

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049235.D
 Acq On : 14 Jun 2018 18:25
 Operator : MD\SY
 Sample : VN0614WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:05:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	880469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1401572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1272432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	605913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	687084	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.59	113	563325	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.09	98	2143280	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.40	95	696050	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	233990	18.45	ug/l	99
3) Chloromethane	2.06	50	230731	17.81	ug/l	99
4) Vinyl Chloride	2.18	62	239271	18.01	ug/l	100
5) Bromomethane	2.57	94	104528	12.95	ug/l	97
6) Chloroethane	2.70	64	160428	17.88	ug/l	94
7) Trichlorofluoromethane	3.01	101	339713	18.16	ug/l	98
8) Diethyl Ether	3.41	74	144523	20.80	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	241468	19.94	ug/l	98
10) Methyl Iodide	3.95	142	183107	15.55	ug/l	94
11) Tert butyl alcohol	4.81	59	86754	111.95	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	221754	20.16	ug/l	99
13) Acrolein	3.61	56	105397	99.89	ug/l	100
14) Allyl chloride	4.32	41	413063	20.00	ug/l	91
15) Acrylonitrile	5.00	53	437862	104.98	ug/l	100
16) Acetone	3.82	43	349208	102.80	ug/l	95
17) Carbon Disulfide	4.05	76	700065	18.66	ug/l	100
18) Methyl Acetate	4.33	43	230147	21.49	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	625393	20.87	ug/l	98
20) Methylene Chloride	4.55	84	262008	18.99	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	233812	19.18	ug/l	98
22) Diisopropyl ether	5.96	45	857705	20.81	ug/l	99
23) Vinyl Acetate	5.90	43	2863043	105.07	ug/l	99
24) 1,1-Dichloroethane	5.85	63	492955	20.07	ug/l	98
25) 2-Butanone	6.84	43	515616	106.00	ug/l	100
26) 2,2-Dichloropropane	6.82	77	378624	20.55	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	266589	20.08	ug/l	98
28) Bromochloromethane	7.20	49	228709	19.62	ug/l	98
29) Tetrahydrofuran	7.22	42	339105	108.36	ug/l	99
30) Chloroform	7.37	83	471853	19.99	ug/l	100
31) Cyclohexane	7.66	56	435873	20.39	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	397451	19.55	ug/l	99
36) 1,1-Dichloropropene	7.79	75	354619	20.25	ug/l	99
37) Ethyl Acetate	6.94	43	231169	20.91	ug/l	99
38) Carbon Tetrachloride	7.77	117	342132	19.39	ug/l	97

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 ClientSampleId :

Quant Time: Jun 15 04:05:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	359857	19.89	ug/l	99
40) Benzene	8.04	78	1056530	19.91	ug/l	99
41) Methacrylonitrile	7.18	41	130400	20.85	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	344185	19.66	ug/l	98
43) Isopropyl Acetate	8.17	43	441329	21.71	ug/l	98
44) Trichloroethene	8.84	130	256763	19.38	ug/l	98
45) 1,2-Dichloropropane	9.12	63	289308	19.83	ug/l	100
46) Dibromomethane	9.21	93	162779	20.19	ug/l	97
47) Bromodichloromethane	9.40	83	359957	19.82	ug/l	97
48) Methyl methacrylate	9.20	41	192426	19.38	ug/l	92
49) 1,4-Dioxane	9.20	88	46256	394.40	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1146714	105.94	ug/l	98
52) Toluene	10.16	92	632011	20.47	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	342309	19.83	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	408165	20.40	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	227622	20.09	ug/l	97
56) Ethyl methacrylate	10.43	69	286600	20.99	ug/l	94
57) 1,3-Dichloropropane	10.71	76	391270	20.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	447492	94.91	ug/l	100
59) 2-Hexanone	10.76	43	711690	105.52	ug/l	98
60) Dibromochloromethane	10.90	129	245760	19.56	ug/l	100
61) 1,2-Dibromoethane	11.01	107	212550	20.29	ug/l	98
64) Tetrachloroethene	10.63	164	257955	20.23	ug/l	97
65) Chlorobenzene	11.44	112	648628	19.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	247249	19.80	ug/l	98
67) Ethyl Benzene	11.51	91	1152809	20.36	ug/l	99
68) m/p-Xylenes	11.62	106	877401	42.37	ug/l	97
69) o-Xylene	11.95	106	413380	20.73	ug/l	100
70) Styrene	11.97	104	660017	20.90	ug/l	100
71) Bromoform	12.13	173	155793	19.96	ug/l #	99
73) Isopropylbenzene	12.25	105	1111740	19.10	ug/l	98
74) N-amyl acetate	12.07	43	318769	19.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	271491	21.20	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	337755	32.87	ug/l #	100
77) Bromobenzene	12.53	156	264618	20.56	ug/l	98
78) n-propylbenzene	12.59	91	1272523	19.68	ug/l	100
79) 2-Chlorotoluene	12.68	91	774647	19.00	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	901537	20.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69329	19.12	ug/l	94
82) 4-Chlorotoluene	12.78	91	752843	19.47	ug/l	100
83) tert-Butylbenzene	13.00	119	747894	19.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	900881	20.31	ug/l	99
85) sec-Butylbenzene	13.17	105	1011477	19.74	ug/l	99
86) p-Isopropyltoluene	13.29	119	841051	20.26	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	442106	19.42	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	431365	19.24	ug/l	99
89) n-Butylbenzene	13.62	91	633705	18.46	ug/l	99
90) Hexachloroethane	13.88	117	173592	19.64	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	442024	19.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39257	19.39	ug/l	98

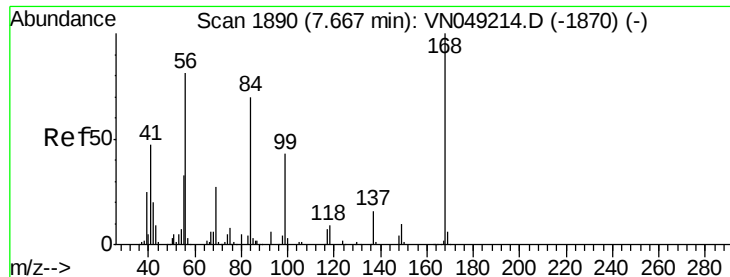
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
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Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141556	17.81	ug/l	100
94) Hexachlorobutadiene	15.01	225	123781	18.28	ug/l	99
95) Naphthalene	15.14	128	314163	18.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	156027	17.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

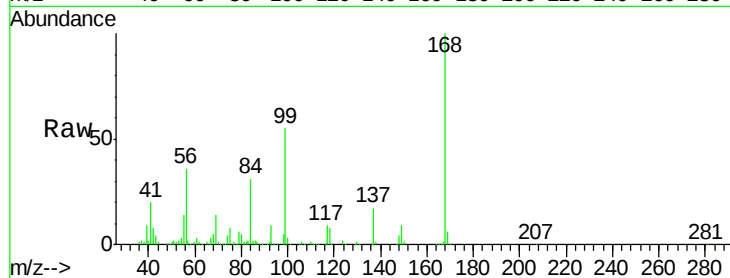
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 880469

Ion Ratio Lower Upper

168 100

99 54.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

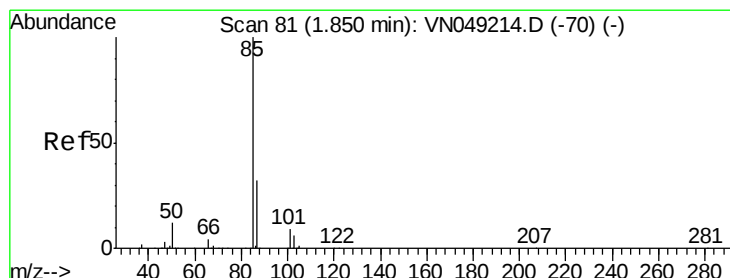
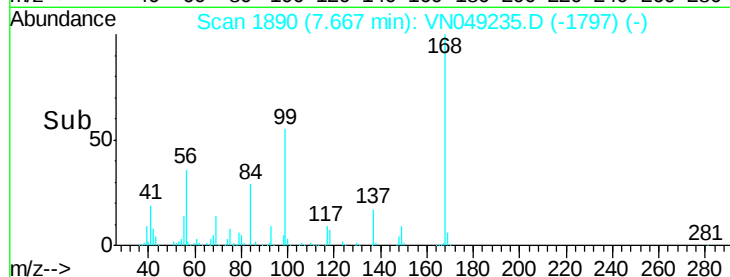
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.45 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049235.D

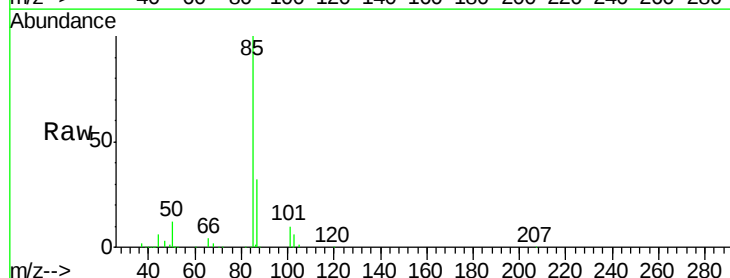
Acq: 14 Jun 2018 18:25

Tgt Ion: 85 Resp: 233990

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

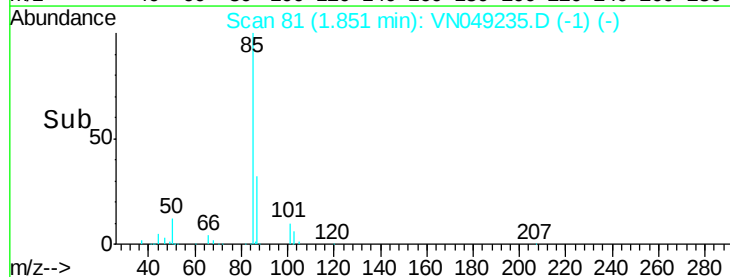
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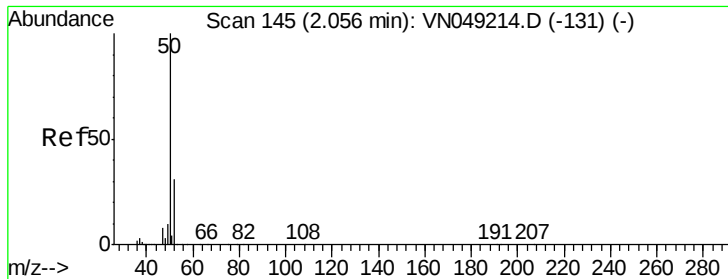
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.81 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

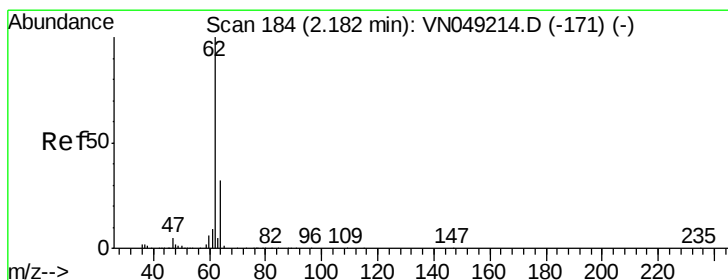
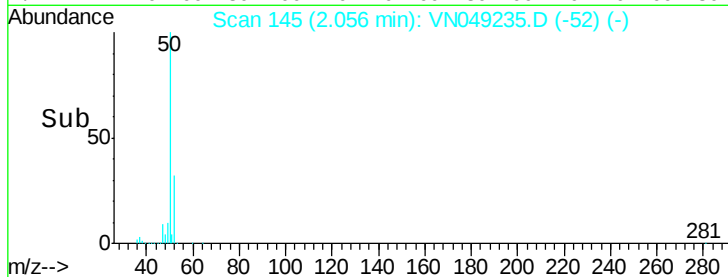
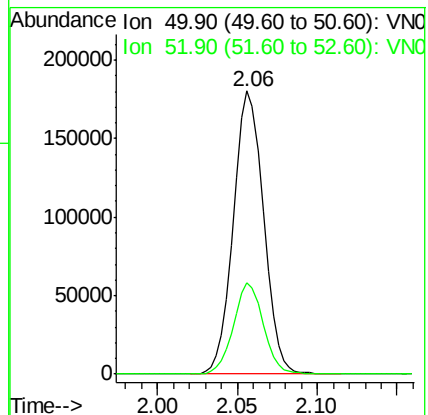
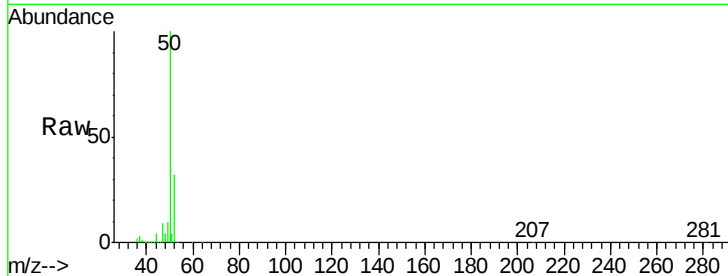
ClientSampled :

Tot Ion: 50 Resp: 230731

Ion Ratio Lower Upper

50 100

52 32.2 25.2 37.8



#4

Vinyl Chloride

Concen: 18.01 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049235.D

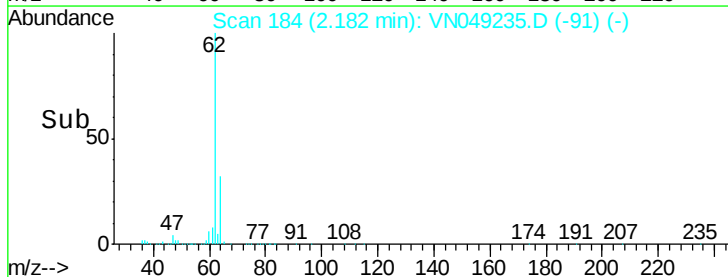
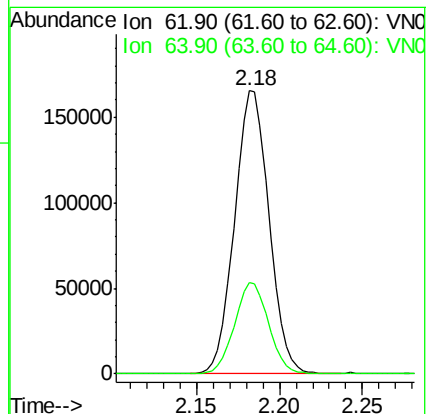
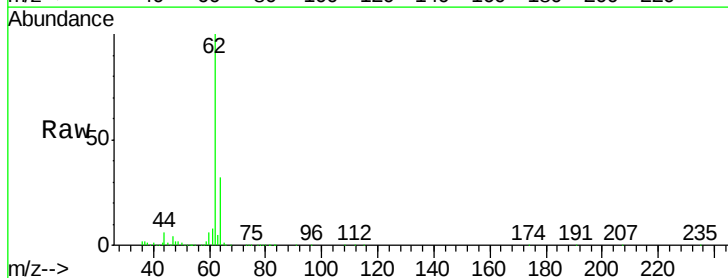
Acq: 14 Jun 2018 18:25

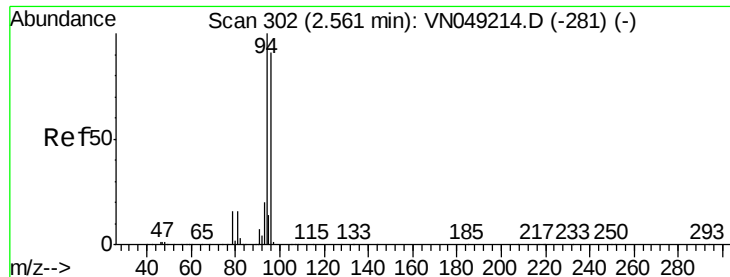
Tgt Ion: 62 Resp: 239271

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 12.95 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

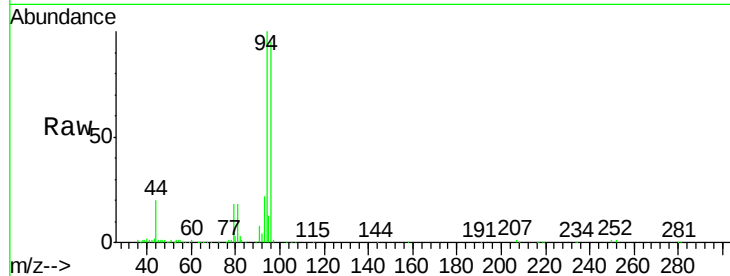
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 104528

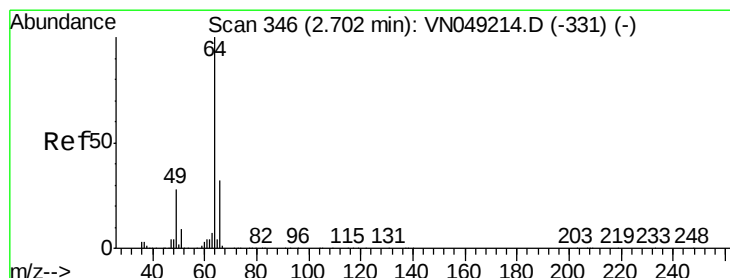
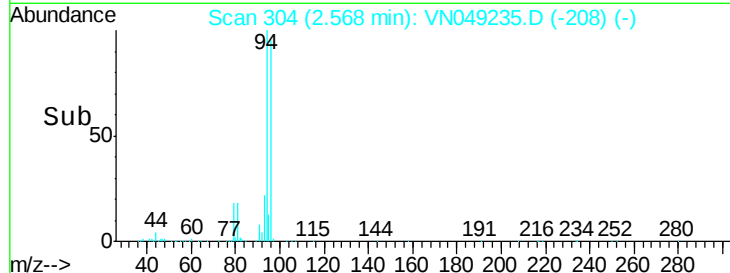
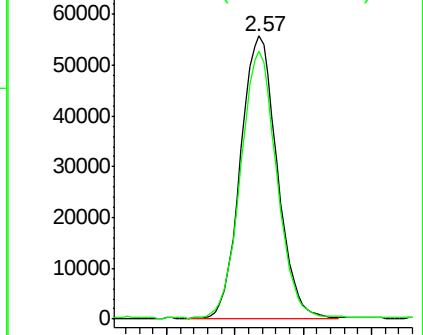
Ion Ratio Lower Upper

94 100

96 94.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.88 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049235.D

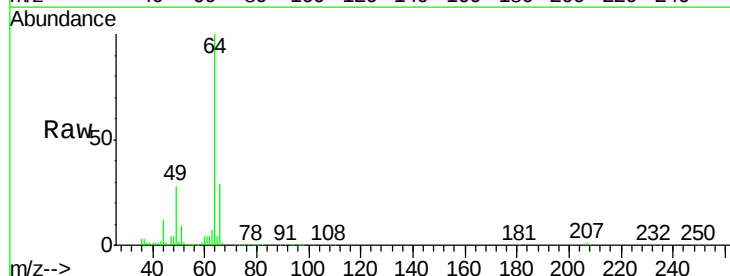
Acq: 14 Jun 2018 18:25

Tgt Ion: 64 Resp: 160428

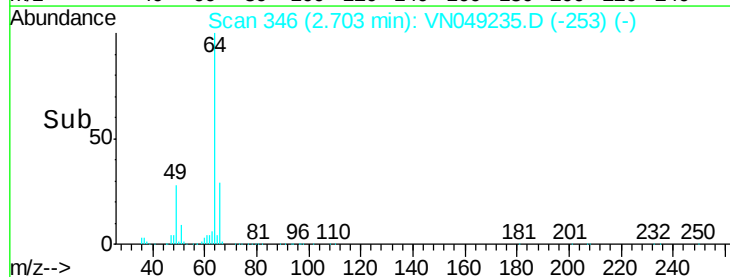
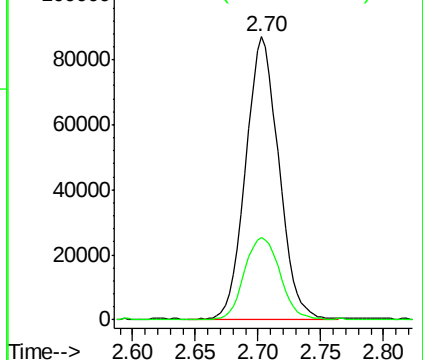
Ion Ratio Lower Upper

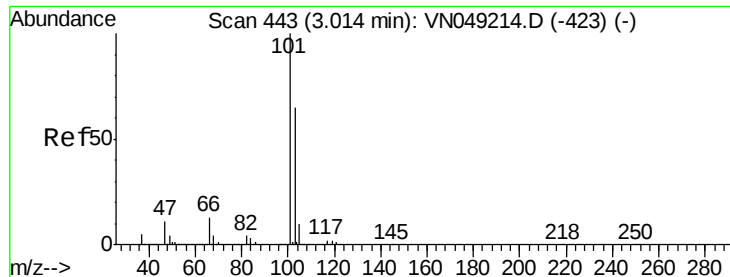
64 100

66 28.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



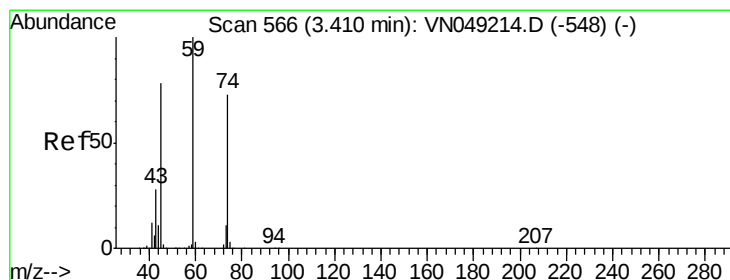
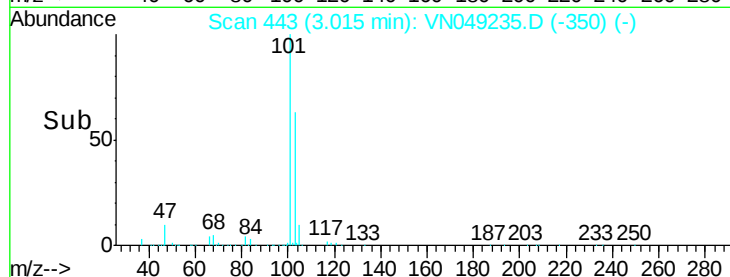
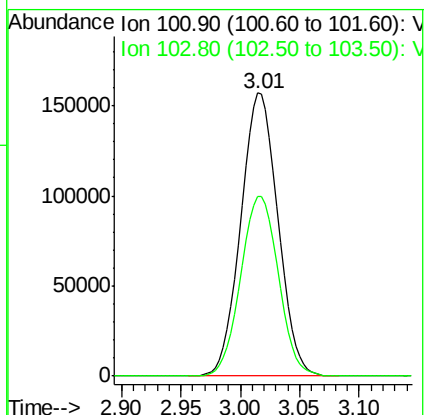
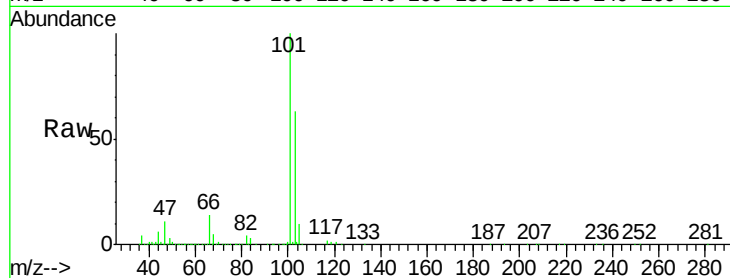


#7

Trichlorofluoromethane
 Concen: 18.16 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :

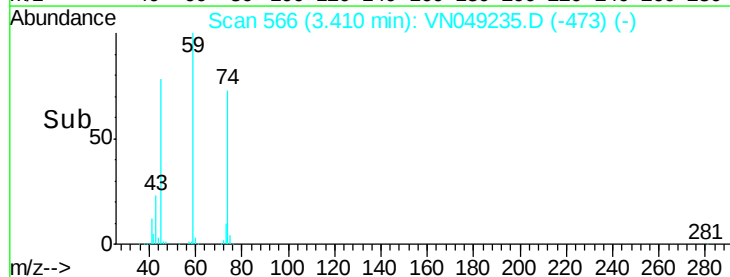
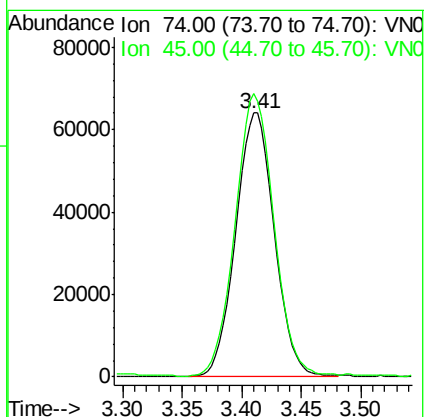
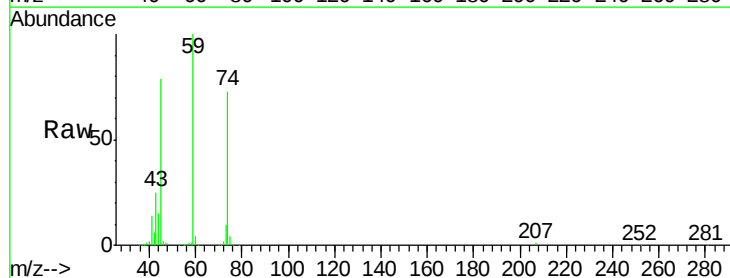
Tot Ion:101 Resp: 339713
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.7 77.5

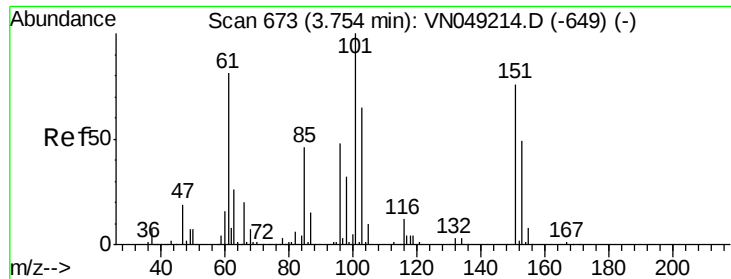


#8

Diethyl Ether
 Concen: 20.80 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 74 Resp: 144523
 Ion Ratio Lower Upper
 74 100
 45 106.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.94 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

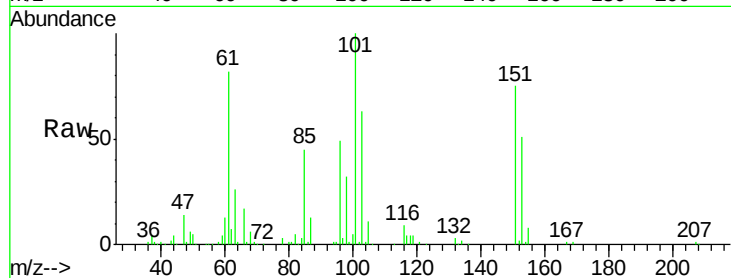
Tot Ion:101 Resp: 241468

Ion Ratio Lower Upper

101 100

85 44.2 37.6 56.4

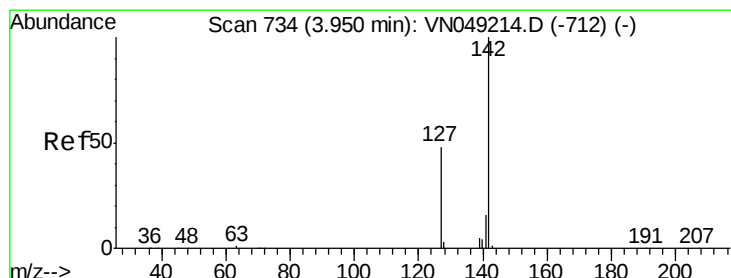
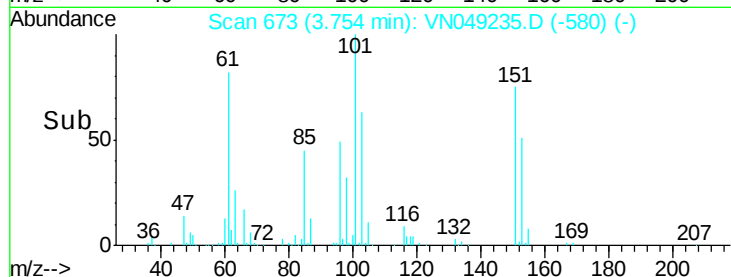
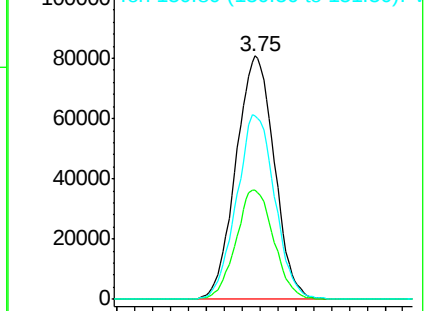
151 75.7 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.55 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

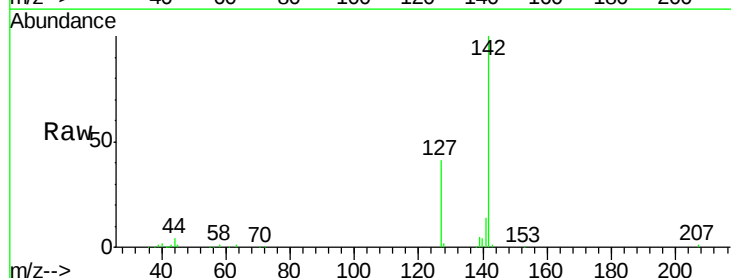
Tgt Ion:142 Resp: 183107

Ion Ratio Lower Upper

142 100

127 43.2 38.2 57.4

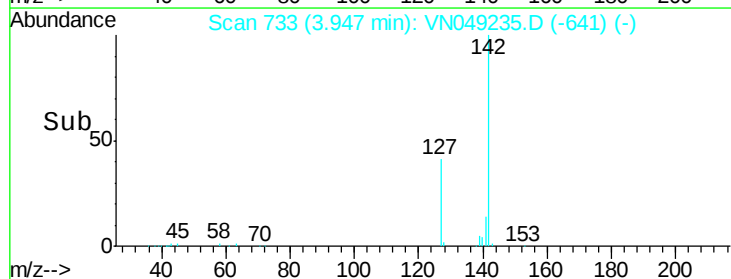
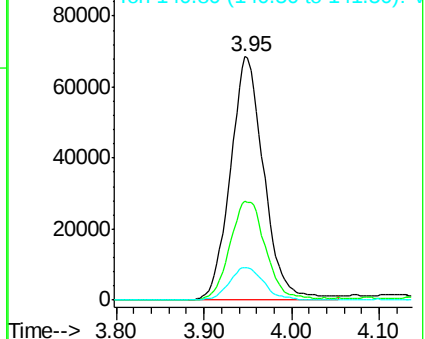
141 13.9 11.9 17.9

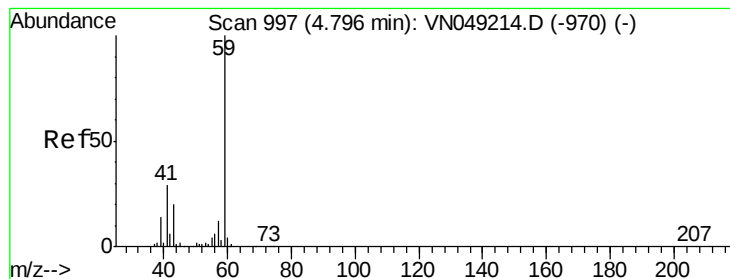


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



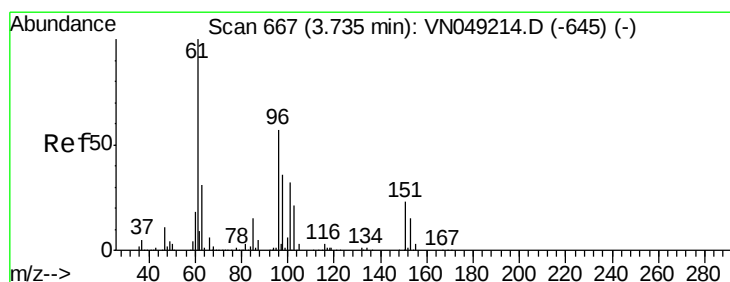
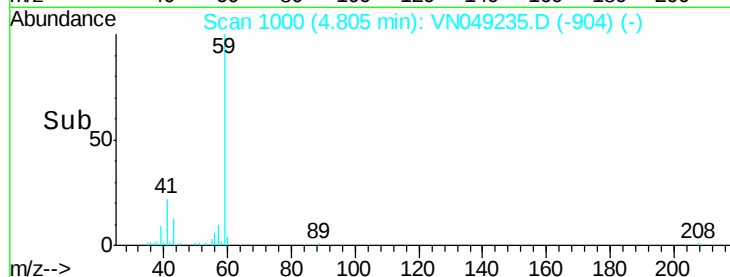
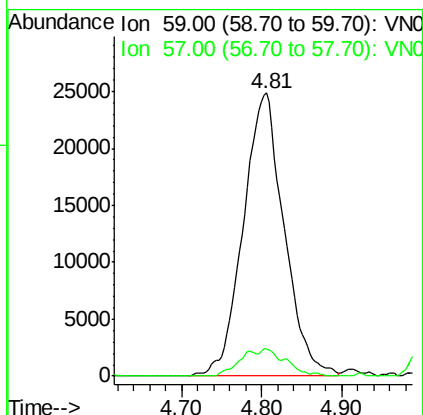
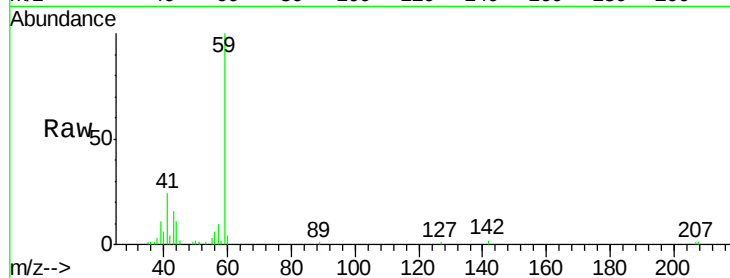


