

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049647.D
 Acq On : 30 Jun 2018 14:52
 Operator : MD\SY
 Sample : VN0630WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1326934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1994727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1794506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	941404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	826239	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	712299	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	10.09	98	2687793	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	12.40	95	933745	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	298830	19.98	ug/l	98
3) Chloromethane	2.06	50	347709	18.62	ug/l	99
4) Vinyl Chloride	2.18	62	378143	18.85	ug/l	99
5) Bromomethane	2.57	94	196195	18.62	ug/l	99
6) Chloroethane	2.70	64	241626	19.03	ug/l	100
7) Trichlorofluoromethane	3.02	101	471235	20.57	ug/l	98
8) Diethyl Ether	3.41	74	187449	20.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	323396	19.62	ug/l	99
10) Methyl Iodide	3.95	142	449733	21.80	ug/l	100
11) Tert butyl alcohol	4.79	59	111333	110.72	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	286610	18.39	ug/l	99
13) Acrolein	3.61	56	105995	112.85	ug/l	98
14) Allyl chloride	4.32	41	460329	21.50	ug/l	99
15) Acrylonitrile	4.99	53	536937	103.39	ug/l	97
16) Acetone	3.82	43	393238	107.18	ug/l	98
17) Carbon Disulfide	4.05	76	774925	17.83	ug/l	100
18) Methyl Acetate	4.33	43	337997	18.32	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	825792	20.55	ug/l	97
20) Methylene Chloride	4.55	84	351782	19.50	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	303272	18.91	ug/l	96
22) Diisopropyl ether	5.96	45	990412	20.45	ug/l	97
23) Vinyl Acetate	5.90	43	3083861	98.18	ug/l	99
24) 1,1-Dichloroethane	5.85	63	597446	19.58	ug/l	99
25) 2-Butanone	6.84	43	604433	103.90	ug/l	99
26) 2,2-Dichloropropane	6.82	77	505313	19.94	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	355063	19.82	ug/l	98
28) Bromochloromethane	7.20	49	244402	18.87	ug/l	98
29) Tetrahydrofuran	7.22	42	397209	107.13	ug/l	100
30) Chloroform	7.37	83	607571	19.53	ug/l	97
31) Cyclohexane	7.65	56	512901	19.15	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	512711	19.47	ug/l	99
36) 1,1-Dichloropropene	7.79	75	435278	19.40	ug/l	99
37) Ethyl Acetate	6.93	43	285172	21.79	ug/l	97
38) Carbon Tetrachloride	7.77	117	410699	18.81	ug/l	98

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	468705	19.05	ug/l	99
40) Benzene	8.04	78	1345032	19.63	ug/l	99
41) Methacrylonitrile	7.18	41	134158	18.18	ug/l	92
42) 1,2-Dichloroethane	8.13	62	433970	19.84	ug/l	100
43) Isopropyl Acetate	8.17	43	528248	19.98	ug/l	98
44) Trichloroethene	8.84	130	397480	19.23	ug/l	99
45) 1,2-Dichloropropane	9.12	63	360948	20.39	ug/l	99
46) Dibromomethane	9.21	93	216600	20.22	ug/l	98
47) Bromodichloromethane	9.41	83	453222	19.88	ug/l	100
48) Methyl methacrylate	9.20	41	240006	20.63	ug/l	99
49) 1,4-Dioxane	9.20	88	65125	416.46	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1359226	105.91	ug/l	100
52) Toluene	10.16	92	833421	20.13	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	438072	20.07	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	516523	20.24	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	314189	20.38	ug/l	98
56) Ethyl methacrylate	10.43	69	376148	20.82	ug/l	99
57) 1,3-Dichloropropane	10.71	76	515935	20.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	802522	92.35	ug/l	99
59) 2-Hexanone	10.75	43	901047	106.18	ug/l	100
60) Dibromochloromethane	10.90	129	338385	20.31	ug/l	99
61) 1,2-Dibromoethane	11.01	107	296214	20.06	ug/l	98
64) Tetrachloroethene	10.63	164	475708	19.58	ug/l	99
65) Chlorobenzene	11.44	112	911362	19.47	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	329147	19.57	ug/l	98
67) Ethyl Benzene	11.51	91	1529216	19.76	ug/l	100
68) m/p-Xylenes	11.62	106	1198776	40.42	ug/l	99
69) o-Xylene	11.95	106	577442	20.34	ug/l	100
70) Styrene	11.97	104	938815	20.44	ug/l	99
71) Bromoform	12.13	173	229413	20.53	ug/l #	99
73) Isopropylbenzene	12.25	105	1517016	20.23	ug/l	100
74) N-amyl acetate	12.07	43	405230	19.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	351868	21.81	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	451441	29.90	ug/l #	100
77) Bromobenzene	12.53	156	395449	19.39	ug/l	99
78) n-propylbenzene	12.59	91	1769847	20.59	ug/l	99
79) 2-Chlorotoluene	12.68	91	1082124	19.90	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1297455	20.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	87889	19.77	ug/l	98
82) 4-Chlorotoluene	12.78	91	1095140	20.02	ug/l	100
83) tert-Butylbenzene	13.00	119	1101849	20.58	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1333807	20.83	ug/l	99
85) sec-Butylbenzene	13.17	105	1482608	20.90	ug/l	100
86) p-Isopropyltoluene	13.29	119	1303666	21.22	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	708199	20.17	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	691746	20.13	ug/l	99
89) n-Butylbenzene	13.62	91	1032502	19.63	ug/l	100
90) Hexachloroethane	13.88	117	125713	19.48	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	704743	20.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54897	20.38	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

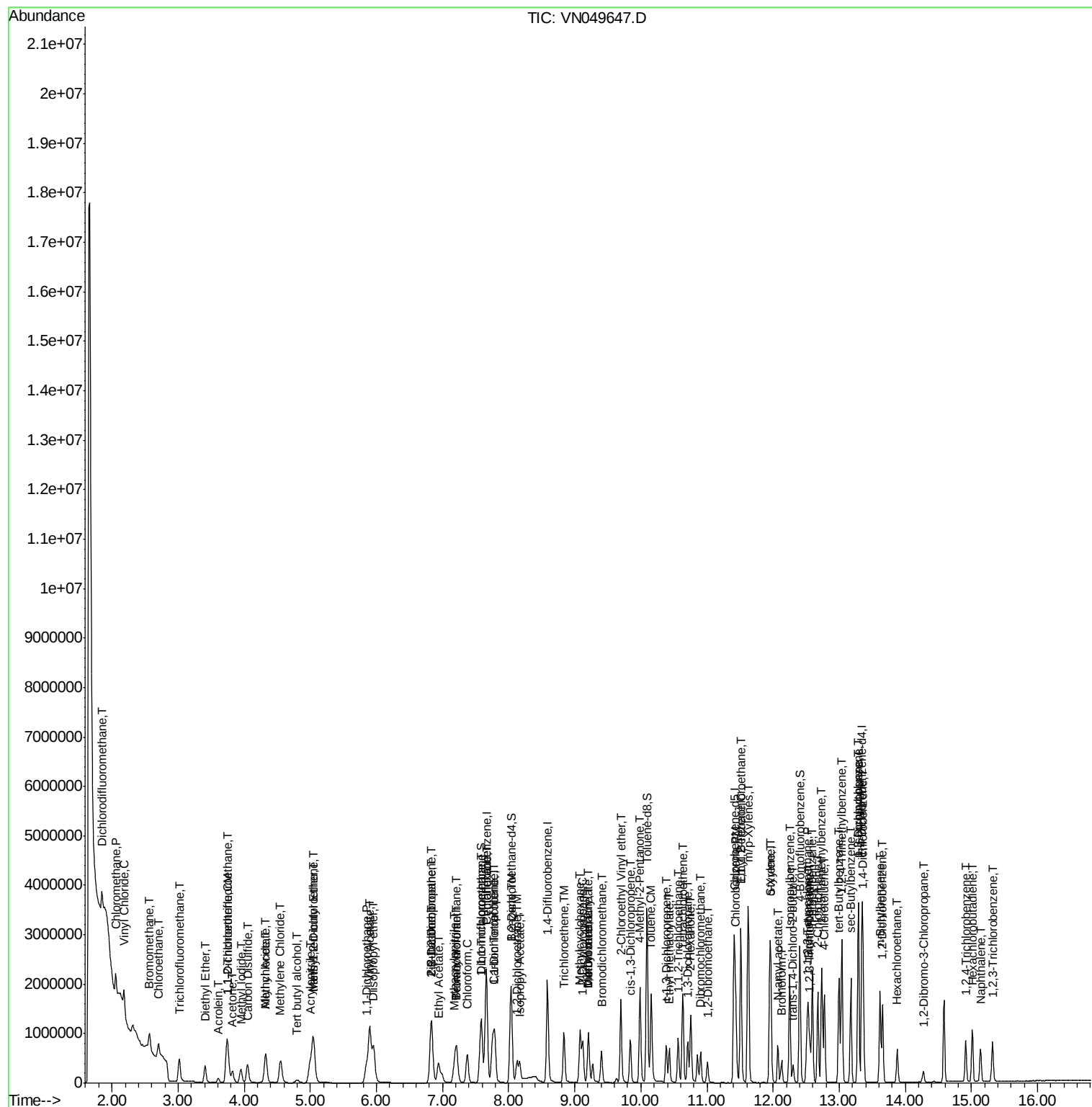
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	285830	18.09	ug/l	100
94) Hexachlorobutadiene	15.01	225	224749	21.19	ug/l	99
95) Naphthalene	15.14	128	578005	17.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	297277	19.10	ug/l	98

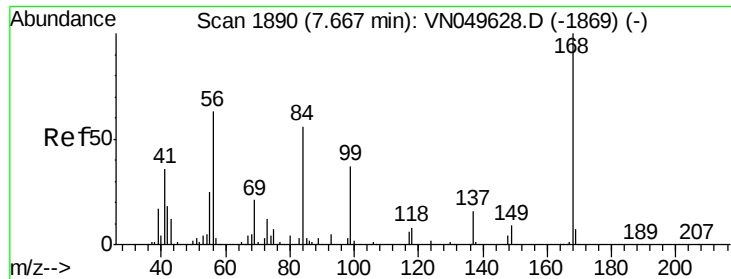
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN063018\
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 MSVOA_N
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Quant Time: Jul 02 01:22:27 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

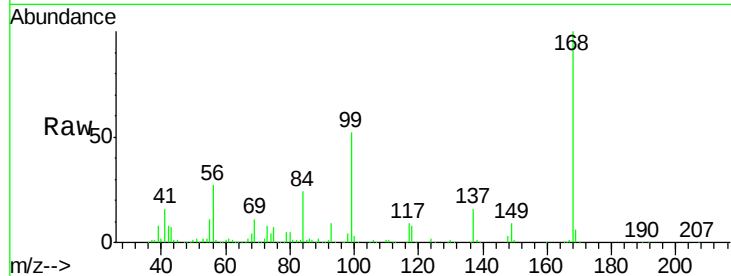
ClientSampled :

Tot Ion:168 Resp: 1326934

Ion Ratio Lower Upper

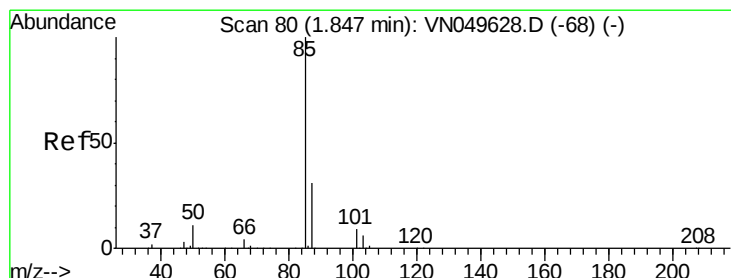
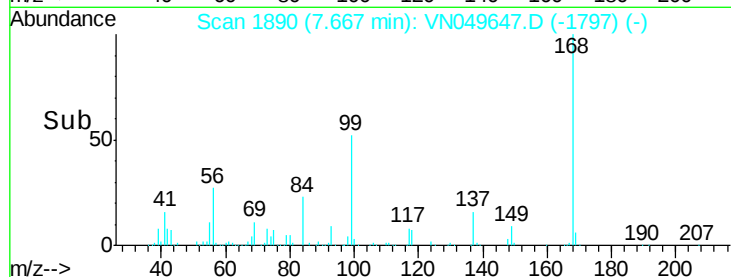
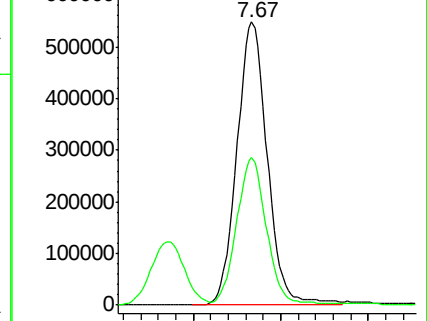
168 100

99 51.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.98 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049647.D

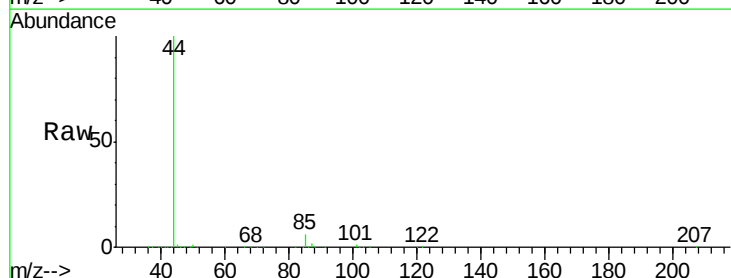
Acq: 30 Jun 2018 14:52

Tgt Ion: 85 Resp: 298830

Ion Ratio Lower Upper

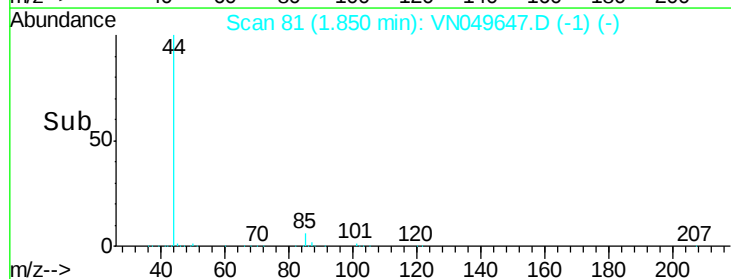
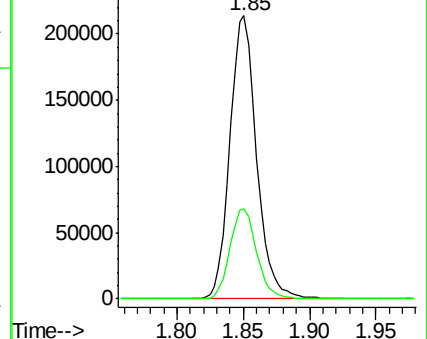
85 100

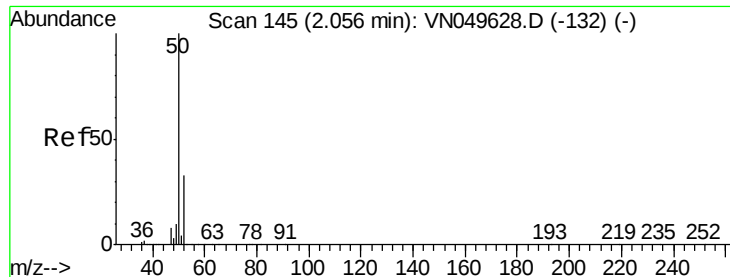
87 32.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.62 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

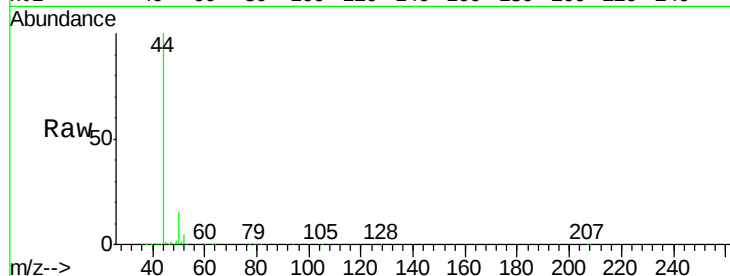
ClientSampleId :

Tot Ion: 50 Resp: 347709

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN049628.D (-132) (-)

Ion 51.90 (51.60 to 52.60): VN049647.D (-52) (-)

2.06

250000

200000

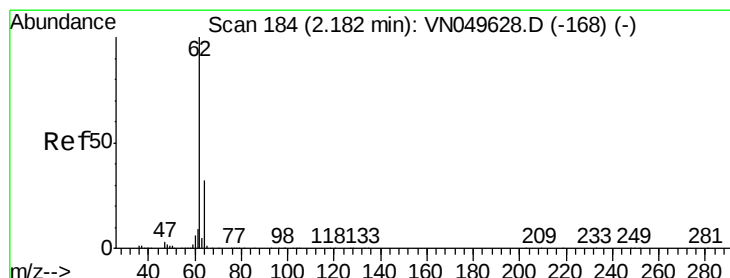
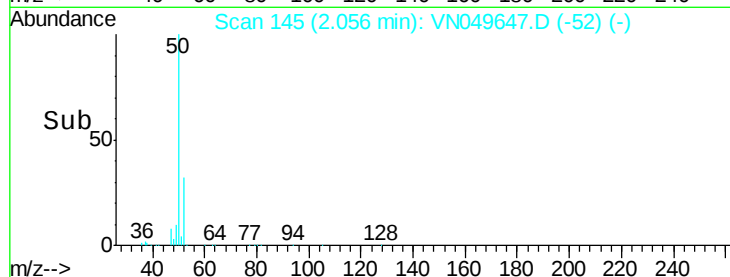
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.85 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049647.D

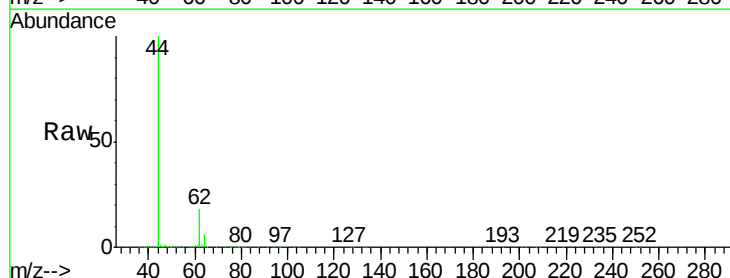
Acq: 30 Jun 2018 14:52

Tgt Ion: 62 Resp: 378143

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN049628.D (-168) (-)

Ion 63.90 (63.60 to 64.60): VN049647.D (-91) (-)

2.18

250000

200000

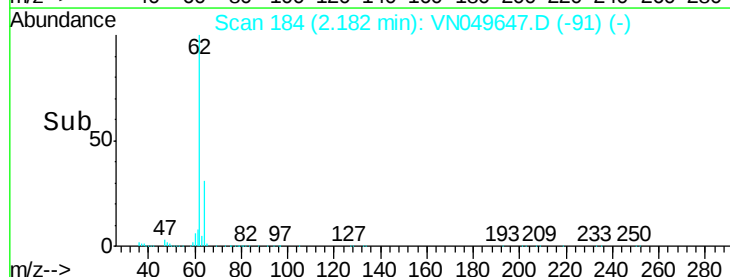
150000

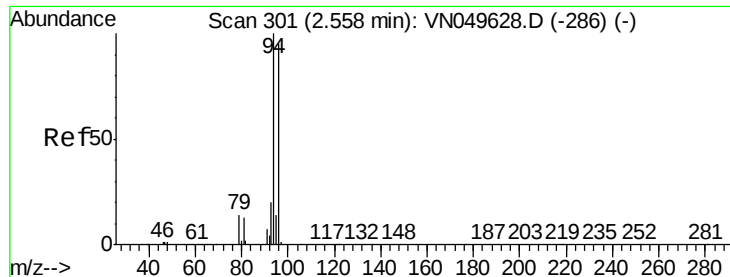
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.62 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

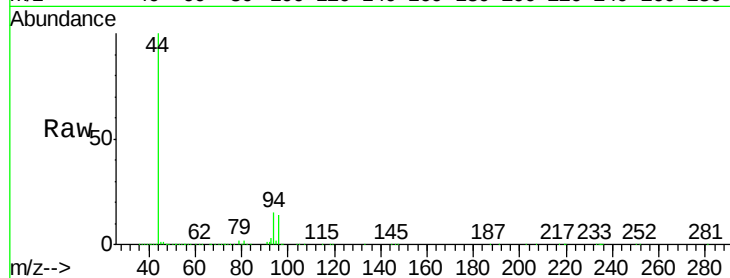
ClientSampled :

Tot Ion: 94 Resp: 196195

Ion Ratio Lower Upper

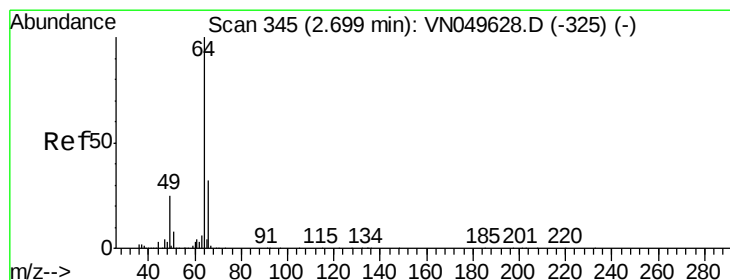
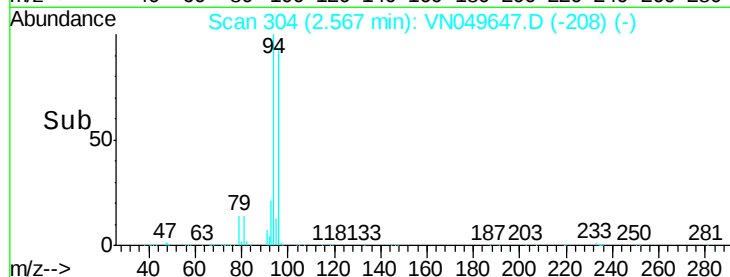
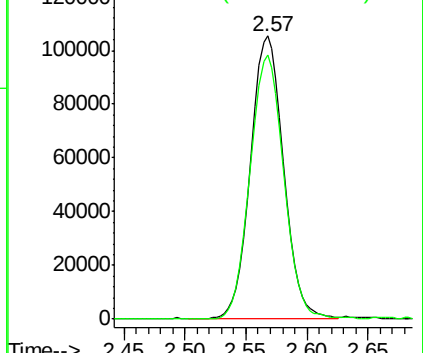
94 100

96 93.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.03 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049647.D

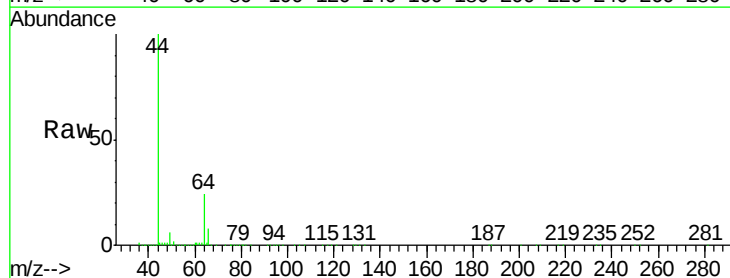
Acq: 30 Jun 2018 14:52

Tgt Ion: 64 Resp: 241626

Ion Ratio Lower Upper

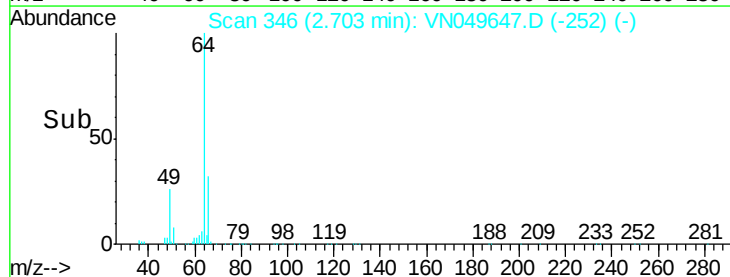
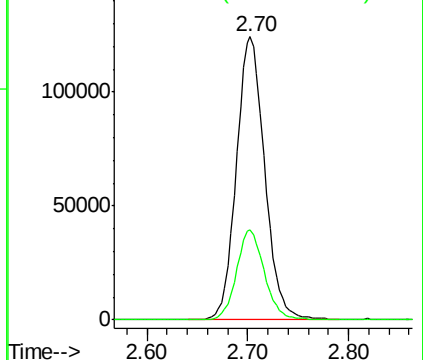
64 100

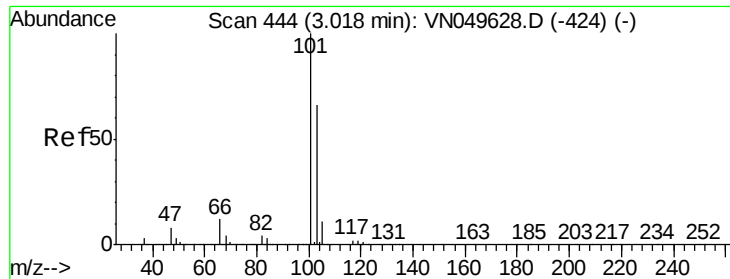
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



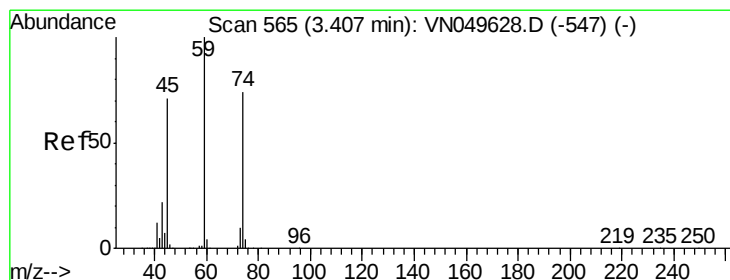
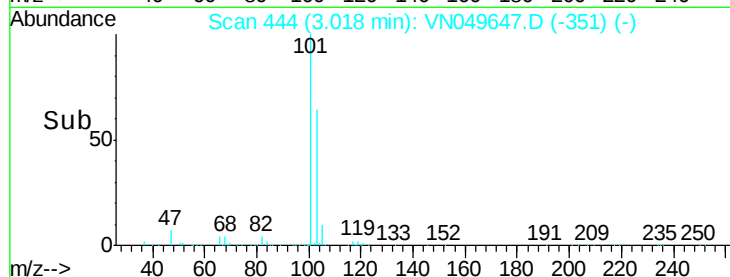
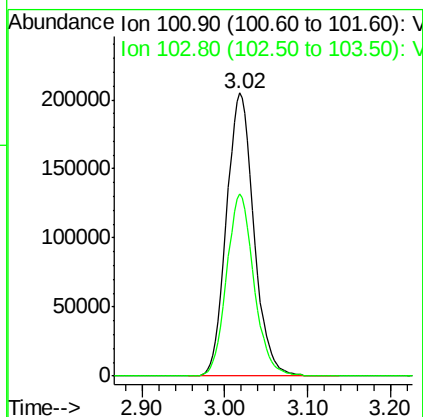
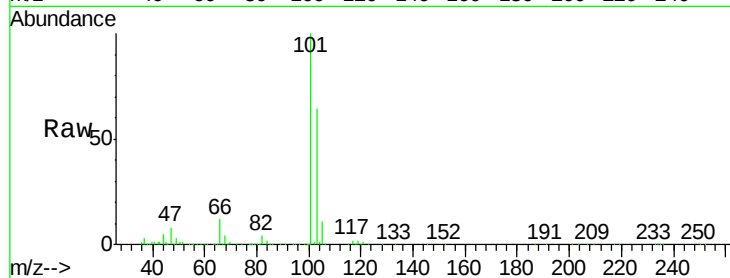


#7

Trichlorofluoromethane
Concen: 20.57 ug/l
RT: 3.02 min Scan# 444
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampled :

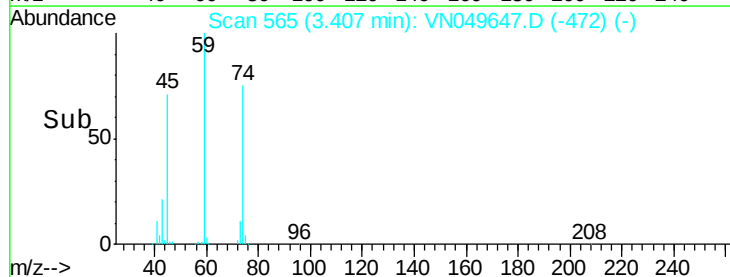
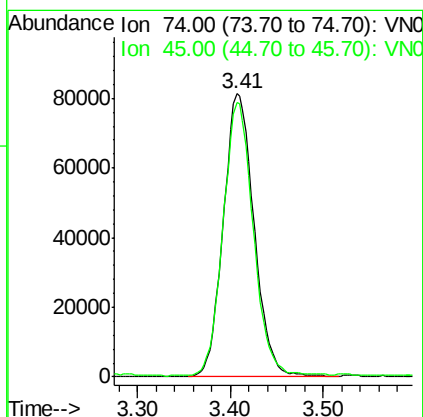
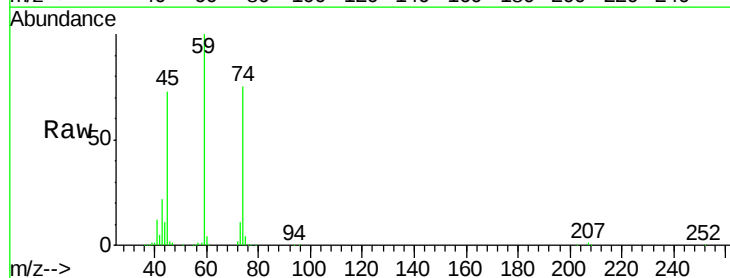
Tot Ion:101 Resp: 471235
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

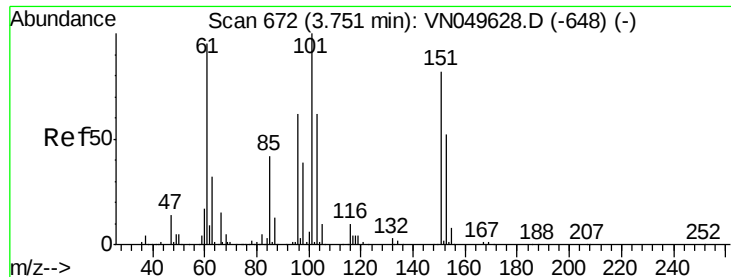


#8

Diethyl Ether
Concen: 20.18 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 74 Resp: 187449
Ion Ratio Lower Upper
74 100
45 95.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.62 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

ClientSampled :

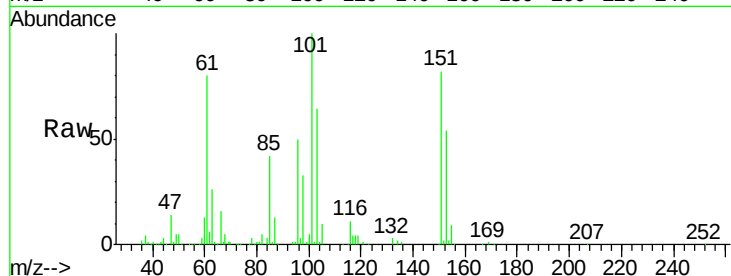
Tot Ion:101 Resp: 323396

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

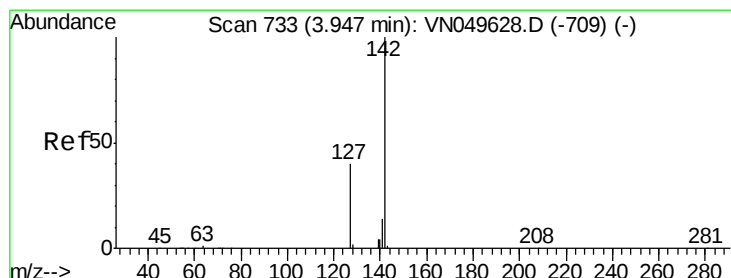
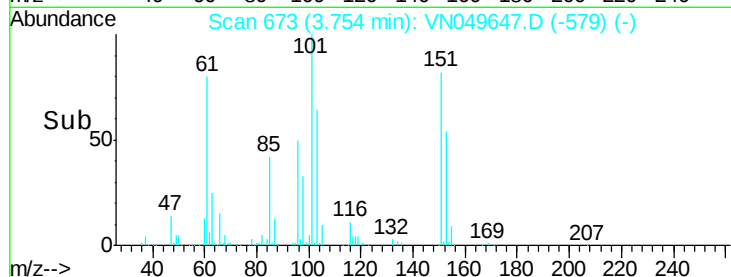
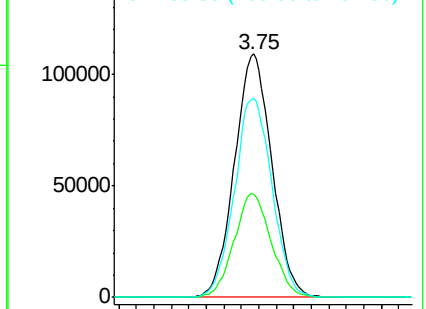
151 82.5 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.80 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

