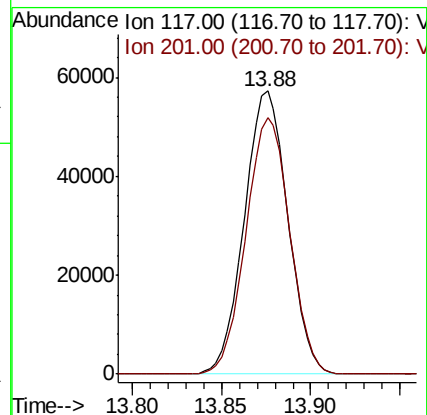
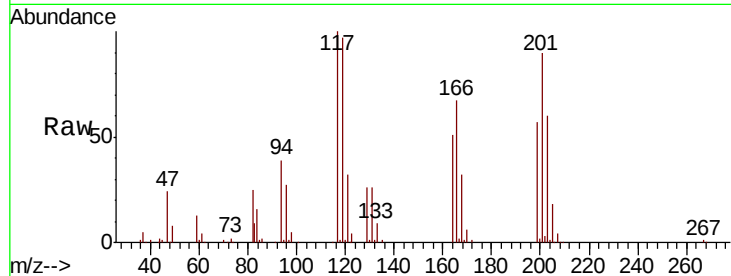
VSTDCCC020EC

Tot Ion:117 Resp: 97672

Ion Ratio Lower Upper

117 100

201 90.9 46.6 139.7



#87

1,2-Dichlorobenzene

Concen: 18.90 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

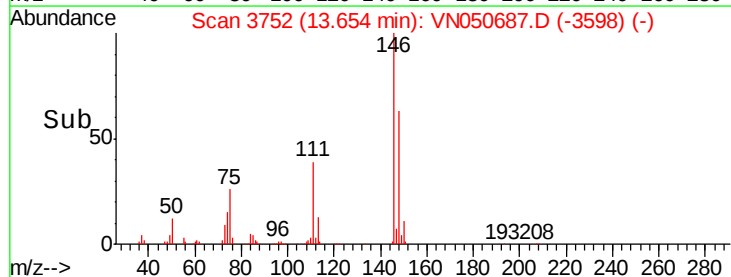
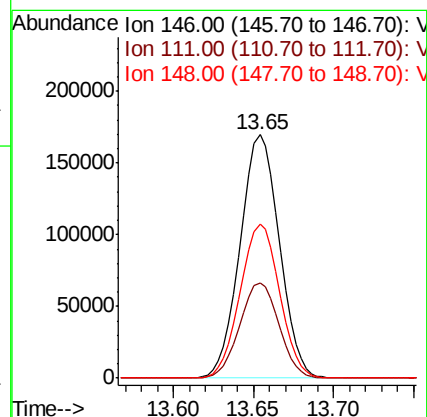
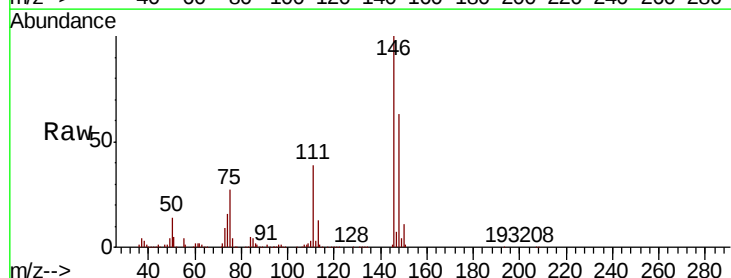
Tgt Ion:146 Resp: 283255

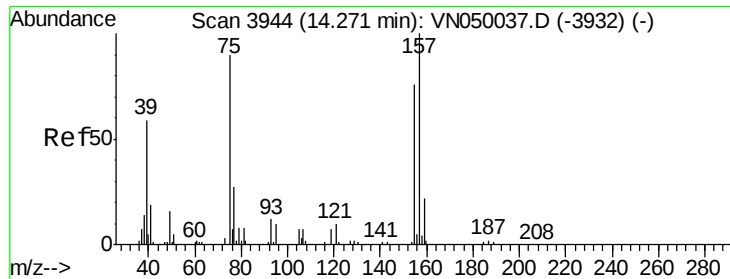
Ion Ratio Lower Upper

146 100

111 39.0 19.8 59.3

148 63.8 31.8 95.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 15.69 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