#11

Tert butyl alcohol
Concen: 111.95 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampled :

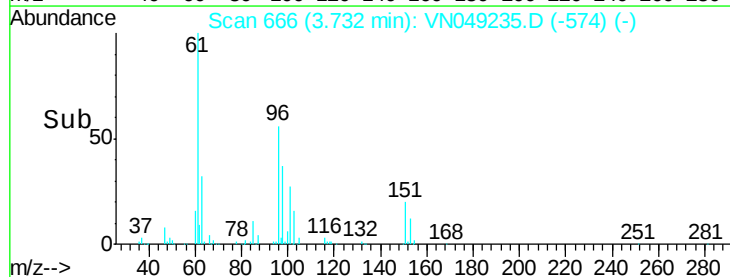
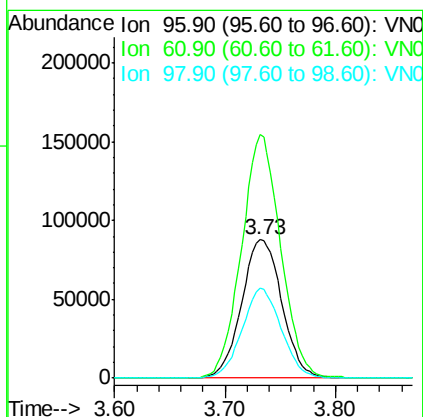
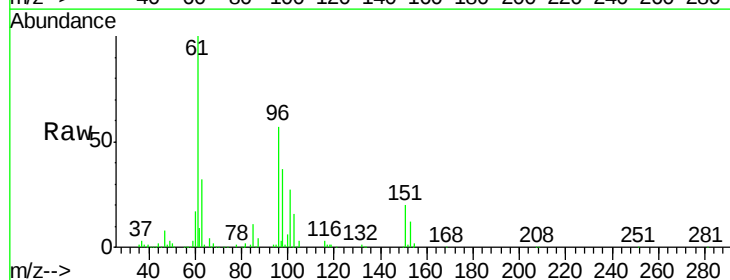
Tot Ion: 59 Resp: 86754
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

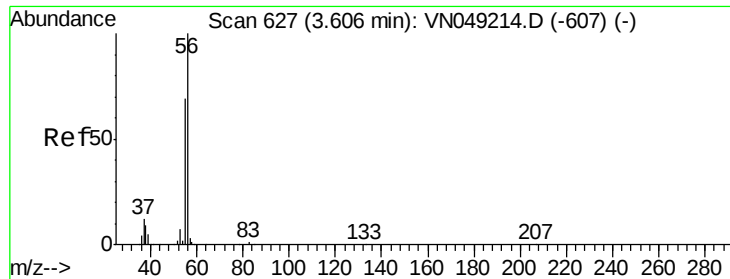


#12

1,1-Dichloroethene
Concen: 20.16 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 96 Resp: 221754
Ion Ratio Lower Upper
96 100
61 176.3 141.0 211.4
98 65.0 50.4 75.6





#13

Acrolein

Concen: 99.89 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

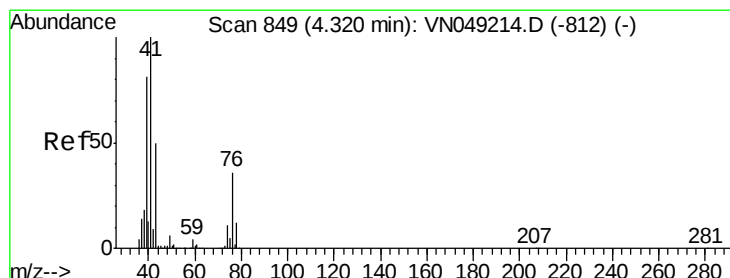
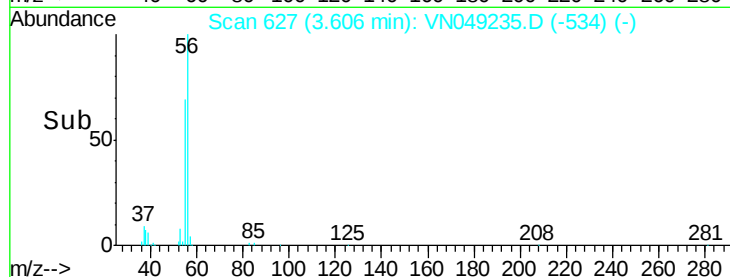
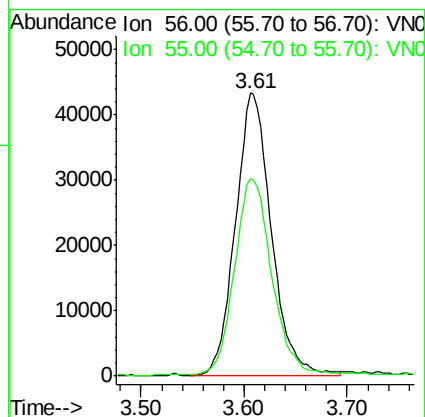
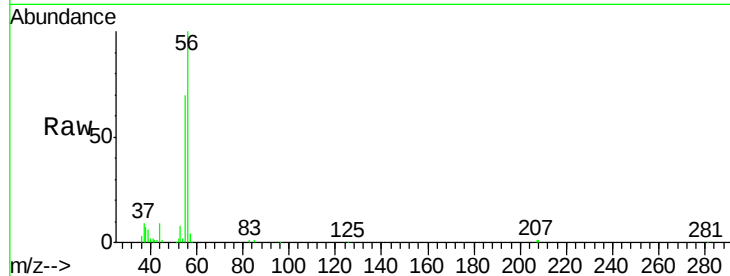
ClientSampleId :

Tot Ion: 56 Resp: 105397

Ion Ratio Lower Upper

56 100

55 71.6 57.1 85.7



#14

Allyl chloride

Concen: 20.00 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

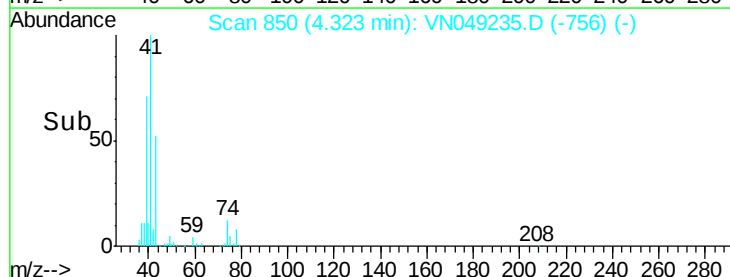
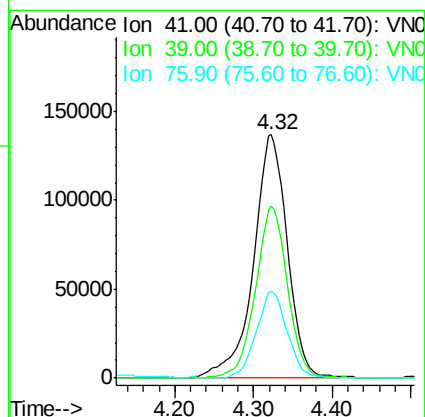
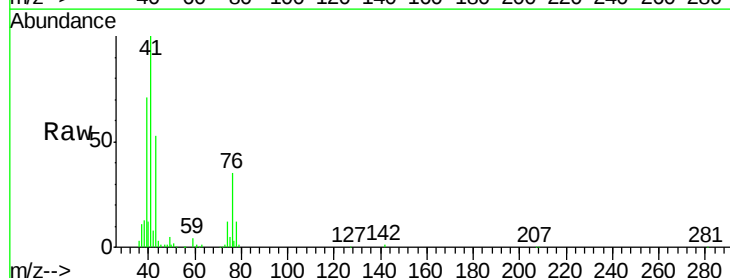
Tgt Ion: 41 Resp: 413063

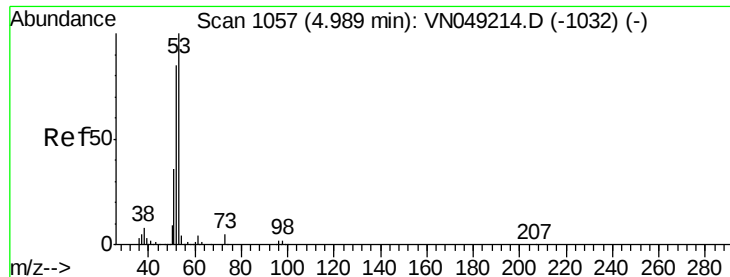
Ion Ratio Lower Upper

41 100

39 67.6 62.5 93.7

76 32.5 27.1 40.7

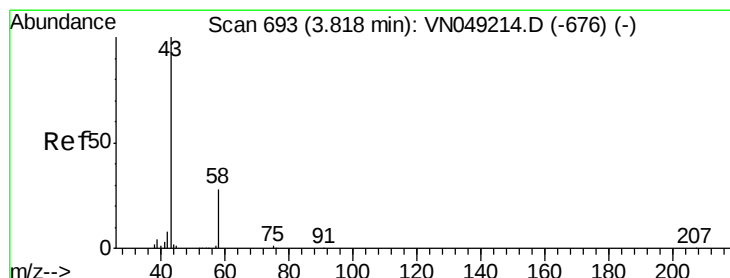
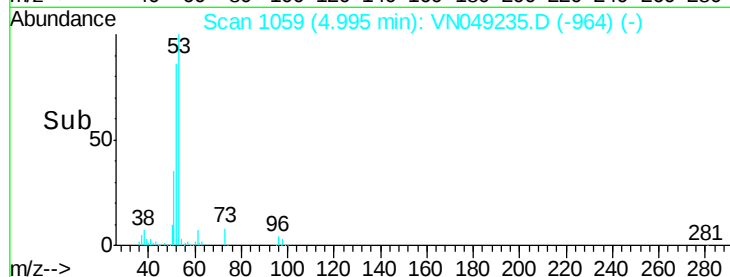
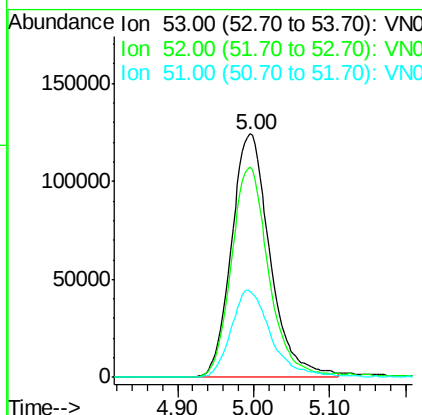
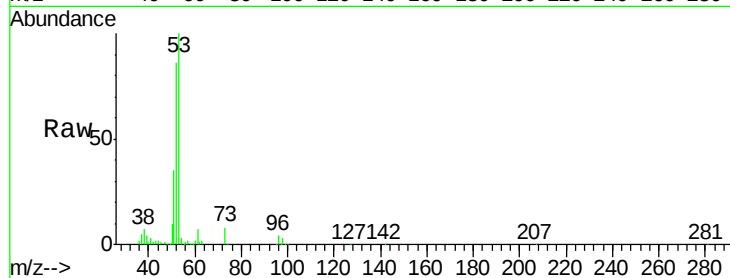




#15
 Acrylonitrile
 Concen: 104.98 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

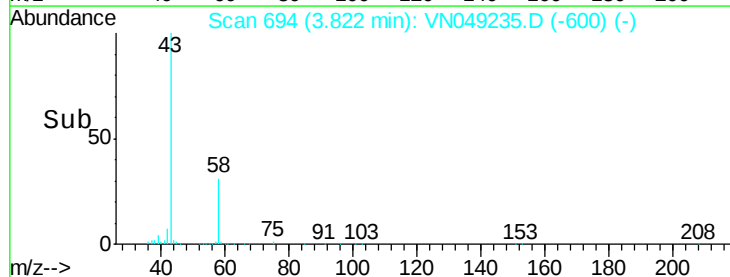
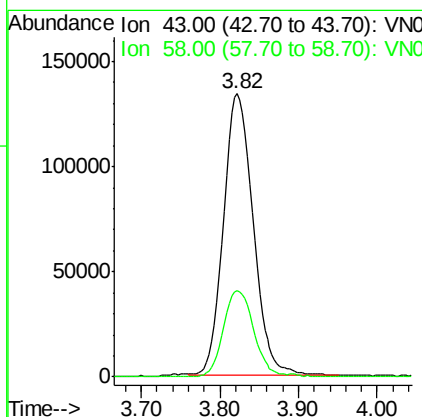
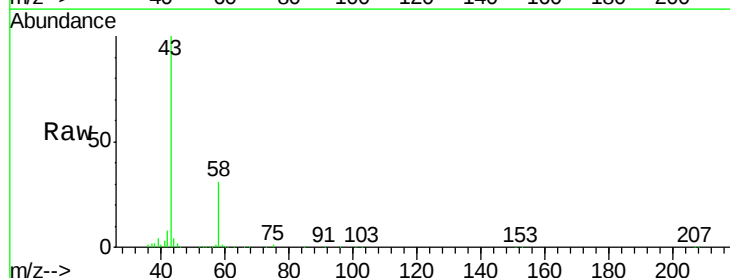
Instrument :
 MSVOA_N
 ClientSampleId :

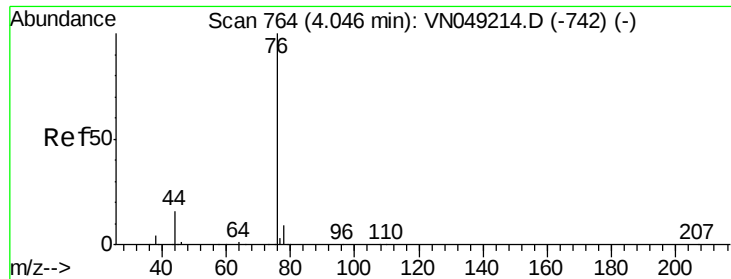
Tot Ion: 53 Resp: 437862
 Ion Ratio Lower Upper
 53 100
 52 83.5 66.6 100.0
 51 37.2 29.8 44.8



#16
 Acetone
 Concen: 102.80 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 43 Resp: 349208
 Ion Ratio Lower Upper
 43 100
 58 30.6 22.4 33.6

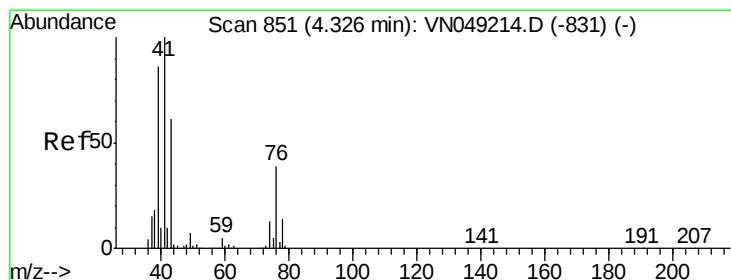
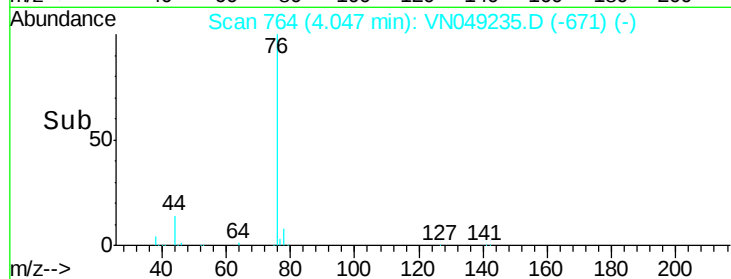
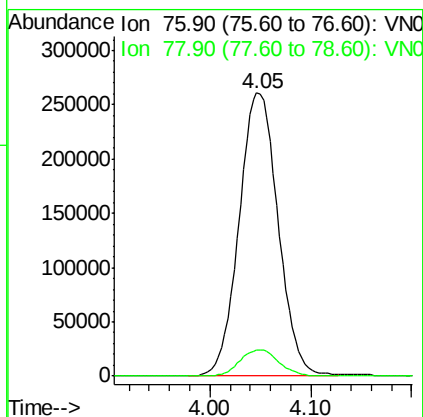
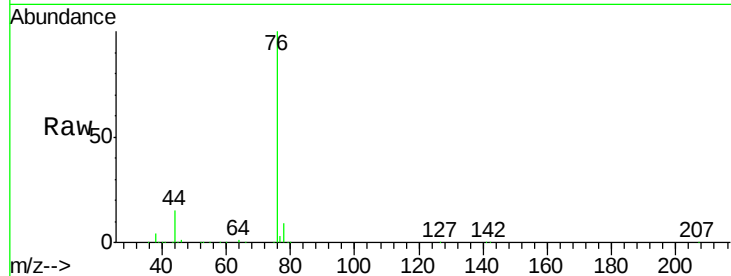




#17
Carbon Disulfide
Concen: 18.66 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

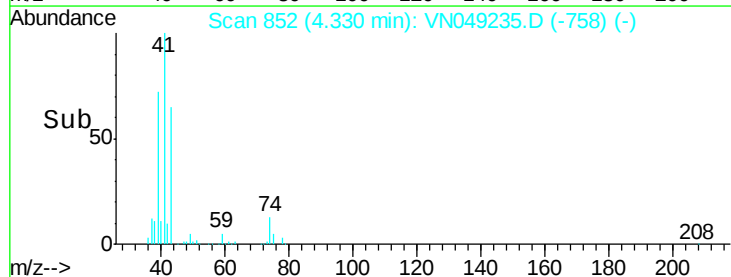
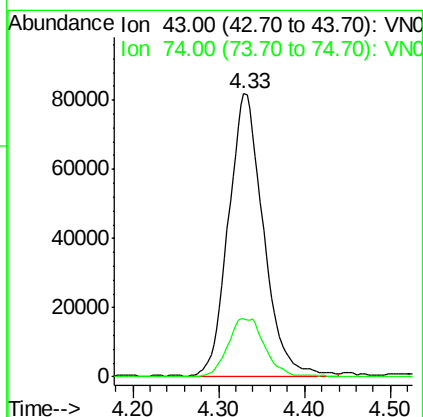
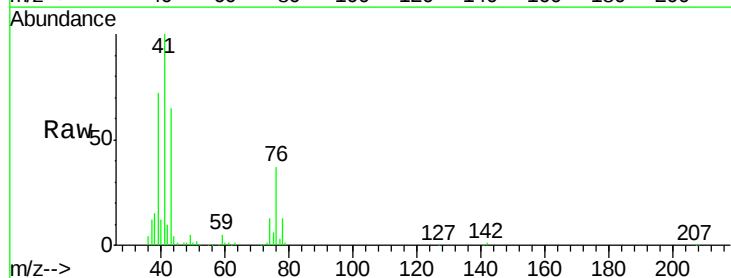
Instrument :
MSVOA_N
ClientSampleId :

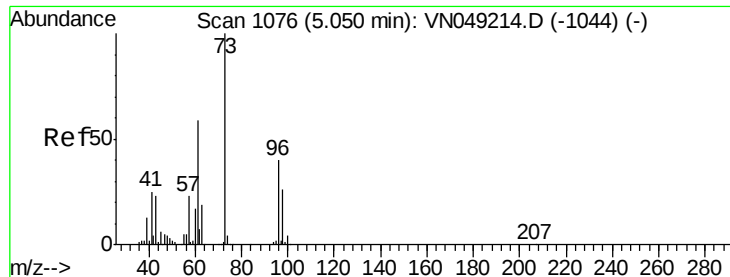
Tot Ion: 76 Resp: 700065
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 21.49 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 43 Resp: 230147
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0

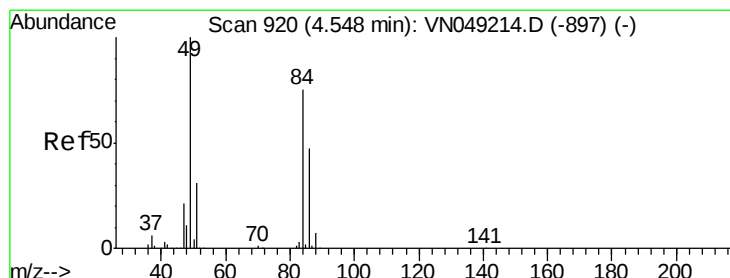
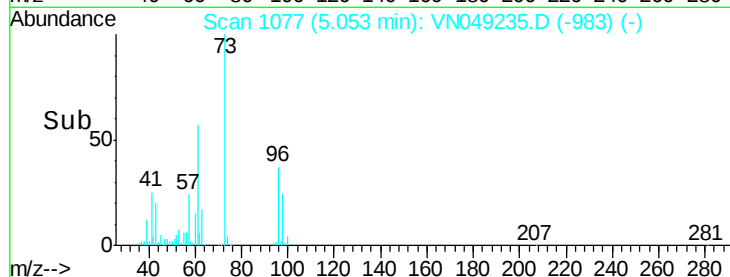
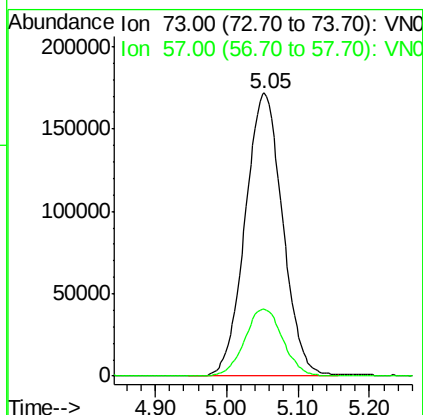
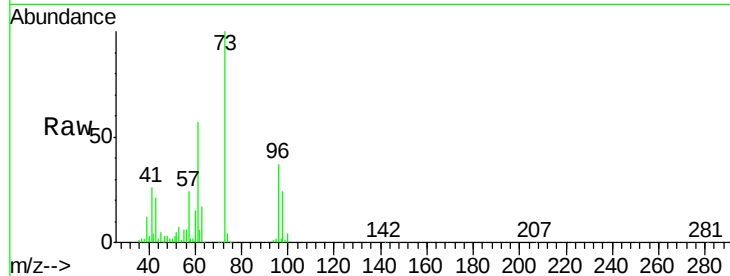




#19
Methvl tert-butvl Ether
Concen: 20.87 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

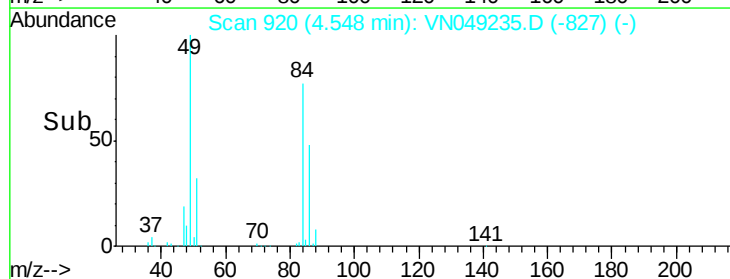
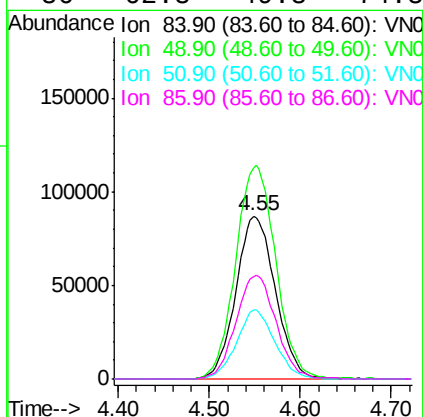
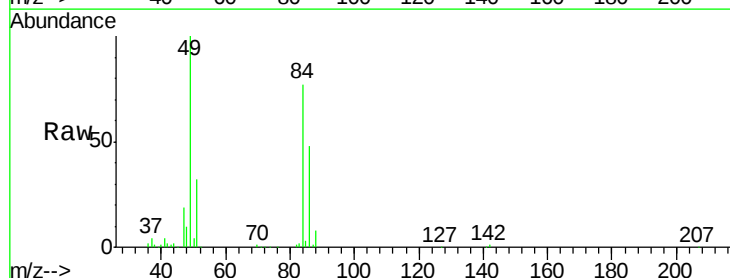
Instrument :
MSVOA_N
ClientSampleId :

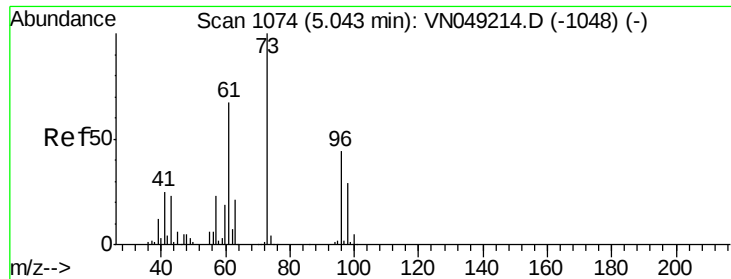
Tot Ion: 73 Resp: 625393
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.4



#20
Methylene Chloride
Concen: 18.99 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 84 Resp: 262008
Ion Ratio Lower Upper
84 100
49 129.7 106.9 160.3
51 42.1 32.7 49.1
86 62.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.18 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :

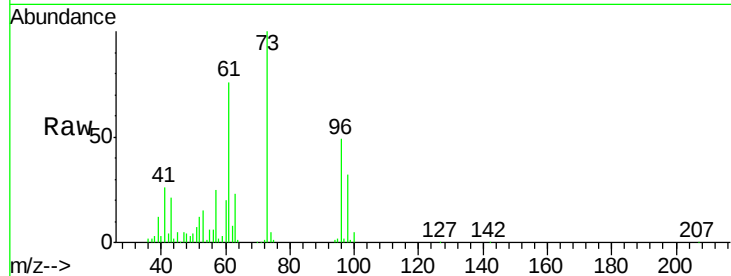
Tot Ion: 96 Resp: 233812

Ion Ratio Lower Upper

96 100

61 155.6 121.3 181.9

98 65.1 52.0 78.0

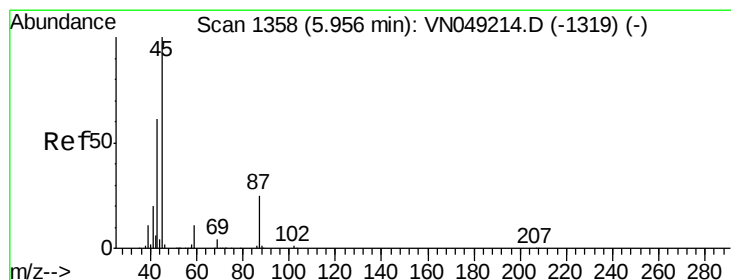
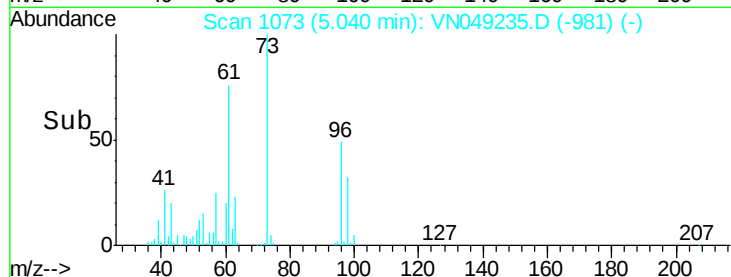
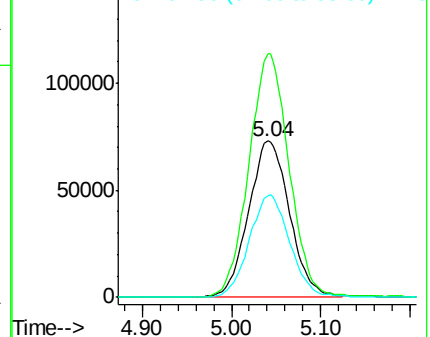


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.81 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion: 45 Resp: 857705

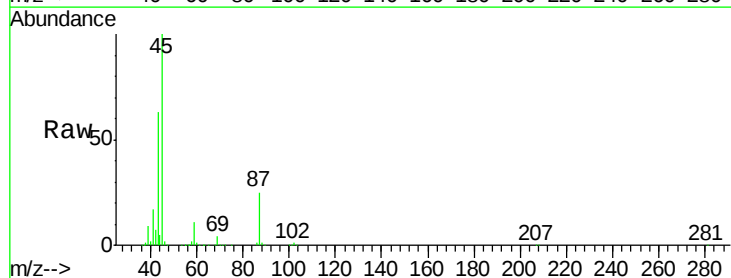
Ion Ratio Lower Upper

45 100

43 61.5 48.6 72.8

87 24.2 20.2 30.2

59 10.8 9.0 13.4



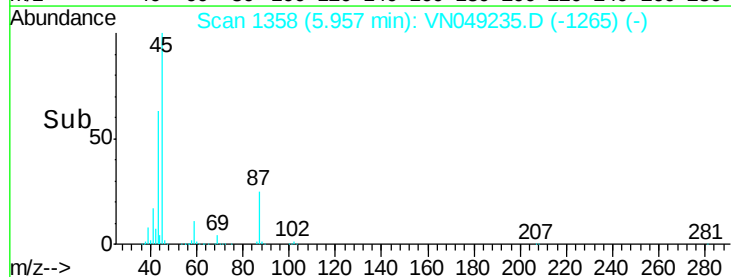
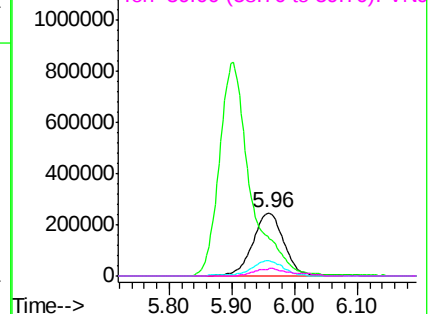
Abundance

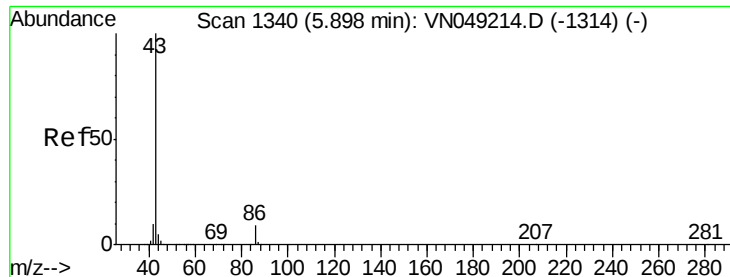
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.07 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