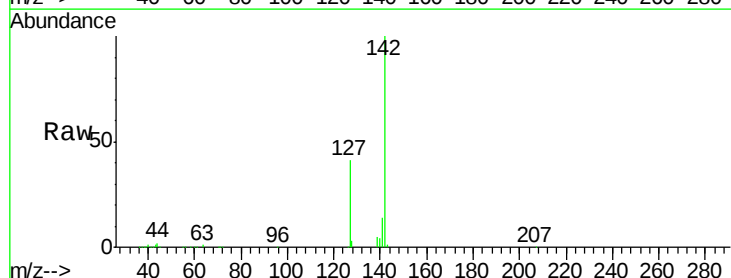
Tgt Ion:142 Resp: 449733

Ion Ratio Lower Upper

142 100

127 40.8 32.5 48.7

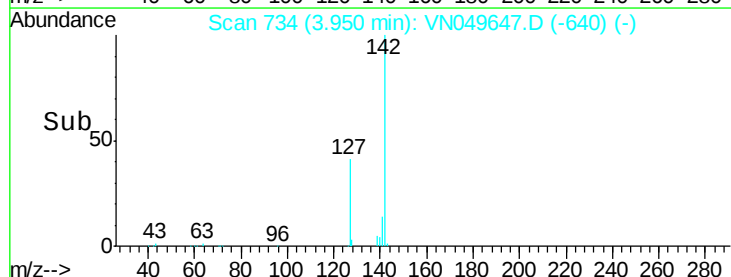
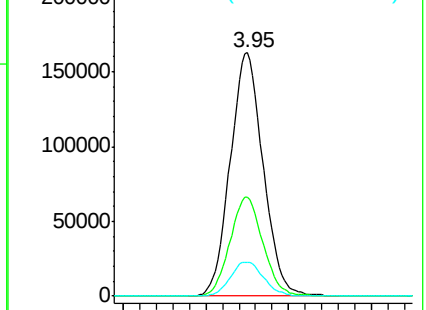
141 14.2 11.1 16.7

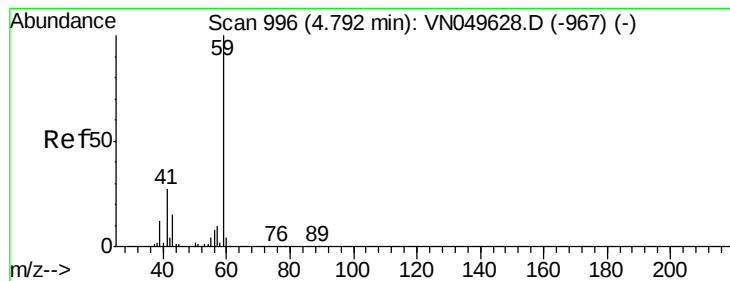


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



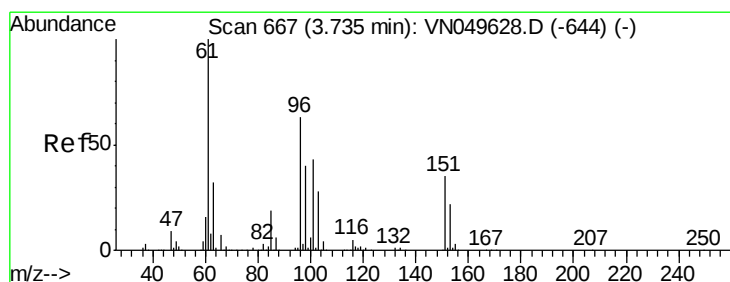
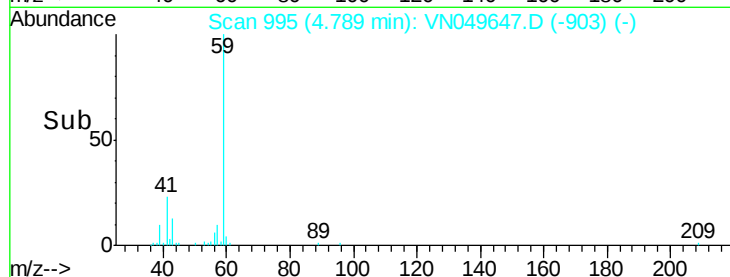
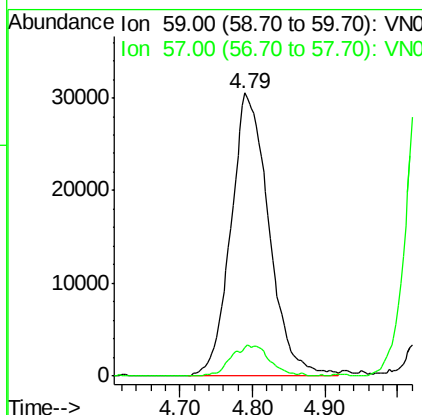
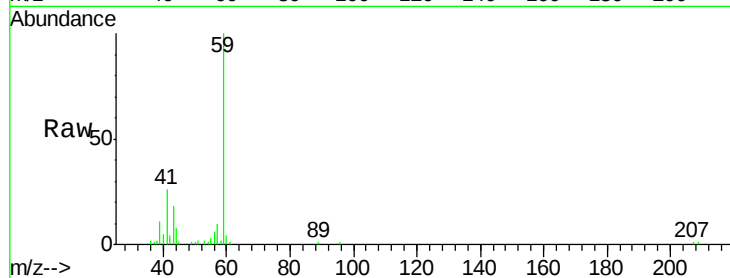


#11

Tert butyl alcohol
 Concen: 110.72 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :

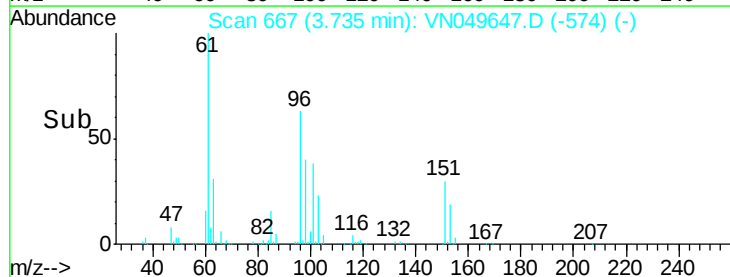
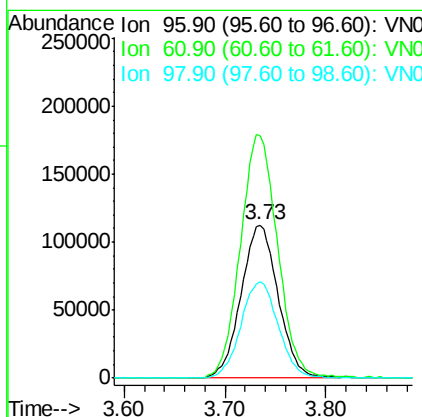
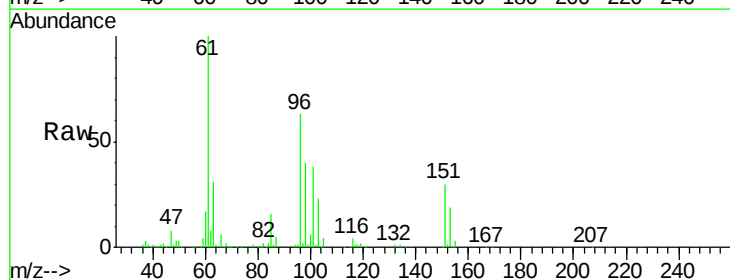
Tot Ion: 59 Resp: 111333
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.5 12.7#

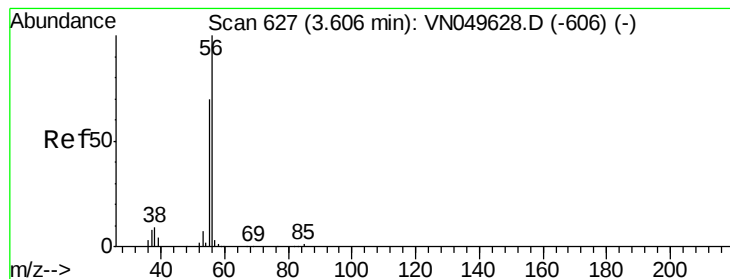


#12

1,1-Dichloroethene
 Concen: 18.39 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion: 96 Resp: 286610
 Ion Ratio Lower Upper
 96 100
 61 158.3 126.5 189.7
 98 62.5 51.0 76.6





#13

Acrolein

Concen: 112.85 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

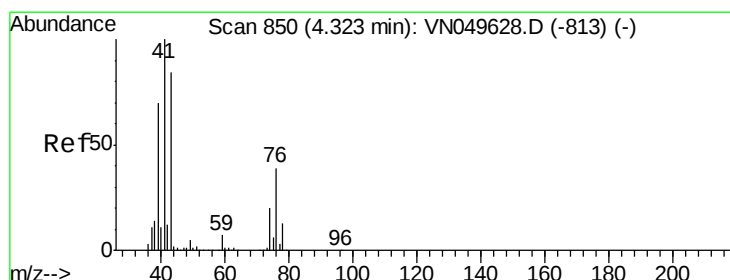
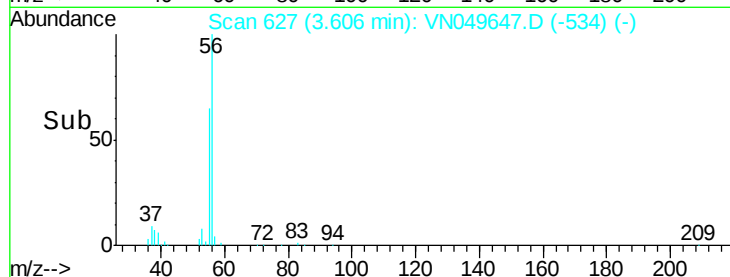
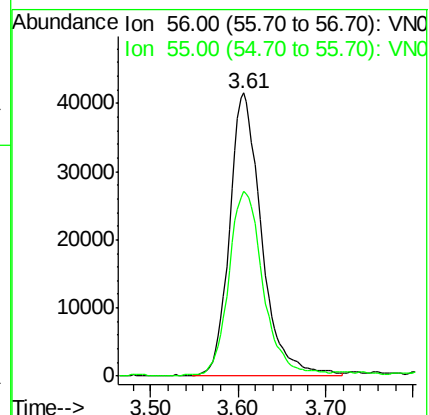
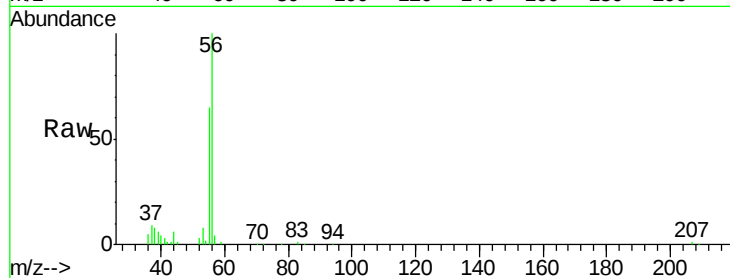
ClientSampleId :

Tot Ion: 56 Resp: 105995

Ion Ratio Lower Upper

56 100

55 68.5 55.8 83.8



#14

Allyl chloride

Concen: 21.50 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

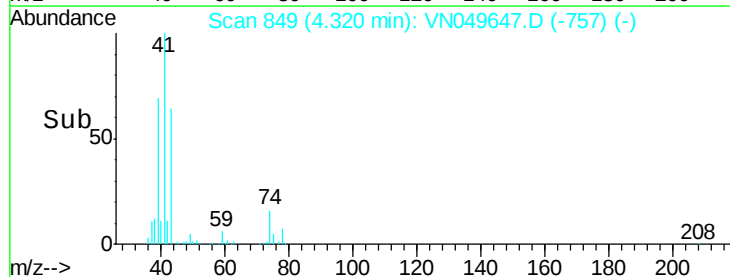
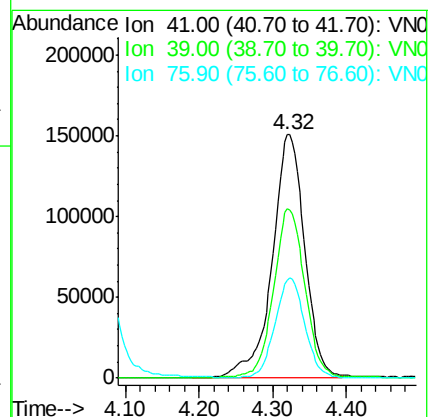
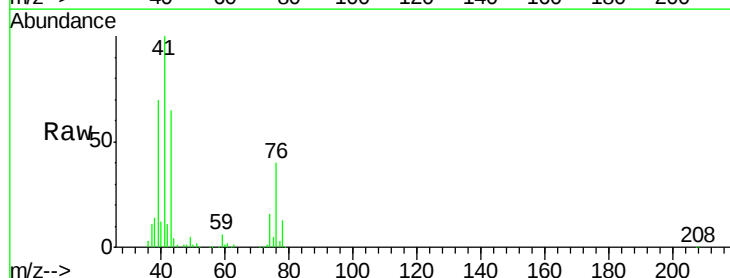
Tgt Ion: 41 Resp: 460329

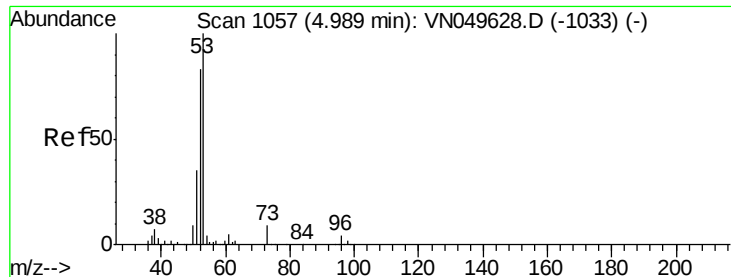
Ion Ratio Lower Upper

41 100

39 67.0 53.2 79.8

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 103.39 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

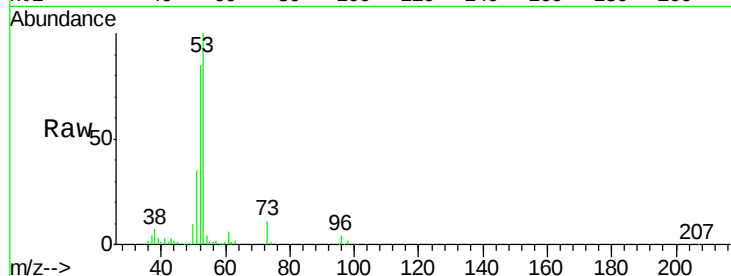
Tot Ion: 53 Resp: 536937

Ion Ratio Lower Upper

53 100

52 84.1 64.8 97.2

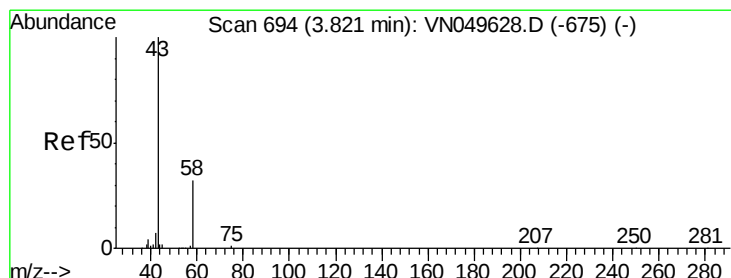
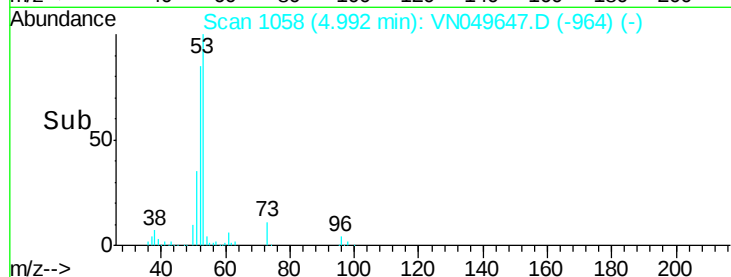
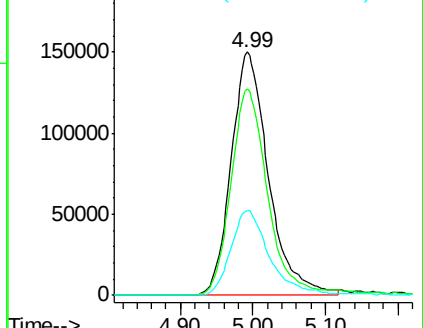
51 35.4 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049628.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049628.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049628.D (-1033) (-)



#16

Acetone

Concen: 107.18 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049647.D

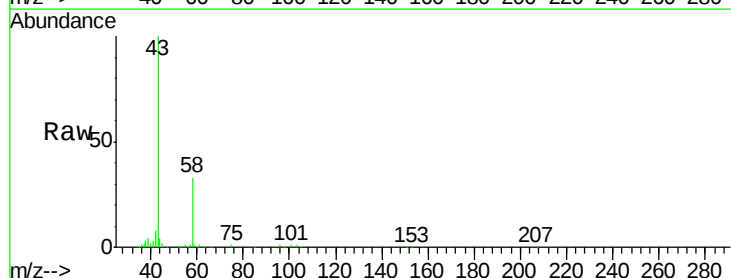
Acq: 30 Jun 2018 14:52

Tgt Ion: 43 Resp: 393238

Ion Ratio Lower Upper

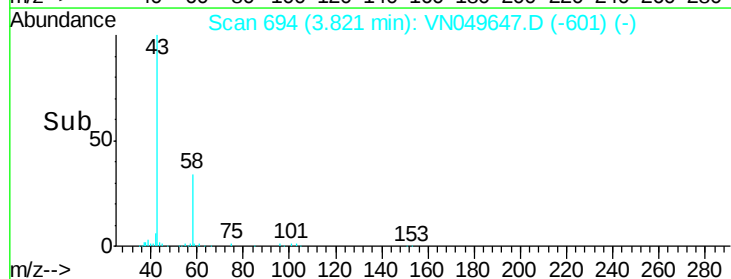
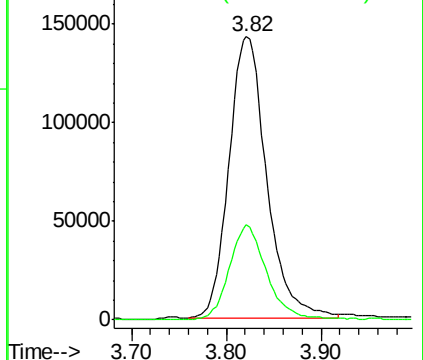
43 100

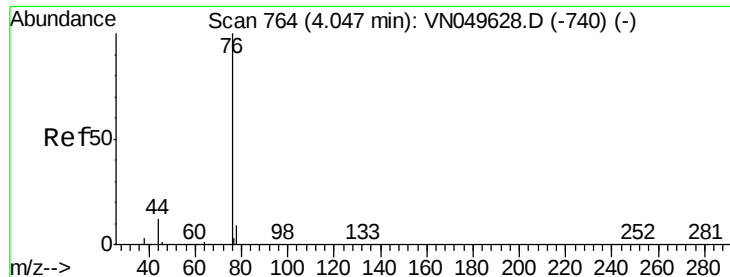
58 33.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

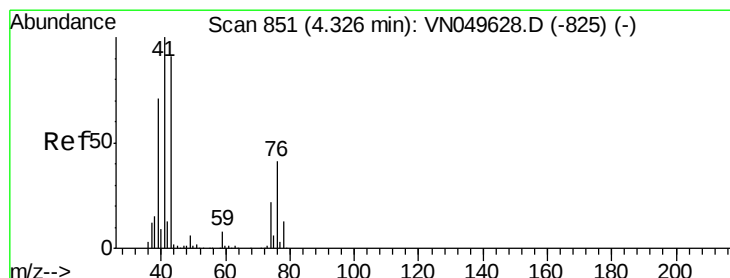
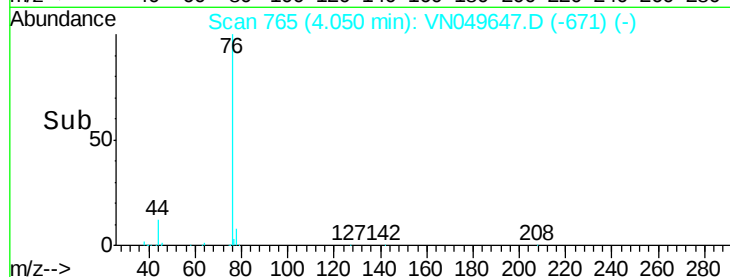
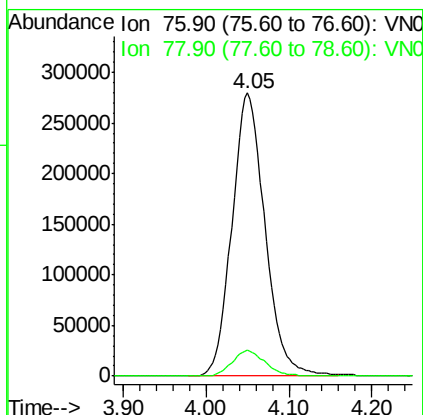
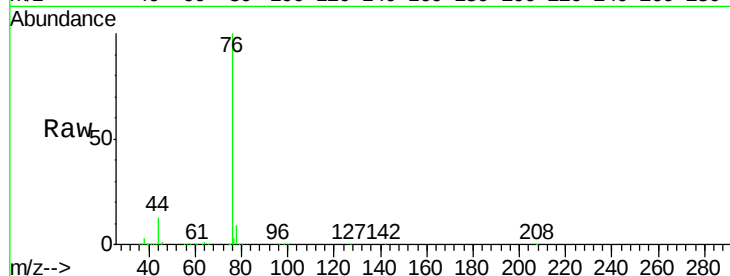




#17
Carbon Disulfide
Concen: 17.83 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

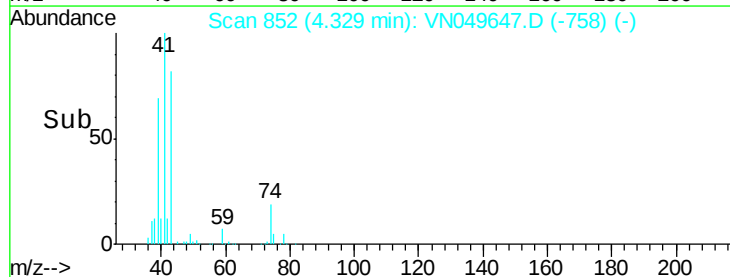
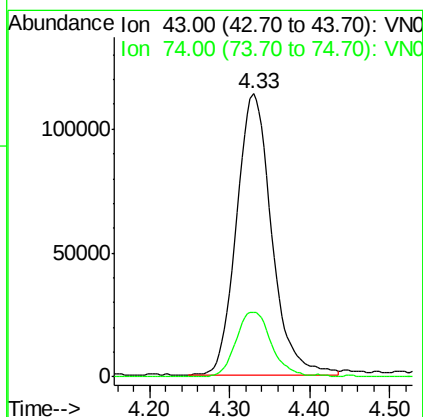
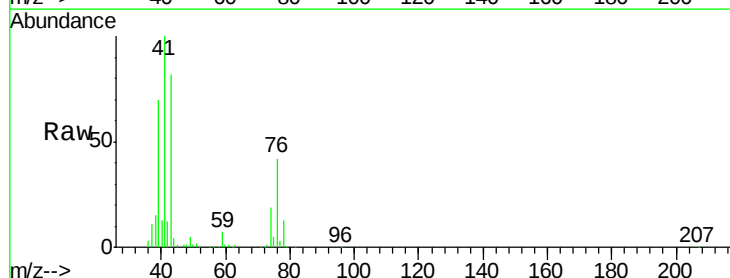
Instrument :
MSVOA_N
ClientSampled :

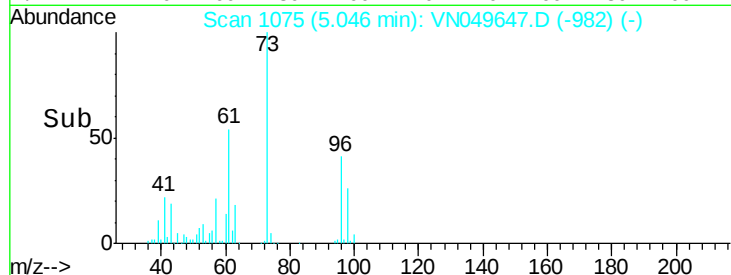
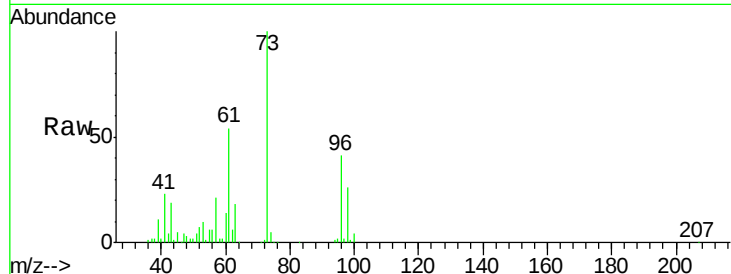
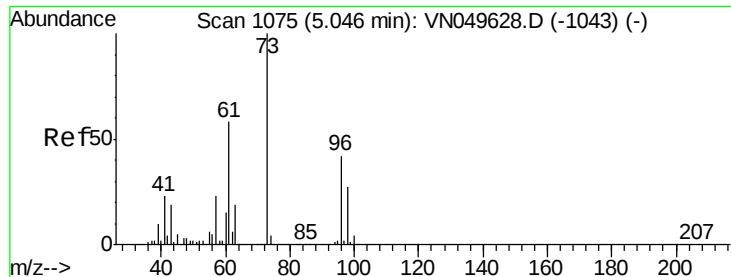
Tot Ion: 76 Resp: 774925
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 18.32 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

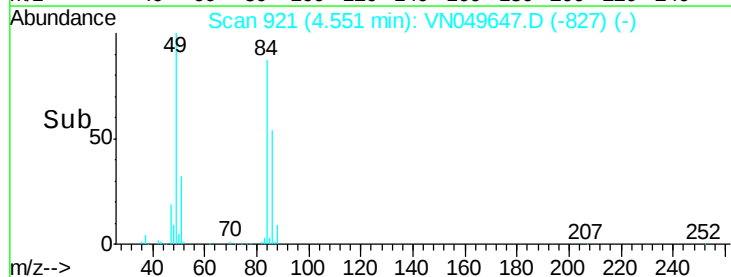
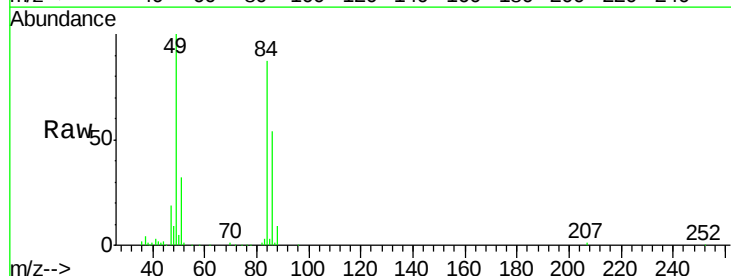
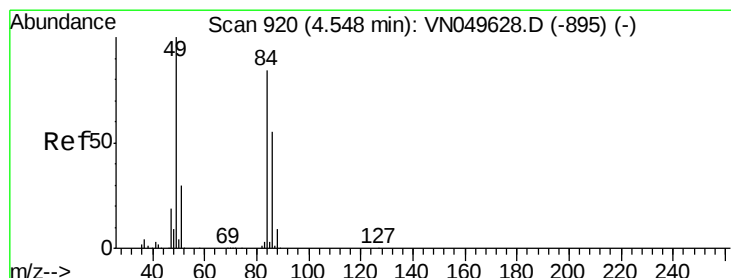
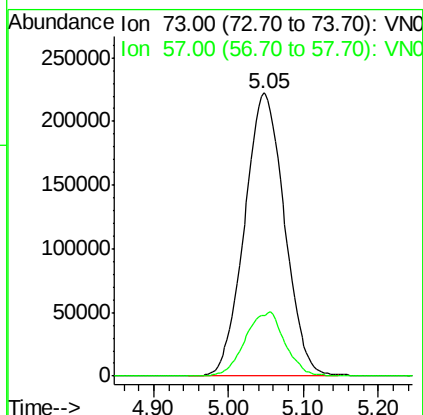
Tgt Ion: 43 Resp: 337997
Ion Ratio Lower Upper
43 100
74 23.3 19.8 29.8





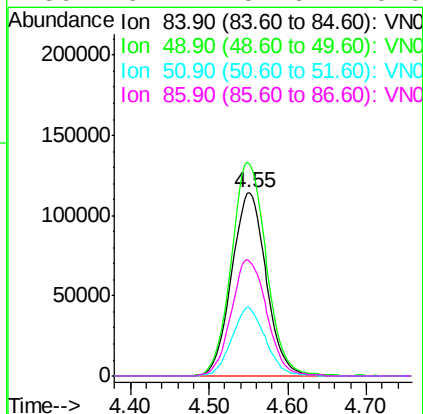
#19
Methvl tert-butvl Ether
Concen: 20.55 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

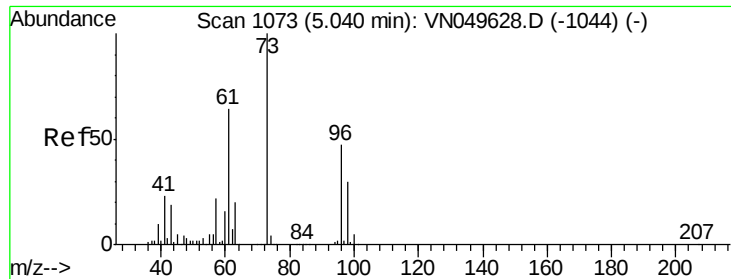
Tot Ion: 73 Resp: 825792
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 19.50 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 84 Resp: 351782
Ion Ratio Lower Upper
84 100
49 115.2 95.4 143.2
51 37.0 28.4 42.6
86 62.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :

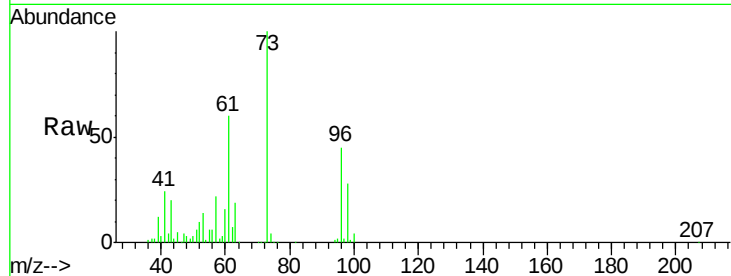
Tot Ion: 96 Resp: 303272

Ion Ratio Lower Upper

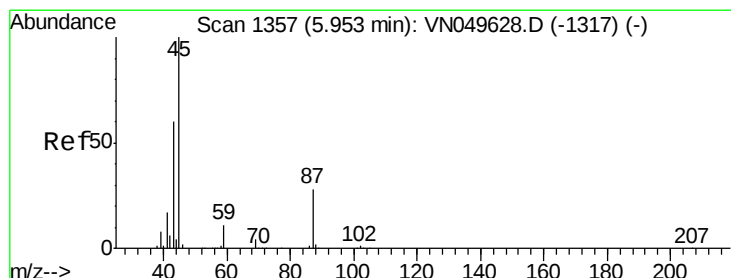
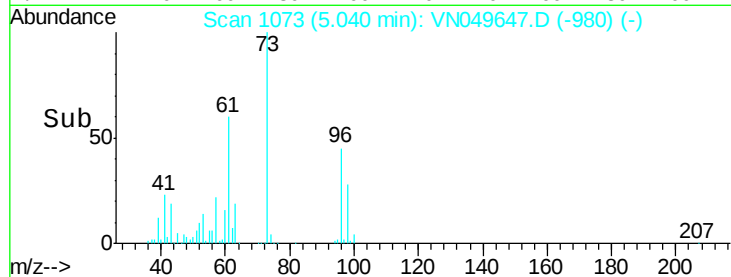
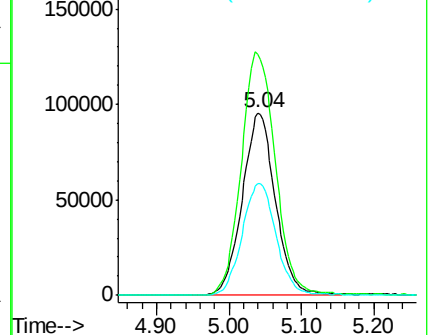
96 100