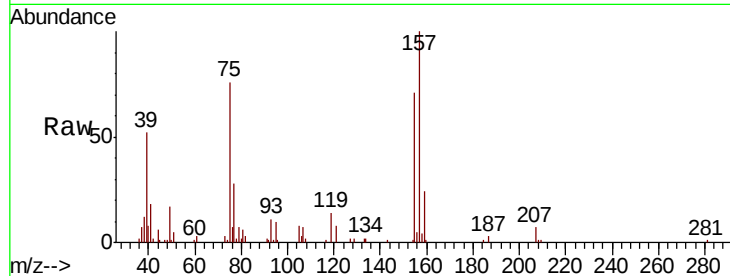
Tot Ion: 75 Resp: 22184

Ion Ratio Lower Upper

75 100

155 90.0 73.0 109.6

157 121.7 94.9 142.3

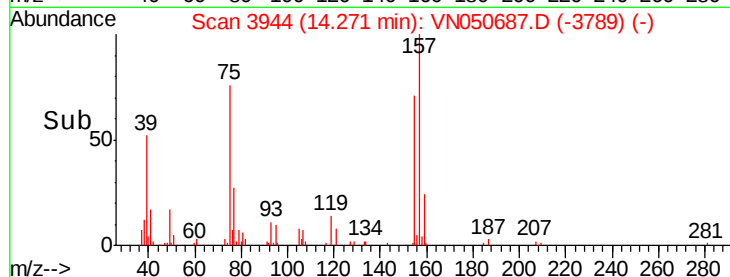


Abundance Ion 75.00 (74.70 to 75.70): VN050687.D (-3932) (-)

Ion 155.00 (154.70 to 155.70): VN050687.D (-3932) (-)

Ion 157.00 (156.70 to 157.70): VN050687.D (-3932) (-)

Time-->

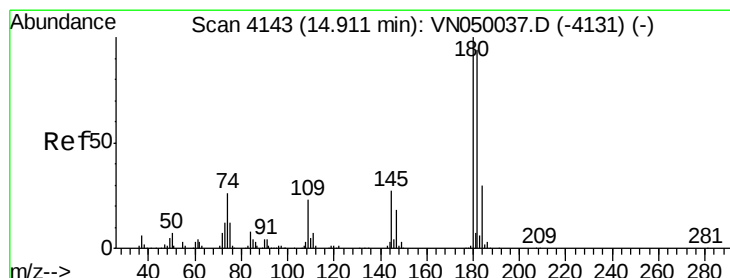


Abundance Ion 75.00 (74.70 to 75.70): VN050687.D (-3789) (-)

Ion 155.00 (154.70 to 155.70): VN050687.D (-3789) (-)

Ion 157.00 (156.70 to 157.70): VN050687.D (-3789) (-)

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 15.59 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