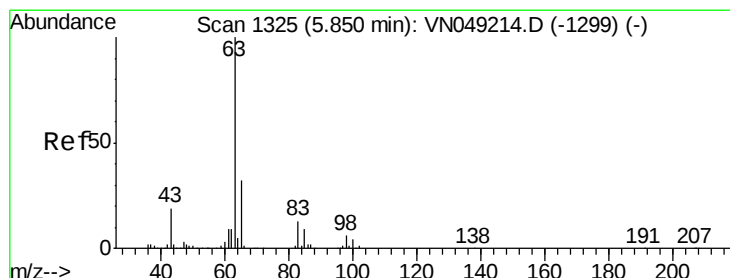
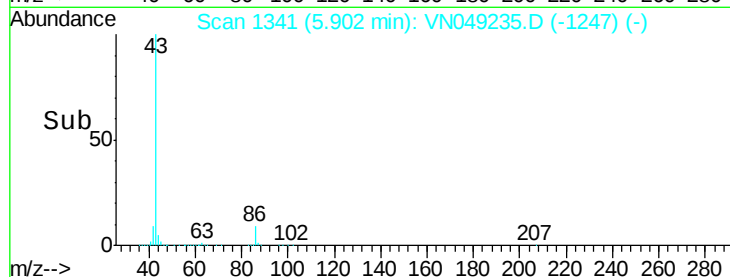
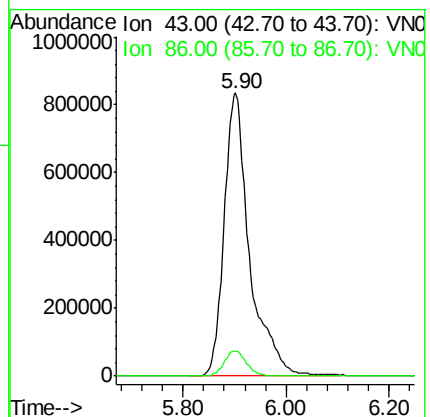
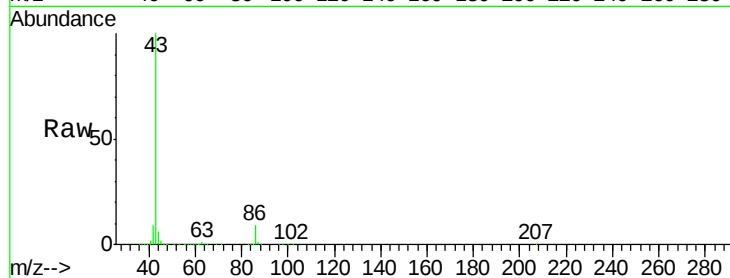
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2863043

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8



#24

1,1-Dichloroethane

Concen: 20.07 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

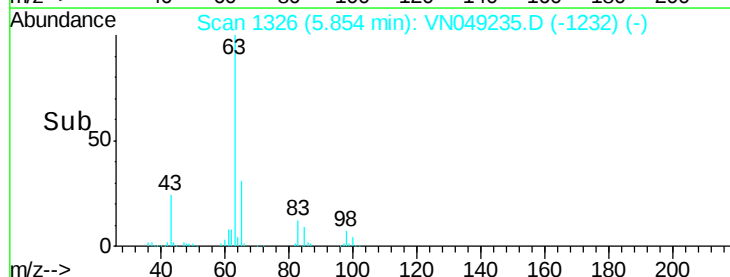
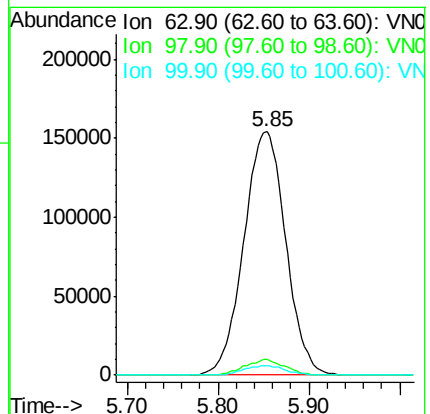
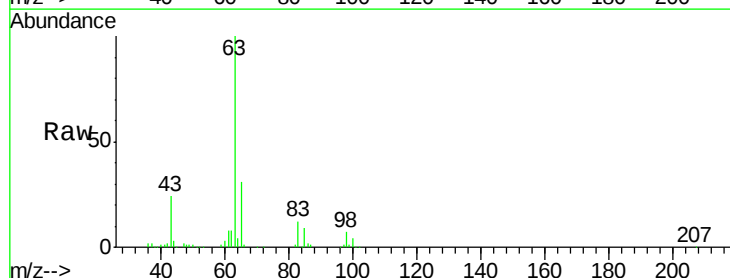
Tgt Ion: 63 Resp: 492955

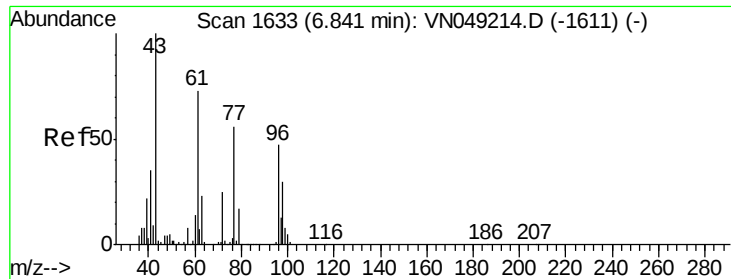
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 106.00 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

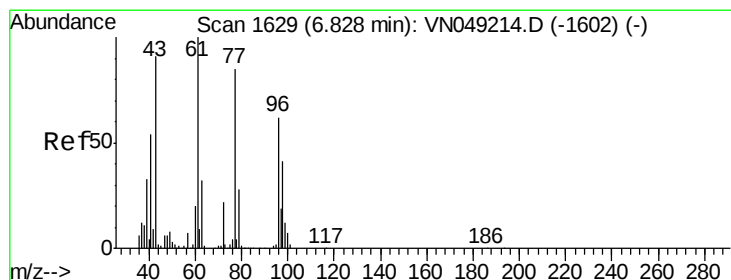
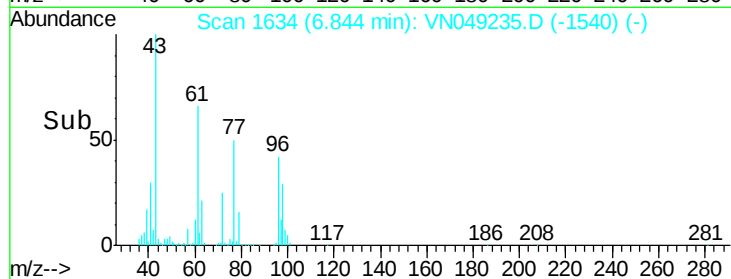
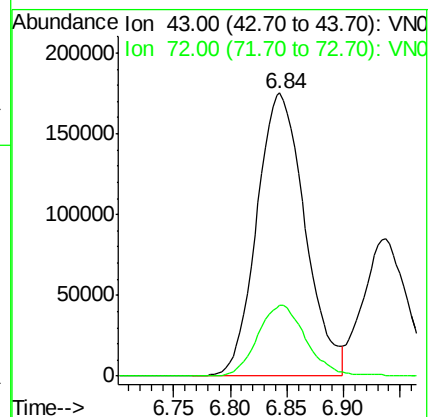
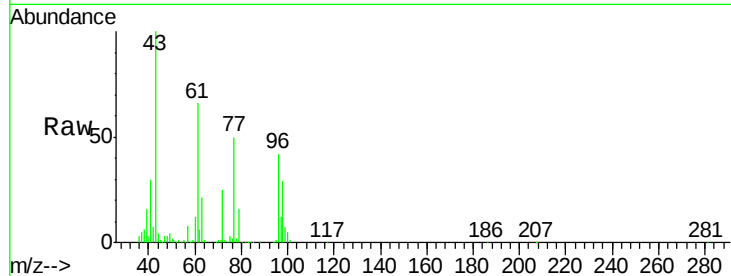
ClientSampled :

Tot Ion: 43 Resp: 515616

Ion Ratio Lower Upper

43 100

72 25.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.55 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049235.D

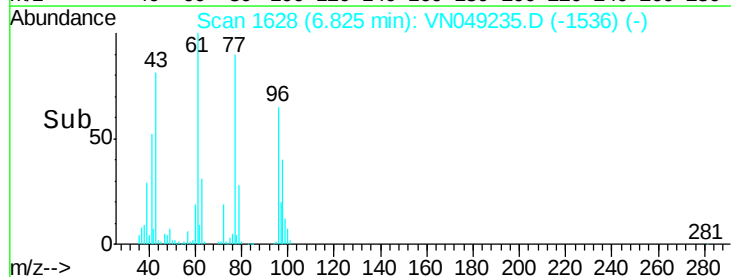
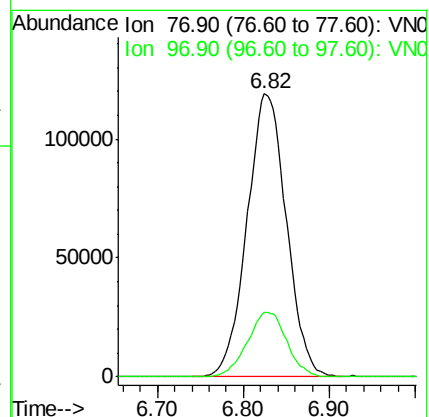
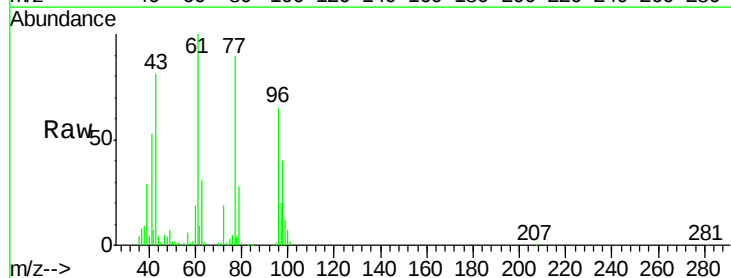
Acq: 14 Jun 2018 18:25

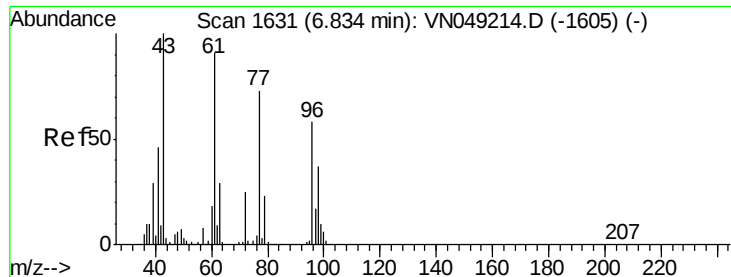
Tgt Ion: 77 Resp: 378624

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.08 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :

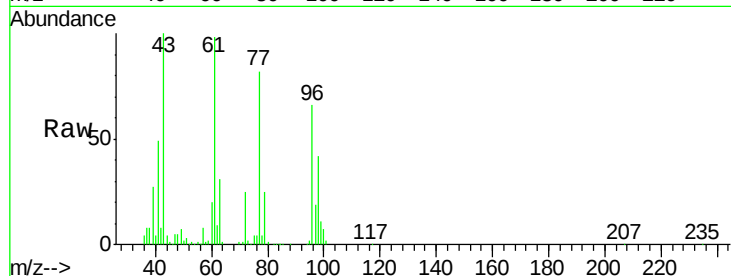
Tot Ion: 96 Resp: 266589

Ion Ratio Lower Upper

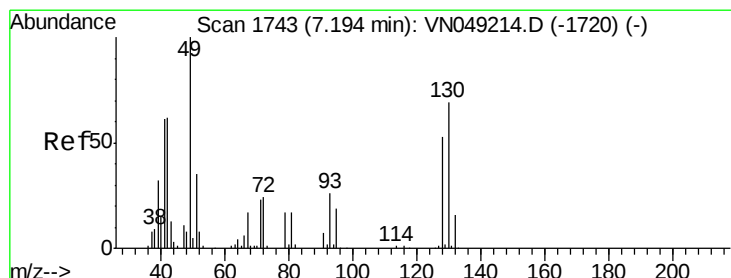
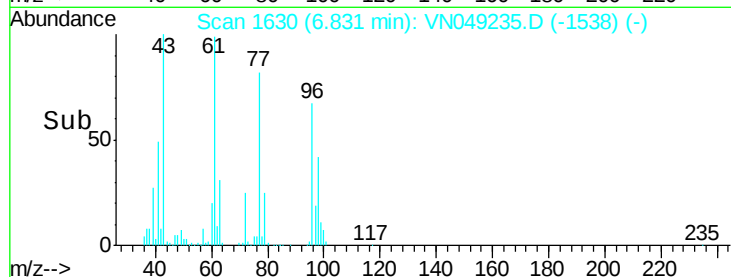
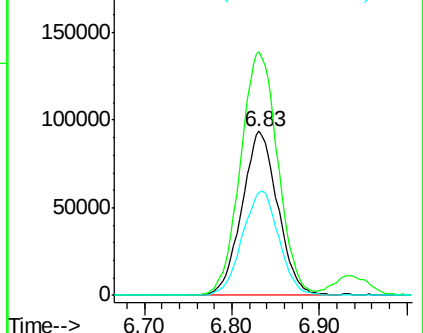
96 100

61 154.1 0.0 316.4

98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.62 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

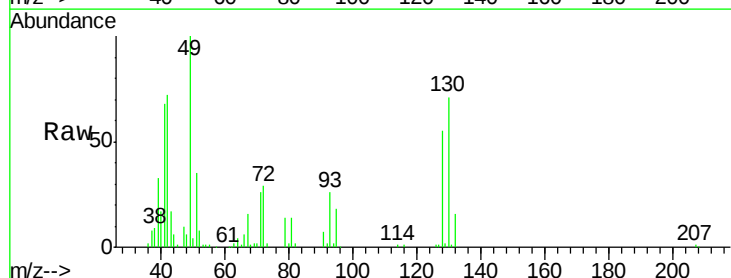
Tgt Ion: 49 Resp: 228709

Ion Ratio Lower Upper

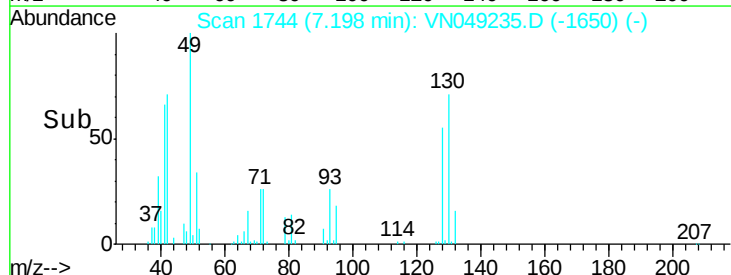
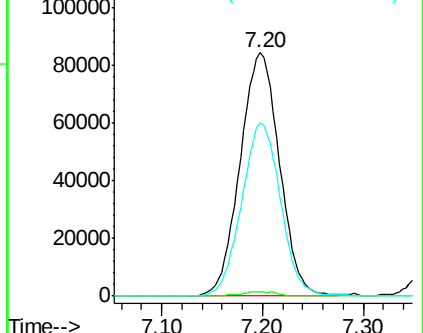
49 100

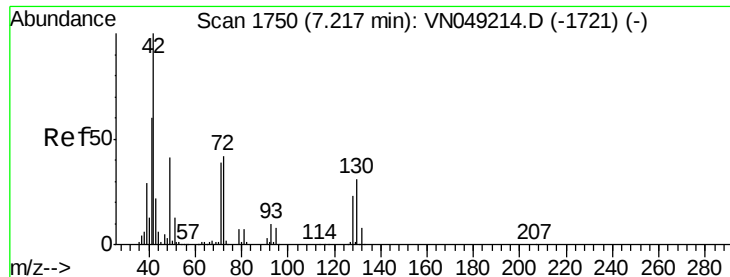
129 1.7 0.0 3.8

130 70.0 54.9 82.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.36 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :

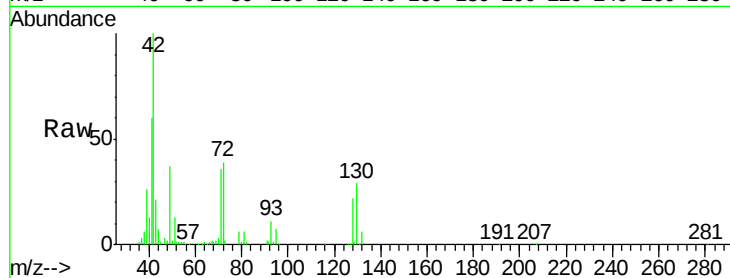
Tot Ion: 42 Resp: 339105

Ion Ratio Lower Upper

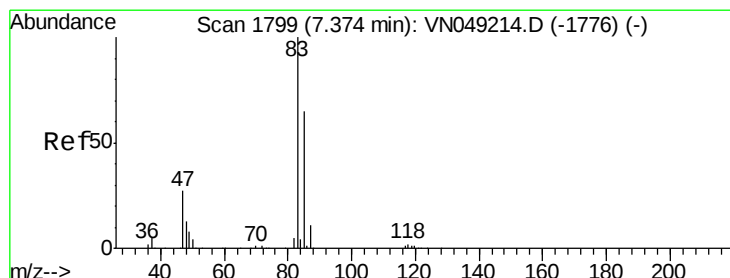
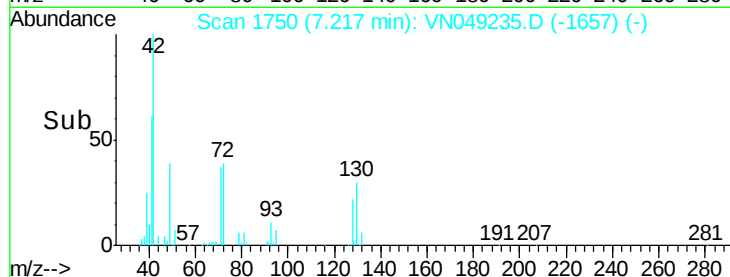
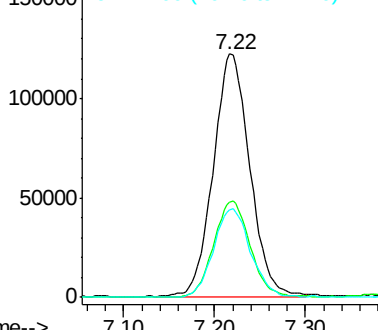
42 100

72 39.9 32.2 48.4

71 37.2 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.99 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049235.D

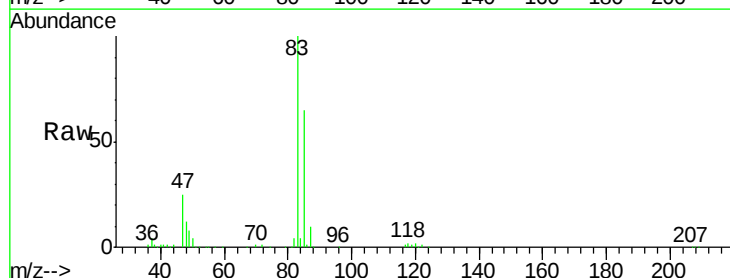
Acq: 14 Jun 2018 18:25

Tgt Ion: 83 Resp: 471853

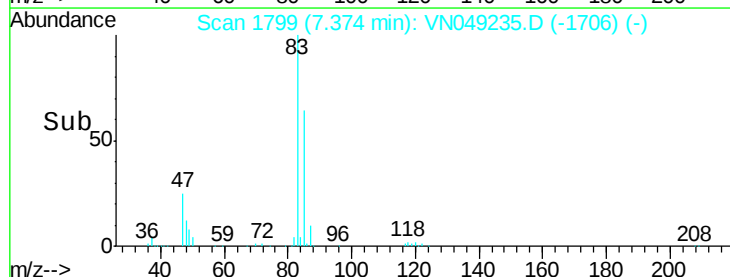
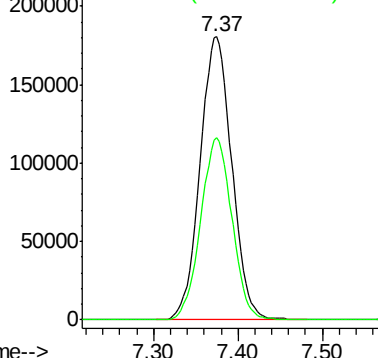
Ion Ratio Lower Upper

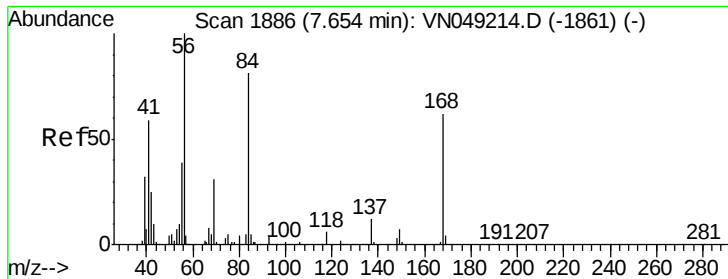
83 100

85 64.5 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

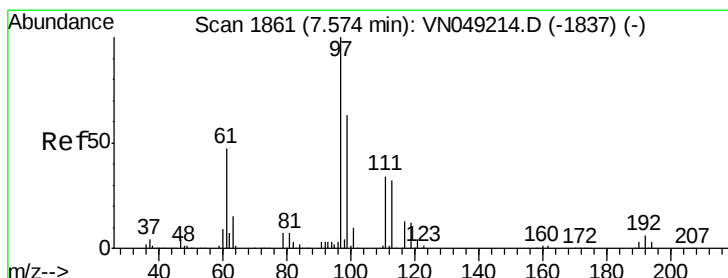
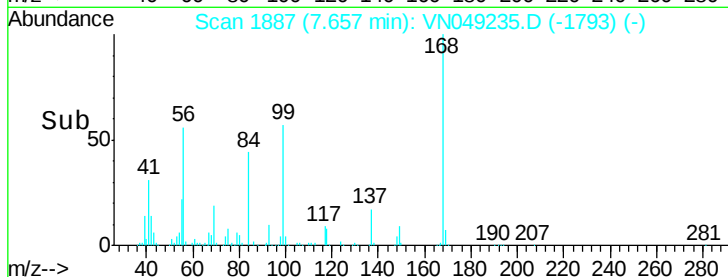
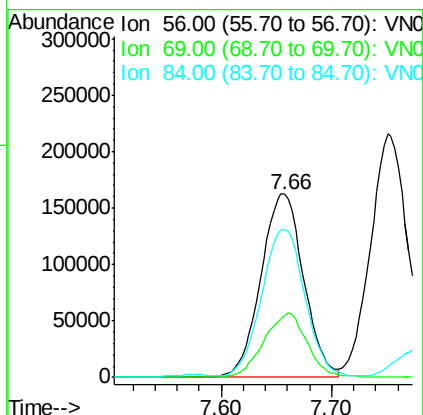
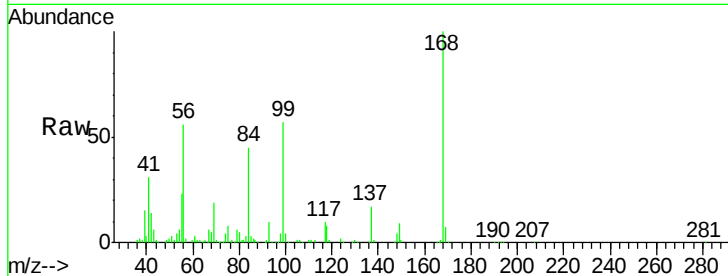




#31
Cyclohexane
Concen: 20.39 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

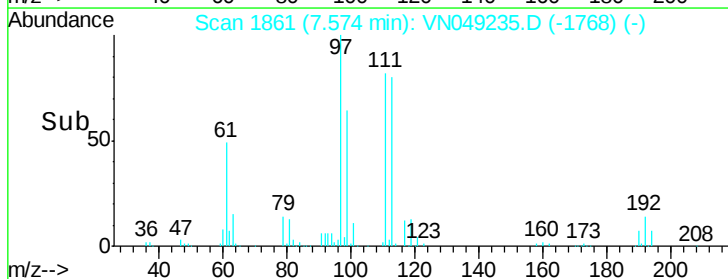
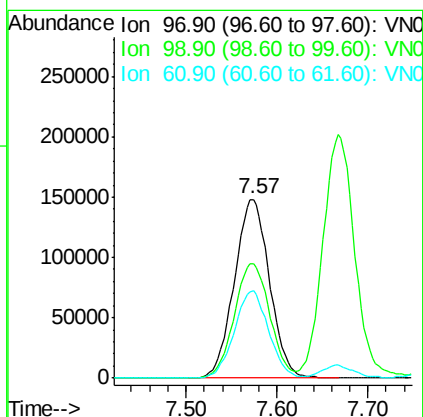
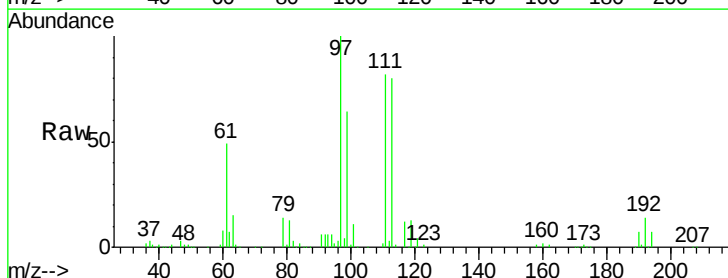
Instrument :
MSVOA_N
ClientSampled :

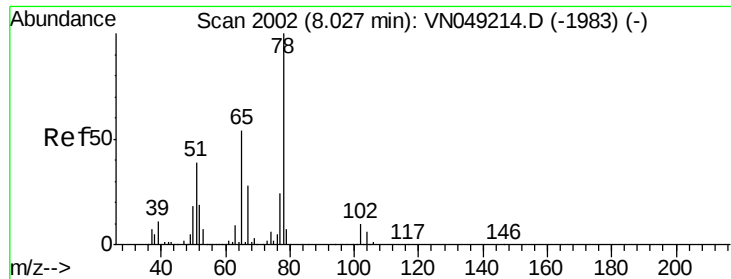
Tot Ion: 56 Resp: 435873
Ion Ratio Lower Upper
56 100
69 33.6 25.0 37.4
84 79.1 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 19.55 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 97 Resp: 397451
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 47.5 37.9 56.9

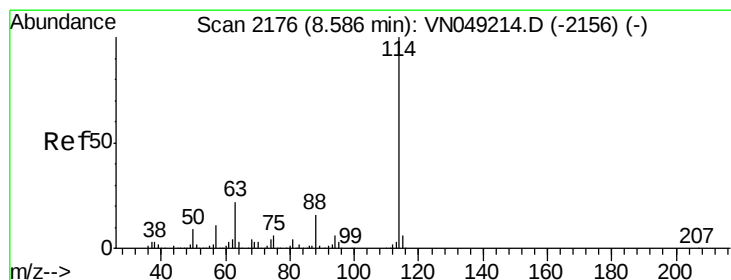
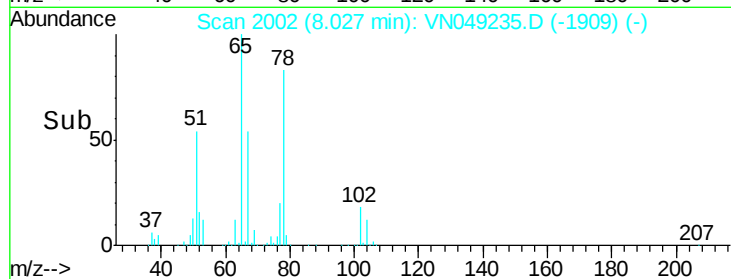
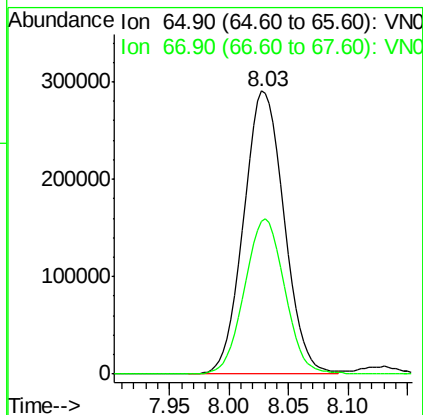
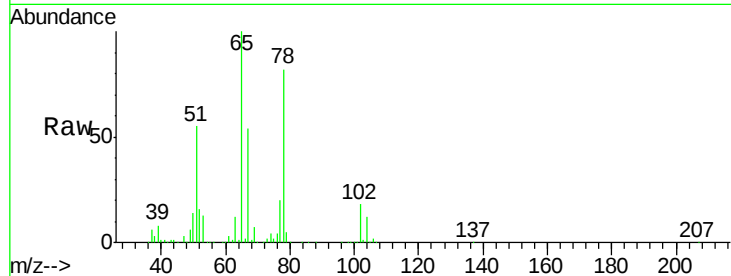




#33
 1,2-Dichloroethane-d4
 Concen: 48.33 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

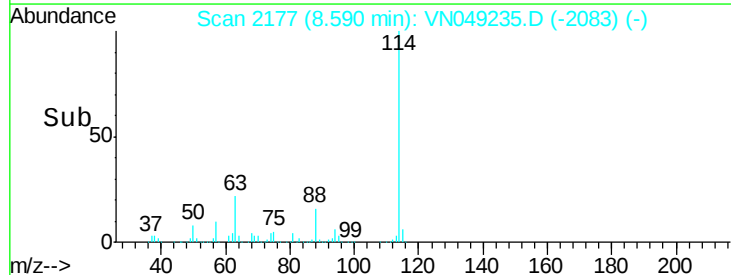
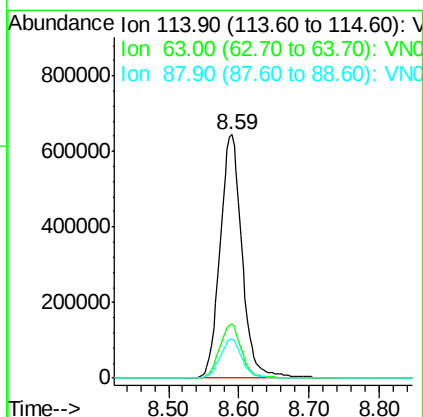
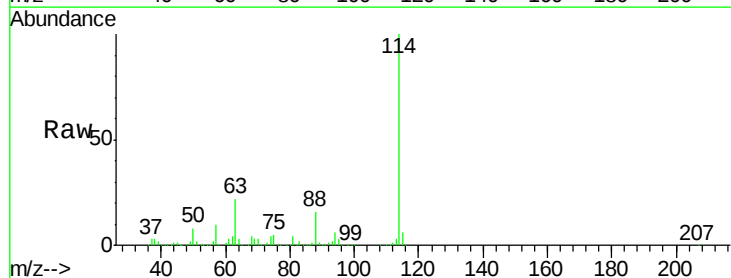
Instrument :
 MSVOA_N
 ClientSampleId :

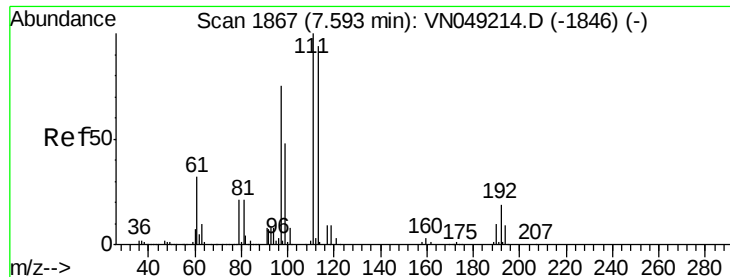
Tot Ion: 65 Resp: 687084
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 114 Resp: 1401572
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 16.0 0.0 31.4

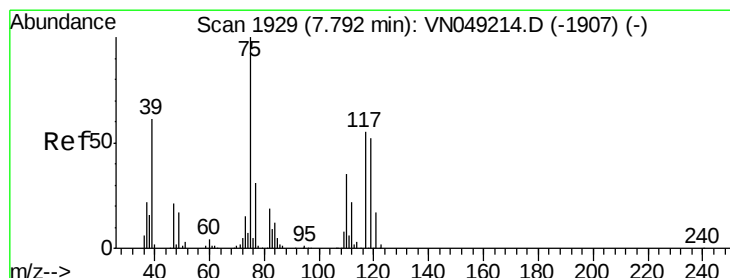
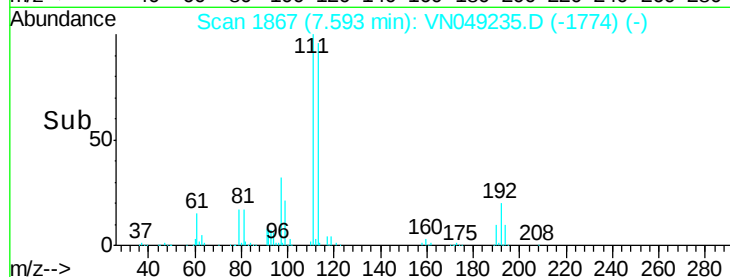
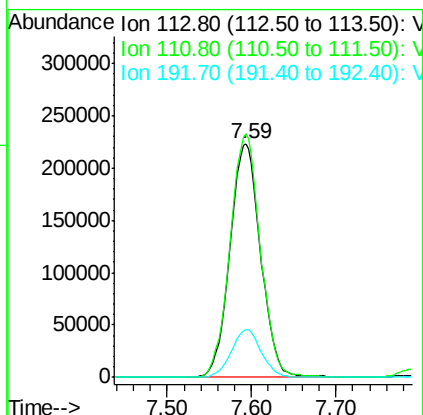
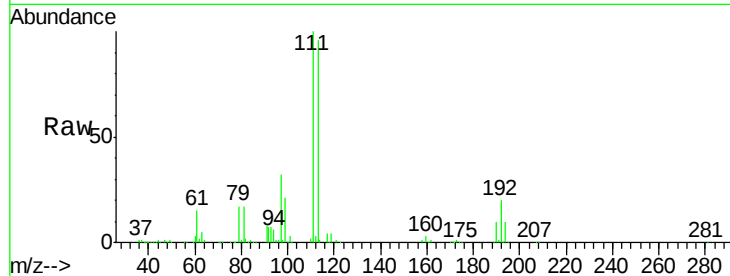