61 132.2 109.0 163.6

98 61.0 51.1 76.7



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: 20.45 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Tgt Ion: 45 Resp: 990412

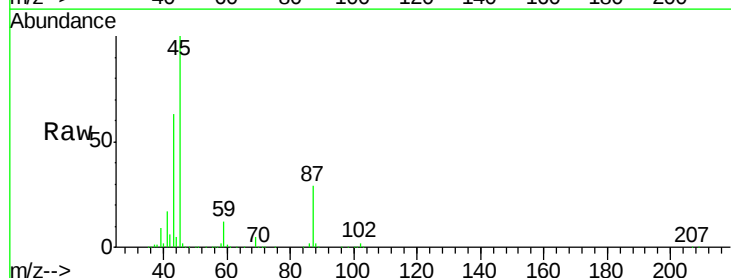
Ion Ratio Lower Upper

45 100

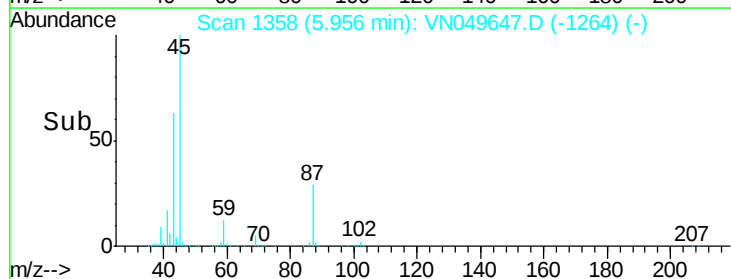
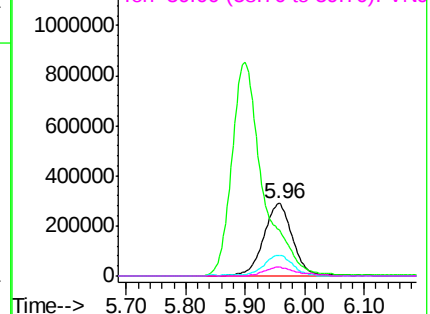
43 63.3 48.1 72.1

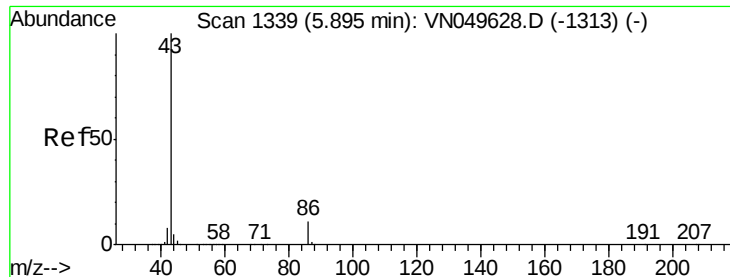
87 28.5 22.6 34.0

59 12.1 9.2 13.8



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: 98.18 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

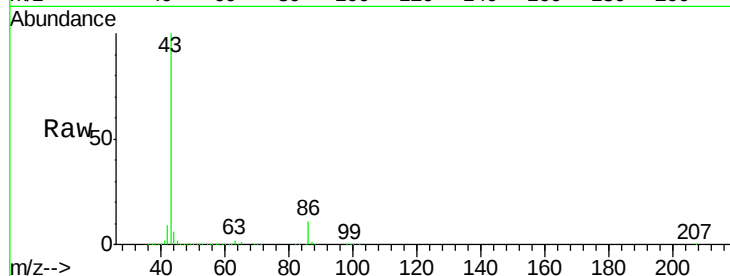
ClientSampleId :

Tot Ion: 43 Resp: 3083861

Ion Ratio Lower Upper

43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049647.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN049647.D (-1246) (-)

5.90

800000

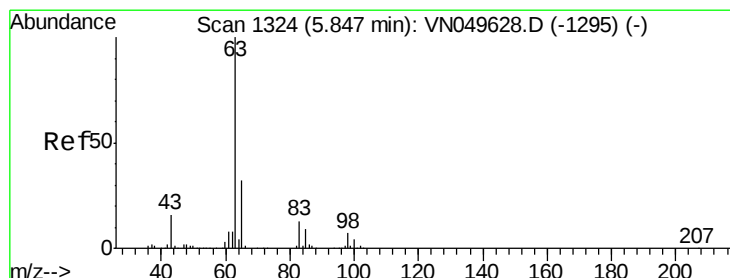
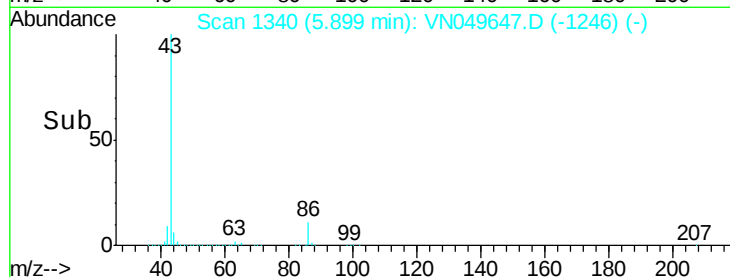
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.58 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

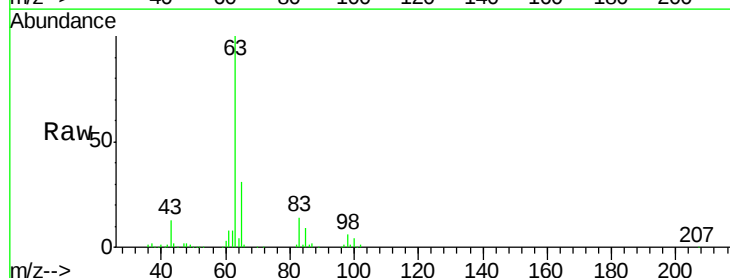
Tgt Ion: 63 Resp: 597446

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049647.D (-1231) (-)

Ion 97.90 (97.60 to 98.60): VN049647.D (-1231) (-)

Ion 99.90 (99.60 to 100.60): VN049647.D (-1231) (-)

5.85

250000

200000

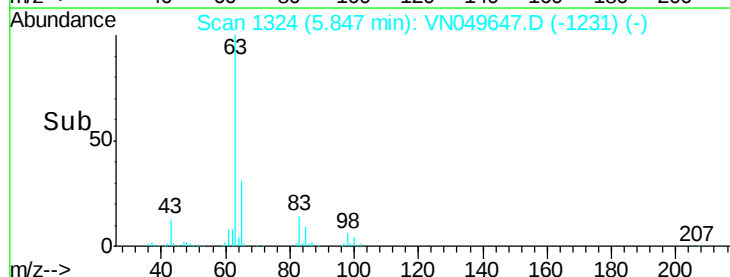
150000

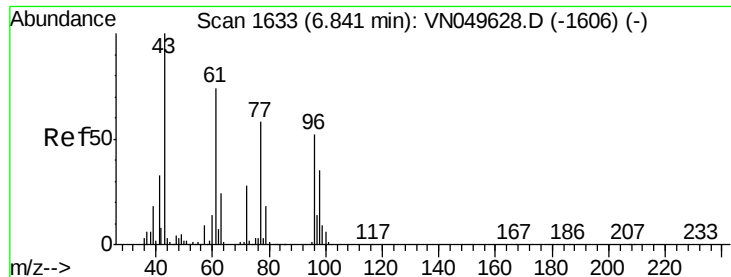
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 103.90 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

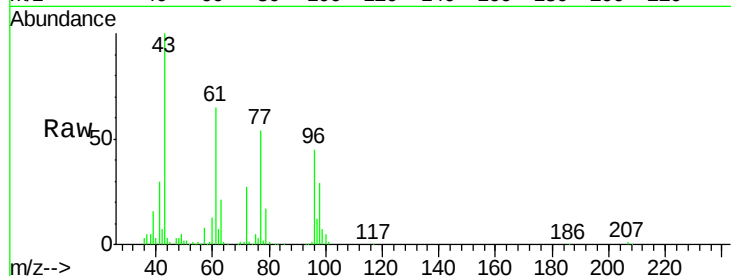
ClientSampled :

Tot Ion: 43 Resp: 604433

Ion Ratio Lower Upper

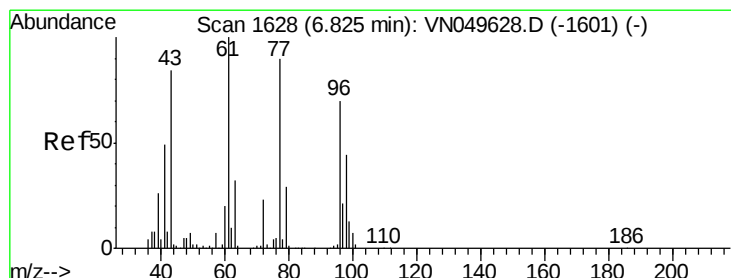
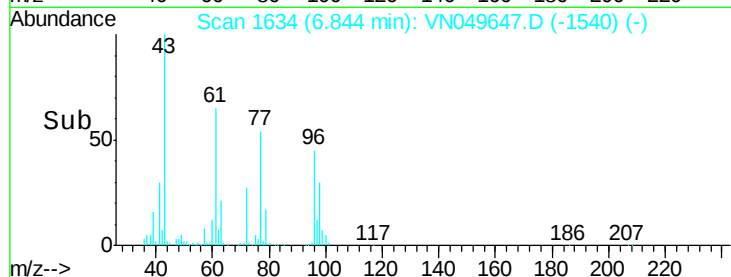
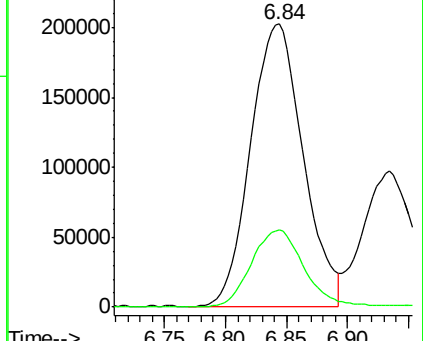
43 100

72 27.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.94 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049647.D

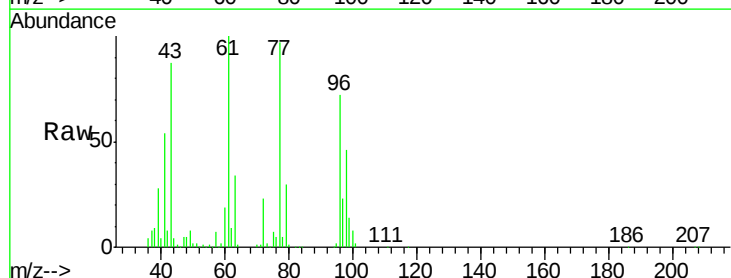
Acq: 30 Jun 2018 14:52

Tgt Ion: 77 Resp: 505313

Ion Ratio Lower Upper

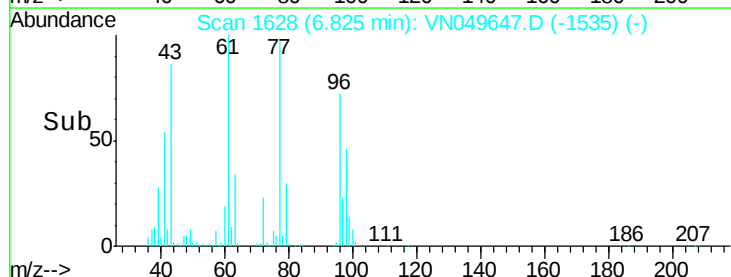
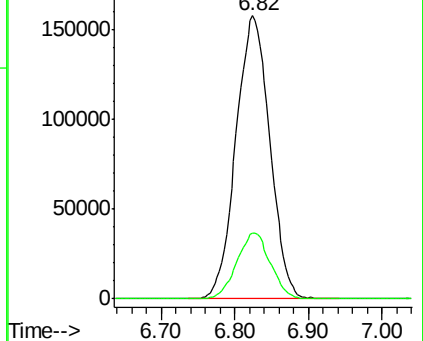
77 100

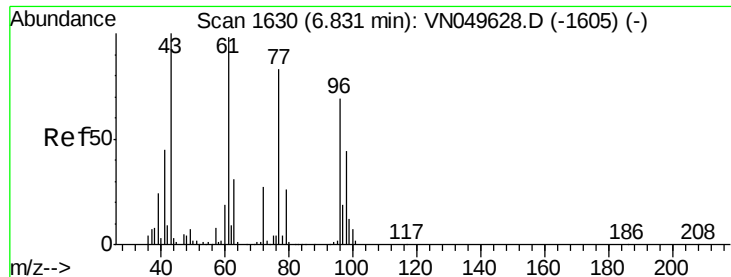
97 23.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampled :

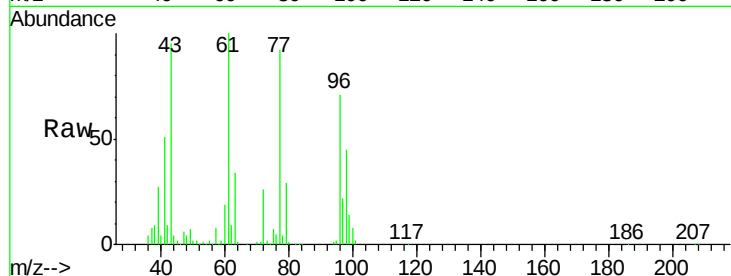
Tot Ion: 96 Resp: 355063

Ion Ratio Lower Upper

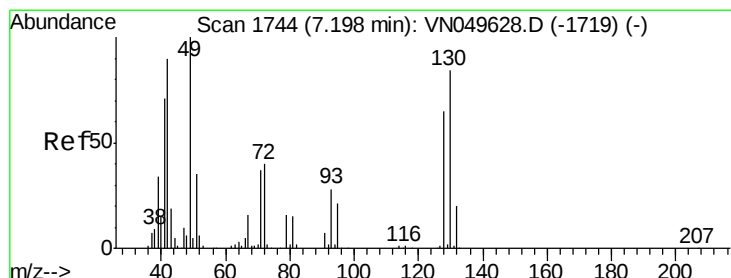
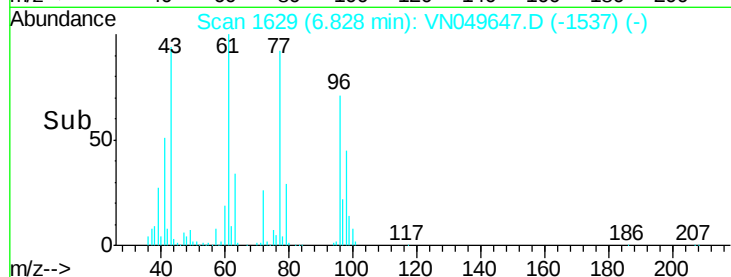
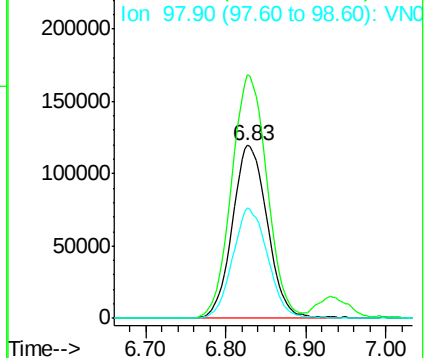
96 100

61 142.8 0.0 289.0

98 63.6 0.0 130.2



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: 18.87 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

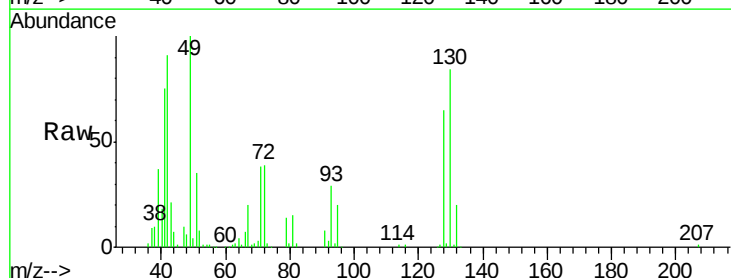
Tgt Ion: 49 Resp: 244402

Ion Ratio Lower Upper

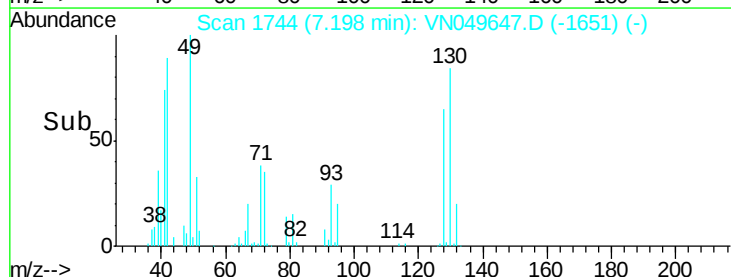
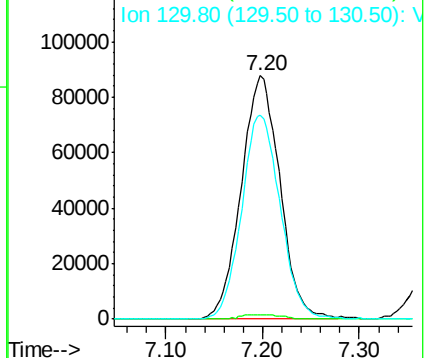
49 100

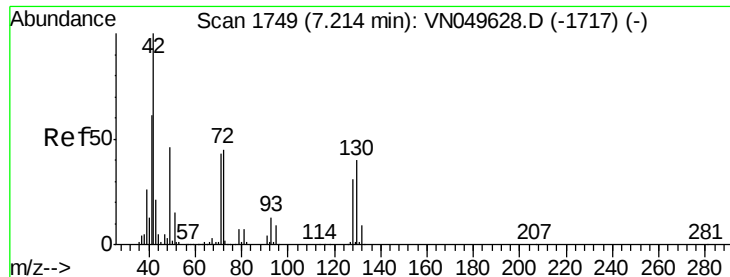
129 1.0 0.0 4.2

130 83.6 65.5 98.3



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

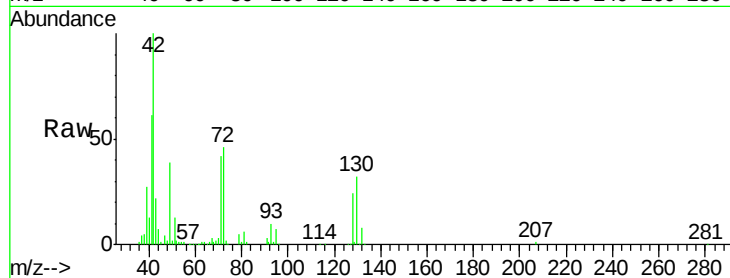




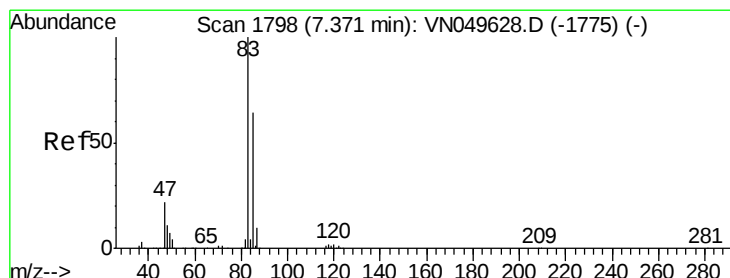
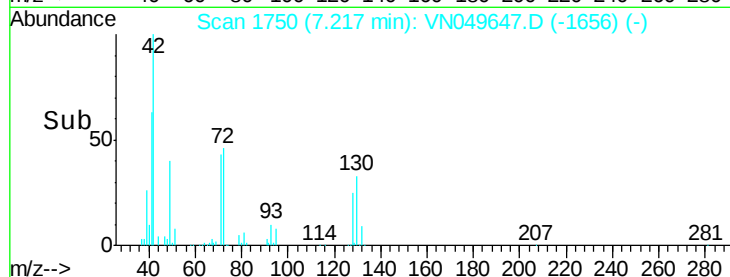
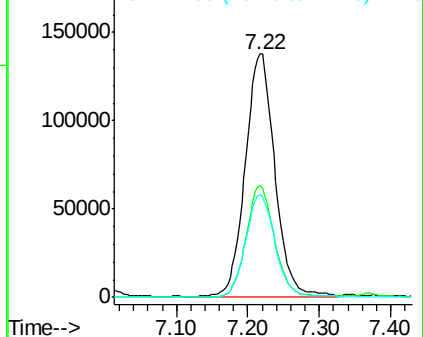
#29
Tetrahydrofuran
Concen: 107.13 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.6	53.4
71	41.9	34.0	51.0

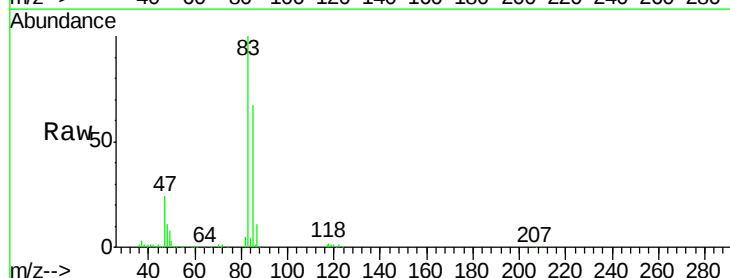


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

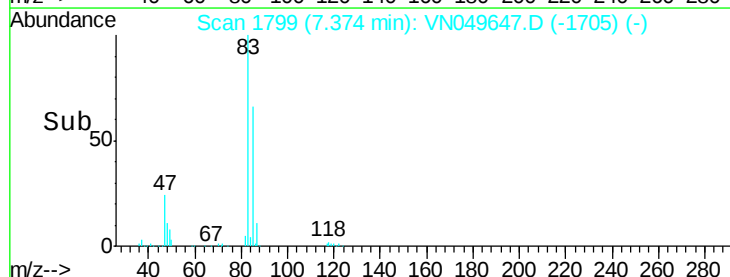
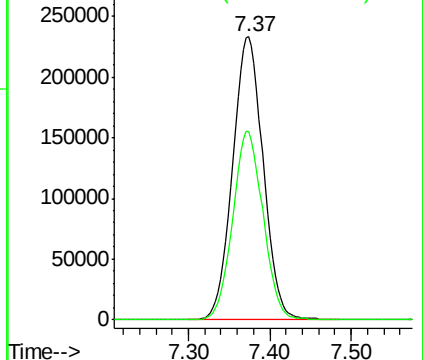


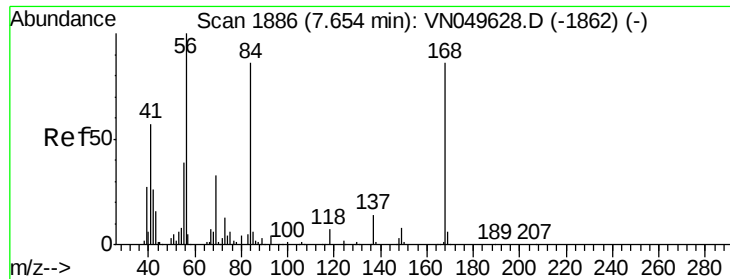
#30
Chloroform
Concen: 19.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2



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

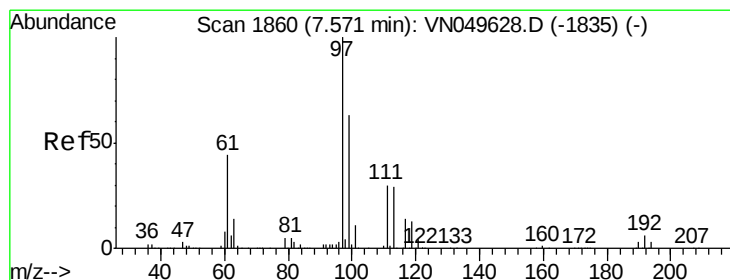
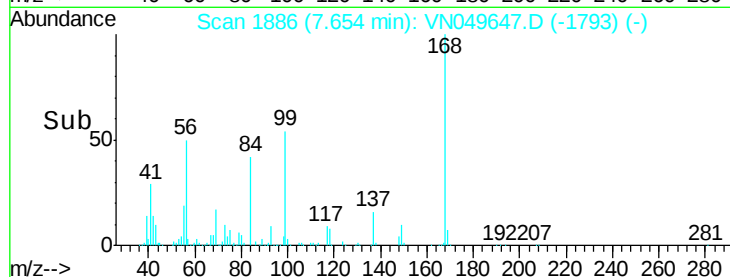
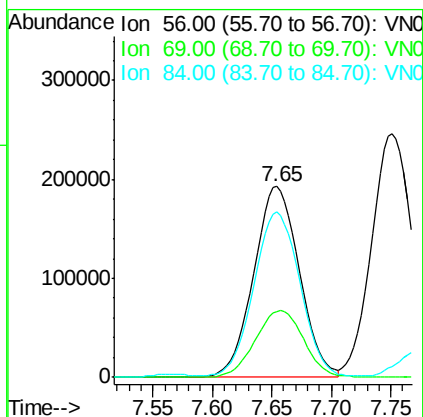
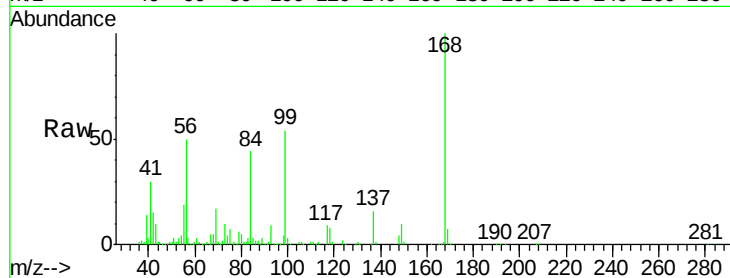




#31
Cyclohexane
Concen: 19.15 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

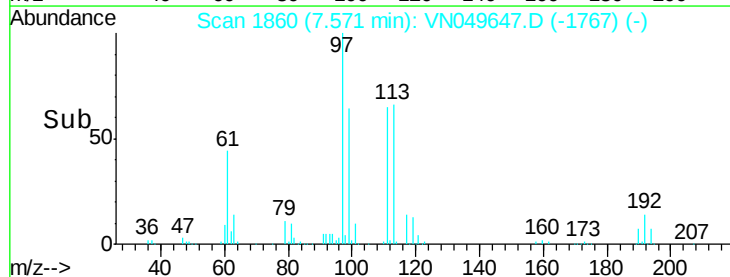
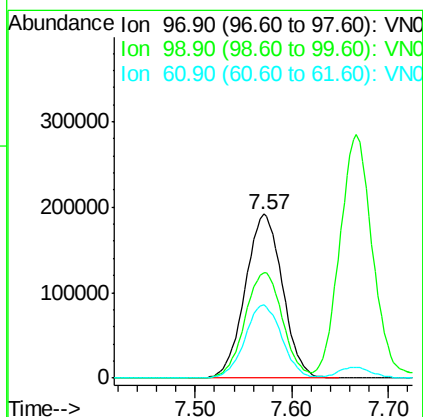
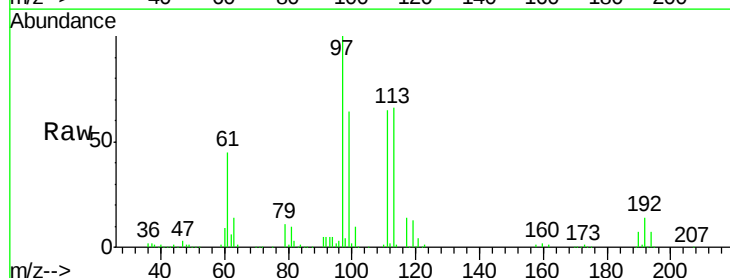
Instrument :
MSVOA_N
ClientSampleId :

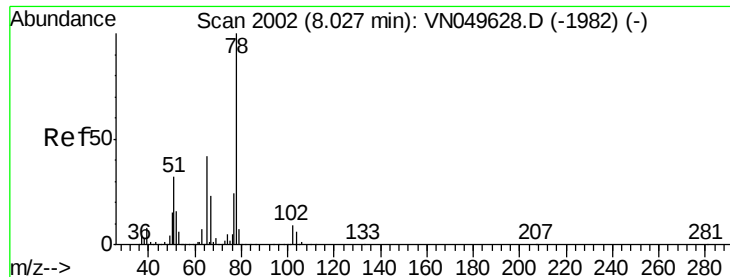
Tot Ion: 56 Resp: 512901
Ion Ratio Lower Upper
56 100
69 34.6 26.6 40.0
84 85.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 19.47 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 97 Resp: 512711
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 44.2 35.5 53.3

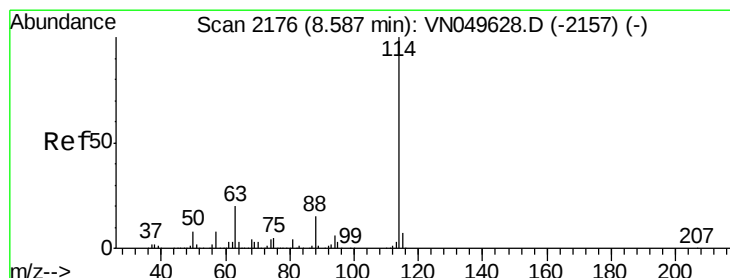
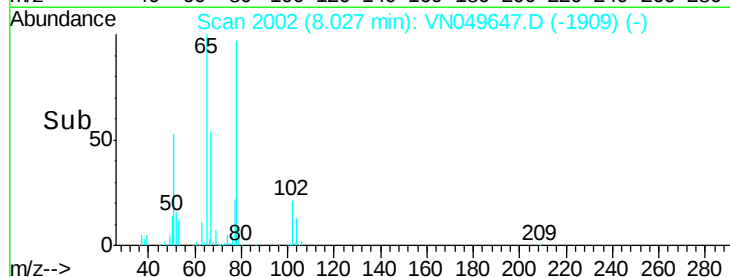
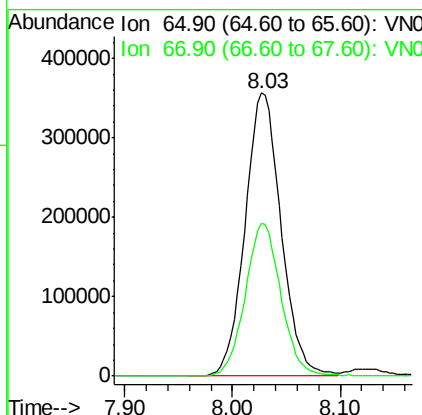
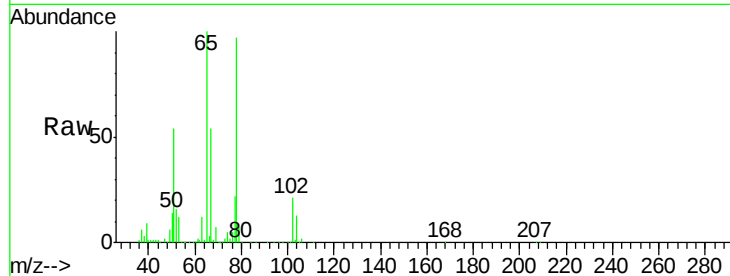




#33
 1,2-Dichloroethane-d4
 Concen: 47.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

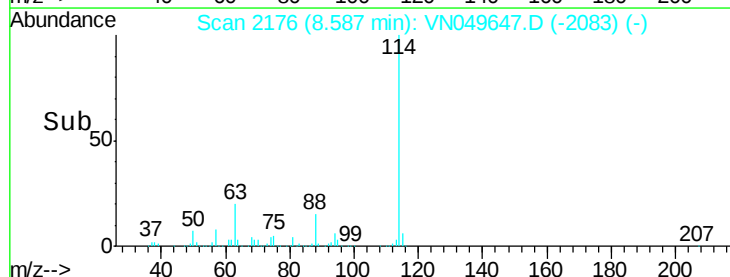
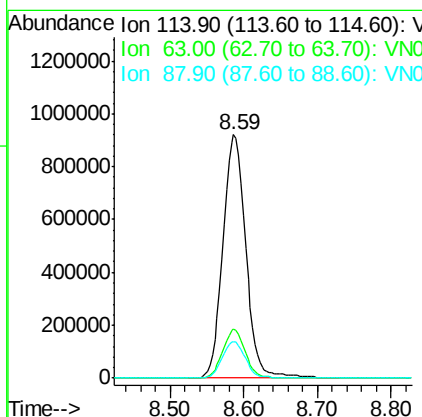
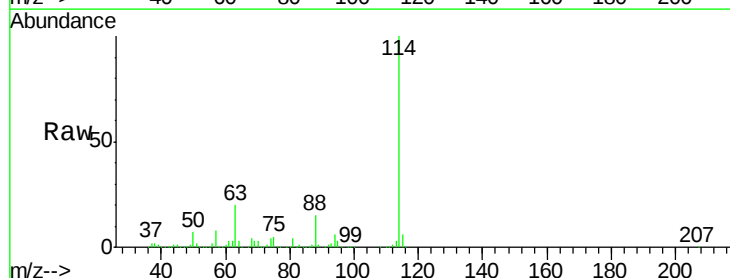
Instrument :
 MSVOA_N
 ClientSampleId :

