

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049610.D
 Acq On : 29 Jun 2018 00:52
 Operator : MD\SY
 Sample : VN0628WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1317263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2046810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	944017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	887282	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.59	113	790199	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	10.09	98	2995349	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	998234	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	309234	20.40	ug/l	99
3) Chloromethane	2.06	50	360045	18.39	ug/l	97
4) Vinyl Chloride	2.18	62	400685	19.26	ug/l	99
5) Bromomethane	2.56	94	188679	17.25	ug/l	97
6) Chloroethane	2.70	64	244235	19.69	ug/l	100
7) Trichlorofluoromethane	3.02	101	421227	16.23	ug/l	97
8) Diethyl Ether	3.41	74	173711	19.17	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	315851	19.18	ug/l	93
10) Methyl Iodide	3.95	142	394521	23.02	ug/l	92
11) Tert butyl alcohol	4.80	59	86285	84.14	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	291474	19.30	ug/l	90
13) Acrolein	3.61	56	95549	88.85	ug/l	100
14) Allyl chloride	4.32	41	400494	16.79	ug/l	90
15) Acrylonitrile	4.99	53	470225	91.71	ug/l	99
16) Acetone	3.82	43	360151	84.90	ug/l	96
17) Carbon Disulfide	4.05	76	835359	17.65	ug/l	100
18) Methyl Acetate	4.33	43	399683	30.90	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	746687	19.39	ug/l	99
20) Methylene Chloride	4.55	84	337535	19.05	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	298649	18.68	ug/l	95
22) Diisopropyl ether	5.95	45	947850	19.90	ug/l	94
23) Vinyl Acetate	5.90	43	2954788	95.17	ug/l	96
24) 1,1-Dichloroethane	5.85	63	587169	19.26	ug/l	99
25) 2-Butanone	6.84	43	498596	87.53	ug/l	96
26) 2,2-Dichloropropane	6.82	77	377461	15.33	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	341874	19.23	ug/l	90
28) Bromochloromethane	7.20	49	261918	19.38	ug/l #	83
29) Tetrahydrofuran	7.22	42	342617	93.44	ug/l	93
30) Chloroform	7.37	83	599200	19.75	ug/l	99
31) Cyclohexane	7.65	56	507682	19.54	ug/l #	91
32) 1,1,1-Trichloroethane	7.57	97	507862	19.62	ug/l	98
36) 1,1-Dichloropropene	7.79	75	437237	18.64	ug/l	97
37) Ethyl Acetate	6.93	43	242317	19.00	ug/l	96
38) Carbon Tetrachloride	7.77	117	414287	17.06	ug/l	97

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 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	453631	18.01	ug/l	95
40) Benzene	8.04	78	1333933	18.55	ug/l	98
41) Methacrylonitrile	7.18	41	107794	15.63	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	412620	18.57	ug/l	97
43) Isopropyl Acetate	8.17	43	563214	23.11	ug/l	95
44) Trichloroethene	8.84	130	396479	20.88	ug/l	94
45) 1,2-Dichloropropane	9.12	63	349864	18.58	ug/l	100
46) Dibromomethane	9.21	93	202453	18.54	ug/l	89
47) Bromodichloromethane	9.40	83	436466	18.19	ug/l	95
48) Methyl methacrylate	9.20	41	216055	18.83	ug/l	88
49) 1,4-Dioxane	9.20	88	56556	357.12	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1174013	91.93	ug/l	95
52) Toluene	10.16	92	812548	19.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	387011	16.86	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	468248	17.28	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	288025	18.30	ug/l	98
56) Ethyl methacrylate	10.43	69	338187	18.63	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	483732	18.56	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	777508	127.26	ug/l	94
59) 2-Hexanone	10.75	43	742105	90.14	ug/l	93
60) Dibromochloromethane	10.90	129	312592	17.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	278646	19.05	ug/l	99
64) Tetrachloroethene	10.63	164	468432	25.16	ug/l	97
65) Chlorobenzene	11.44	112	866770	18.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	316701	17.98	ug/l	99
67) Ethyl Benzene	11.51	91	1460588	18.81	ug/l	97
68) m/p-Xylenes	11.62	106	1153188	39.57	ug/l	96
69) o-Xylene	11.95	106	541411	19.29	ug/l	98
70) Styrene	11.96	104	886399	20.02	ug/l	98
71) Bromoform	12.13	173	197355	17.31	ug/l #	99
73) Isopropylbenzene	12.25	105	1432144	17.28	ug/l	98
74) N-amyl acetate	12.07	43	365504	18.00	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	308781	16.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	397872	24.70	ug/l #	100
77) Bromobenzene	12.53	156	373490	17.06	ug/l	88
78) n-propylbenzene	12.59	91	1661823	18.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	1013985	17.58	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1228266	18.85	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	69171	13.57	ug/l	96
82) 4-Chlorotoluene	12.77	91	1015500	18.25	ug/l	96
83) tert-Butylbenzene	12.99	119	1011901	17.53	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1247607	19.28	ug/l	99
85) sec-Butylbenzene	13.17	105	1359783	17.70	ug/l	98
86) p-Isopropyltoluene	13.29	119	1171664	18.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	664906	18.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	647893	18.15	ug/l	100
89) n-Butylbenzene	13.62	91	912045	18.19	ug/l	98
90) Hexachloroethane	13.88	117	107032	7.36	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	654765	18.54	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49693	17.22	ug/l	87

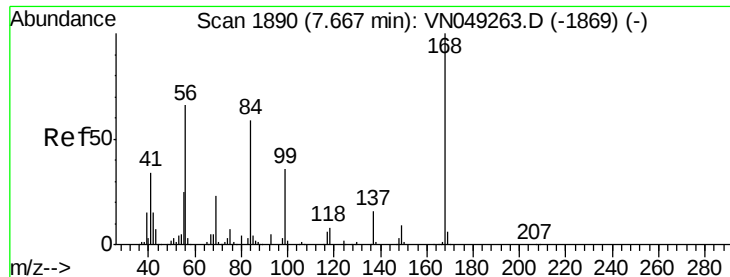
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
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Instrument :
MSVOA_N
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Quant Time: Jun 29 04:19:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267586	19.70	ug/l	100
94) Hexachlorobutadiene	15.01	225	198469	17.44	ug/l	99
95) Naphthalene	15.14	128	525987	21.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	268462	19.25	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

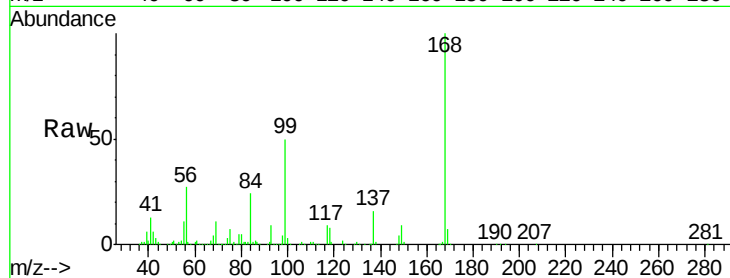
ClientSampleId :

Tot Ion:168 Resp: 1317263

Ion Ratio Lower Upper

168 100

99 49.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

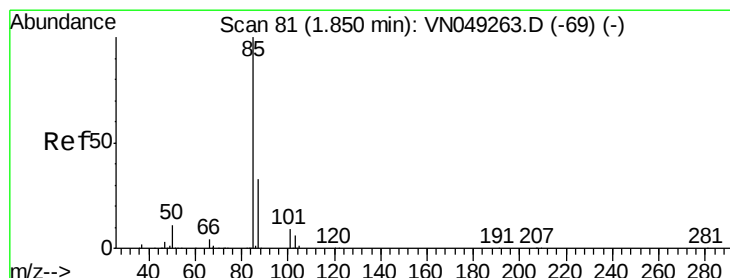
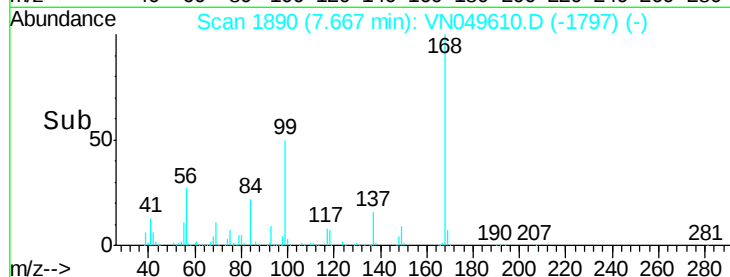
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.40 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049610.D

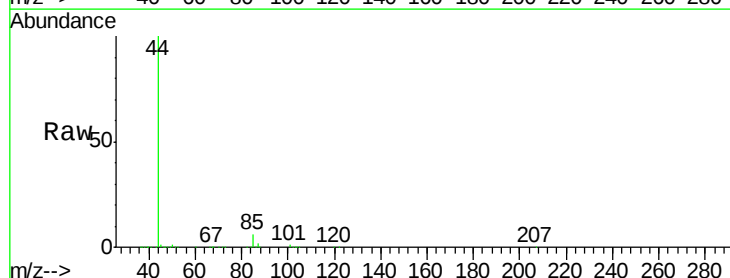
Acq: 29 Jun 2018 00:52

Tgt Ion: 85 Resp: 309234

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

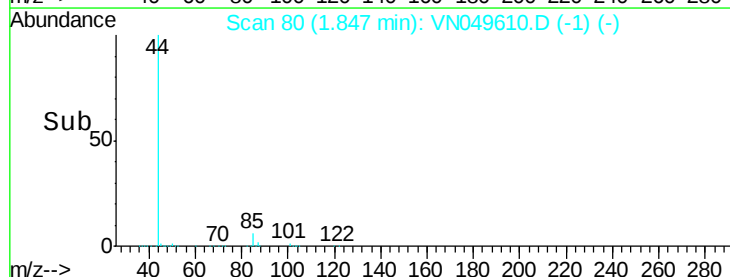
150000

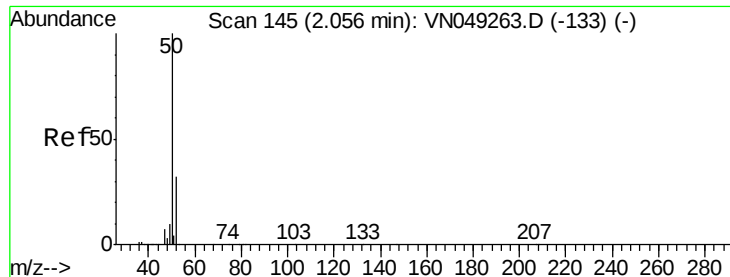
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50000

0

Time-->

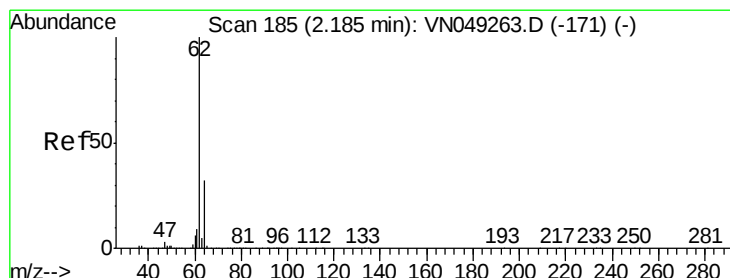
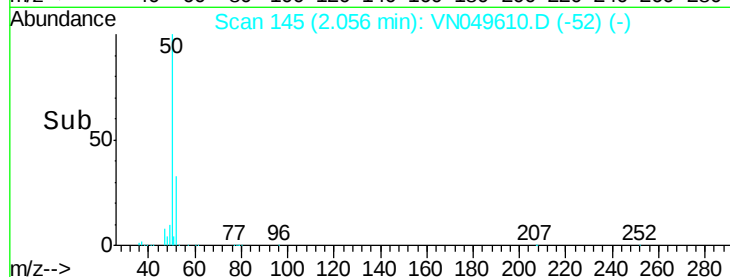
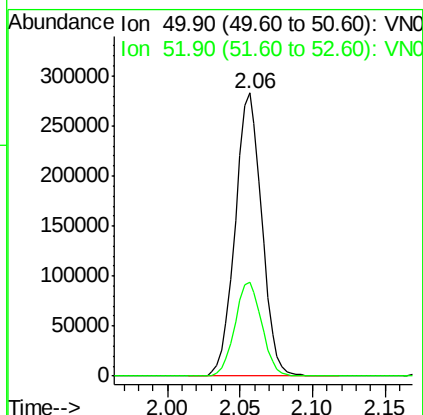
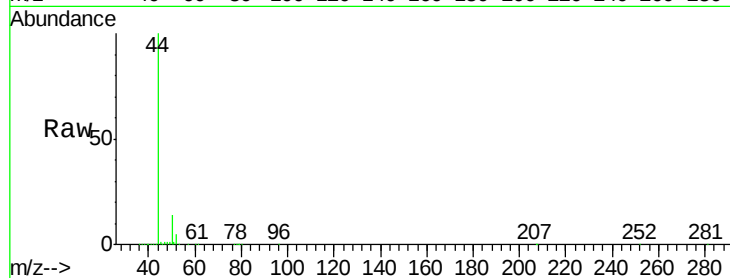




#3
Chloromethane
Concen: 18.39 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

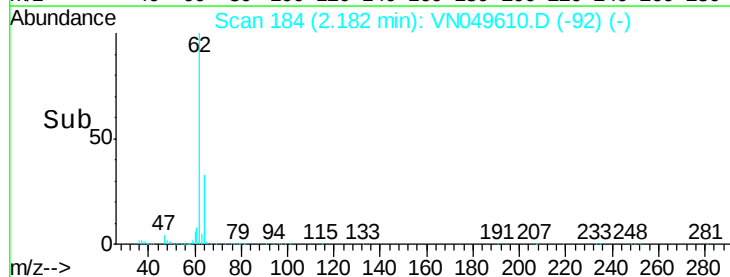
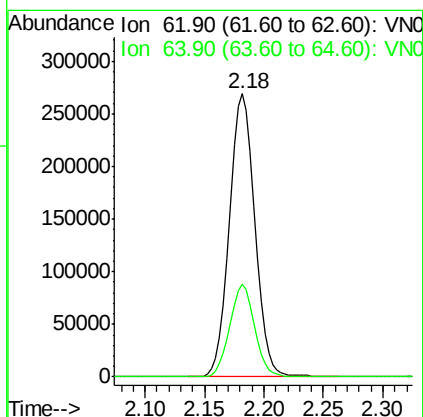
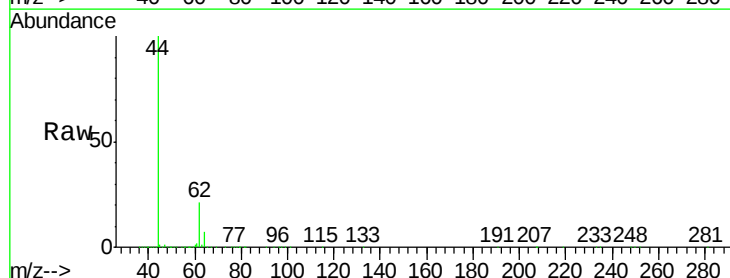
Instrument :
MSVOA_N
ClientSampleId :

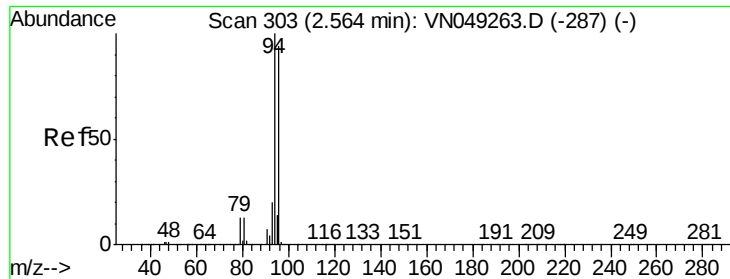
Tot Ion: 50 Resp: 360045
Ion Ratio Lower Upper
50 100
52 33.1 25.2 37.8



#4
Vinyl Chloride
Concen: 19.26 ug/l
RT: 2.18 min Scan# 184
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 62 Resp: 400685
Ion Ratio Lower Upper
62 100
64 32.6 25.7 38.5





#5

Bromomethane

Concen: 17.25 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

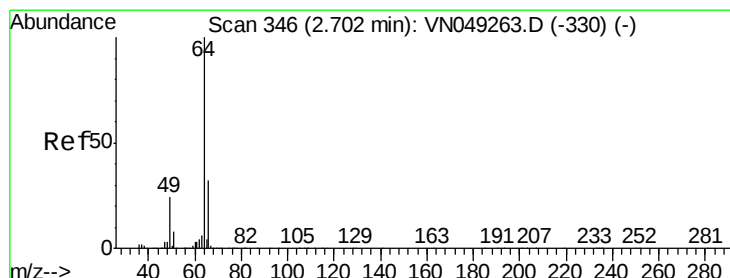
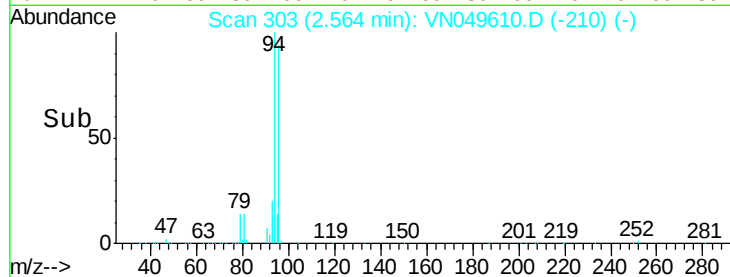
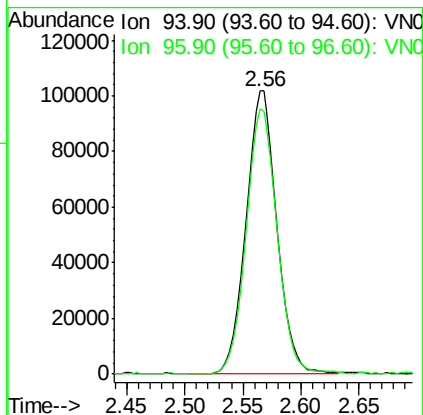
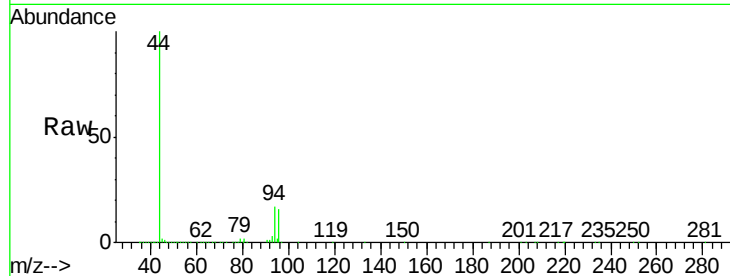
ClientSampleId :

Tot Ion: 94 Resp: 188679

Ion Ratio Lower Upper

94 100

96 93.5 72.8 109.2



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049610.D

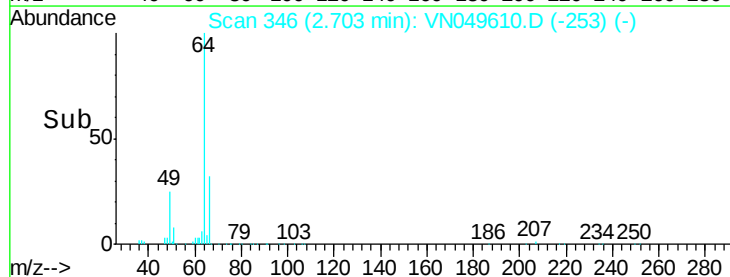
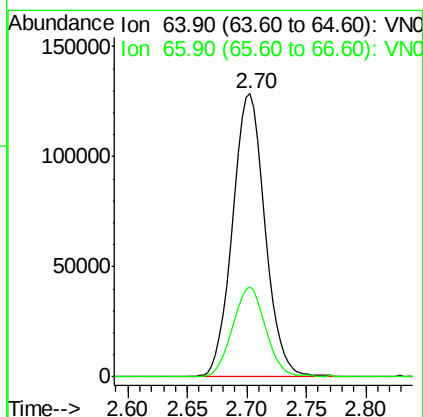
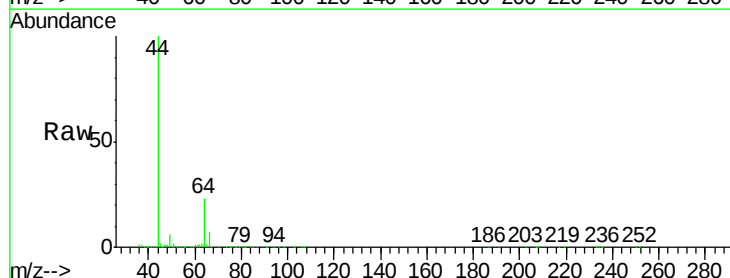
Acq: 29 Jun 2018 00:52

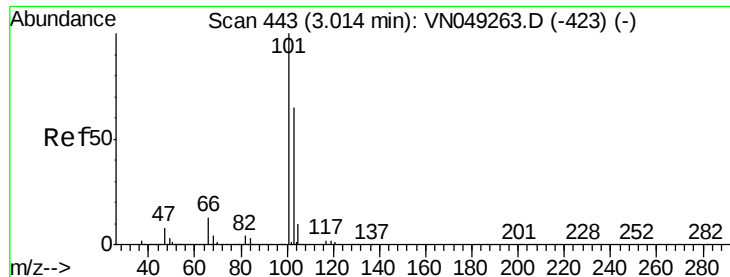
Tgt Ion: 64 Resp: 244235

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



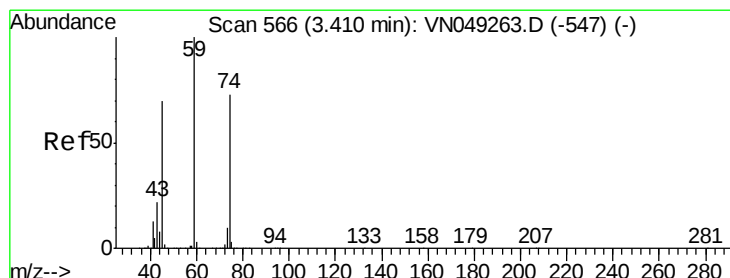
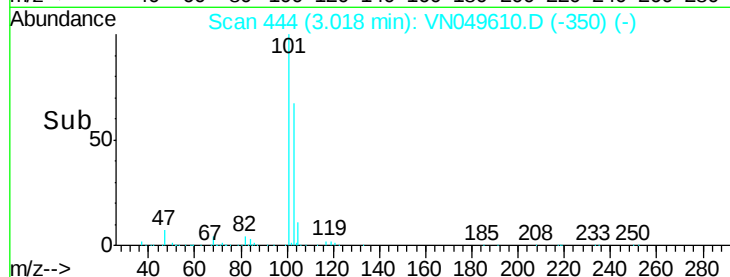
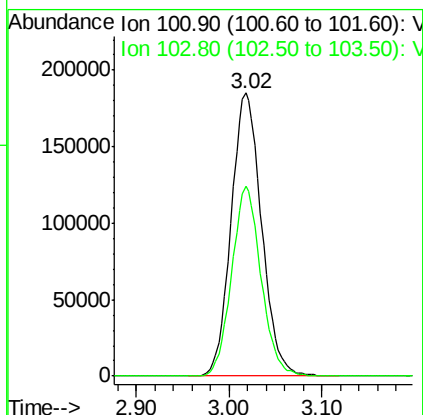
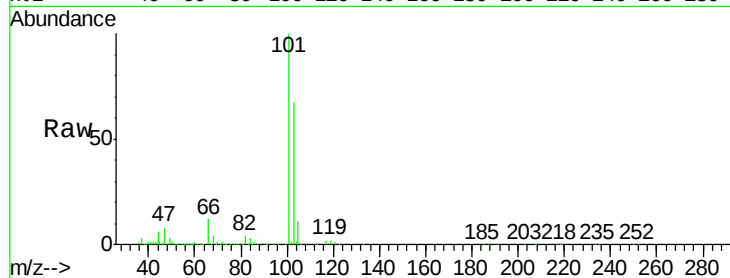