#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

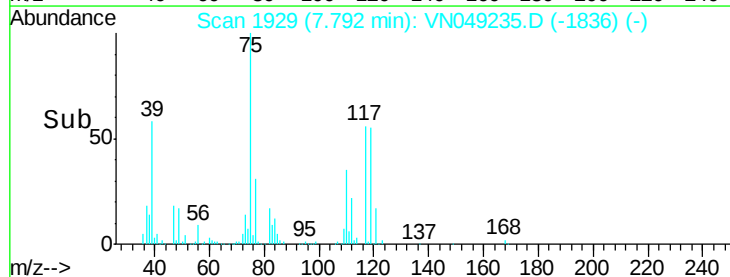
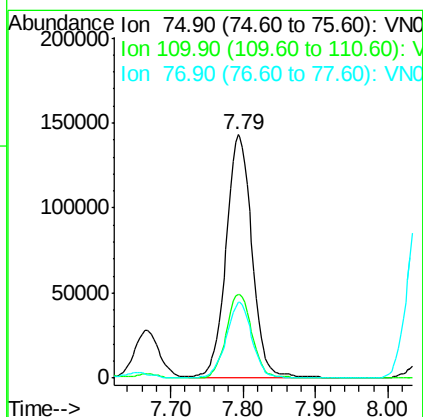
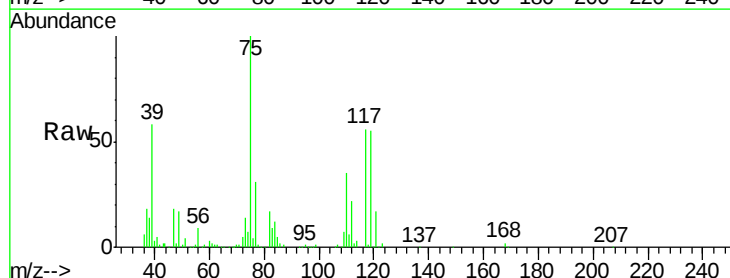
Instrument :
 MSVOA_N
 ClientSampled :

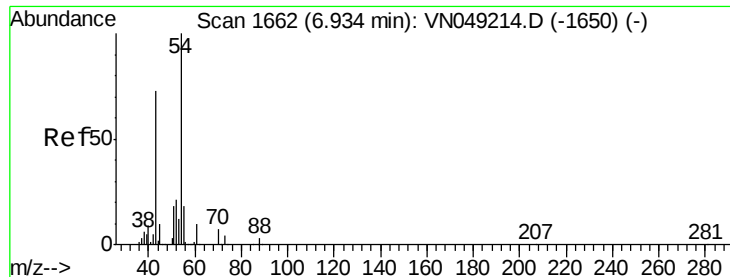
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.0	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 20.25 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	50.9
77	31.1	24.4	36.6

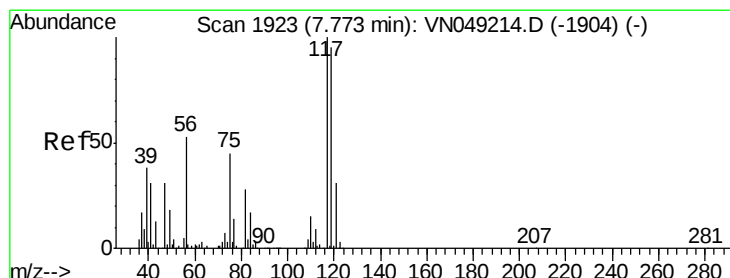
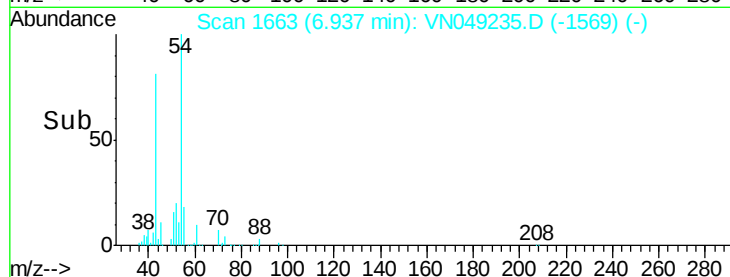
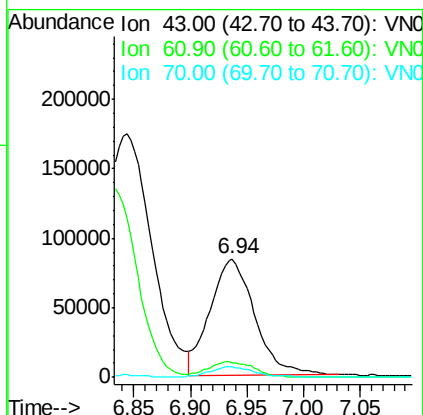
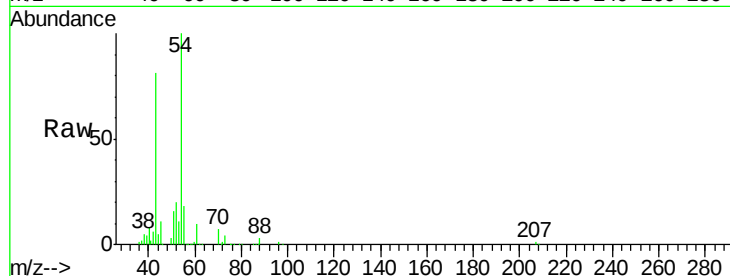




#37
Ethyl Acetate
Concen: 20.91 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

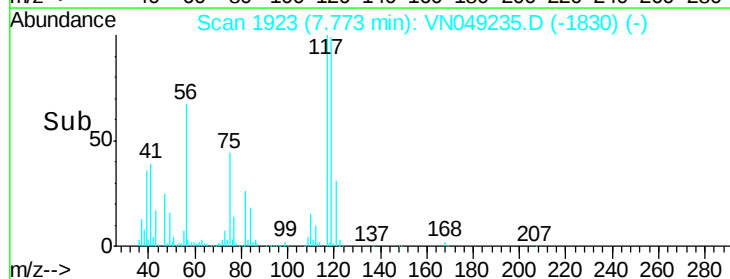
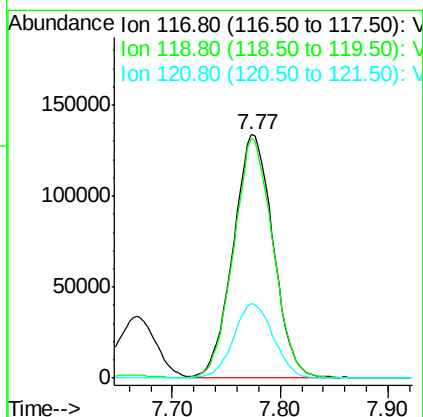
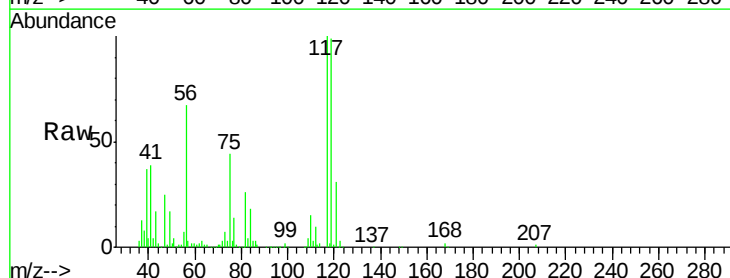
Instrument :
MSVOA_N
ClientSampled :

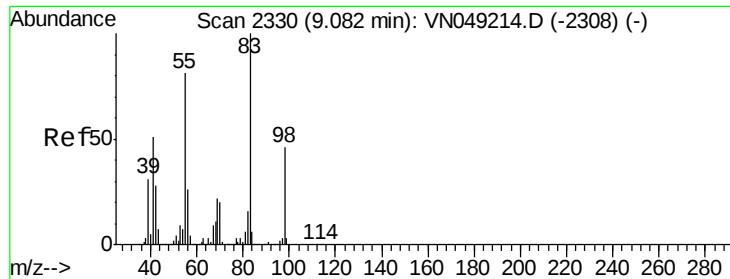
Tot Ion: 43 Resp: 231169
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.4
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.39 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 117 Resp: 342132
Ion Ratio Lower Upper
117 100
119 98.5 75.6 113.4
121 30.6 24.7 37.1

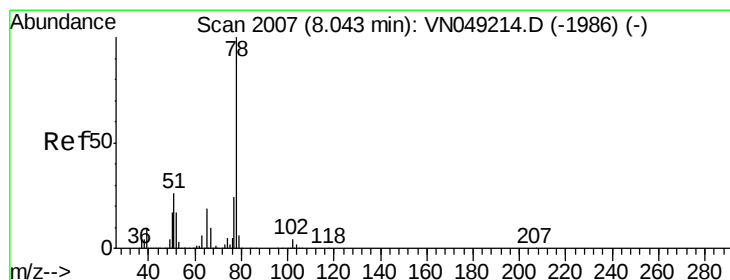
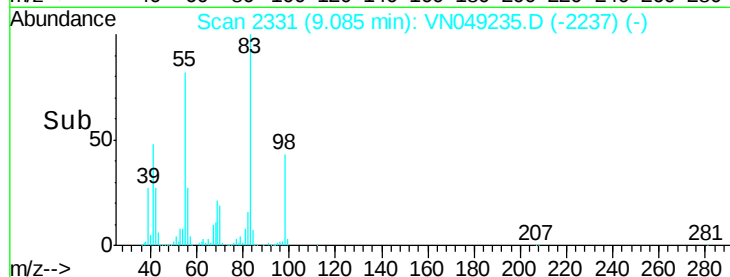
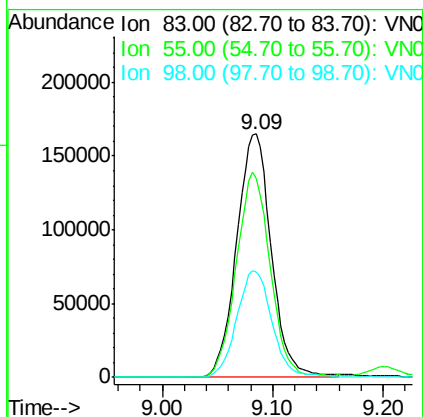
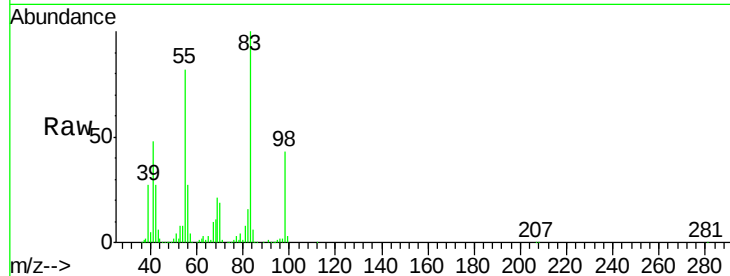




#39
Methvlcvclohexane
Concen: 19.89 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

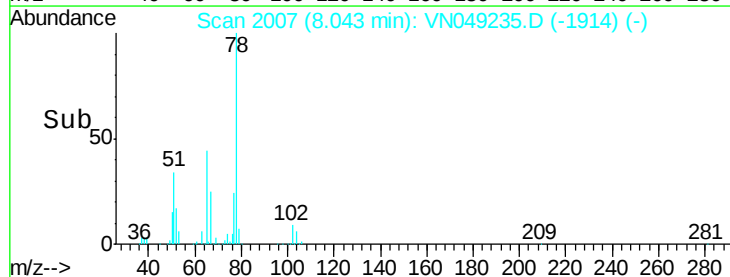
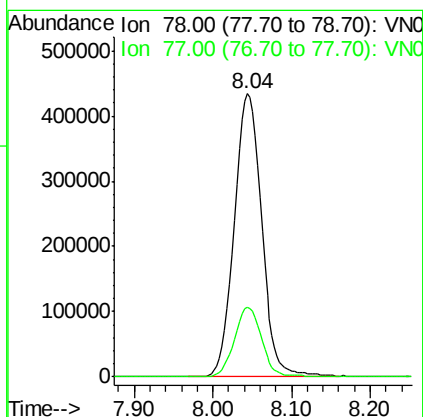
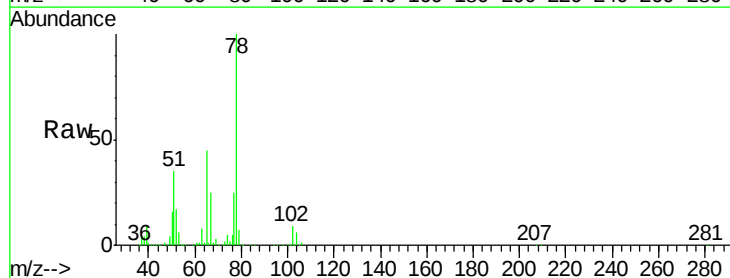
Instrument :
MSVOA_N
ClientSampleId :

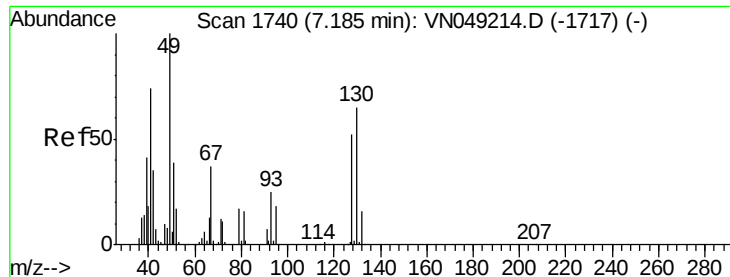
Tot Ion: 83 Resp: 359857
Ion Ratio Lower Upper
83 100
55 81.4 65.1 97.7
98 43.4 36.5 54.7



#40
Benzene
Concen: 19.91 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 78 Resp: 1056530
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0

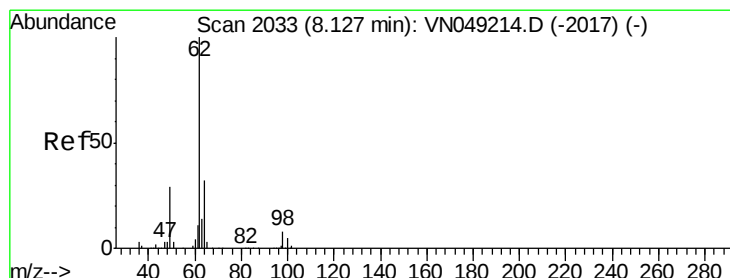
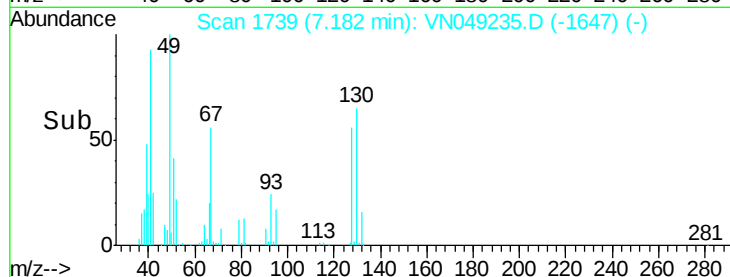
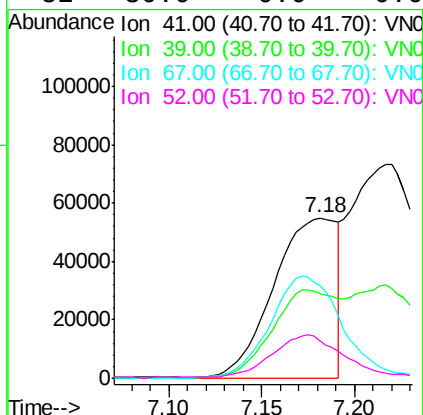
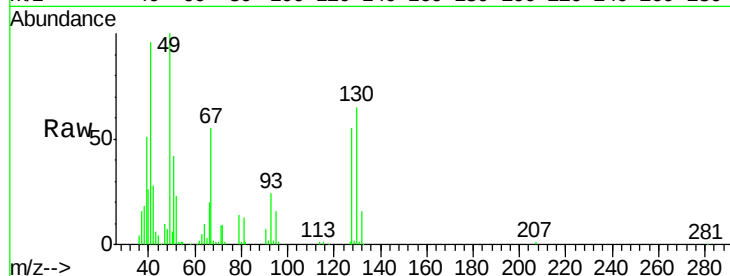




#41
Methacrylonitrile
Concen: 20.85 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

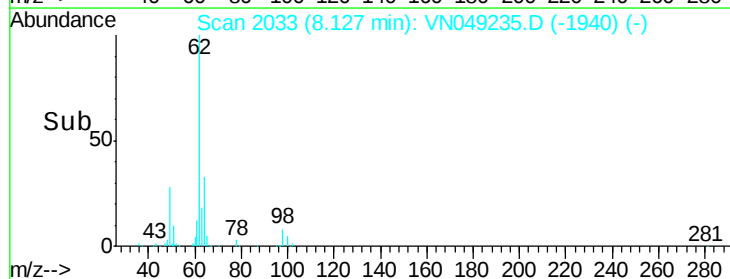
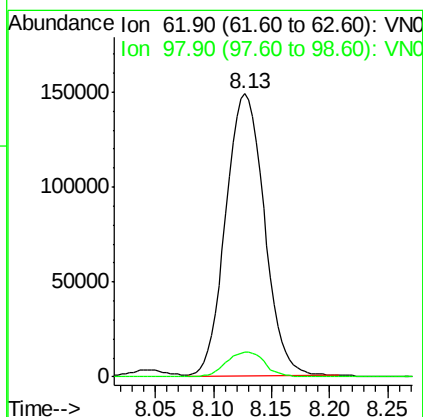
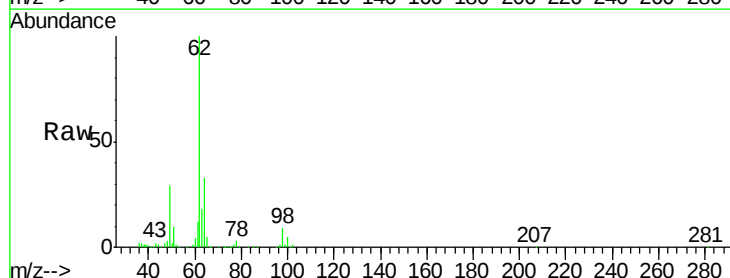
Instrument :
MSVOA_N
ClientSampled :

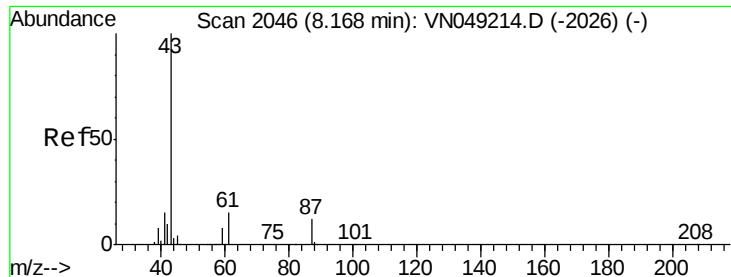
Tot Ion: 41 Resp: 130400
Ion Ratio Lower Upper
41 100
39 59.0 0.0 0.0#
67 73.1 0.0 0.0#
52 30.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 62 Resp: 344185
Ion Ratio Lower Upper
62 100
98 8.8 0.0 16.2





#43

Isopropyl Acetate

Concen: 21.71 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

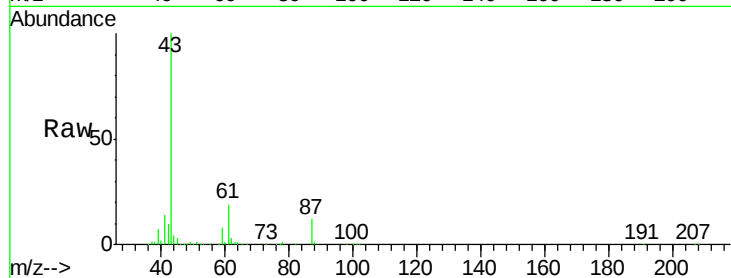
Tot Ion: 43 Resp: 441329

Ion Ratio Lower Upper

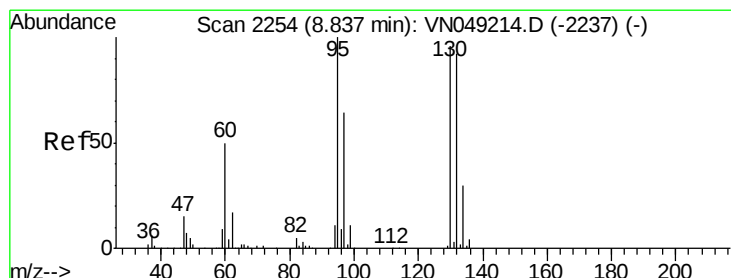
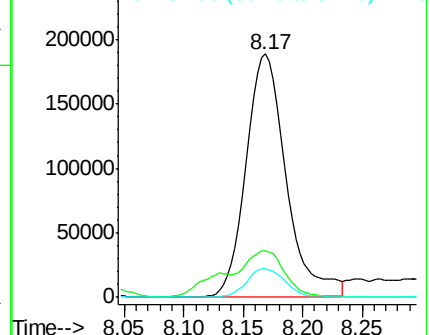
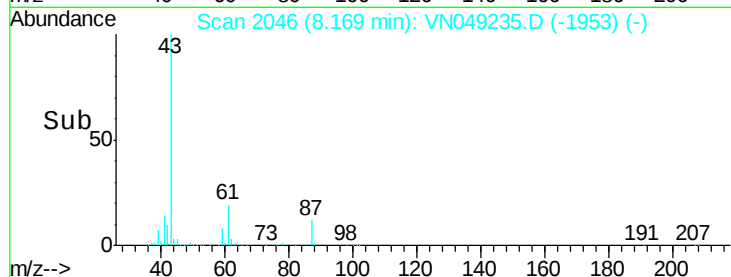
43 100

61 18.9 14.2 21.4

87 11.5 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049235.D (-1953) (-)



#44

Trichloroethene

Concen: 19.38 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049235.D

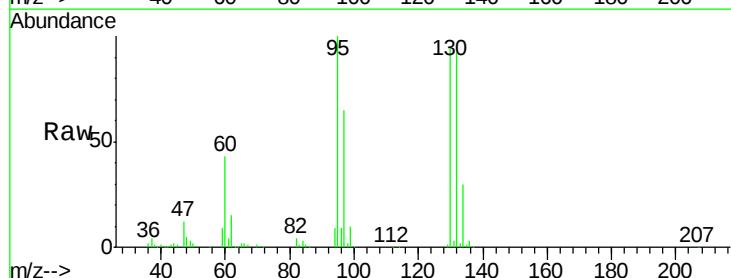
Acq: 14 Jun 2018 18:25

Tgt Ion:130 Resp: 256763

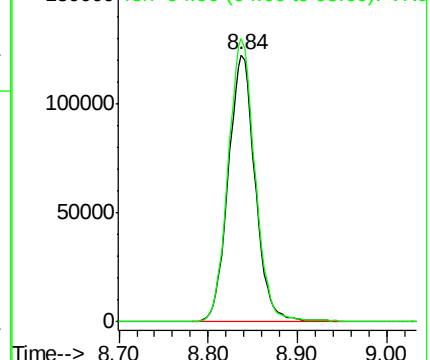
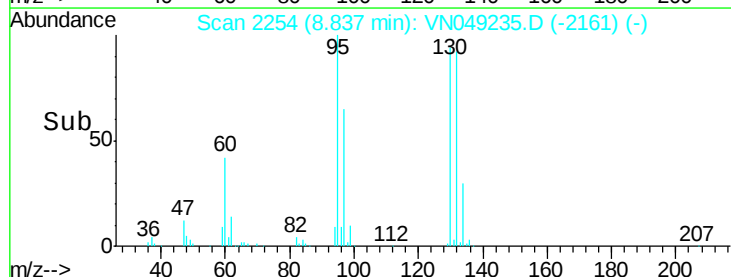
Ion Ratio Lower Upper

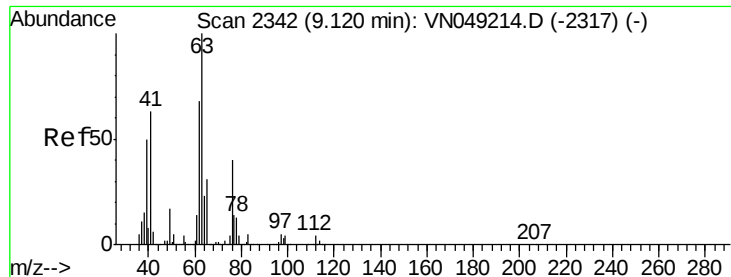
130 100

95 105.9 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049235.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 19.83 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

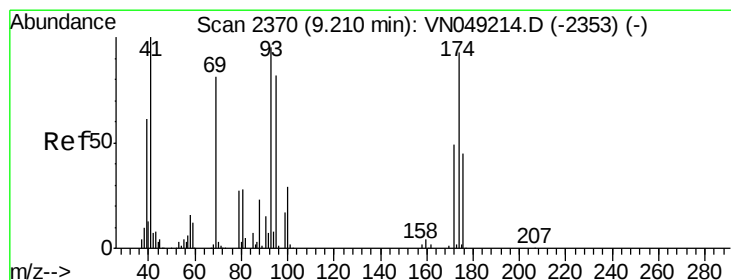
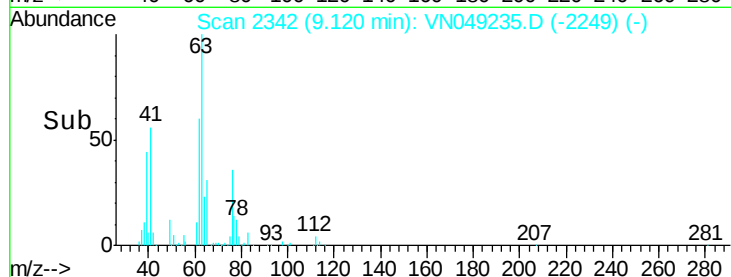
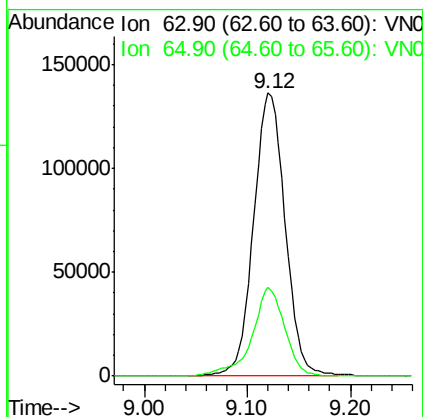
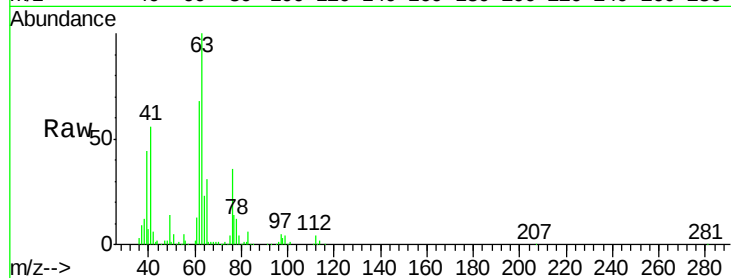
ClientSampled :

Tot Ion: 63 Resp: 289308

Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



#46

Dibromomethane

Concen: 20.19 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

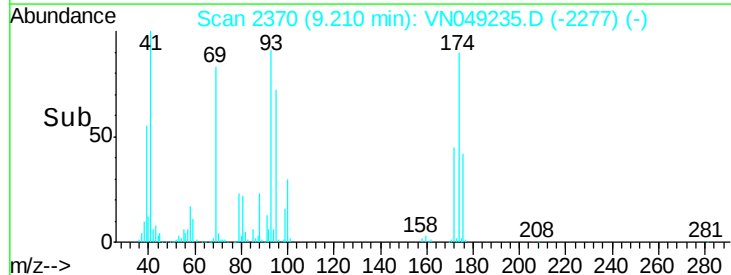
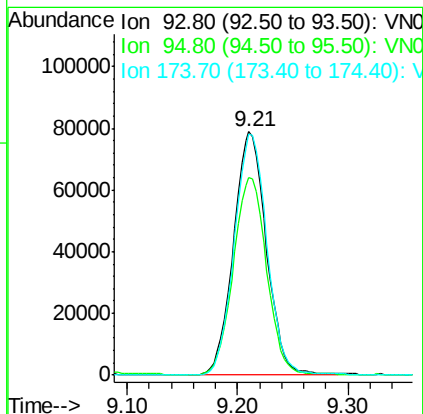
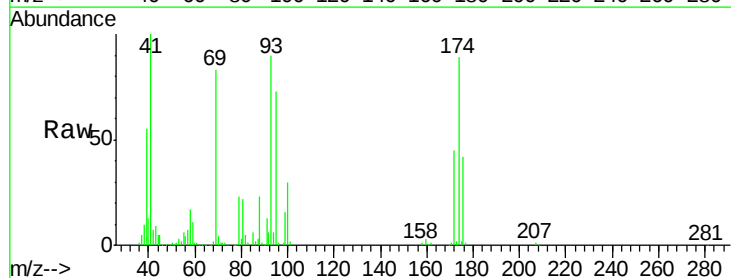
Tgt Ion: 93 Resp: 162779

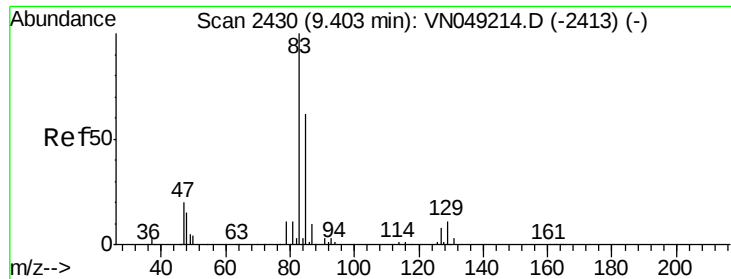
Ion Ratio Lower Upper

93 100

95 82.6 67.2 100.8

174 98.4 75.6 113.4

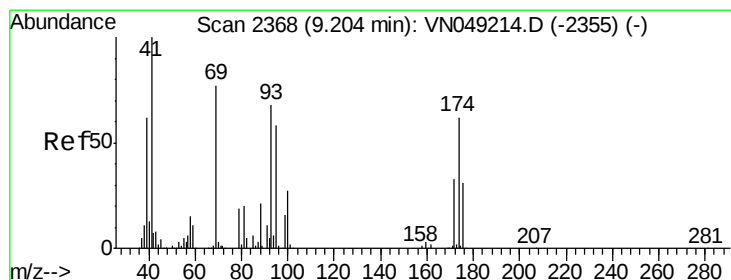
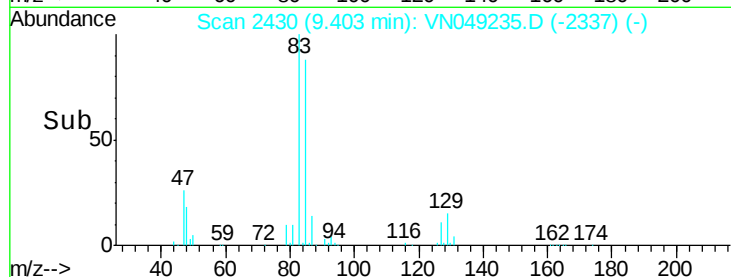
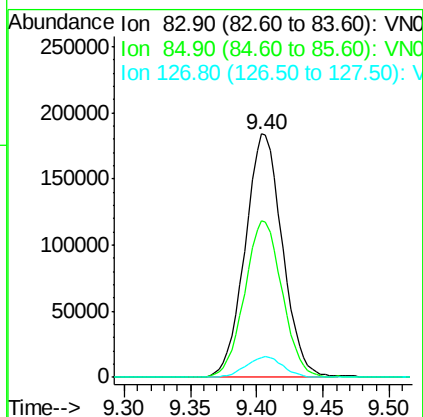
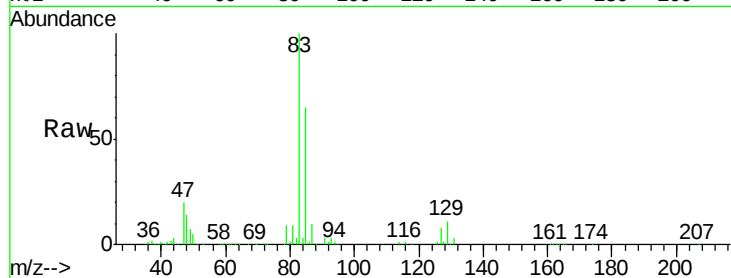




