

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050045.D
 Acq On : 25 Jul 2018 14:43
 Operator : MD\SY
 Sample : J4086-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1513

Quant Time: Jul 26 06:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	122116	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	653566	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	572175	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258331	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	246746	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	10.09	98	837484	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

						Ovalue
3) Chloromethane	2.06	50	330090	38.04	ug/l	99
4) Vinyl Chloride	2.18	62	330249	35.75	ug/l	97
5) Bromomethane	2.56	94	467994	83.11	ug/l	99
6) Chloroethane	2.70	64	517598	94.74	ug/l	98
7) Trichlorofluoromethane	3.01	101	803530	66.57	ug/l	99
12) Methyl Acetate	4.33	43	5504	0.74	ug/l	92
13) Acrolein	3.60	56	140	0.30	ug/l #	13
14) Acrylonitrile	5.06	53	7027	2.82	ug/l #	12
18) Methylene Chloride	4.55	84	2135	0.28	ug/l #	74
19) trans-1,2-Dichloroethene	5.04	96	321315	46.10	ug/l	99
21) 1,1-Dichloroethane	5.85	63	960831	72.48	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	929663	120.26	ug/l	90
24) Methyl tert-Butyl Ether	5.06	73	448794	25.28	ug/l	98
25) Chloroform	7.37	83	490262	36.53	ug/l	100
30) 2-Butanone	6.85	43	1770	0.56	ug/l #	55
32) 1,1,1-Trichloroethane	7.57	97	197940	16.58	ug/l	99
33) Carbon Tetrachloride	7.57	117	26458	2.49	ug/l	99
36) 1,2-Dichloroethane	8.13	62	1326597	131.17	ug/l	99
37) Trichloroethene	8.84	130	232790	28.81	ug/l	99
39) 1,2-Dichloropropane	9.12	63	720175	88.75	ug/l	98
40) Dibromomethane	9.21	93	1155	0.23	ug/l	85
41) Bromodichloromethane	9.41	83	1015586	96.00	ug/l	99
45) 1,4-Dioxane	9.39	88	216	2.67	ug/l #	32
48) t-1,3-Dichloropropene	10.38	75	649828	61.96	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1251854	105.66	ug/l	100
50) 1,1,2-Trichloroethane	10.57	97	1601	0.22	ug/l #	89
52) 1,3-Dichloropropane	10.39	76	23381	1.98	ug/l	95
53) Dibromochloromethane	10.90	129	659561	80.73	ug/l	99
54) 1,2-Dibromoethane	11.01	107	481956	68.36	ug/l	99
55) 2-Chloroethyl vinyl ether	9.72	63	1848	0.47	ug/l #	63
56) Bromoform	12.13	173	103603	17.96	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	897400	134.79	ug/l	99
62) Toluene	10.16	91	1365943	41.84	ug/l	99
64) Chlorobenzene	11.44	112	2139982	108.10	ug/l	99
66) Ethyl Benzene	11.51	91	1229635	36.86	ug/l	100
67) m/p-Xylenes	11.62	106	1066564	83.07	ug/l	100
68) o-Xylene	11.95	106	1104421	90.41	ug/l	99

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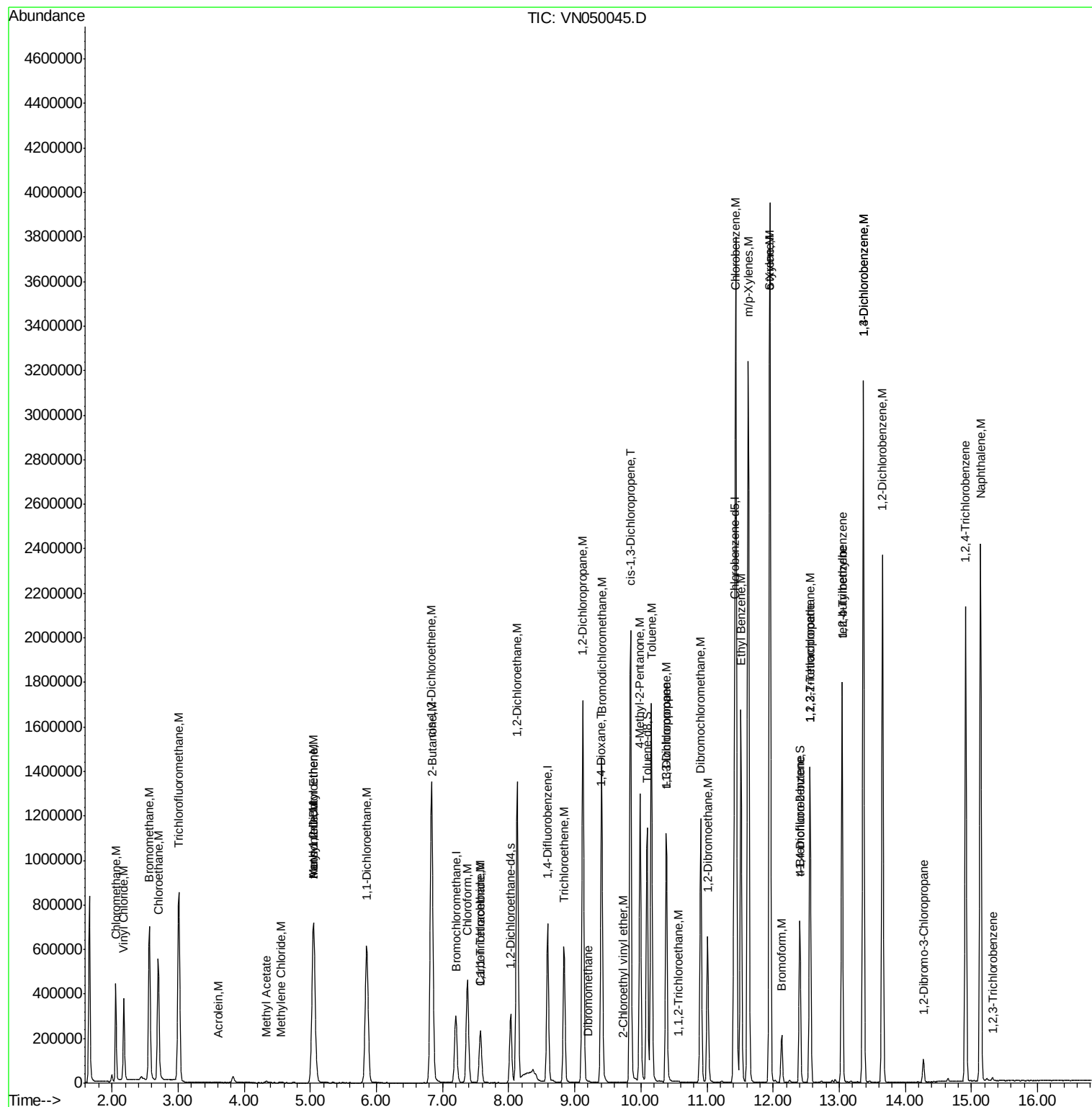
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Styrene	11.95	104	58931	3.01	ug/l #	1
71) 1,1,2,2-Tetrachloroethane	12.56	83	17156	1.92	ug/l #	96
72) 1,2,3-Trichloropropane	12.56	75	613686	83.32	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	121379	48.66	ug/l #	14
79) tert-butylbenzene	13.04	119	131553	5.76	ug/l	73
80) 1,2,4-Trimethylbenzene	13.04	105	988275	36.51	ug/l	99
83) 1,3-Dichlorobenzene	13.36	146	1382844	91.64	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1382844	96.97	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	1044622	70.82	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25128	18.06	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	709417	100.70	ug/l	100
91) Naphthalene	15.14	128	2053004	100.62	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	5292	0.74	ug/l	95

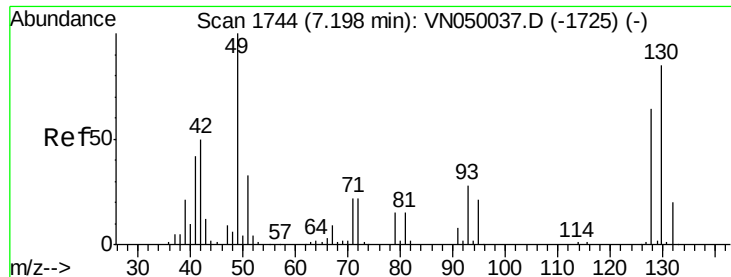
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
1513

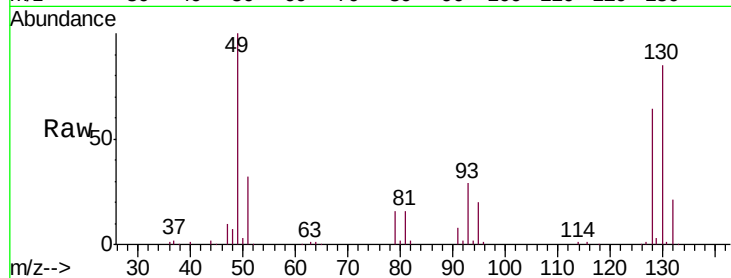
Tot Ion:128 Resp: 122116

Ion Ratio Lower Upper

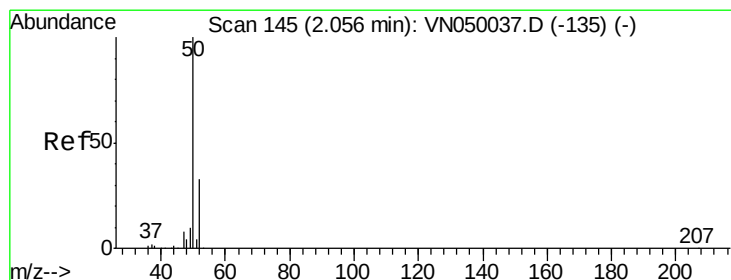
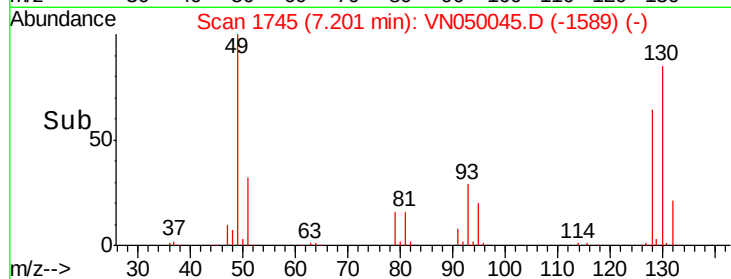
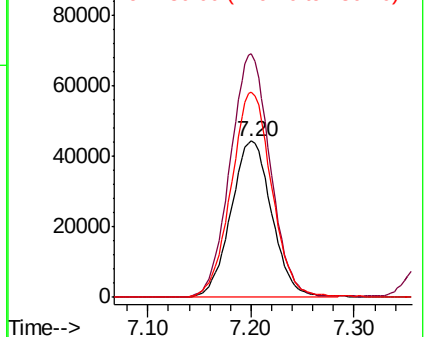
128 100

49 153.2 0.0 378.3

130 130.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 38.04 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050045.D

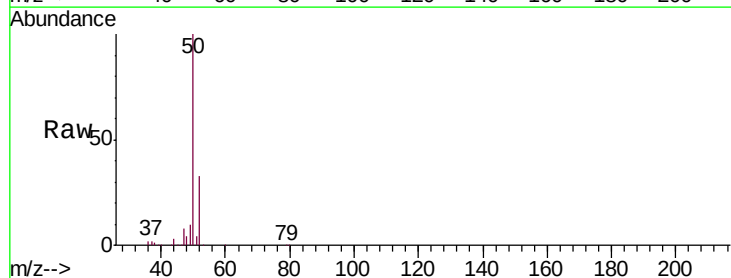
Acq: 25 Jul 2018 14:43

Tgt Ion: 50 Resp: 330090

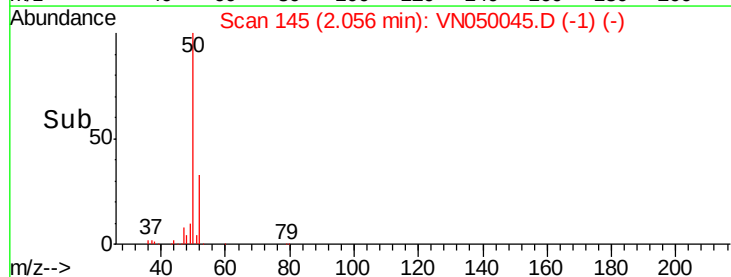
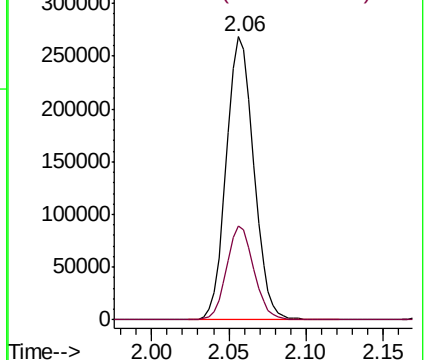
Ion Ratio Lower Upper

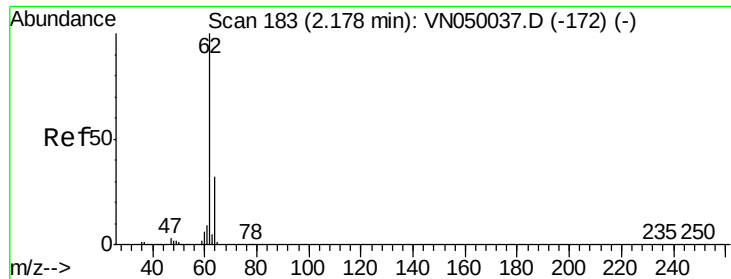
50 100

52 33.3 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#4

Vinyl Chloride

Concen: 35.75 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

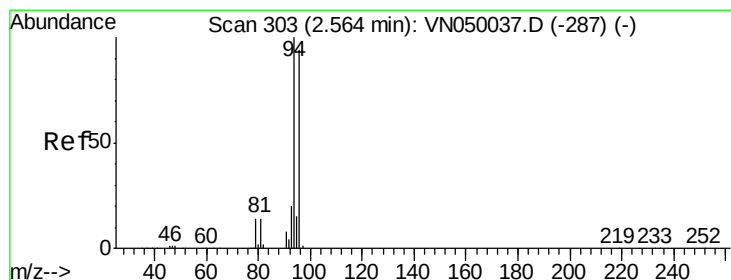
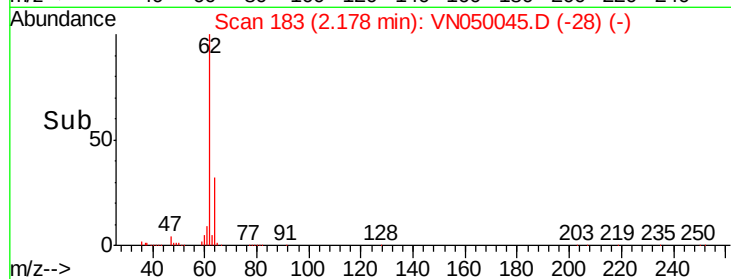
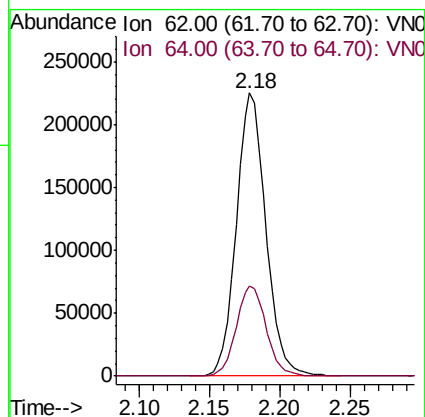
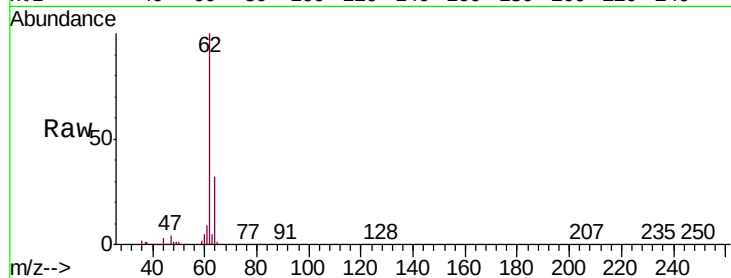
1513

Tot Ion: 62 Resp: 330249

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6



#5

Bromomethane

Concen: 83.11 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050045.D

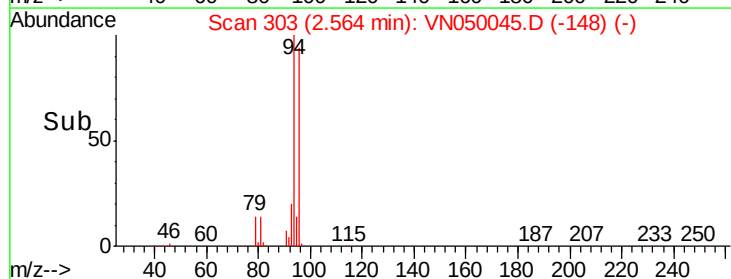
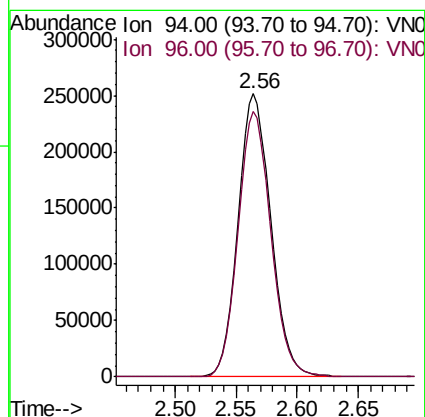
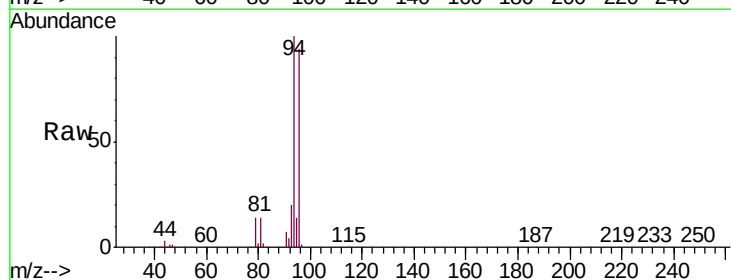
Acq: 25 Jul 2018 14:43

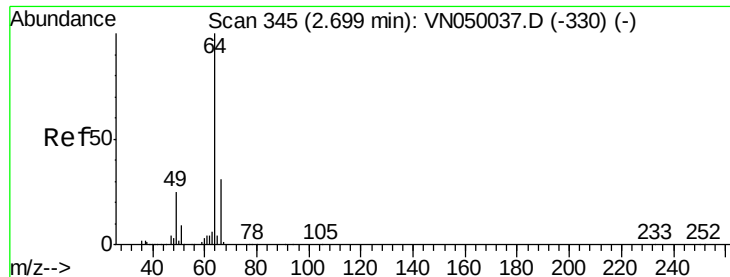
Tgt Ion: 94 Resp: 467994

Ion Ratio Lower Upper

94 100

96 93.8 75.9 113.9





#6

Chloroethane

Concen: 94.74 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

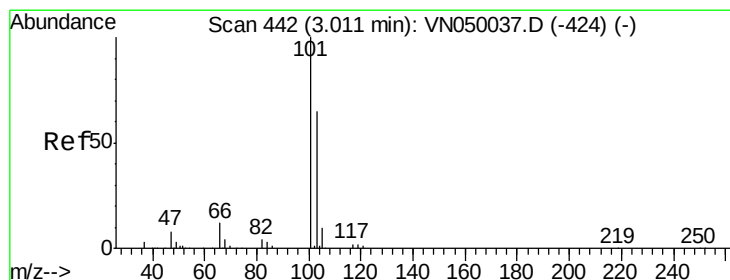
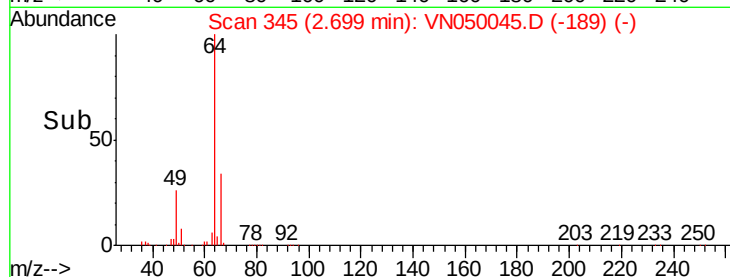
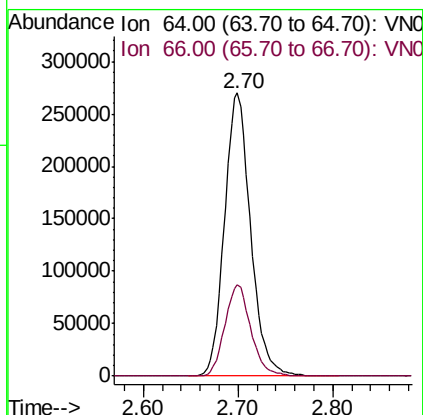
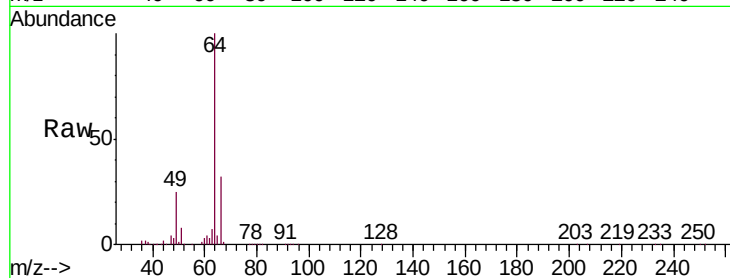
1513