#7

Trichlorofluoromethane
 Concen: 16.23 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :

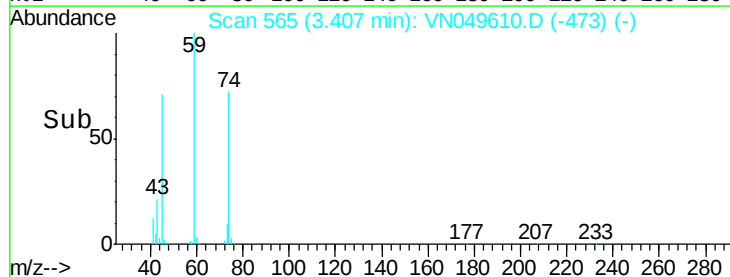
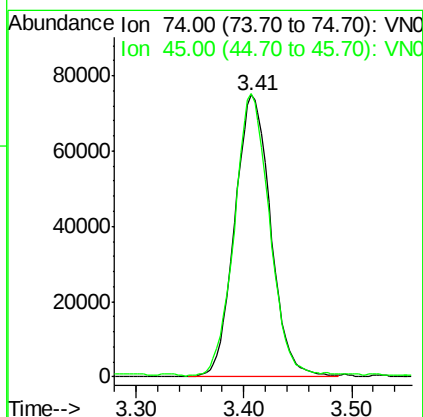
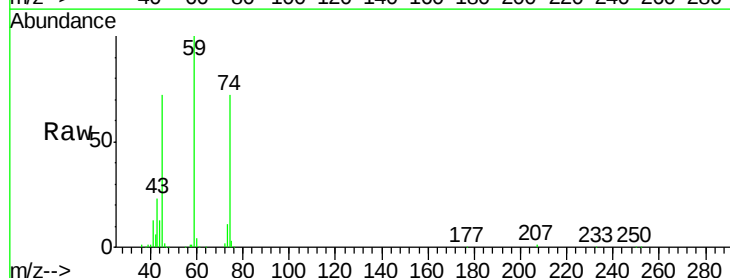
Tot Ion:101 Resp: 421227
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.7 77.5

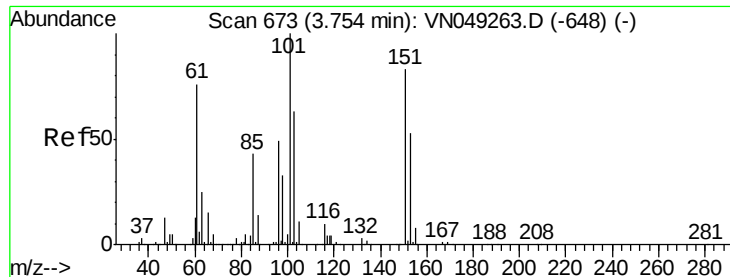


#8

Diethyl Ether
 Concen: 19.17 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion: 74 Resp: 173711
 Ion Ratio Lower Upper
 74 100
 45 98.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.18 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

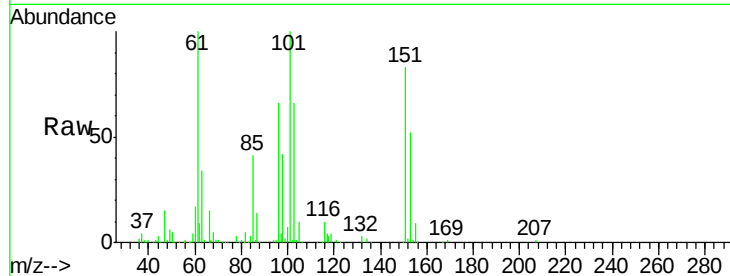
Tot Ion:101 Resp: 315851

Ion Ratio Lower Upper

101 100

85 41.2 37.6 56.4

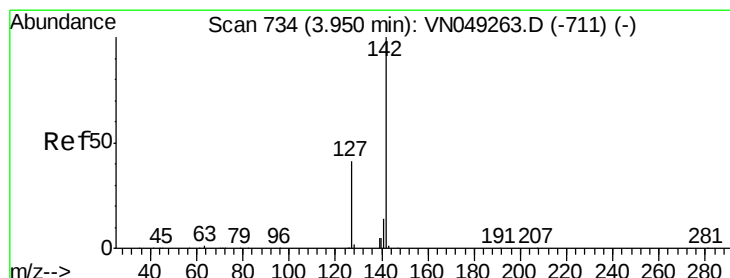
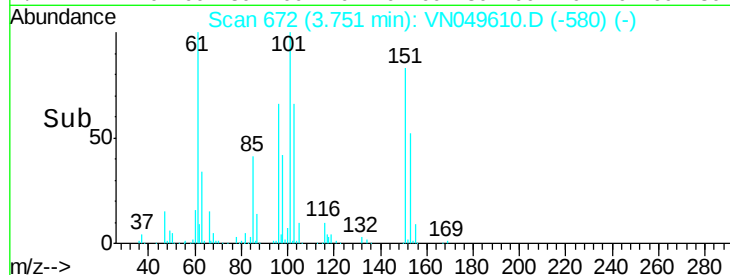
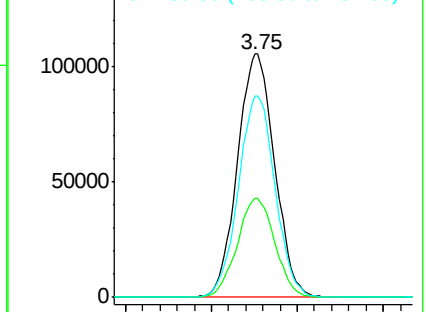
151 82.0 61.1 91.7



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: 23.02 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

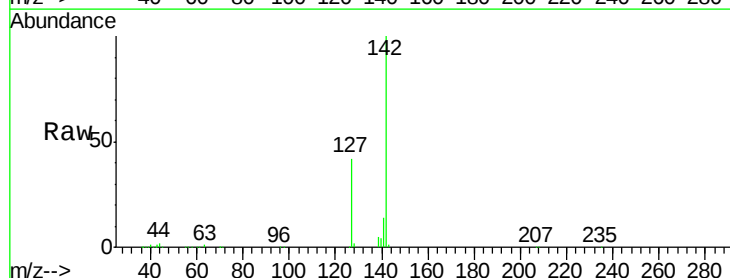
Tgt Ion:142 Resp: 394521

Ion Ratio Lower Upper

142 100

127 41.3 38.2 57.4

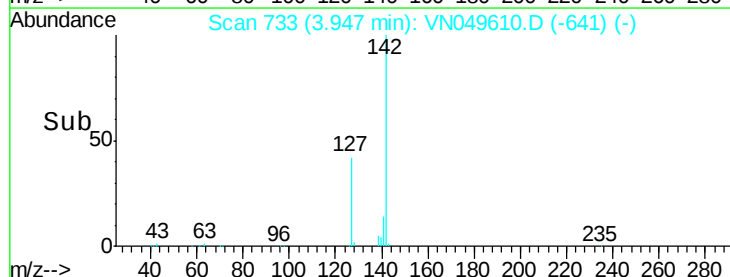
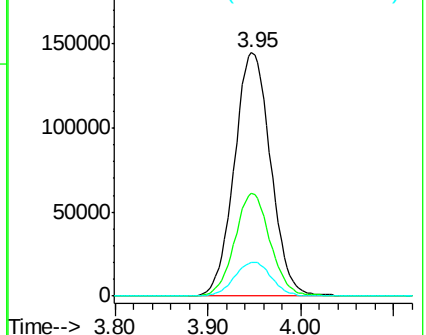
141 14.1 11.9 17.9

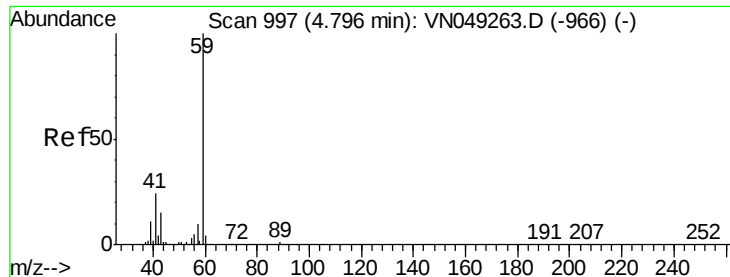


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



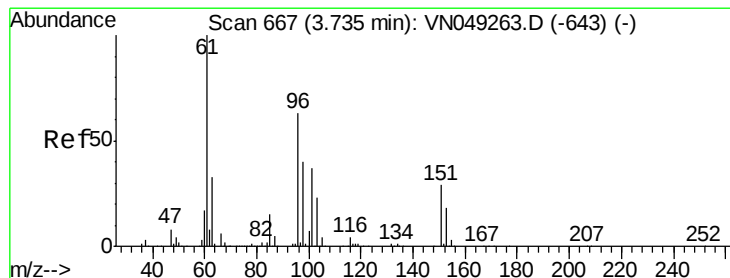
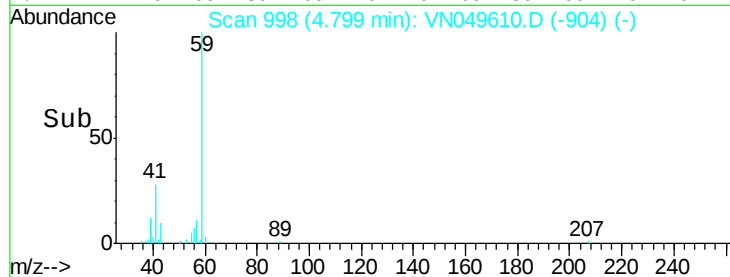
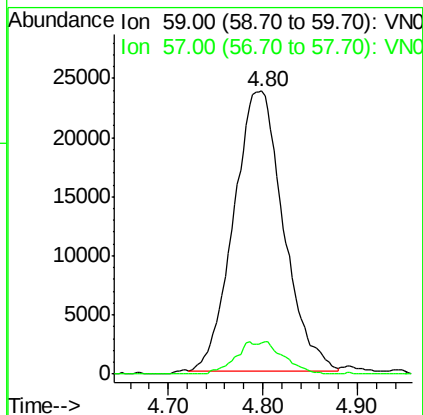
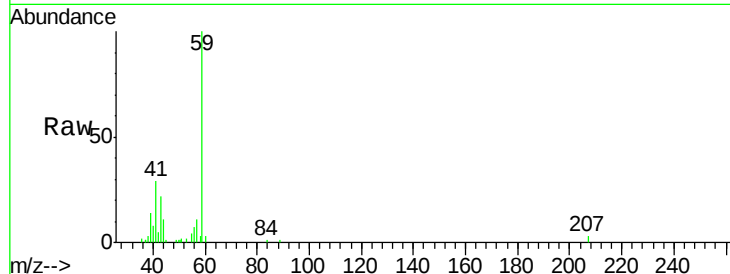


#11

Tert butyl alcohol
 Concen: 84.14 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampled :

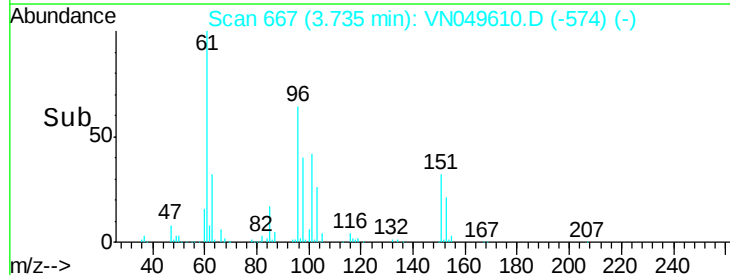
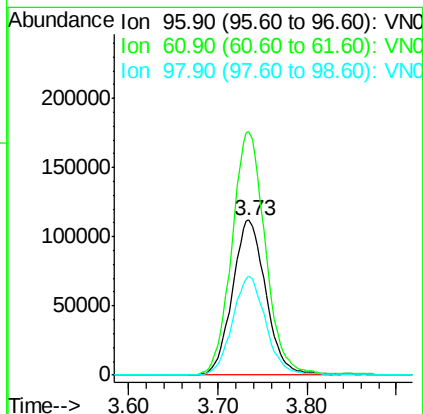
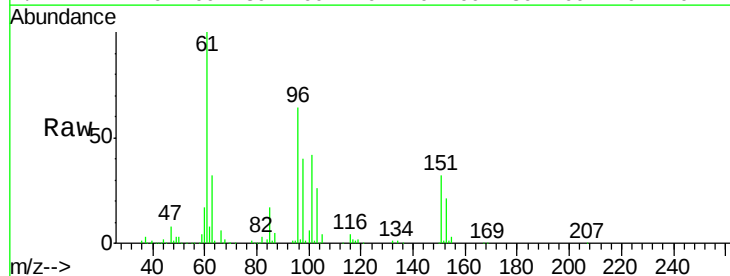
Tot Ion: 59 Resp: 86285
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

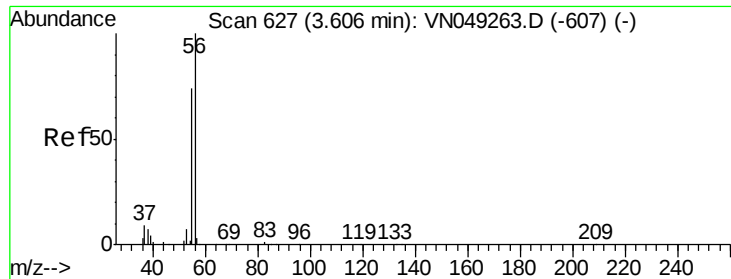


#12

1,1-Dichloroethene
 Concen: 19.30 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion: 96 Resp: 291474
 Ion Ratio Lower Upper
 96 100
 61 157.3 141.0 211.4
 98 63.6 50.4 75.6





#13

Acrolein

Concen: 88.85 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

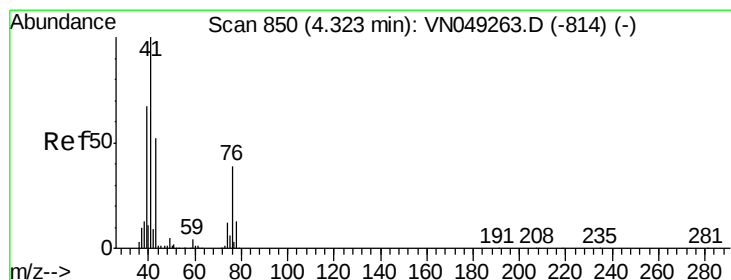
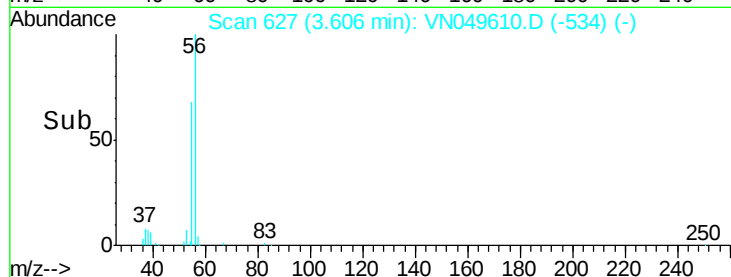
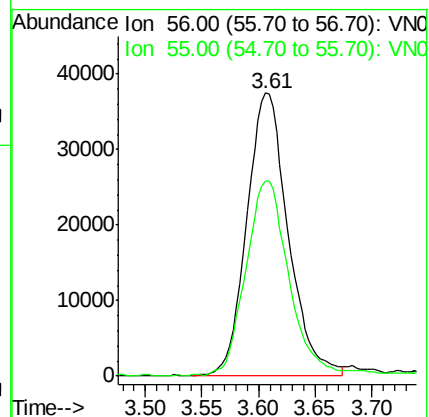
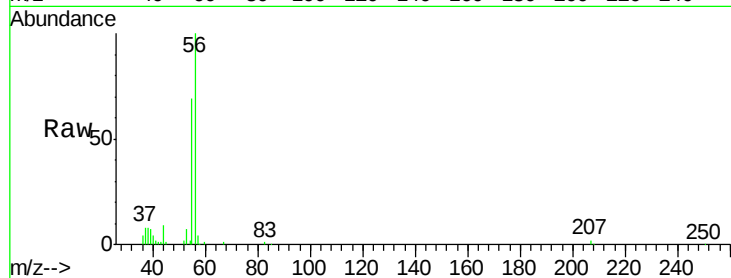
ClientSampleId :

Tot Ion: 56 Resp: 95549

Ion Ratio Lower Upper

56 100

55 71.6 57.1 85.7



#14

Allyl chloride

Concen: 16.79 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

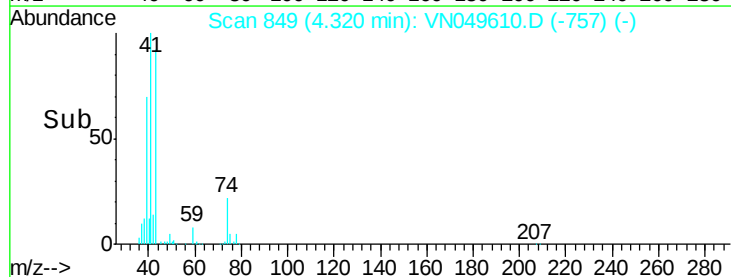
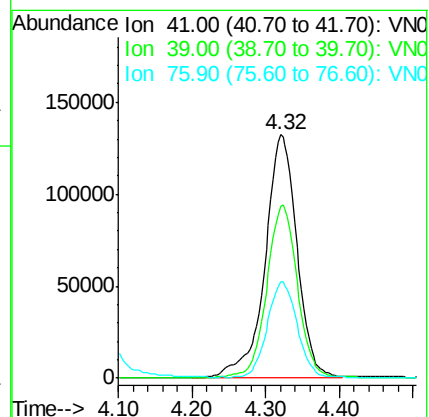
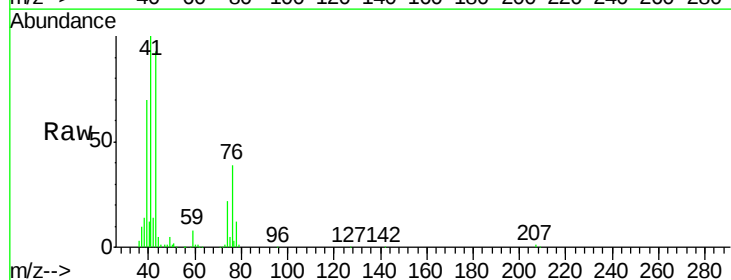
Tgt Ion: 41 Resp: 400494

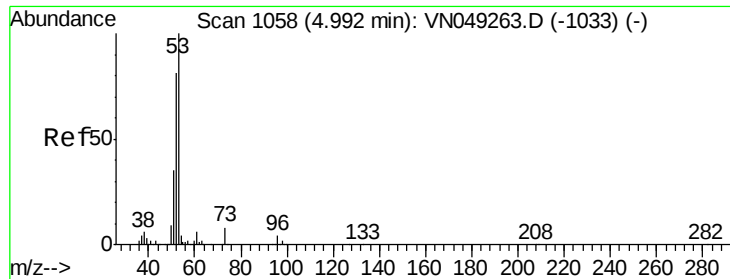
Ion Ratio Lower Upper

41 100

39 67.9 62.5 93.7

76 36.8 27.1 40.7

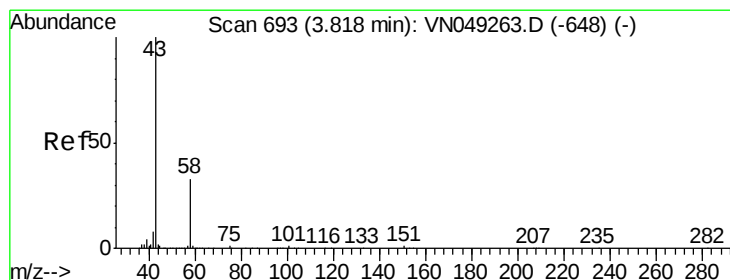
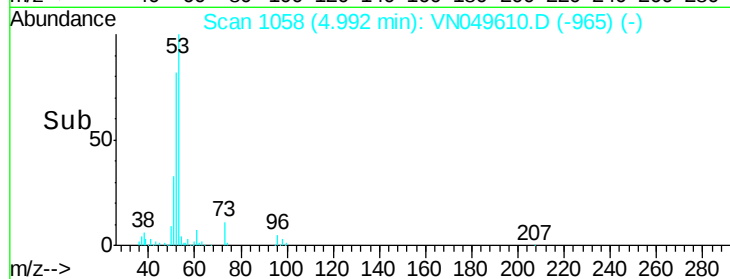
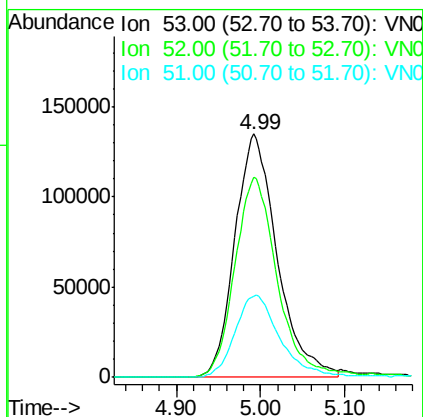
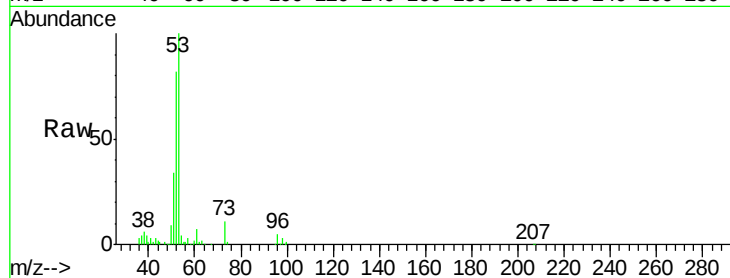




#15
 Acrylonitrile
 Concen: 91.71 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

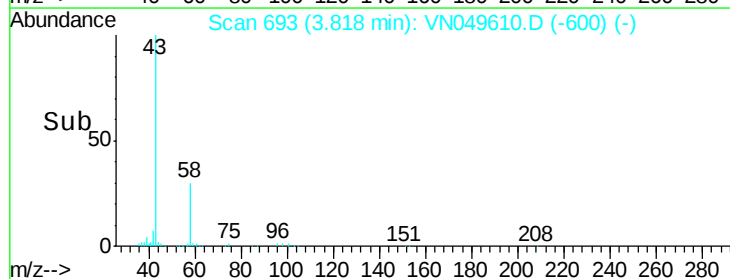
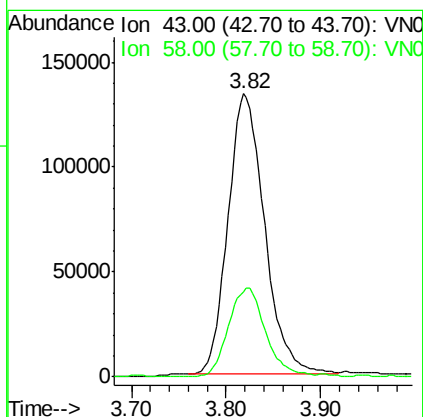
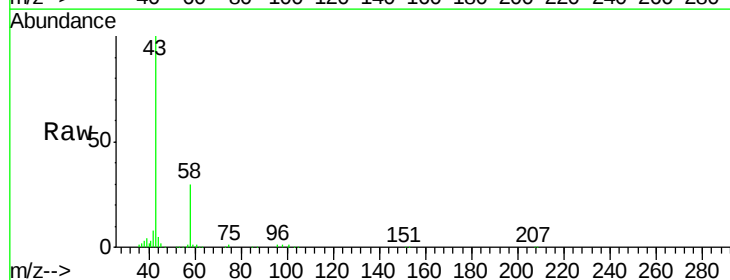
Instrument :
 MSVOA_N
 ClientSampleId :