#47
Bromodichloromethane
Concen: 19.82 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

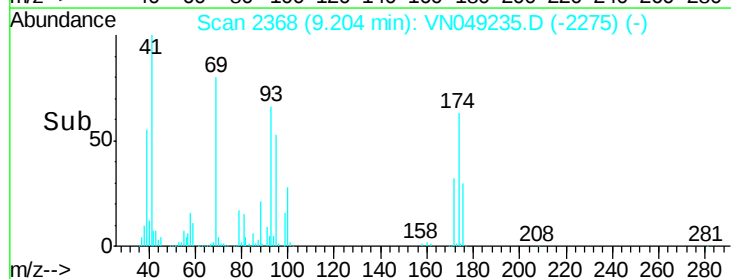
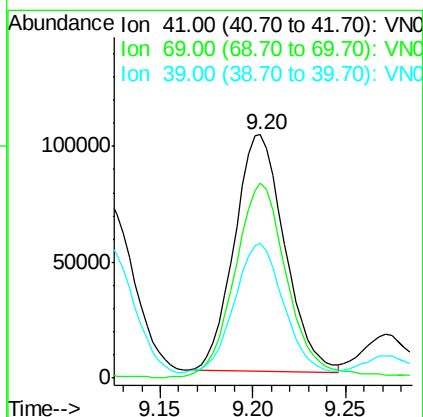
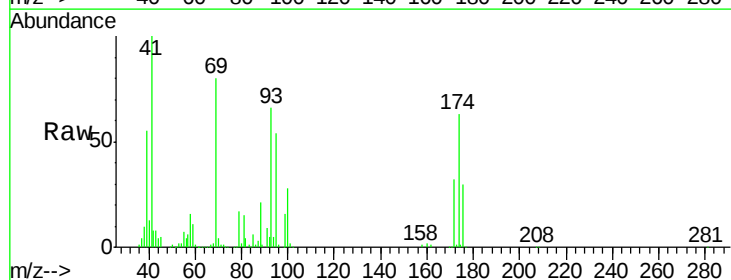
Instrument :
MSVOA_N
ClientSampleId :

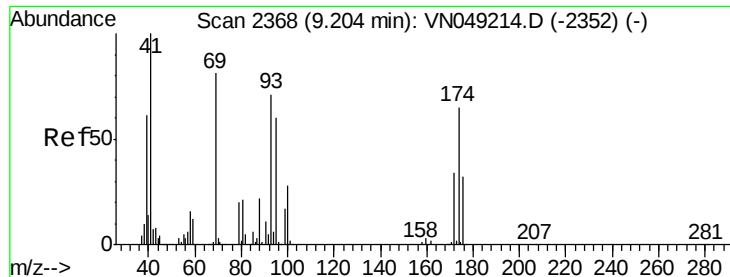
Tot Ion	83	Resp	359957
Ion Ratio	100		
Lower	49.4		
Upper	74.0		
85	64.5		
127	8.2		
	6.3		
	9.5		



#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	41	Resp	192426
Ion Ratio	100		
Lower	62.0		
Upper	93.0		
69	85.8		
39	57.9		
	50.6		
	75.8		

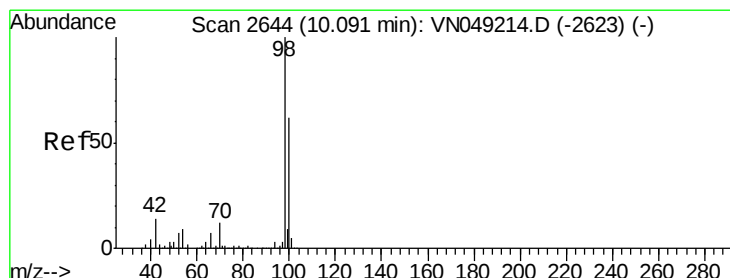
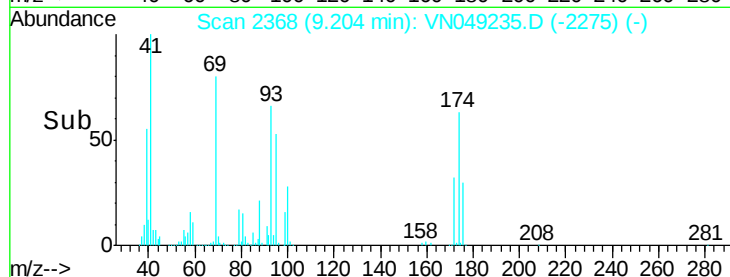
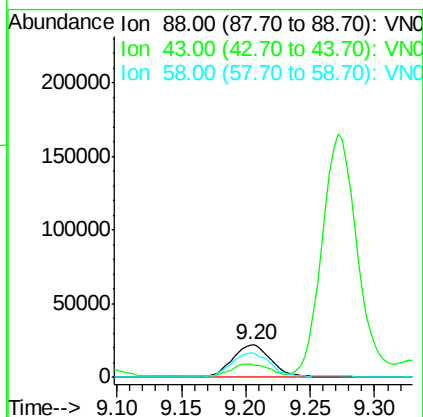
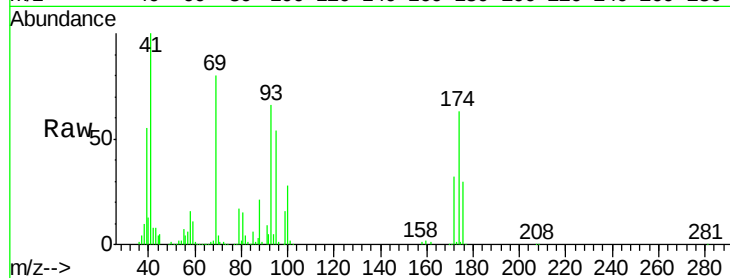




#49
1,4-Dioxane
Concen: 394.40 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

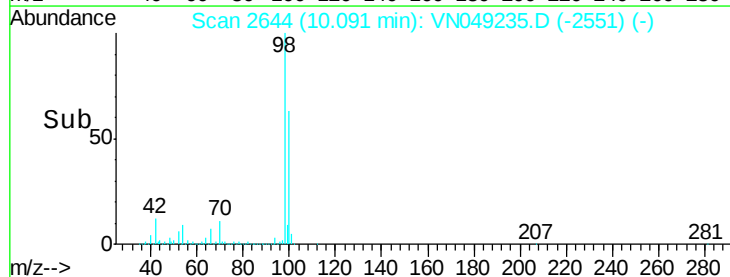
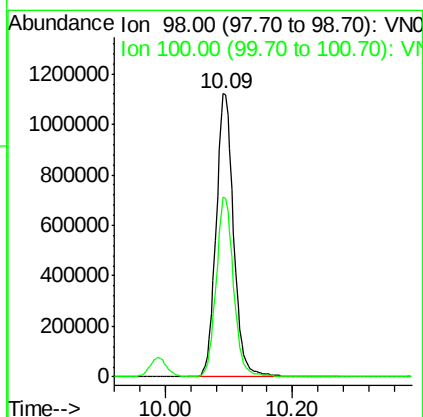
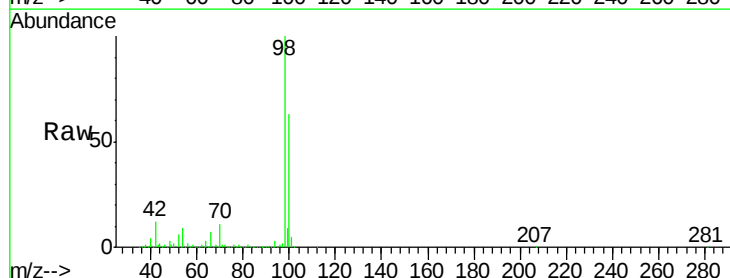
Instrument :
MSVOA_N
ClientSampleId :

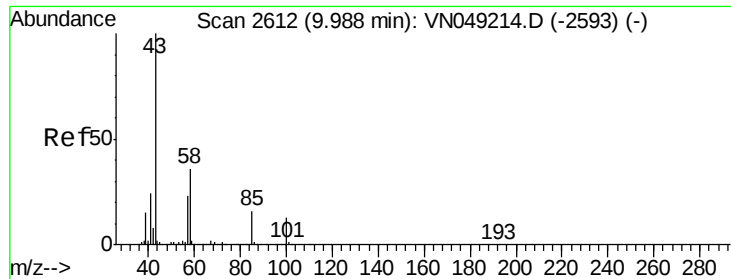
Tot Ion: 88 Resp: 46256
Ion Ratio Lower Upper
88 100
43 37.4 30.9 46.3
58 76.6 58.9 88.3



#50
Toluene-d8
Concen: 47.49 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 98 Resp: 2143280
Ion Ratio Lower Upper
98 100
100 62.9 49.8 74.8

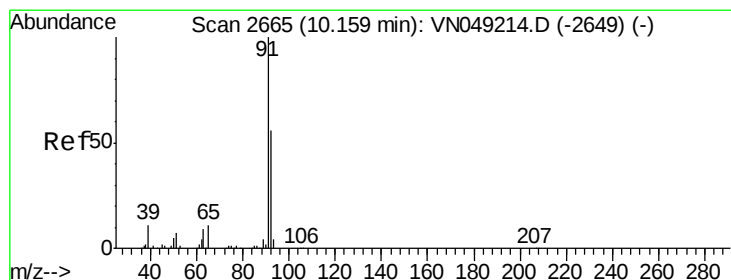
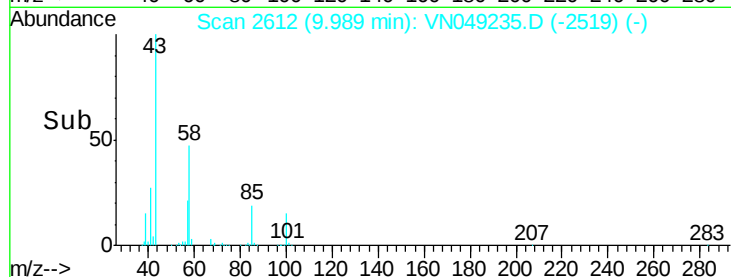
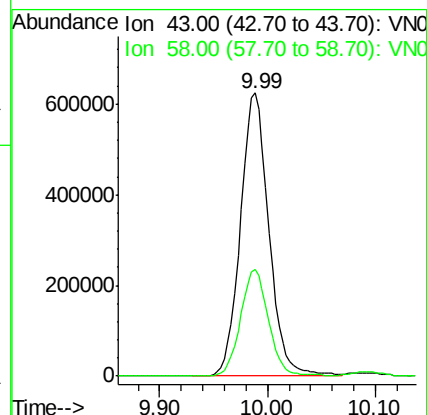
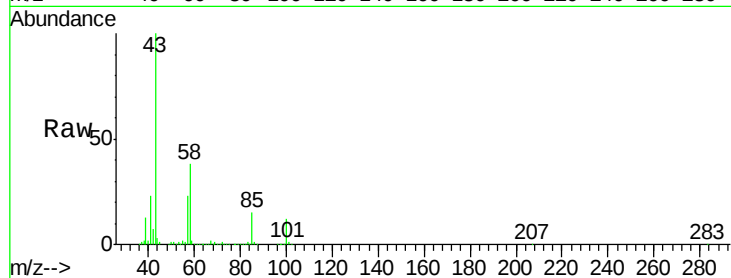




#51
 4-Methyl-2-Pentanone
 Concen: 105.94 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

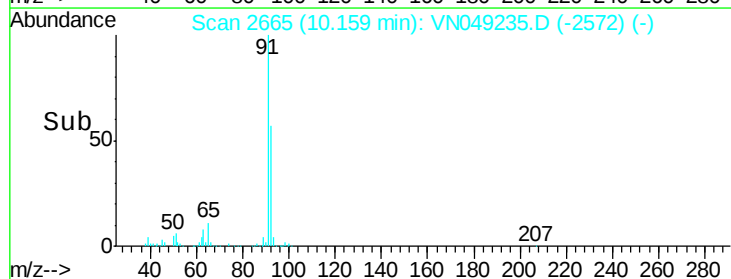
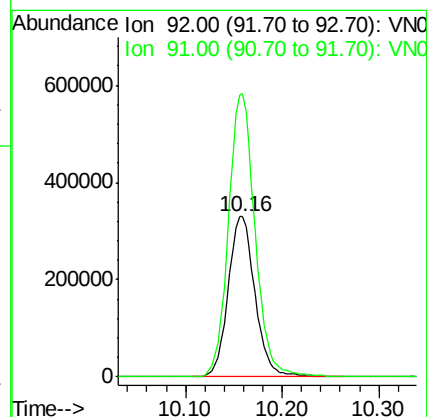
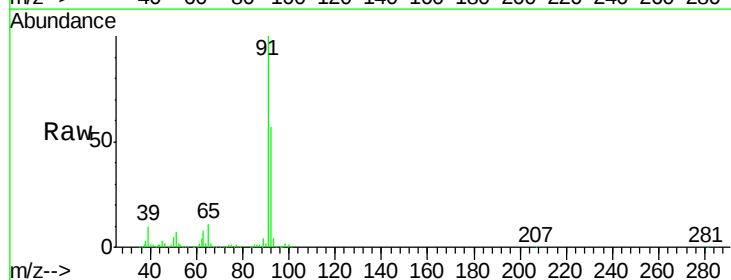
Instrument :
 MSVOA_N
 ClientSampleId :

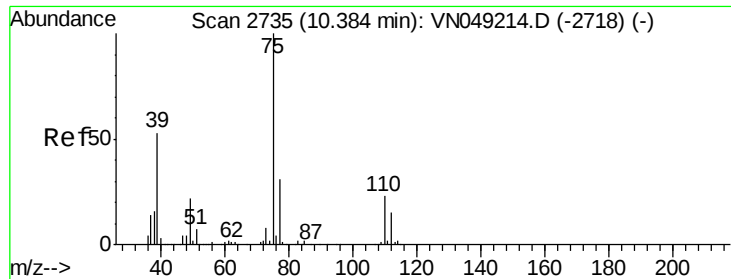
Tot Ion: 43 Resp: 1146714
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.0 43.6



#52
 Toluene
 Concen: 20.47 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 92 Resp: 632011
 Ion Ratio Lower Upper
 92 100
 91 175.8 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

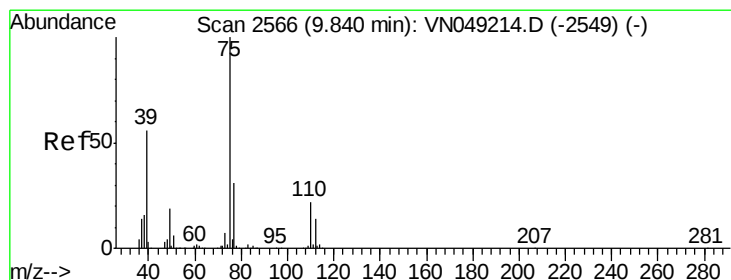
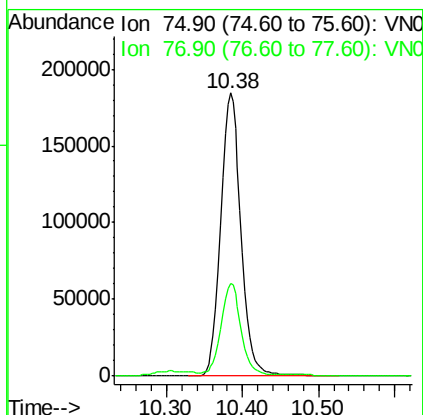
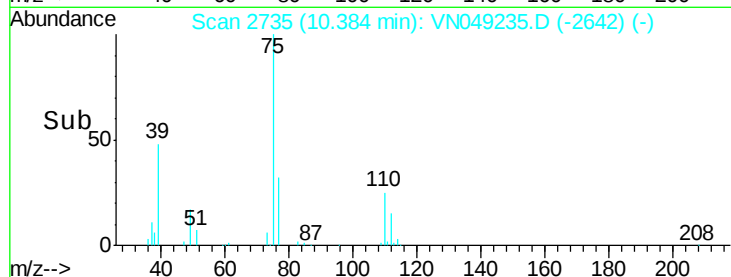
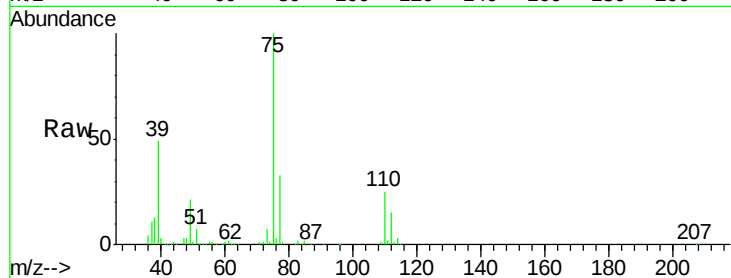
ClientSampled :

Tot Ion: 75 Resp: 342309

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.40 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

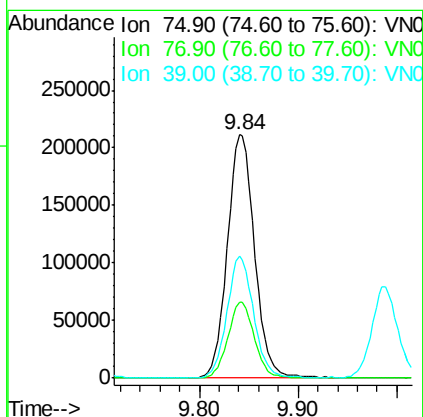
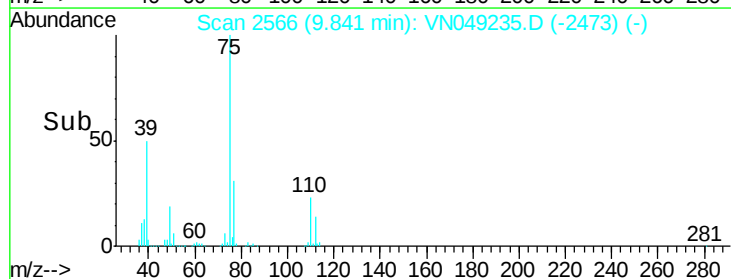
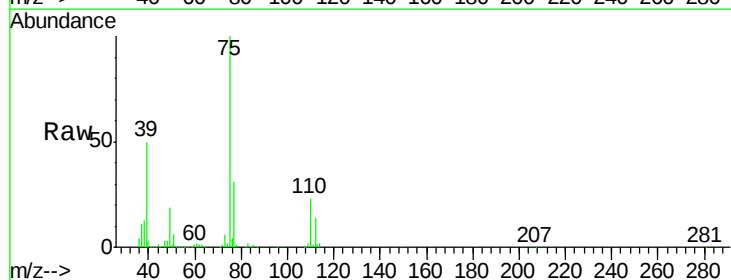
Tgt Ion: 75 Resp: 408165

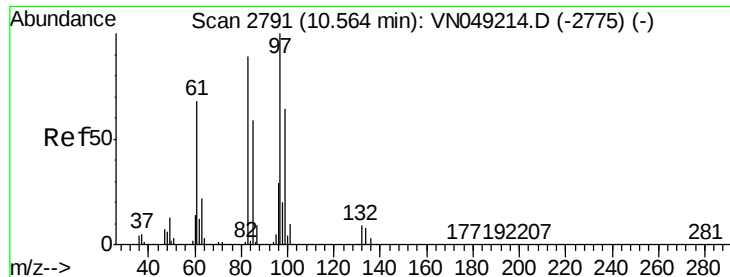
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 49.9 45.1 67.7

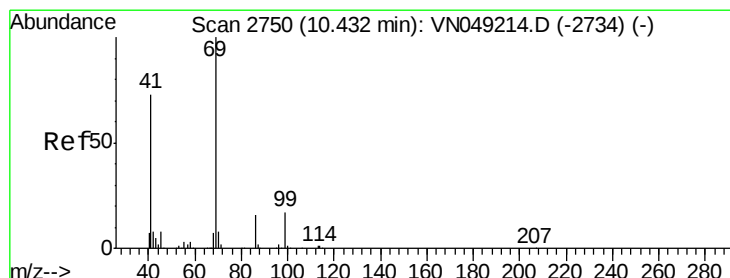
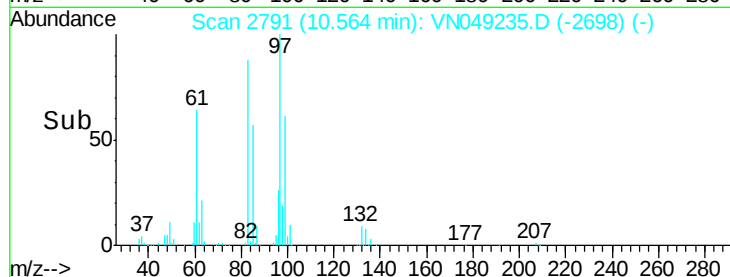
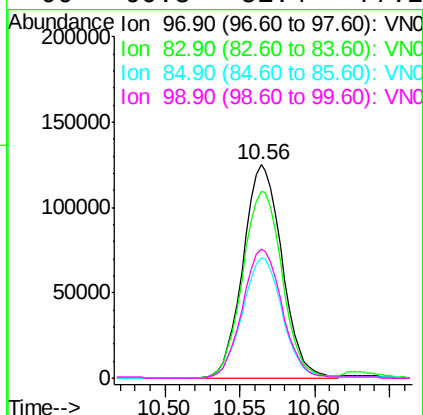
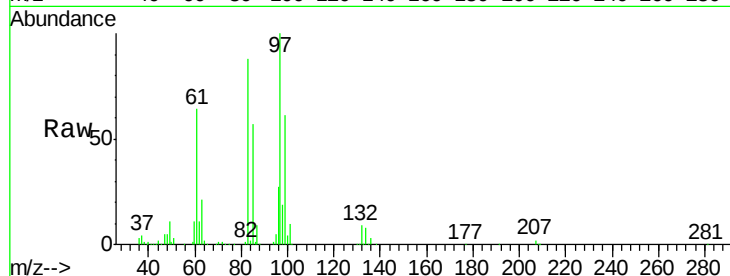




#55
 1,1,2-Trichloroethane
 Concen: 20.09 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

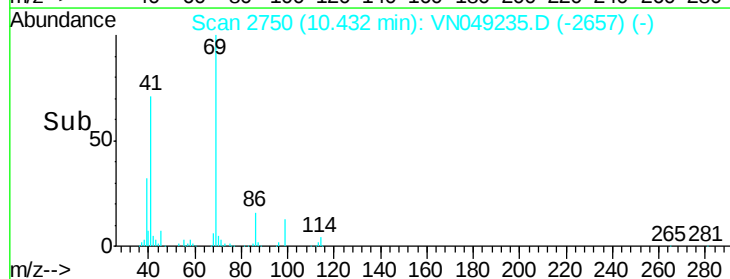
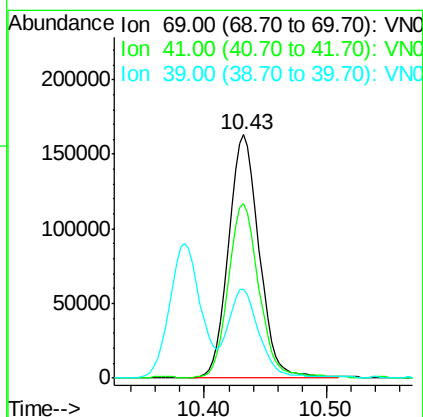
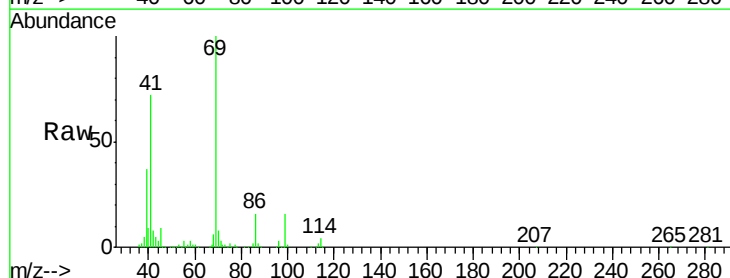
Instrument :
 MSVOA_N
 ClientSampleId :

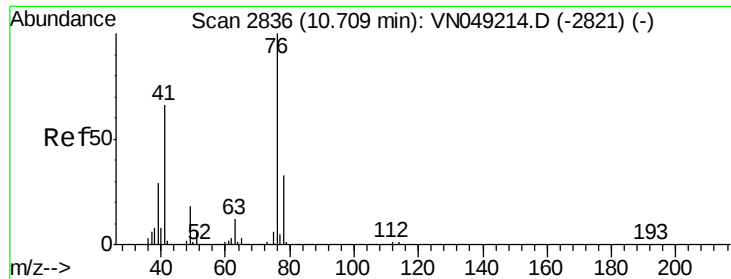
Tot Ion:	97	Resp:	227622
Ion	Ratio	Lower	Upper
97	100		
83	87.7	71.5	107.3
85	56.6	47.0	70.4
99	60.8	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 20.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion:	69	Resp:	286600
Ion	Ratio	Lower	Upper
69	100		
41	71.0	58.4	87.6
39	36.4	35.5	53.3

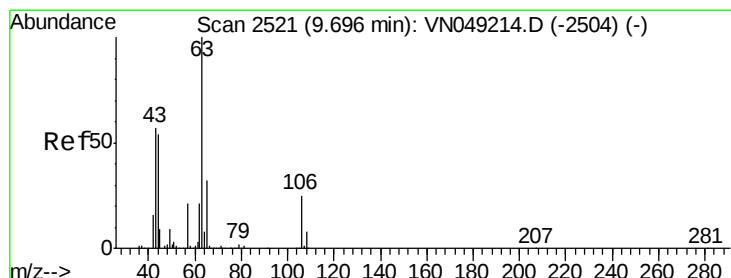
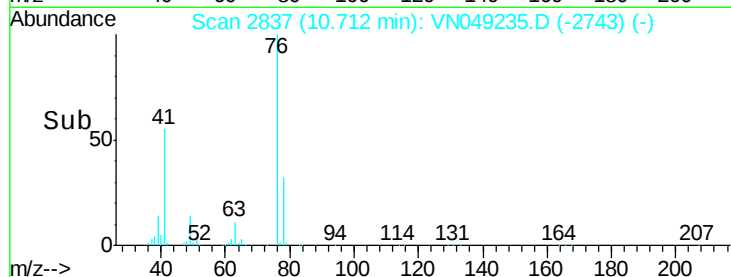
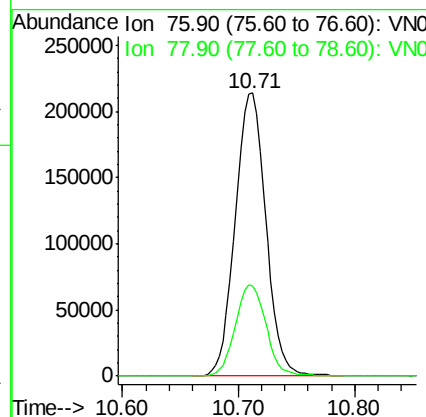
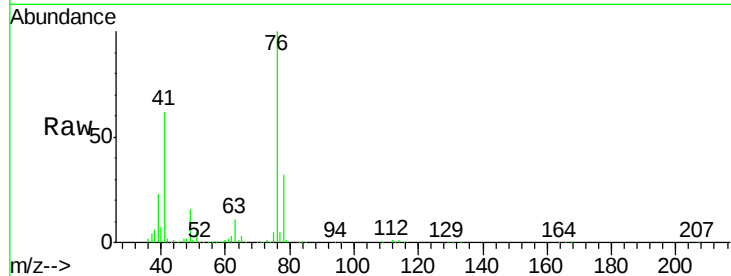




#57
 1,3-Dichloropropane
 Concen: 20.14 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

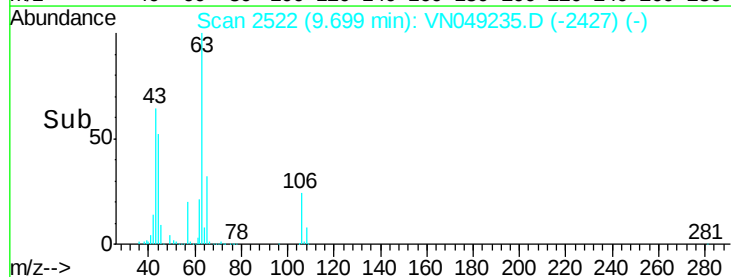
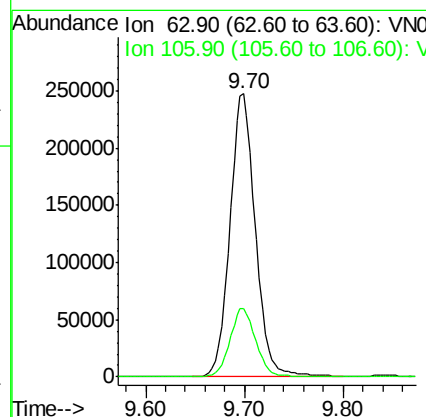
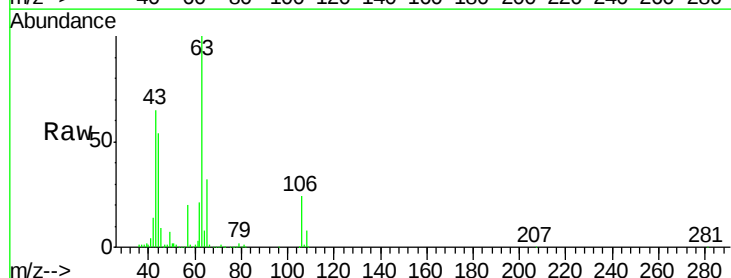
Instrument :
 MSVOA_N
 ClientSampleId :

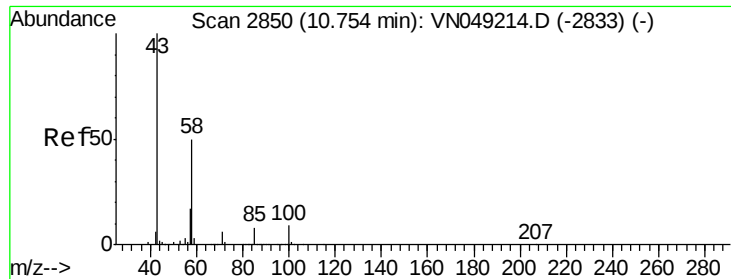
Tot Ion: 76 Resp: 391270
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.91 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 63 Resp: 447492
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.2

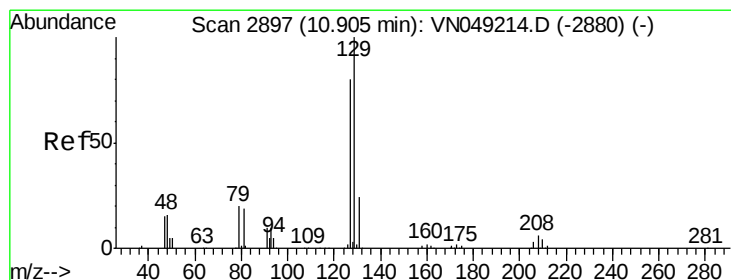
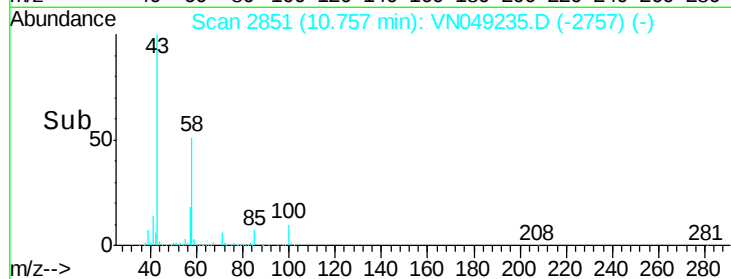
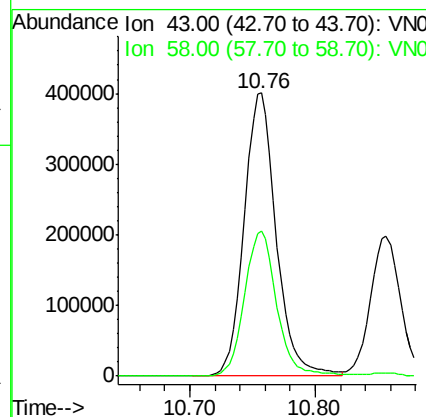
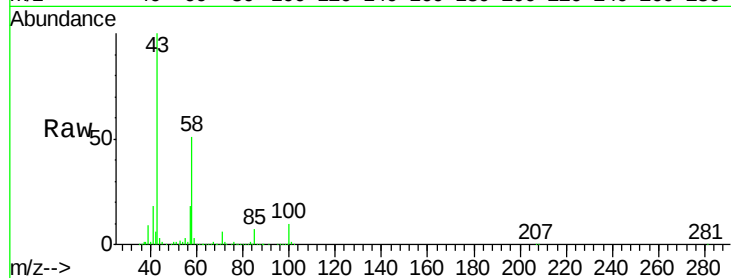