Tot Ion: 64 Resp: 517598

Ion Ratio Lower Upper

64 100

66 32.3 25.0 37.4



#7

Trichlorofluoromethane

Concen: 66.57 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN050045.D

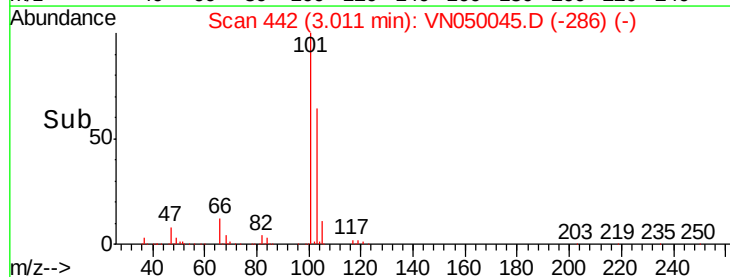
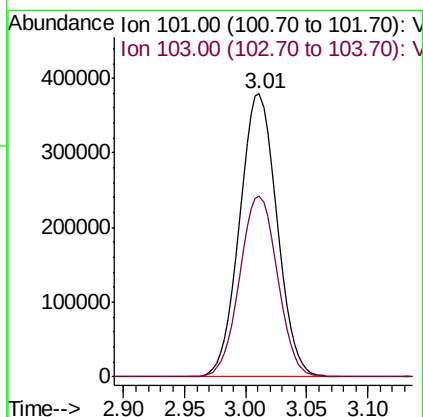
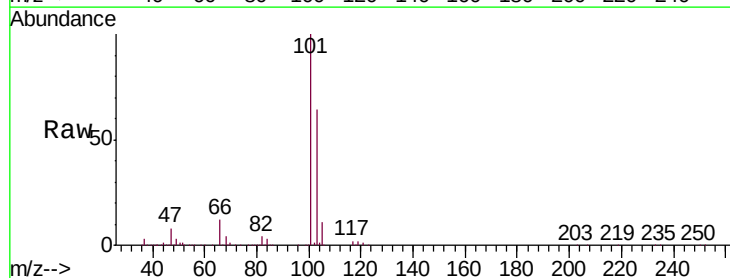
Acq: 25 Jul 2018 14:43

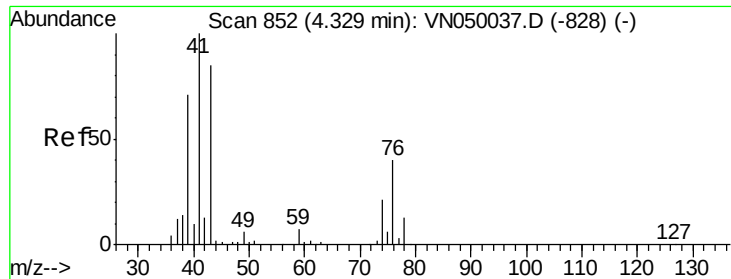
Tgt Ion: 101 Resp: 803530

Ion Ratio Lower Upper

101 100

103 63.9 51.5 77.3

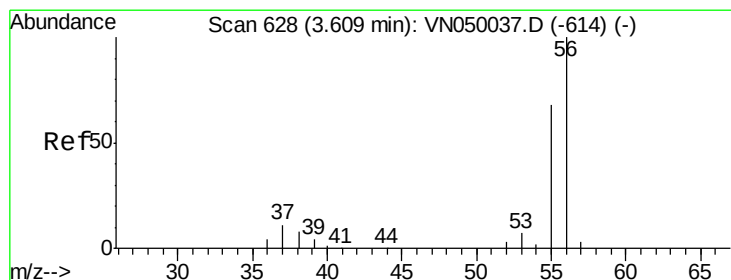
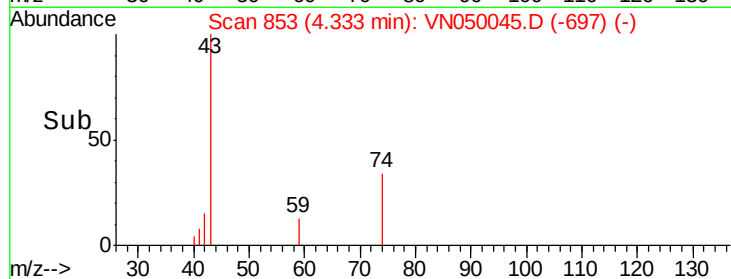
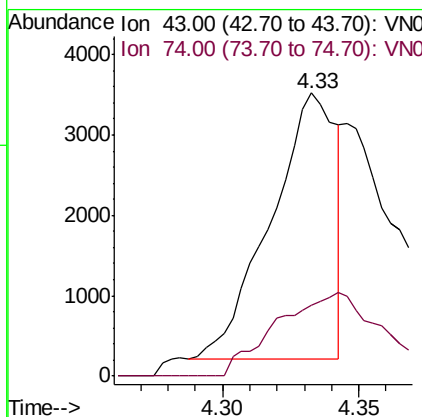
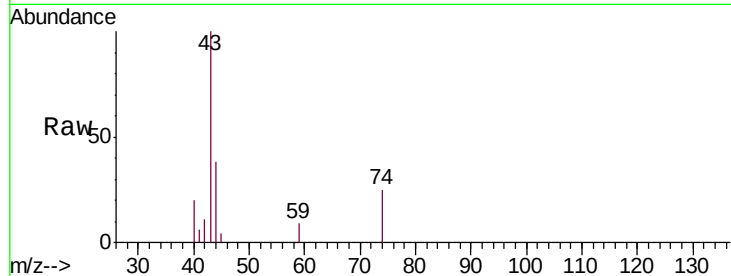




#12
Methvl Acetate
Concen: 0.74 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

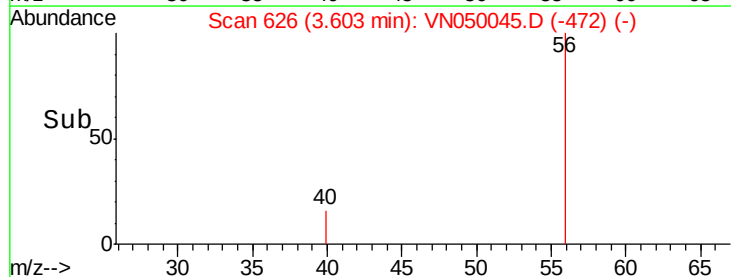
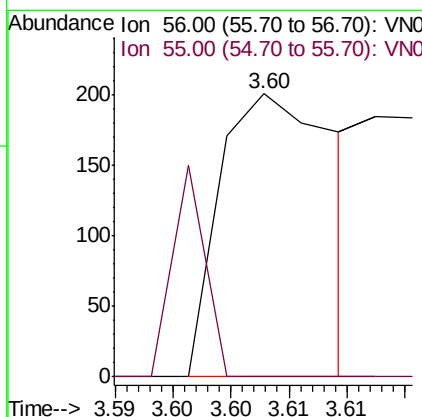
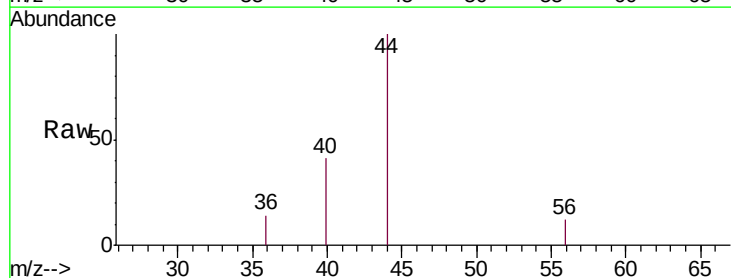
Instrument :
MSVOA_N
ClientSampled :
1513

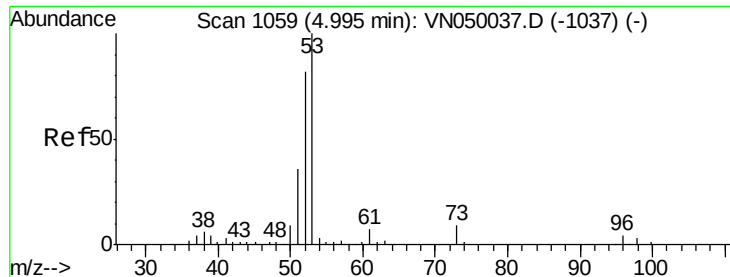
Tot Ion: 43 Resp: 5504
Ion Ratio Lower Upper
43 100
74 19.9 19.3 28.9



#13
Acrolein
Concen: 0.30 ug/l
RT: 3.60 min Scan# 626
Delta R.T. -0.01 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 0.0 58.6 88.0#





#14

Acrylonitrile

Concen: 2.82 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.06 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

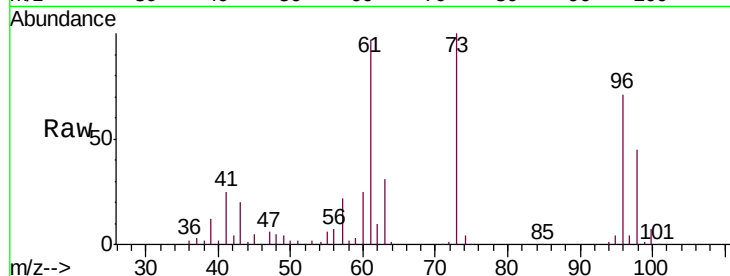
Tot Ion: 53 Resp: 7027

Ion Ratio Lower Upper

53 100

52 5.4 41.5 124.5#

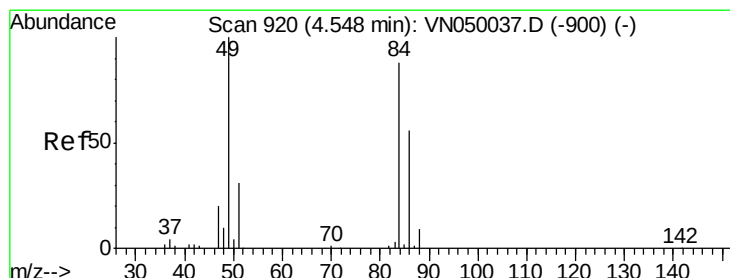
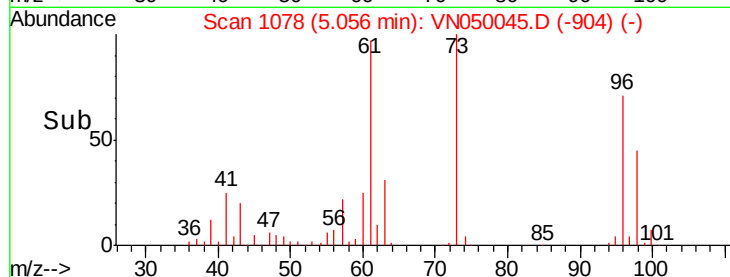
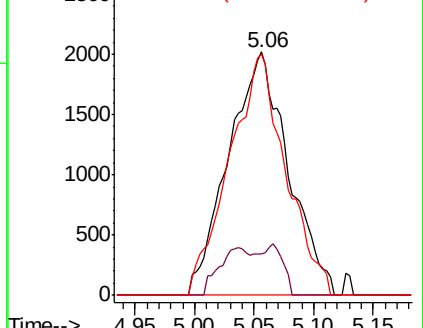
51 93.3 18.7 56.1#



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



#18

Methylene Chloride

Concen: 0.28 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Tgt Ion: 84 Resp: 2135

Ion Ratio Lower Upper

84 100

49 78.4 95.1 142.7#

51 21.4 28.8 43.2#

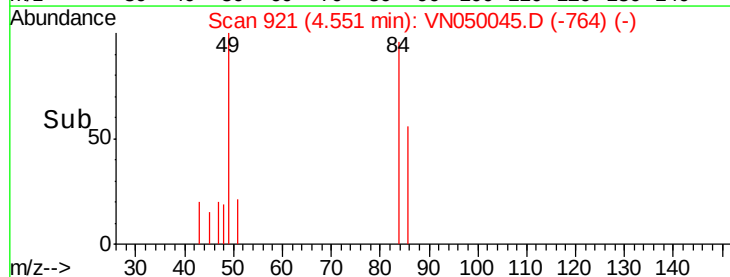
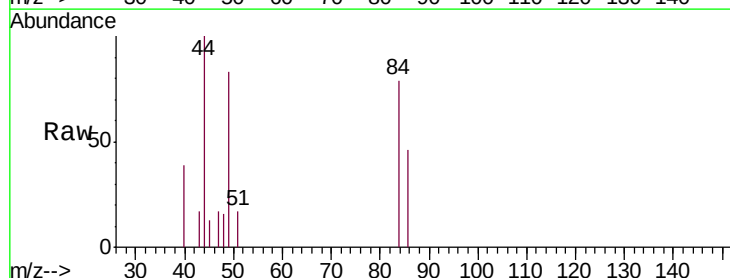
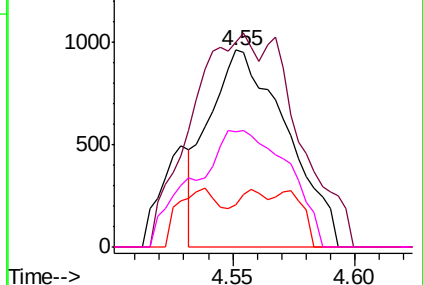
86 58.5 52.3 78.5

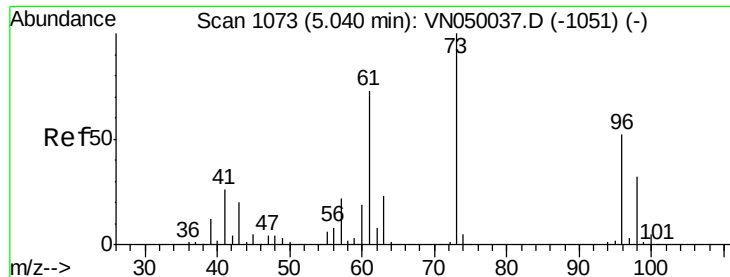
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

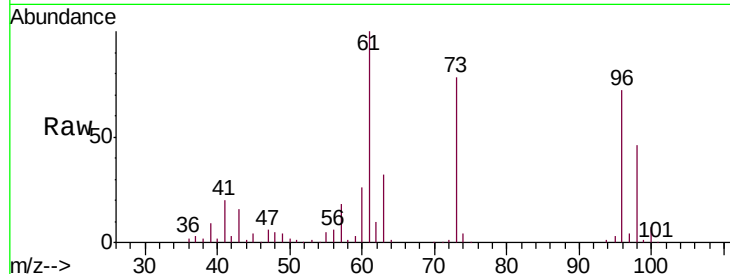




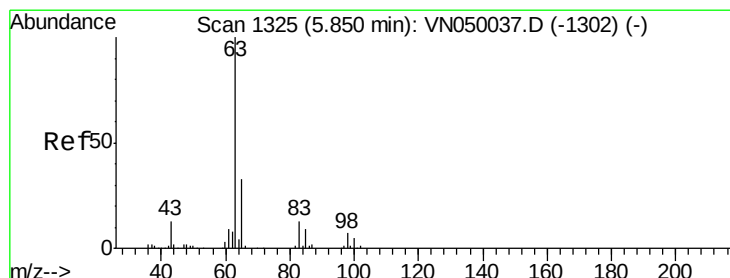
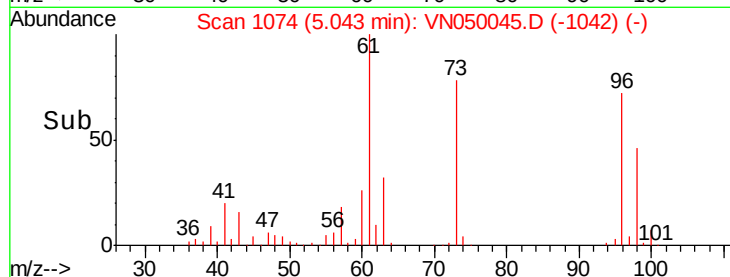
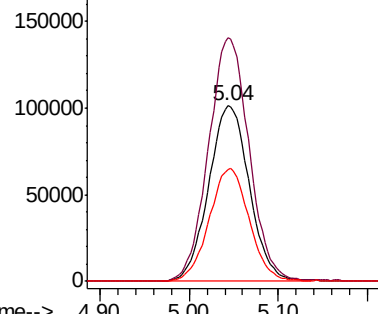
#19
trans-1,2-Dichloroethene
Concen: 46.10 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
1513

Tot Ion: 96 Resp: 321315
Ion Ratio Lower Upper
96 100
61 138.5 112.1 168.1
98 63.3 51.3 76.9

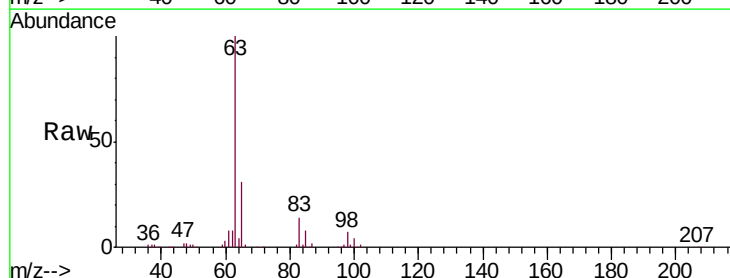


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

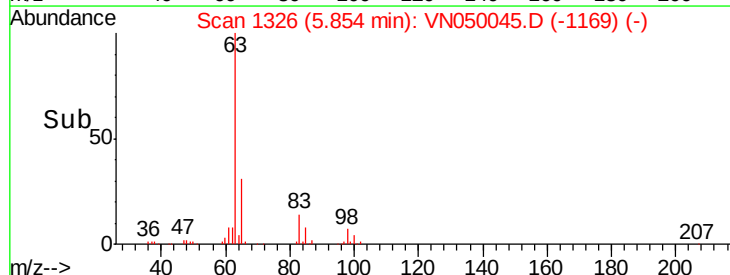
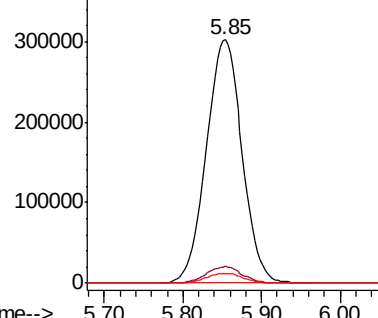