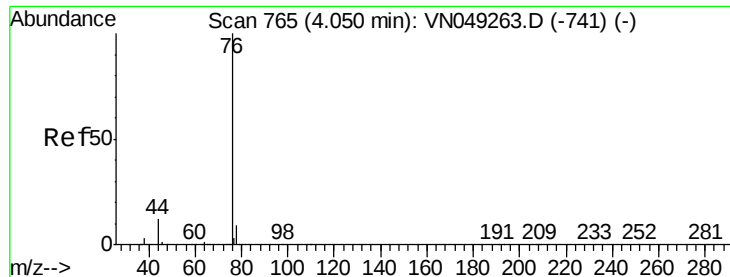
Tot Ion	53	Resp	470225
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	100.0
51	36.1	29.8	44.8



#16
 Acetone
 Concen: 84.90 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	43	Resp	360151
Ion Ratio	Lower	Upper	
43	100		
58	30.2	22.4	33.6

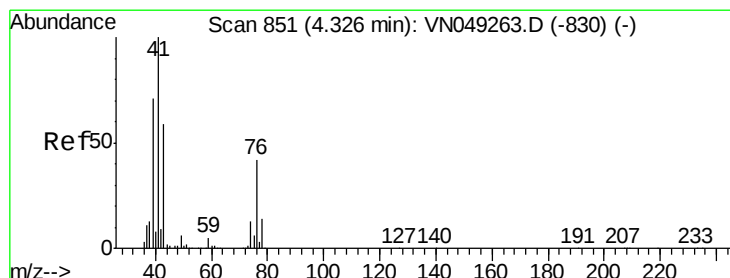
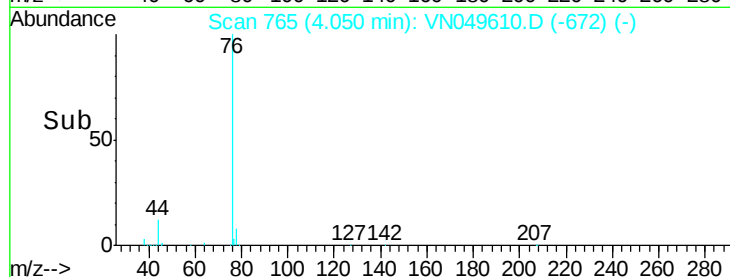
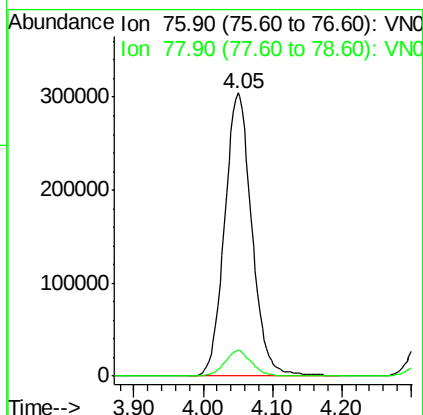
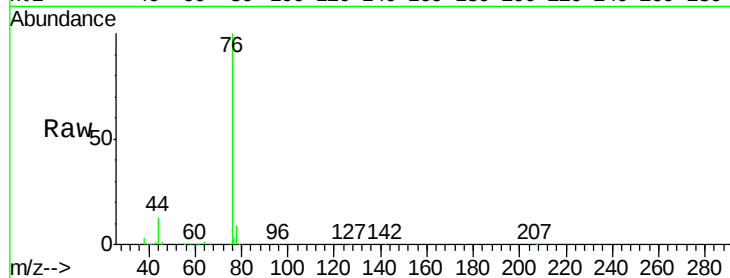




#17
Carbon Disulfide
Concen: 17.65 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

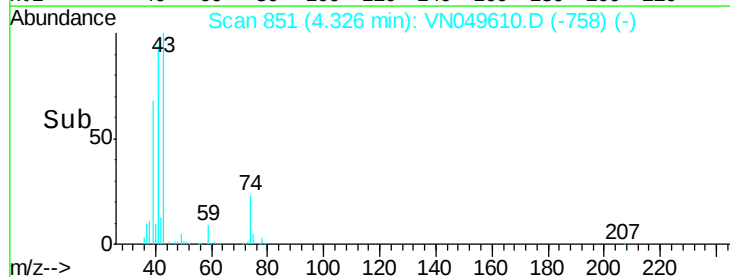
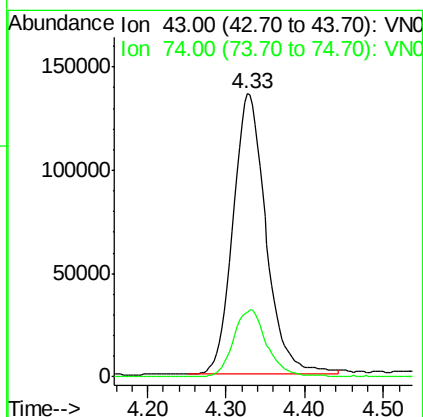
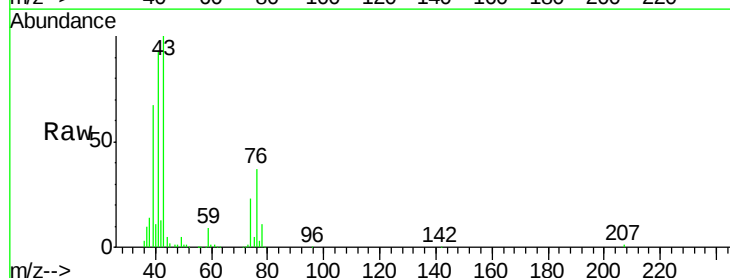
Instrument :
MSVOA_N
ClientSampleId :

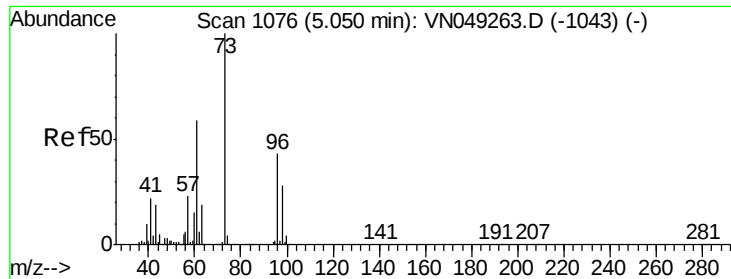
Tot Ion: 76 Resp: 835359
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 30.90 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 43 Resp: 399683
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0

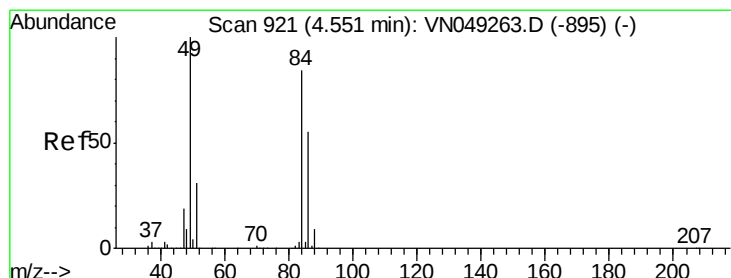
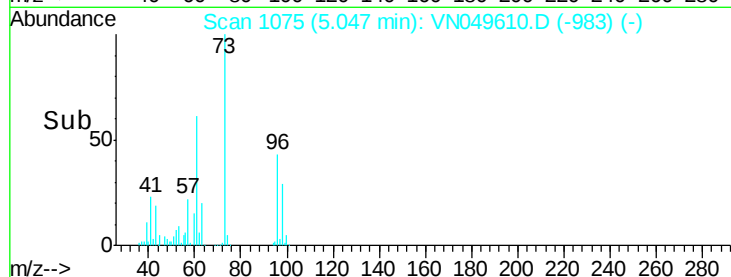
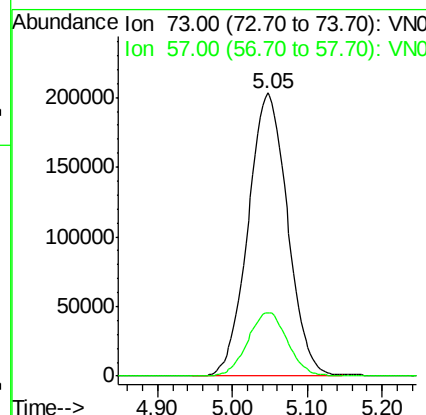
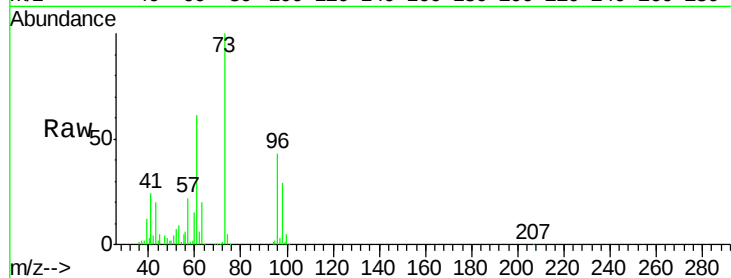




#19
Methvl tert-butvl Ether
Concen: 19.39 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

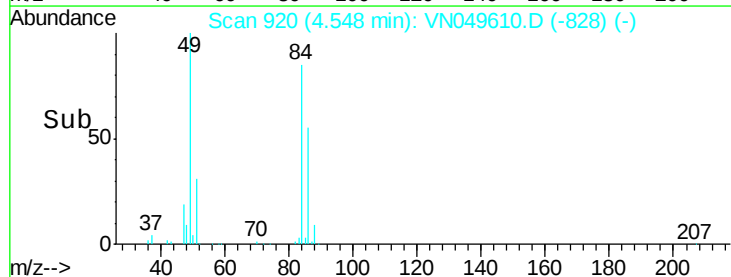
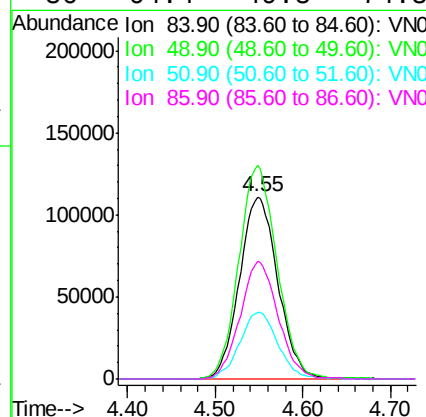
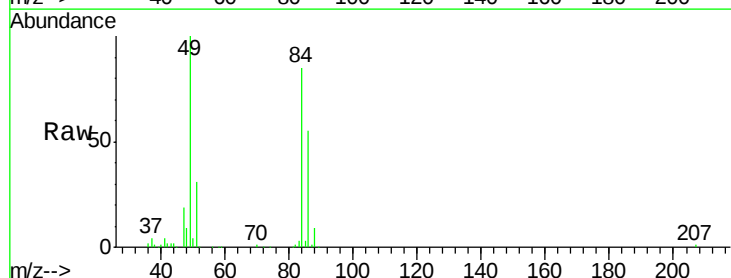
Instrument :
MSVOA_N
ClientSampleId :

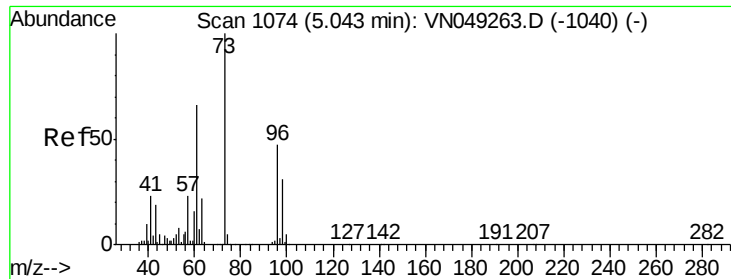
Tot Ion: 73 Resp: 746687
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 19.05 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 84 Resp: 337535
Ion Ratio Lower Upper
84 100
49 117.3 106.9 160.3
51 36.7 32.7 49.1
86 64.4 49.8 74.8

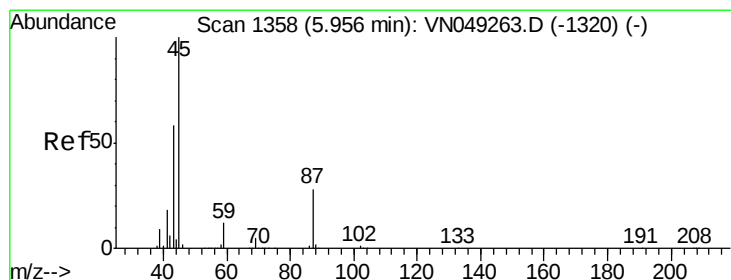
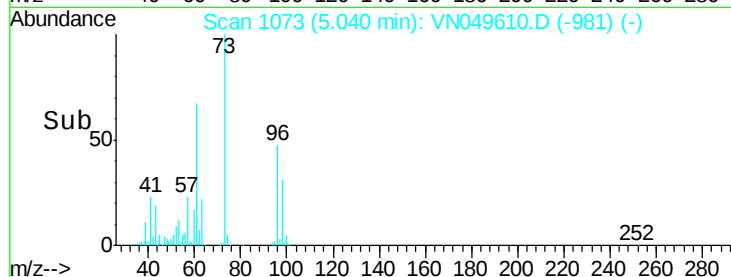
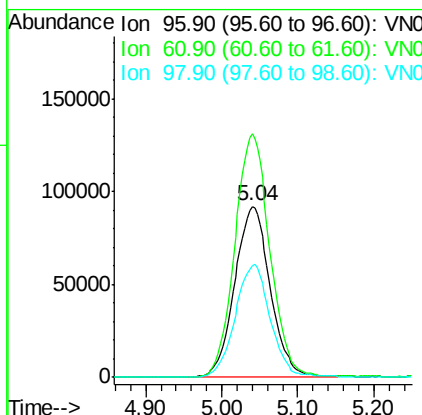
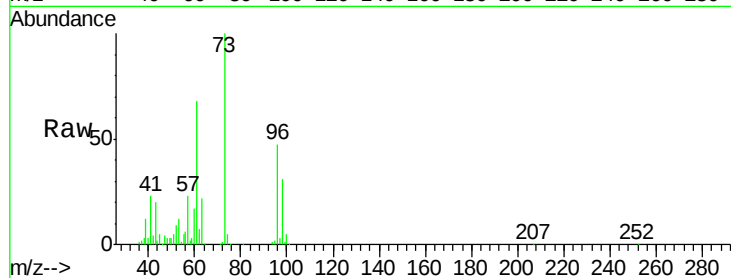




#21
trans-1,2-Dichloroethene
Concen: 18.68 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

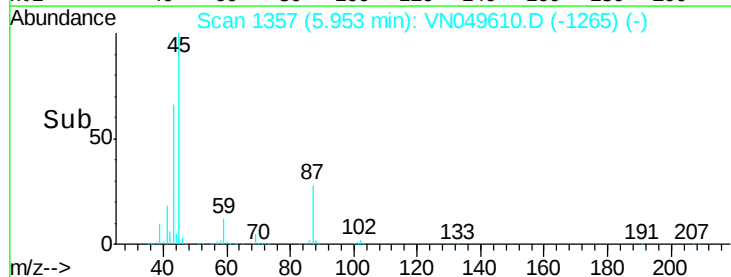
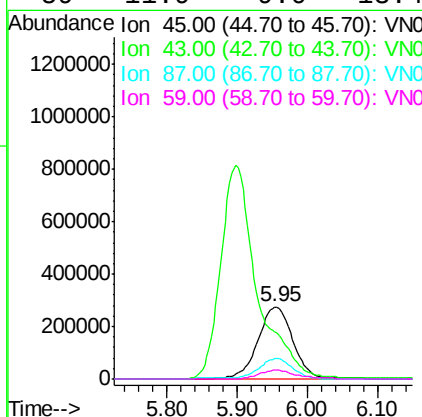
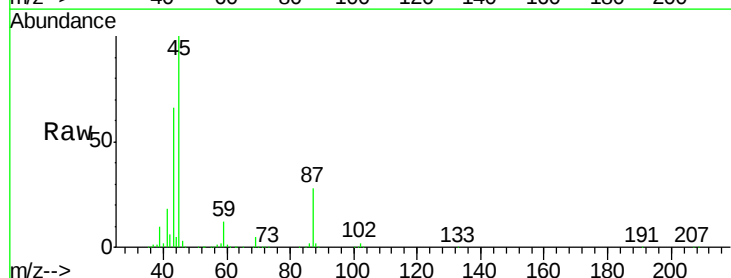
Instrument :
MSVOA_N
ClientSampleId :

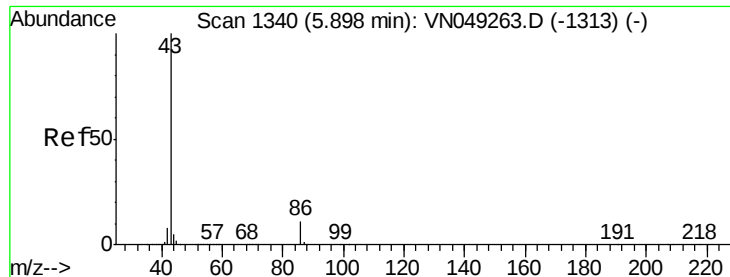
Tot Ion: 96 Resp: 298649
Ion Ratio Lower Upper
96 100
61 142.5 121.3 181.9
98 65.7 52.0 78.0



#22
Diisopropyl ether
Concen: 19.90 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 45 Resp: 947850
Ion Ratio Lower Upper
45 100
43 65.6 48.6 72.8
87 28.0 20.2 30.2
59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 95.17 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

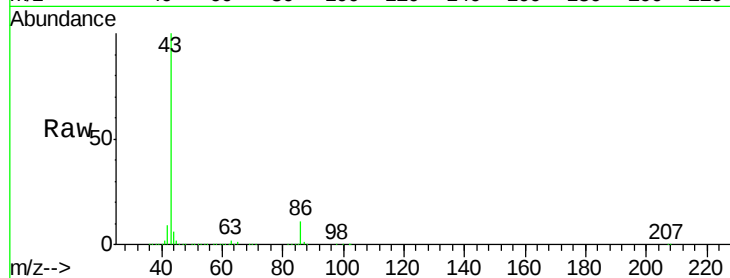
ClientSampled :

Tot Ion: 43 Resp: 2954788

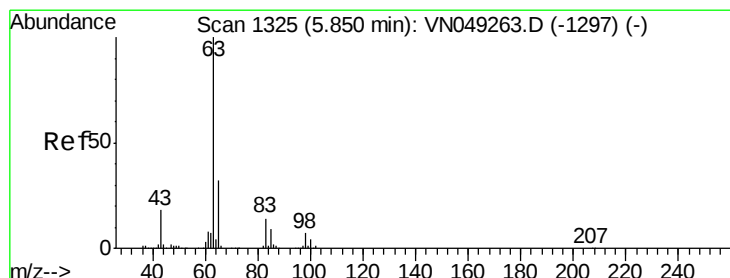
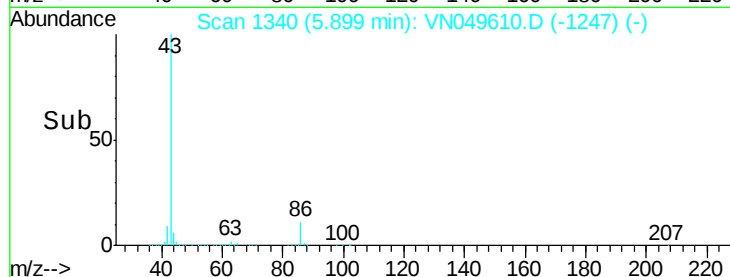
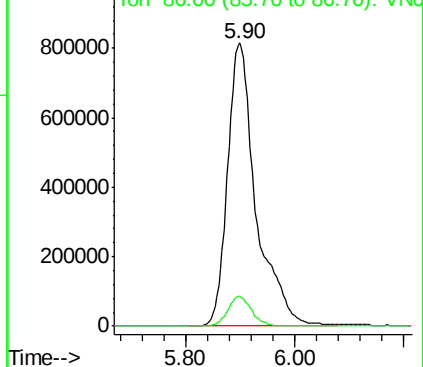
Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049610.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

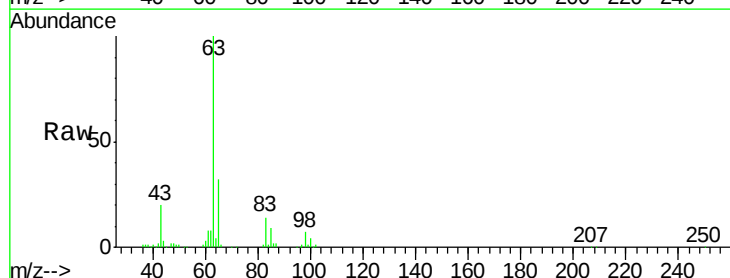
Tgt Ion: 63 Resp: 587169

Ion Ratio Lower Upper

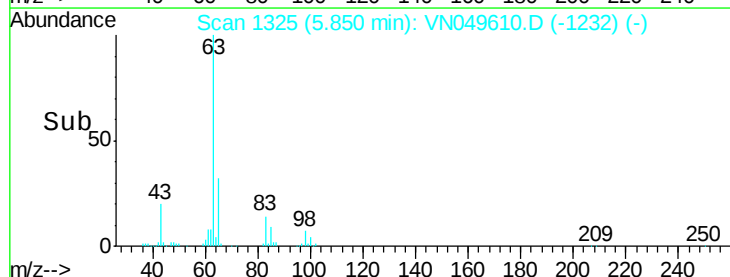
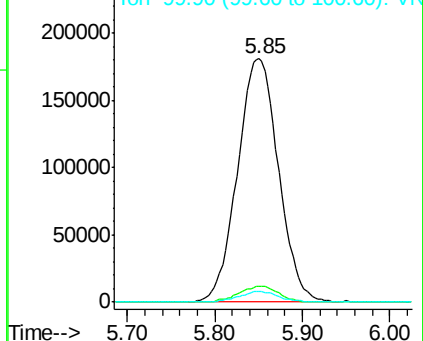
63 100

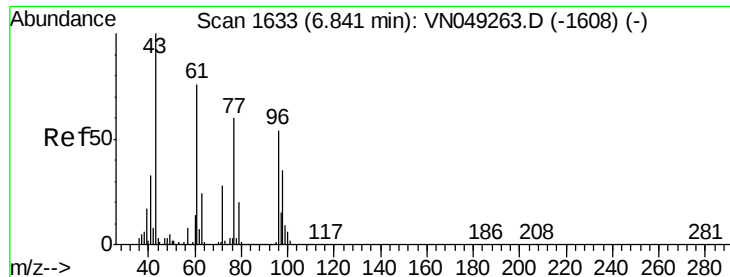
98 6.5 2.9 8.8

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049610.D (-1232) (-)