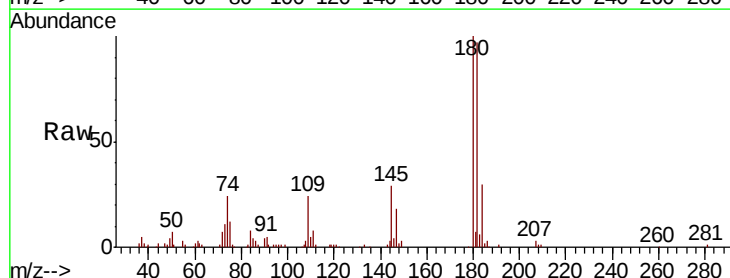
Tgt Ion: 180 Resp: 111647

Ion Ratio Lower Upper

180 100

182 96.5 76.7 115.1

145 28.2 23.4 35.0

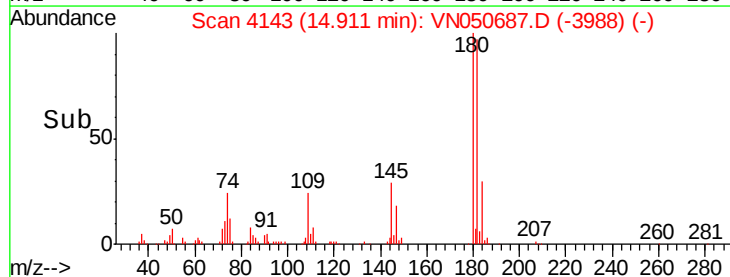


Abundance Ion 180.00 (179.70 to 180.70): VN050687.D (-4131) (-)

Ion 182.00 (181.70 to 182.70): VN050687.D (-4131) (-)

Ion 145.00 (144.70 to 145.70): VN050687.D (-4131) (-)

Time-->

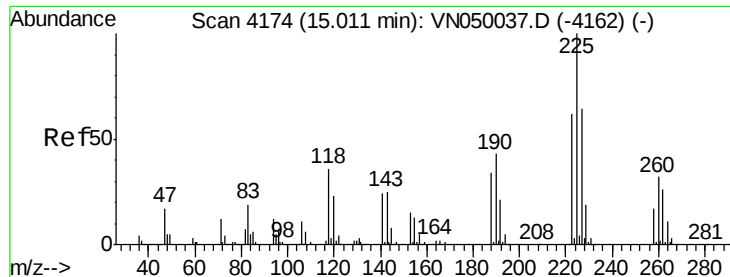


Abundance Ion 180.00 (179.70 to 180.70): VN050687.D (-3988) (-)

Ion 182.00 (181.70 to 182.70): VN050687.D (-3988) (-)

Ion 145.00 (144.70 to 145.70): VN050687.D (-3988) (-)

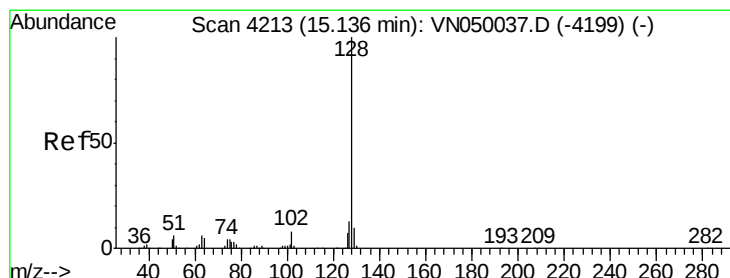
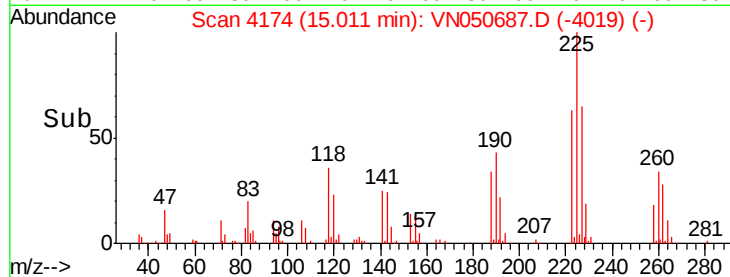
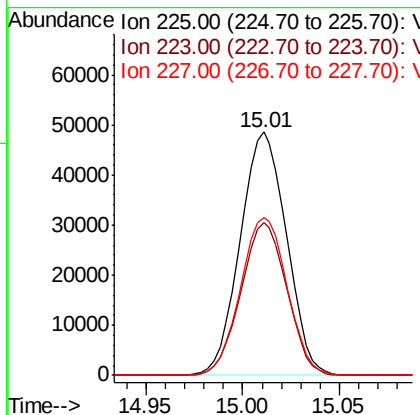
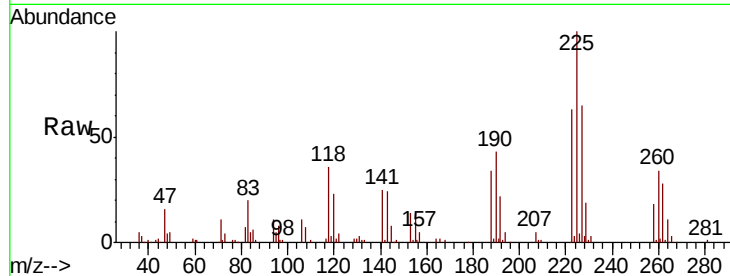
Time-->