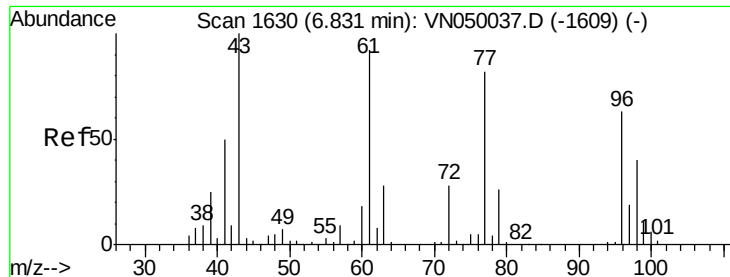
#21
1,1-Dichloroethane
Concen: 72.48 ug/l
RT: 5.85 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 63 Resp: 960831
Ion Ratio Lower Upper
63 100
98 6.8 3.5 10.6
100 4.0 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#22

cis-1,2-Dichloroethene

Concen: 120.26 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
1513

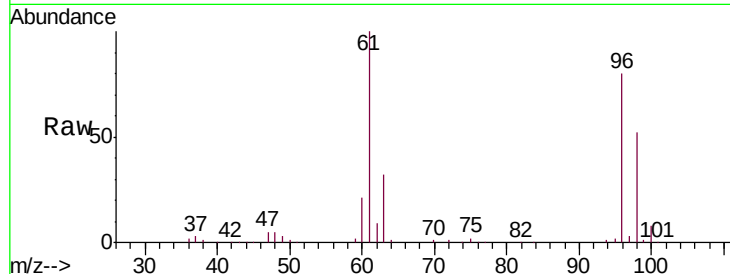
Tot Ion: 96 Resp: 929663

Ion Ratio Lower Upper

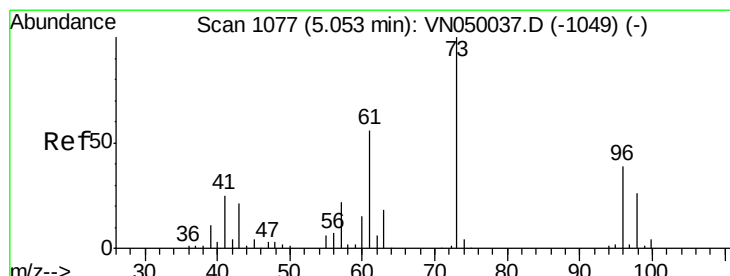
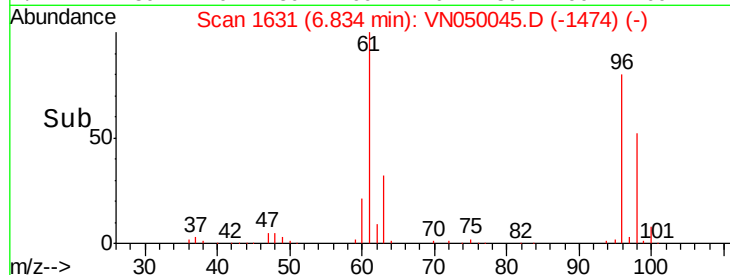
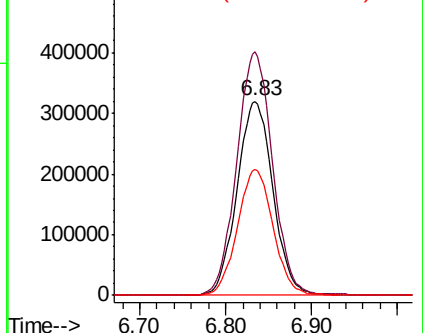
96 100

61 124.6 114.2 171.2

98 64.5 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 25.28 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VN050045.D

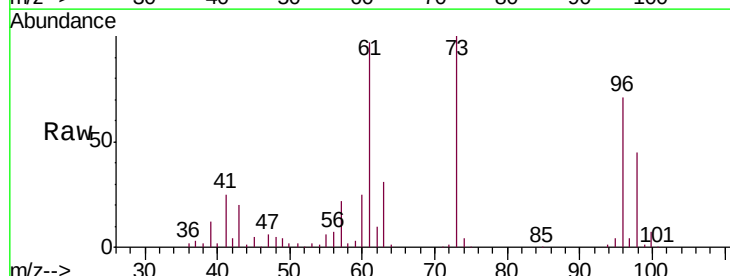
Acq: 25 Jul 2018 14:43

Tgt Ion: 73 Resp: 448794

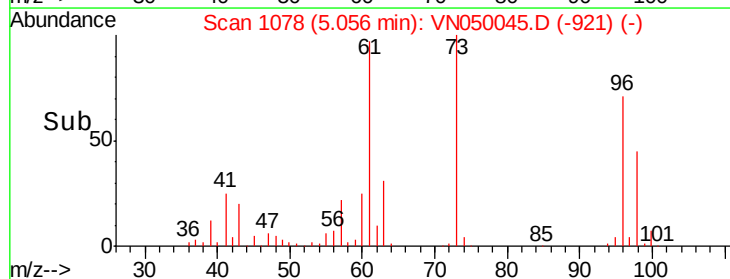
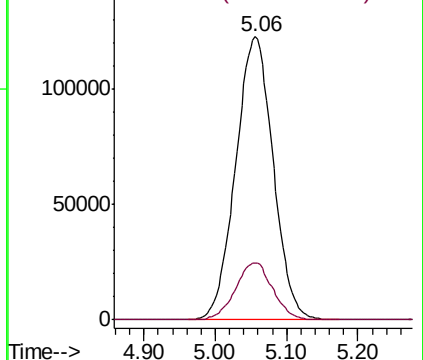
Ion Ratio Lower Upper

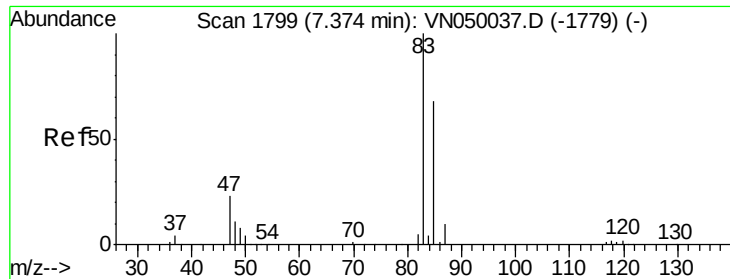
73 100

43 20.1 15.5 23.3



Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 43.00 (42.70 to 43.70): VN0

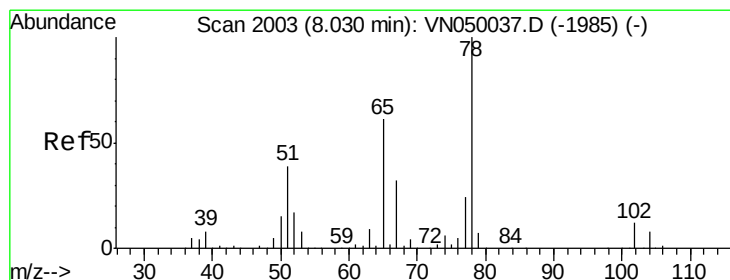
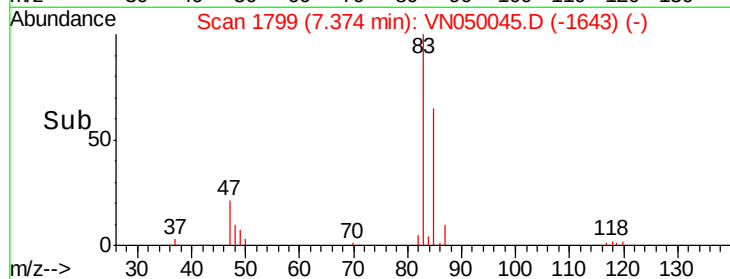
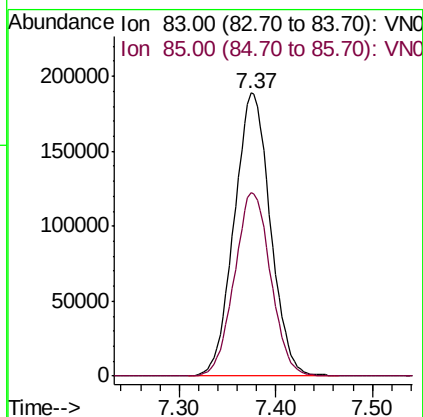
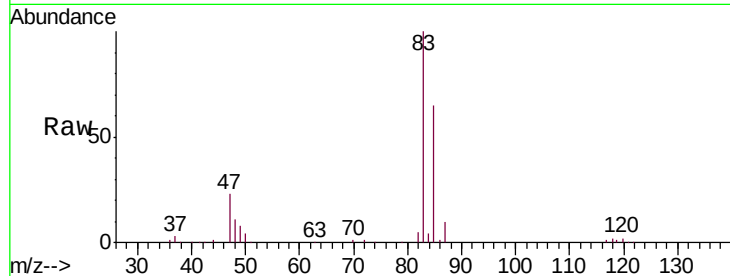




#25
Chloroform
Concen: 36.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

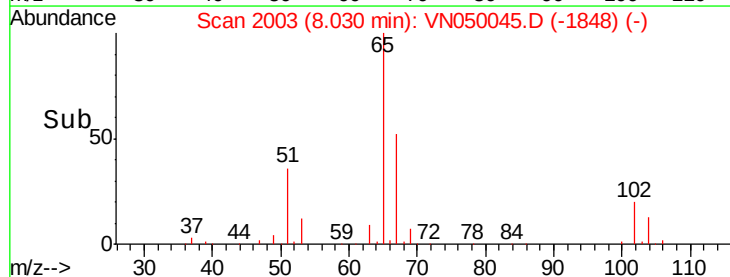
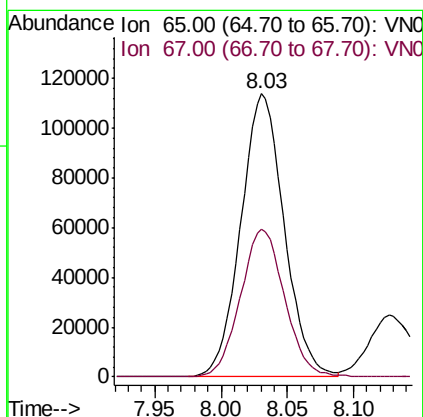
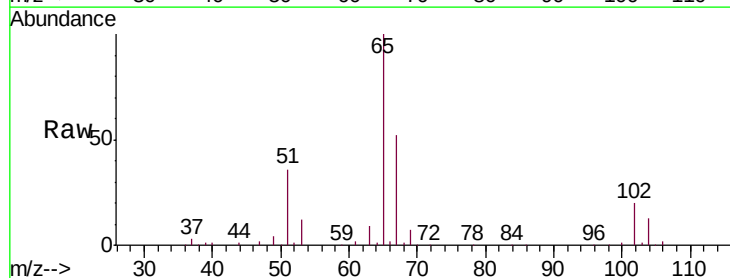
Instrument :
MSVOA_N
ClientSampled :
1513

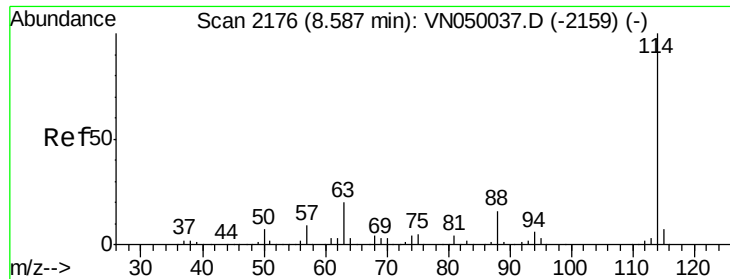
Tot Ion: 83 Resp: 490262
Ion Ratio Lower Upper
83 100
85 65.0 52.1 78.1



#27
1,2-Dichloroethane-d4
Concen: 31.12 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 65 Resp: 258331
Ion Ratio Lower Upper
65 100
67 53.3 42.7 64.1

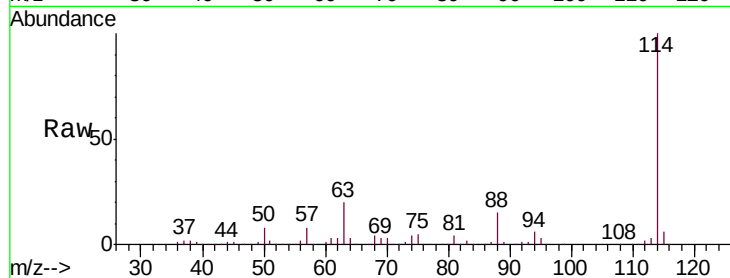




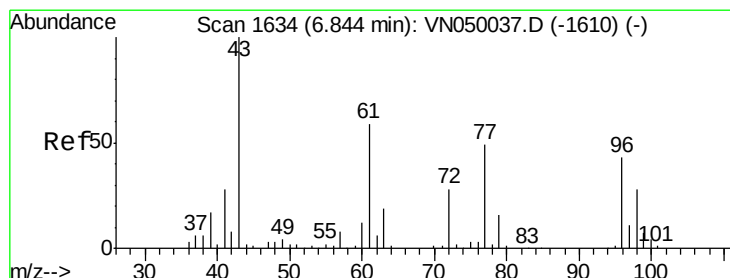
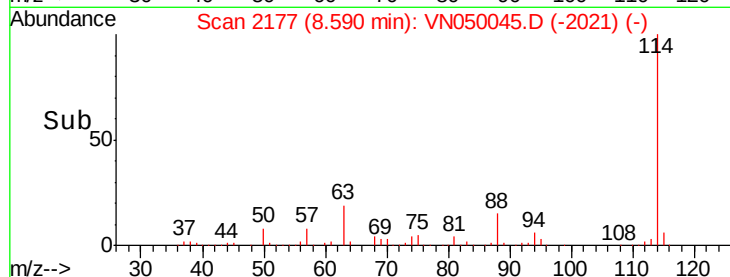
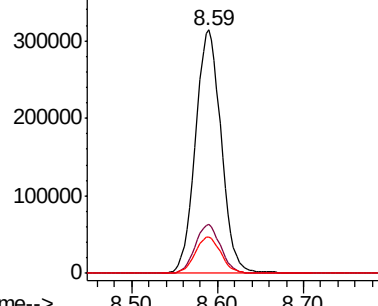
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 1513

Tot Ion:114 Resp: 653566
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.0 12.3 18.5

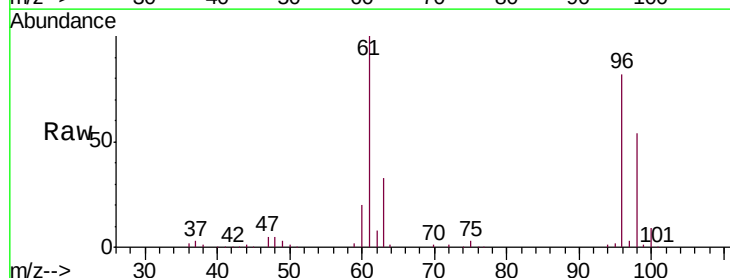


Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)
 Ion 63.00 (62.70 to 63.70): VN050037.D (-2159) (-)
 Ion 88.00 (87.70 to 88.70): VN050037.D (-2159) (-)

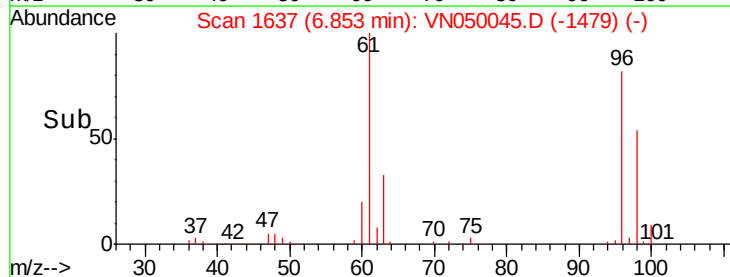
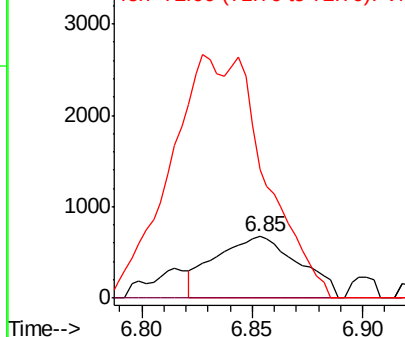


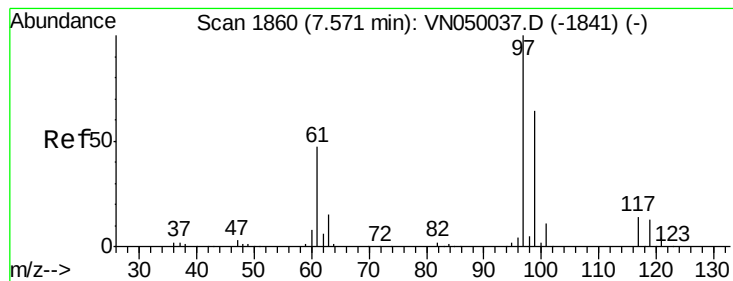
#30
 2-Butanone
 Concen: 0.56 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion: 43 Resp: 1770
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.8 10.2#
 72 0.0 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) (-)





#32

1,1,1-Trichloroethane

Concen: 16.58 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

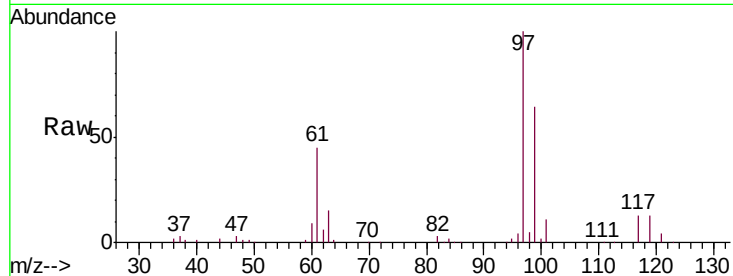
Tot Ion: 97 Resp: 197940

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

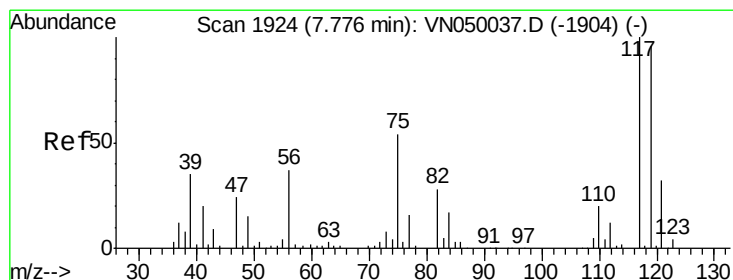
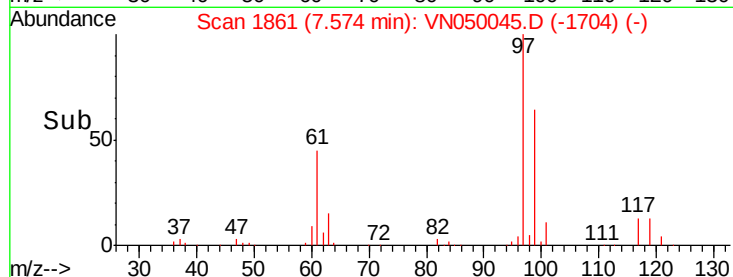
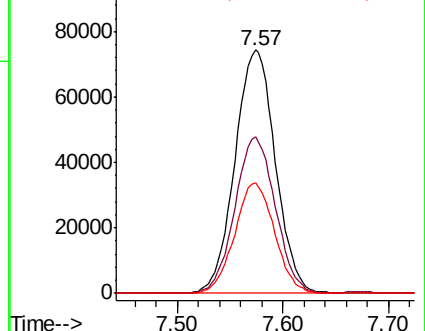
61 44.8 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VN050037.D (-1841) (-)

Ion 99.00 (98.70 to 99.70): VN050037.D (-1841) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1841) (-)



#33

Carbon Tetrachloride

Concen: 2.49 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.20 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