#25

2-Butanone

Concen: 87.53 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

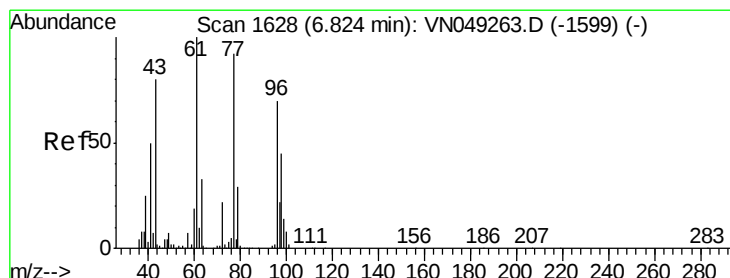
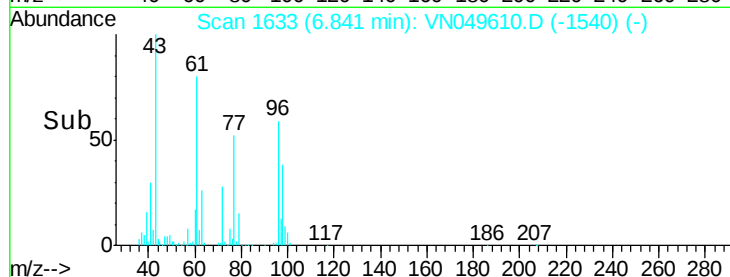
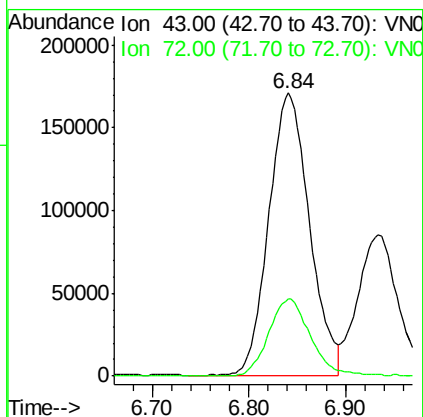
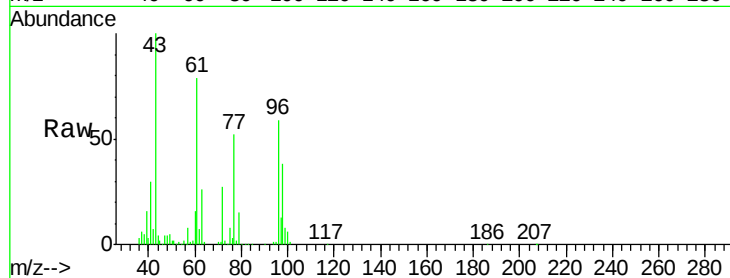
ClientSampleId :

Tot Ion: 43 Resp: 498596

Ion Ratio Lower Upper

43 100

72 27.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 15.33 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049610.D

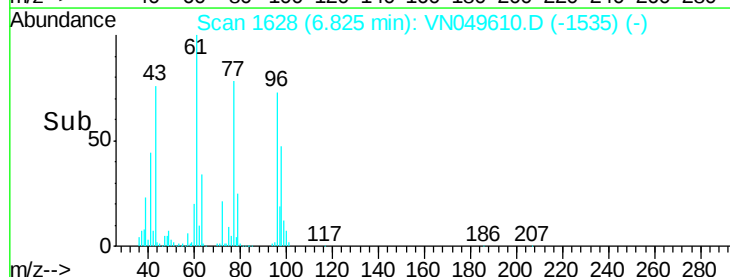
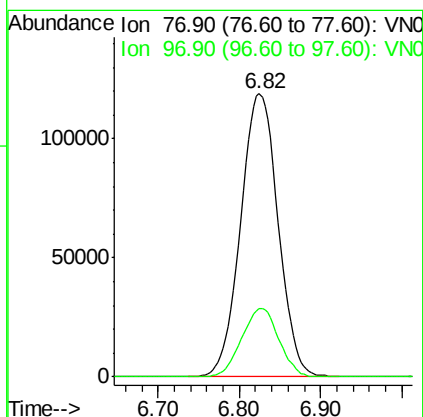
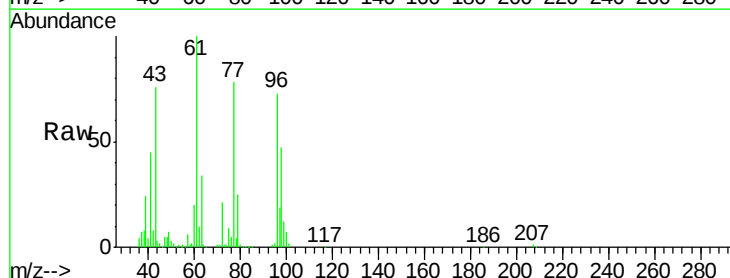
Acq: 29 Jun 2018 00:52

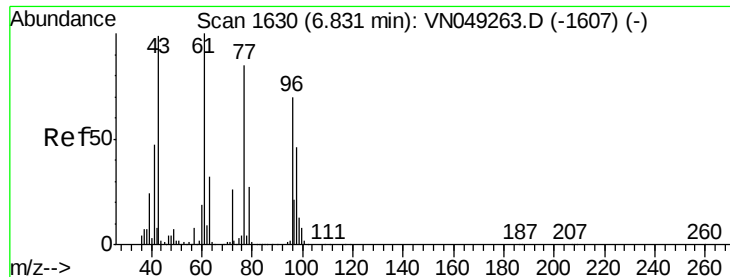
Tgt Ion: 77 Resp: 377461

Ion Ratio Lower Upper

77 100

97 24.1 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.23 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

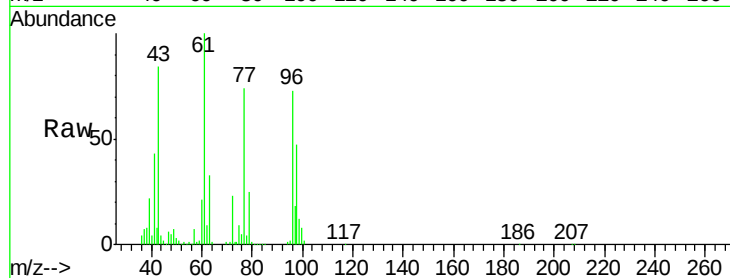
Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 341874

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	316.4
98	64.4	0.0	128.4

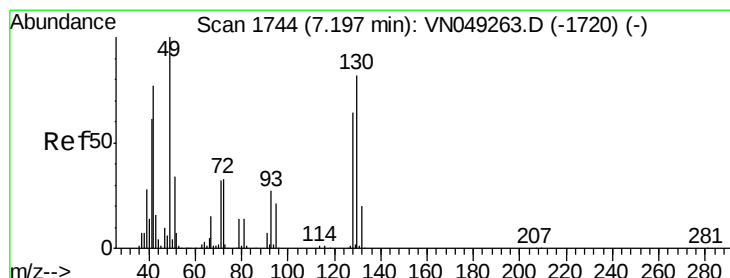
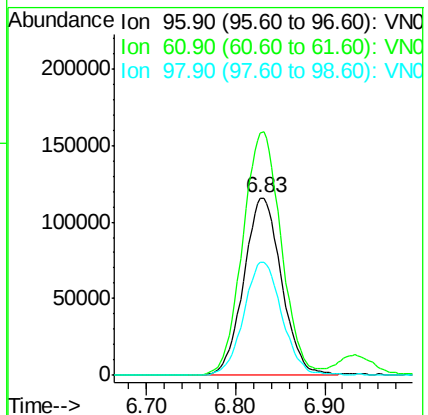
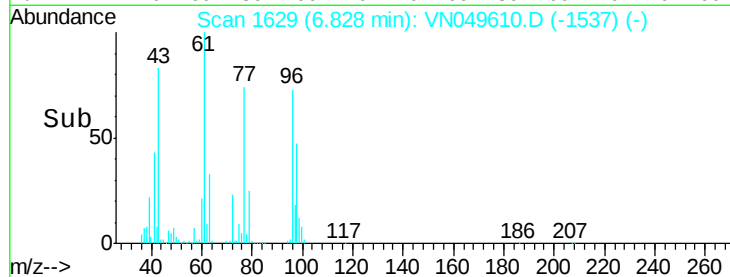


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.38 ug/l

RT: 7.20 min Scan# 1744

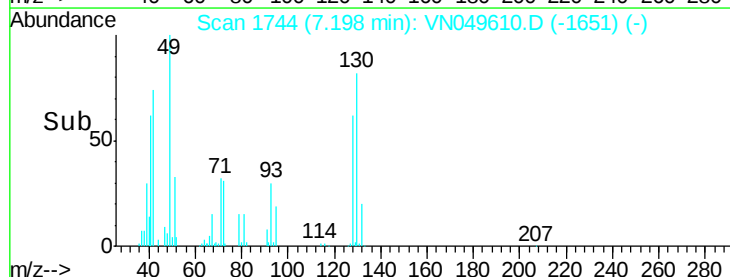
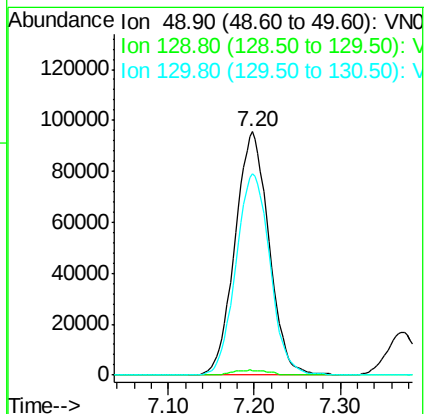
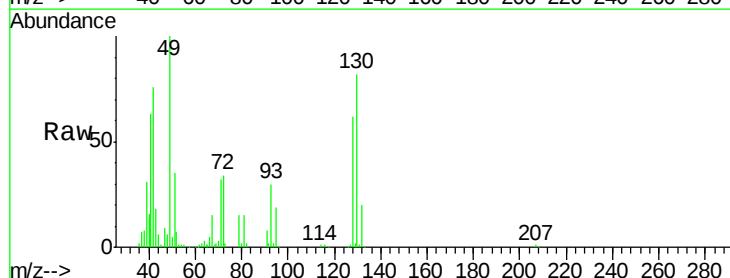
Delta R.T. 0.00 min

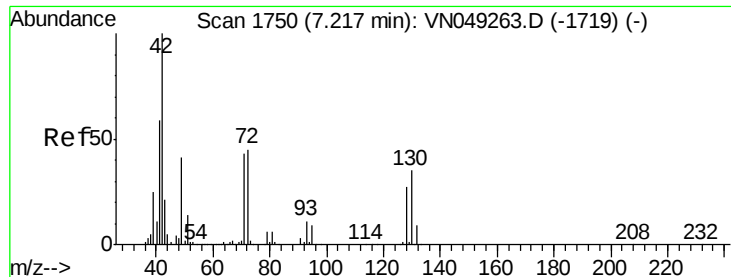
Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion: 49 Resp: 261918

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.9	54.9	82.3#





#29

Tetrahydrofuran

Concen: 93.44 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :

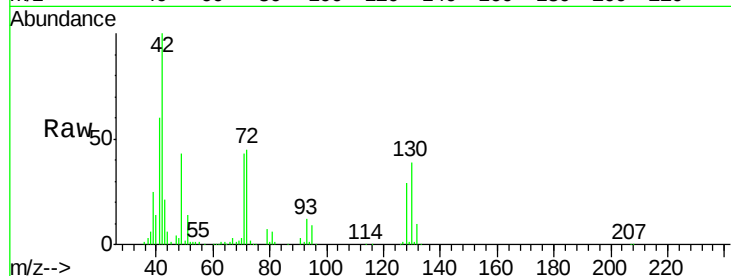
Tot Ion: 42 Resp: 342617

Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.2	48.4
71	42.3	30.5	45.7

42 100

72 44.7 32.2 48.4

71 42.3 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049610.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049610.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049610.D (-1657) (-)

7.22

150000

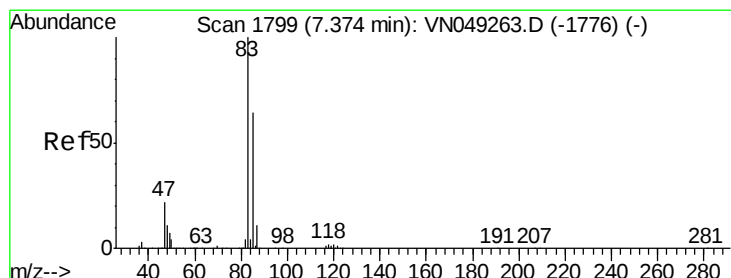
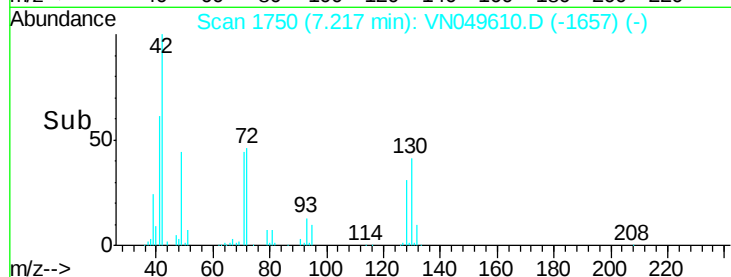
100000

50000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 19.75 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049610.D

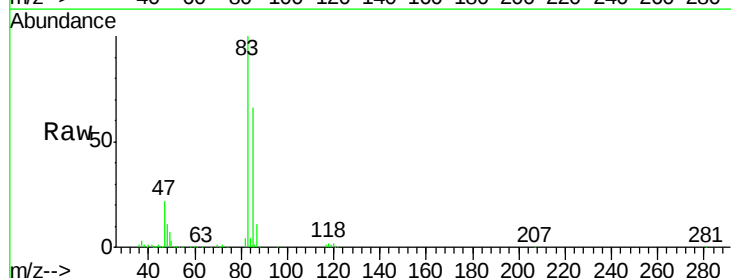
Acq: 29 Jun 2018 00:52

Tgt Ion: 83 Resp: 599200

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5

83 100

85 65.6 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049610.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049610.D (-1706) (-)

7.37

250000

200000

150000

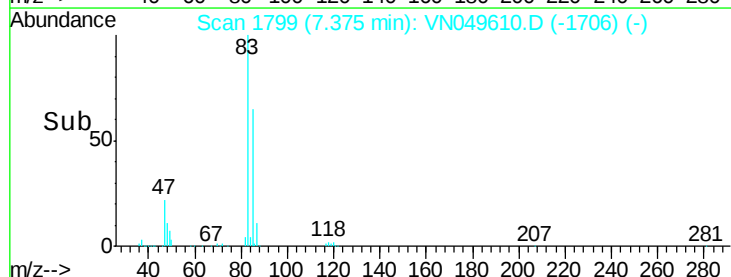
100000

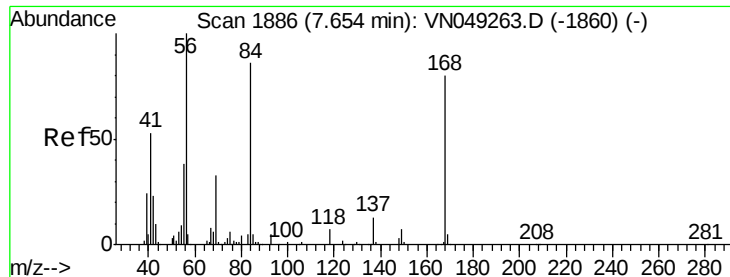
50000

0

7.30 7.40 7.50

Time-->

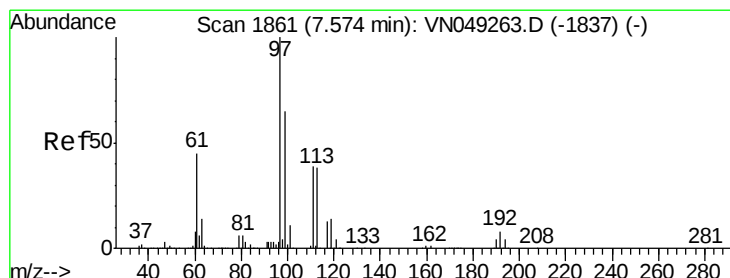
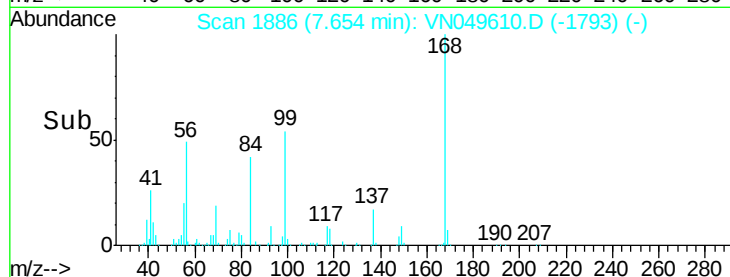
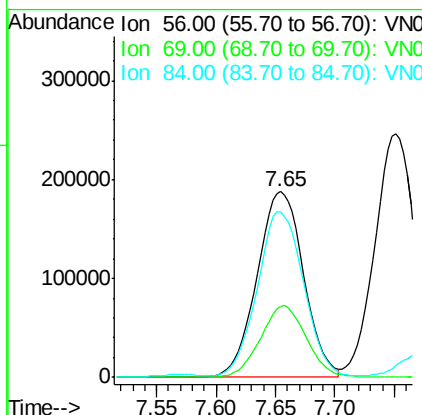
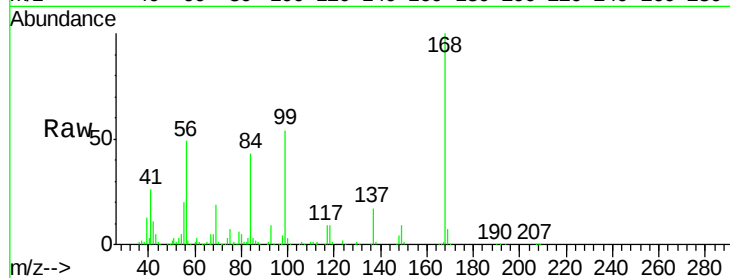




#31
Cyclohexane
Concen: 19.54 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

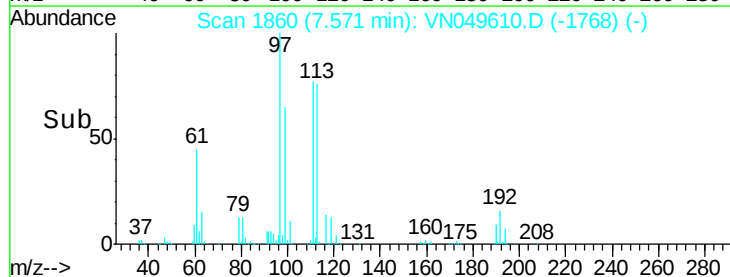
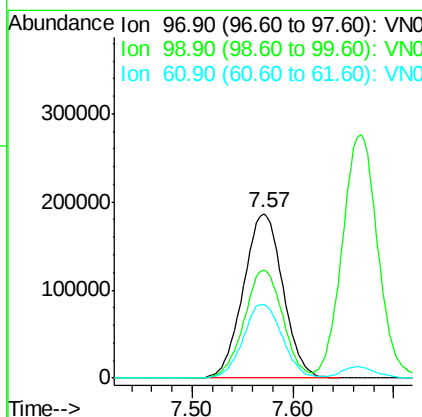
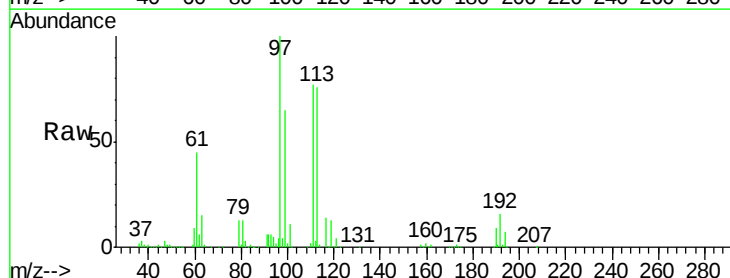
Instrument :
MSVOA_N
ClientSampleId :

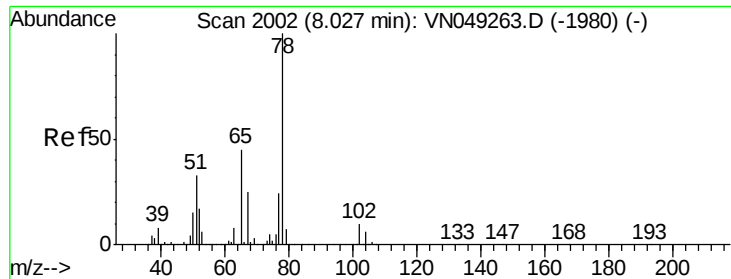
Tot Ion	56	Resp	507682
Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.0	37.4#
84	87.4	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.62 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	97	Resp	507862
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.5	75.7
61	44.4	37.9	56.9

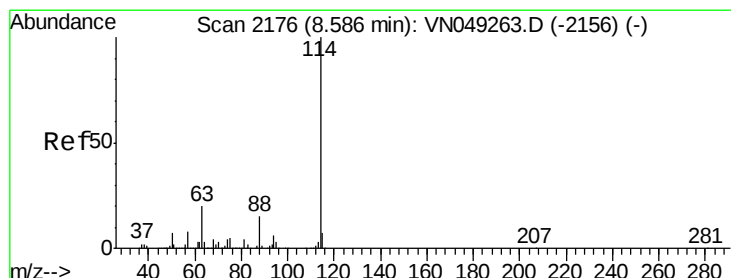
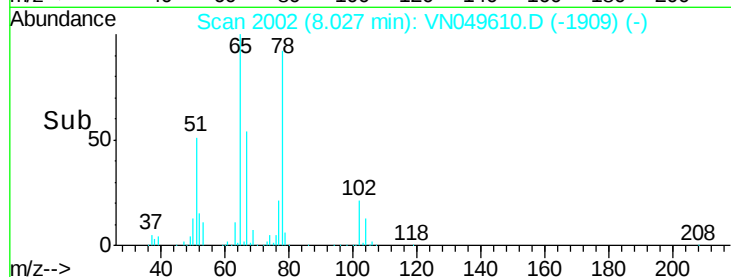
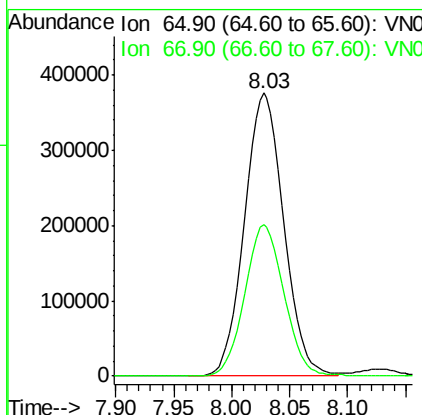
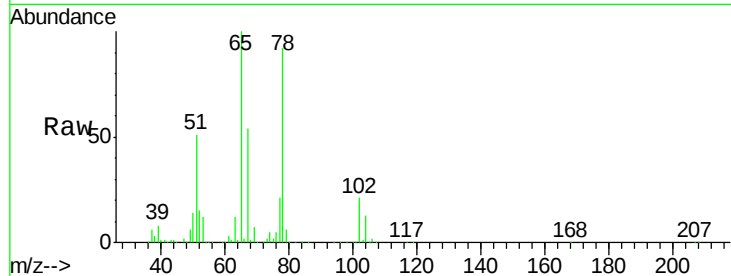




#33
 1,2-Dichloroethane-d4
 Concen: 50.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

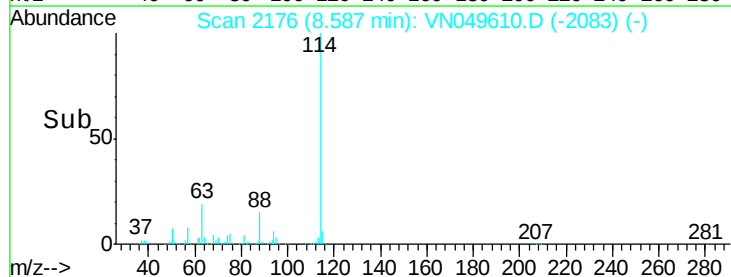
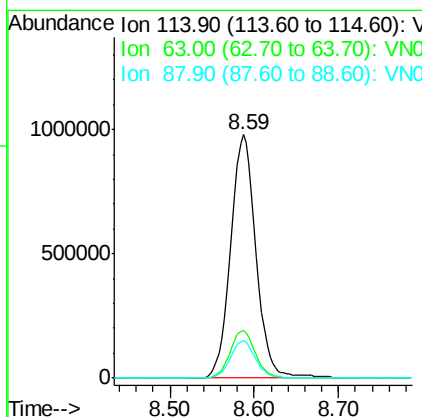
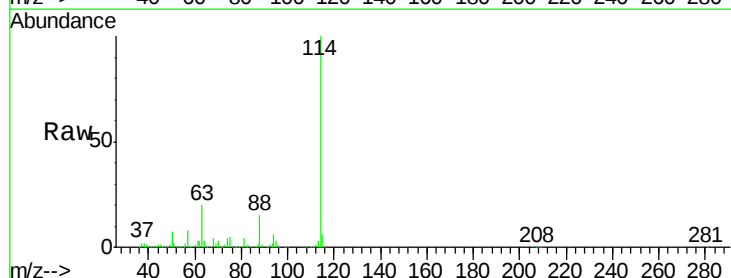
Instrument :
 MSVOA_N
 ClientSampleId :