#90
Hexachlorobutadiene
Concen: 17.16 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

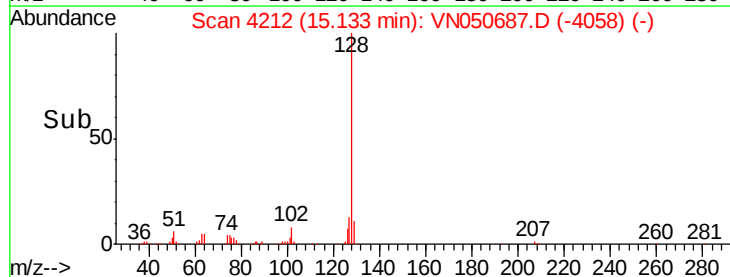
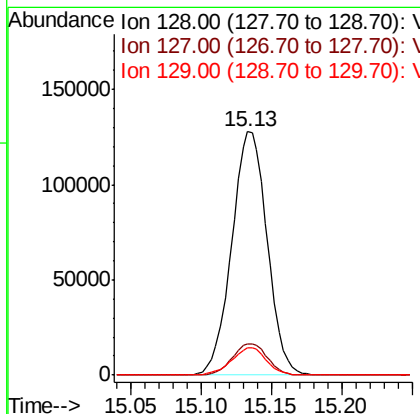
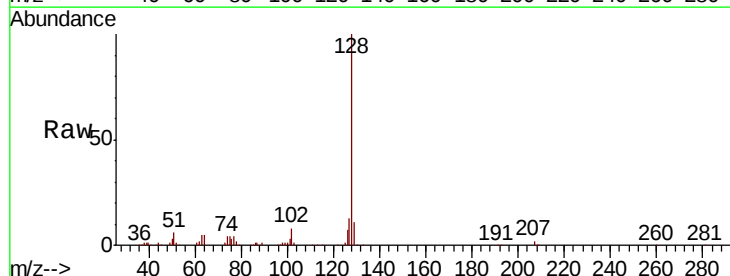
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

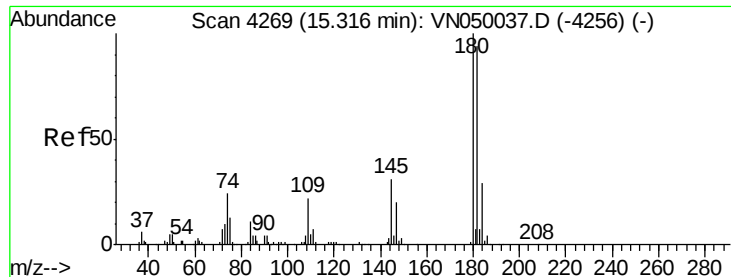
Tot Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	124.4
227	65.3	0.0	133.0



#91
Naphthalene
Concen: 17.65 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	9.0	13.4





#92

1,2,3-Trichlorobenzene

Concen: 15.98 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

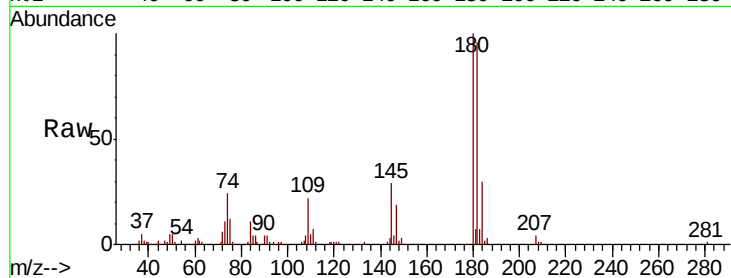
Tot Ion:180 Resp: 116341

Ion Ratio Lower Upper

180 100

182 95.0 0.0 188.8

145 28.9 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