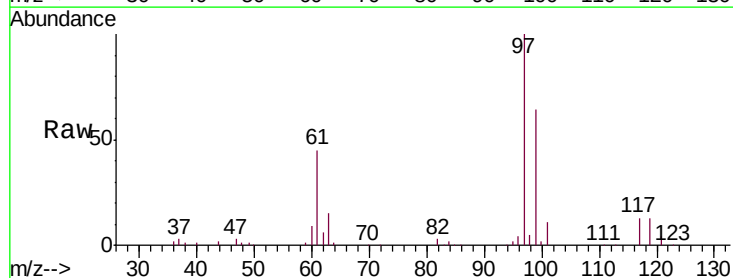
Tgt Ion: 117 Resp: 26458

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3

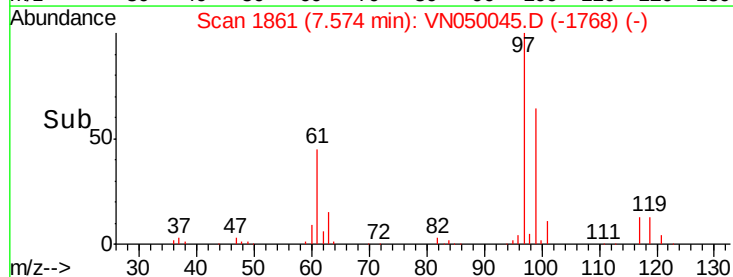
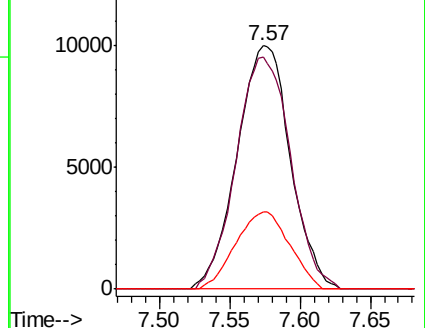
121 31.6 24.4 36.6

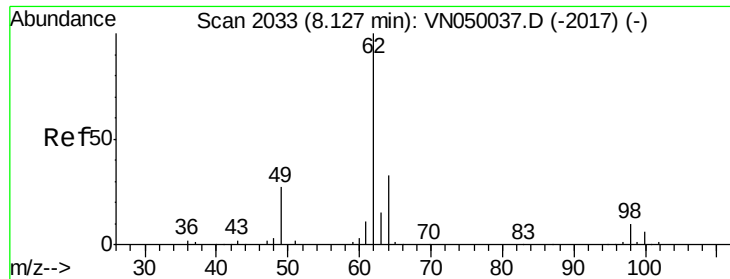


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-1904) (-)

Ion 119.00 (118.70 to 119.70): VN050037.D (-1904) (-)

Ion 121.00 (120.70 to 121.70): VN050037.D (-1904) (-)

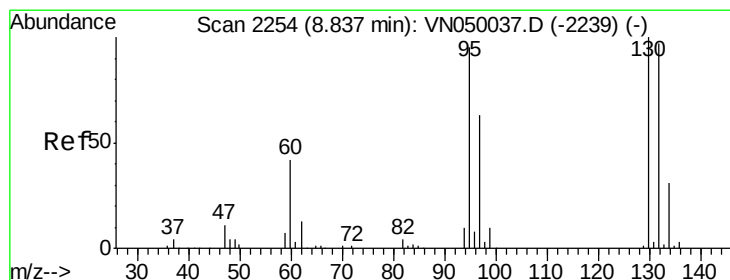
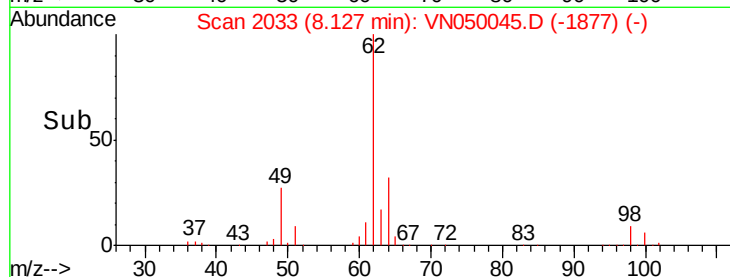
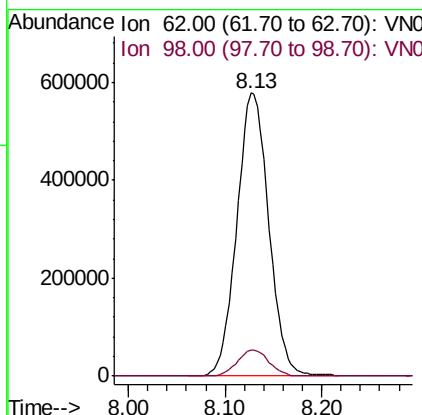
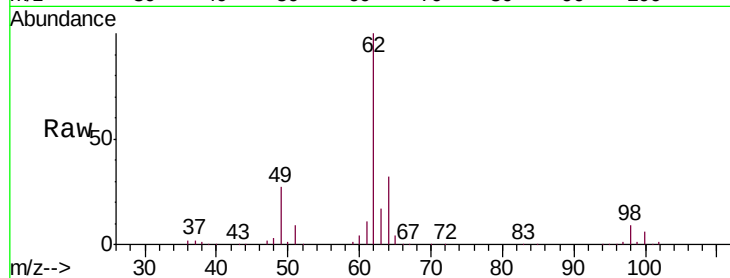




#36
 1,2-Dichloroethane
 Concen: 131.17 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

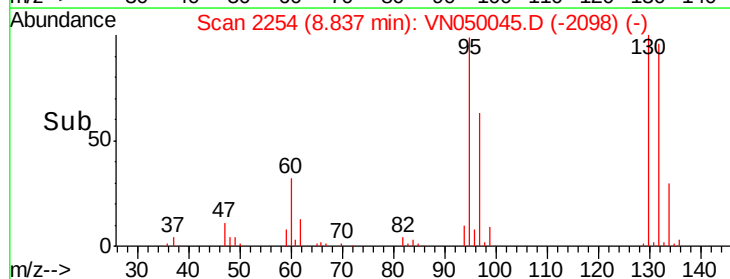
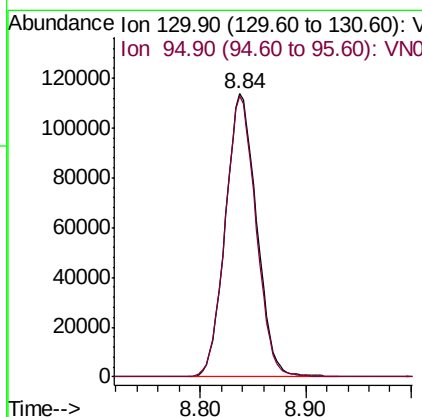
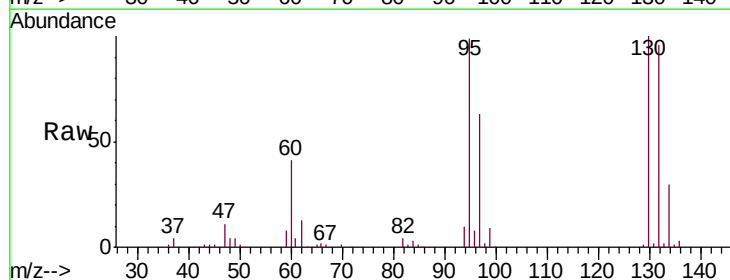
Instrument :
 MSVOA_N
 ClientSampleId :
 1513

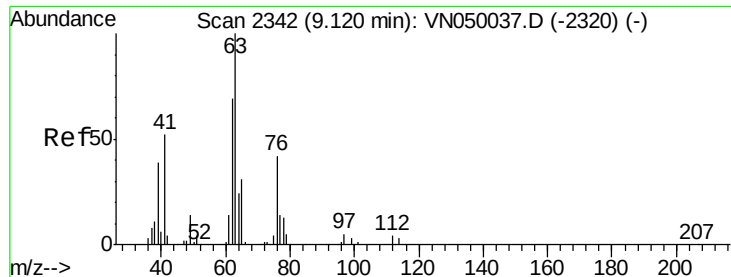
Tot Ion: 62 Resp: 1326597
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.8 11.6



#37
 Trichloroethene
 Concen: 28.81 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion:130 Resp: 232790
 Ion Ratio Lower Upper
 130 100
 95 99.1 79.7 119.5





#39

1,2-Dichloropropane

Concen: 88.75 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

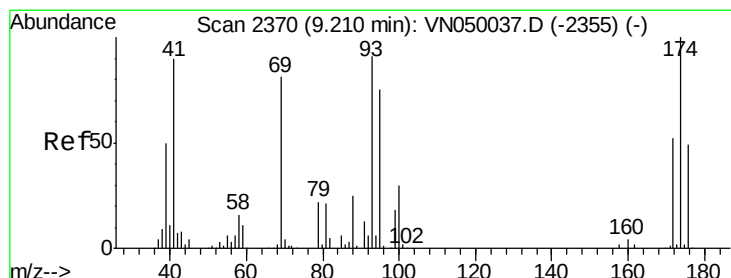
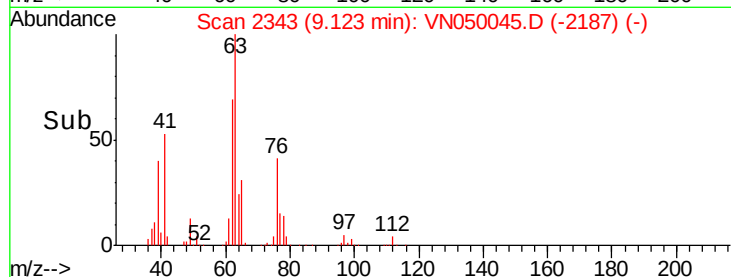
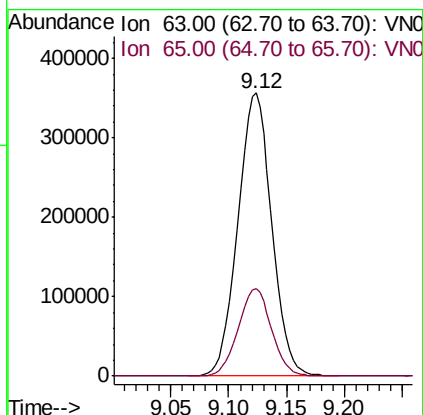
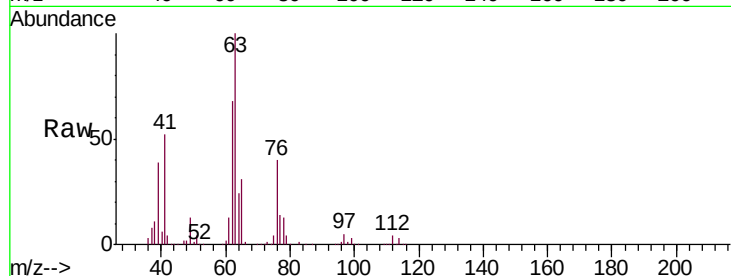
1513

Tot Ion: 63 Resp: 720175

Ion Ratio Lower Upper

63 100

65 31.1 24.2 36.2



#40

Dibromomethane

Concen: 0.23 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

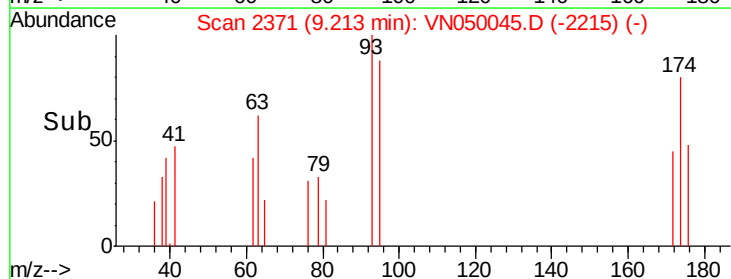
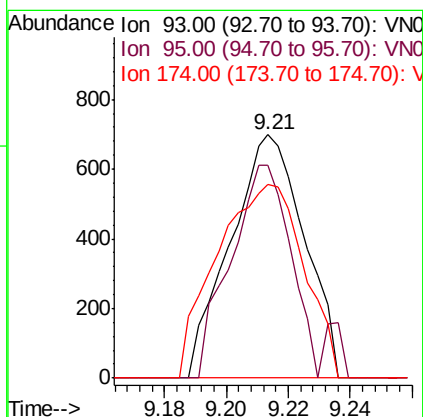
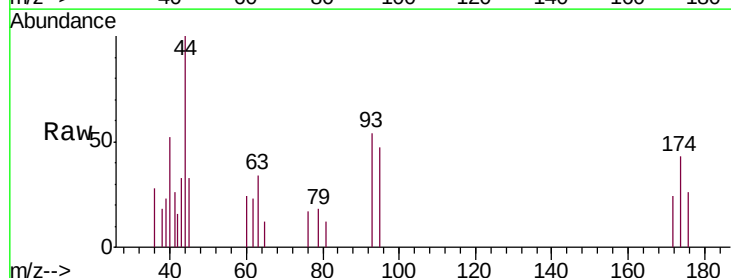
Tgt Ion: 93 Resp: 1155

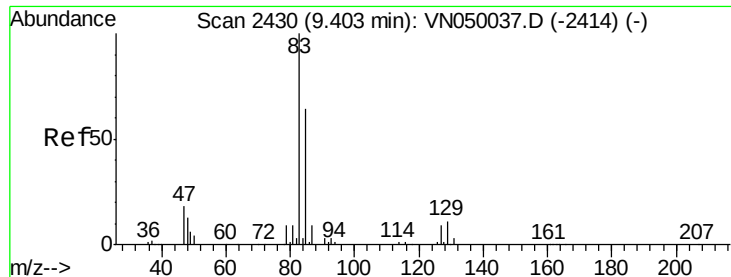
Ion Ratio Lower Upper

93 100

95 71.5 0.0 165.6

174 94.2 0.0 223.2





#41

Bromodichloromethane

Concen: 96.00 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
1513

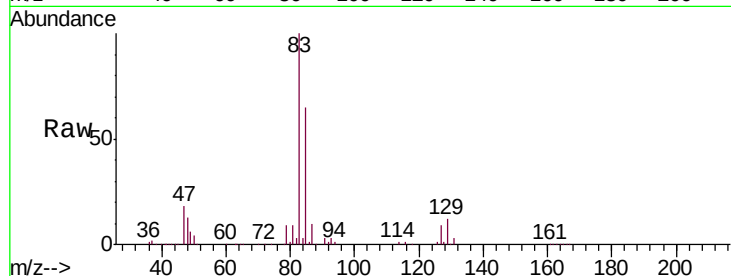
Tot Ion: 83 Resp: 1015586

Ion Ratio Lower Upper

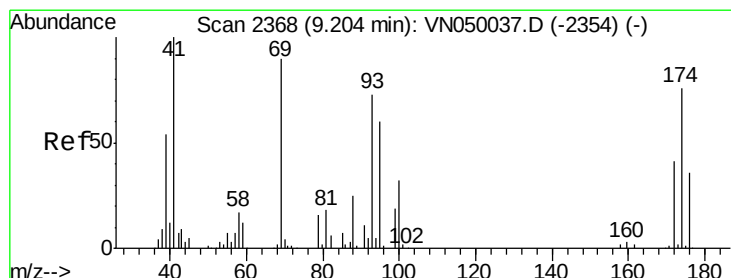
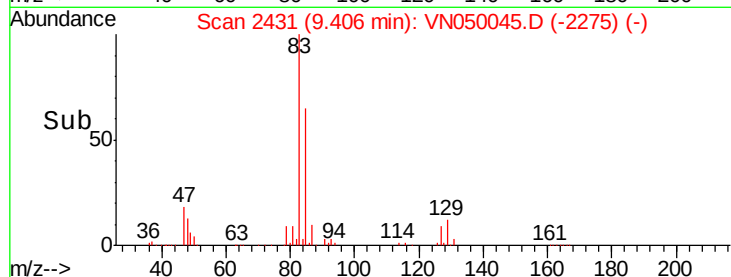
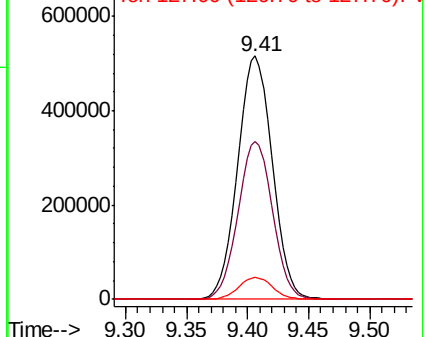
83 100

85 65.0 52.6 78.8

127 8.9 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



#45

1,4-Dioxane

Concen: 2.67 ug/l

RT: 9.39 min Scan# 2425

Delta R.T. 0.18 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

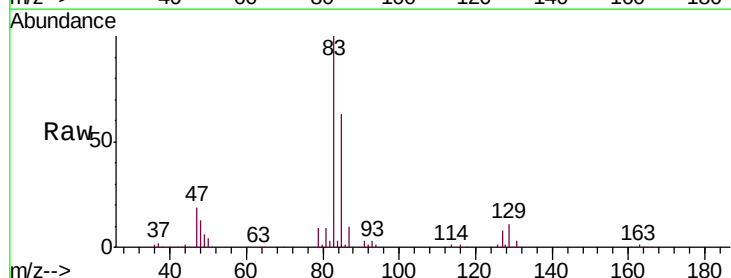
Tgt Ion: 88 Resp: 216

Ion Ratio Lower Upper

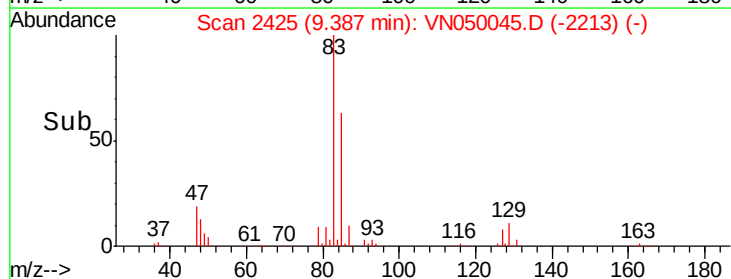
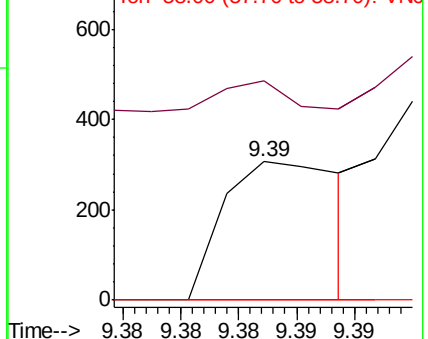
88 100

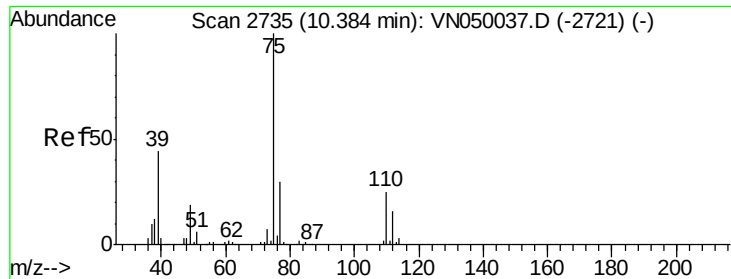
43 13.0 26.9 40.3#

58 0.0 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





#48

t-1,3-Dichloropropene

Concen: 61.96 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

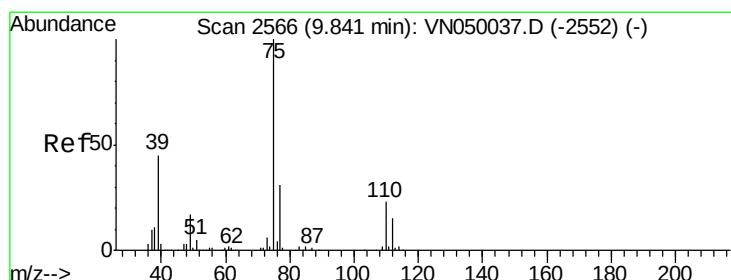
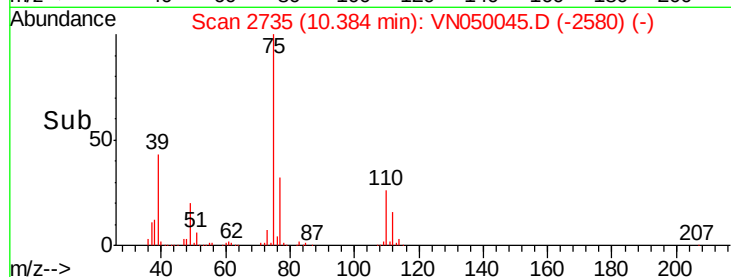
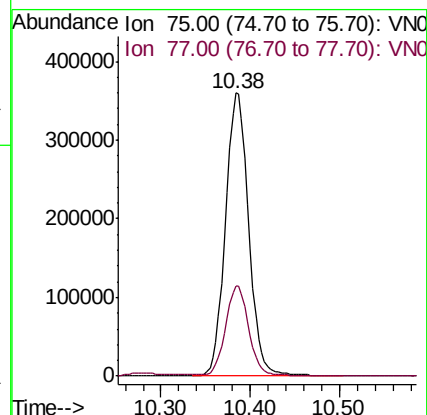
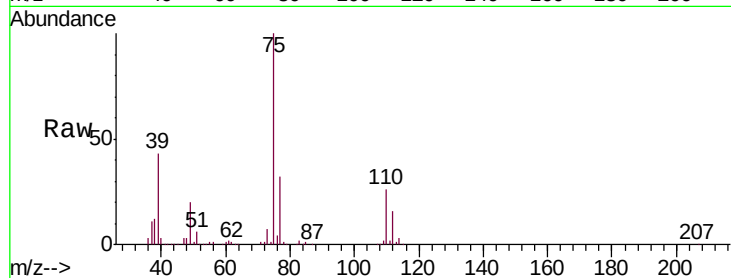
1513