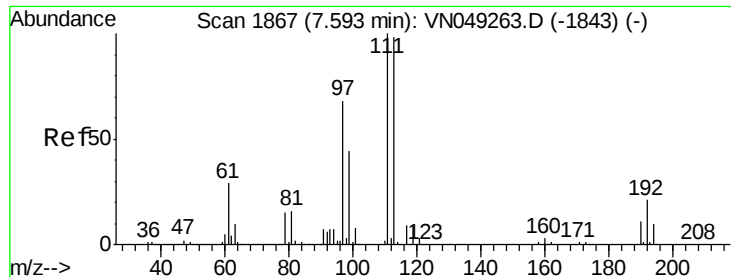
Tot Ion: 65 Resp: 887282
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion: 114 Resp: 2046810
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 44.4
 88 15.4 0.0 31.4

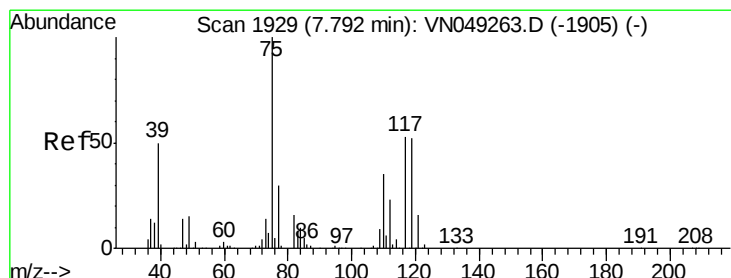
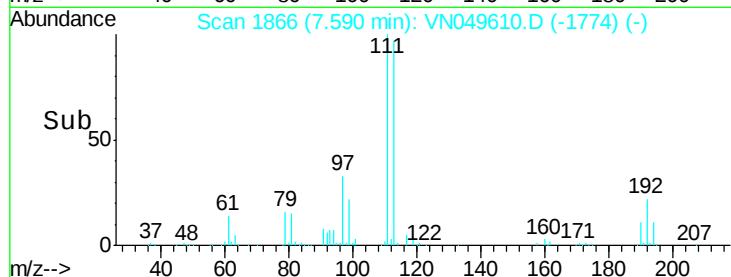
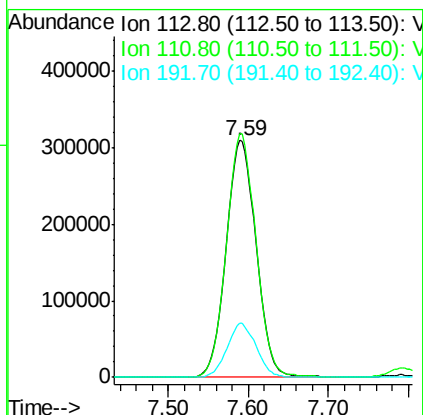
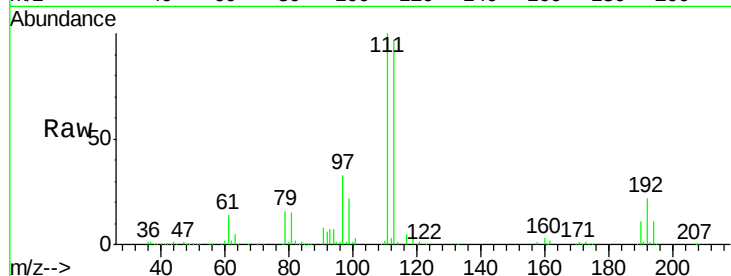




#35
 Dibromofluoromethane
 Concen: 47.72 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

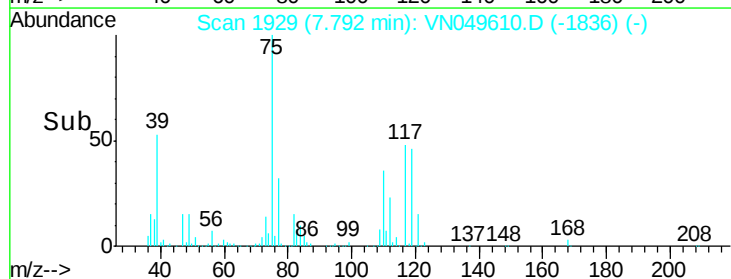
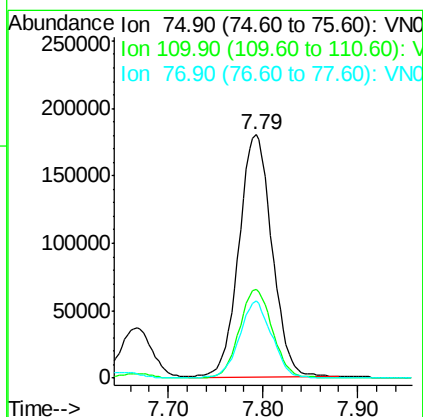
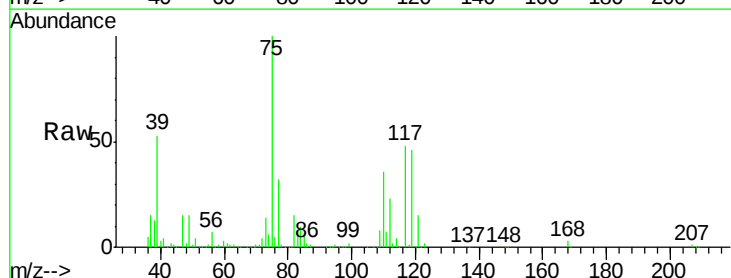
Instrument :
 MSVOA_N
 ClientSampleId :

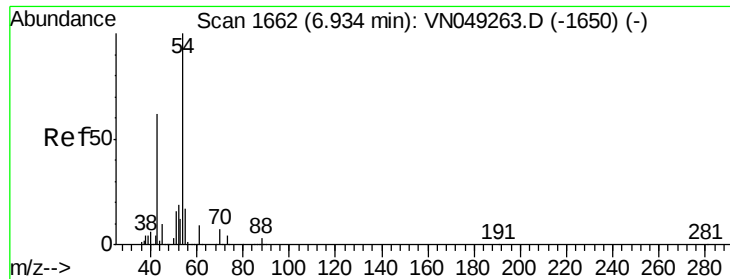
Tot Ion:113 Resp: 790199
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.4 123.6
 192 22.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 18.64 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion: 75 Resp: 437237
 Ion Ratio Lower Upper
 75 100
 110 36.8 17.0 50.9
 77 31.3 24.4 36.6

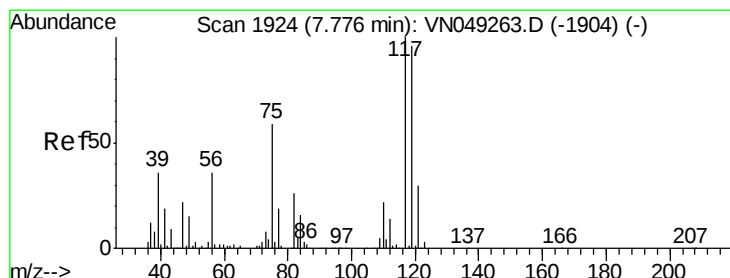
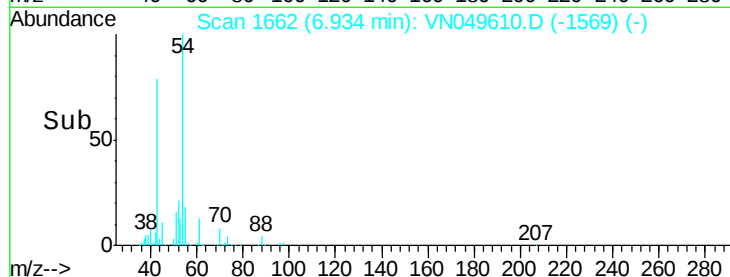
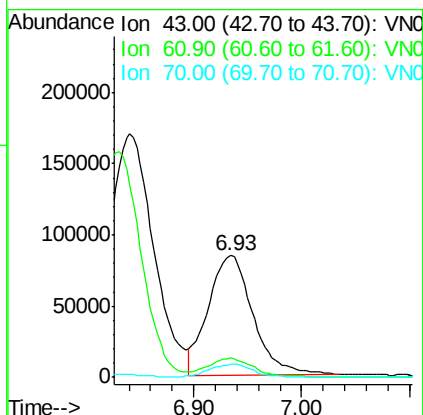
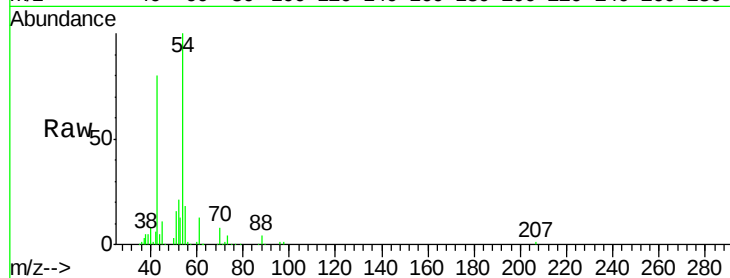




#37
Ethyl Acetate
Concen: 19.00 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

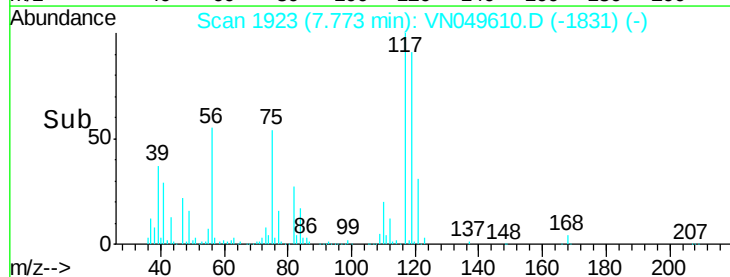
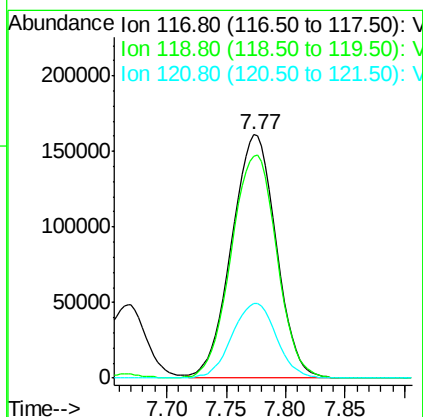
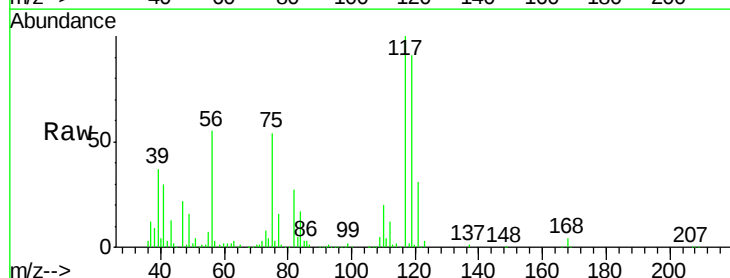
Instrument :
MSVOA_N
ClientSampled :

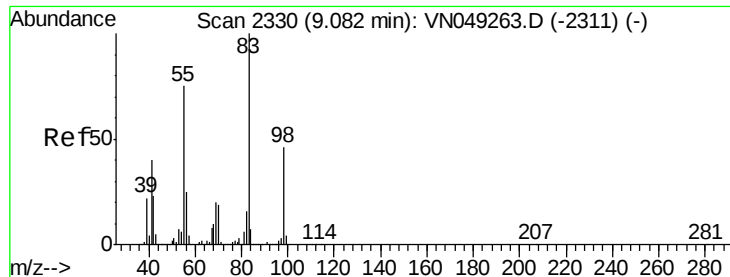
Tot Ion: 43 Resp: 242317
Ion Ratio Lower Upper
43 100
61 15.0 11.0 16.4
70 10.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 17.06 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 117 Resp: 414287
Ion Ratio Lower Upper
117 100
119 91.3 75.6 113.4
121 30.8 24.7 37.1

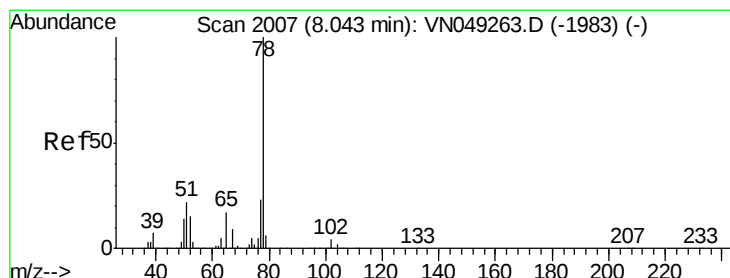
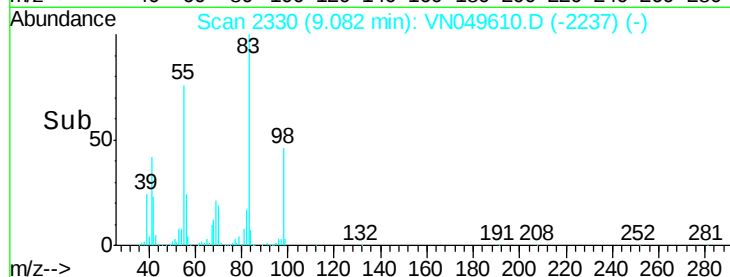
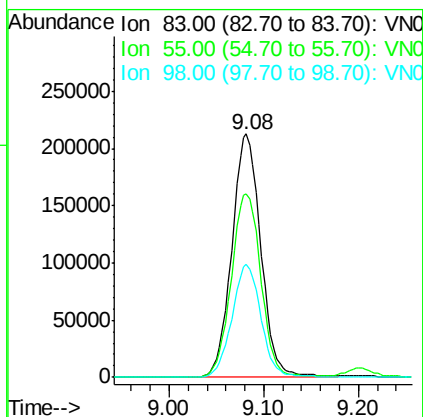
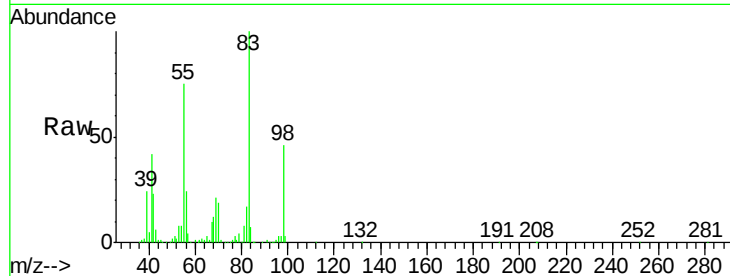




#39
Methvlcvclohexane
Concen: 18.01 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

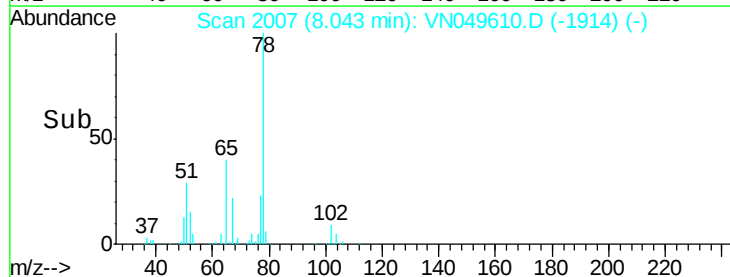
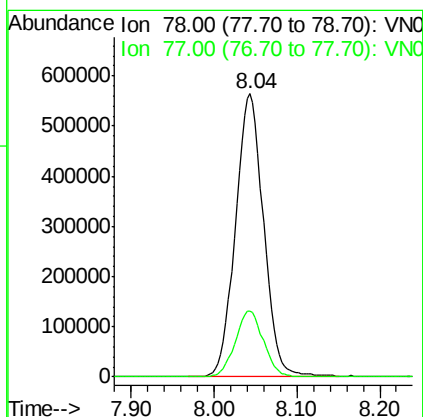
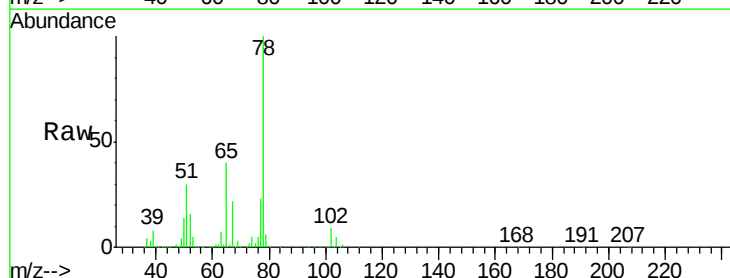
Instrument :
MSVOA_N
ClientSampled :

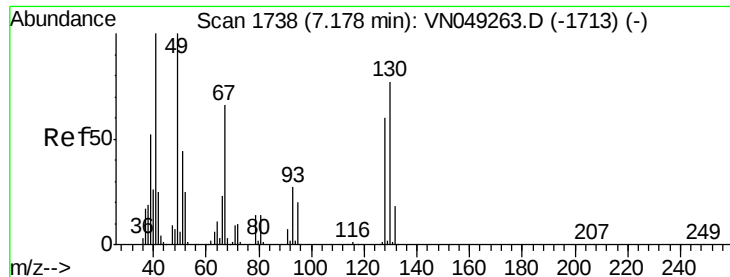
Tot Ion: 83 Resp: 453631
Ion Ratio Lower Upper
83 100
55 75.5 65.1 97.7
98 46.4 36.5 54.7



#40
Benzene
Concen: 18.55 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 78 Resp: 1333933
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0

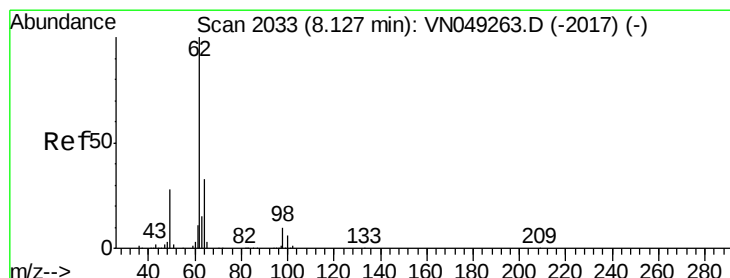
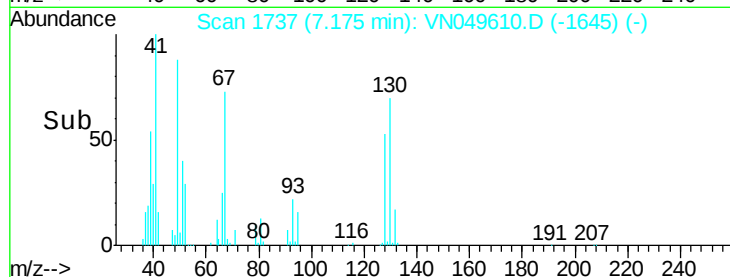
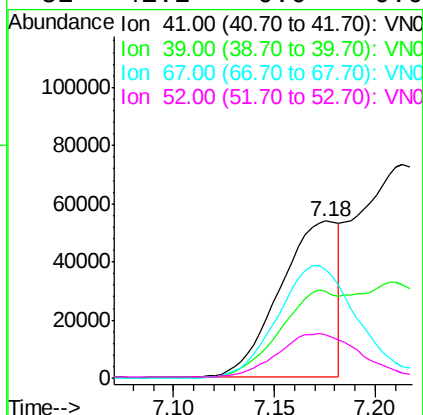
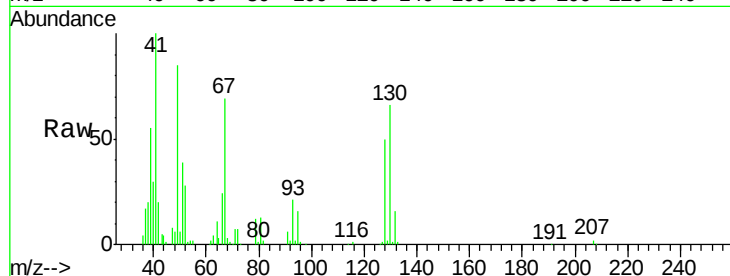




#41
Methacrylonitrile
Concen: 15.63 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

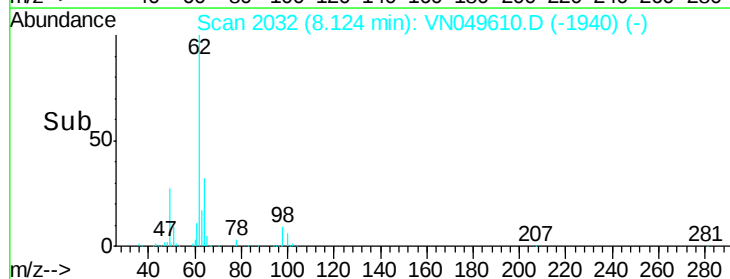
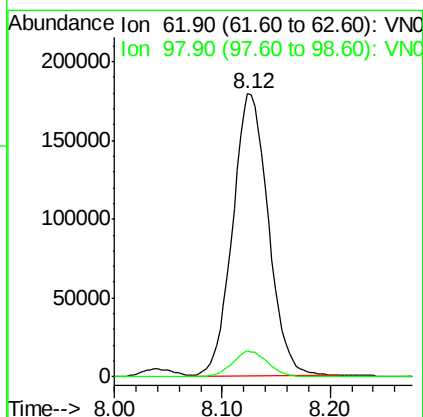
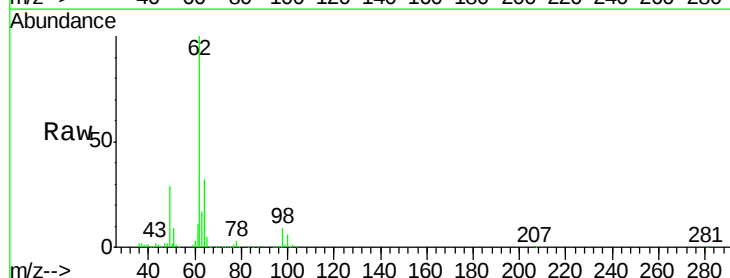
Instrument :
MSVOA_N
ClientSampleId :

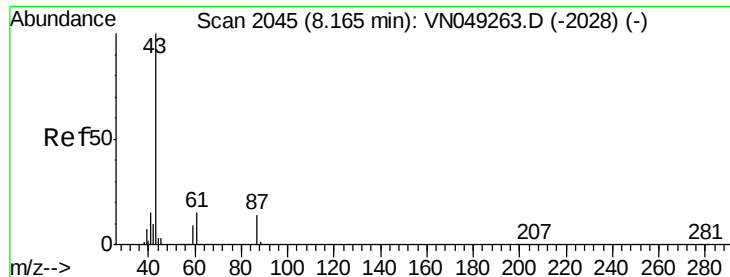
Tot Ion: 41 Resp: 107794
Ion Ratio Lower Upper
41 100
39 54.4 0.0 0.0#
67 100.6 0.0 0.0#
52 41.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 18.57 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 62 Resp: 412620
Ion Ratio Lower Upper
62 100
98 9.3 0.0 16.2