#59
2-Hexanone
Concen: 105.52 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

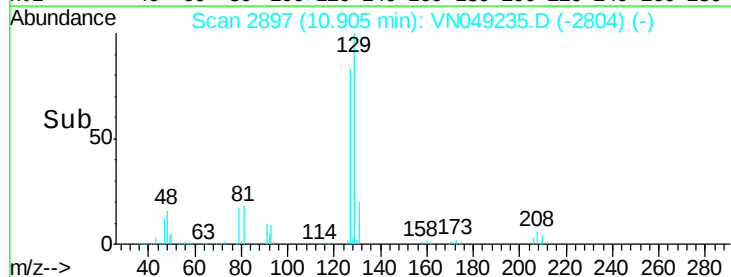
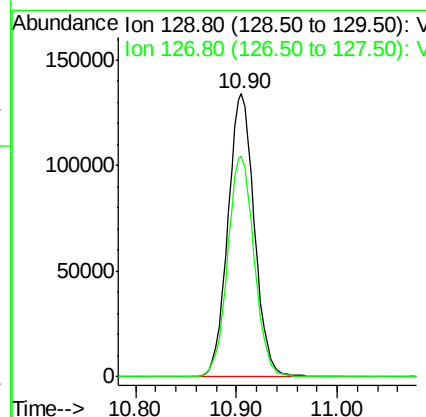
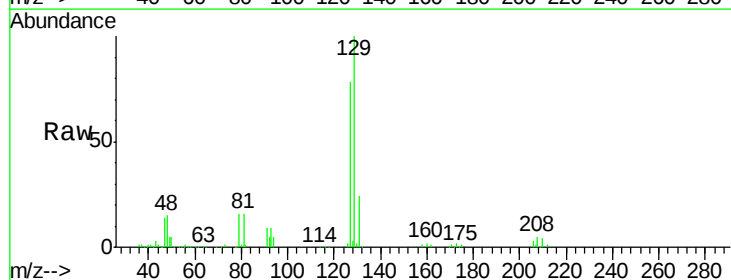
Instrument :
MSVOA_N
ClientSampled :

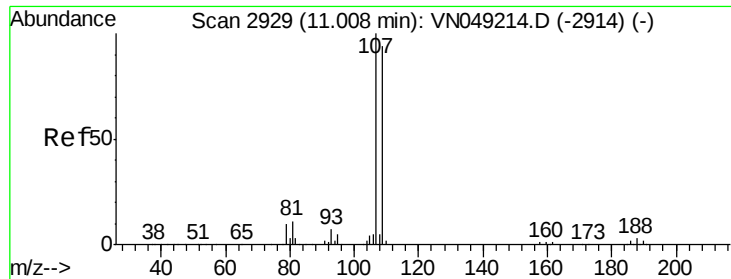
Tot Ion: 43 Resp: 711690
Ion Ratio Lower Upper
43 100
58 51.6 25.2 75.6



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 129 Resp: 245760
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2

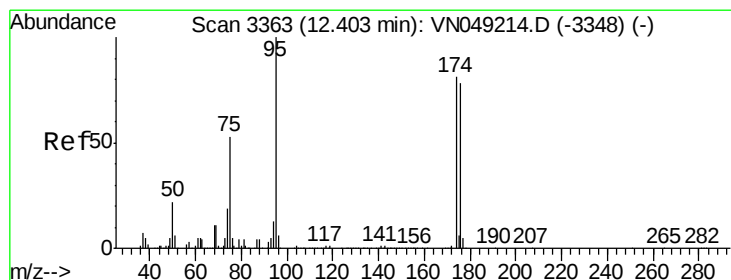
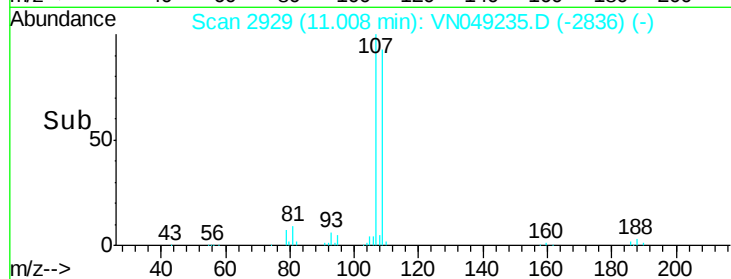
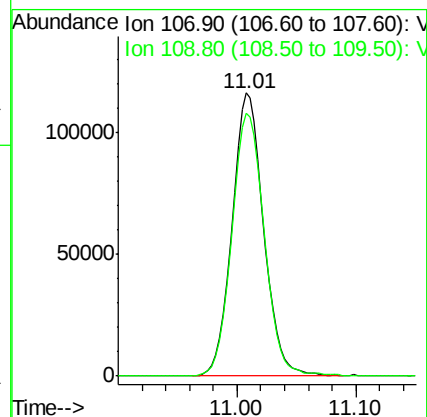
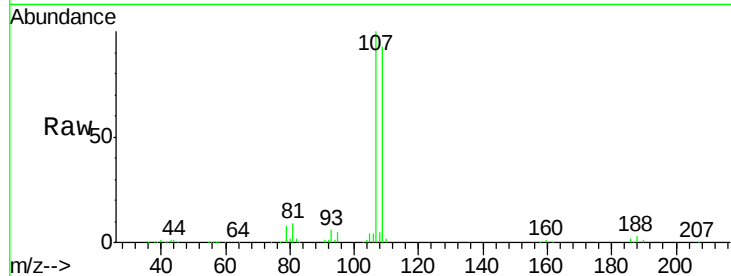




#61
 1,2-Dibromoethane
 Concen: 20.29 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

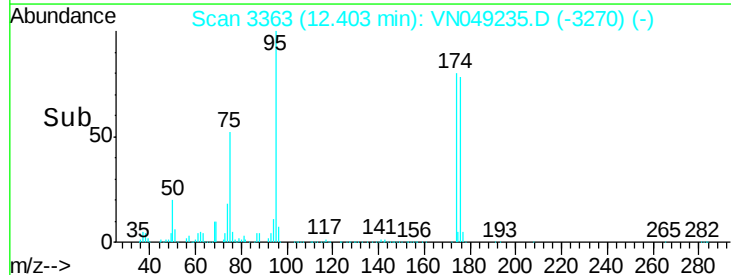
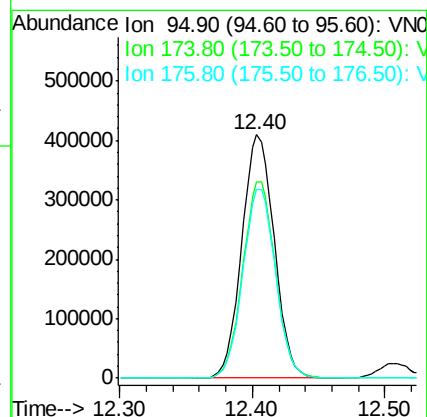
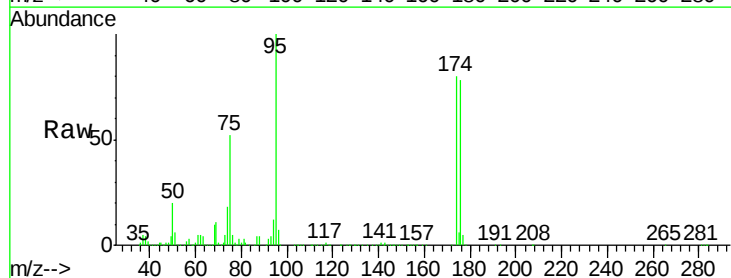
Instrument :
 MSVOA_N
 ClientSampled :

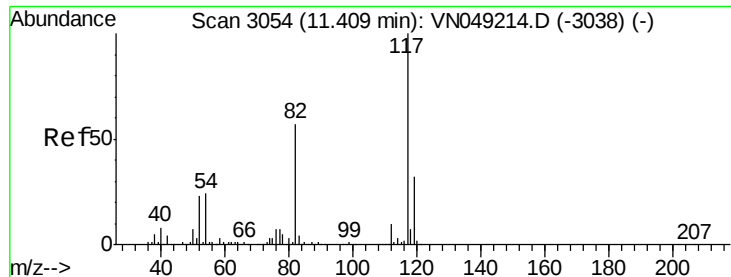
Tot Ion:107 Resp: 212550
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 46.47 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion: 95 Resp: 696050
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 165.6
 176 78.3 0.0 157.4

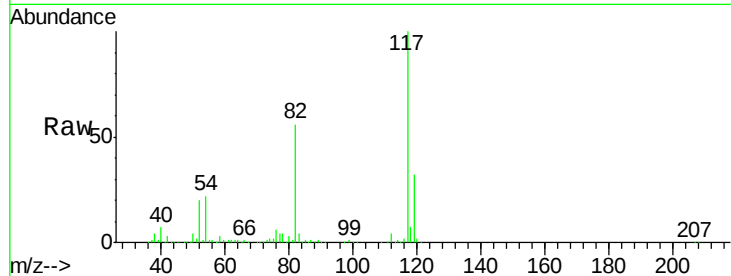




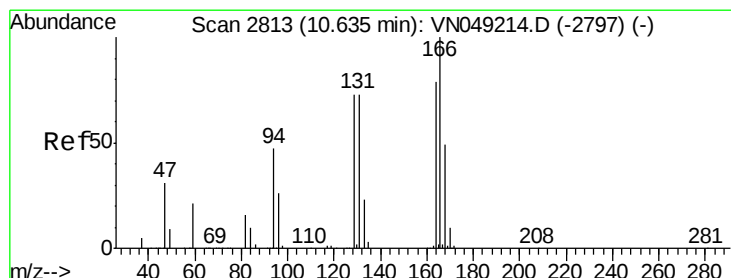
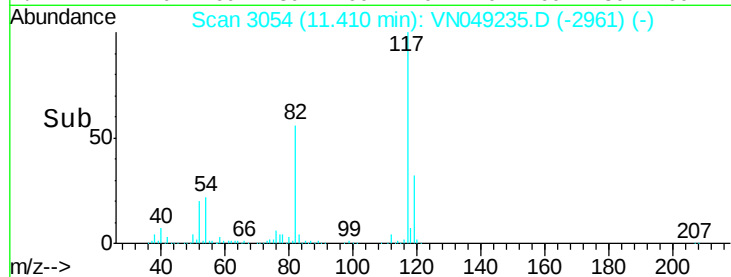
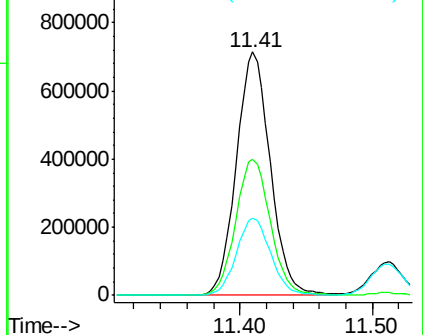
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1272432
Ion Ratio Lower Upper
117 100
82 56.2 45.9 68.9
119 31.9 25.5 38.3

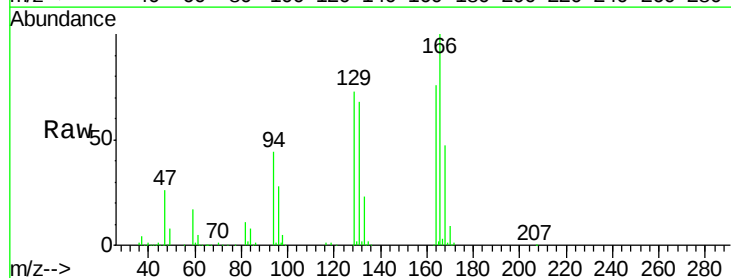


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

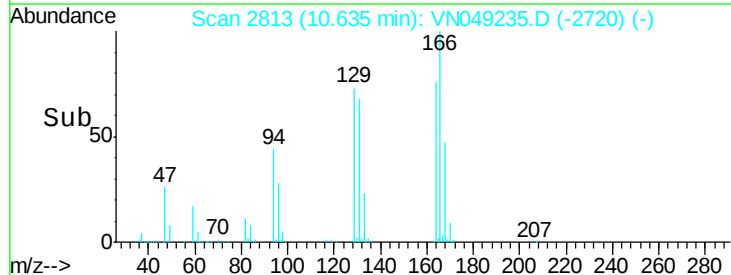
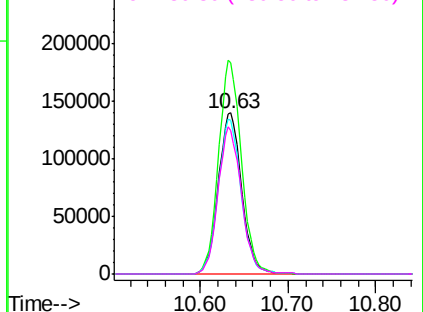


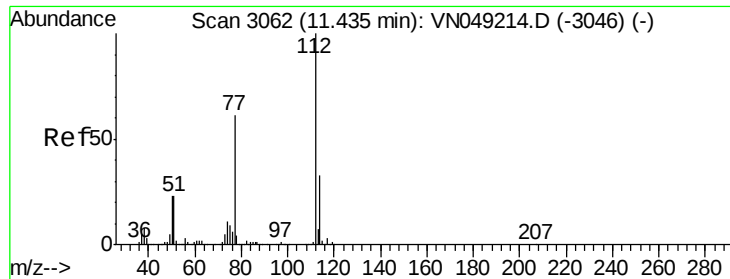
#64
Tetrachloroethene
Concen: 20.23 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion:164 Resp: 257955
Ion Ratio Lower Upper
164 100
166 131.4 101.4 152.2
129 95.3 74.1 111.1
131 89.2 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

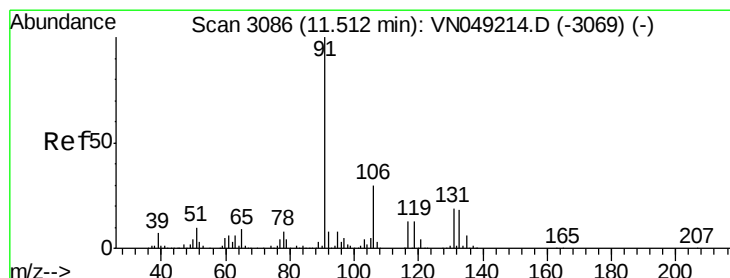
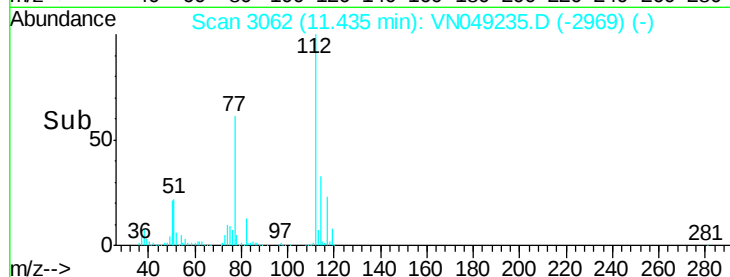
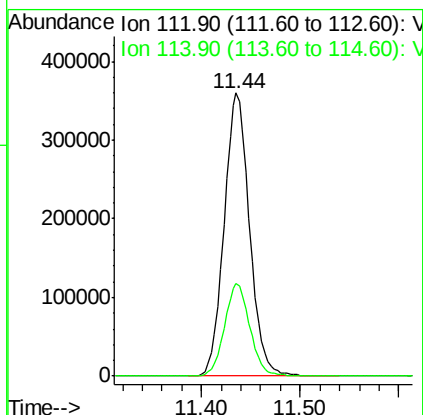
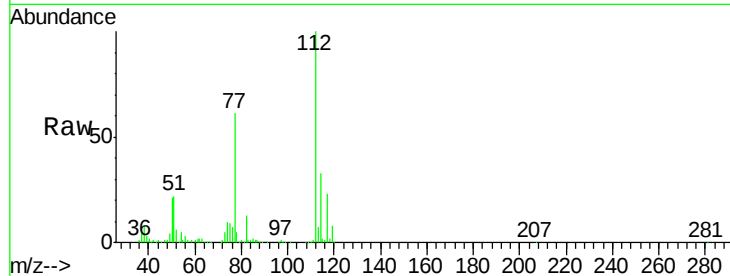




#65
Chlorobenzene
Concen: 19.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

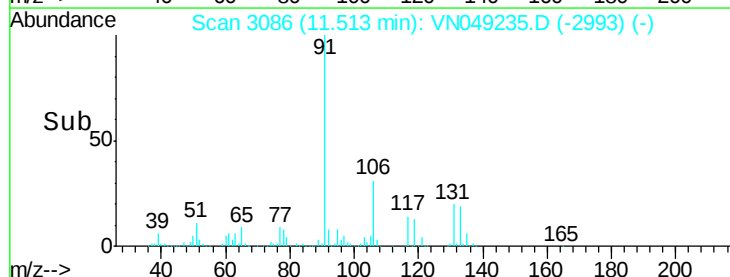
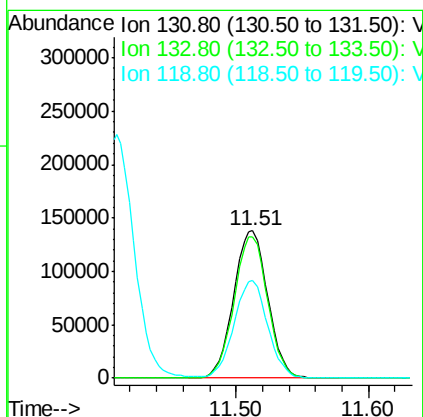
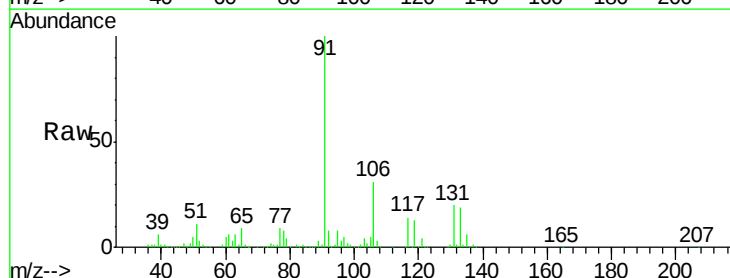
Instrument :
MSVOA_N
ClientSampleId :

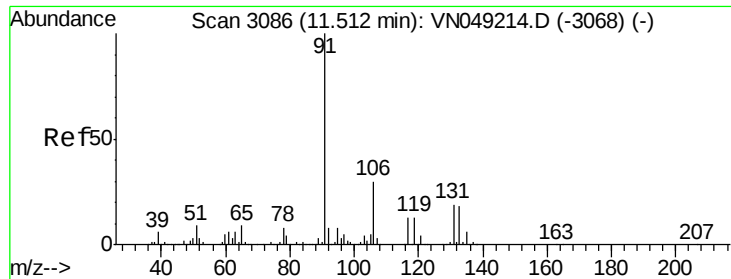
Tot Ion:112 Resp: 648628
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.80 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion:131 Resp: 247249
Ion Ratio Lower Upper
131 100
133 94.4 48.0 144.2
119 65.2 33.6 100.8

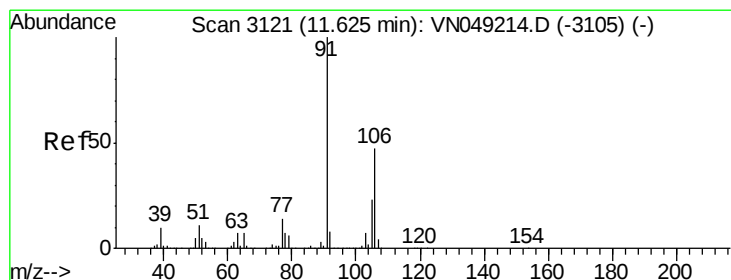
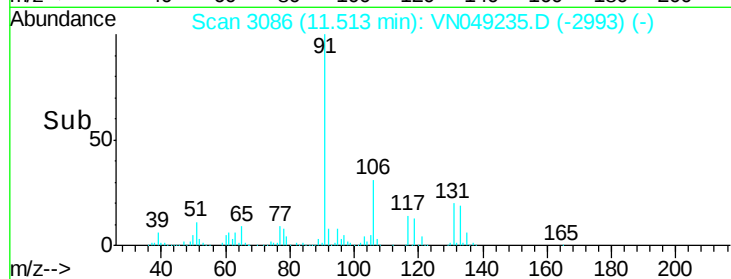
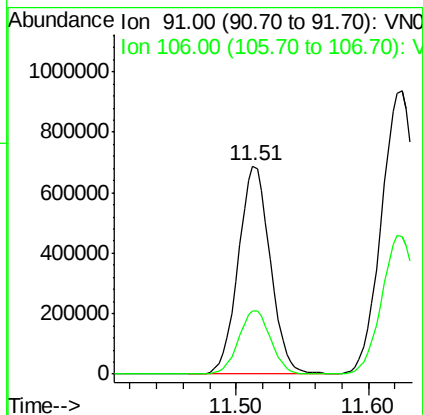
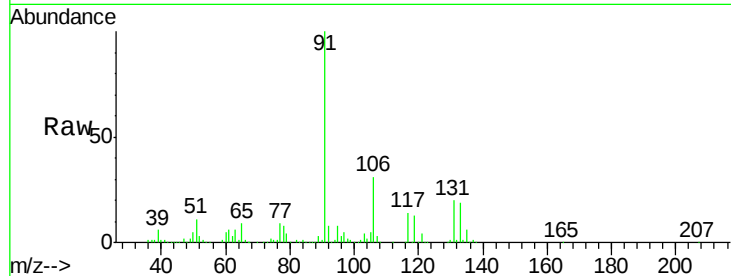




#67
Ethyl Benzene
Concen: 20.36 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

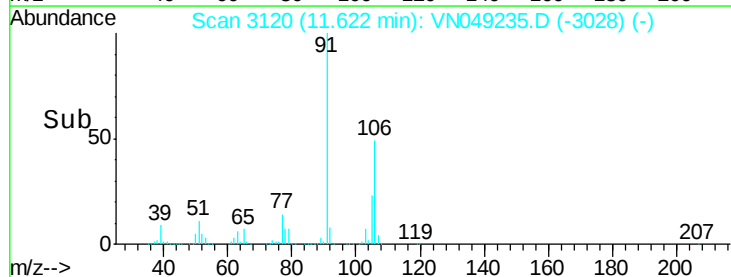
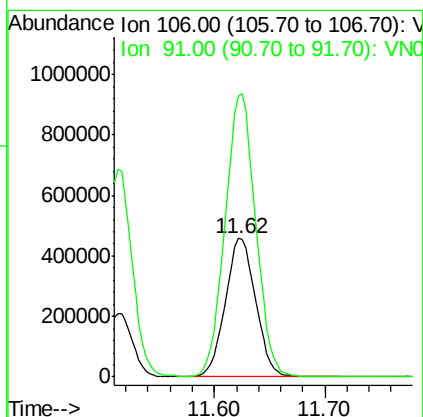
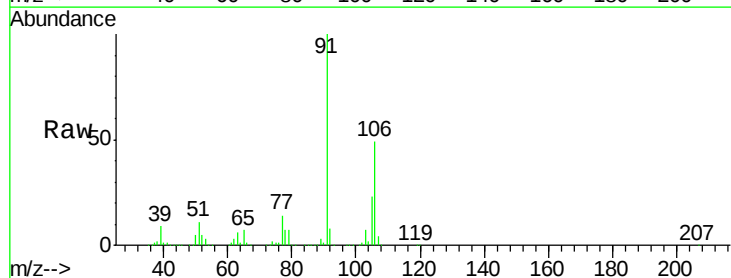
Instrument :
MSVOA_N
ClientSampleId :

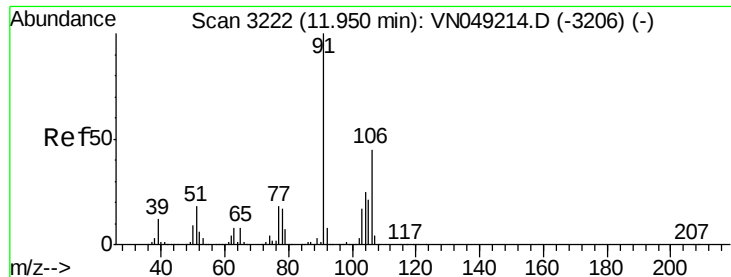
Tot Ion: 91 Resp: 1152809
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9



#68
m/p-Xylenes
Concen: 42.37 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 106 Resp: 877401
Ion Ratio Lower Upper
106 100
91 204.9 167.3 250.9

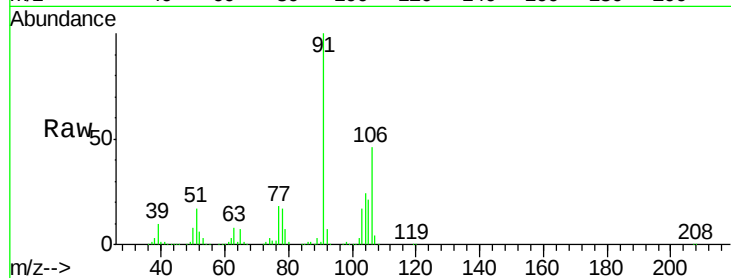




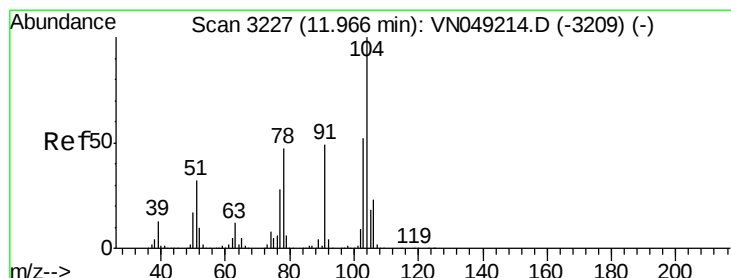
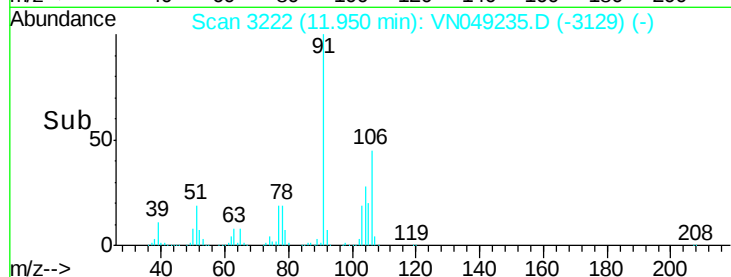
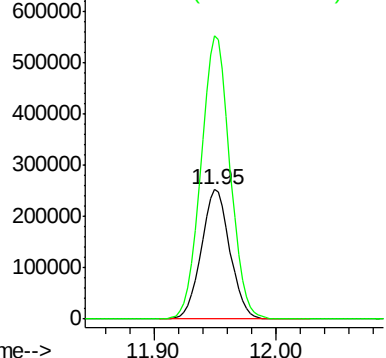
#69
o-Xylene
Concen: 20.73 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 413380
Ion Ratio Lower Upper
106 100
91 221.3 111.0 333.0

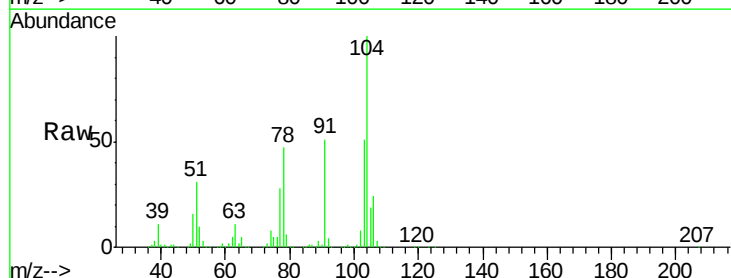


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

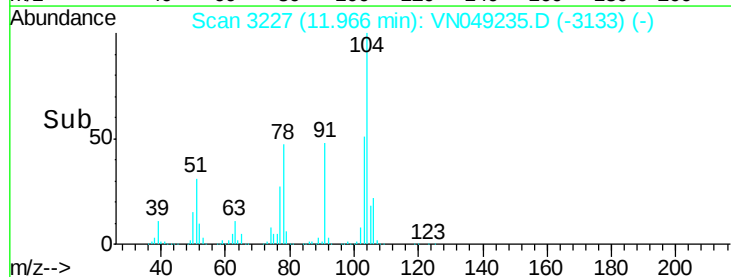
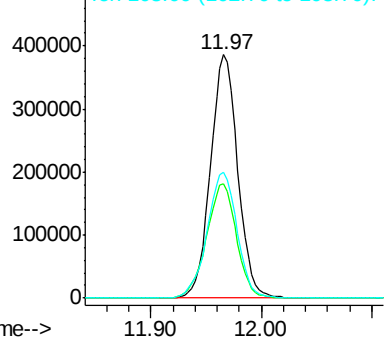


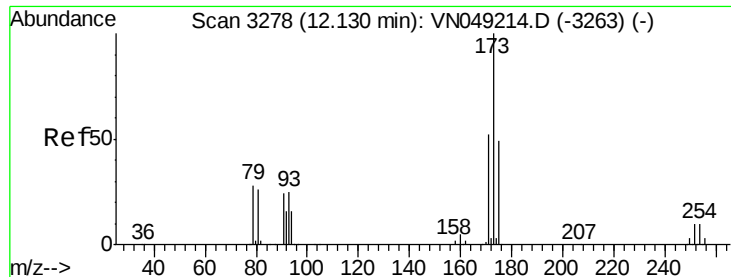
#70
Styrene
Concen: 20.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion:104 Resp: 660017
Ion Ratio Lower Upper
104 100
78 51.6 41.6 62.4
103 56.6 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.96 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampled :

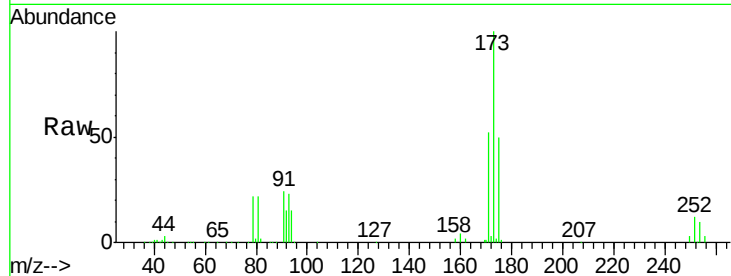
Tot Ion:173 Resp: 155793

Ion Ratio Lower Upper

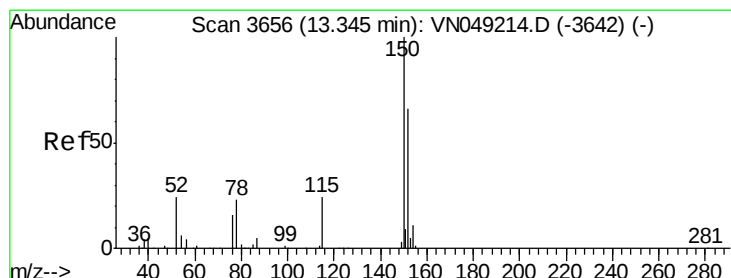
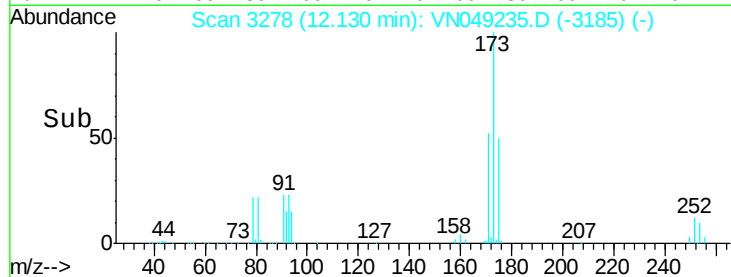
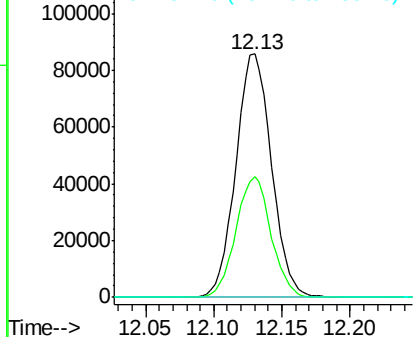
173 100