Tot Ion: 75 Resp: 649828

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 105.66 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

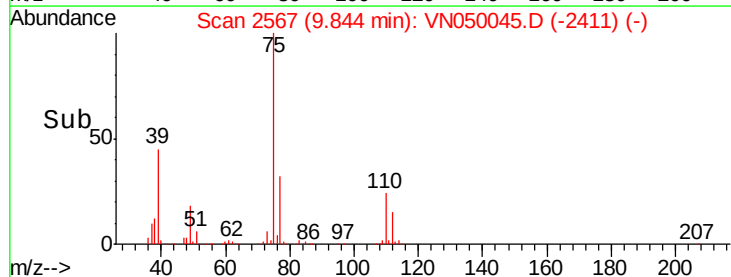
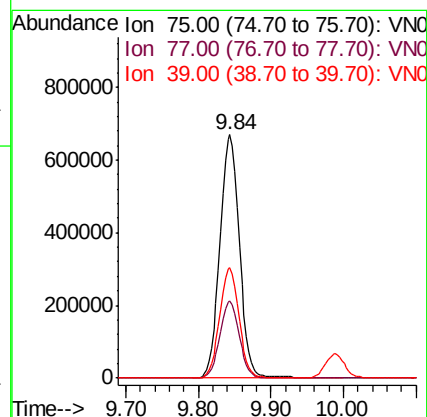
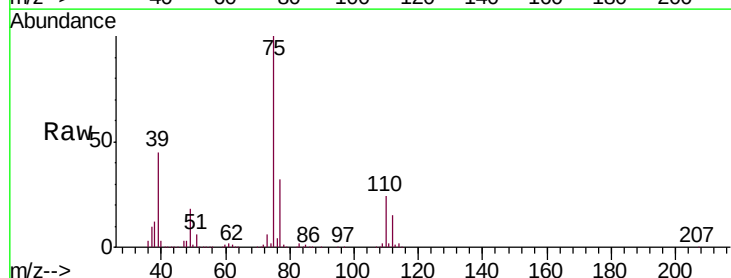
Tgt Ion: 75 Resp: 1251854

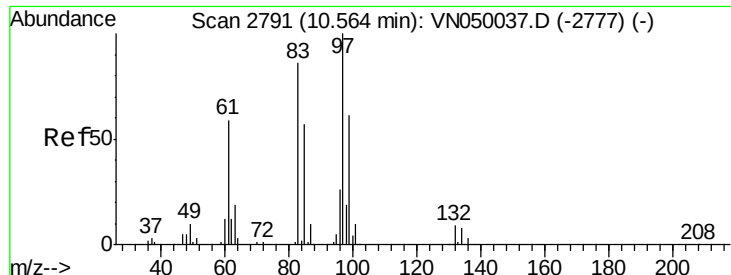
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 45.3 36.3 54.5

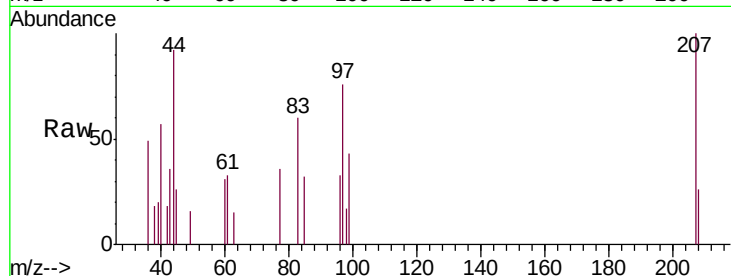




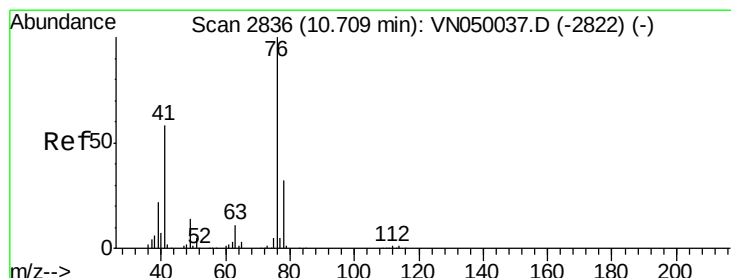
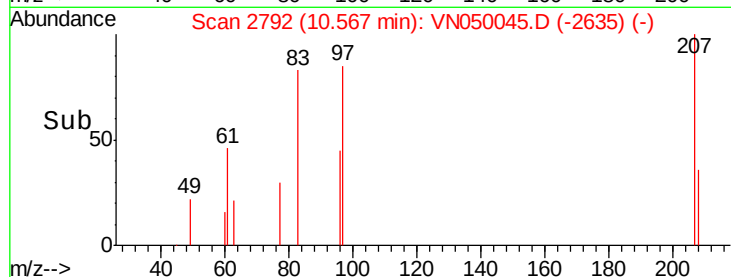
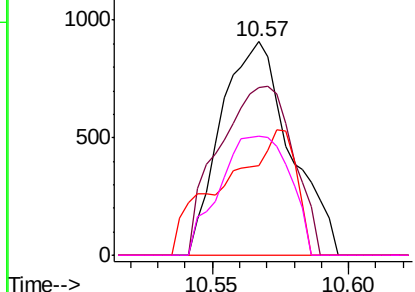
#50
 1,1,2-Trichloroethane
 Concen: 0.22 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 1513

Tot Ion: 97 Resp: 1601
 Ion Ratio Lower Upper
 97 100
 83 78.8 68.1 102.1
 85 41.8 45.4 68.2#
 99 55.9 49.4 74.0

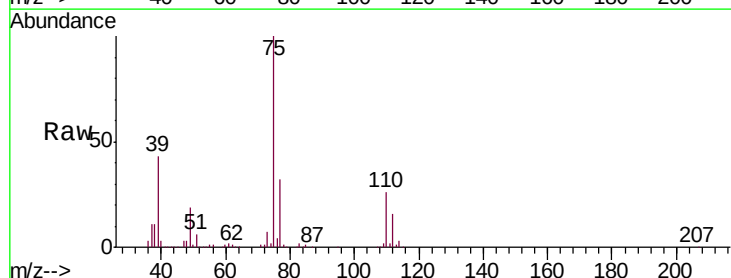


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

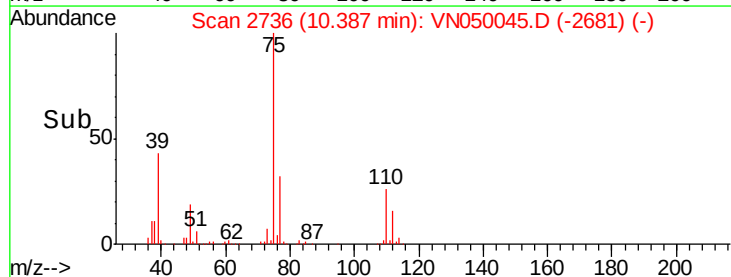
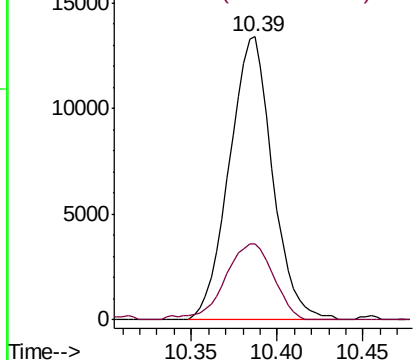


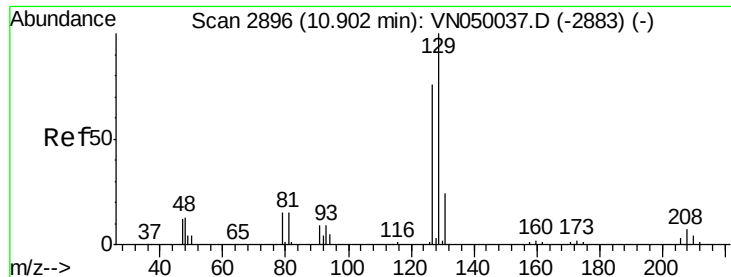
#52
 1,3-Dichloropropane
 Concen: 1.98 ug/l
 RT: 10.39 min Scan# 2736
 Delta R.T. -0.32 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion: 76 Resp: 23381
 Ion Ratio Lower Upper
 76 100
 78 30.0 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
 Ion 78.00 (77.70 to 78.70): VN0

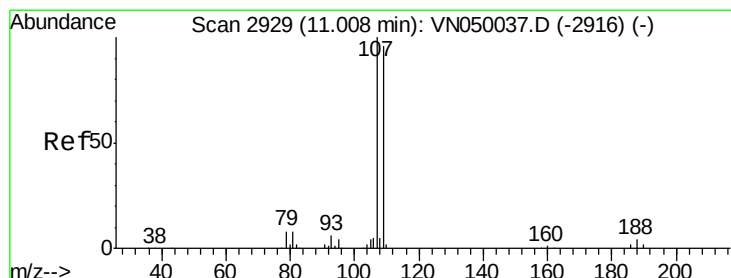
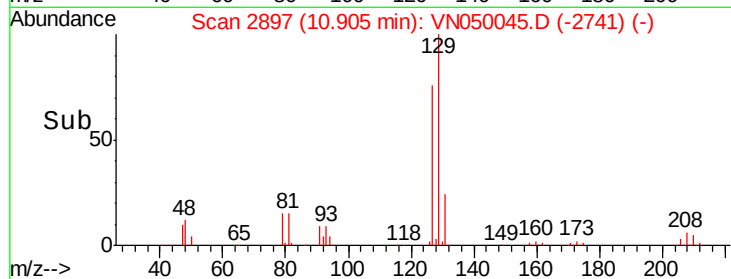
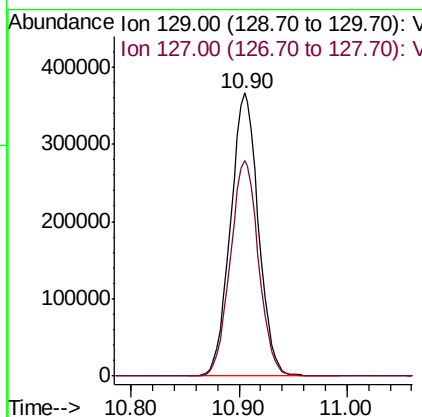
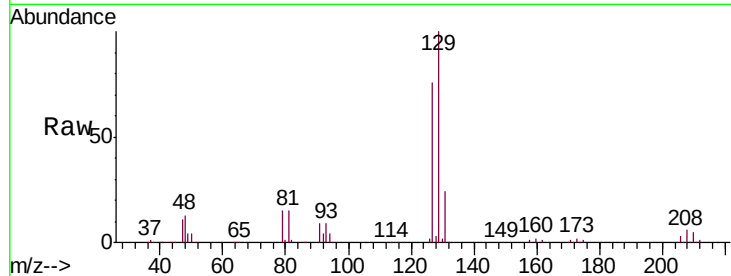




#53
 Dibromochloromethane
 Concen: 80.73 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

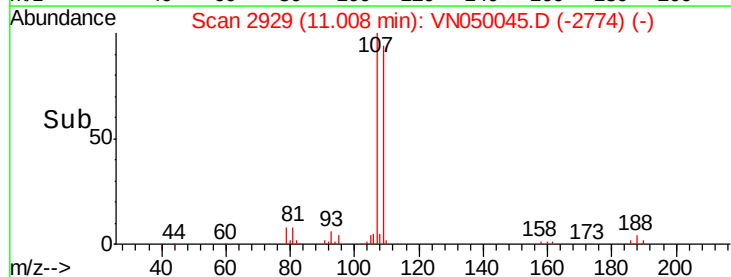
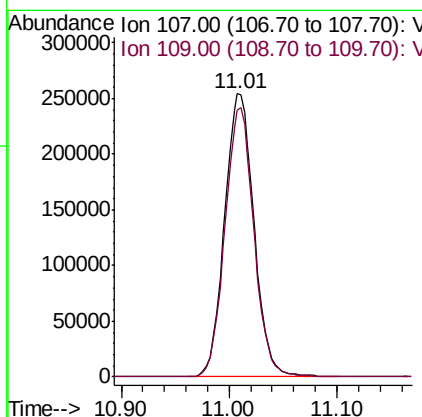
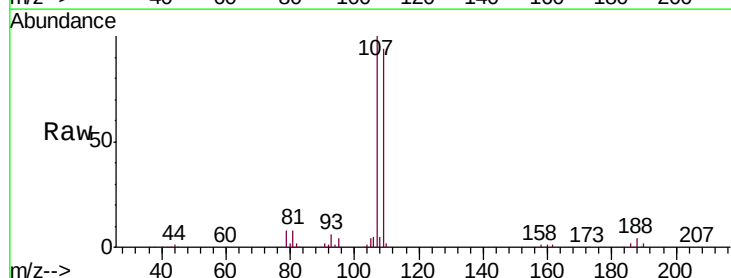
Instrument :
 MSVOA_N
 ClientSampleId :
 1513

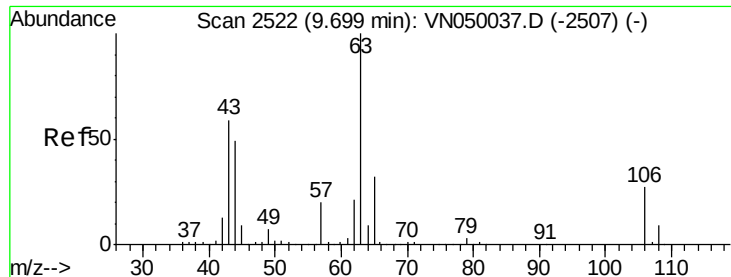
Tot Ion:129 Resp: 659561
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 68.36 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion:107 Resp: 481956
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.2

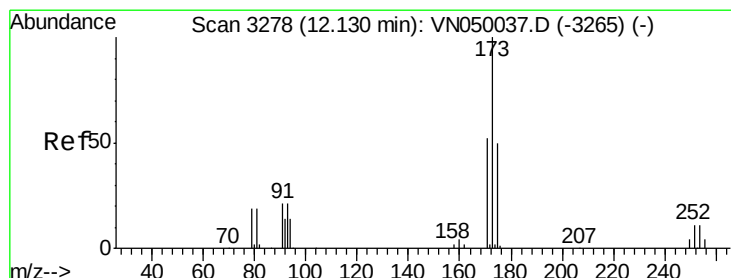
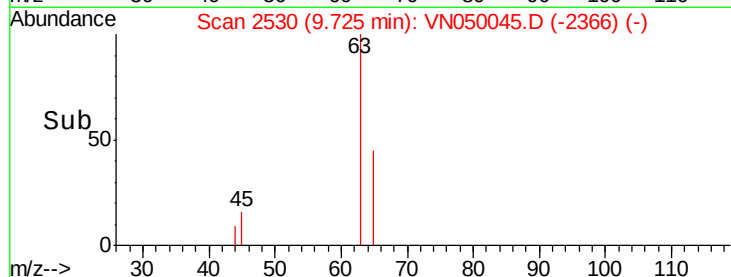
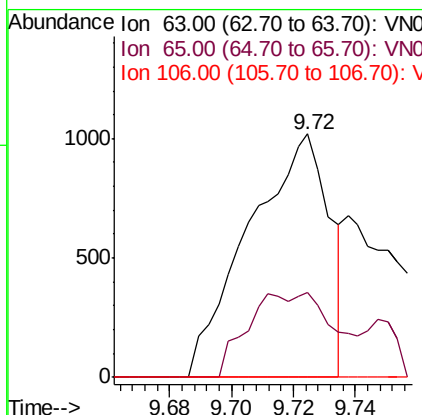
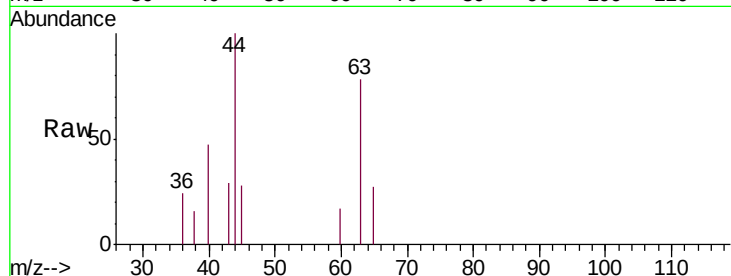




#55
2-Chloroethyl vinyl ether
Concen: 0.47 ug/l
RT: 9.72 min Scan# 2530
Delta R.T. 0.03 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

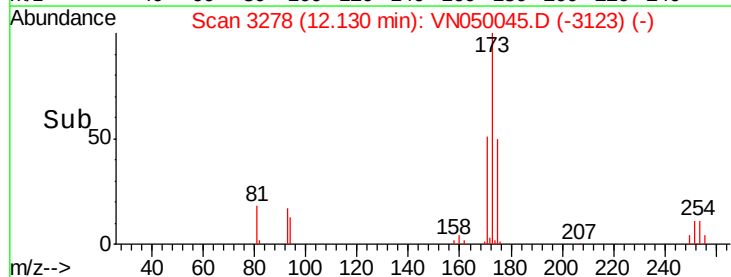
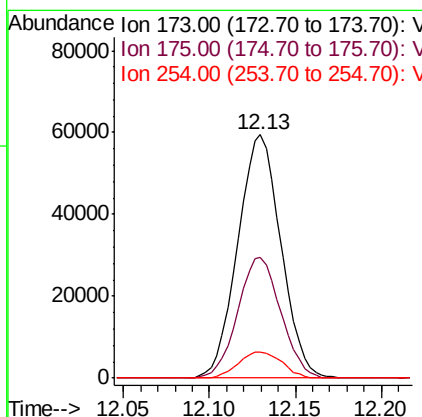
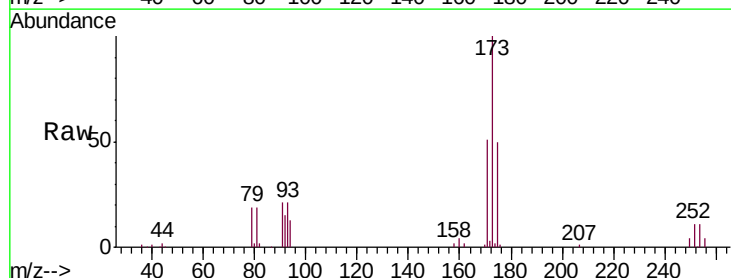
Instrument :
MSVOA_N
ClientSampled :
1513