#43

Isopropyl Acetate

Concen: 23.11 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

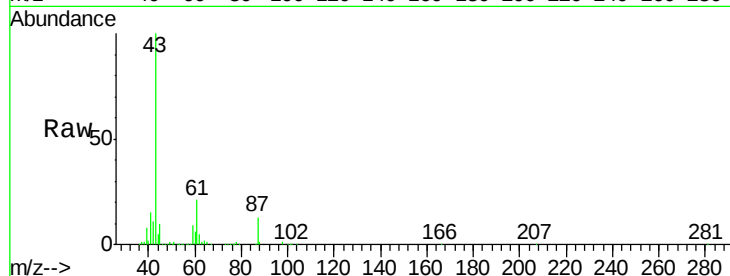
Tot Ion: 43 Resp: 563214

Ion Ratio Lower Upper

43 100

61 15.0 14.2 21.4

87 11.0 9.4 14.0

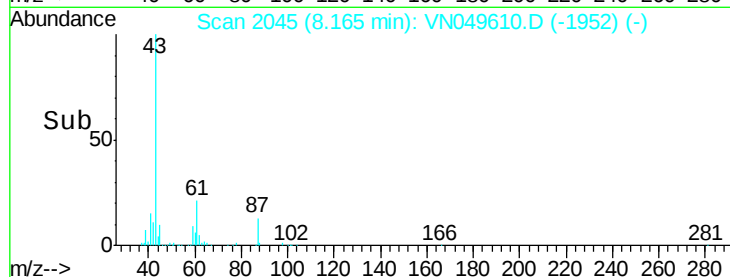


Abundance Ion 43.00 (42.70 to 43.70): VN049610.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049610.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049610.D (-1952) (-)

Time-->

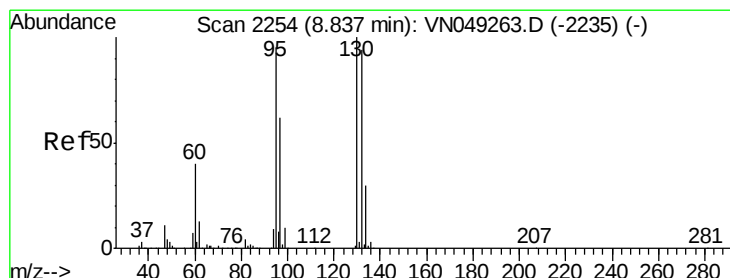


Abundance Ion 43.00 (42.70 to 43.70): VN049610.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049610.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049610.D (-1952) (-)

Time-->



#44

Trichloroethene

Concen: 20.88 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049610.D

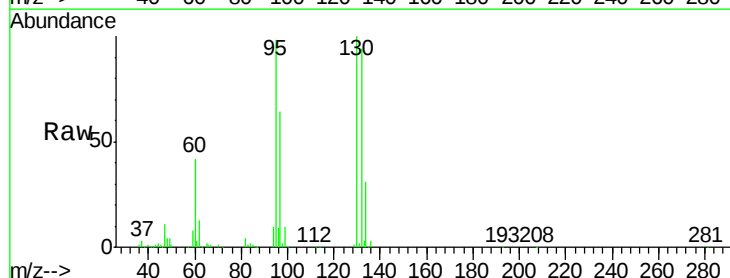
Acq: 29 Jun 2018 00:52

Tgt Ion: 130 Resp: 396479

Ion Ratio Lower Upper

130 100

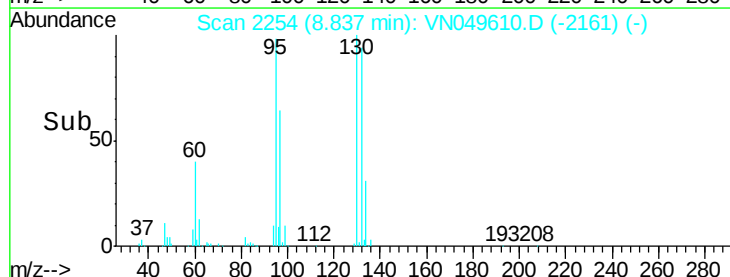
95 98.3 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049610.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049610.D (-2161) (-)

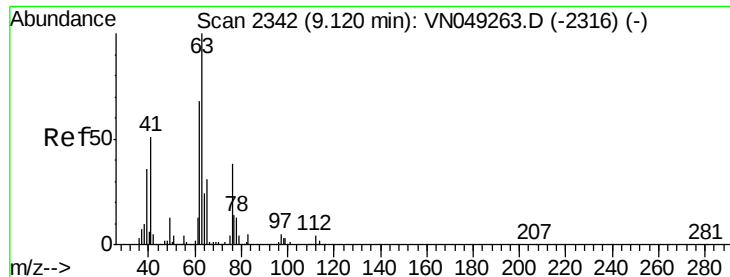
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN049610.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049610.D (-2161) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 18.58 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

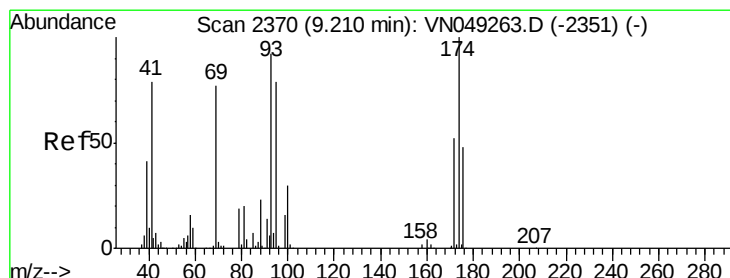
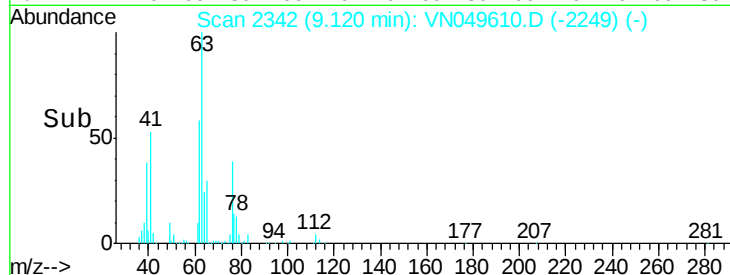
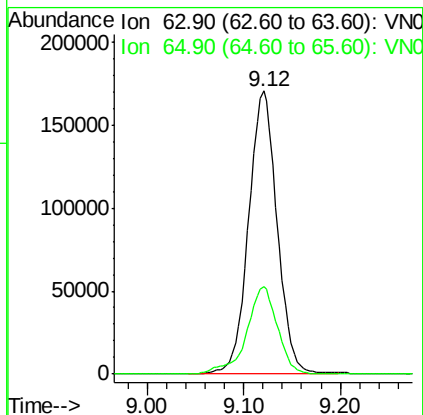
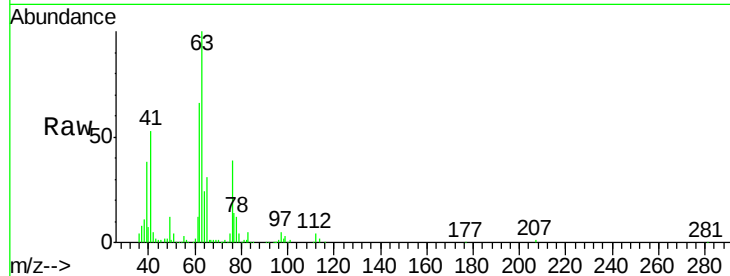
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 349864

Ion Ratio Lower Upper

63 100

65 31.1 24.8 37.2



#46

Dibromomethane

Concen: 18.54 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

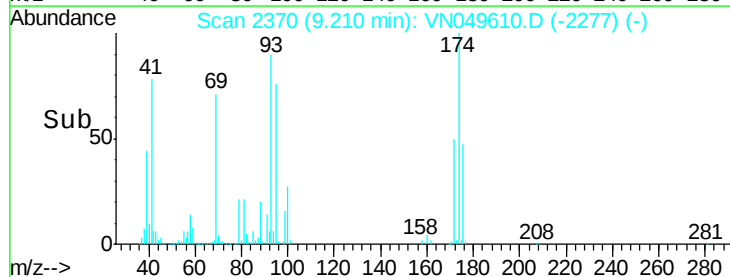
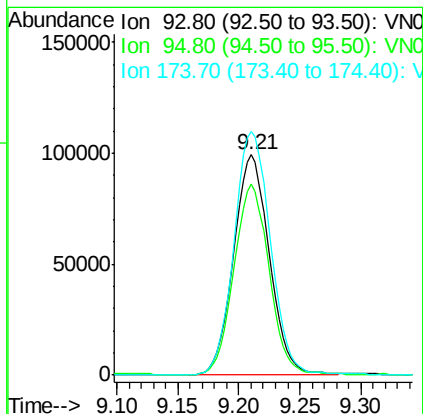
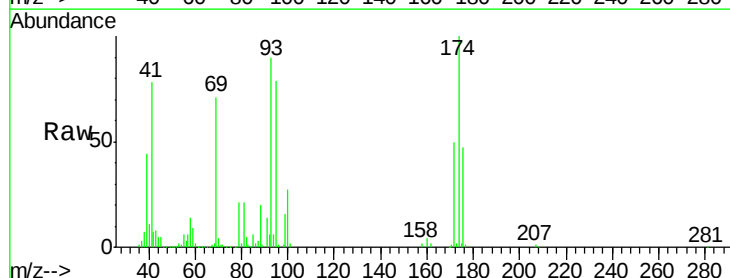
Tgt Ion: 93 Resp: 202453

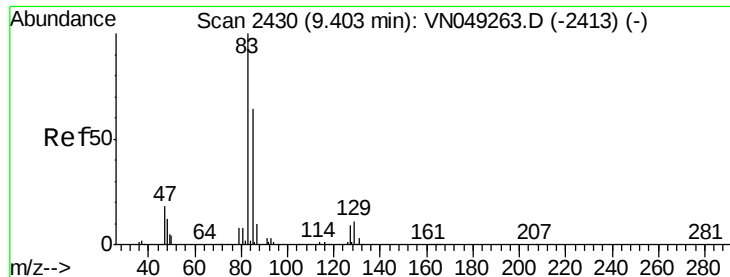
Ion Ratio Lower Upper

93 100

95 85.5 67.2 100.8

174 112.3 75.6 113.4





#47

Bromodichloromethane

Concen: 18.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampled :

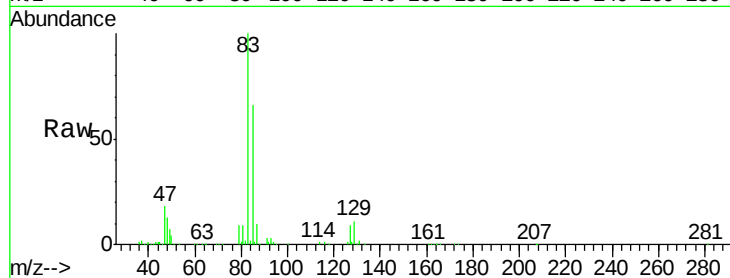
Tot Ion: 83 Resp: 436466

Ion Ratio Lower Upper

83 100

85 65.6 49.4 74.0

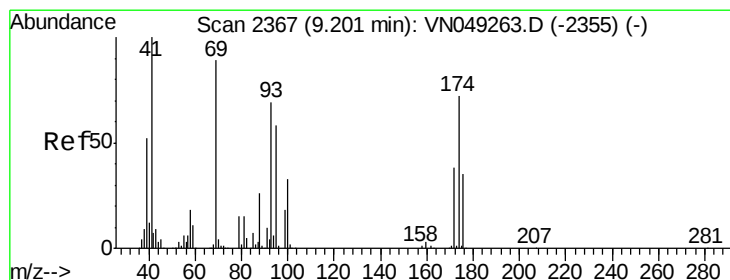
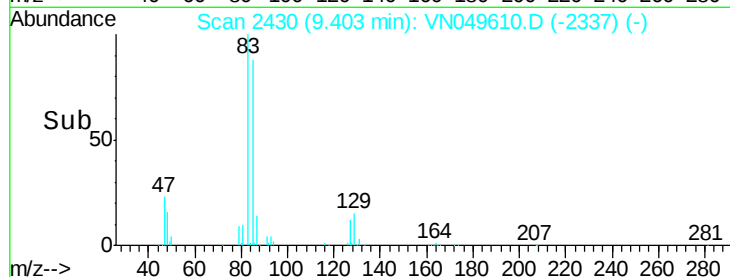
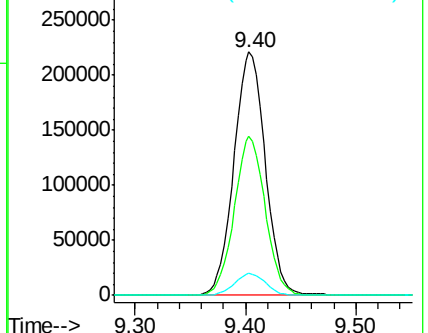
127 9.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049610.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049610.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049610.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.83 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

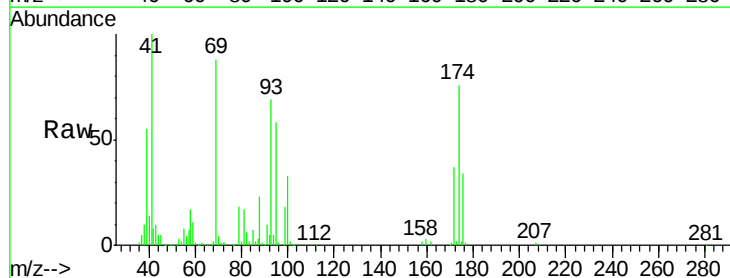
Tgt Ion: 41 Resp: 216055

Ion Ratio Lower Upper

41 100

69 89.5 62.0 93.0

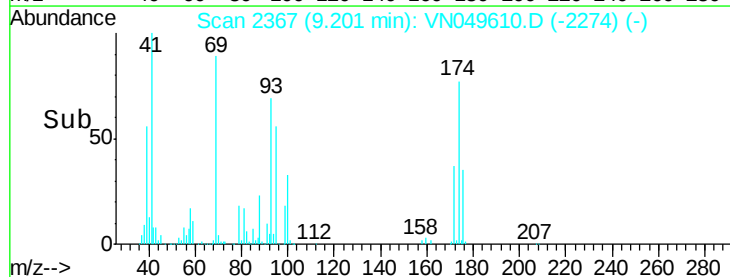
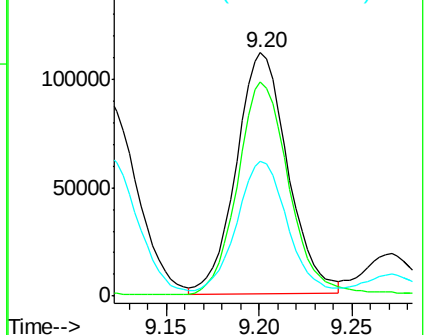
39 55.5 50.6 75.8

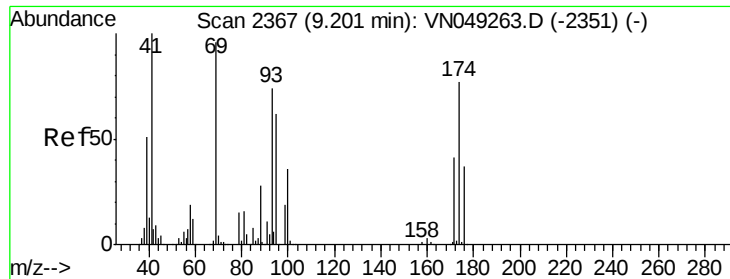


Abundance Ion 41.00 (40.70 to 41.70): VN049610.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049610.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049610.D (-2274) (-)

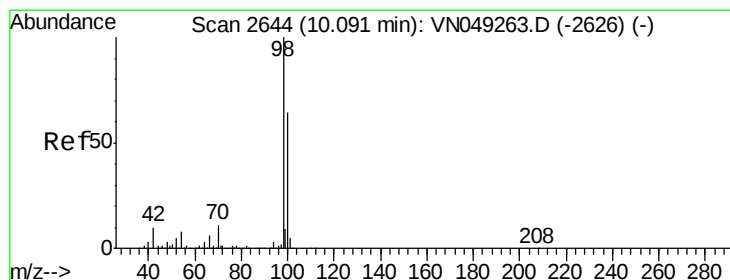
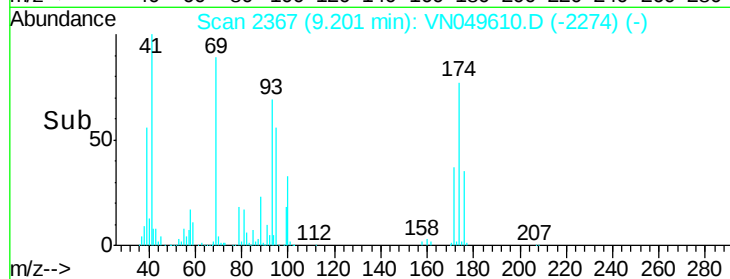
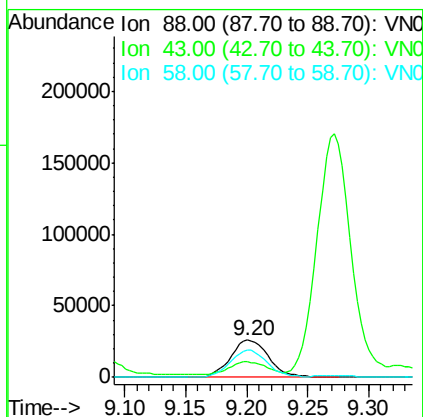
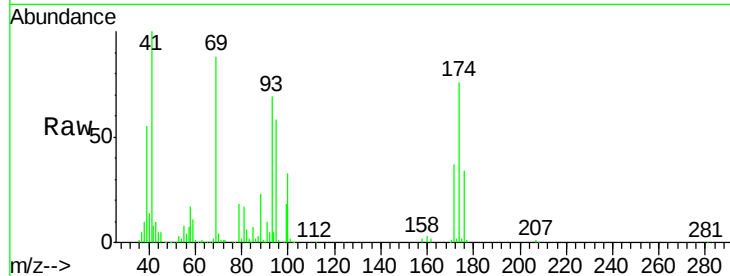




#49
1,4-Dioxane
Concen: 357.12 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

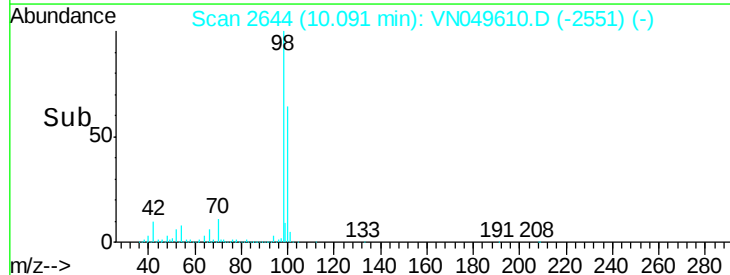
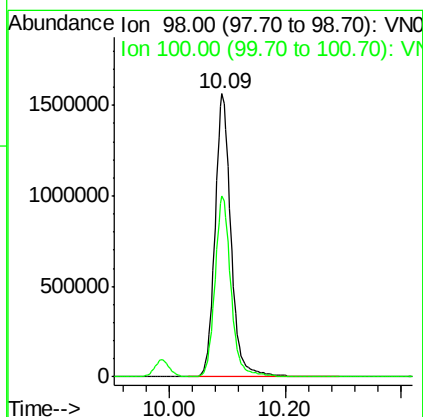
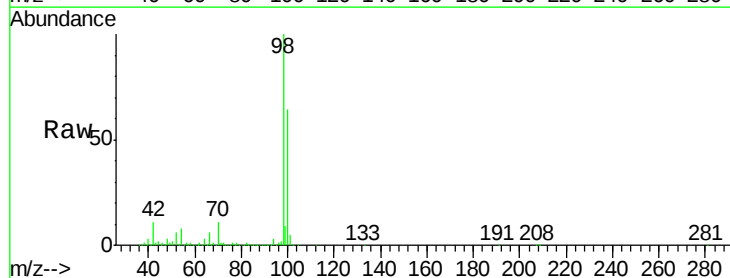
Instrument :
MSVOA_N
ClientSampleId :

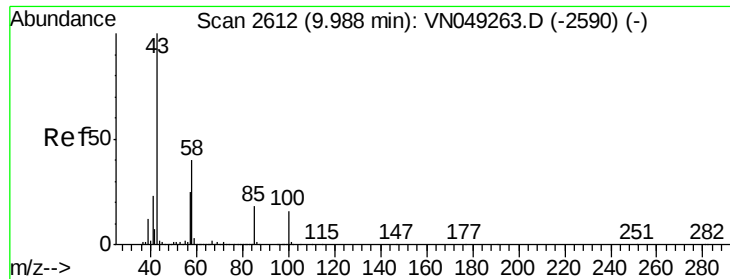
Tot Ion: 88 Resp: 56556
Ion Ratio Lower Upper
88 100
43 33.3 30.9 46.3
58 71.1 58.9 88.3



#50
Toluene-d8
Concen: 47.51 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 98 Resp: 2995349
Ion Ratio Lower Upper
98 100
100 64.3 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 91.93 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

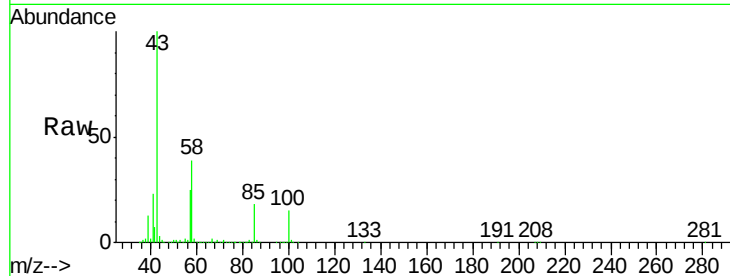
ClientSampleId :

Tot Ion: 43 Resp: 1174013

Ion Ratio Lower Upper

43 100

58 39.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

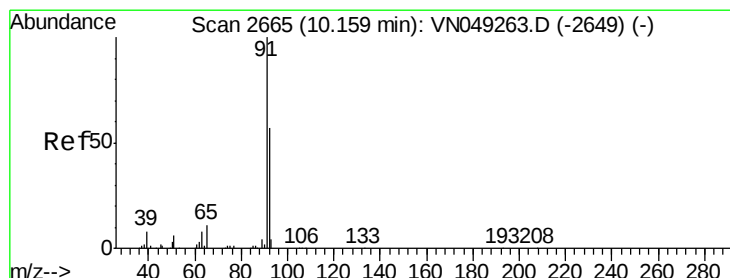
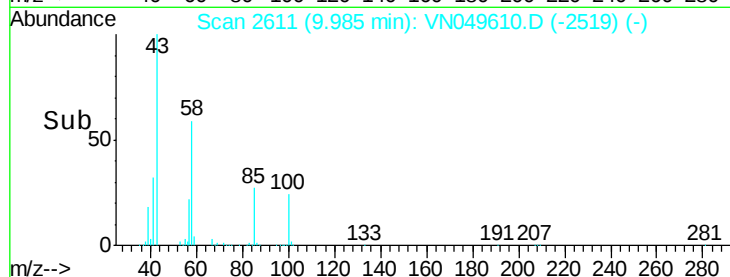
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 19.25 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049610.D

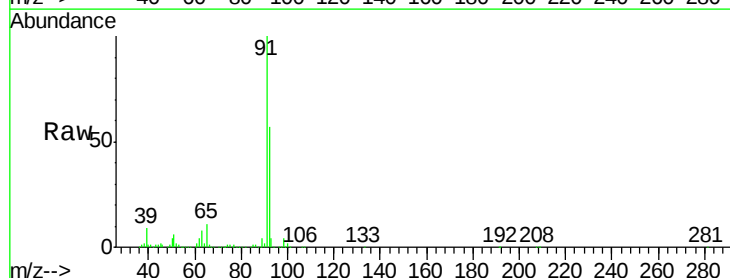
Acq: 29 Jun 2018 00:52

Tgt Ion: 92 Resp: 812548

Ion Ratio Lower Upper

92 100

91 175.8 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

10.16

800000

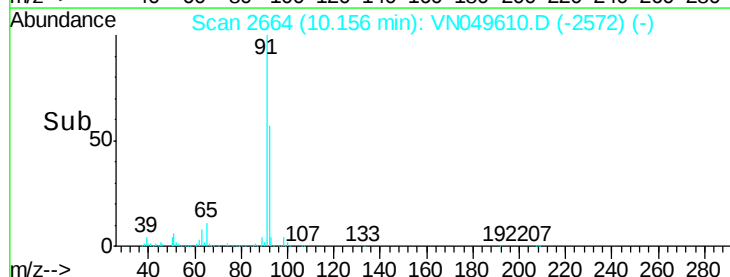
600000

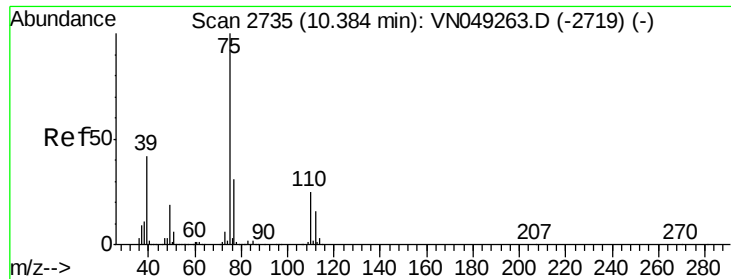
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.86 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