175 48.6 24.5 73.5

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

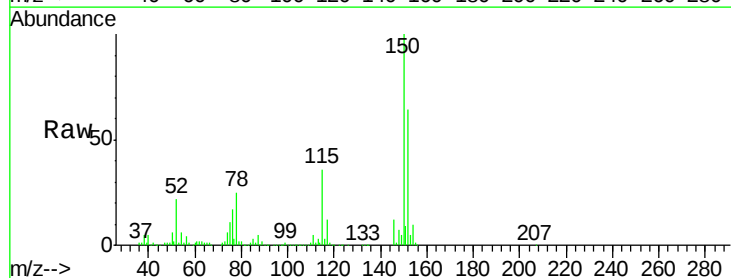
Tgt Ion:152 Resp: 605913

Ion Ratio Lower Upper

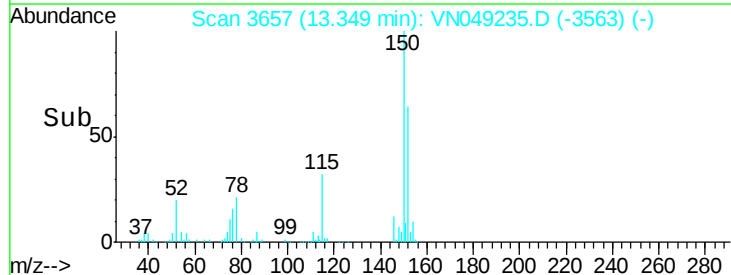
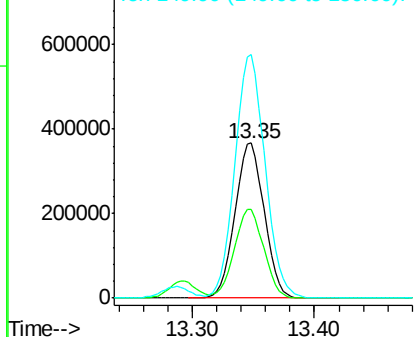
152 100

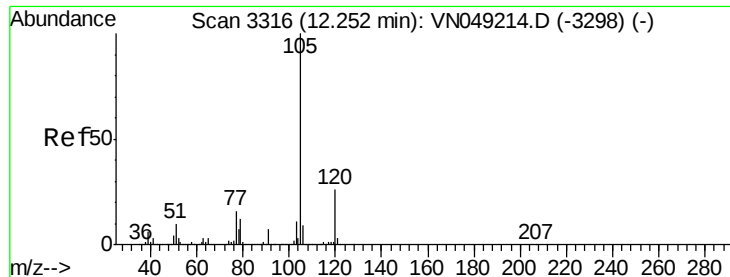
115 57.8 28.7 86.1

150 163.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.10 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

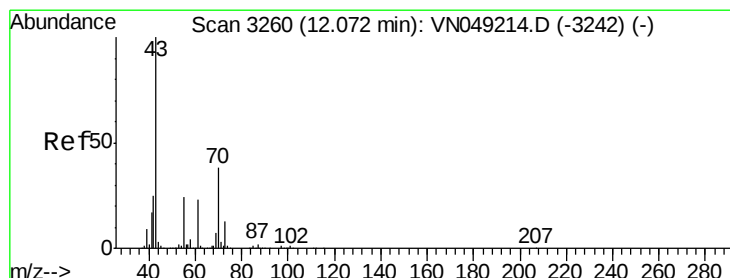
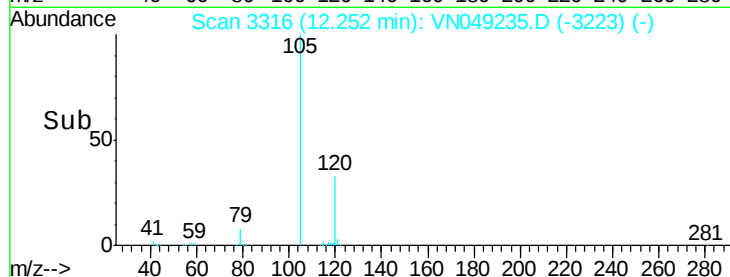
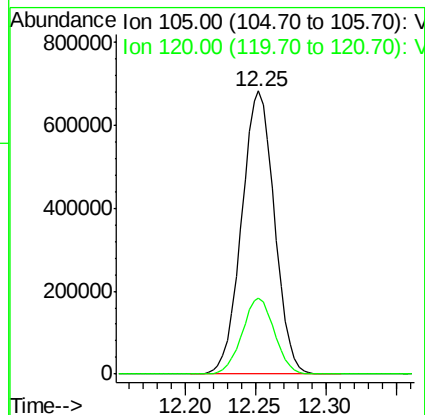
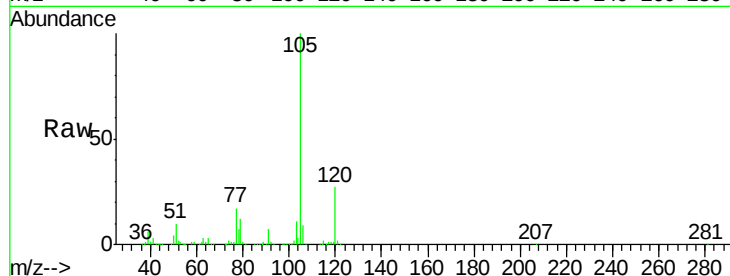
ClientSampleId :

Tot Ion:105 Resp: 1111740

Ion Ratio Lower Upper

105 100

120 26.5 12.8 38.3



#74

N-ethyl acetate

Concen: 19.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion: 43 Resp: 318769

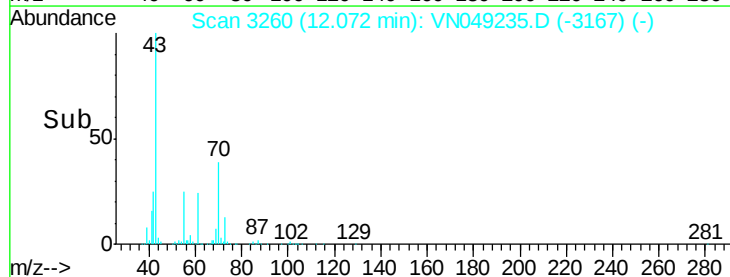
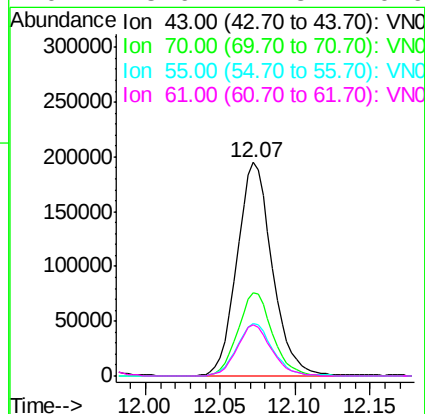
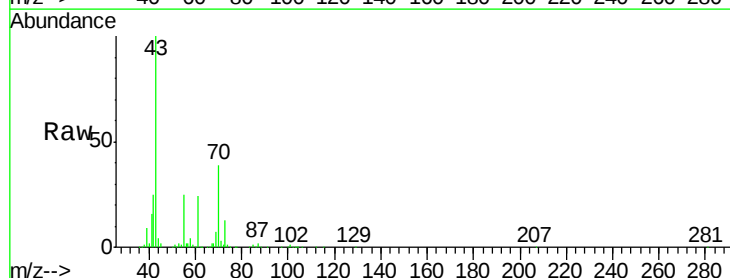
Ion Ratio Lower Upper

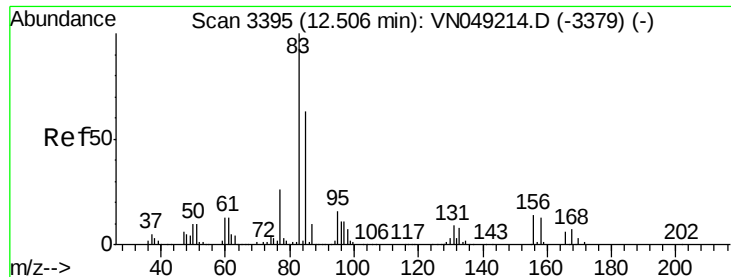
43 100

70 38.7 30.3 45.5

55 25.0 19.4 29.2

61 23.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.20 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

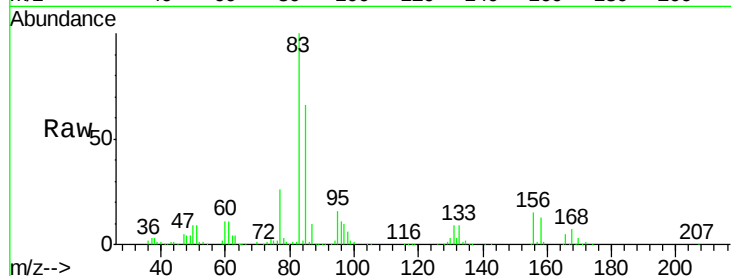
Tot Ion: 83 Resp: 271491

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

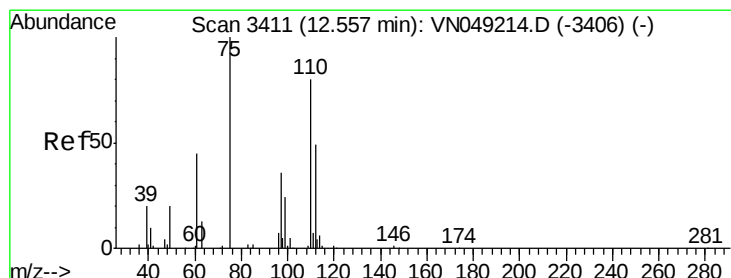
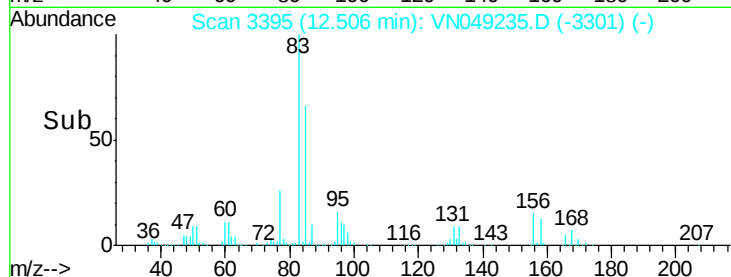
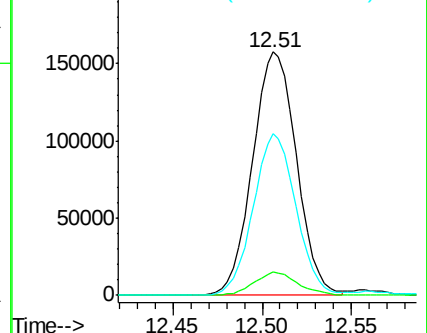
85 64.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 32.87 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049235.D

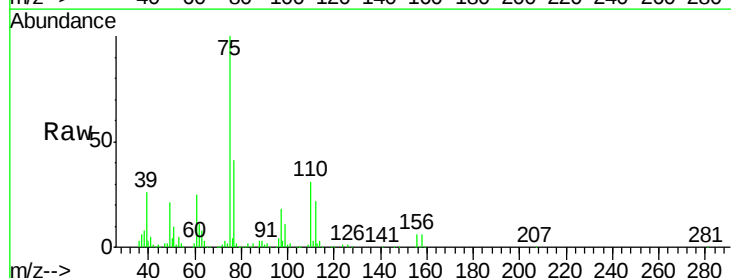
Acq: 14 Jun 2018 18:25

Tgt Ion: 75 Resp: 337755

Ion Ratio Lower Upper

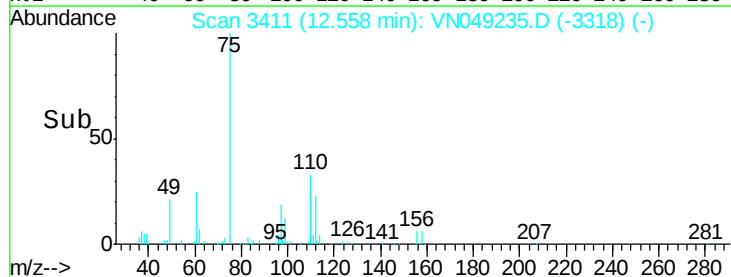
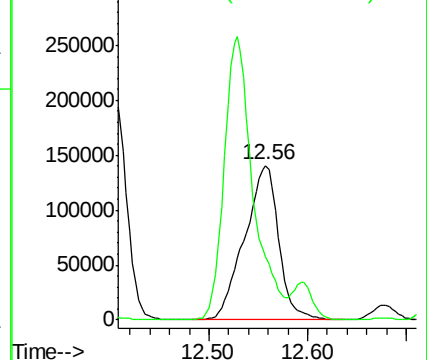
75 100

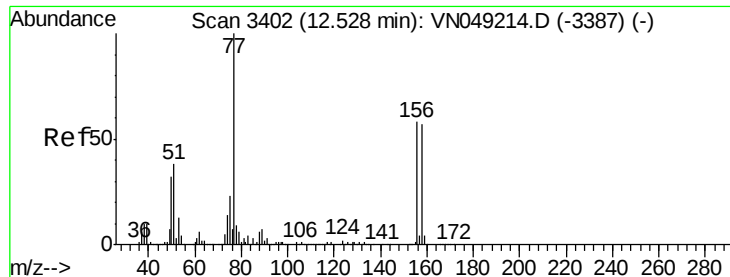
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.56 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

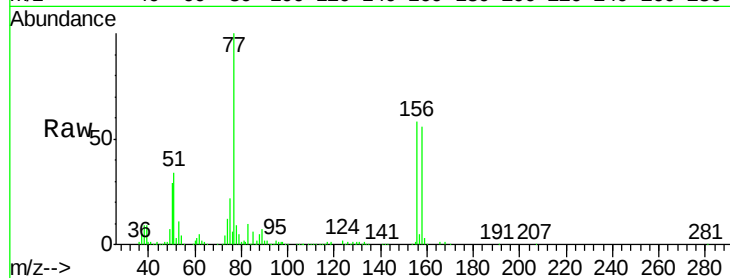
Tot Ion:156 Resp: 264618

Ion Ratio Lower Upper

156 100

77 199.4 100.8 302.4

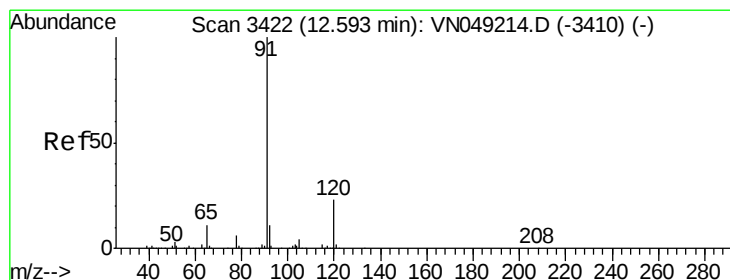
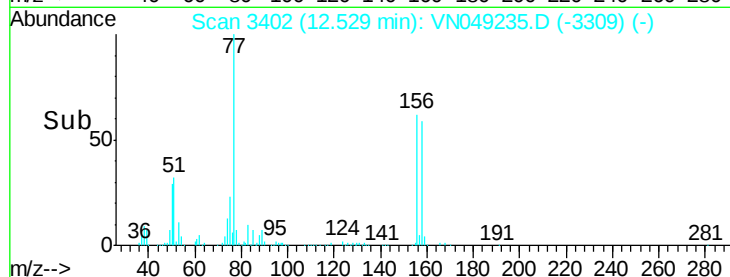
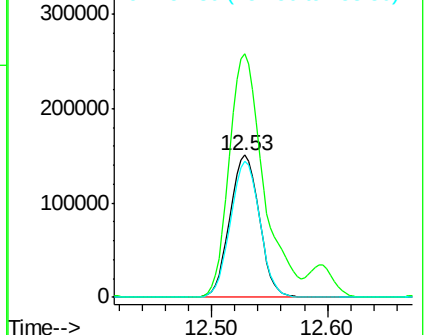
158 95.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.68 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049235.D

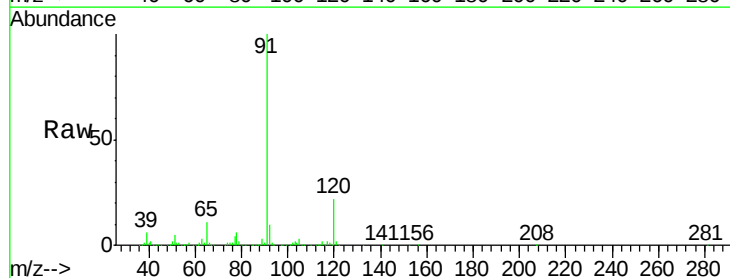
Acq: 14 Jun 2018 18:25

Tgt Ion: 91 Resp: 1272523

Ion Ratio Lower Upper

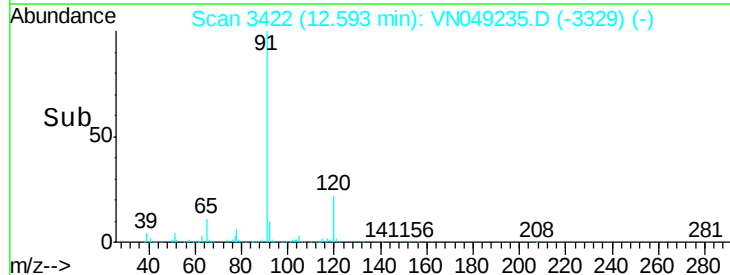
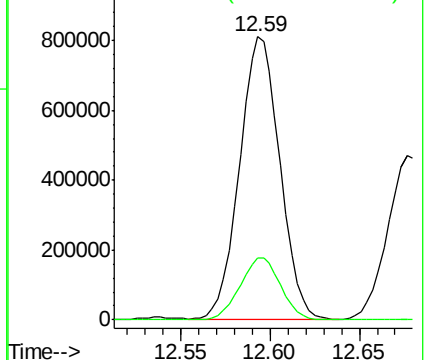
91 100

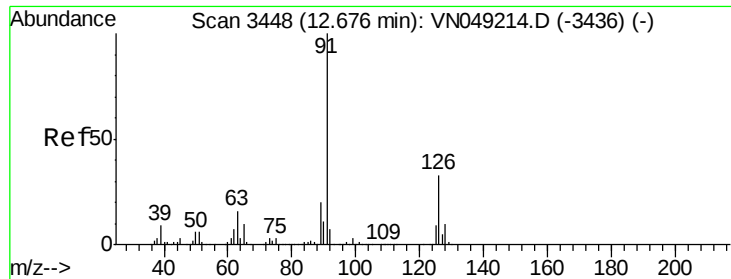
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

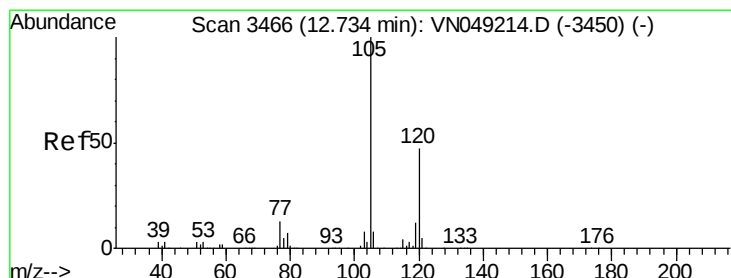
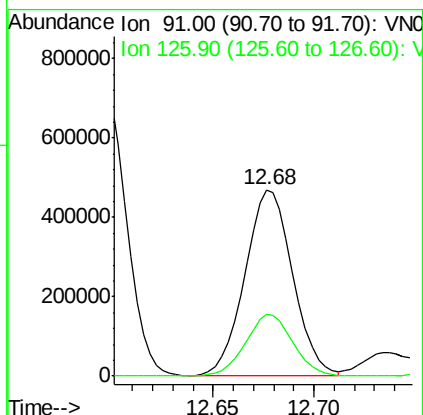
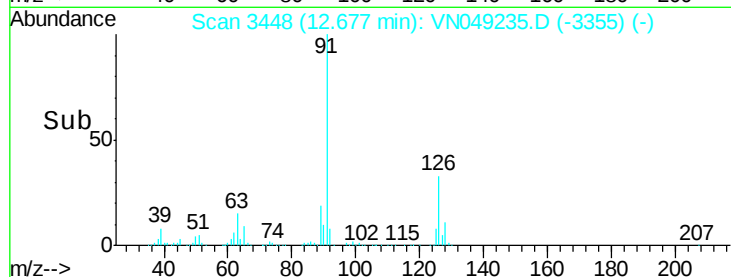
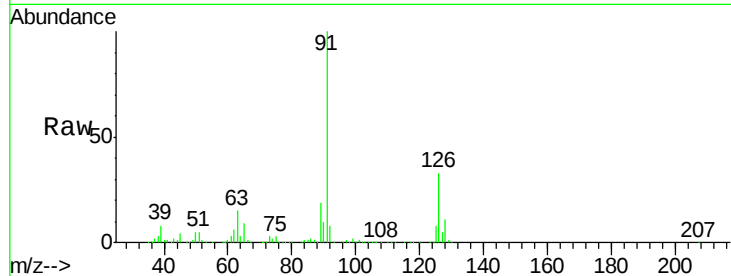
ClientSampled :

Tot Ion: 91 Resp: 774647

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049235.D

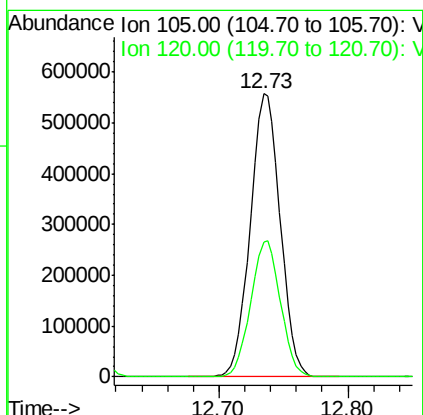
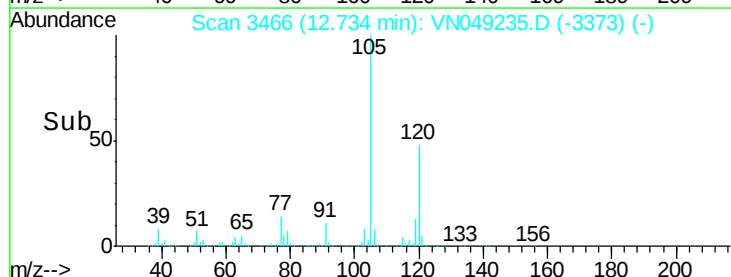
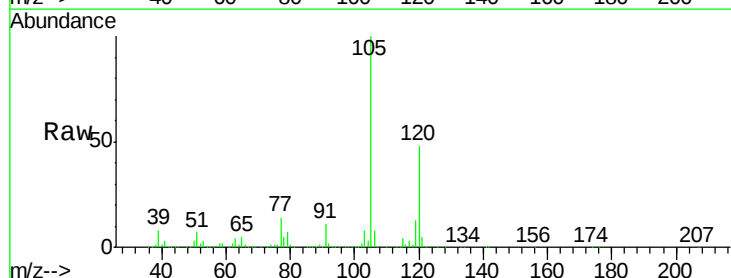
Acq: 14 Jun 2018 18:25

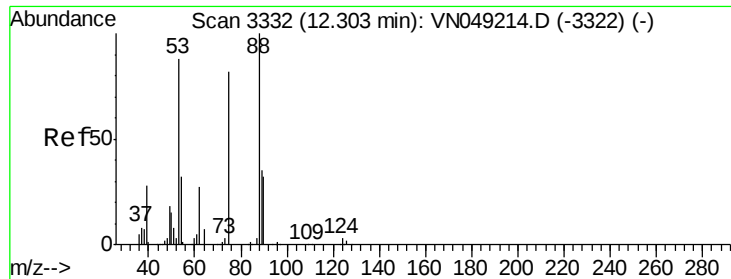
Tgt Ion: 105 Resp: 901537

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.5

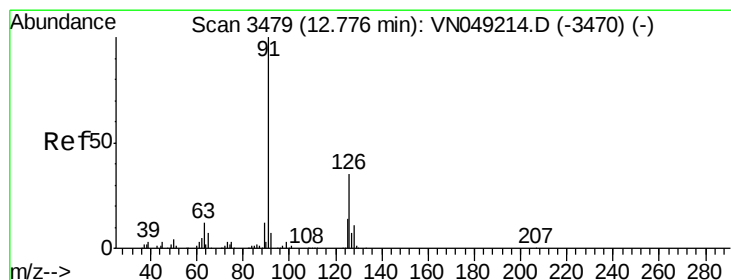
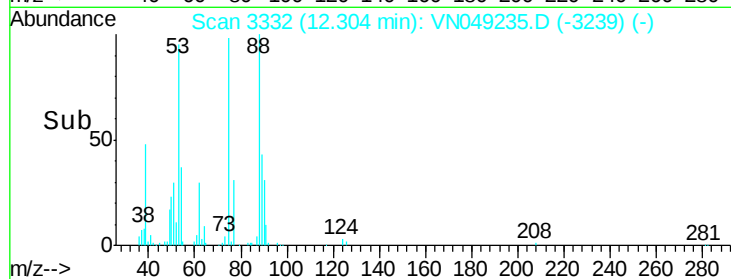
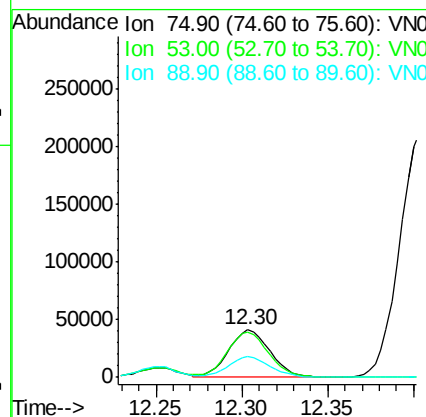
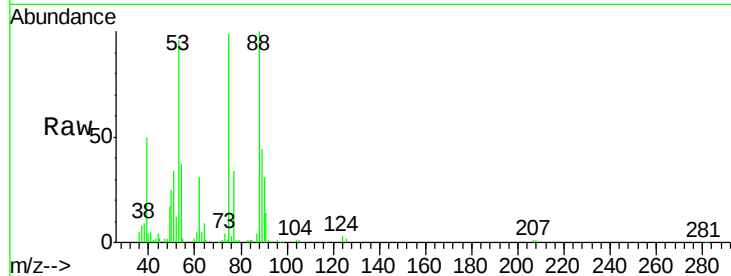




#81
trans-1,4-Dichloro-2-butene
Concen: 19.12 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

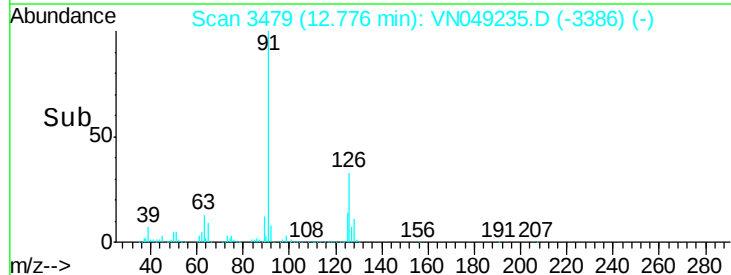
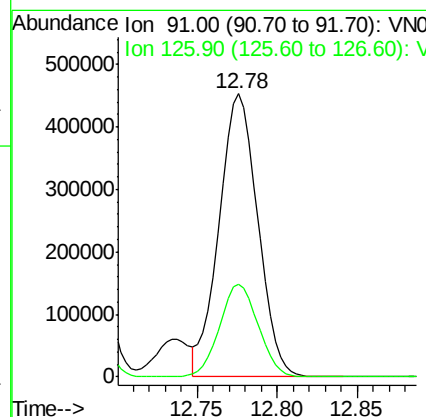
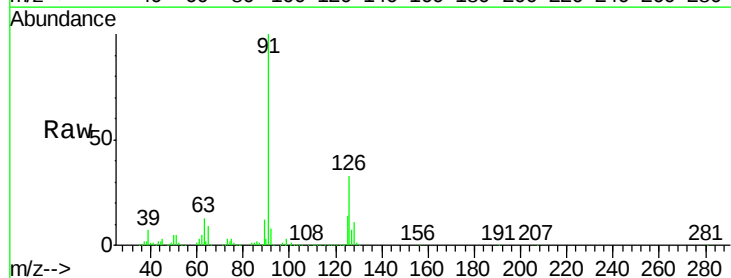
Instrument :
MSVOA_N
ClientSampled :

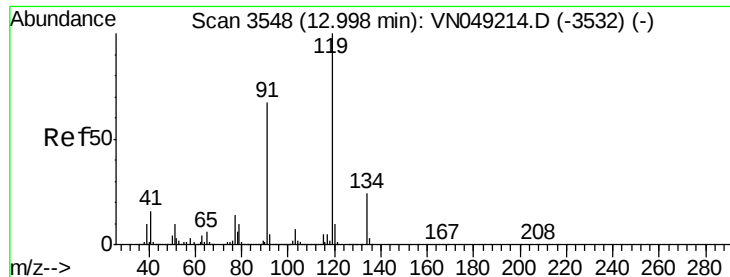
Tot Ion: 75 Resp: 69329
Ion Ratio Lower Upper
75 100
53 95.1 82.7 124.1
89 44.0 36.5 54.7



#82
4-Chlorotoluene
Concen: 19.47 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 91 Resp: 752843
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1





#83

tert-Butylbenzene

Concen: 19.46 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampled :

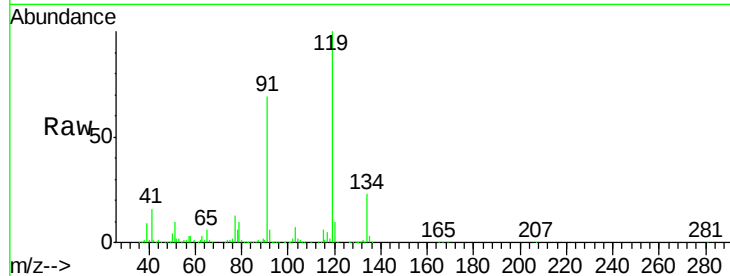
Tot Ion:119 Resp: 747894

Ion Ratio Lower Upper

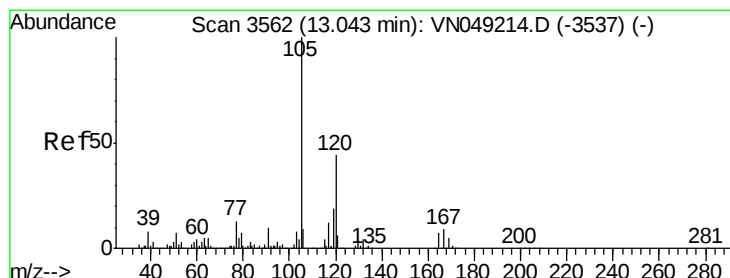
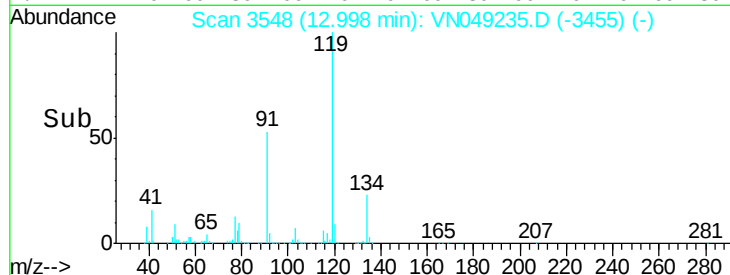
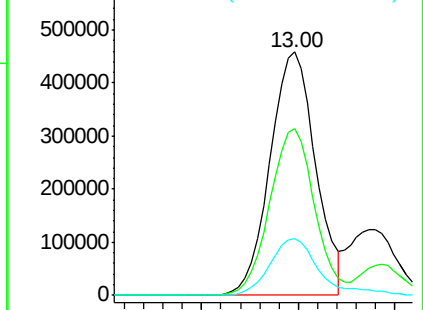
119 100

91 67.2 33.7 101.0

134 25.7 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.31 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049235.D