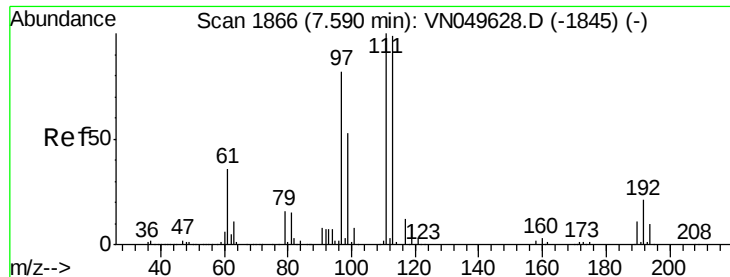
Tot Ion: 65 Resp: 826239
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion: 114 Resp: 1994727
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.2 0.0 30.6

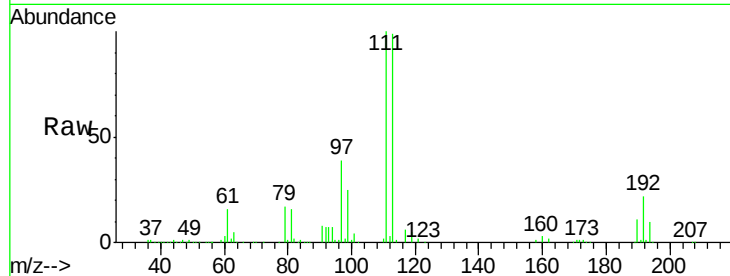




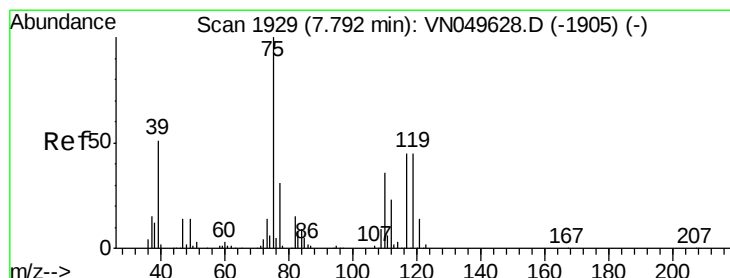
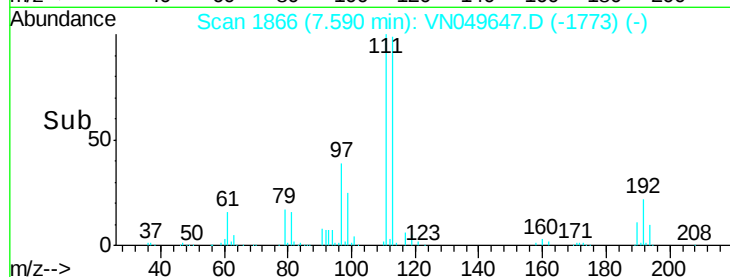
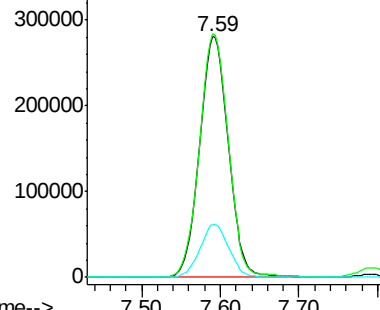
#35
 Dibromofluoromethane
 Concen: 47.76 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	21.9	17.8	26.6

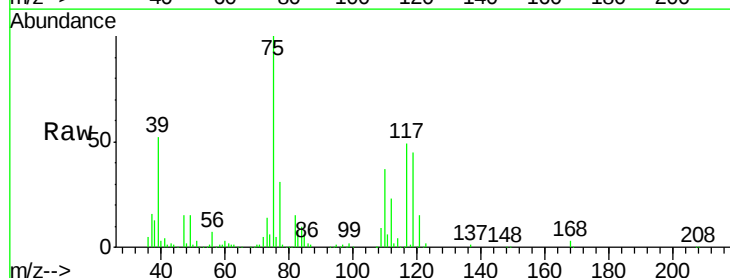


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

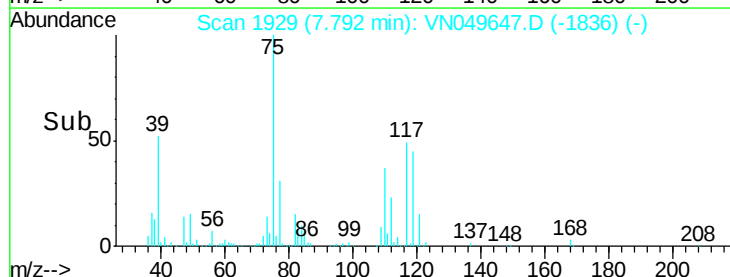
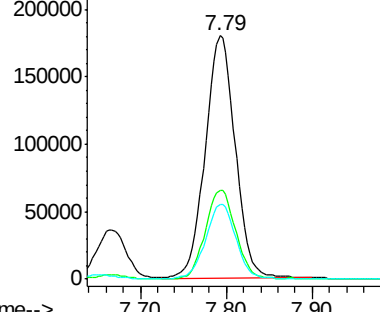


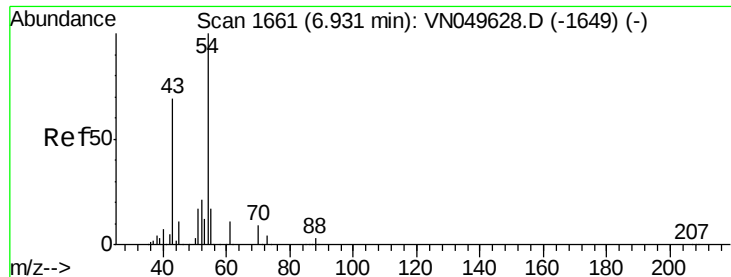
#36
 1,1-Dichloropropene
 Concen: 19.40 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.4
77	30.6	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

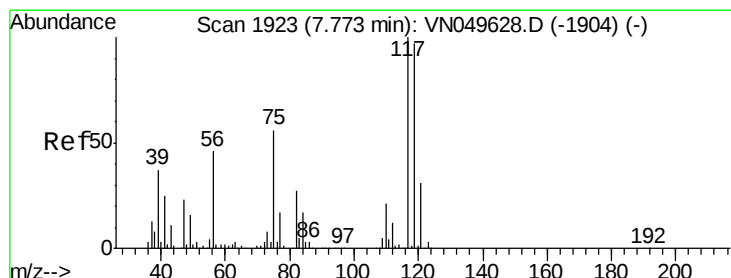
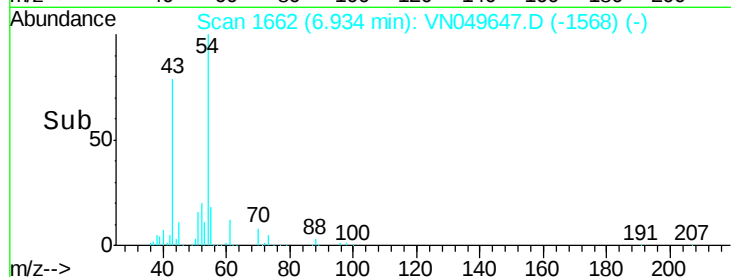
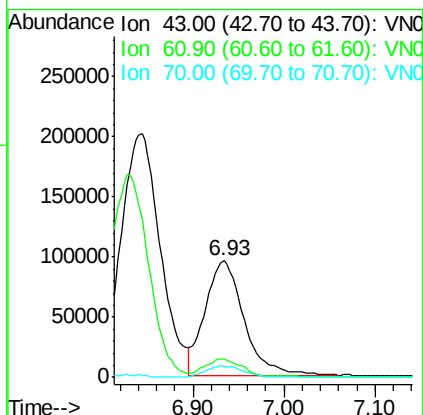
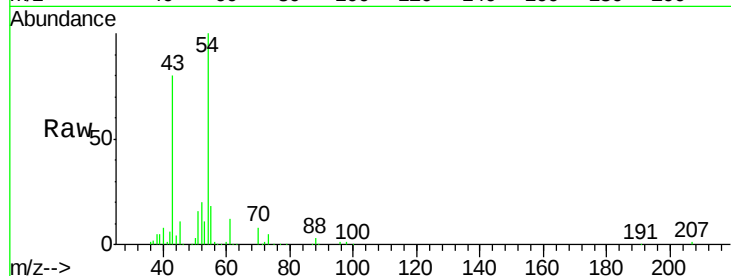




#37
Ethyl Acetate
Concen: 21.79 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

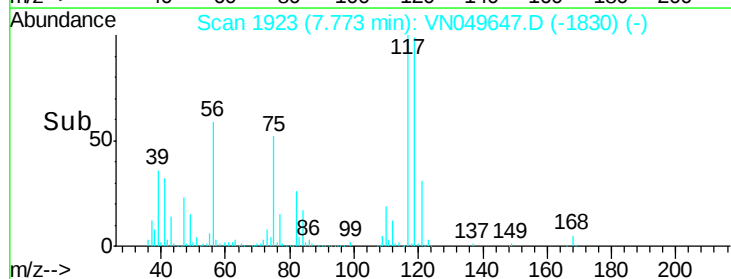
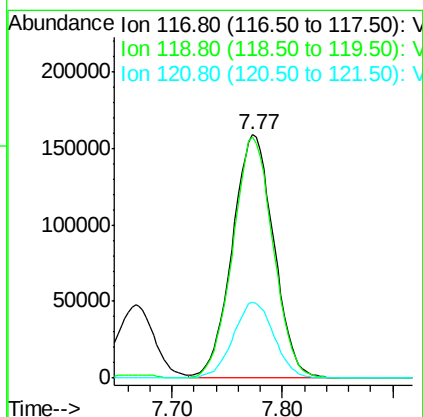
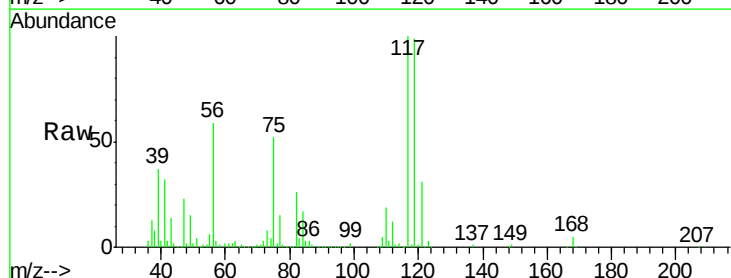
Instrument :
MSVOA_N
ClientSampled :

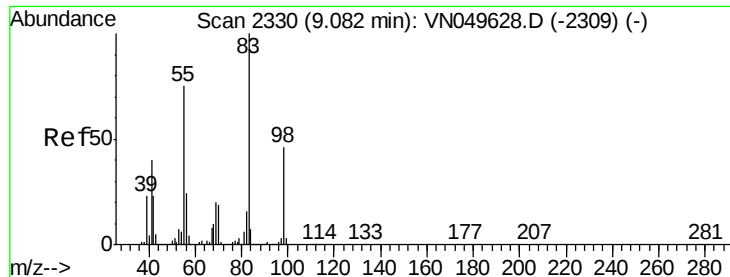
Tot Ion: 43 Resp: 285172
Ion Ratio Lower Upper
43 100
61 13.0 11.7 17.5
70 9.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.81 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 117 Resp: 410699
Ion Ratio Lower Upper
117 100
119 98.7 77.2 115.8
121 31.4 25.0 37.6

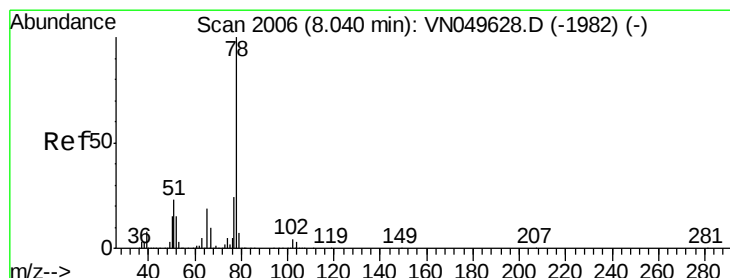
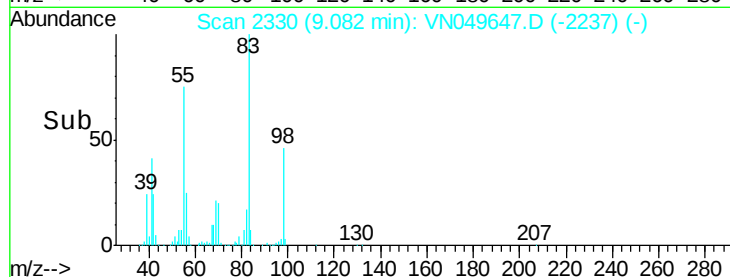
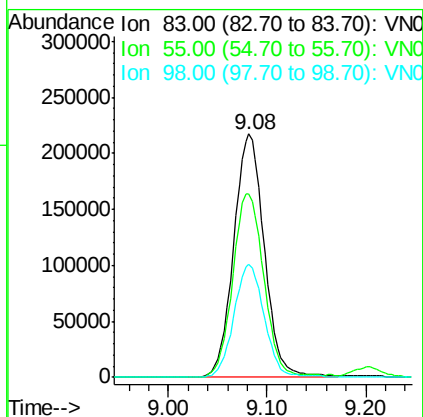
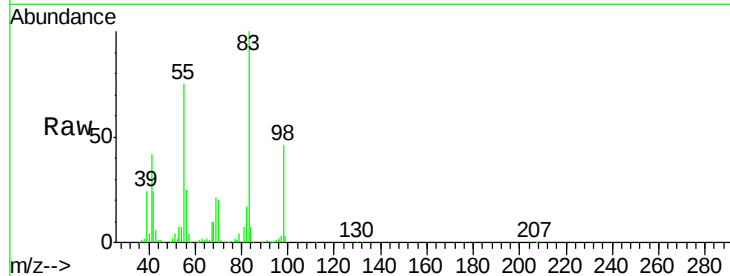




#39
Methvlcvclohexane
Concen: 19.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

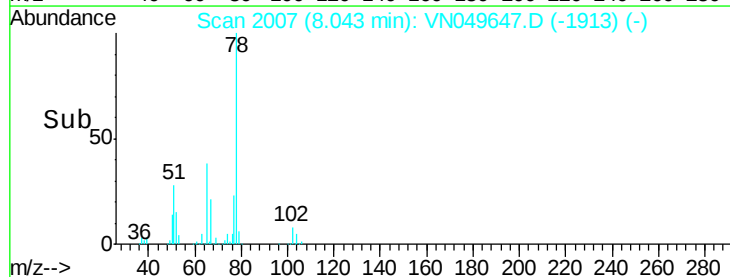
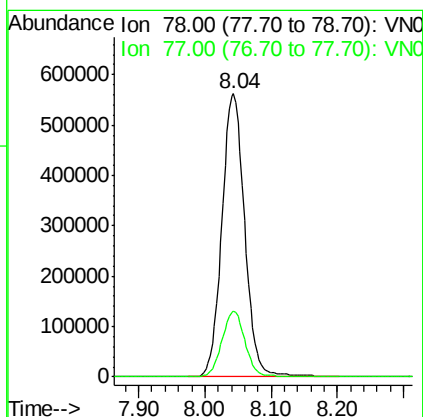
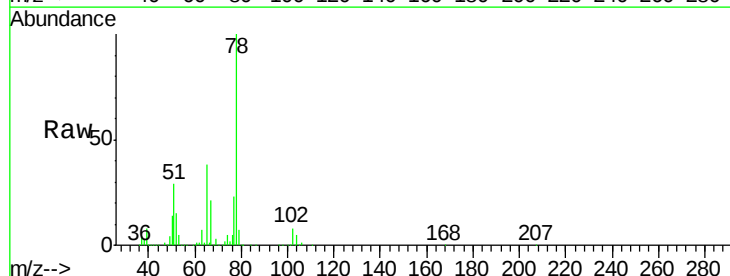
Instrument :
MSVOA_N
ClientSampleId :

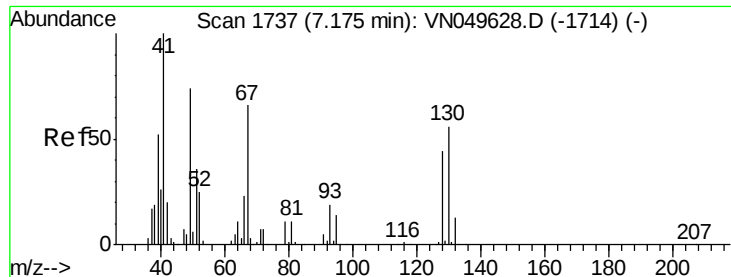
Tot Ion: 83 Resp: 468705
Ion Ratio Lower Upper
83 100
55 75.3 59.7 89.5
98 46.3 36.5 54.7



#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 78 Resp: 1345032
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

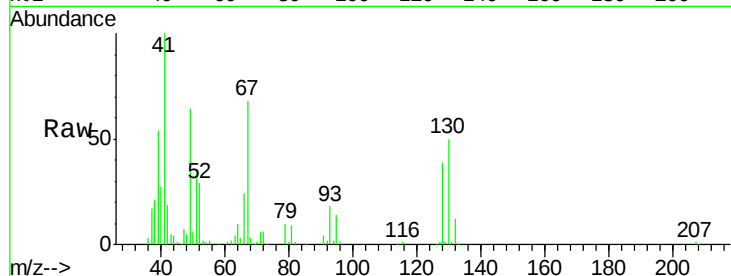




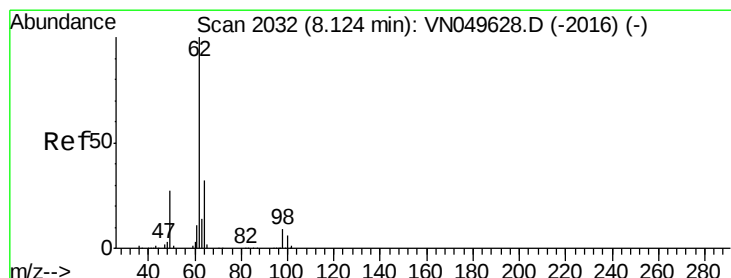
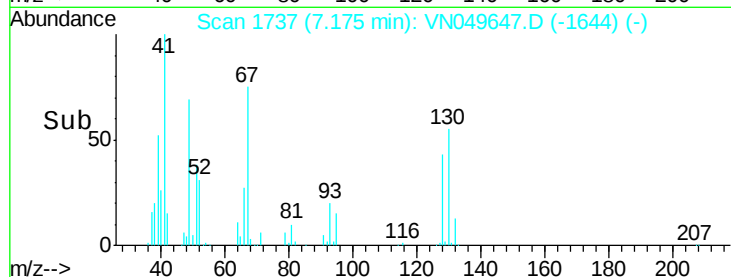
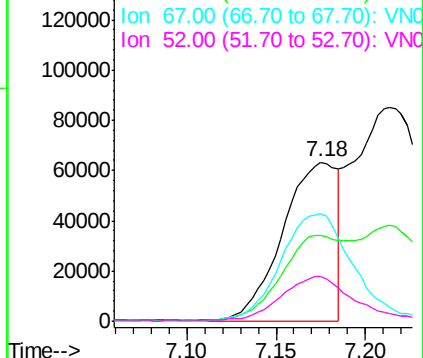
#41
Methacrylonitrile
Concen: 18.18 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	134158
Ion	Ratio	Lower	Upper
41	100		
39	58.5	45.4	68.2
67	91.0	65.4	98.0
52	36.3	24.7	37.1

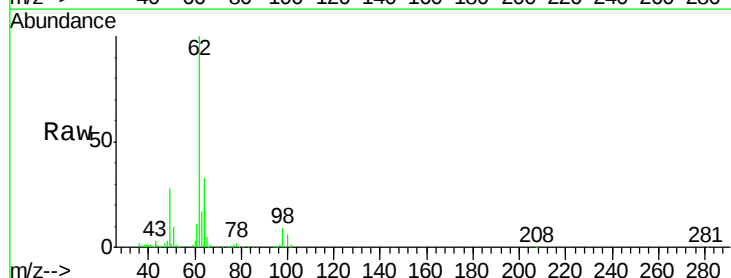


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

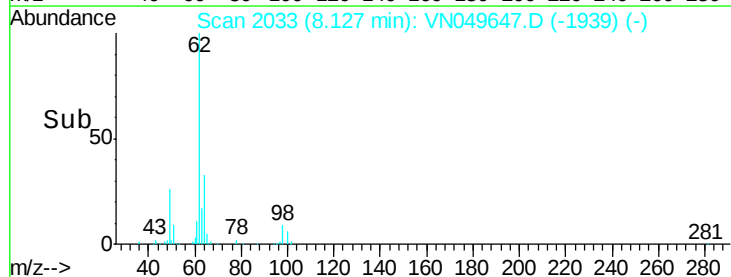
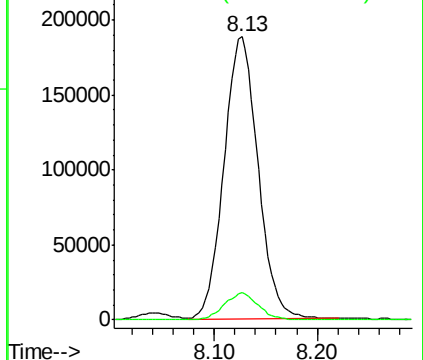


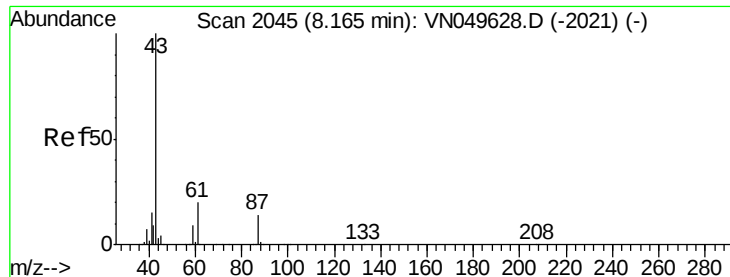
#42
1,2-Dichloroethane
Concen: 19.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion:	62	Resp:	433970
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



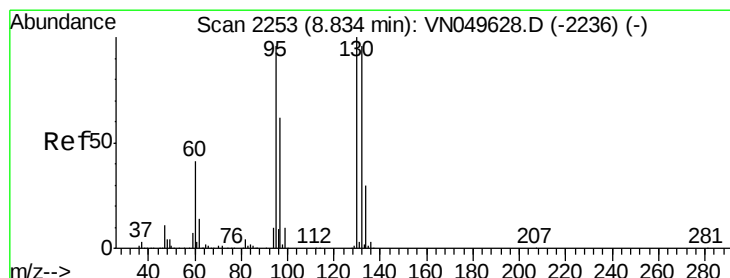
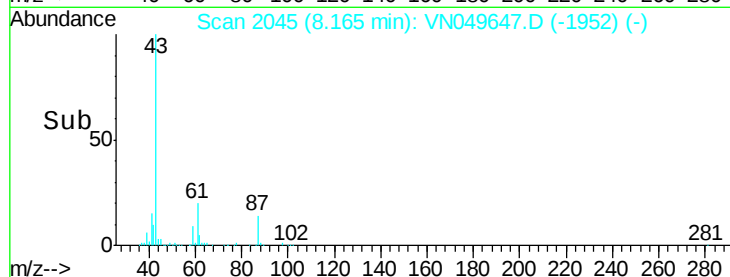
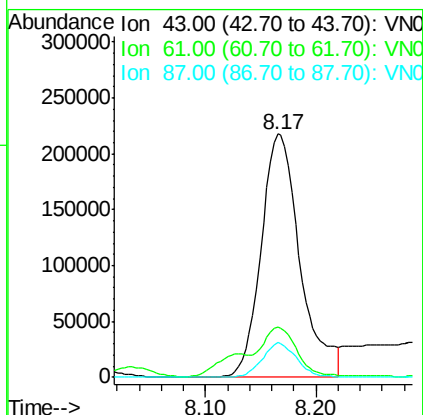
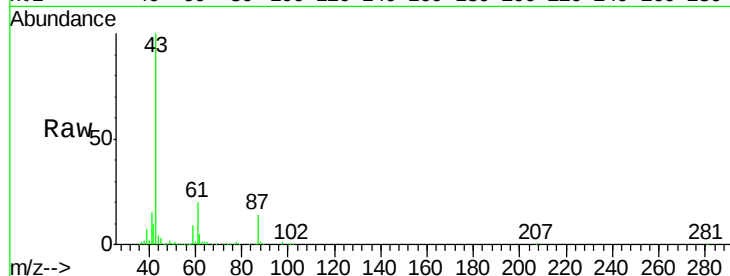


#43

Isopropyl Acetate
 Concen: 19.98 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :

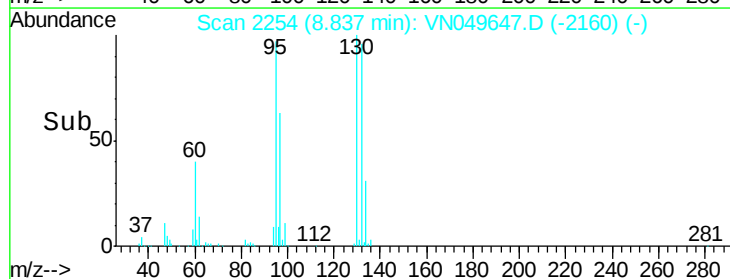
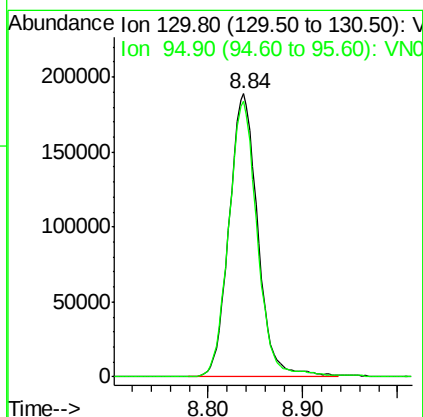
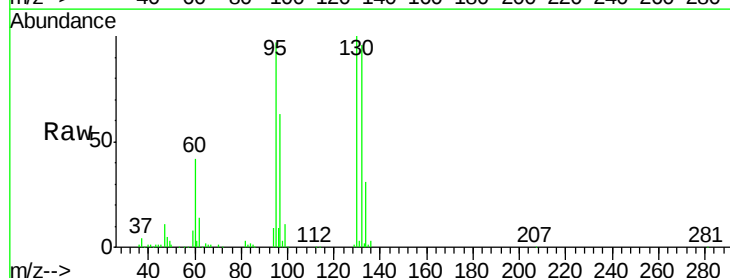
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.9	22.3
87	12.6	10.0	15.0

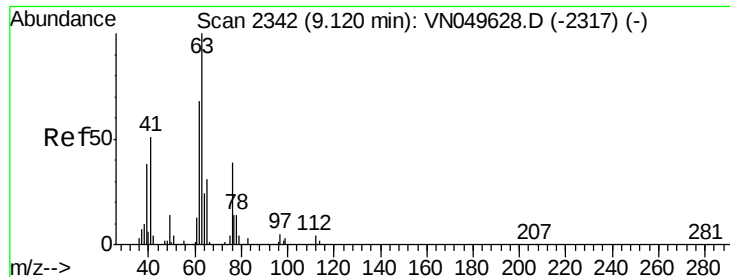


#44

Trichloroethene
 Concen: 19.23 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	192.8





#45

1,2-Dichloropropane

Concen: 20.39 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

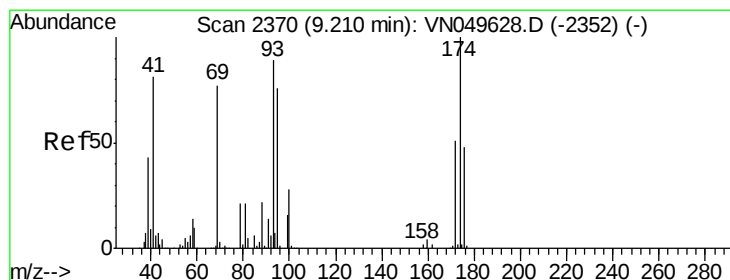
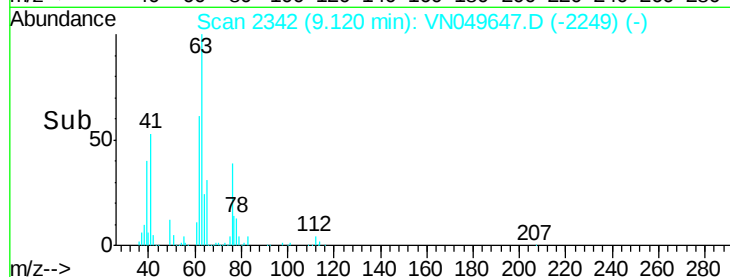
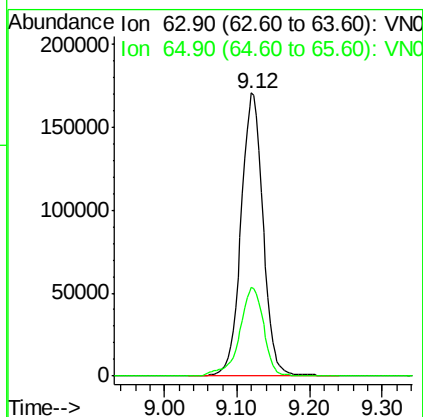
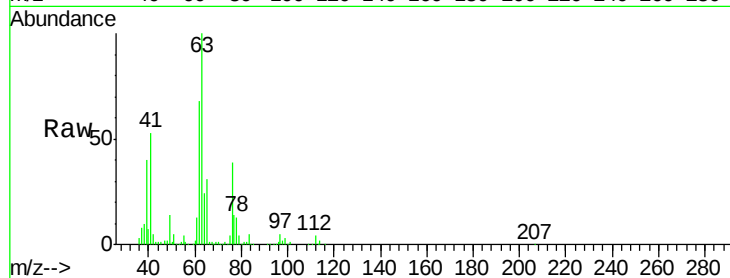
ClientSampleId :

Tot Ion: 63 Resp: 360948

Ion Ratio Lower Upper

63 100

65 31.4 24.7 37.1



#46

Dibromomethane

Concen: 20.22 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

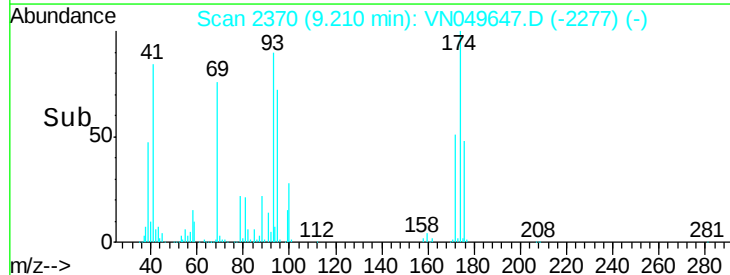
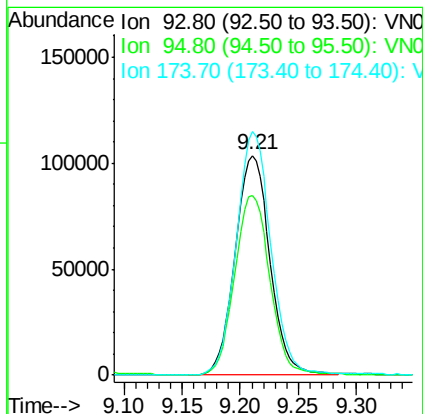
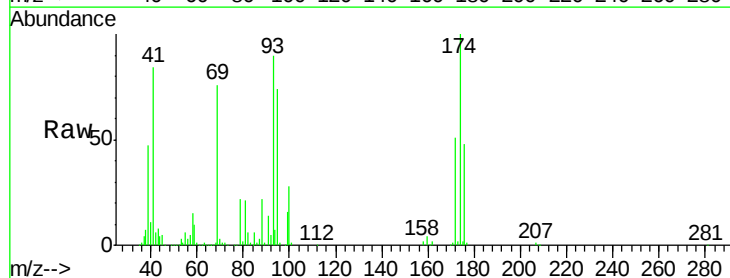
Tgt Ion: 93 Resp: 216600