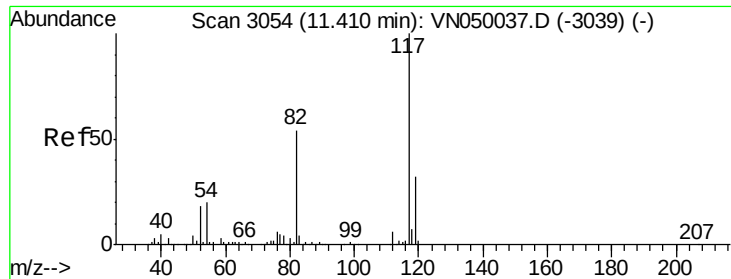
Tot Ion: 63 Resp: 1848
Ion Ratio Lower Upper
63 100
65 19.0 25.5 38.3#
106 0.0 21.8 32.6#



#56
Bromoform
Concen: 17.96 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 173 Resp: 103603
Ion Ratio Lower Upper
173 100
175 49.5 38.6 57.8
254 10.8 8.8 13.2

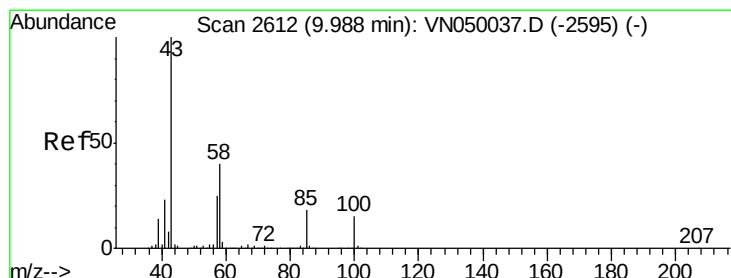
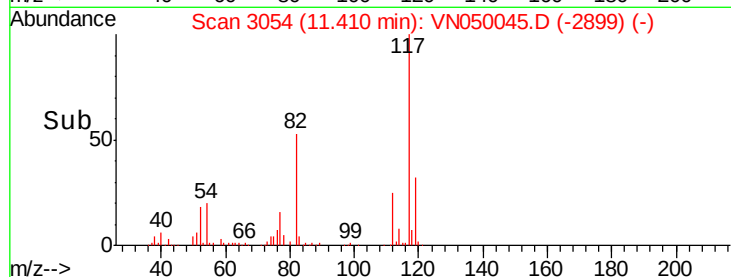
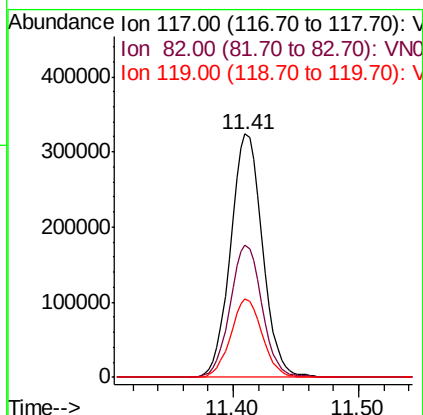
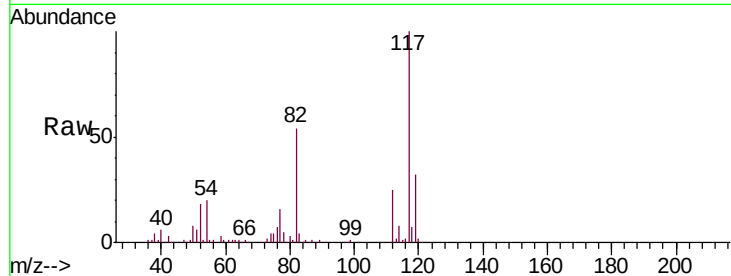




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

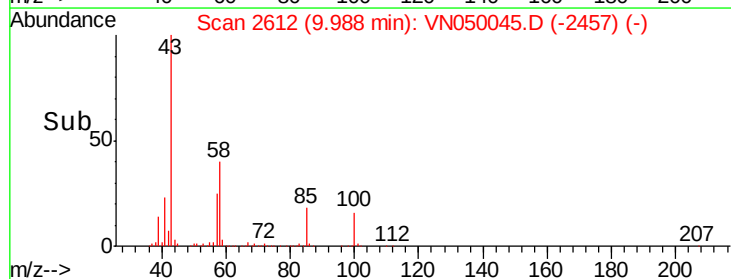
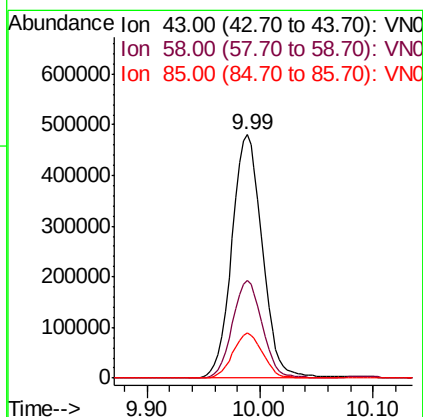
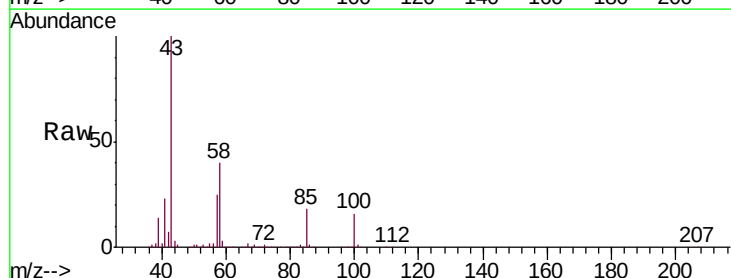
Instrument :
MSVOA_N
ClientSampleId :
1513

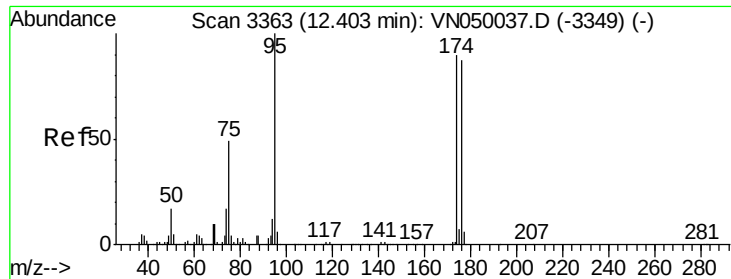
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.4	63.6
119	31.9	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 134.79 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.2	46.8
85	18.4	14.4	21.6

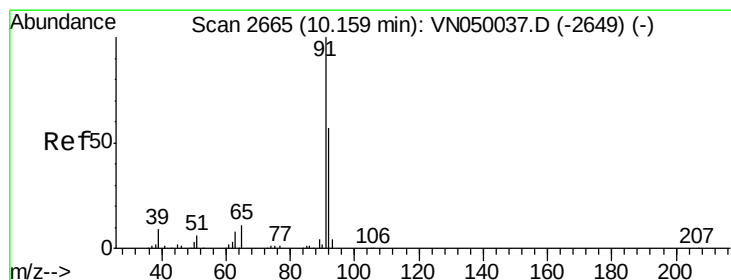
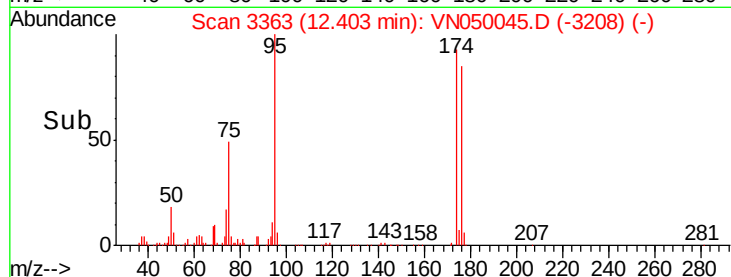
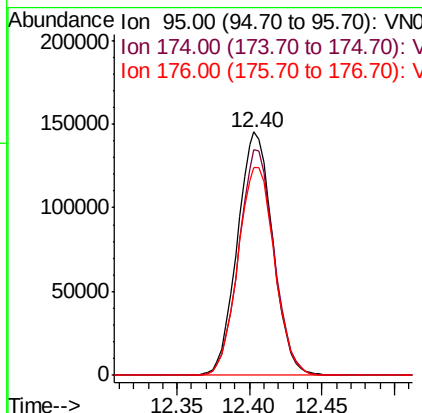
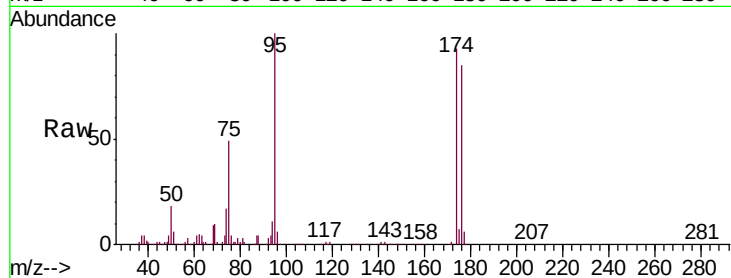




#60
 4-Bromofluorobenzene
 Concen: 28.07 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

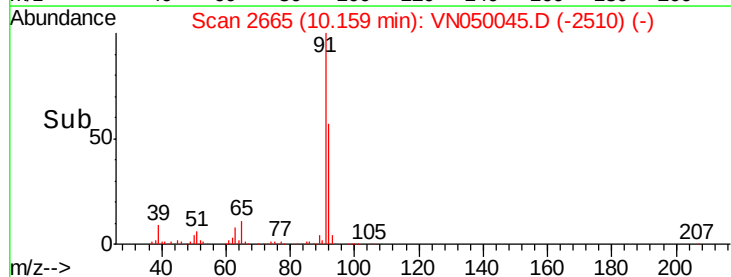
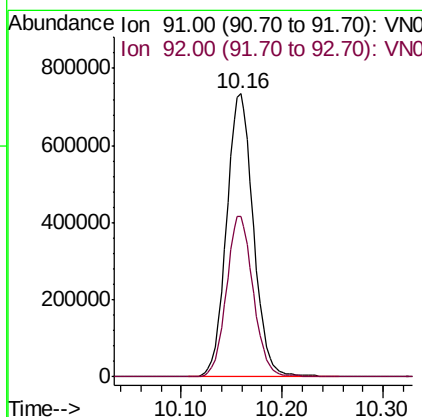
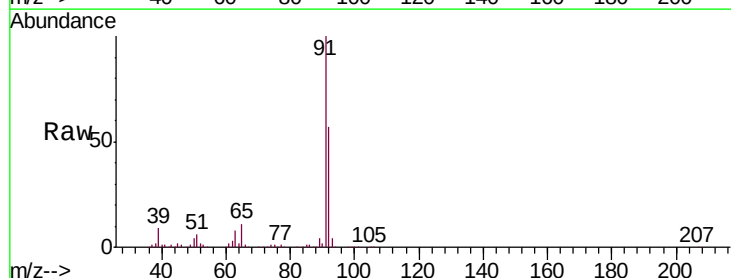
Instrument :
 MSVOA_N
 ClientSampleId :
 1513

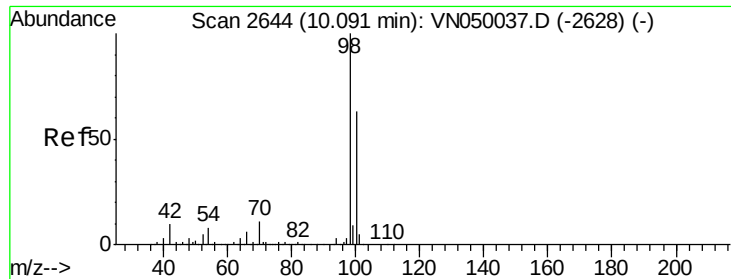
Tot Ion: 95 Resp: 246746
 Ion Ratio Lower Upper
 95 100
 174 92.4 72.3 108.5
 176 88.2 70.0 105.0



#62
 Toluene
 Concen: 41.84 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion: 91 Resp: 1365943
 Ion Ratio Lower Upper
 91 100
 92 56.6 45.7 68.5





#63

Toluene-d8

Concen: 30.64 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

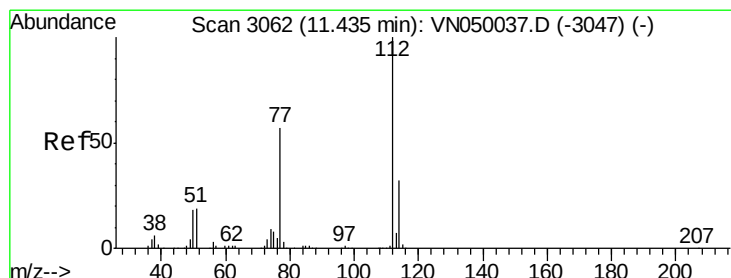
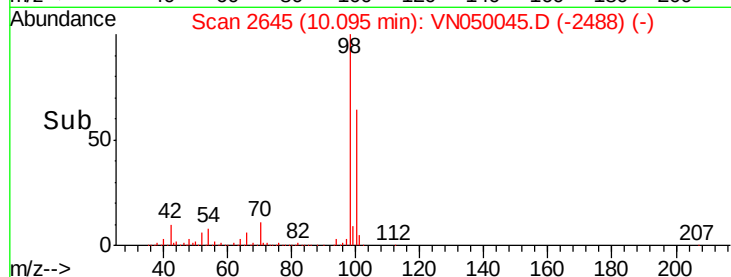
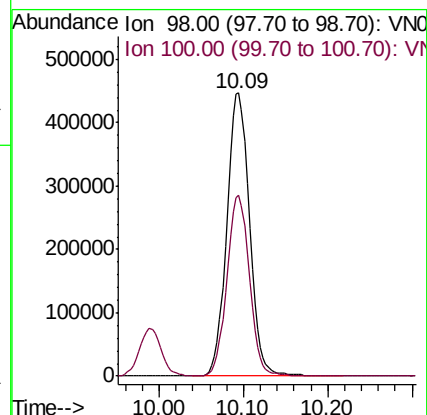
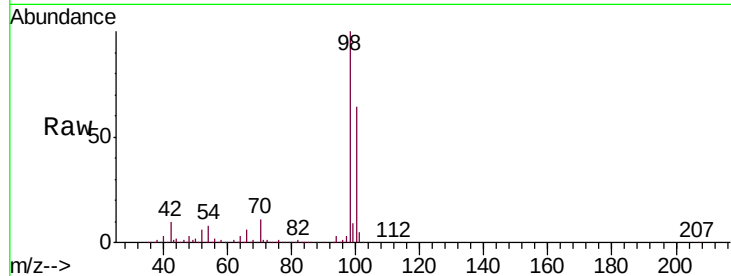
ClientSampleId :
1513

Tot Ion: 98 Resp: 837484

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#64

Chlorobenzene

Concen: 108.10 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050045.D

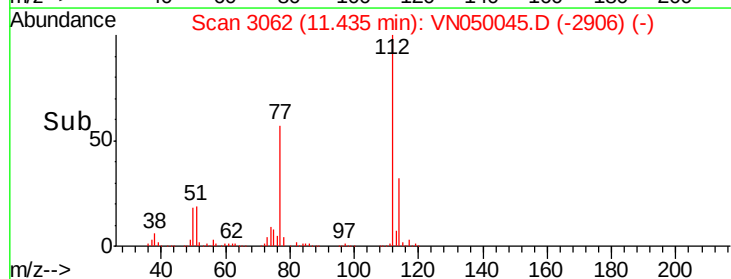
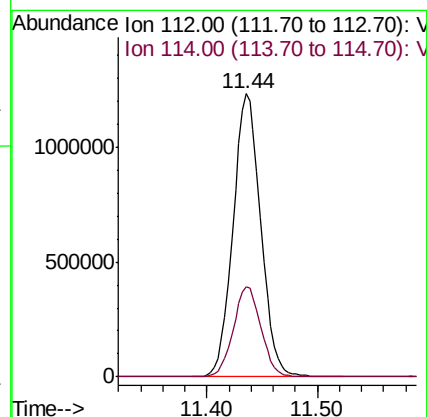
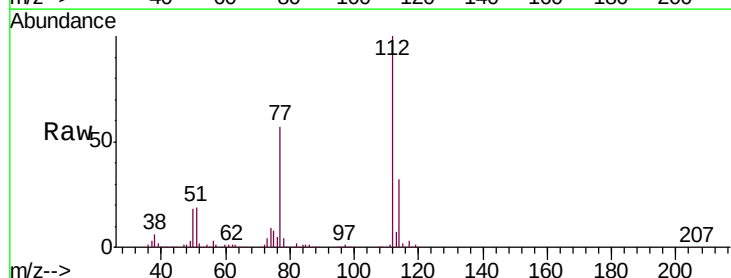
Acq: 25 Jul 2018 14:43

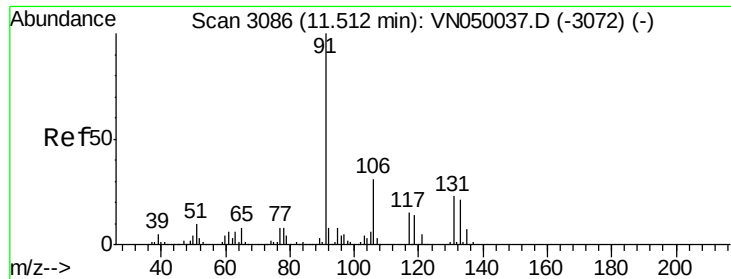
Tgt Ion: 112 Resp: 2139982

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#66

Ethyl Benzene

Concen: 36.86 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

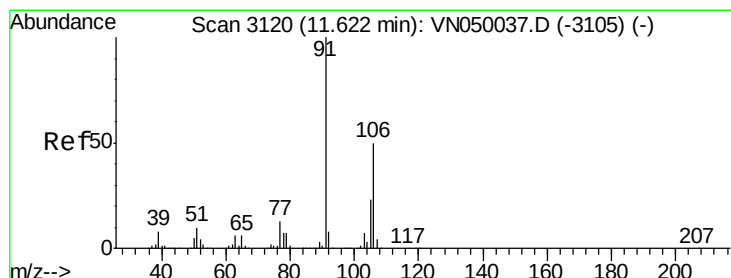
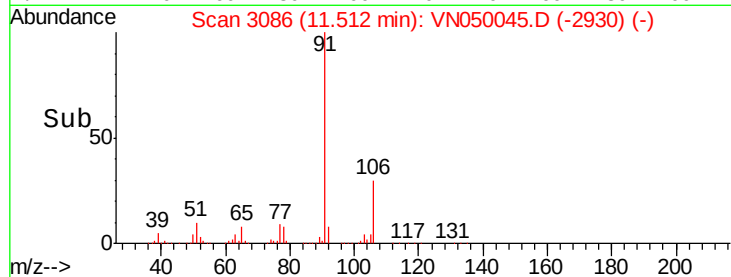
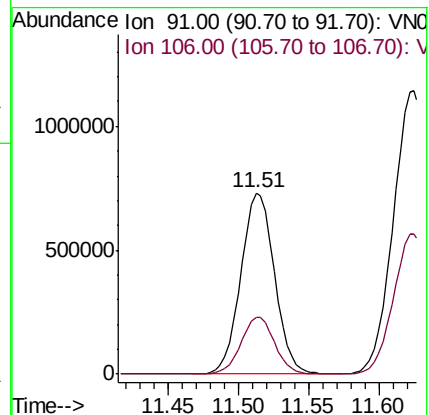
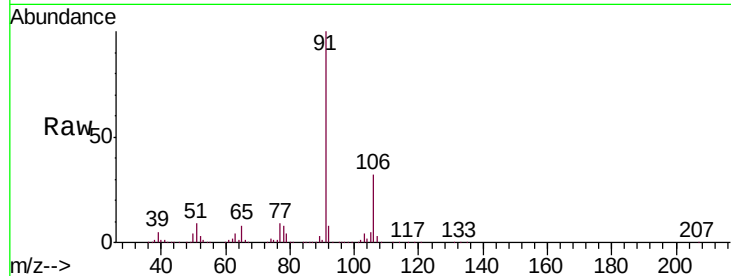
1513