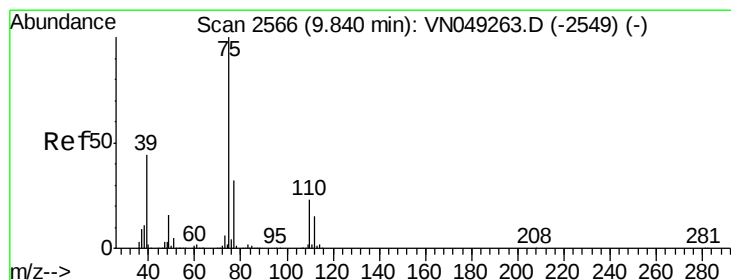
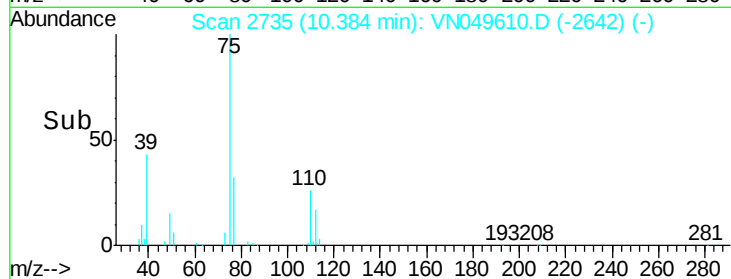
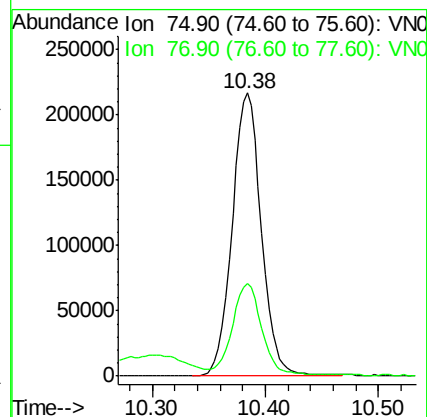
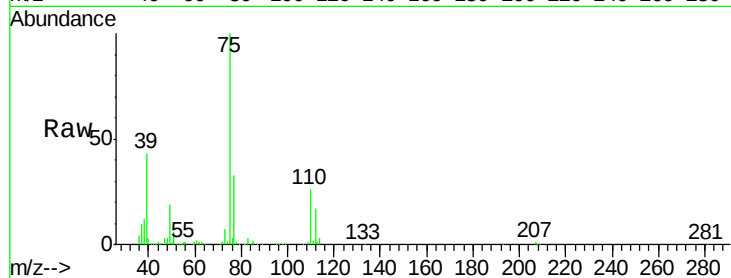
ClientSampleId :

Tot Ion: 75 Resp: 387011

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 17.28 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

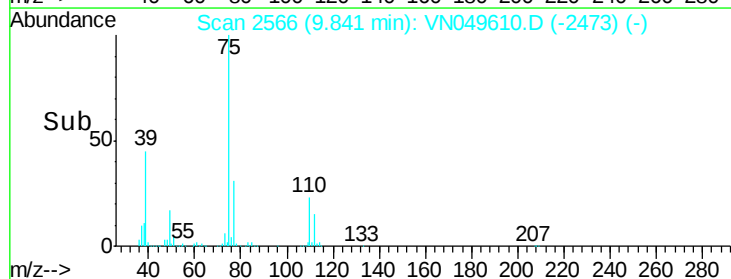
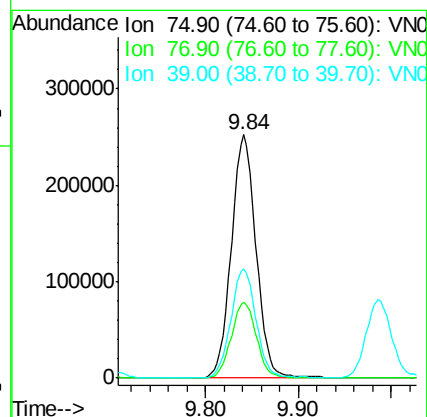
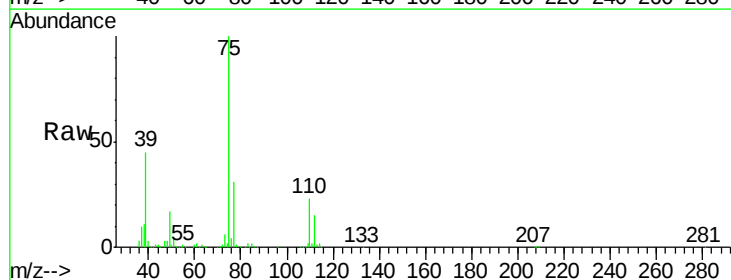
Tgt Ion: 75 Resp: 468248

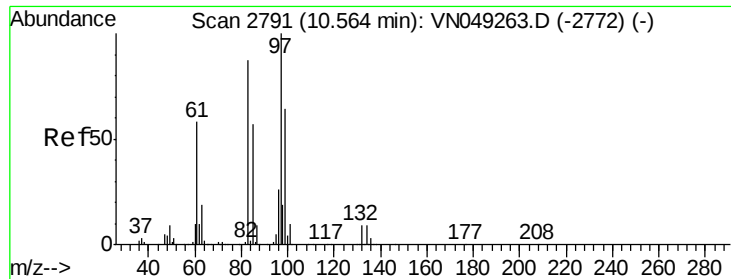
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 44.9 45.1 67.7#

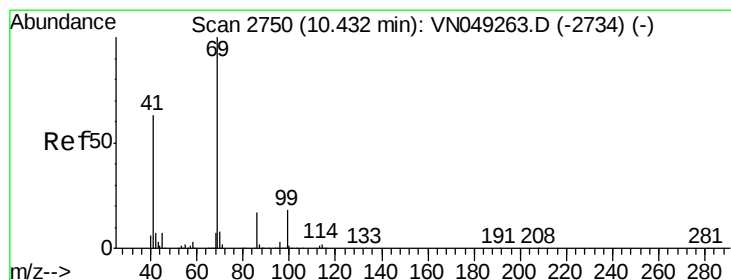
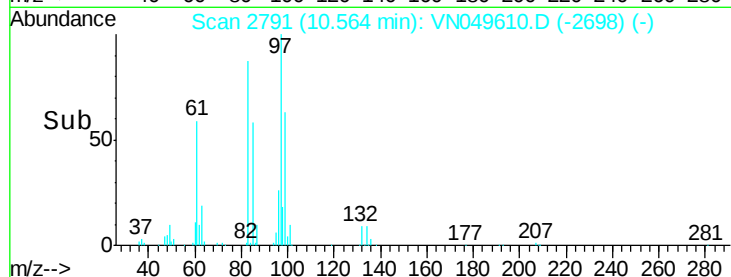
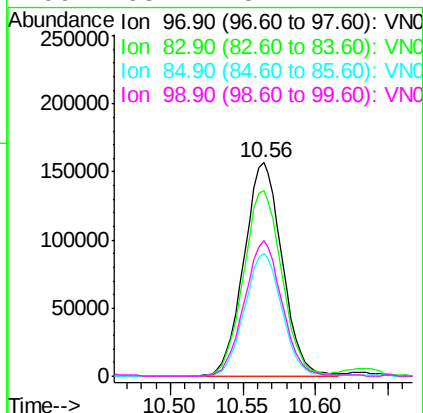
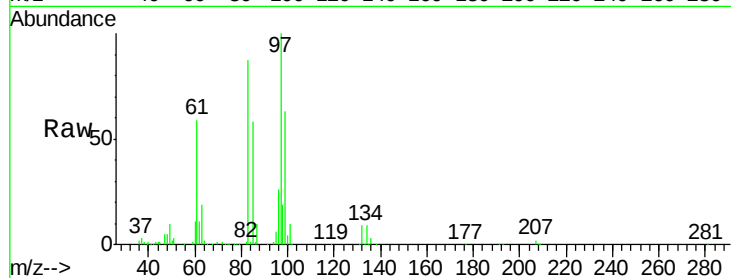




#55
 1,1,2-Trichloroethane
 Concen: 18.30 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

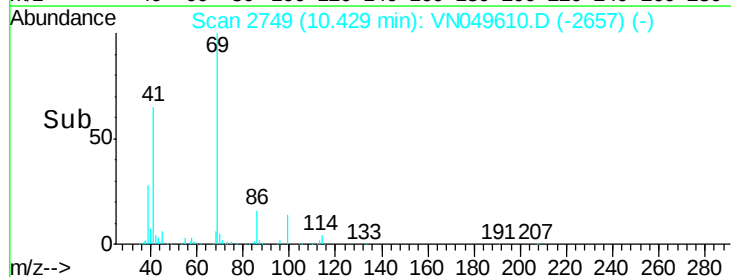
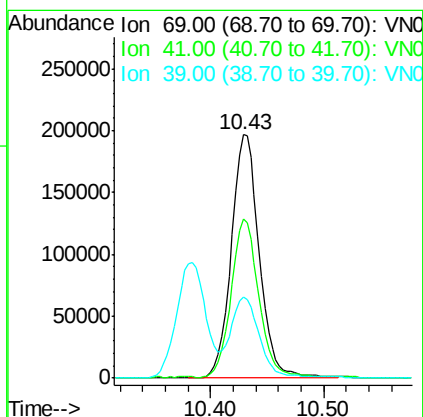
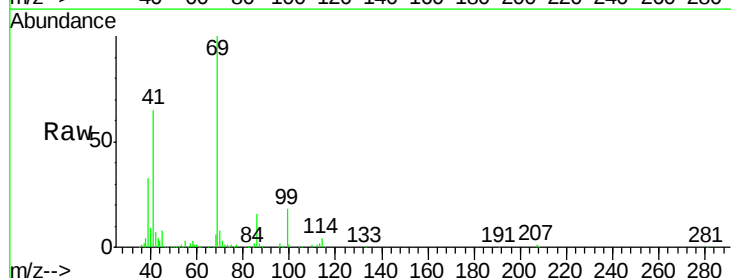
Instrument :
 MSVOA_N
 ClientSampleId :

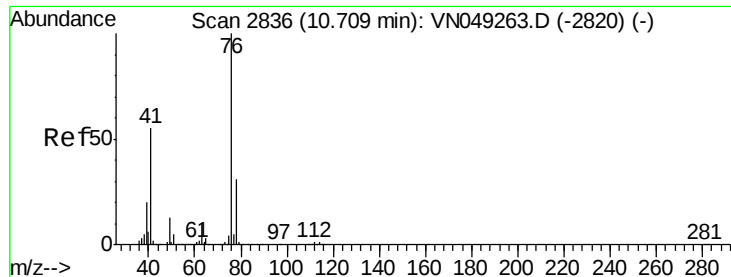
Tot Ion:	97	Resp:	288025
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	57.6	47.0	70.4
99	63.2	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 18.63 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion:	69	Resp:	338187
Ion	Ratio	Lower	Upper
69	100		
41	64.1	58.4	87.6
39	33.4	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 18.56 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

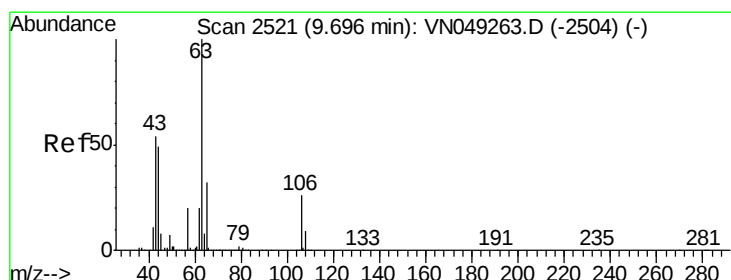
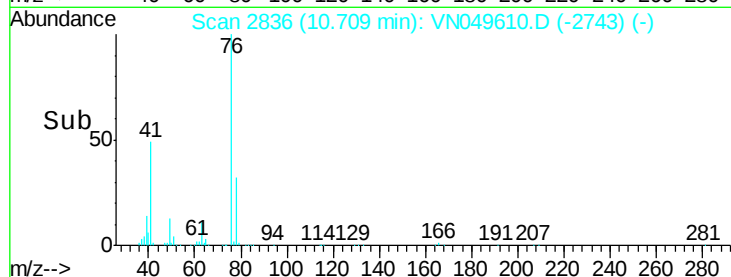
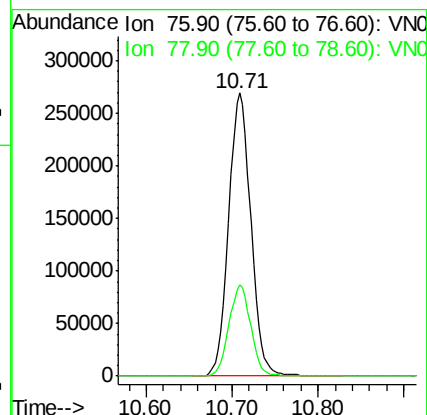
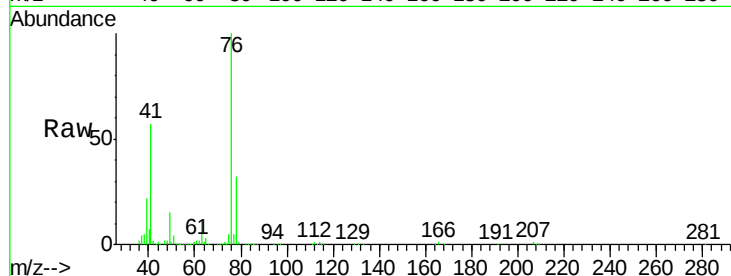
ClientSampleId :

Tot Ion: 76 Resp: 483732

Ion Ratio Lower Upper

76 100

78 31.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 127.26 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049610.D

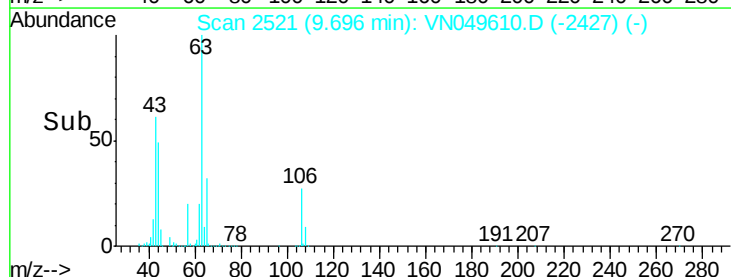
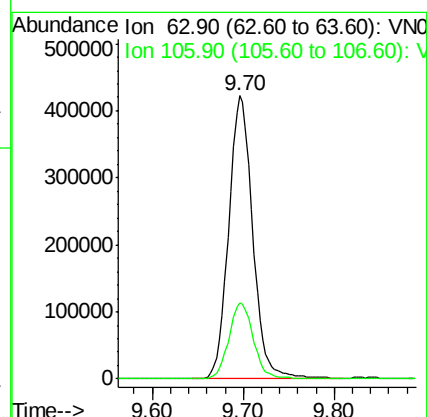
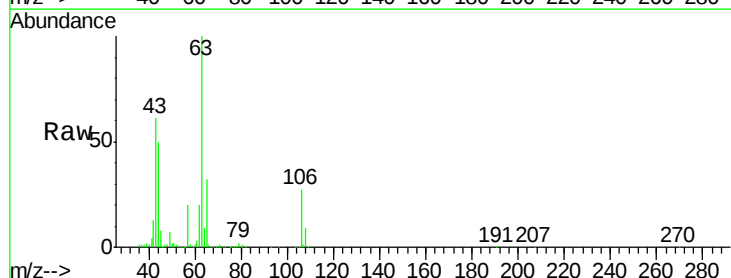
Acq: 29 Jun 2018 00:52

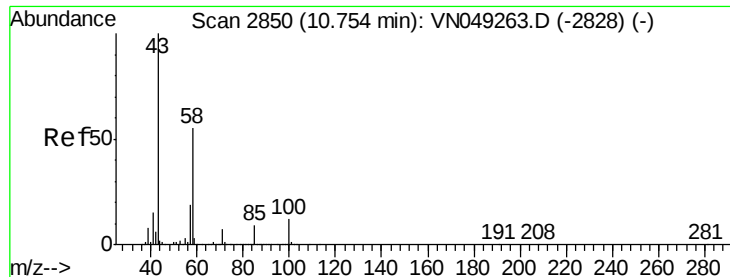
Tgt Ion: 63 Resp: 777508

Ion Ratio Lower Upper

63 100

106 27.4 19.4 29.2

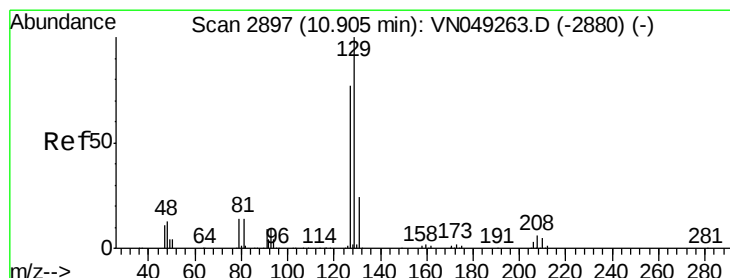
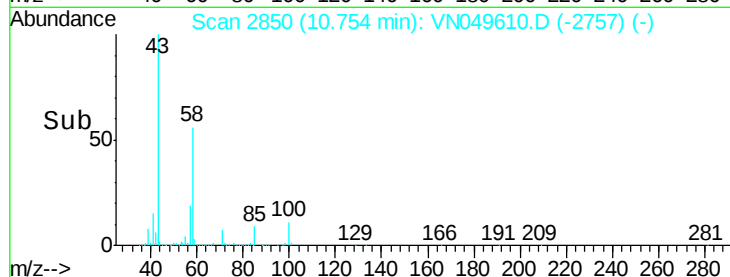
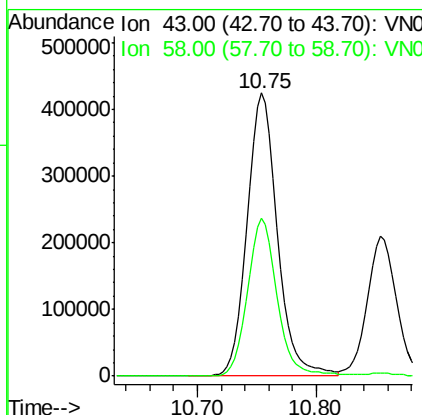
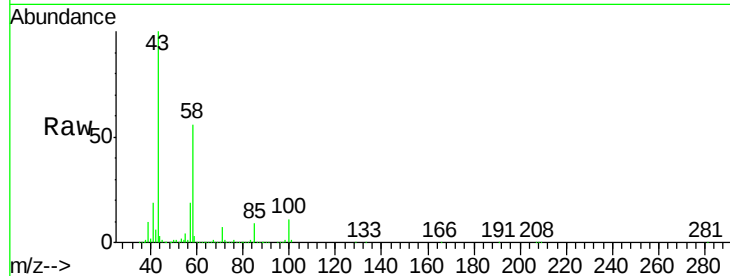




#59
2-Hexanone
Concen: 90.14 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

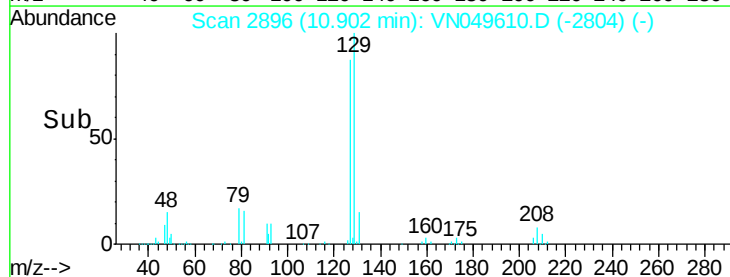
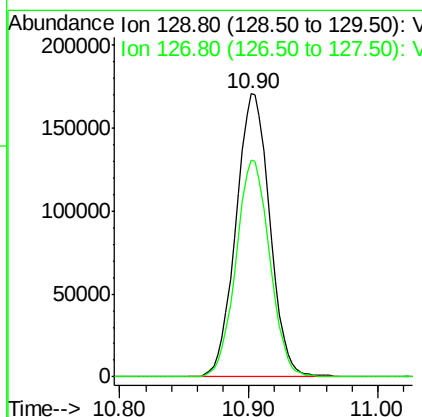
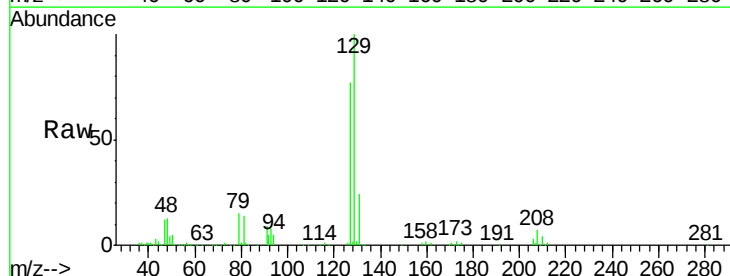
Instrument :
MSVOA_N
ClientSampleId :

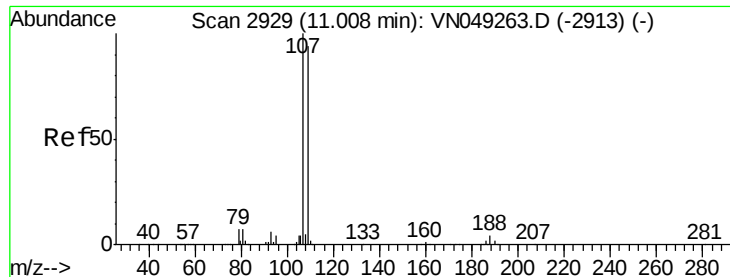
Tot Ion: 43 Resp: 742105
Ion Ratio Lower Upper
43 100
58 55.1 25.2 75.6



#60
Dibromochloromethane
Concen: 17.80 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 129 Resp: 312592
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

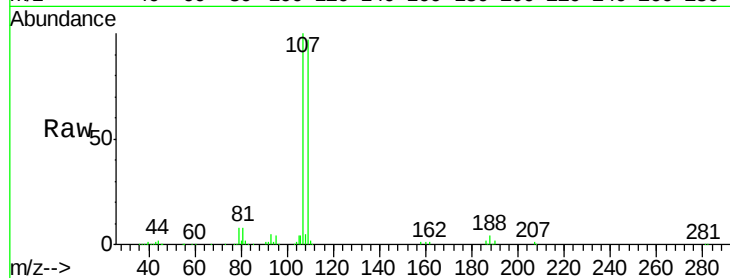
ClientSampleId :