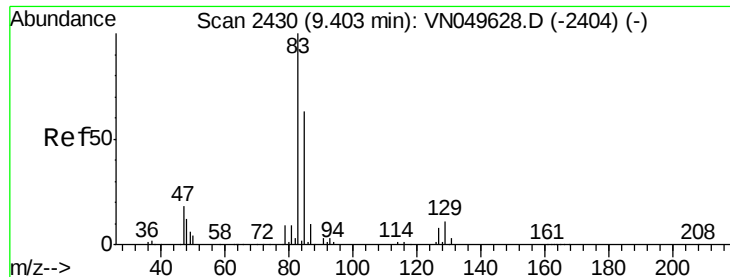
Ion Ratio Lower Upper

93 100

95 82.7 67.9 101.9

174 110.1 89.4 134.0

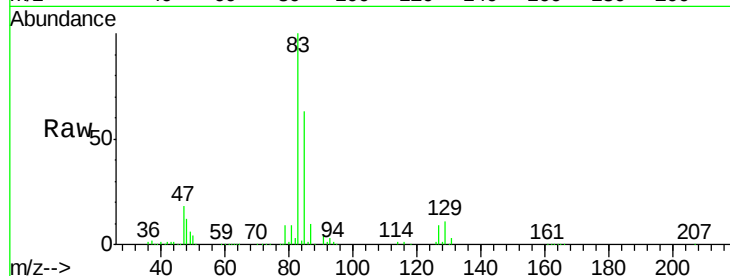




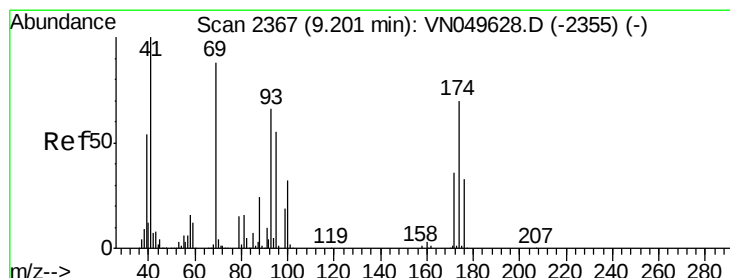
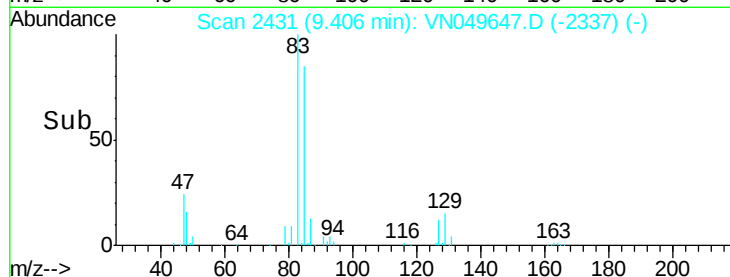
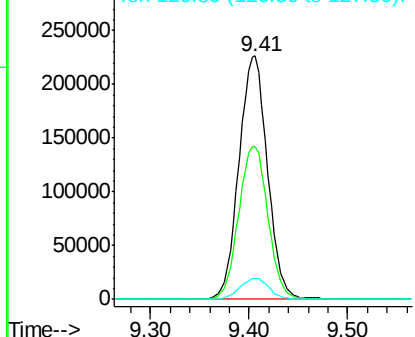
#47
Bromodichloromethane
Concen: 19.88 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 453222
Ion Ratio Lower Upper
83 100
85 62.9 50.5 75.7
127 8.7 6.8 10.2

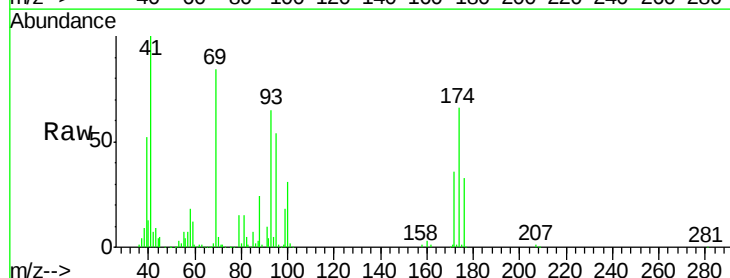


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

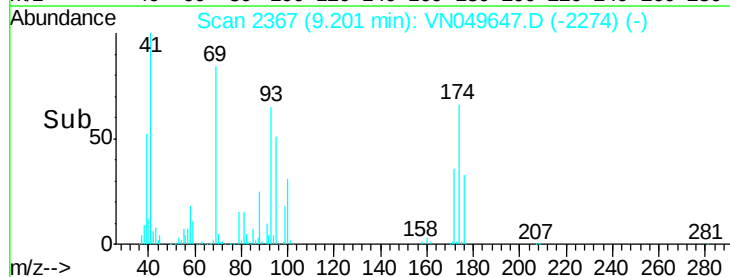
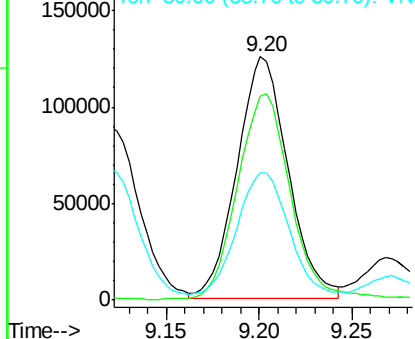


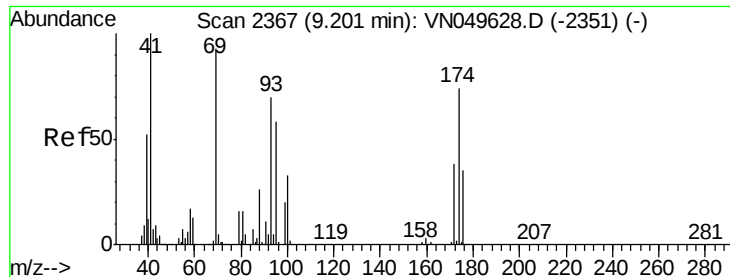
#48
Methyl methacrylate
Concen: 20.63 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 41 Resp: 240006
Ion Ratio Lower Upper
41 100
69 88.4 71.5 107.3
39 55.8 44.7 67.1



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

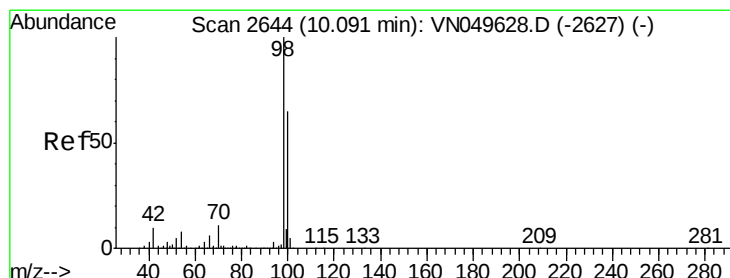
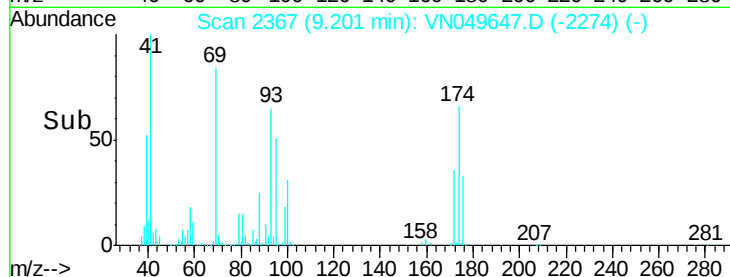
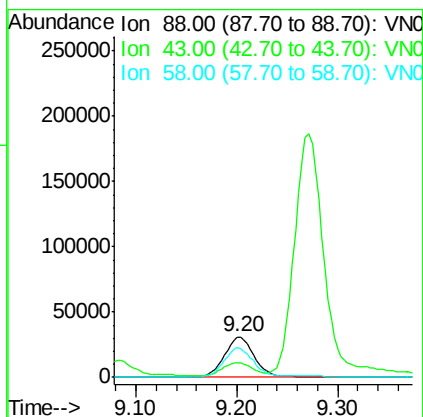
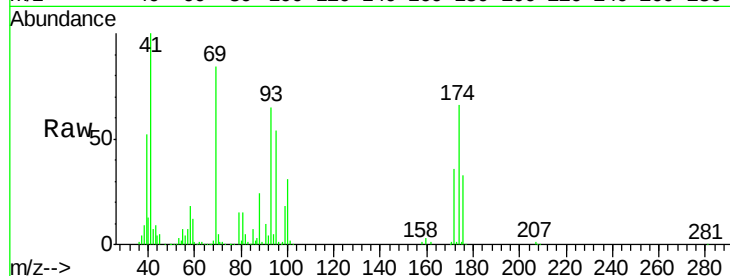




#49
1,4-Dioxane
Concen: 416.46 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

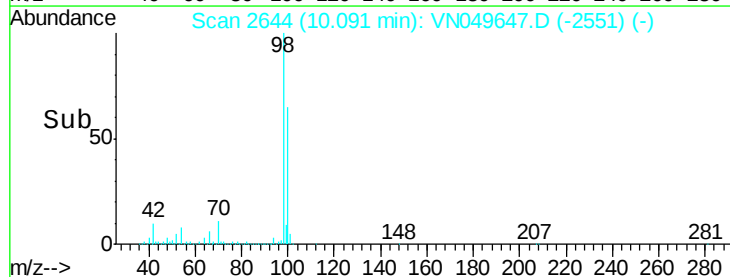
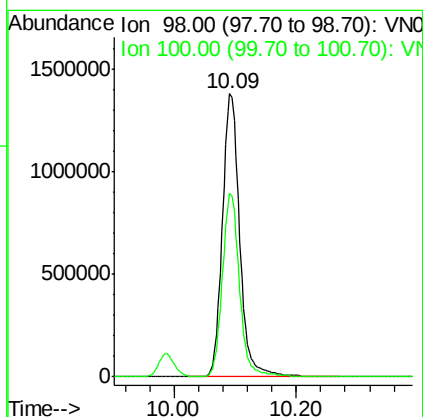
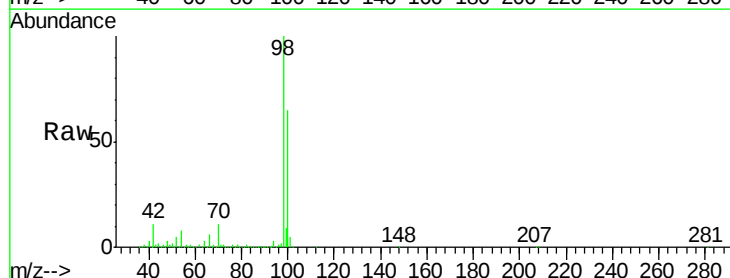
Instrument :
MSVOA_N
ClientSampleId :

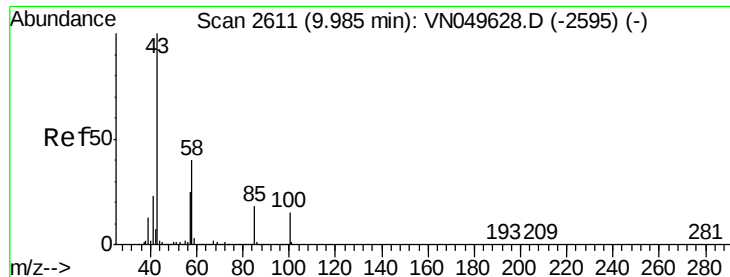
Tot Ion: 88 Resp: 65125
Ion Ratio Lower Upper
88 100
43 31.5 25.1 37.7
58 71.4 52.5 78.7



#50
Toluene-d8
Concen: 46.05 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 98 Resp: 2687793
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

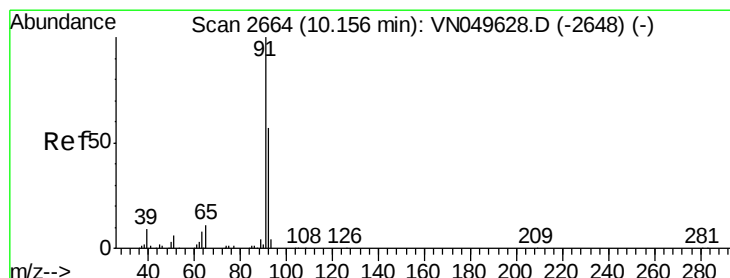
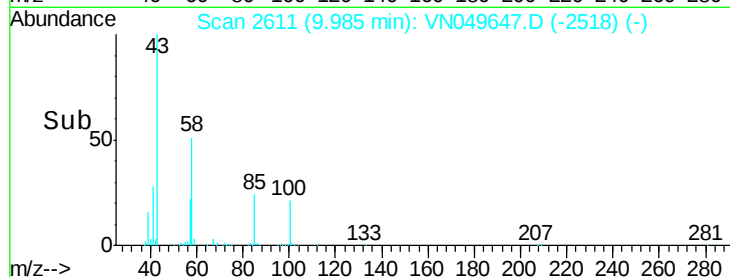
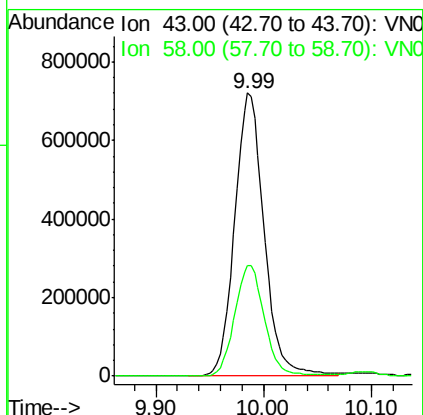
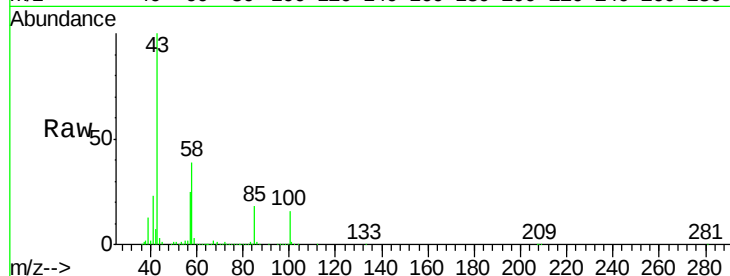




#51
4-Methyl-2-Pentanone
Concen: 105.91 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

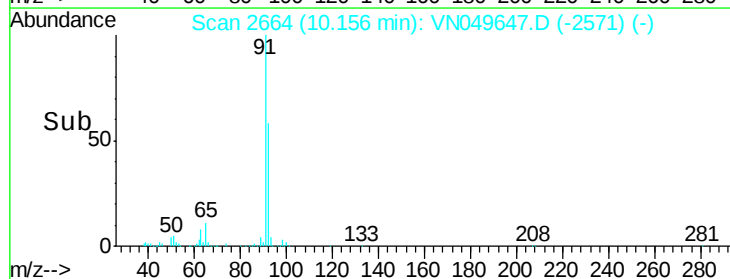
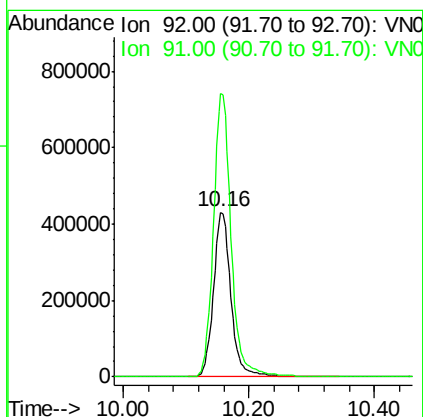
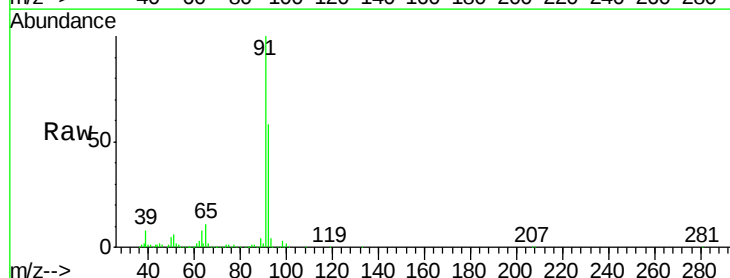
Instrument :
MSVOA_N
ClientSampled :

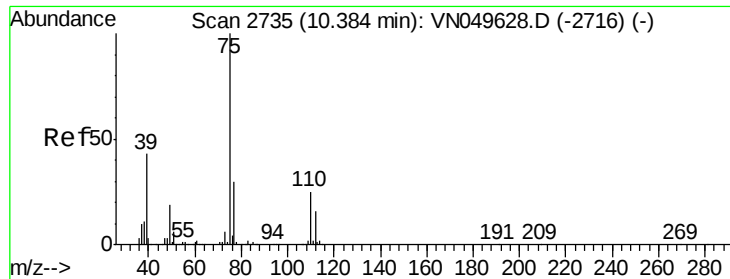
Tot Ion: 43 Resp: 1359226
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.8



#52
Toluene
Concen: 20.13 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 92 Resp: 833421
Ion Ratio Lower Upper
92 100
91 174.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.07 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

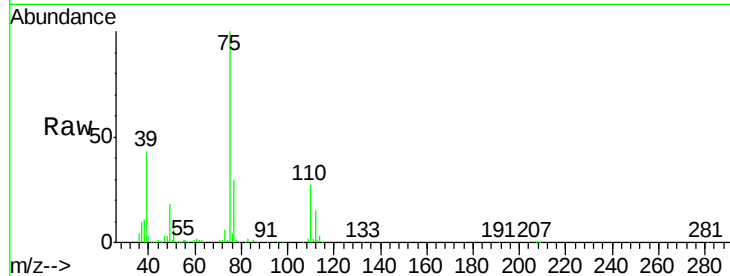
ClientSampled :

Tot Ion: 75 Resp: 438072

Ion Ratio Lower Upper

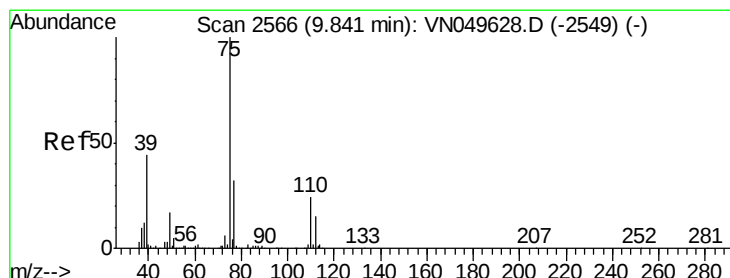
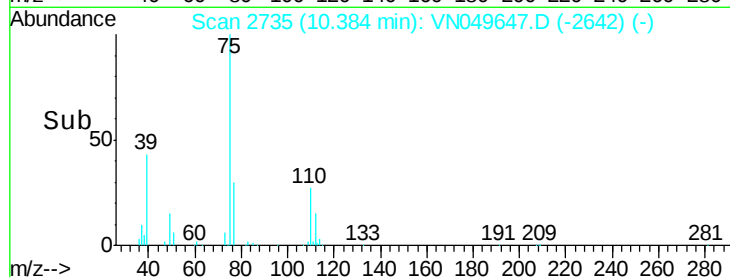
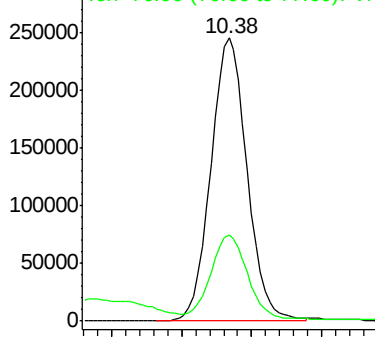
75 100

77 29.4 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.24 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

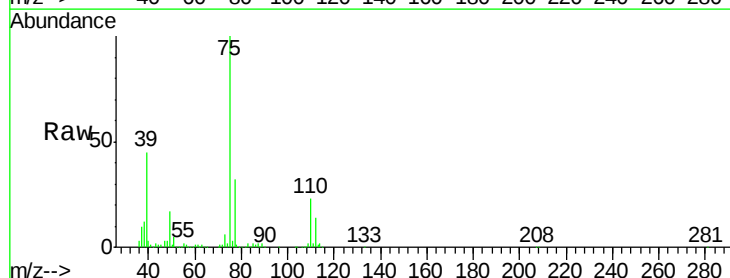
Tgt Ion: 75 Resp: 516523

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

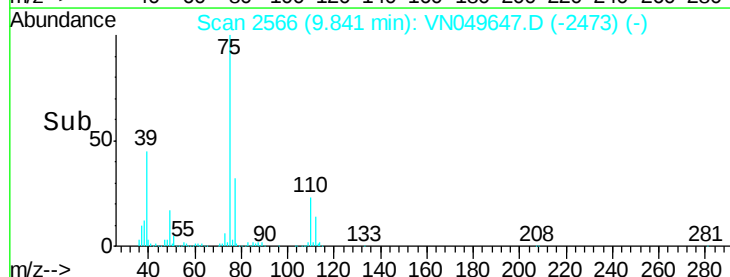
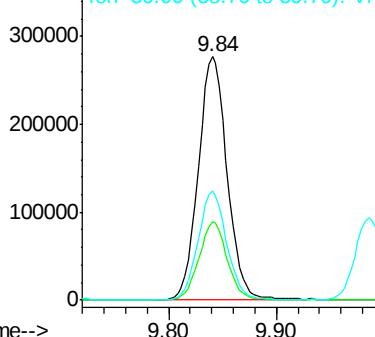
39 44.7 35.5 53.3

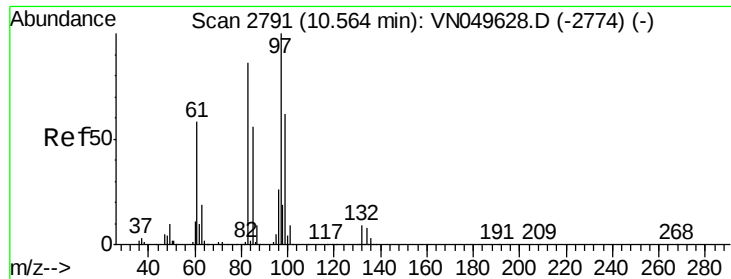


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

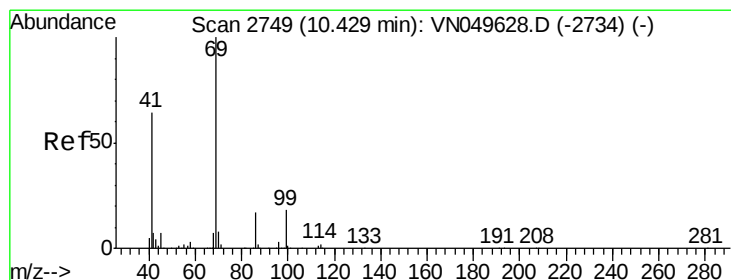
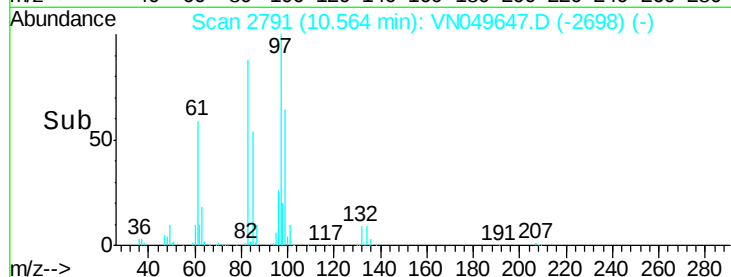
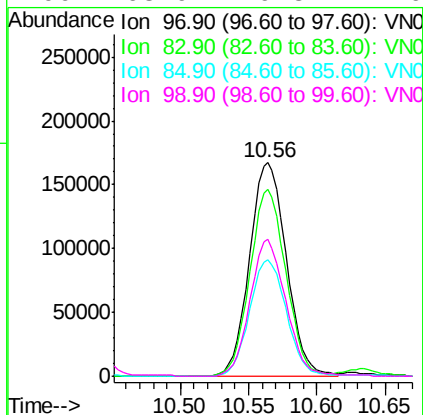
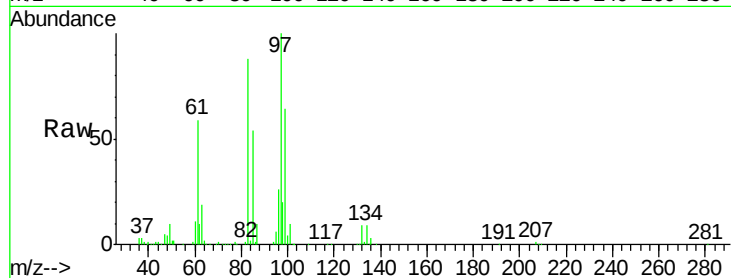




#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

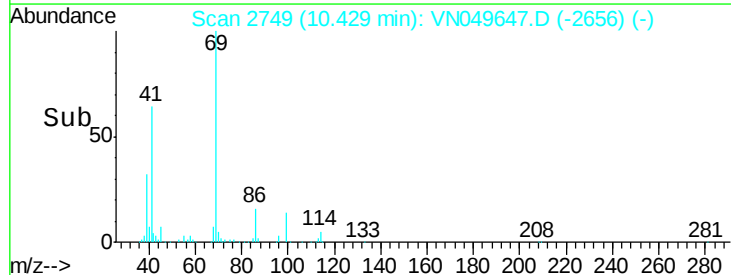
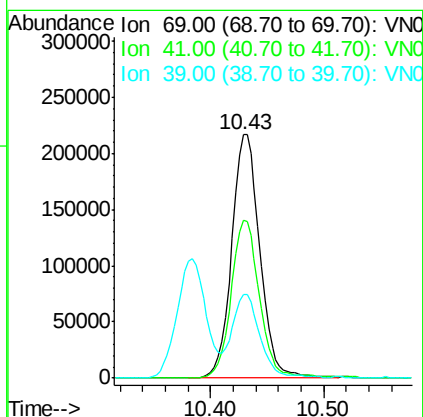
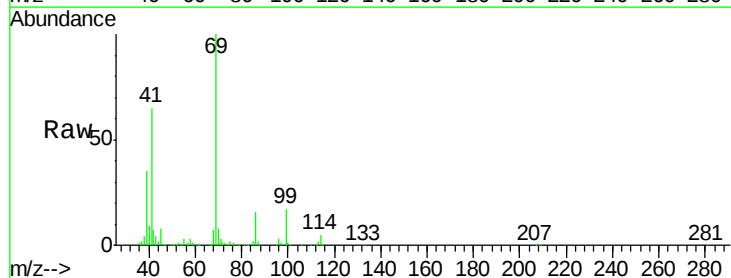
Instrument :
 MSVOA_N
 ClientSampled :

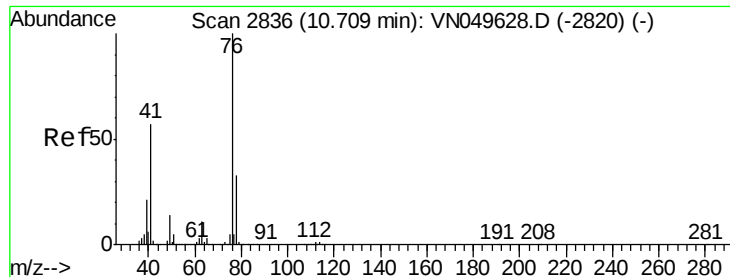
Tot Ion	97	Resp	314189
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.0	103.6
85	54.4	44.9	67.3
99	63.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.82 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion	69	Resp	376148
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.6	77.4
39	33.5	25.8	38.8





#57

1,3-Dichloropropane

Concen: 20.64 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

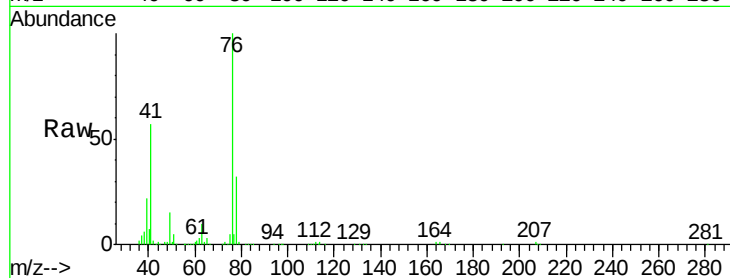
ClientSampleId :

Tot Ion: 76 Resp: 515935

Ion Ratio Lower Upper

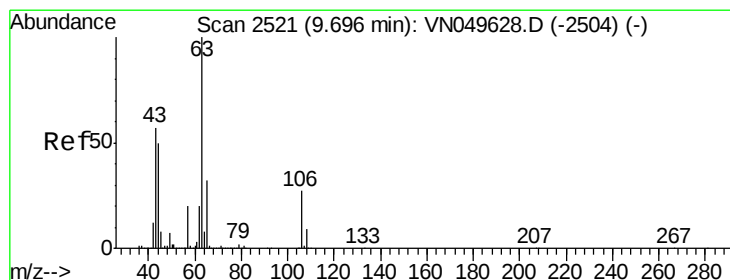
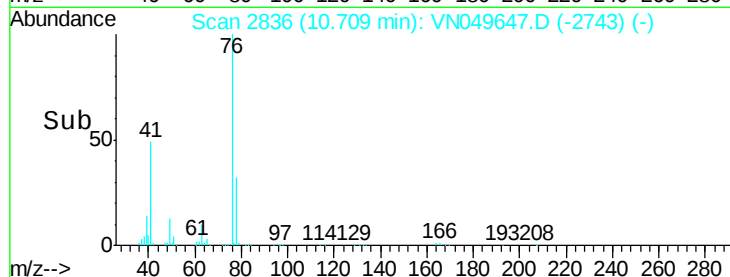
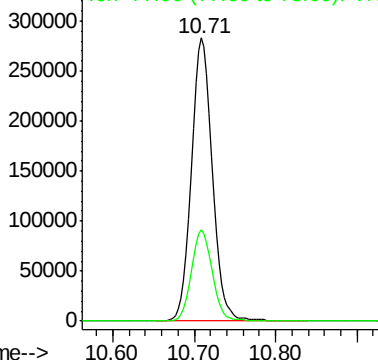
76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.35 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049647.D

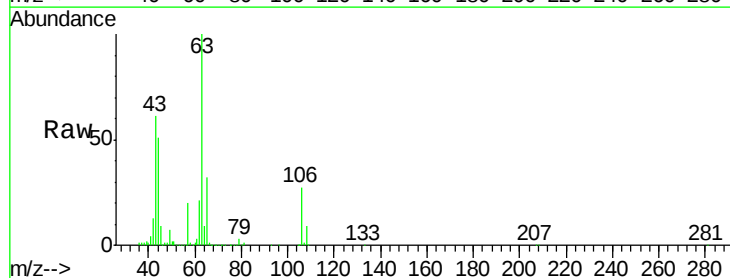
Acq: 30 Jun 2018 14:52

Tgt Ion: 63 Resp: 802522

Ion Ratio Lower Upper

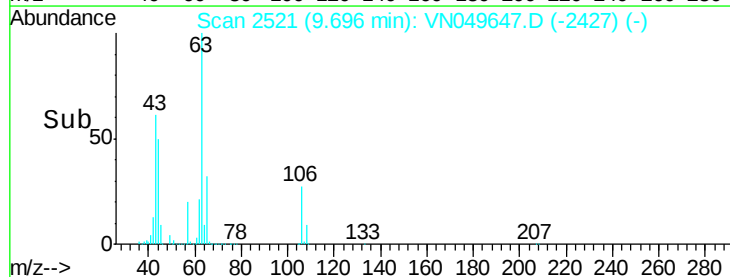
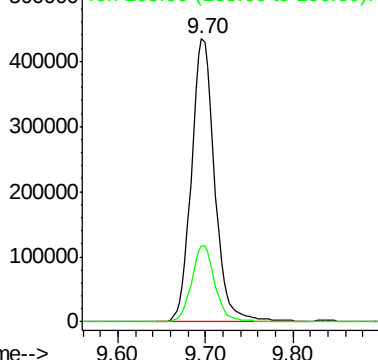
63 100