Tot Ion: 91 Resp: 1229635

Ion Ratio Lower Upper

91 100

106 31.5 25.1 37.7



#67

m/p-Xylenes

Concen: 83.07 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050045.D

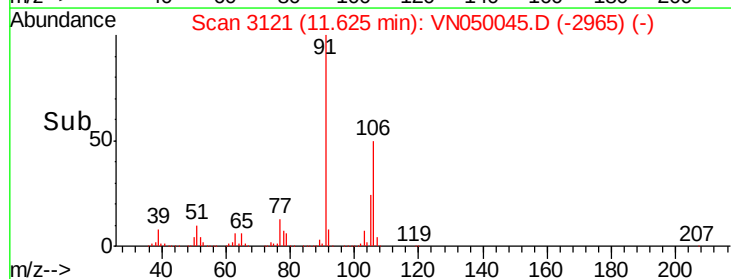
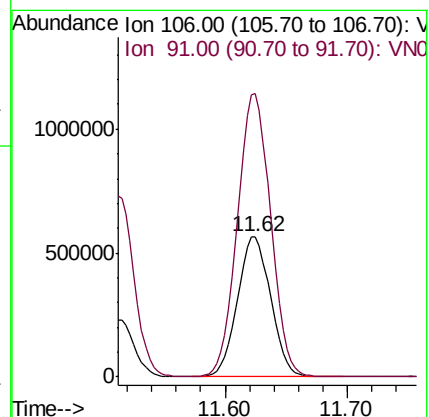
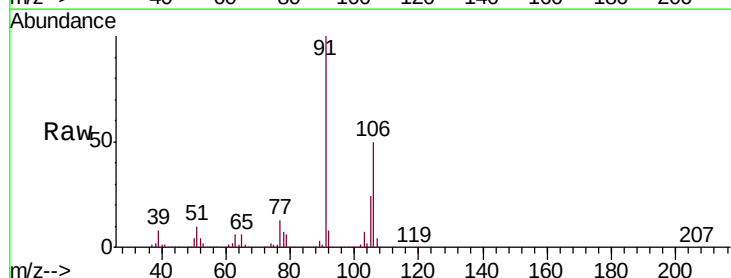
Acq: 25 Jul 2018 14:43

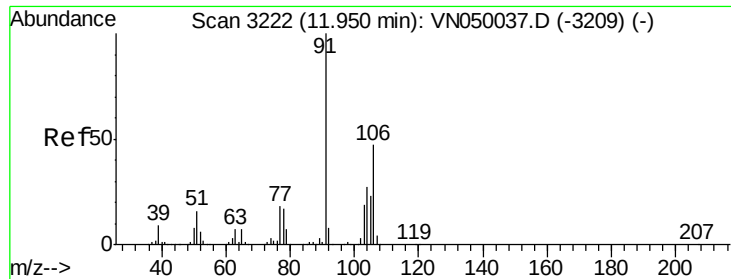
Tgt Ion: 106 Resp: 1066564

Ion Ratio Lower Upper

106 100

91 202.8 162.5 243.7

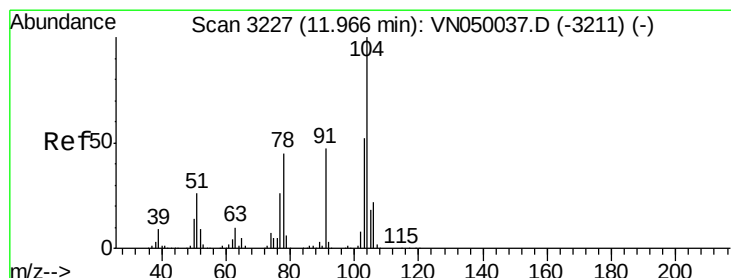
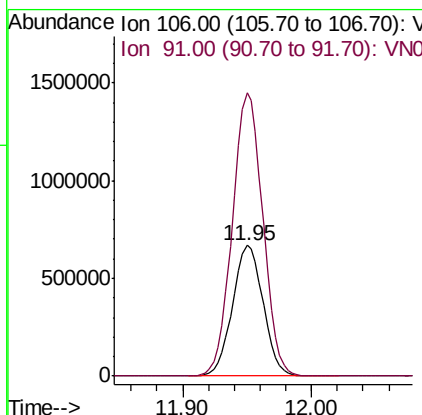
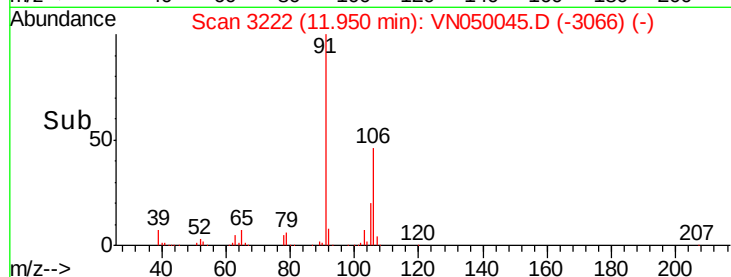
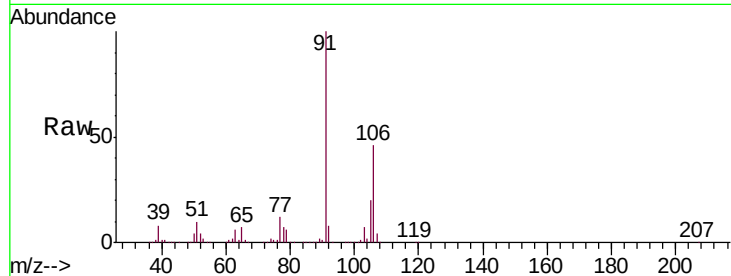




#68
o-Xylene
Concen: 90.41 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

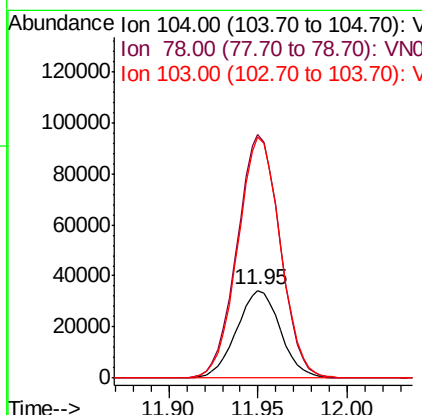
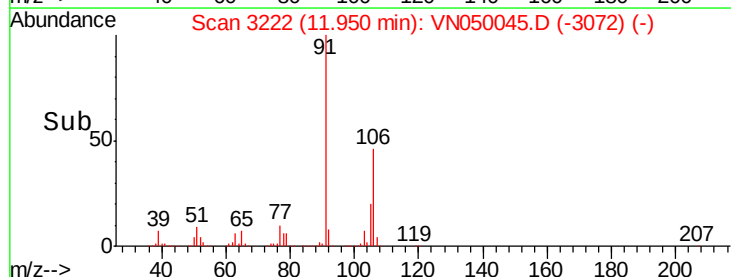
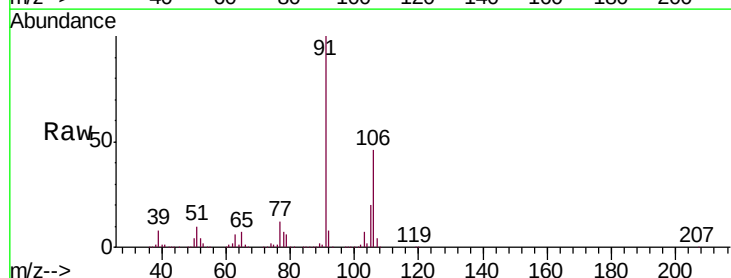
Instrument :
MSVOA_N
ClientSampleId :
1513

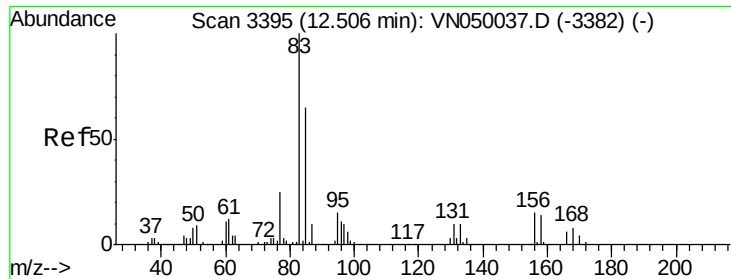
Tot Ion:106 Resp: 1104421
Ion Ratio Lower Upper
106 100
91 215.6 106.8 320.4



#69
Styrene
Concen: 3.01 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion:104 Resp: 58931
Ion Ratio Lower Upper
104 100
78 271.5 39.3 58.9#
103 266.2 44.5 66.7#

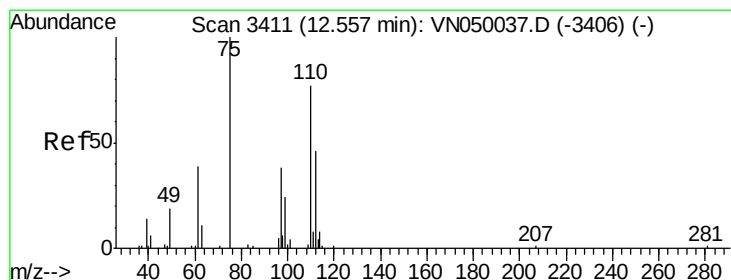
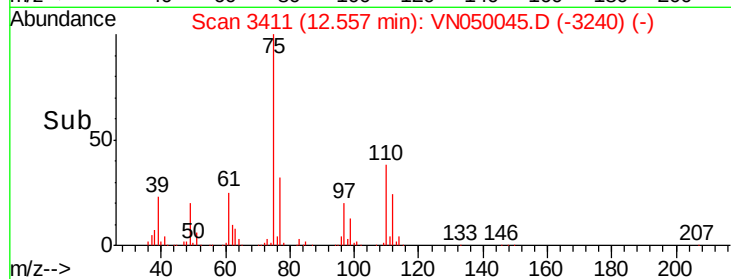
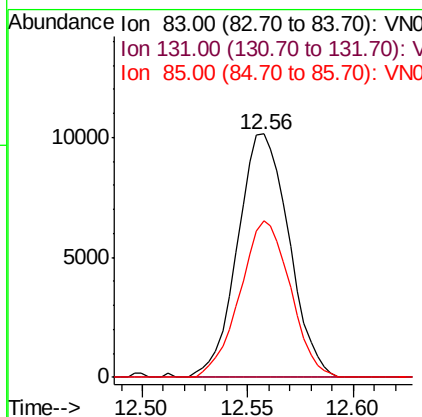
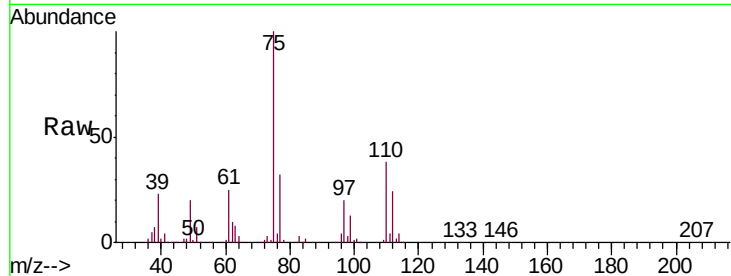




#71
 1,1,2,2-Tetrachloroethane
 Concen: 1.92 ug/l
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.05 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

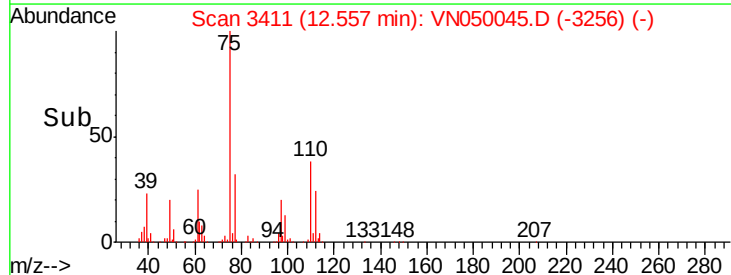
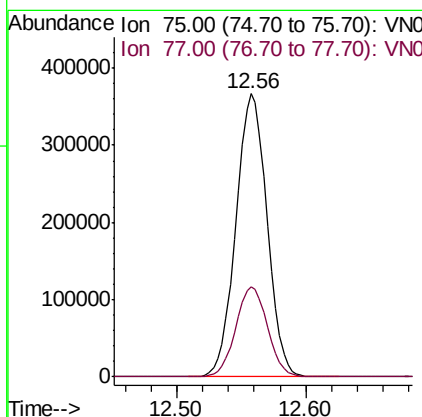
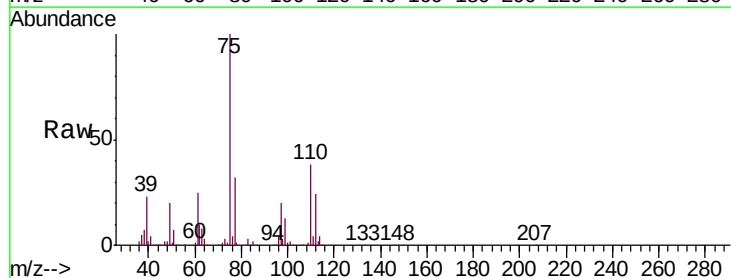
Instrument :
 MSVOA_N
 ClientSampled :
 1513

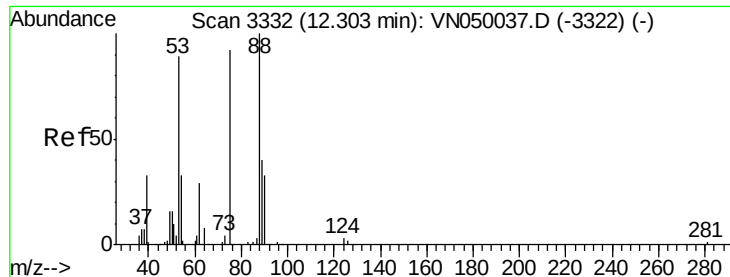
Tot Ion: 83 Resp: 17156
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 63.2 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 83.32 ug/l
 RT: 12.56 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion: 75 Resp: 613686
 Ion Ratio Lower Upper
 75 100
 77 32.3 0.0 454.4

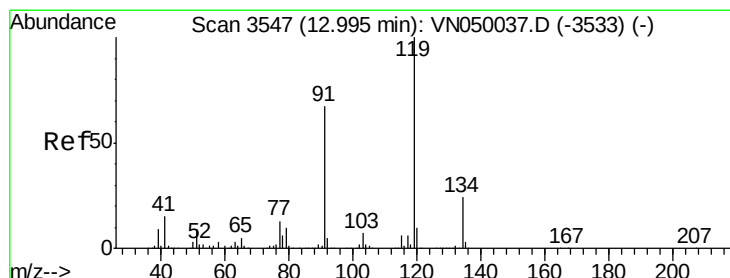
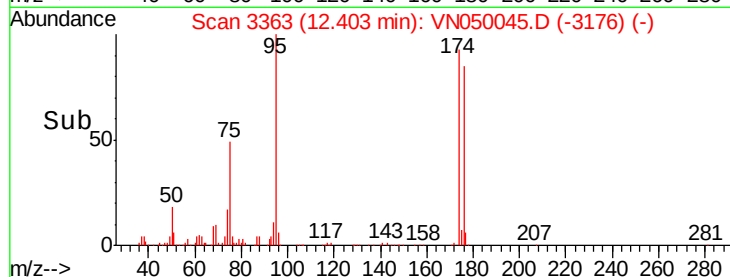
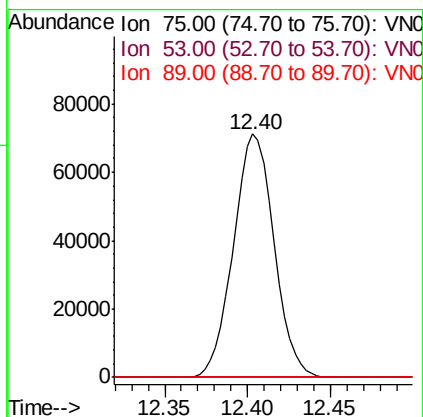
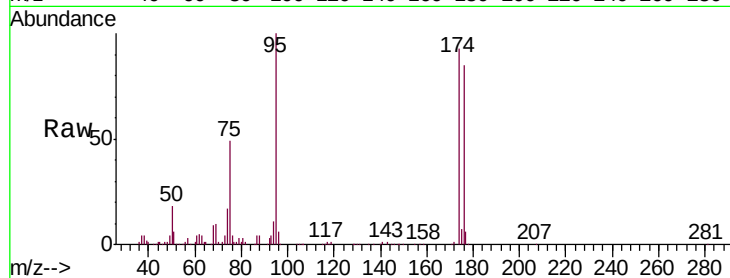




#77
t-1,4-Dichloro-2-butene
Concen: 48.66 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

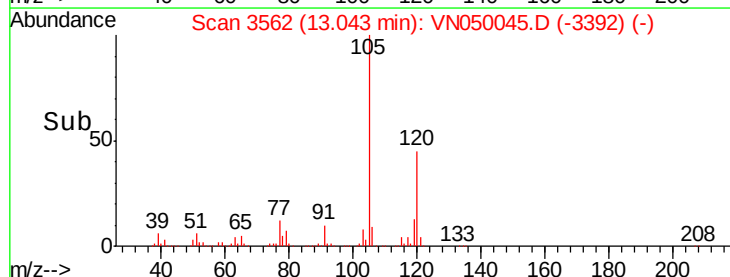
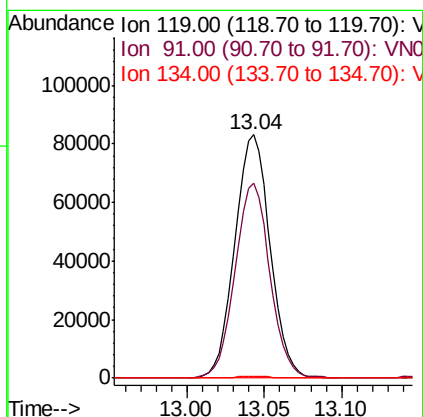
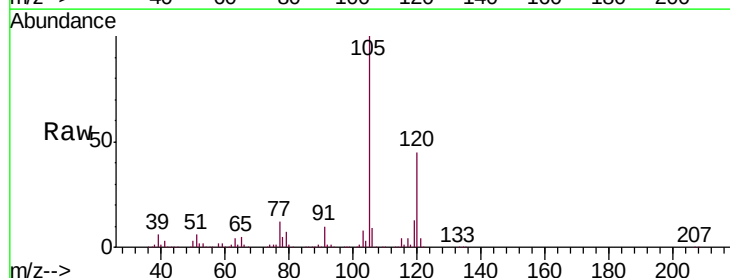
Instrument :
MSVOA_N
ClientSampled :
1513

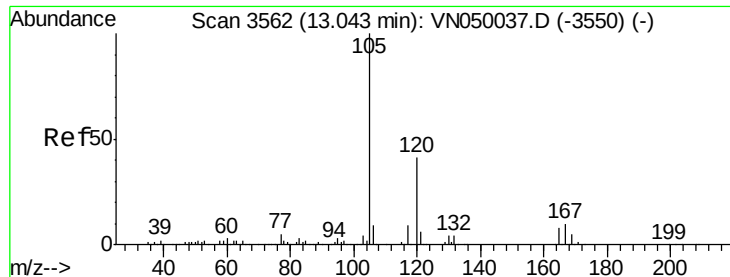
Tot Ion: 75 Resp: 121379
Ion Ratio Lower Upper
75 100
53 0.4 44.6 134.0#
89 0.0 20.7 62.1#



#79
tert-butylbenzene
Concen: 5.76 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.05 min
Lab File: VN050045.D
Acq: 25 Jul 2018 14:43

Tgt Ion: 119 Resp: 131553
Ion Ratio Lower Upper
119 100
91 78.8 0.0 126.8
134 0.7 0.0 47.4