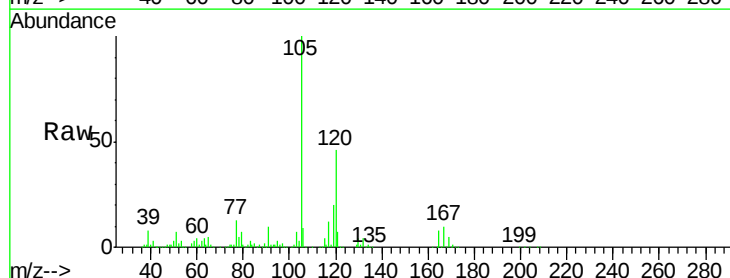
Acq: 14 Jun 2018 18:25

Tgt Ion:105 Resp: 900881

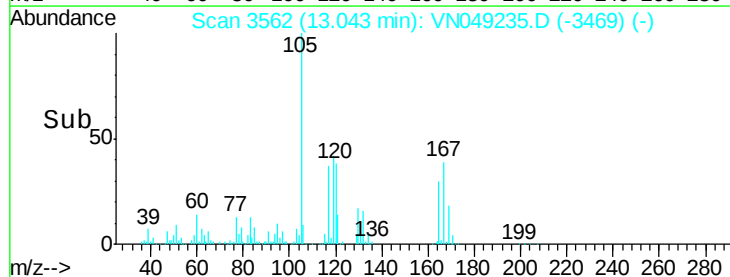
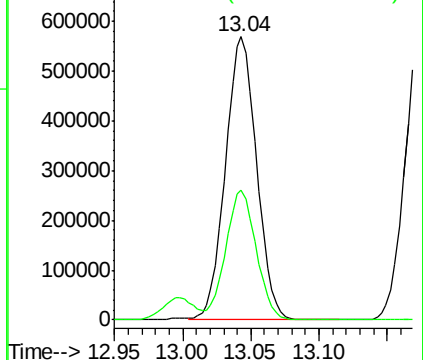
Ion Ratio Lower Upper

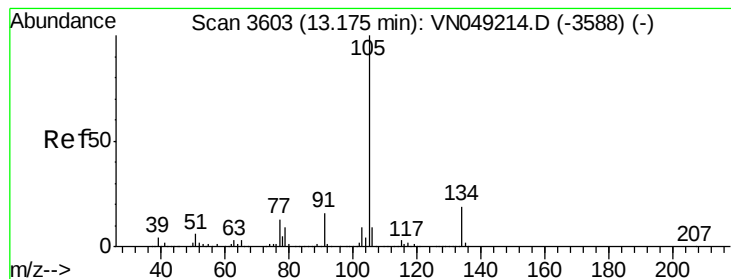
105 100

120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.74 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

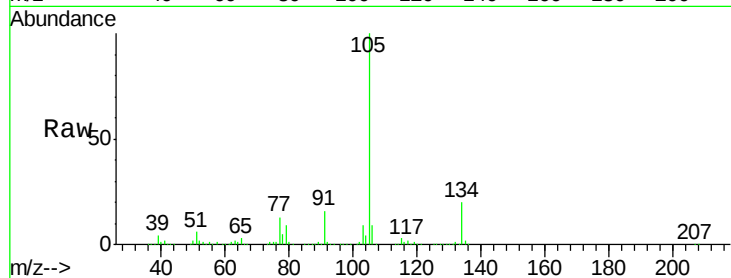
ClientSampleId :

Tot Ion:105 Resp: 1011477

Ion Ratio Lower Upper

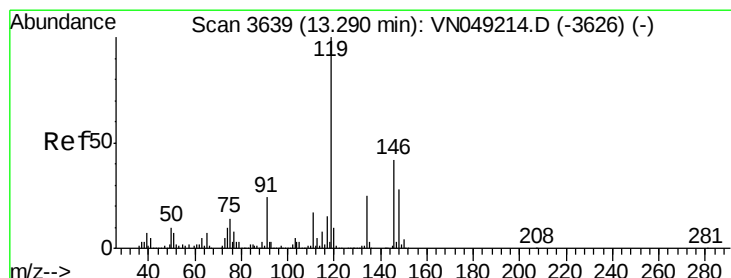
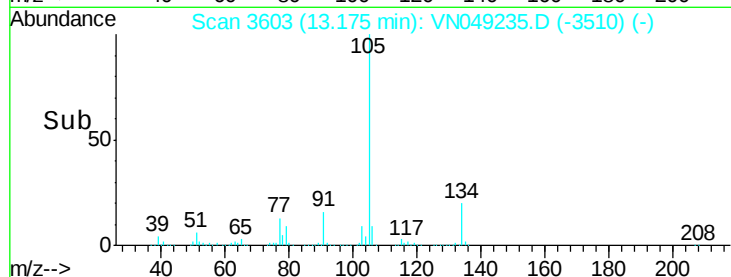
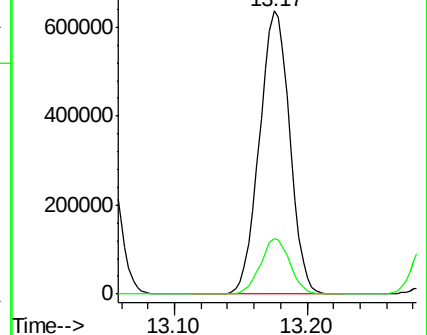
105 100

134 19.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

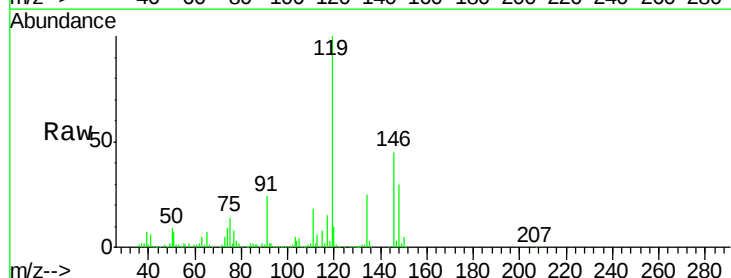
Tgt Ion:119 Resp: 841051

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

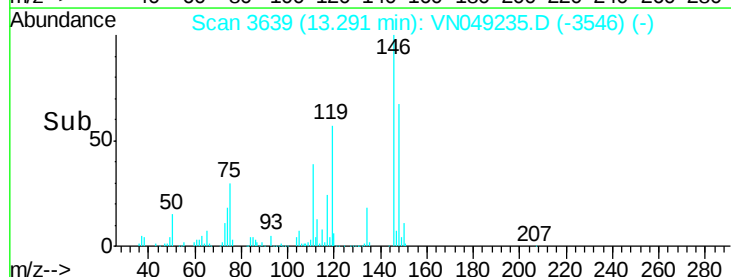
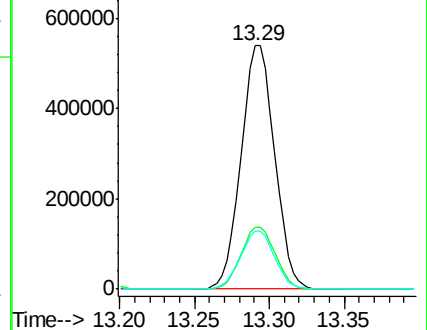
91 23.9 12.1 36.3

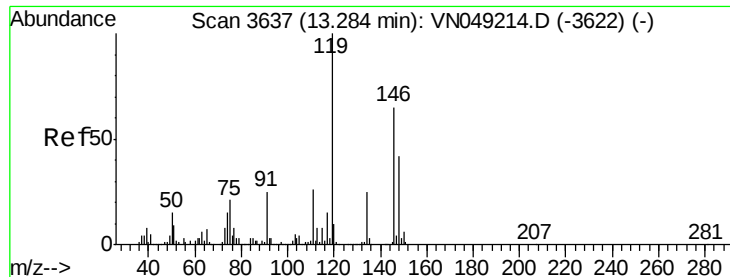


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

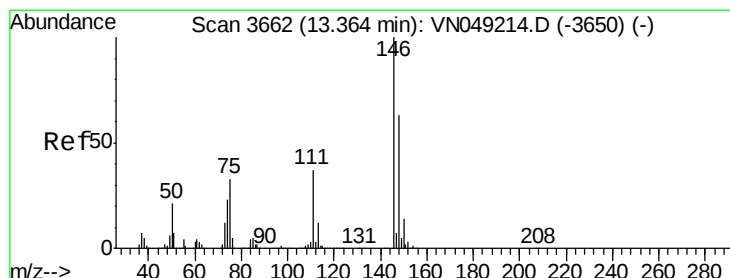
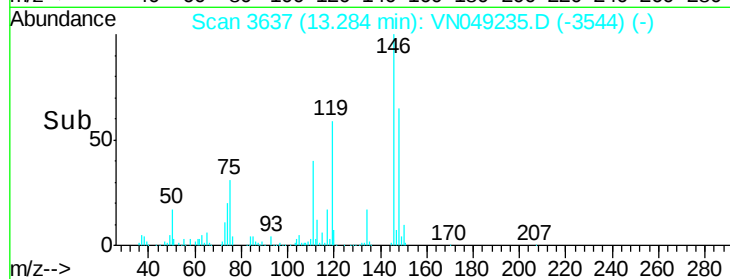
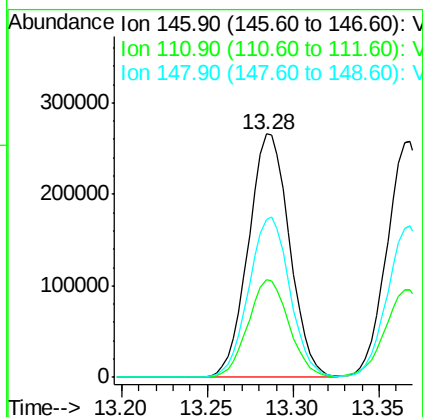
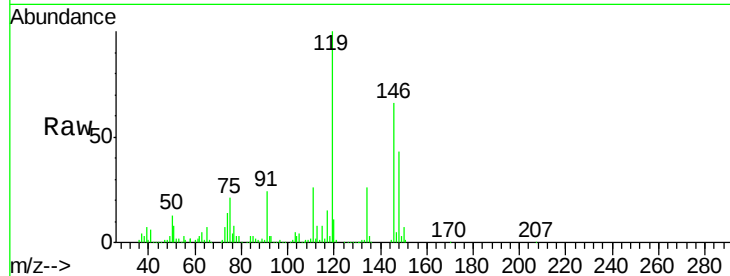




#87
 1,3-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

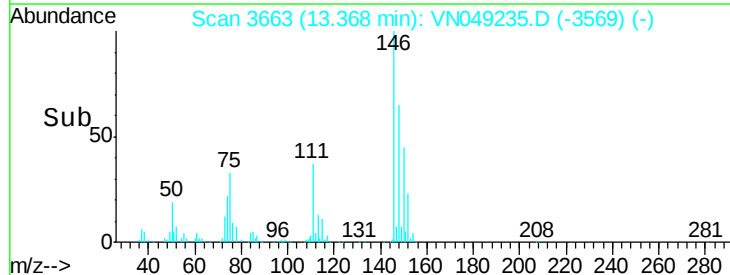
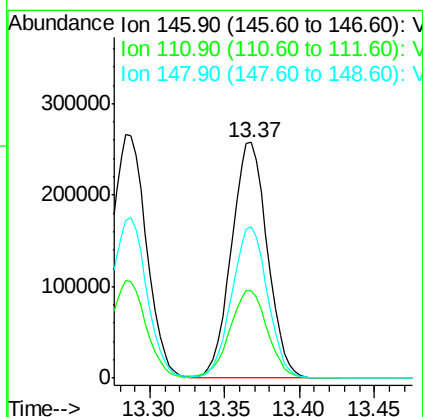
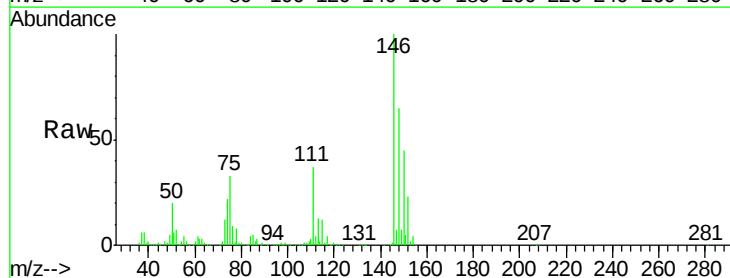
Instrument :
 MSVOA_N
 ClientSampled :

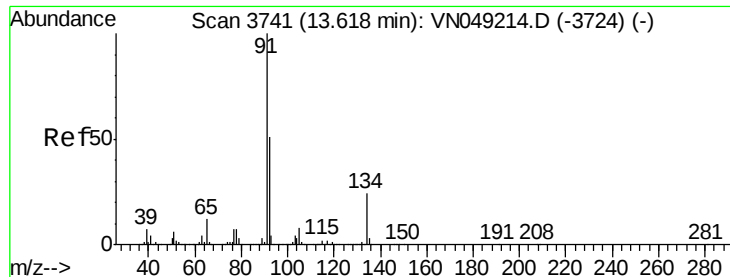
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	65.8	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.0	32.0	96.2

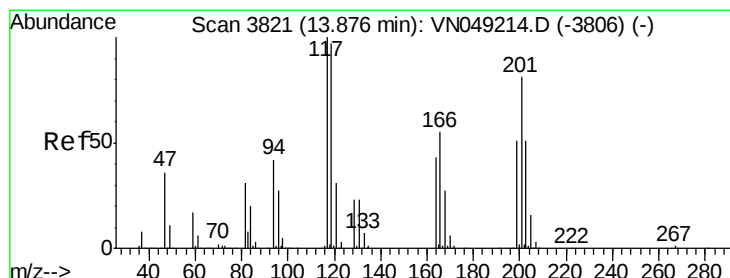
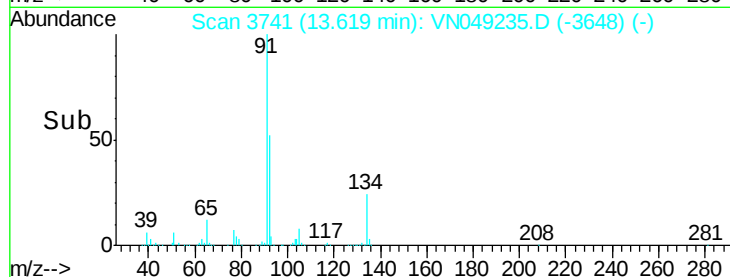
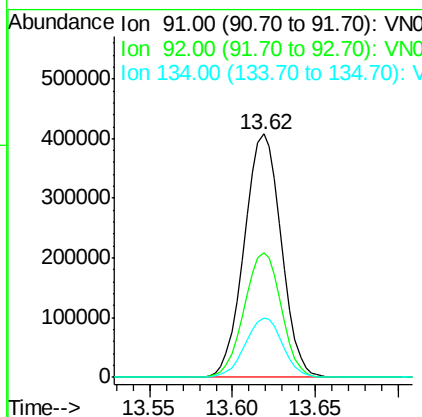
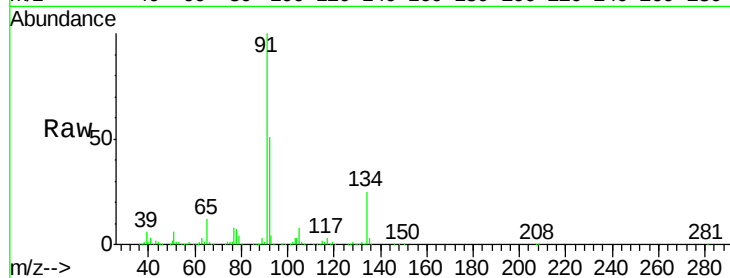




#89
n-Butylbenzene
Concen: 18.46 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

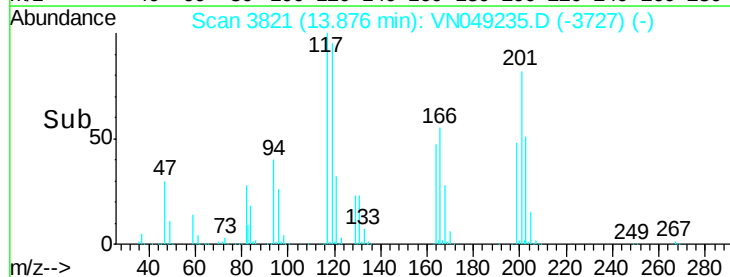
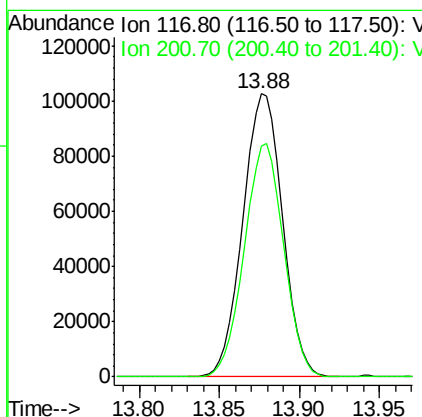
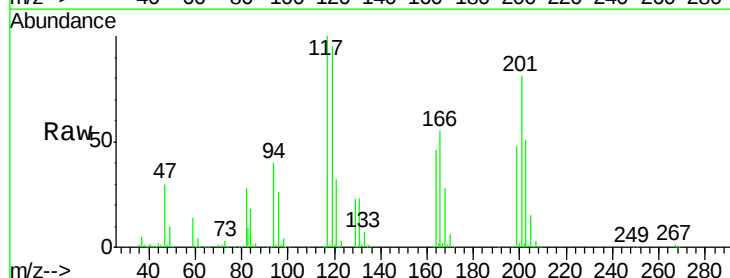
Instrument :
MSVOA_N
ClientSampled :

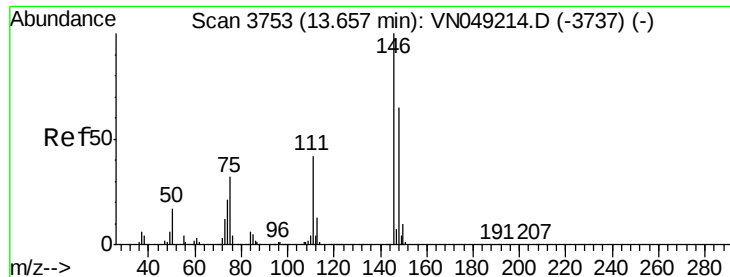
Tot Ion: 91 Resp: 633705
Ion Ratio Lower Upper
91 100
92 51.4 25.1 75.4
134 24.6 12.0 36.0



#90
Hexachloroethane
Concen: 19.64 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 117 Resp: 173592
Ion Ratio Lower Upper
117 100
201 81.8 40.1 120.2

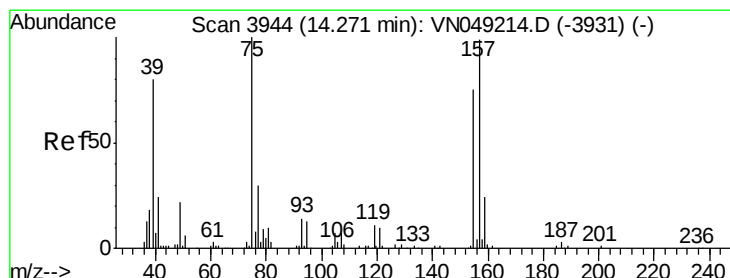
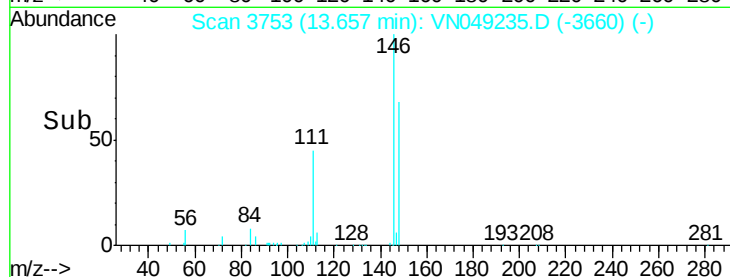
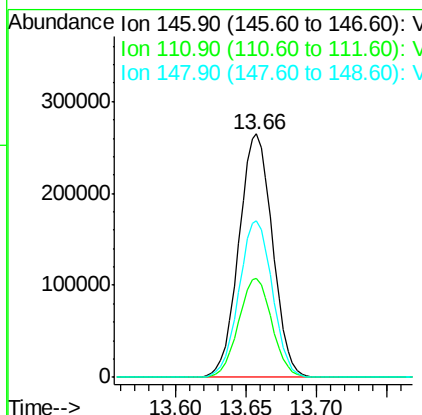
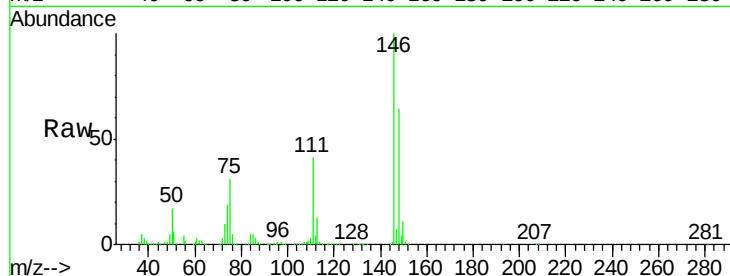




#91
 1,2-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

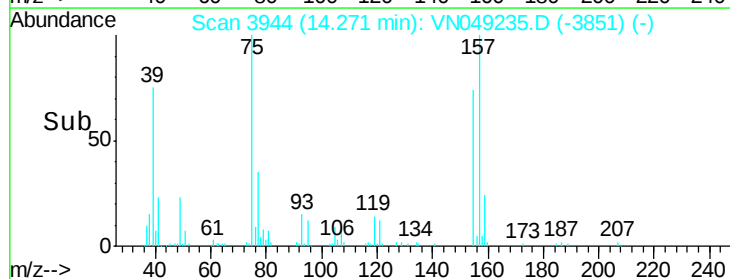
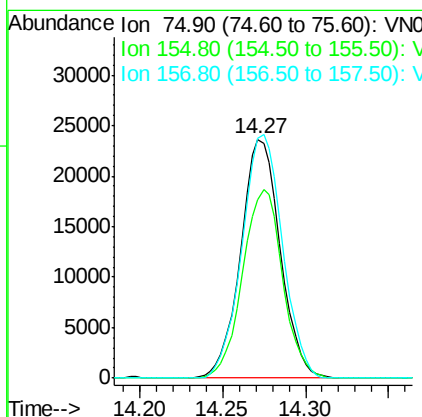
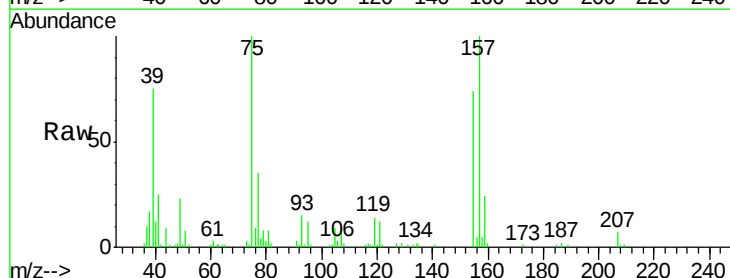
Instrument :
 MSVOA_N
 ClientSampleId :

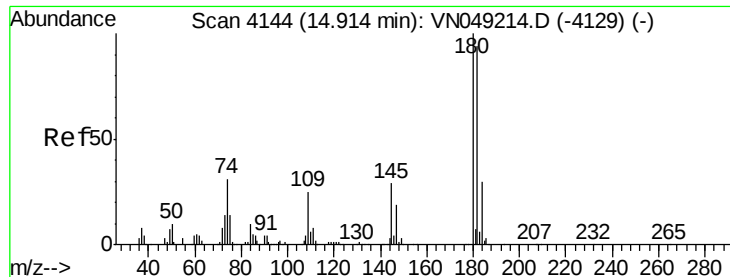
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.39 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	38.8	116.3
157	104.4	51.0	153.1

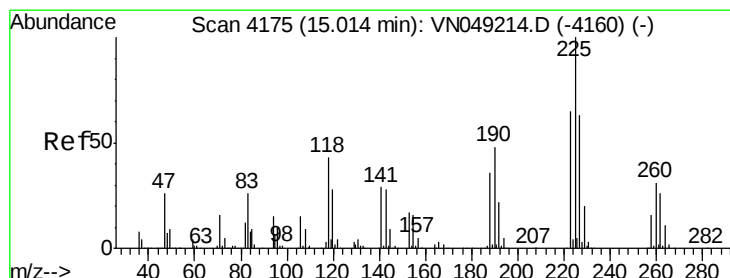
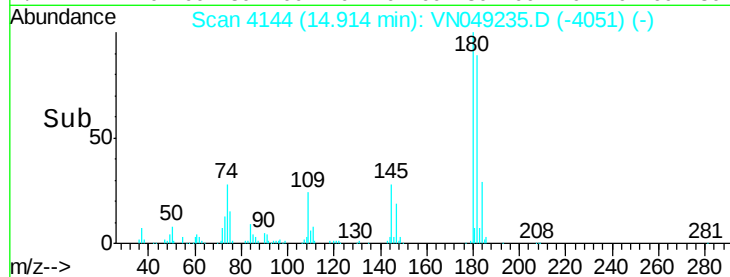
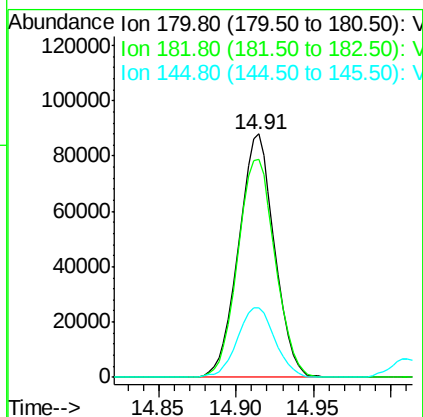
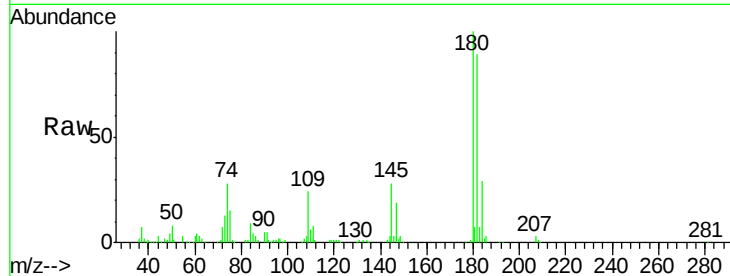




#93
 1,2,4-Trichlorobenzene
 Concen: 17.81 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

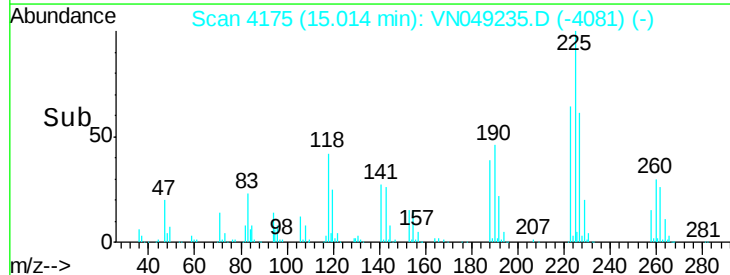
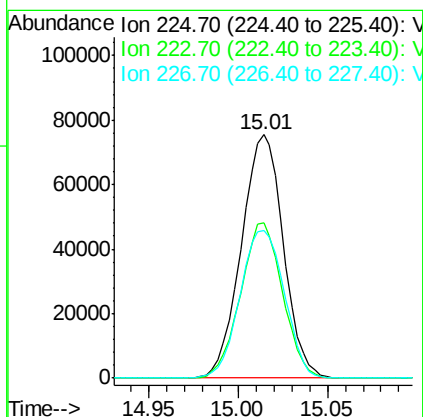
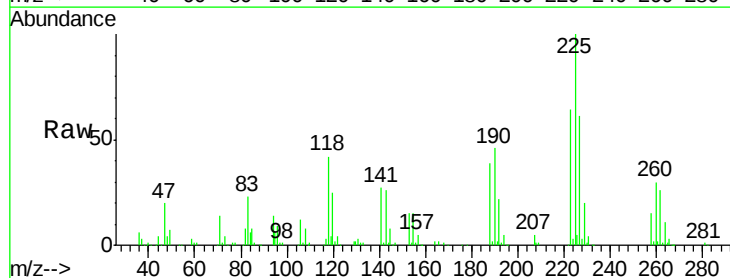
Instrument :
 MSVOA_N
 ClientSampled :

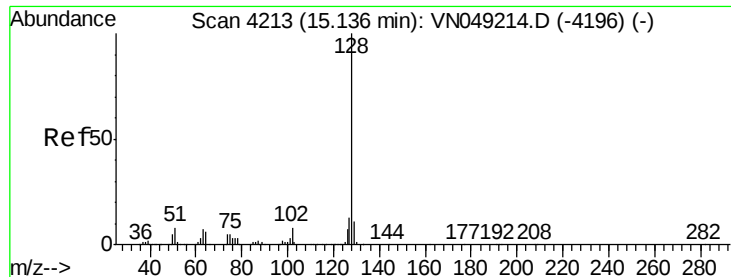
Tot Ion:180 Resp: 141556
 Ion Ratio Lower Upper
 180 100
 182 93.6 46.9 140.8
 145 30.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 18.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion:225 Resp: 123781
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.1 96.3
 227 64.1 31.8 95.3





#95

Naphthalene

Concen: 18.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampled :

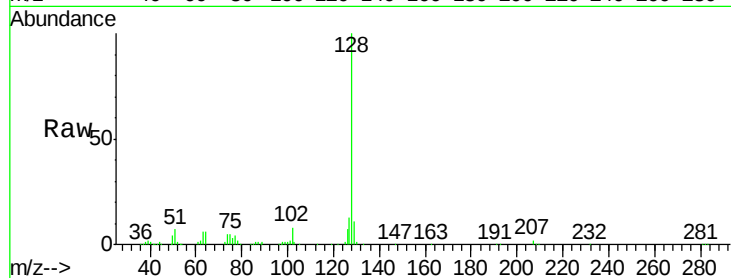
Tot Ion:128 Resp: 314163

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

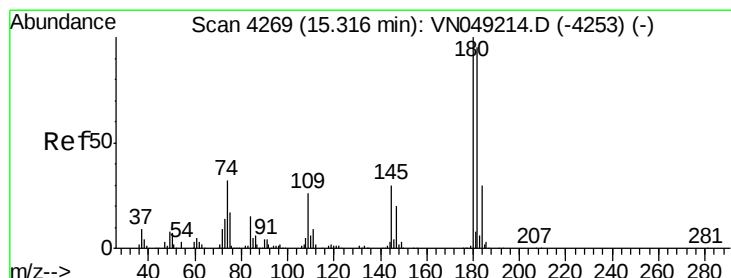
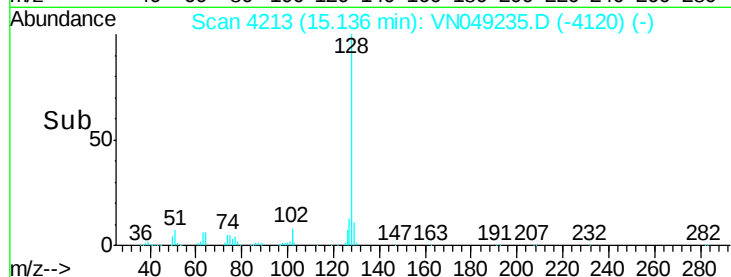
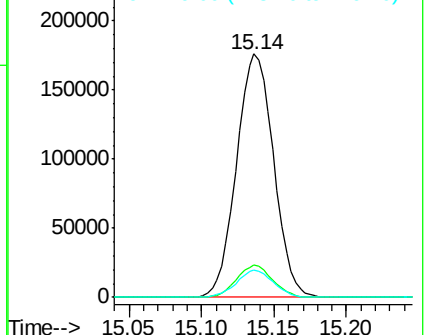
129 11.0 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 17.64 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

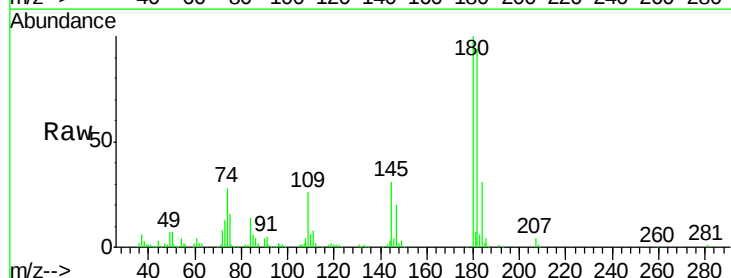
Tgt Ion:180 Resp: 156027

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

145 31.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