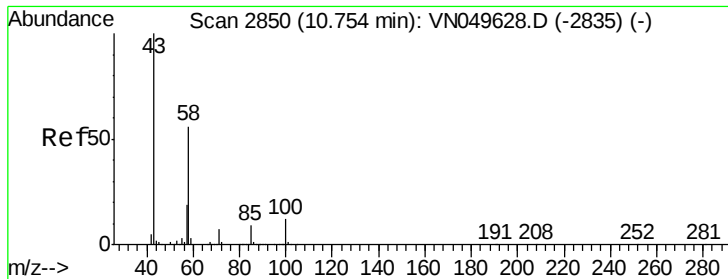
106 26.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

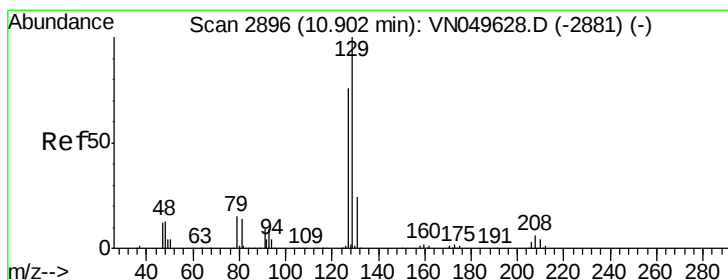
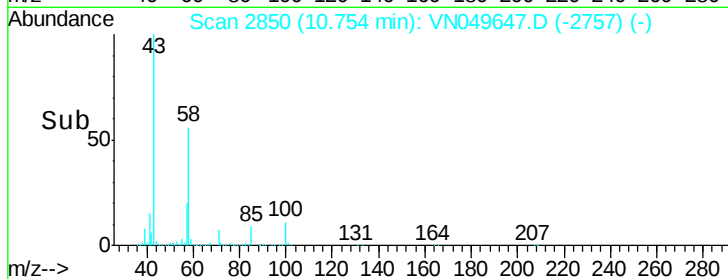
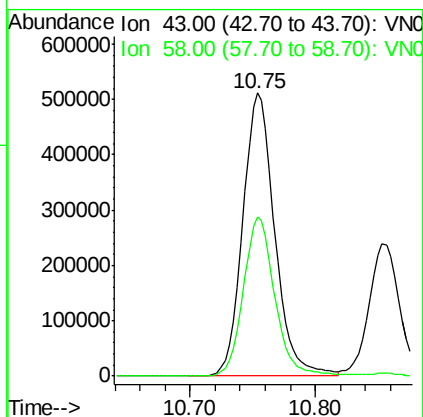
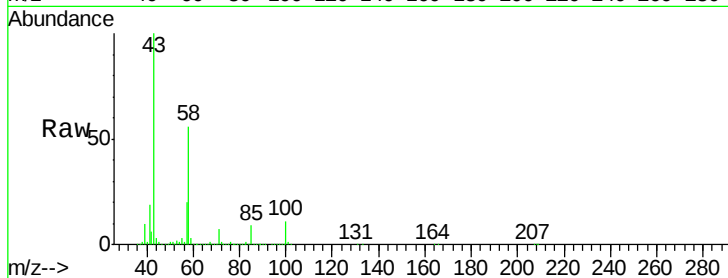




#59
2-Hexanone
Concen: 106.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

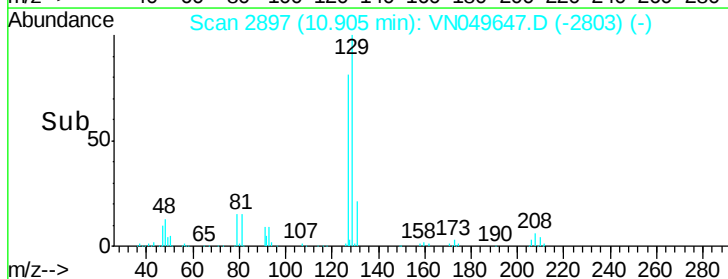
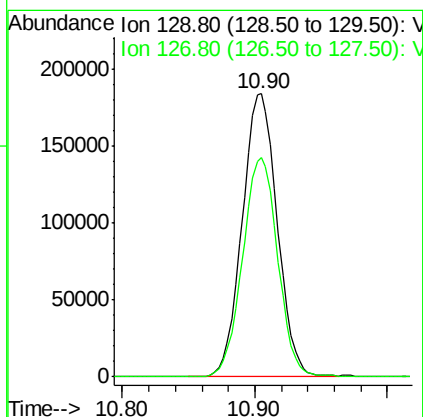
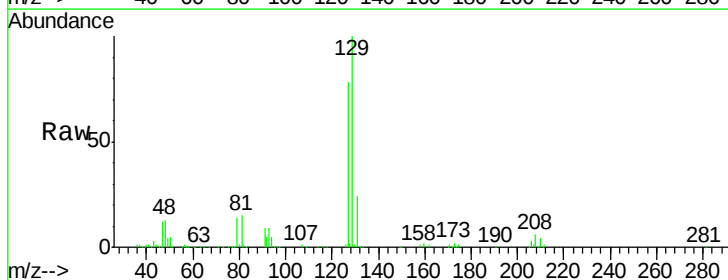
Instrument :
MSVOA_N
ClientSampled :

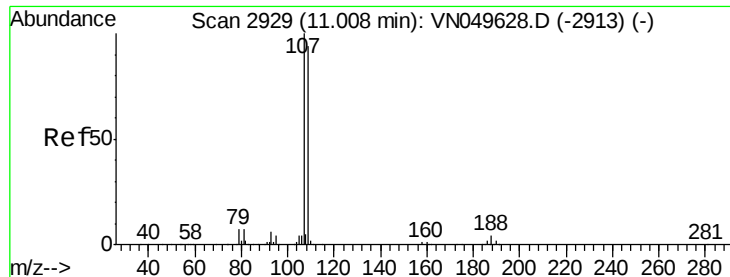
Tot Ion: 43 Resp: 901047
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.4



#60
Dibromochloromethane
Concen: 20.31 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 129 Resp: 338385
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.06 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

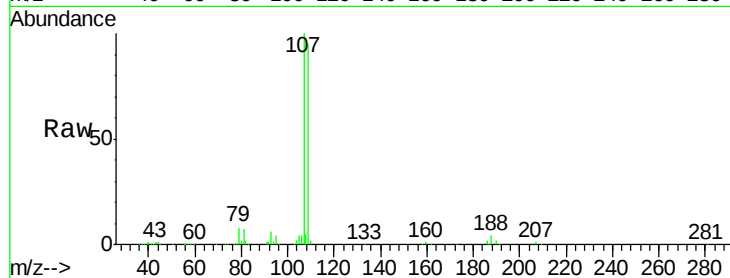
ClientSampleId :

Tot Ion: 107 Resp: 296214

Ion Ratio Lower Upper

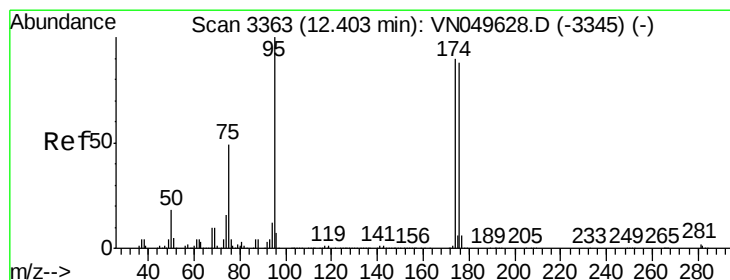
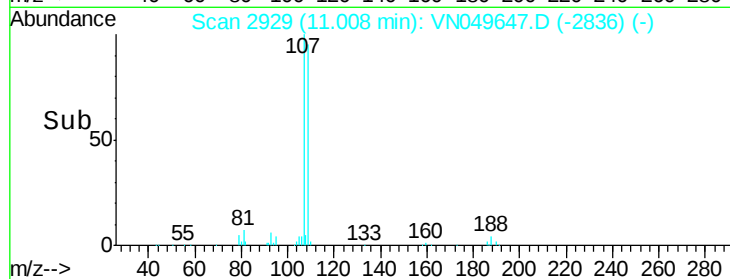
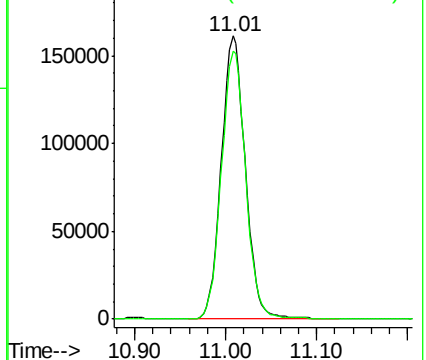
107 100

109 96.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

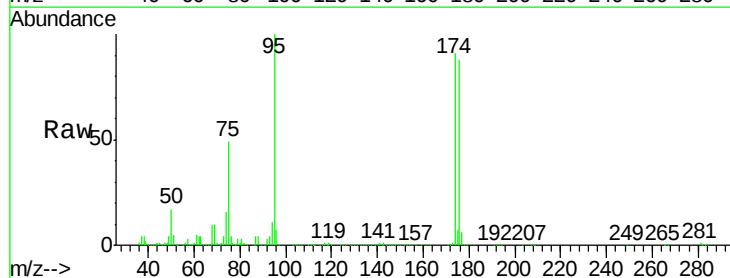
Tgt Ion: 95 Resp: 933745

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.6

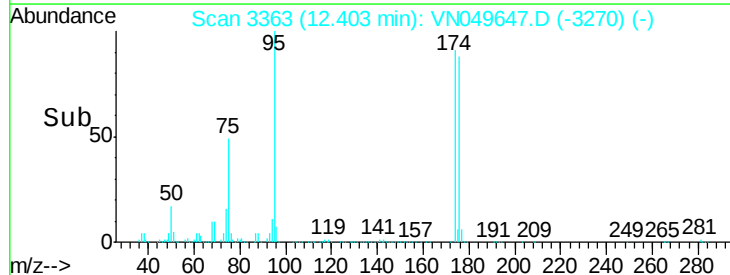
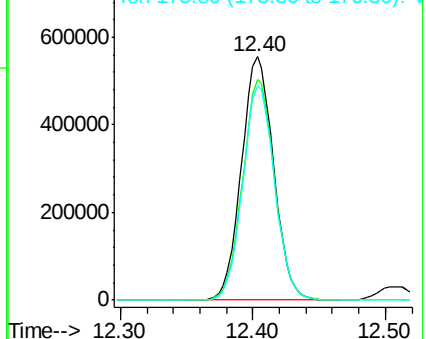
176 87.5 0.0 174.0

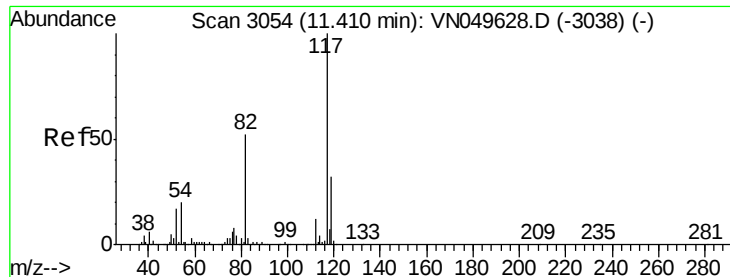


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

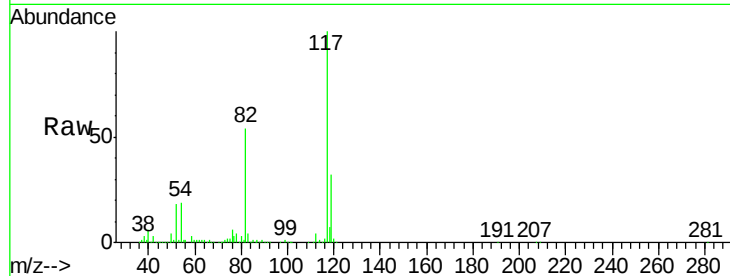




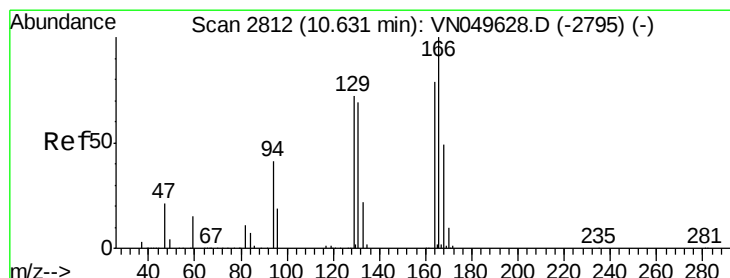
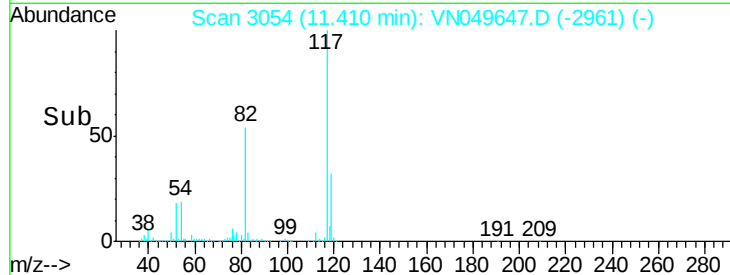
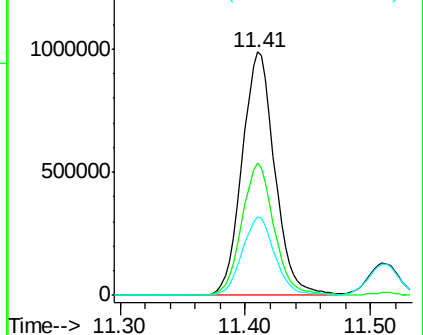
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1794506
Ion Ratio Lower Upper
117 100
82 54.1 41.9 62.9
119 32.1 25.4 38.2

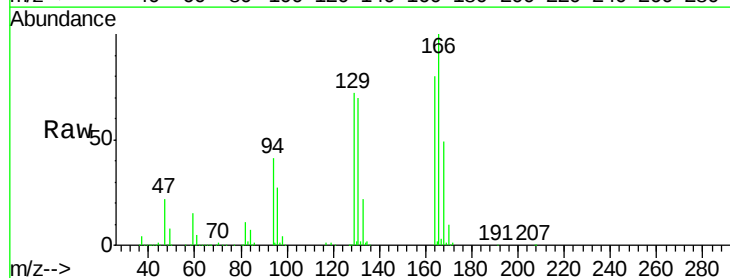


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

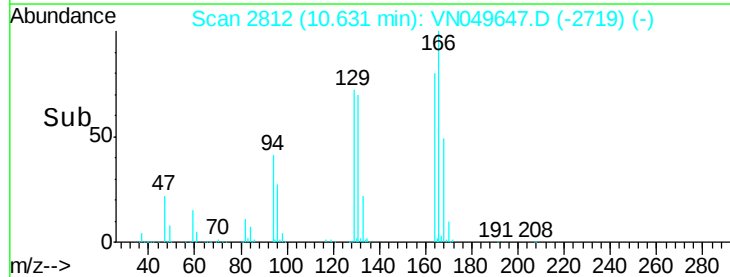
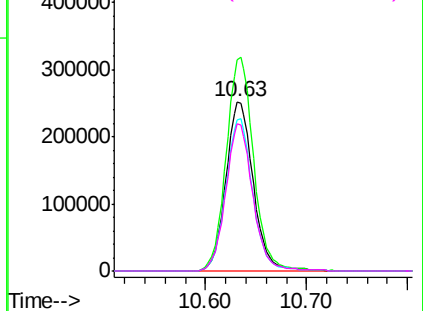


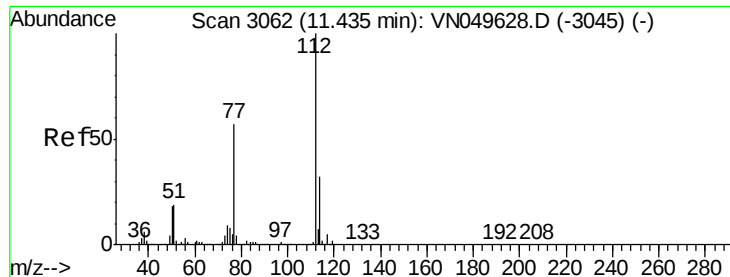
#64
Tetrachloroethene
Concen: 19.58 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion:164 Resp: 475708
Ion Ratio Lower Upper
164 100
166 124.7 101.8 152.6
129 89.8 72.8 109.2
131 87.2 70.0 105.0



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

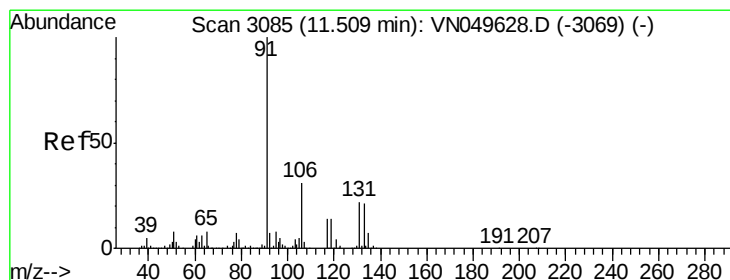
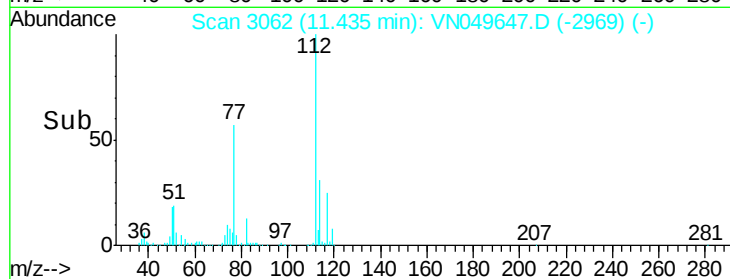
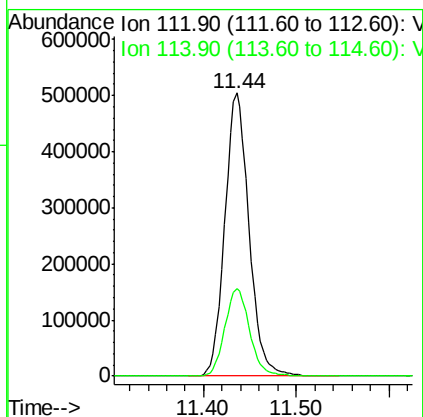
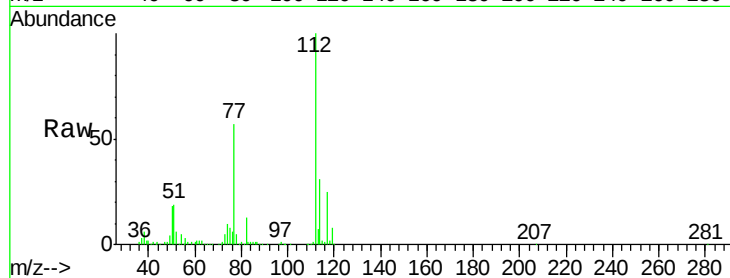




#65
Chlorobenzene
Concen: 19.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

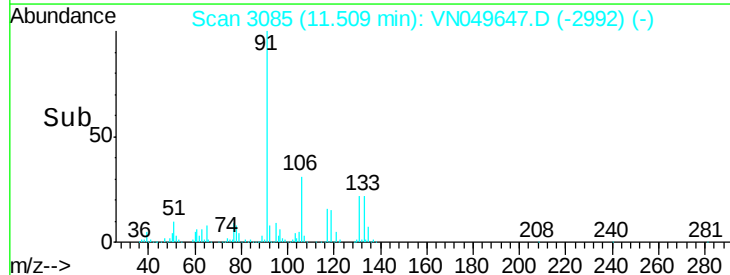
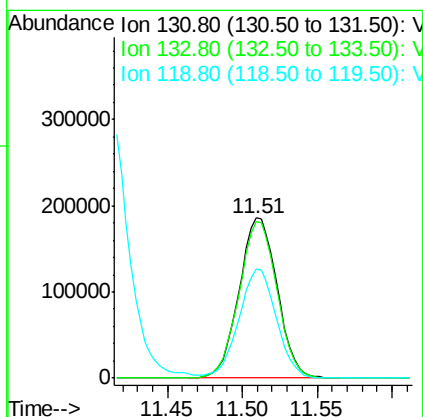
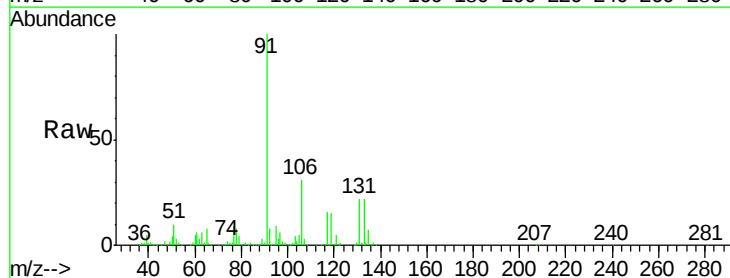
Instrument :
MSVOA_N
ClientSampled :

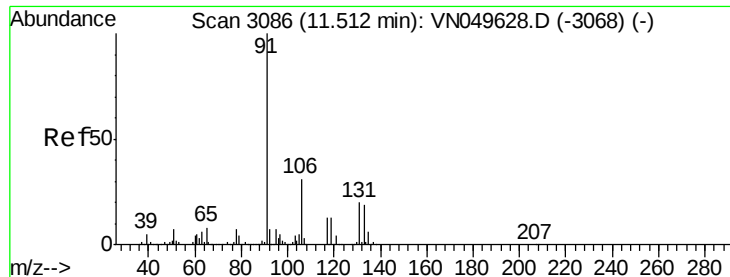
Tot Ion:112 Resp: 911362
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.57 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion:131 Resp: 329147
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 67.4 33.1 99.3





#67

Ethyl Benzene

Concen: 19.76 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

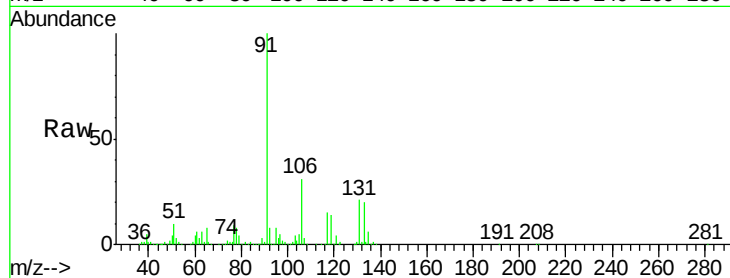
ClientSampleId :

Tot Ion: 91 Resp: 1529216

Ion Ratio Lower Upper

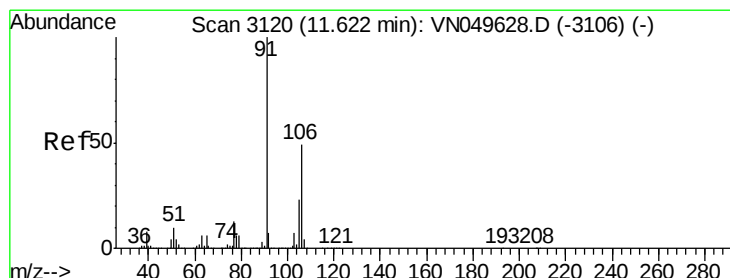
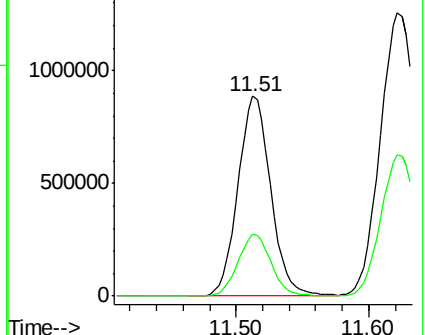
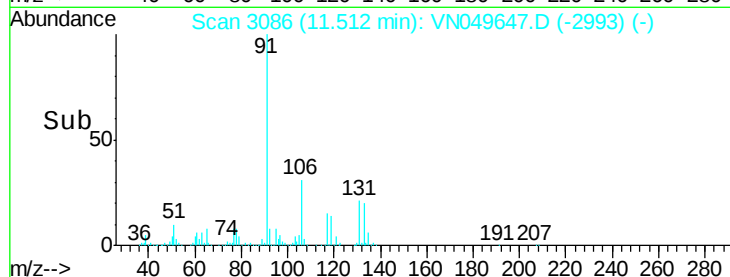
91 100

106 30.9 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3068) (-)

Ion 106.00 (105.70 to 106.70): VN049628.D (-3068) (-)



#68

m/p-Xylenes

Concen: 40.42 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049647.D

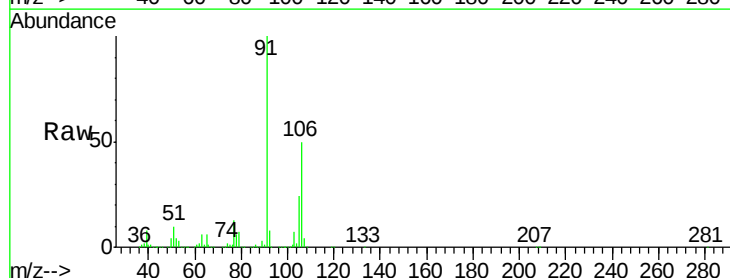
Acq: 30 Jun 2018 14:52

Tgt Ion: 106 Resp: 1198776

Ion Ratio Lower Upper

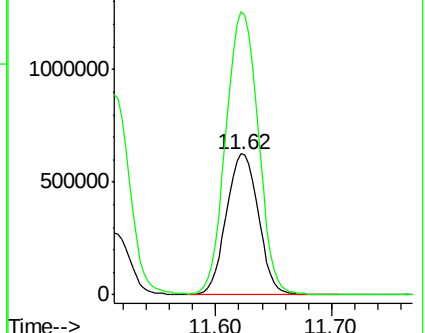
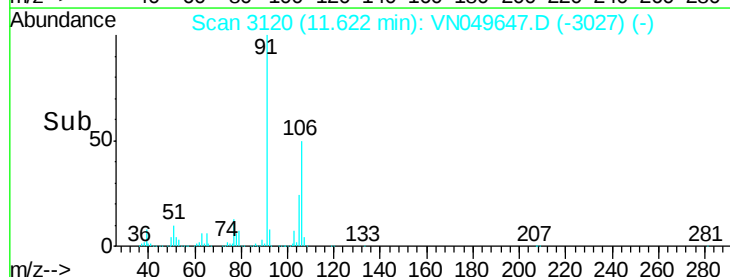
106 100

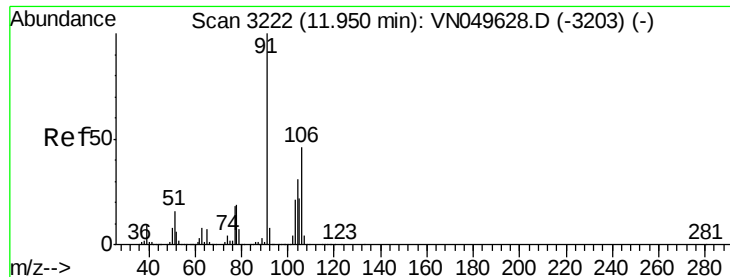
91 203.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049628.D (-3106) (-)

Ion 91.00 (90.70 to 91.70): VN049628.D (-3106) (-)

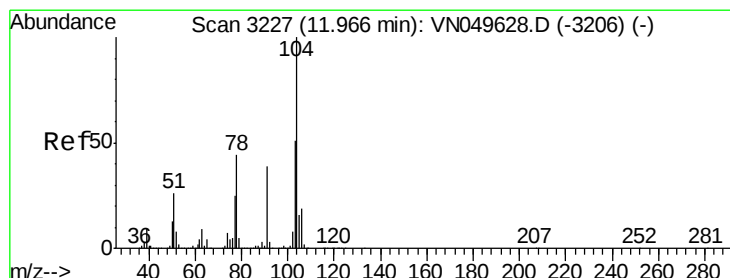
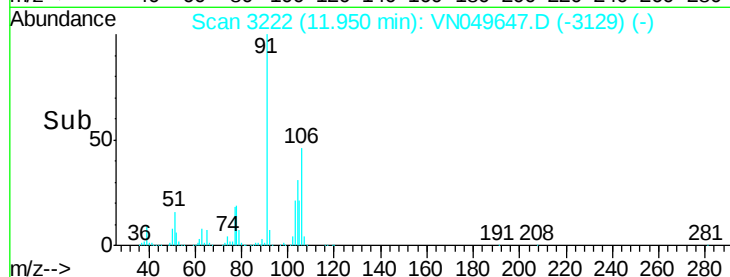
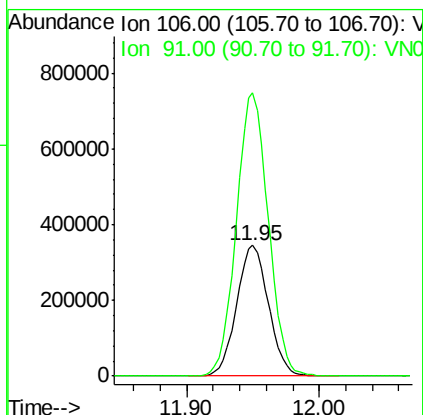
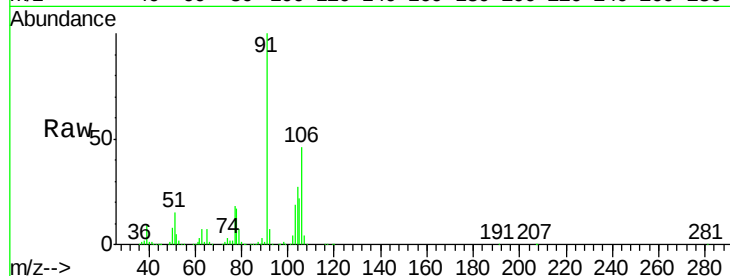




#69
o-Xylene
Concen: 20.34 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

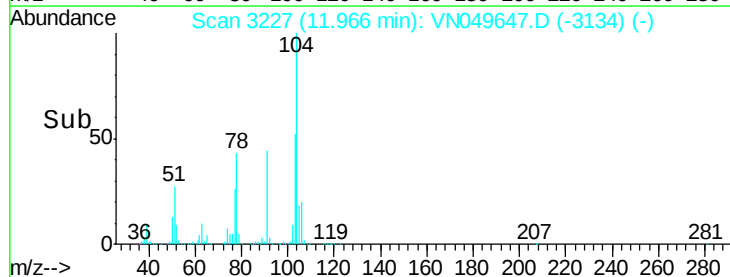
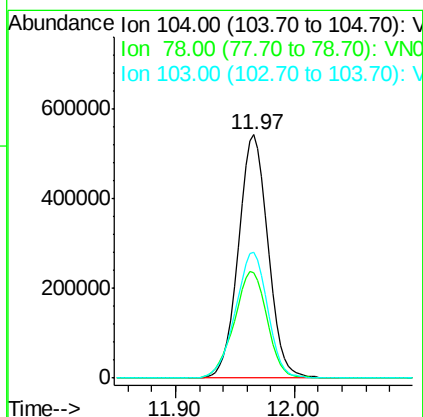
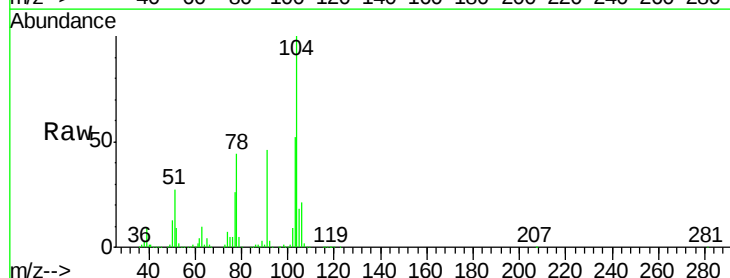
Instrument :
MSVOA_N
ClientSampled :

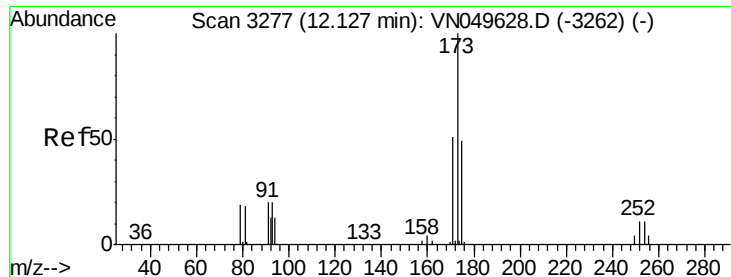
Tot Ion:106 Resp: 577442
Ion Ratio Lower Upper
106 100
91 216.7 108.7 326.1



#70
Styrene
Concen: 20.44 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion:104 Resp: 938815
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 56.3 44.6 67.0