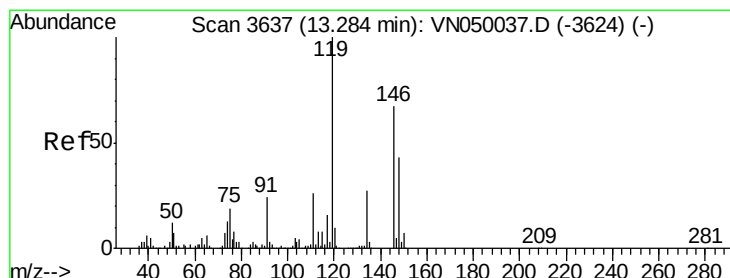
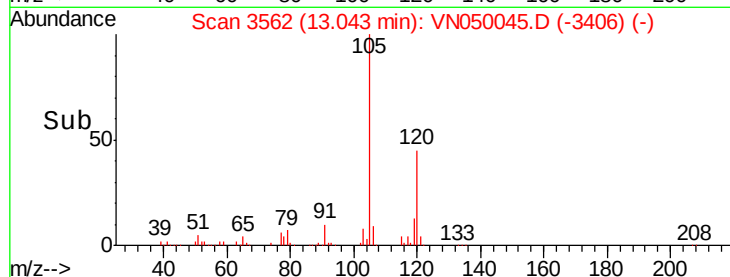
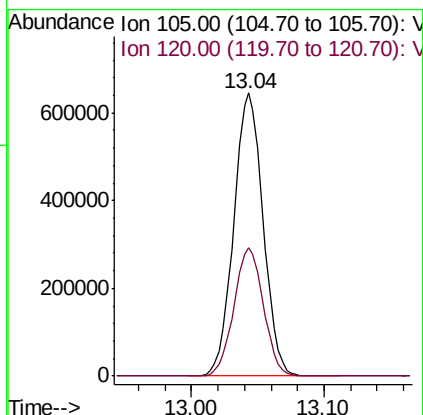
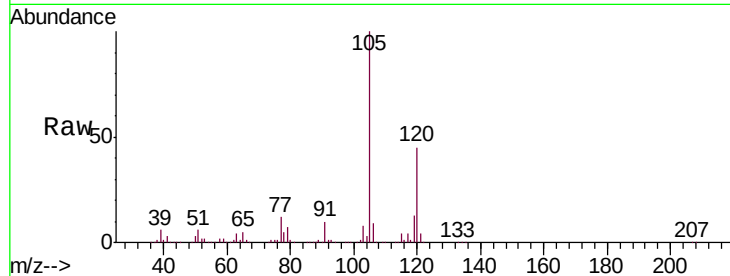




#80
 1,2,4-Trimethylbenzene
 Concen: 36.51 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

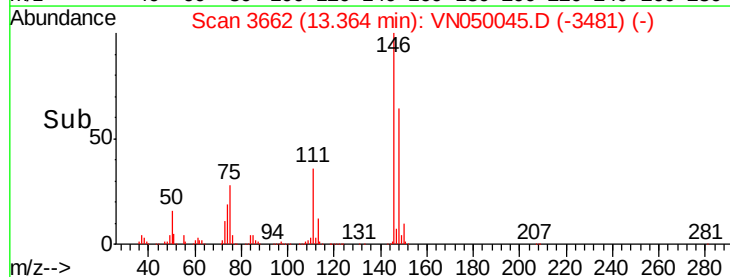
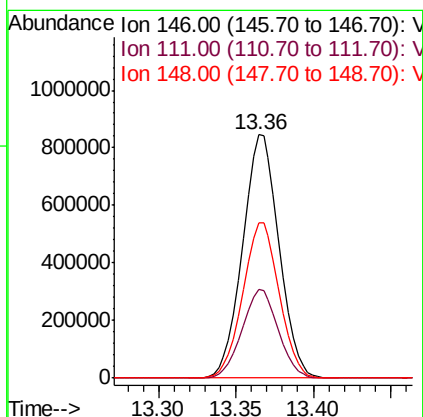
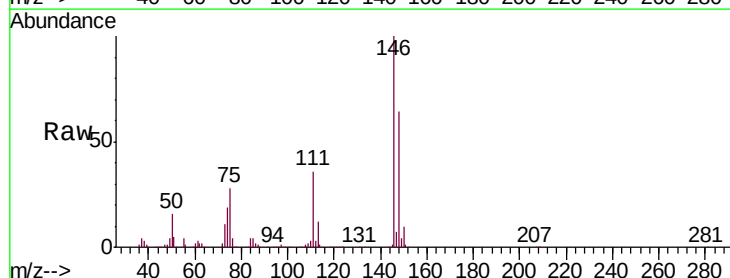
Instrument :
 MSVOA_N
 ClientSampleId :
 1513

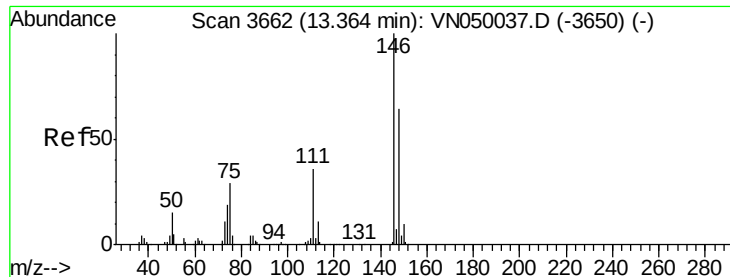
Tot Ion:105 Resp: 988275
 Ion Ratio Lower Upper
 105 100
 120 45.7 0.0 90.6



#83
 1,3-Dichlorobenzene
 Concen: 91.64 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.08 min
 Lab File: VN050045.D
 Acq: 25 Jul 2018 14:43

Tgt Ion:146 Resp: 1382844
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.1 57.1
 148 63.9 31.9 95.9





#84

1,4-Dichlorobenzene

Concen: 96.97 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

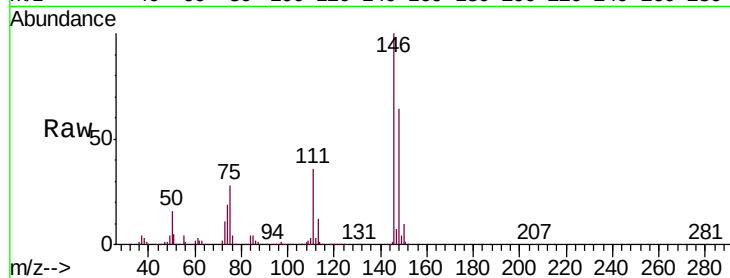
Tot Ion:146 Resp: 1382844

Ion Ratio Lower Upper

146 100

111 36.2 17.9 53.8

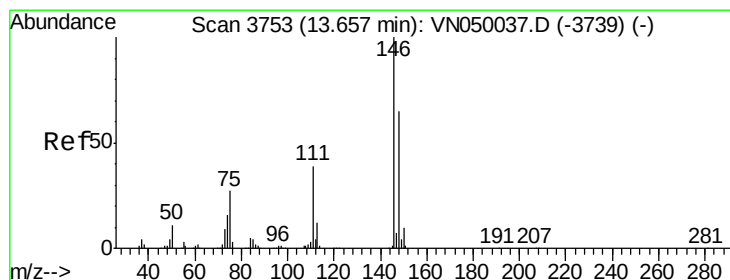
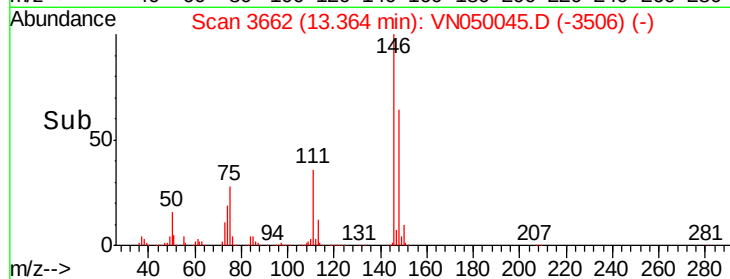
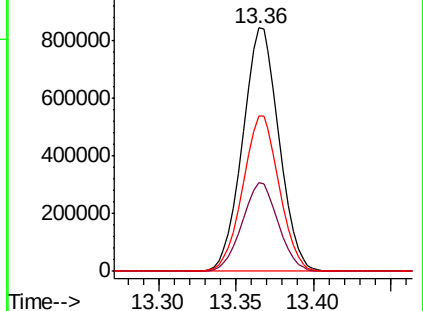
148 63.9 32.4 97.0



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



#87

1,2-Dichlorobenzene

Concen: 70.82 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

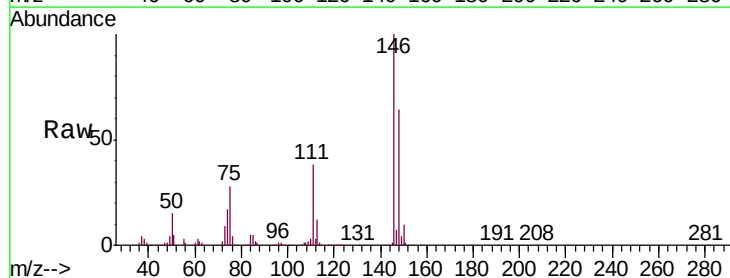
Tgt Ion:146 Resp: 1044622

Ion Ratio Lower Upper

146 100

111 38.8 19.8 59.3

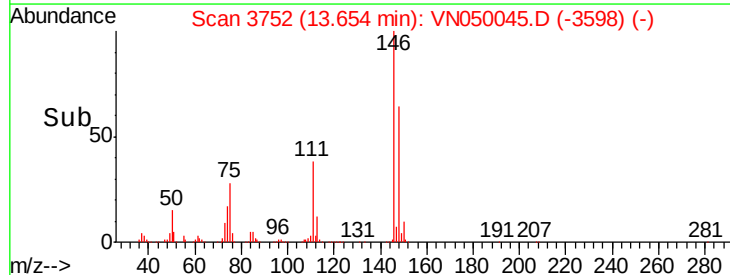
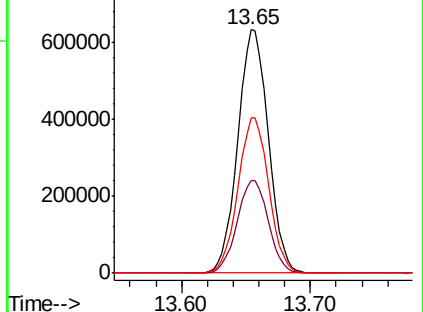
148 64.0 31.8 95.3

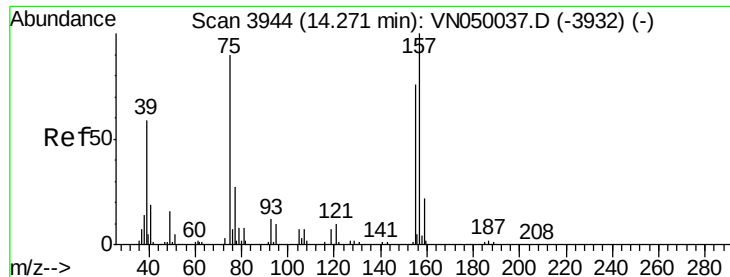


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.06 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

1513

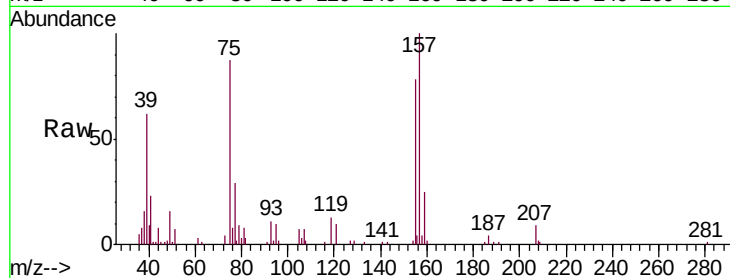
Tot Ion: 75 Resp: 25128

Ion Ratio Lower Upper

75 100

155 88.7 73.0 109.6

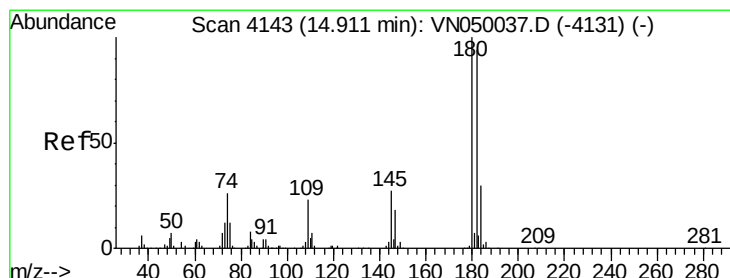
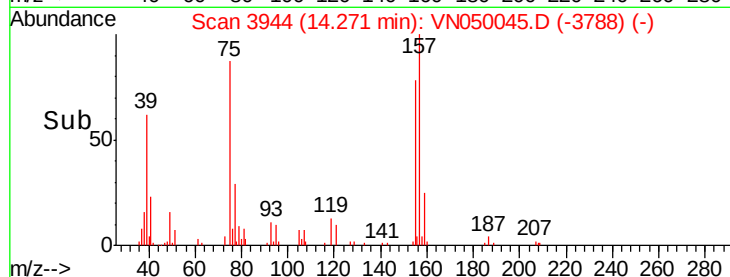
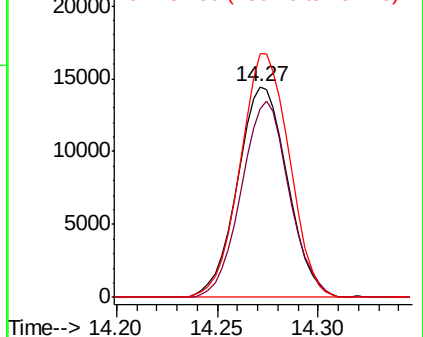
157 113.5 94.9 142.3



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3932) (-)

Ion 155.00 (154.70 to 155.70): VN050037.D (-3932) (-)

Ion 157.00 (156.70 to 157.70): VN050037.D (-3932) (-)



#89

1,2,4-Trichlorobenzene

Concen: 100.70 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

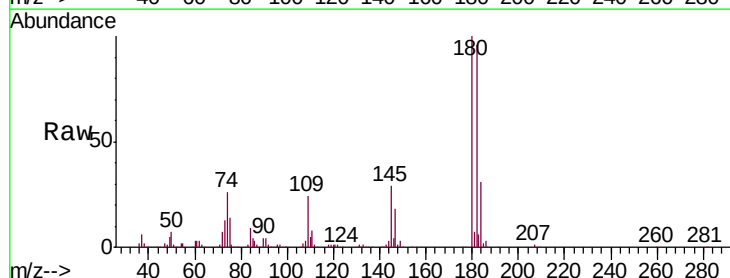
Tgt Ion: 180 Resp: 709417

Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

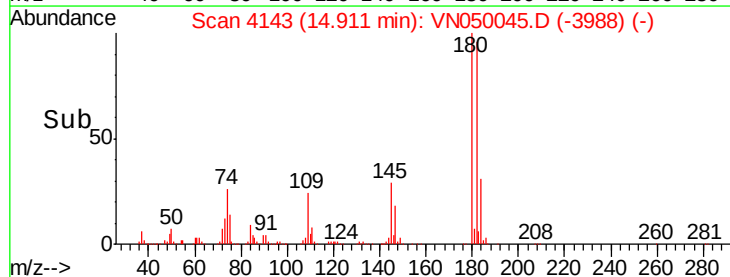
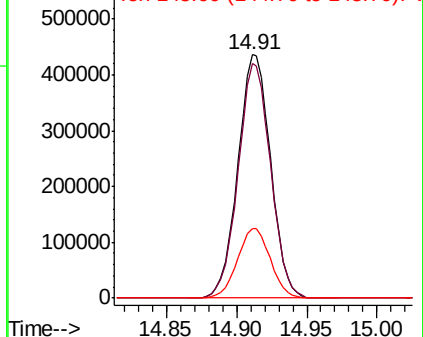
145 28.7 23.4 35.0

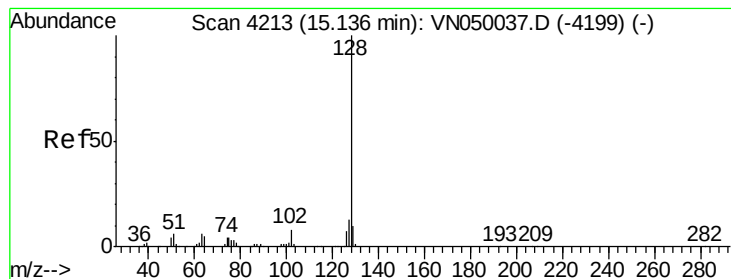


Abundance Ion 180.00 (179.70 to 180.70): VN050037.D (-4131) (-)

Ion 182.00 (181.70 to 182.70): VN050037.D (-4131) (-)

Ion 145.00 (144.70 to 145.70): VN050037.D (-4131) (-)





#91

Naphthalene

Concen: 100.62 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :
1513

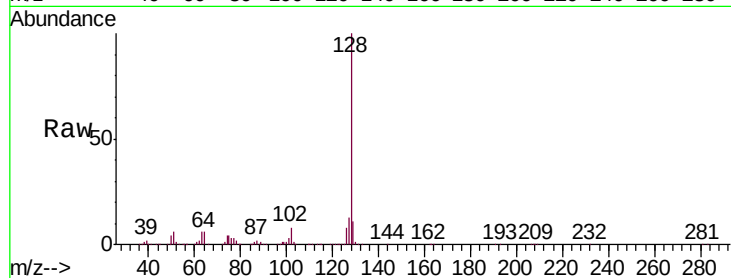
Tot Ion:128 Resp: 2053004

Ion Ratio Lower Upper

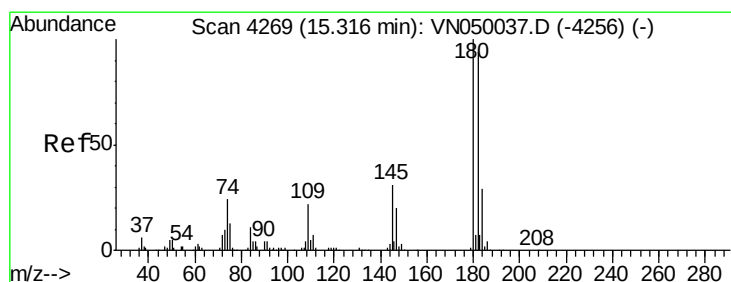
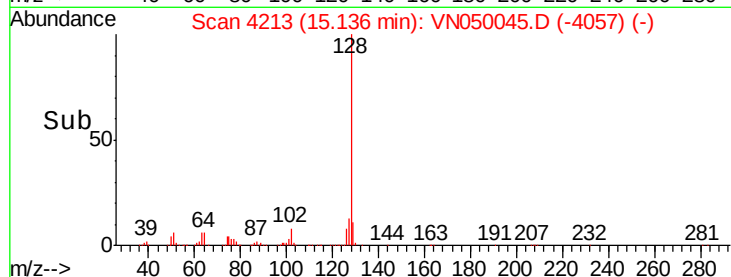
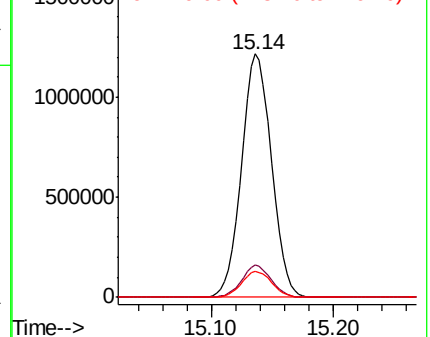
128 100

127 13.0 10.2 15.4

129 10.9 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.74 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050045.D

Acq: 25 Jul 2018 14:43

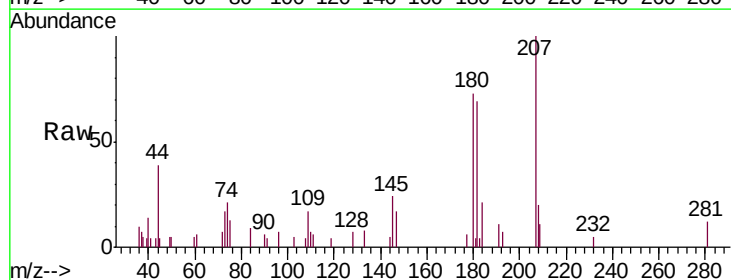
Tgt Ion:180 Resp: 5292

Ion Ratio Lower Upper

180 100

182 89.9 0.0 188.8

145 27.0 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