#71

Bromoform

Concen: 20.53 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

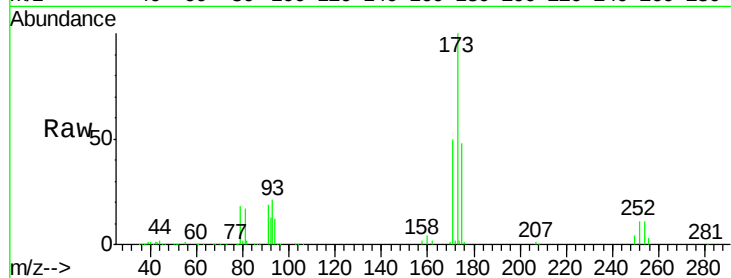
Tot Ion:173 Resp: 229413

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

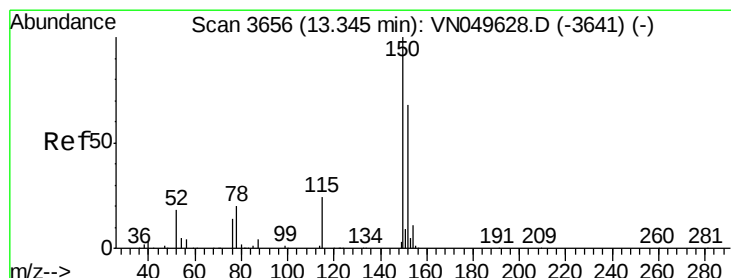
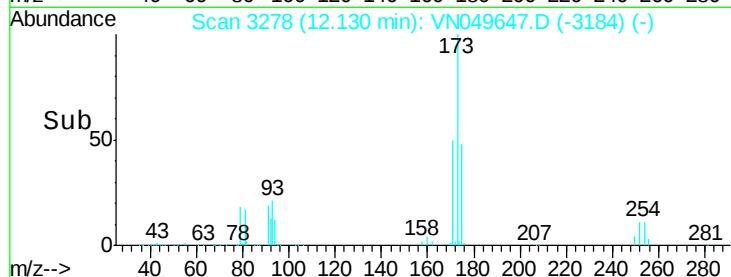
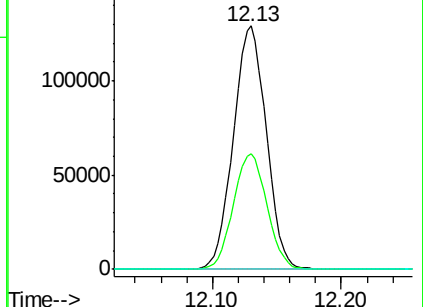
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

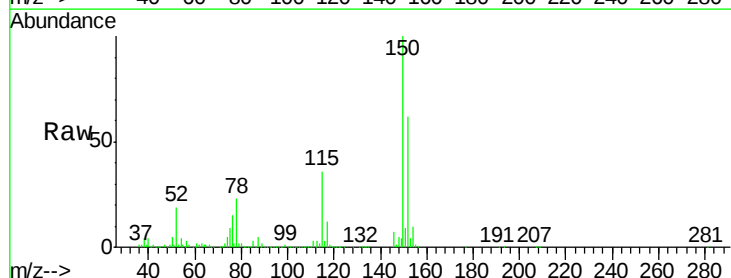
Tgt Ion:152 Resp: 941404

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

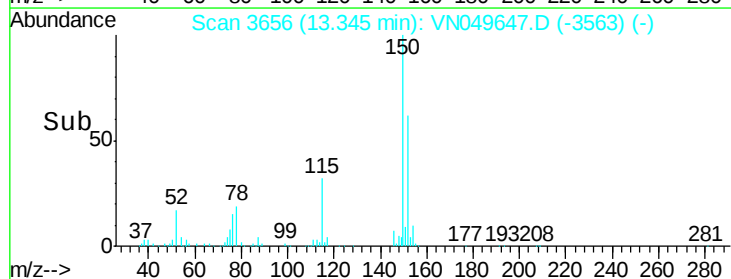
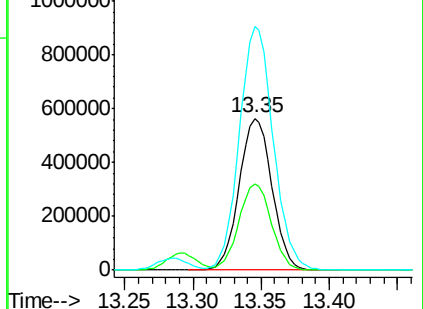
150 166.0 0.0 347.6

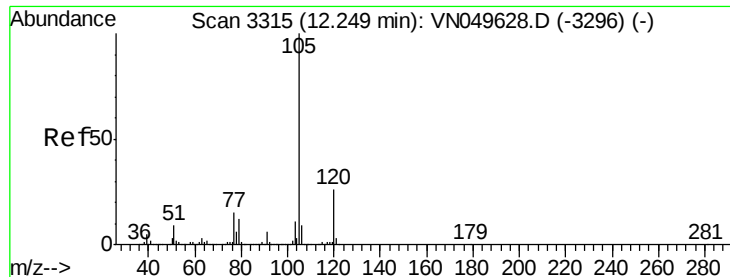


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.23 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

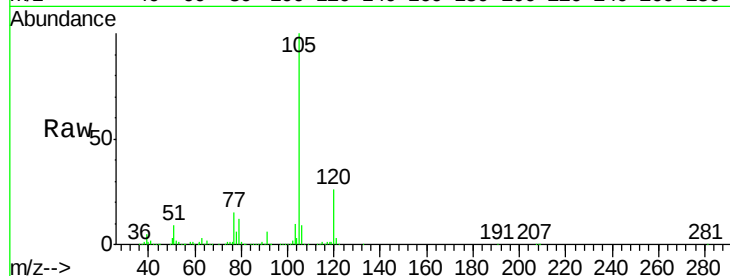
ClientSampled :

Tot Ion: 105 Resp: 1517016

Ion Ratio Lower Upper

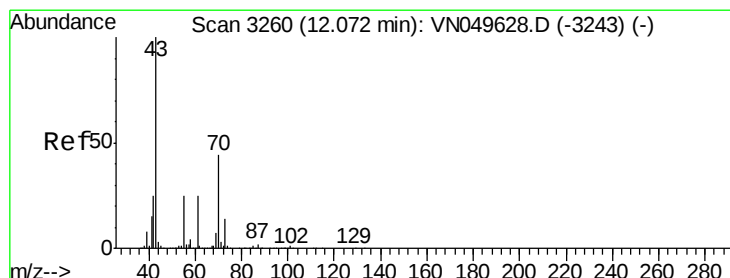
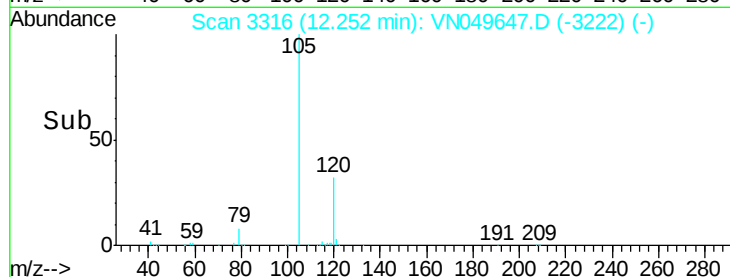
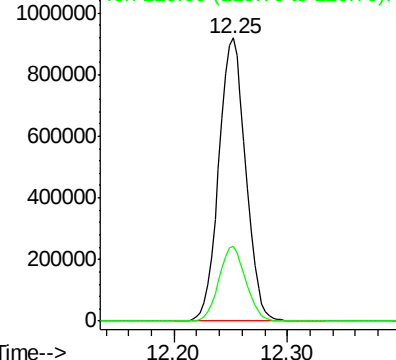
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.78 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Tgt Ion: 43 Resp: 405230

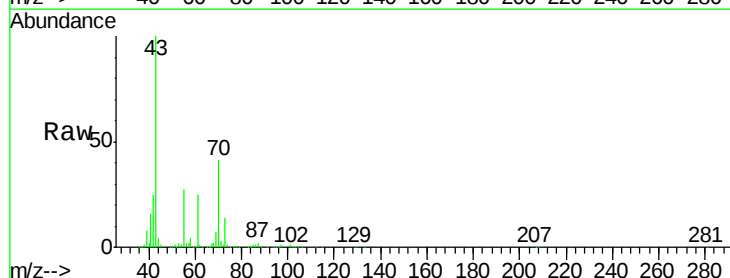
Ion Ratio Lower Upper

43 100

70 42.8 34.8 52.2

55 26.8 20.9 31.3

61 24.6 19.9 29.9

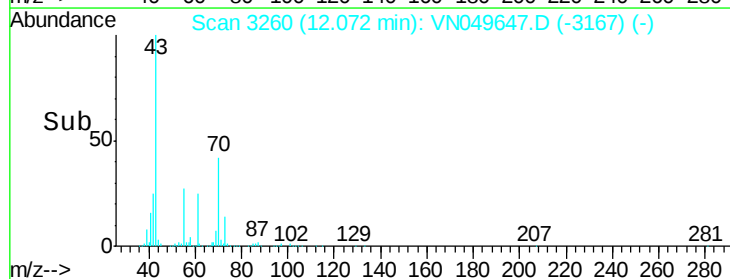
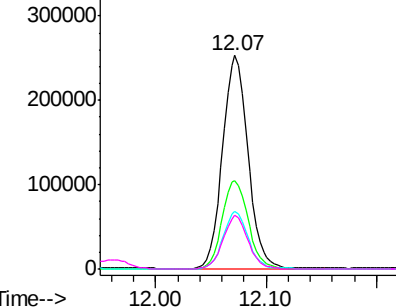


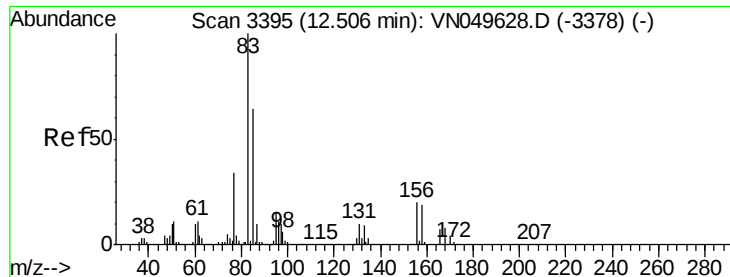
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.81 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

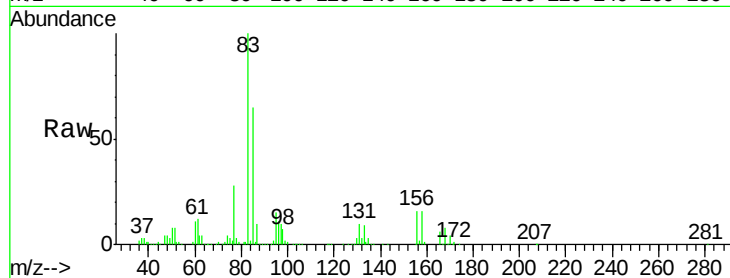
Tot Ion: 83 Resp: 351868

Ion Ratio Lower Upper

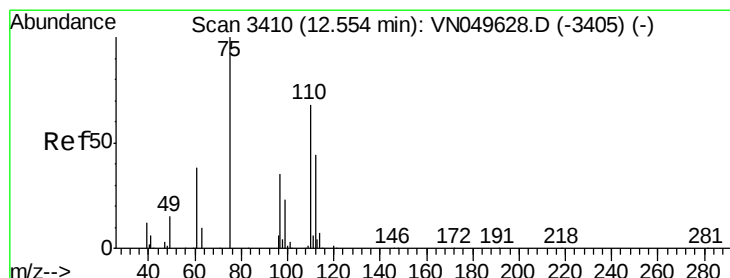
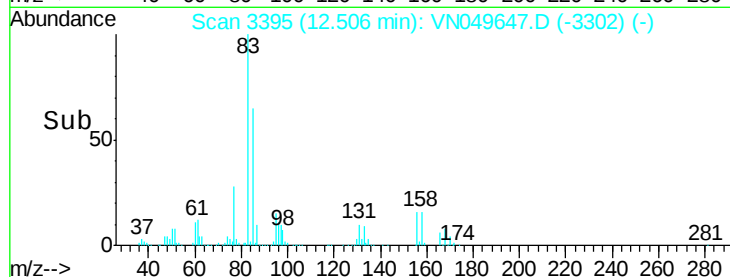
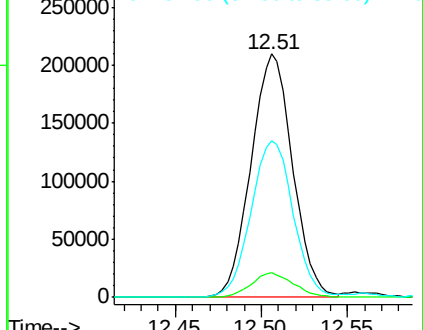
83 100

131 10.4 5.2 15.6

85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.90 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049647.D

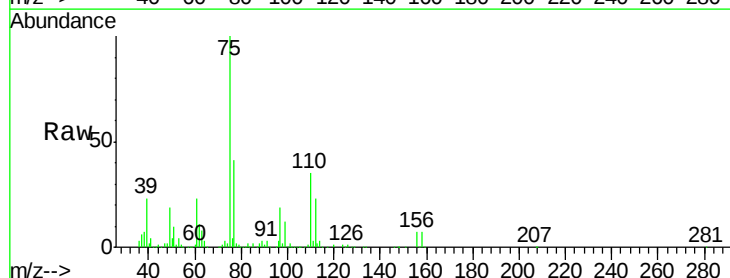
Acq: 30 Jun 2018 14:52

Tgt Ion: 75 Resp: 451441

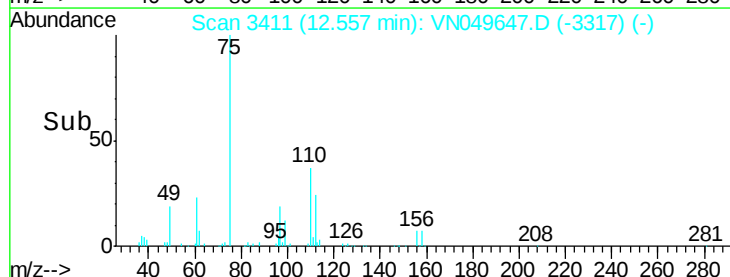
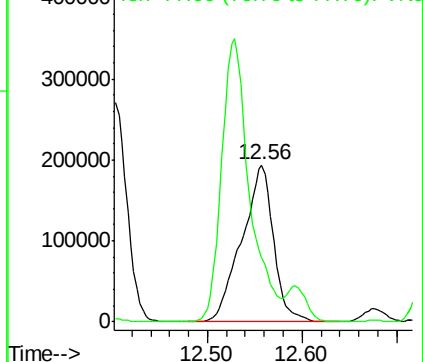
Ion Ratio Lower Upper

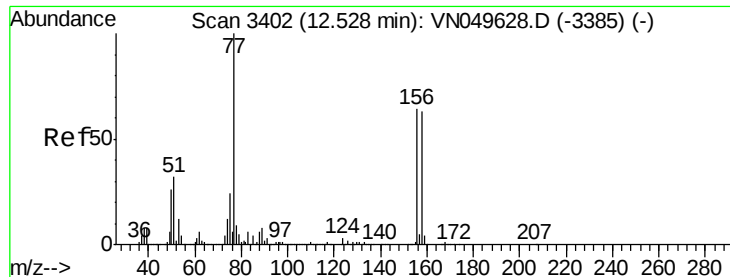
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.39 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

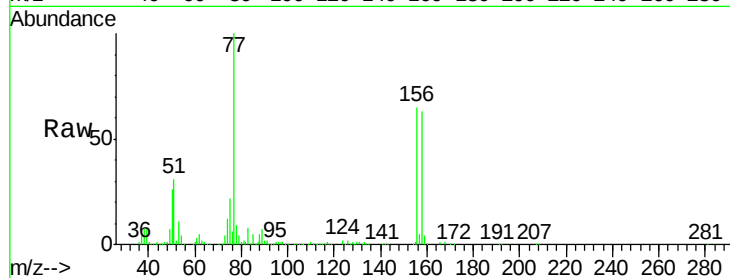
Tot Ion:156 Resp: 395449

Ion Ratio Lower Upper

156 100

77 182.5 90.2 270.6

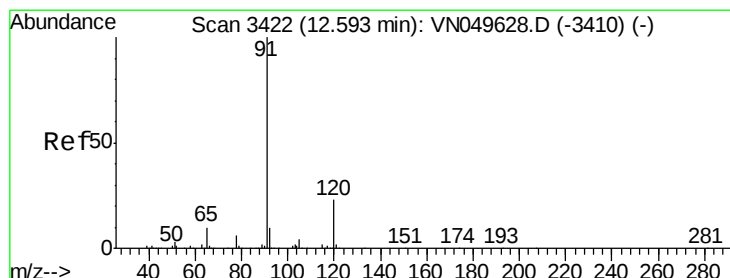
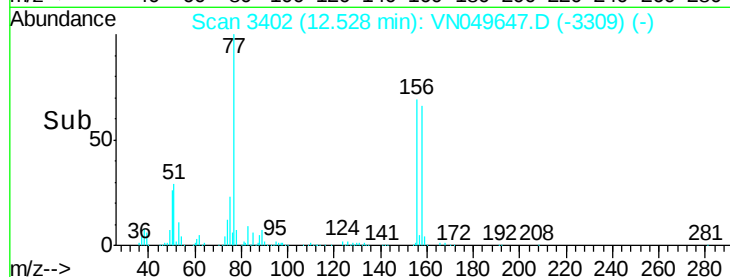
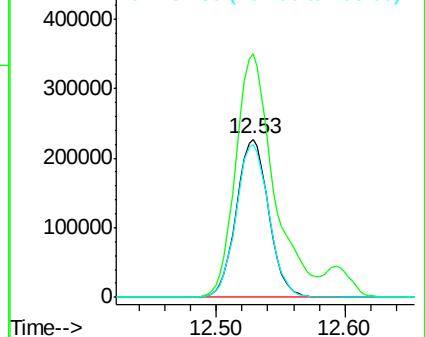
158 98.2 49.1 147.3



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: 20.59 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049647.D

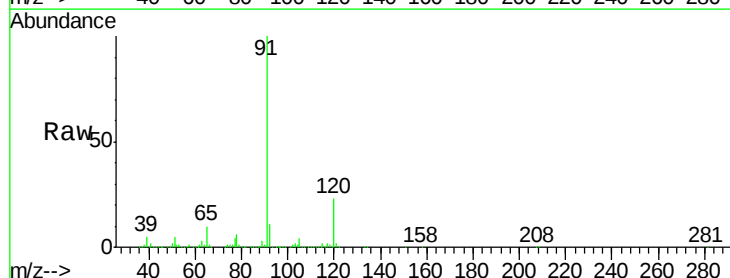
Acq: 30 Jun 2018 14:52

Tgt Ion: 91 Resp: 1769847

Ion Ratio Lower Upper

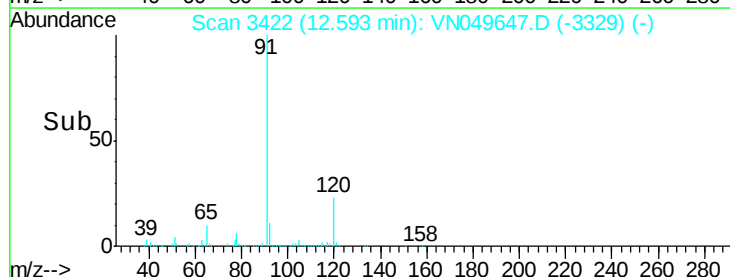
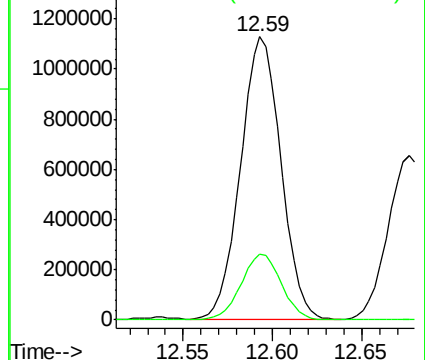
91 100

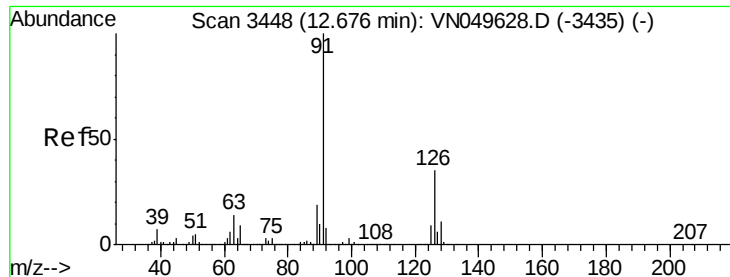
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.90 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

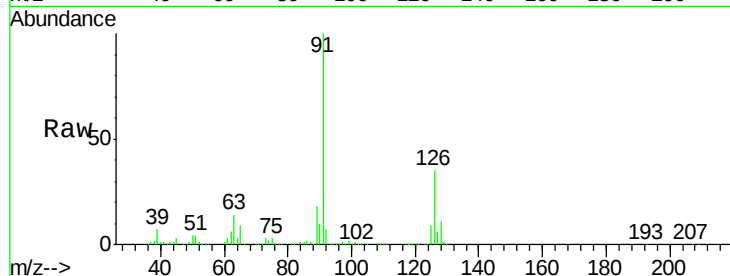
ClientSampleId :

Tot Ion: 91 Resp: 1082124

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

1000000

800000

600000

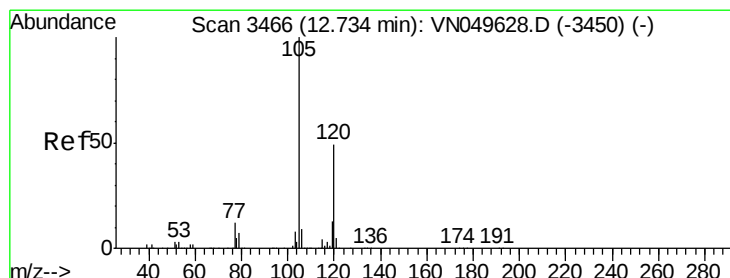
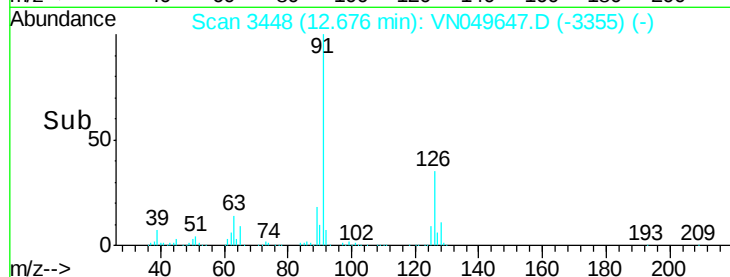
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049647.D

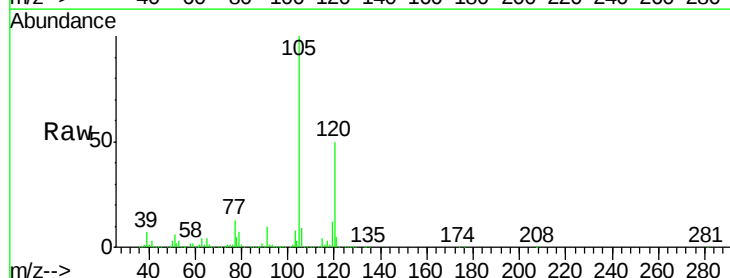
Acq: 30 Jun 2018 14:52

Tgt Ion:105 Resp: 1297455

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

800000

600000

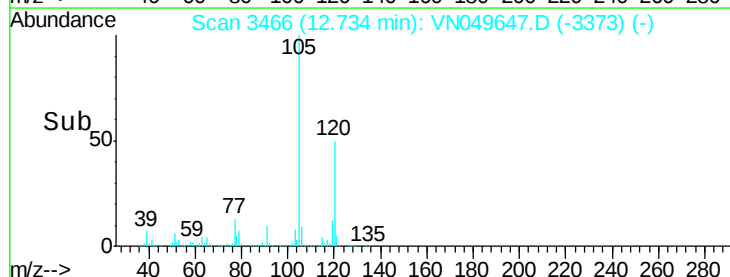
400000

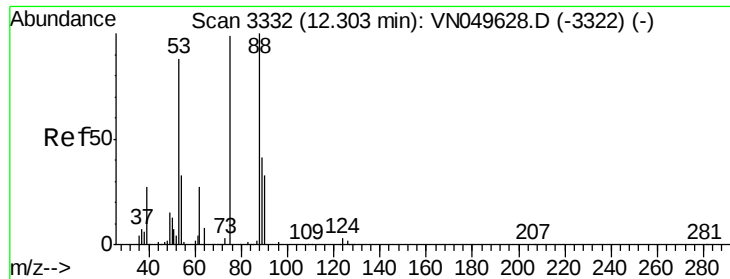
200000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

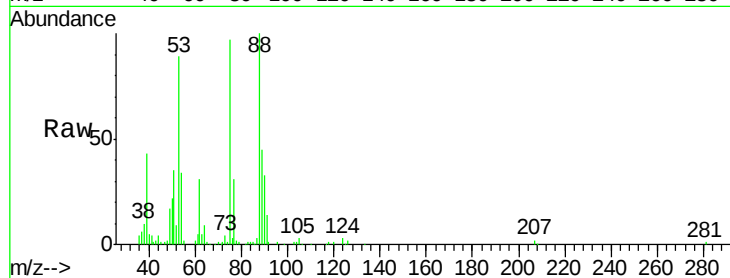
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 87889

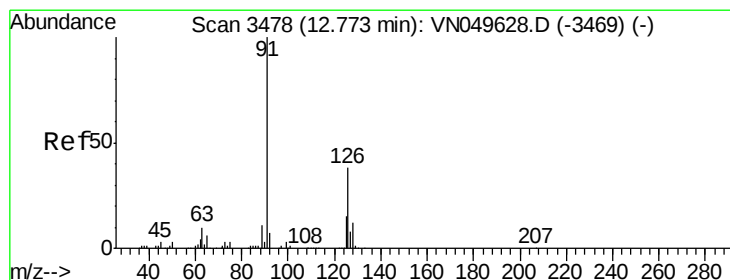
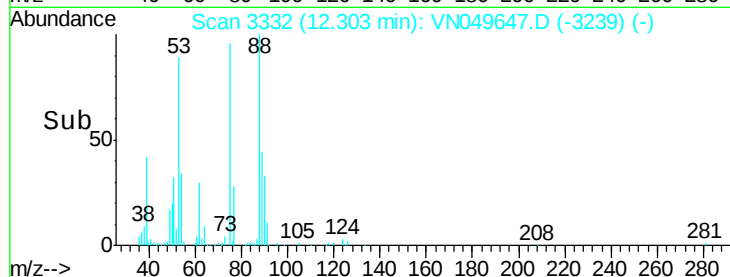
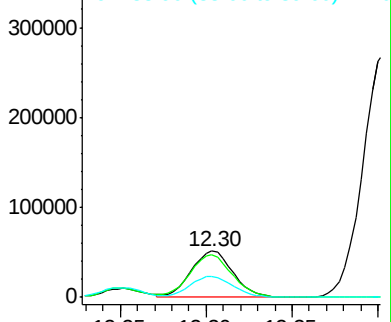
Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.9	110.9
89	46.8	35.9	53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.02 ug/l

RT: 12.78 min Scan# 3479

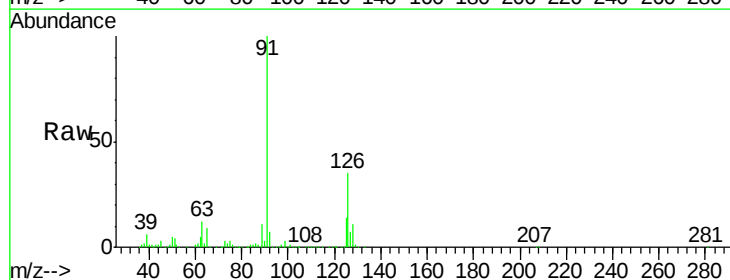
Delta R.T. 0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

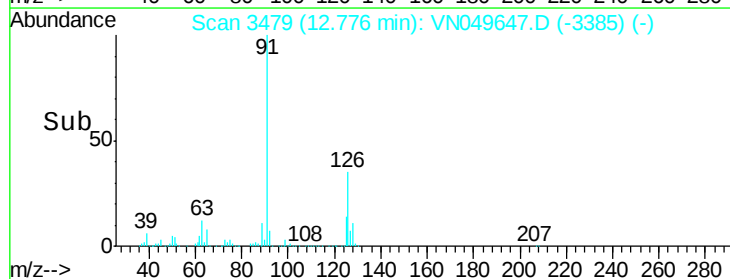
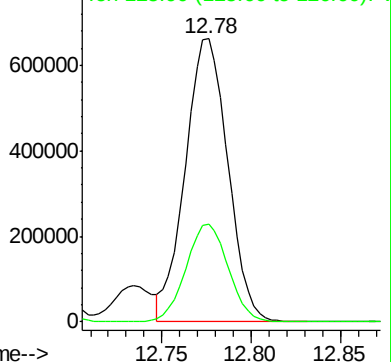
Tgt Ion: 91 Resp: 1095140

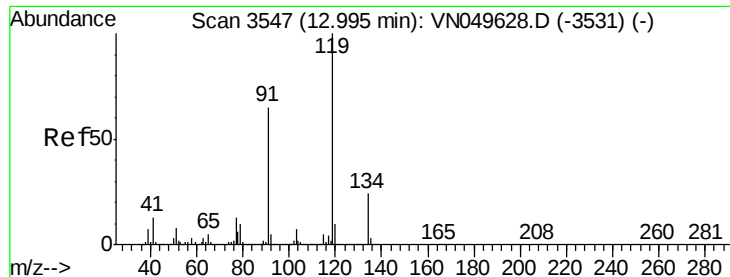
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

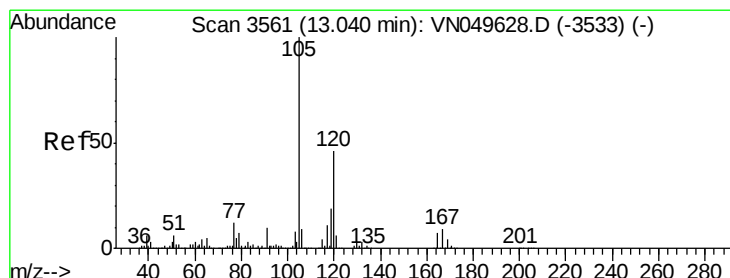
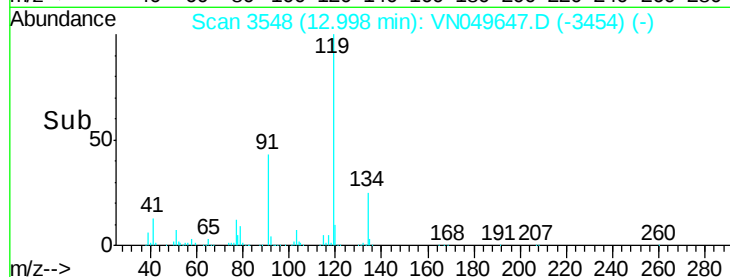
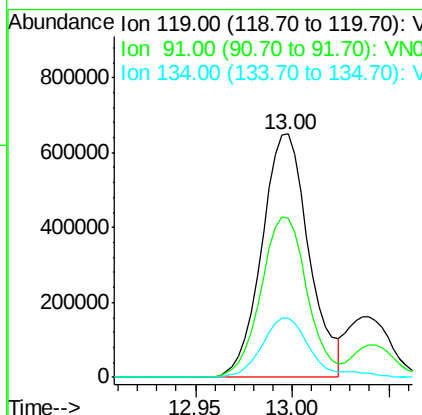
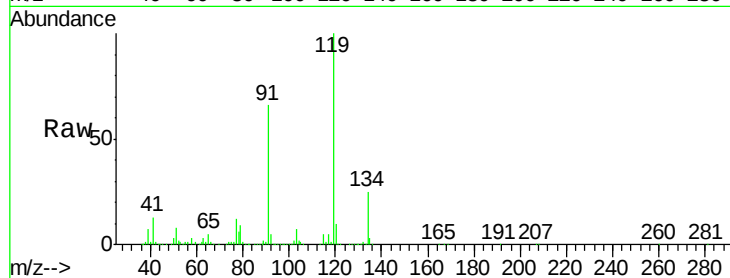




#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

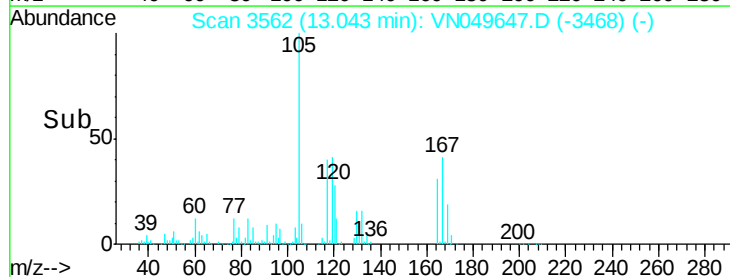
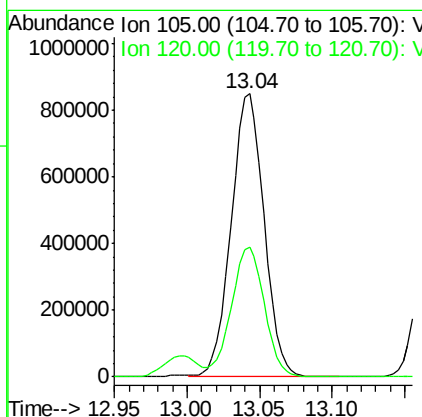
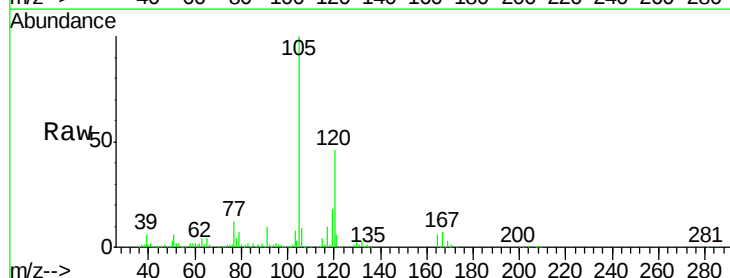
Instrument :
 MSVOA_N
 ClientSampleId :

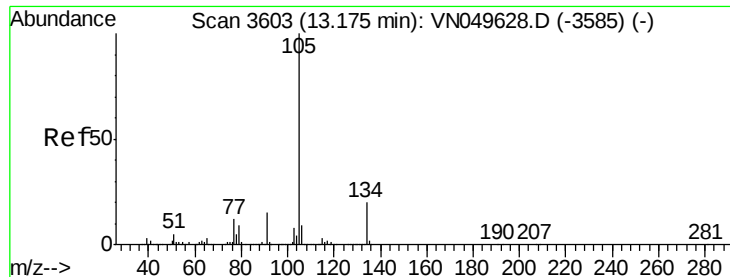
Tot Ion:119 Resp: 1101849
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.0 96.2
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.83 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion:105 Resp: 1333807
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

Instrument :

MSVOA_N

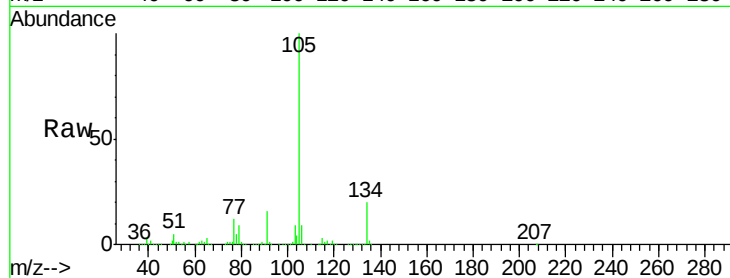
ClientSampleId :

Tot Ion:105 Resp: 1482608

Ion Ratio Lower Upper

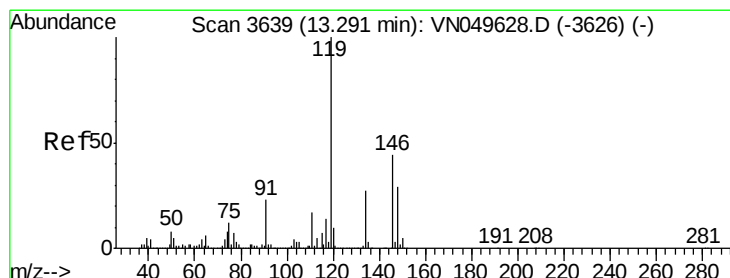
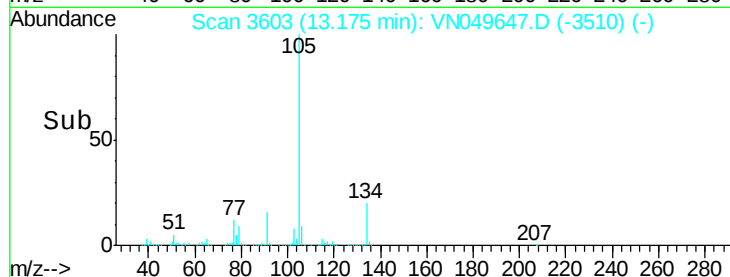
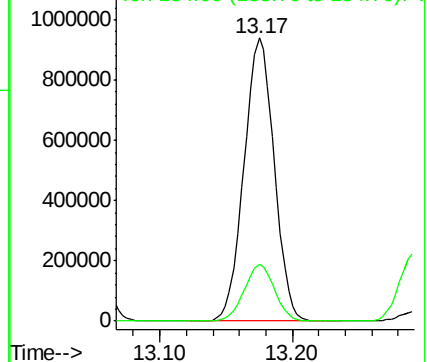
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.22 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049647.D

Acq: 30 Jun 2018 14:52

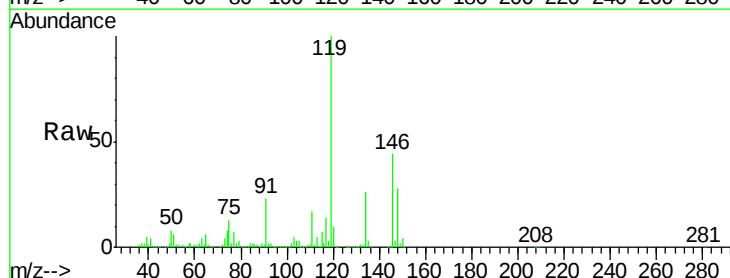
Tgt Ion:119 Resp: 1303666

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

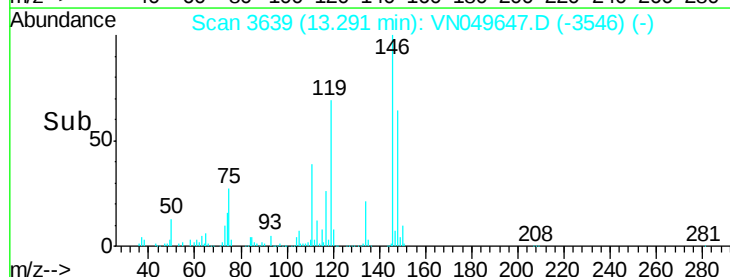
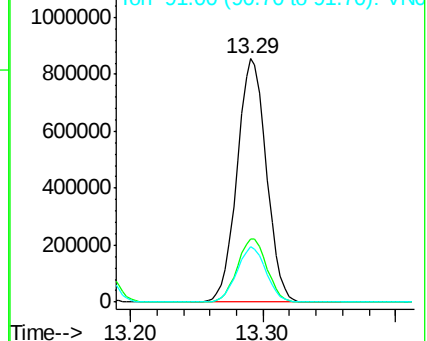
91 22.7 11.4 34.1

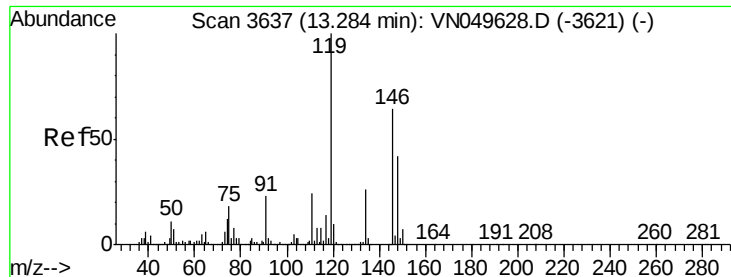


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

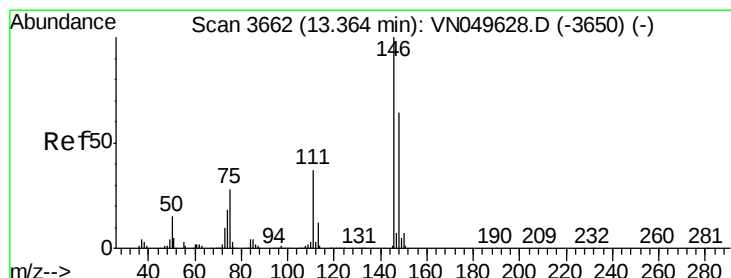
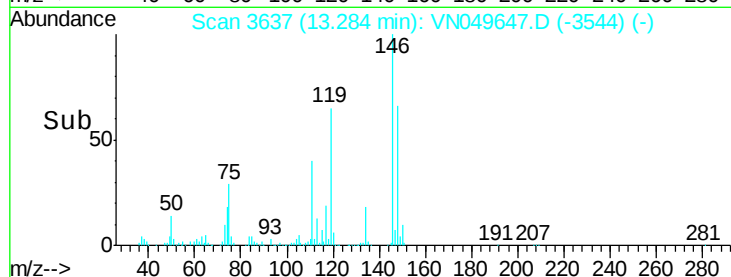
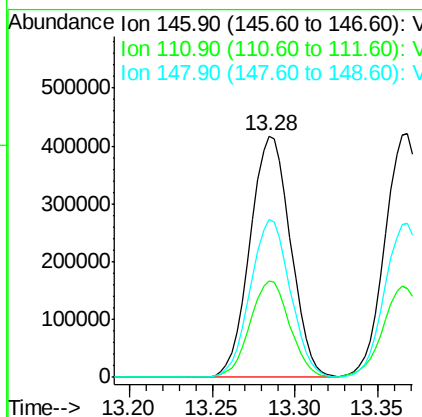
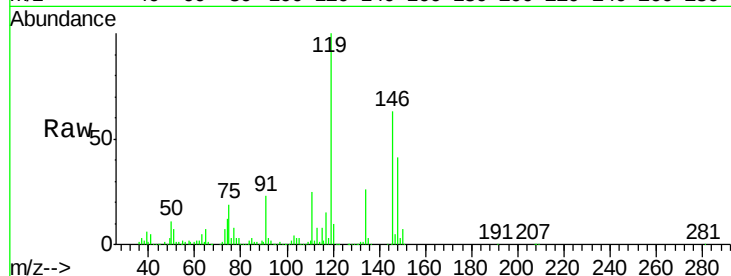




#87
 1,3-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

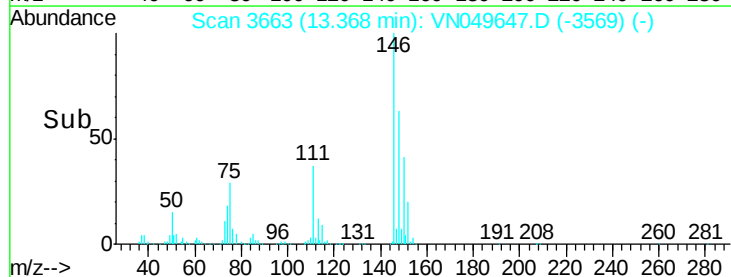
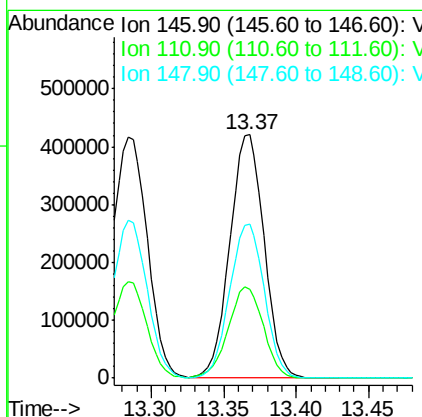
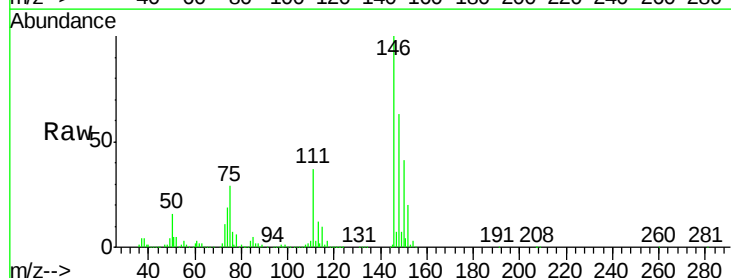
Instrument :
 MSVOA_N
 ClientSampleId :

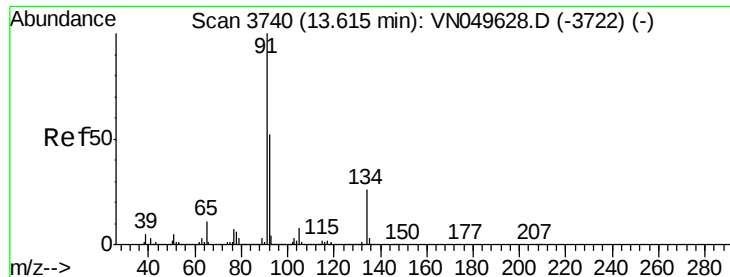
Tot Ion:146 Resp: 708199
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.0 57.0
 148 64.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion:146 Resp: 691746
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.5
 148 64.1 32.1 96.3

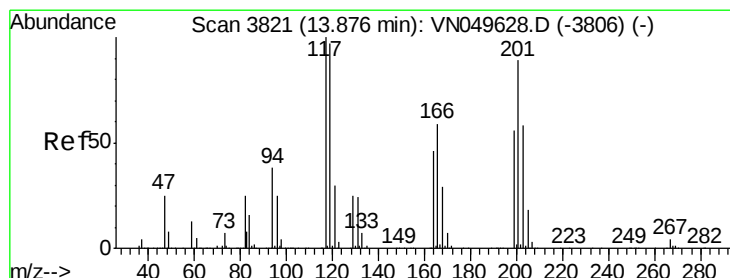
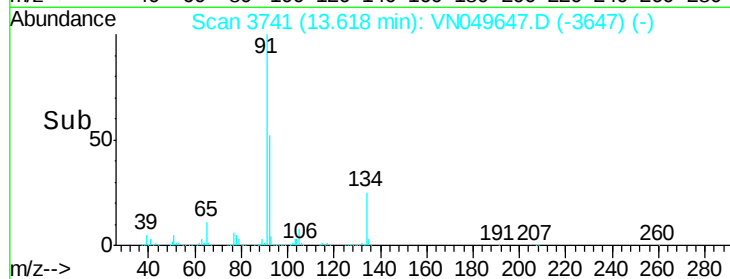
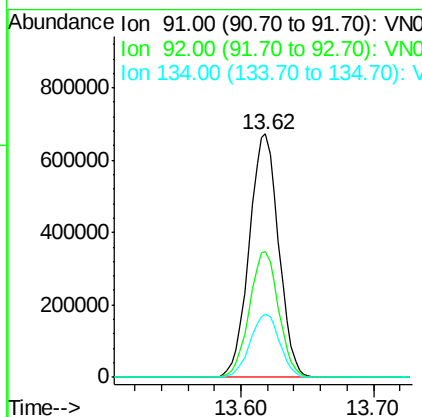
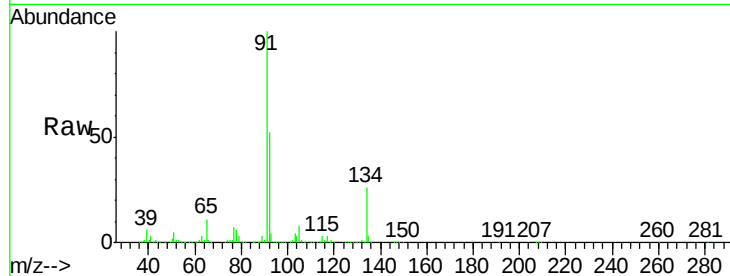




#89
n-Butylbenzene
Concen: 19.63 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

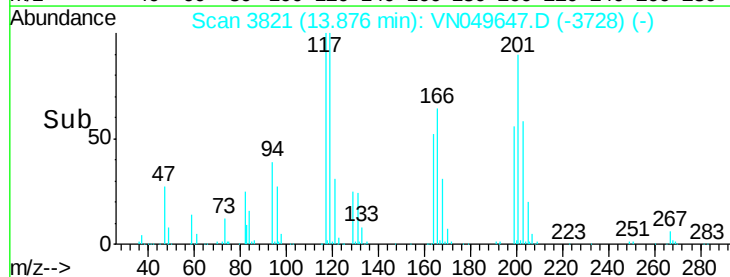
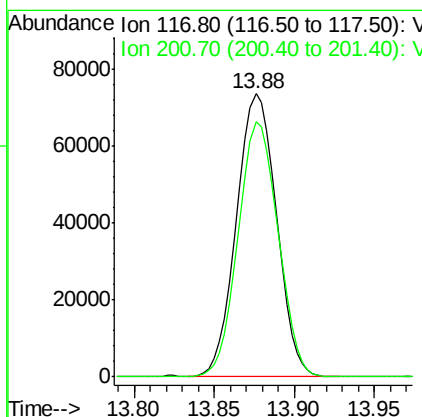
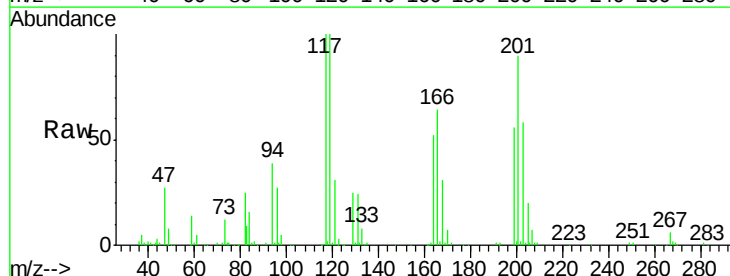
Instrument :
MSVOA_N
ClientSampled :

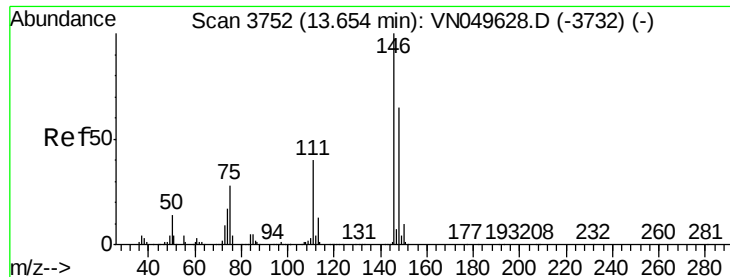
Tot Ion: 91 Resp: 1032502
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 26.2 13.0 38.9



#90
Hexachloroethane
Concen: 19.48 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion: 117 Resp: 125713
Ion Ratio Lower Upper
117 100
201 89.8 45.3 135.8

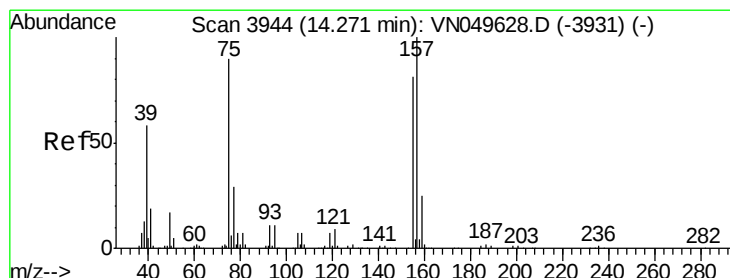
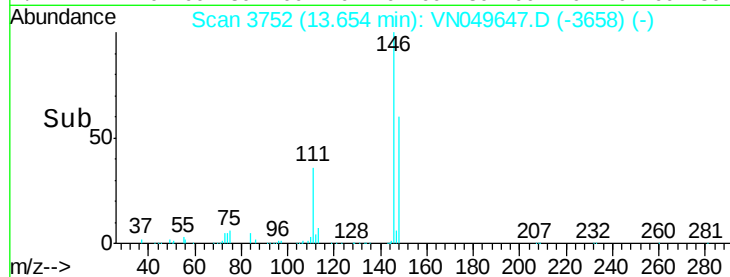
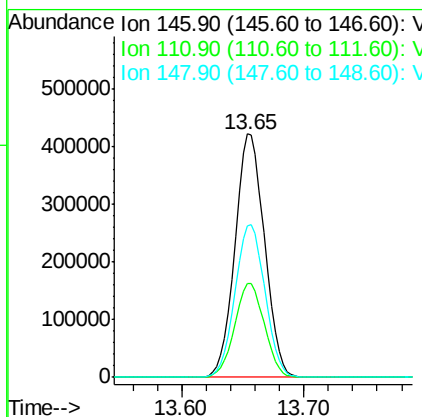
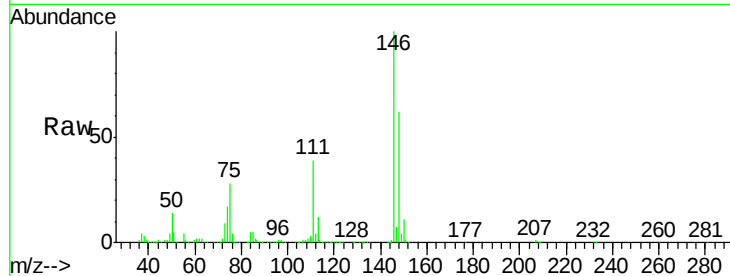




#91
 1,2-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

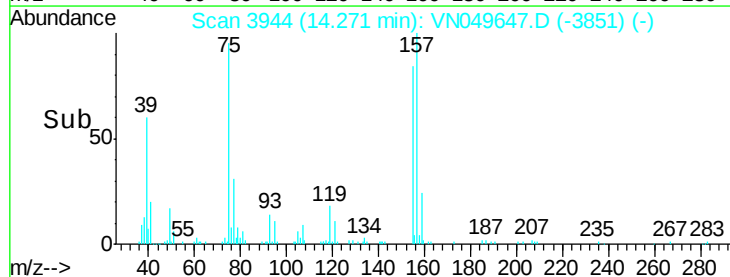
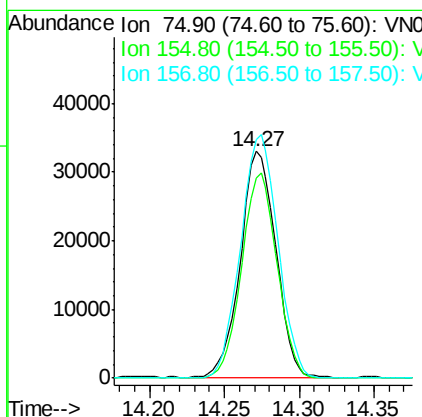
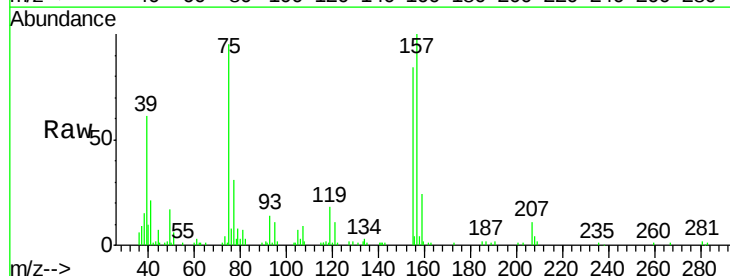
Instrument :
 MSVOA_N
 ClientSampleId :

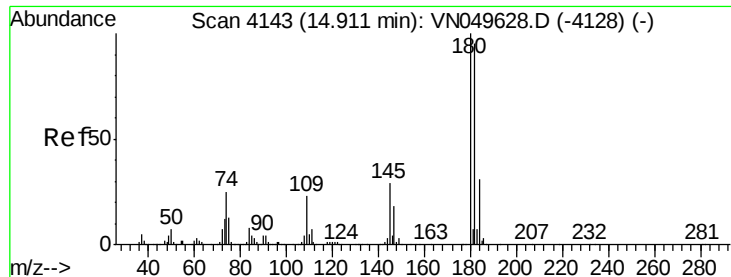
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.38 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	45.7	137.1
157	112.2	56.9	170.7

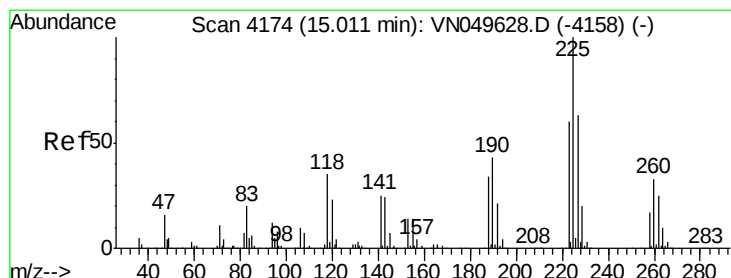
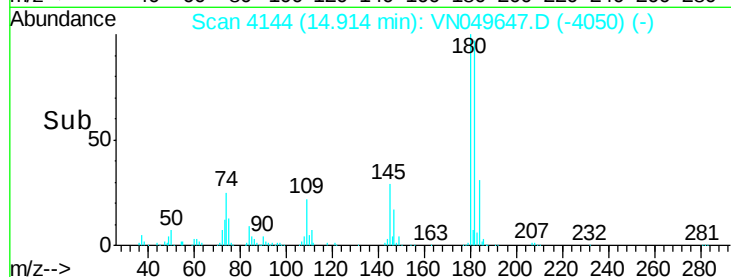
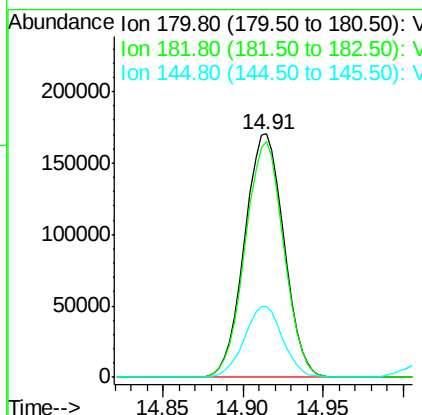
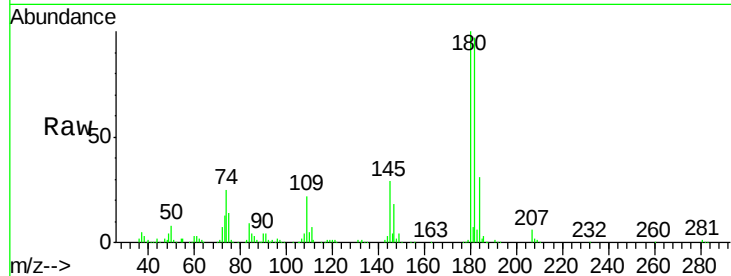




#93
 1,2,4-Trichlorobenzene
 Concen: 18.09 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

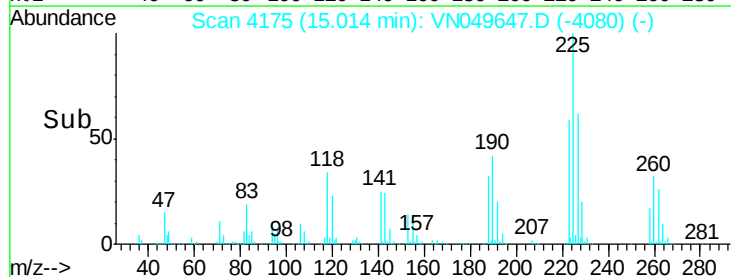
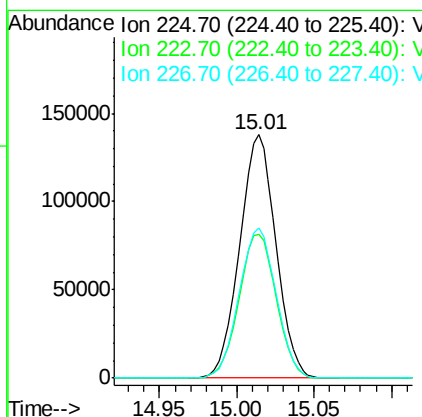
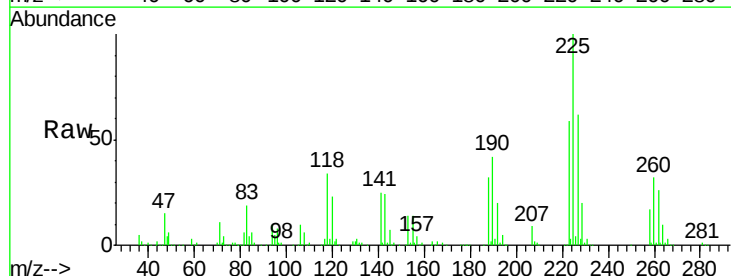
Instrument :
 MSVOA_N
 ClientSampled :

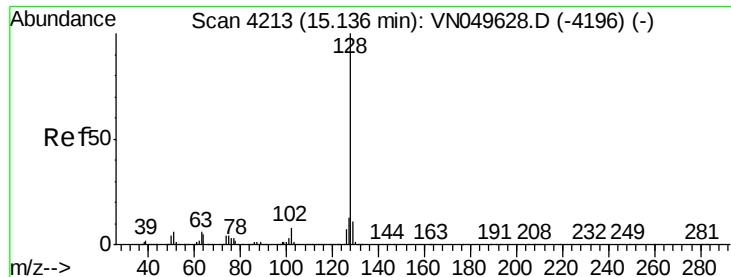
Tot Ion:180 Resp: 285830
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 141.9
 145 28.5 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.19 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049647.D
 Acq: 30 Jun 2018 14:52

Tgt Ion:225 Resp: 224749
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.9 92.7
 227 62.7 31.8 95.4

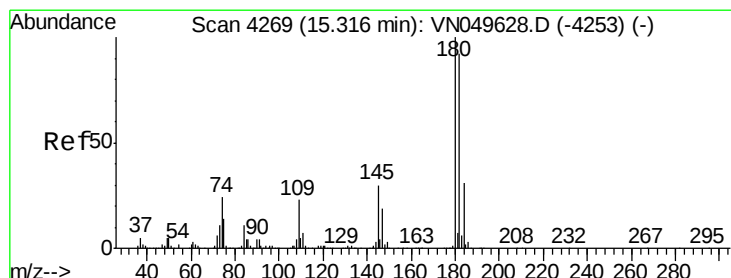
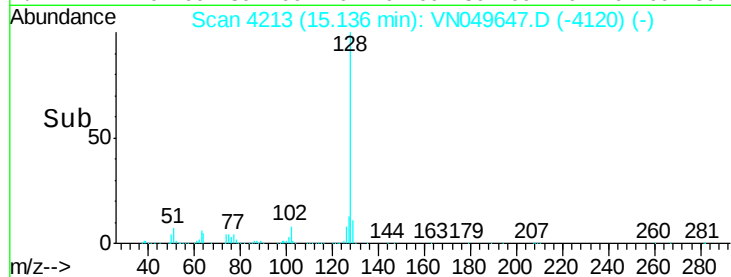
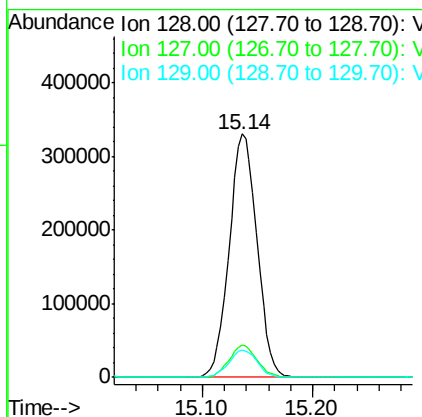
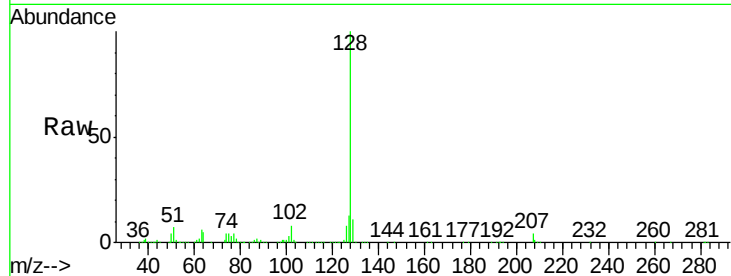




#95
Naphthalene
Concen: 17.94 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 578005
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.10 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049647.D
Acq: 30 Jun 2018 14:52

Tgt Ion:180 Resp: 297277
Ion Ratio Lower Upper
180 100
182 96.4 47.4 142.2
145 29.1 15.2 45.6