Tot Ion: 107 Resp: 278646

Ion Ratio Lower Upper

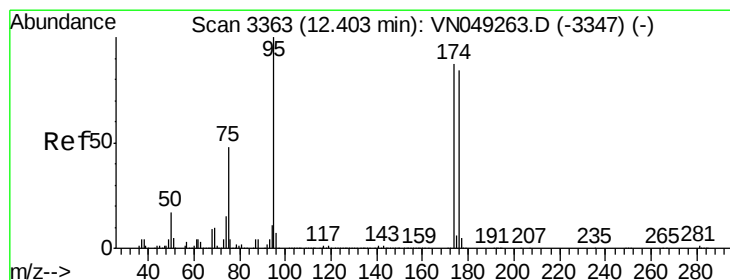
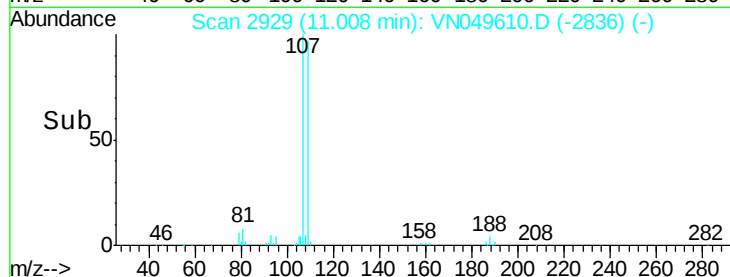
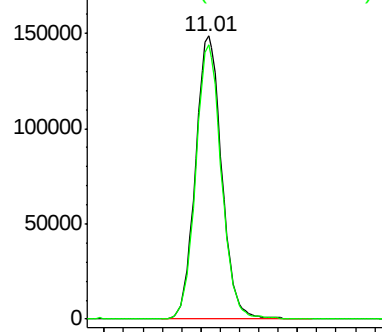
107 100

109 95.3 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

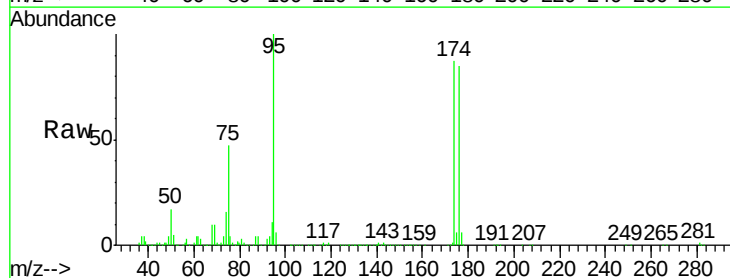
Tgt Ion: 95 Resp: 998234

Ion Ratio Lower Upper

95 100

174 88.7 0.0 165.6

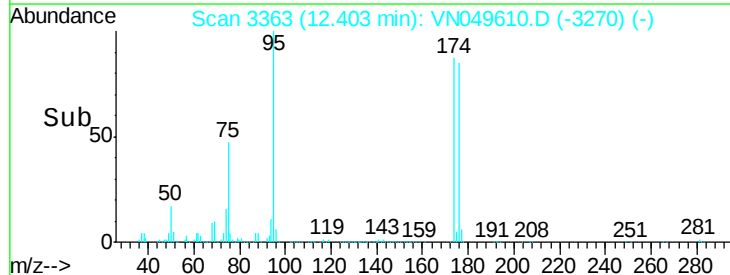
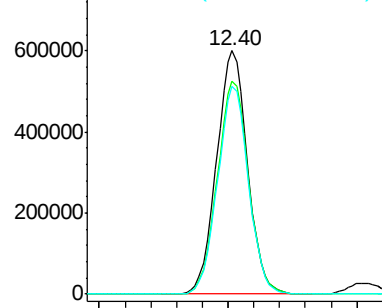
176 85.5 0.0 157.4

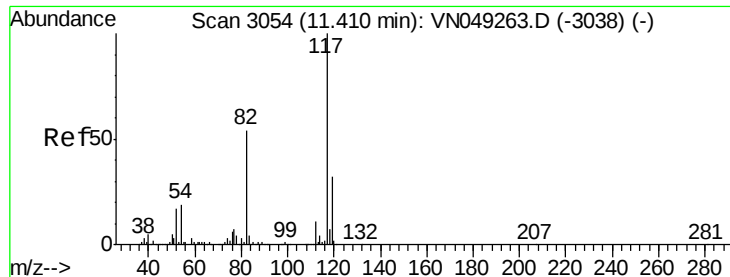


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

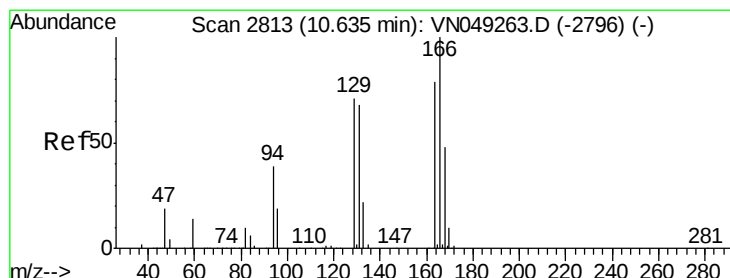
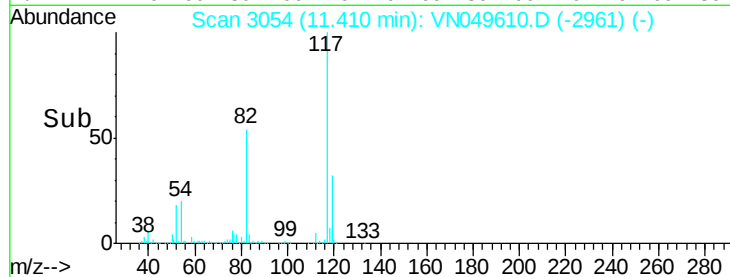
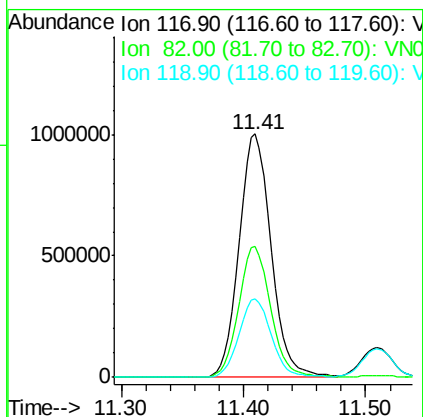
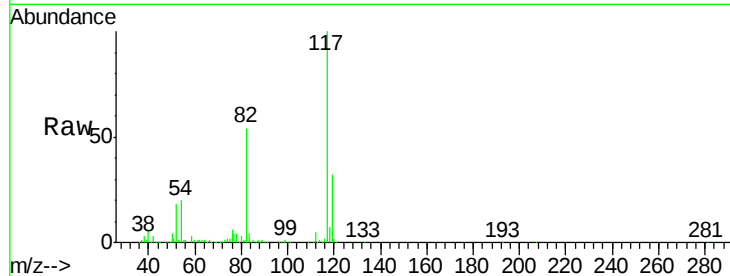




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

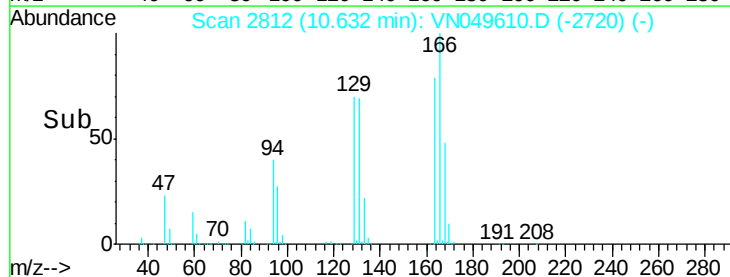
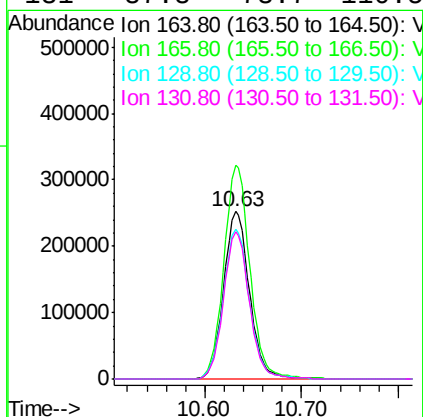
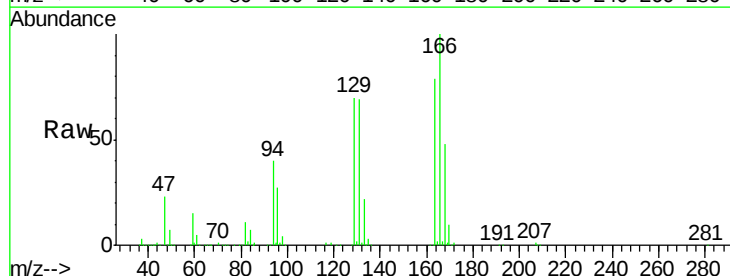
Instrument :
MSVOA_N
ClientSampleId :

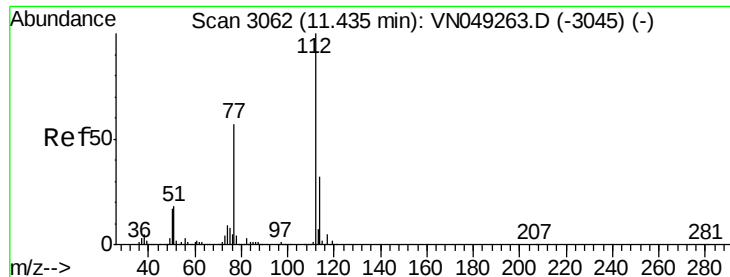
Tot Ion:117 Resp: 1817222
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 25.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion:164 Resp: 468432
Ion Ratio Lower Upper
164 100
166 127.4 101.4 152.2
129 89.4 74.1 111.1
131 87.8 73.7 110.5





#65

Chlorobenzene

Concen: 18.52 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

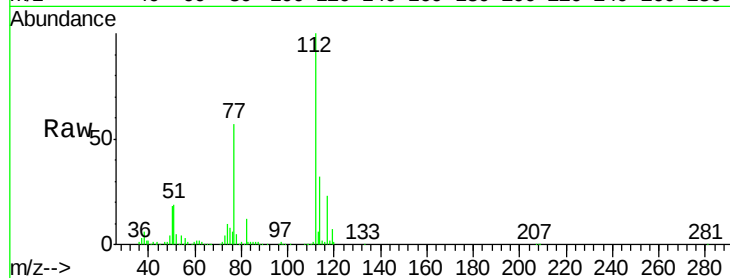
ClientSampled :

Tot Ion:112 Resp: 866770

Ion Ratio Lower Upper

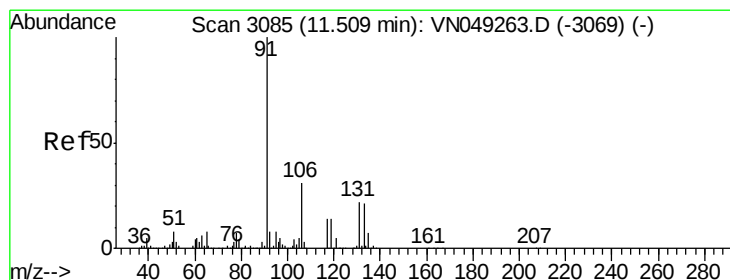
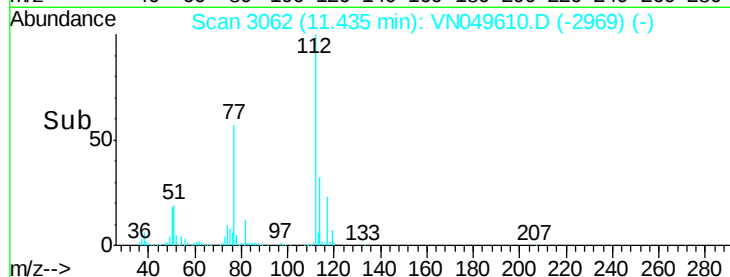
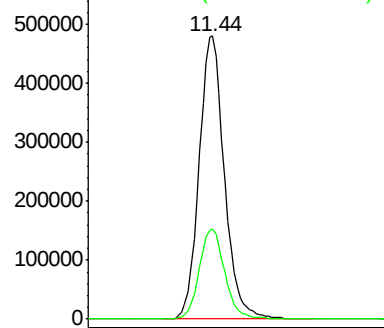
112 100

114 31.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.98 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

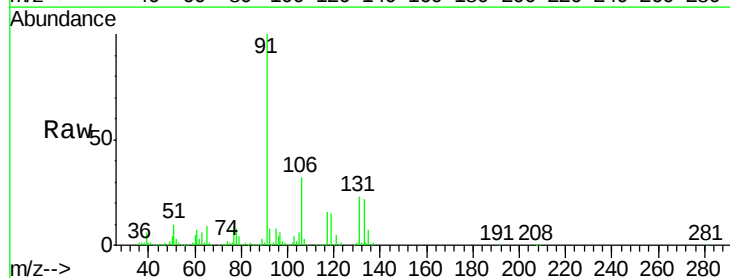
Tgt Ion:131 Resp: 316701

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.2

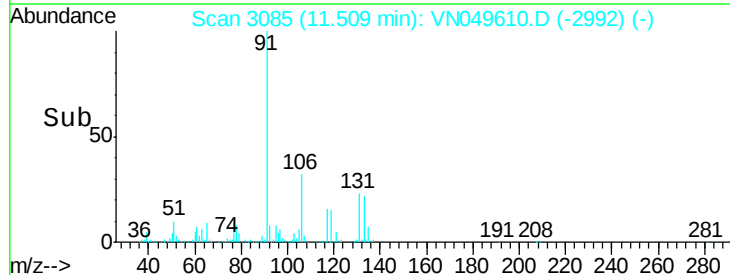
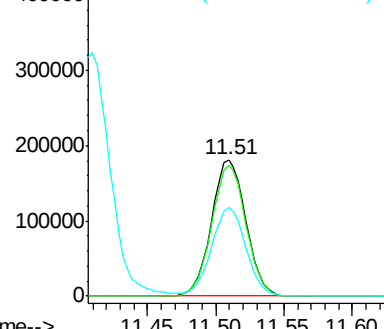
119 65.2 33.6 100.8

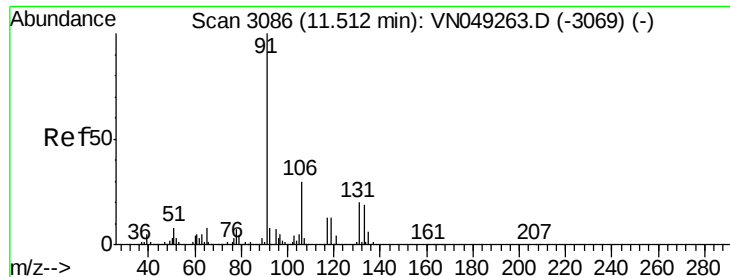


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

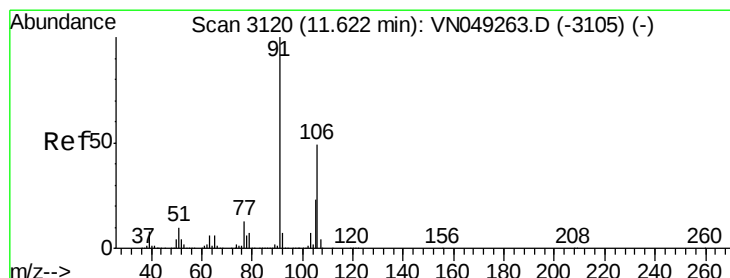
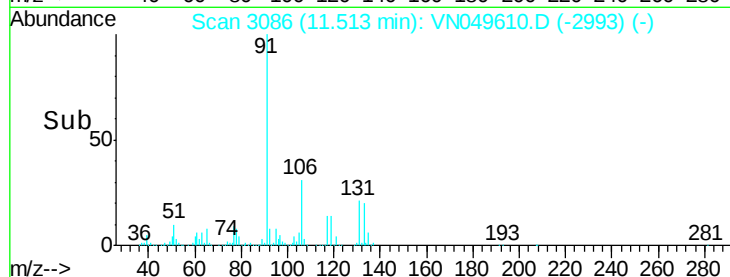
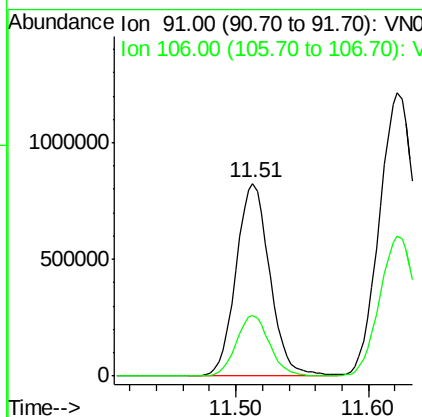
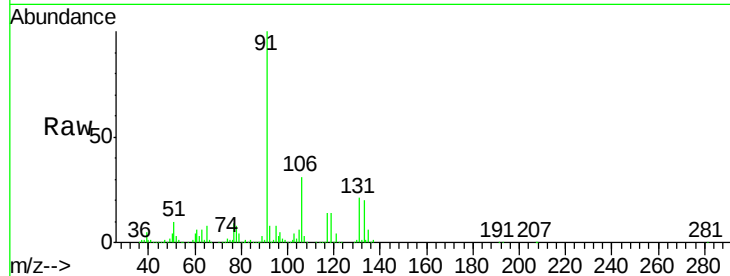




#67
Ethyl Benzene
Concen: 18.81 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

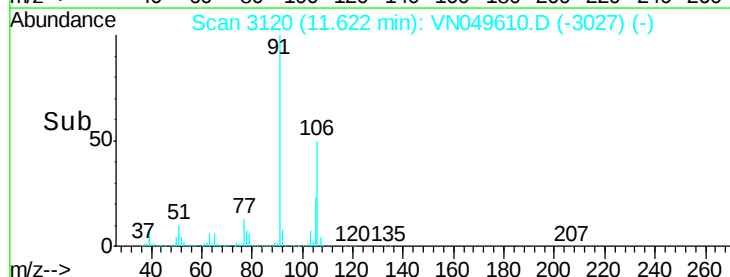
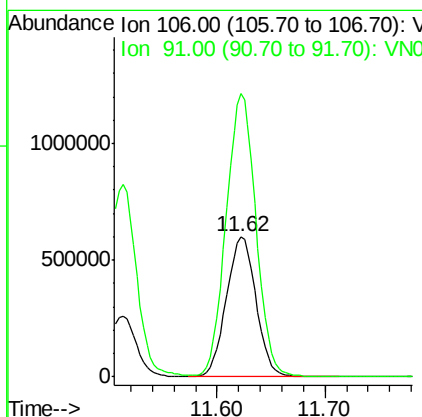
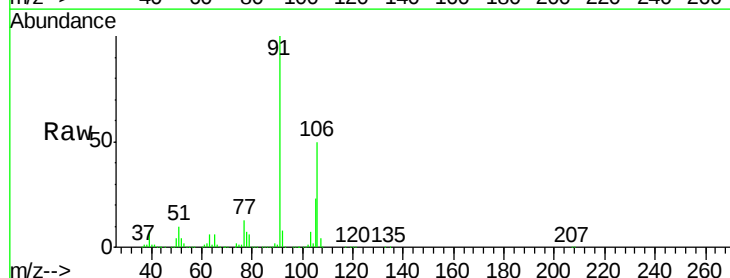
Instrument :
MSVOA_N
ClientSampled :

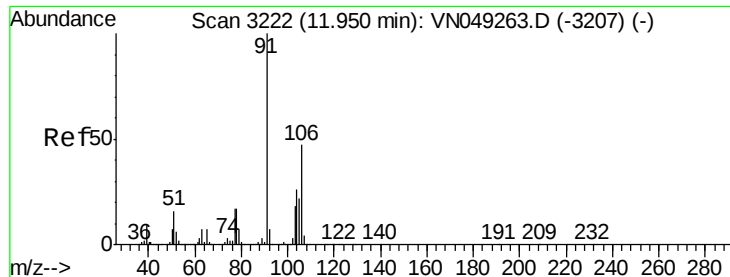
Tot Ion: 91 Resp: 1460588
Ion Ratio Lower Upper
91 100
106 31.4 23.9 35.9



#68
m/p-Xylenes
Concen: 39.57 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 106 Resp: 1153188
Ion Ratio Lower Upper
106 100
91 202.5 167.3 250.9

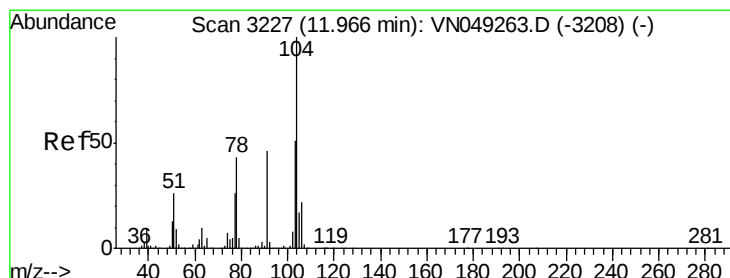
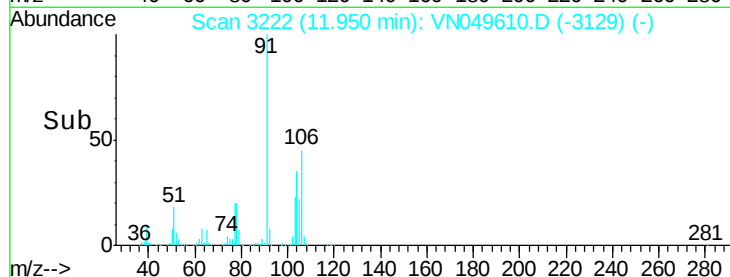
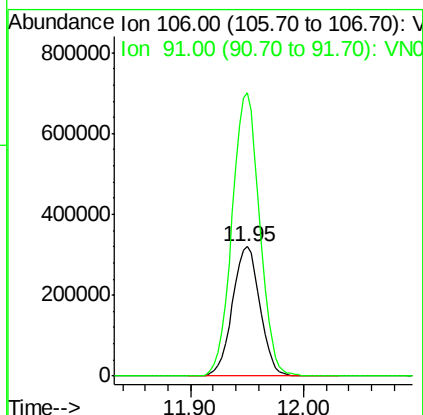
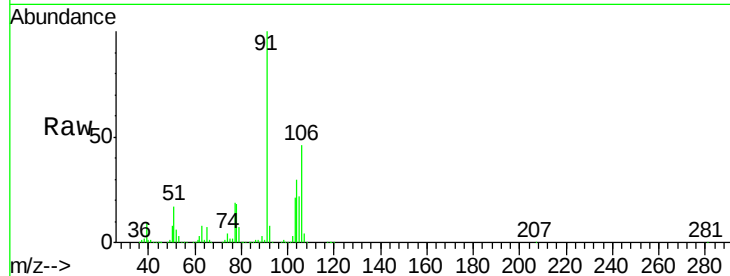




#69
o-Xylene
Concen: 19.29 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

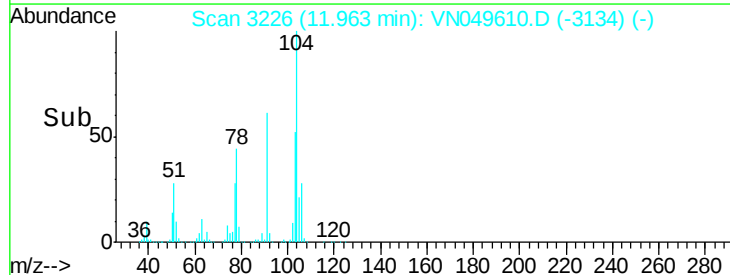
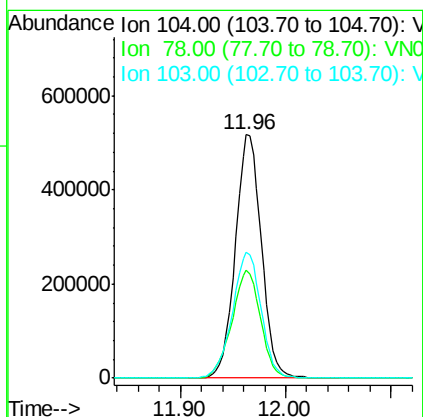
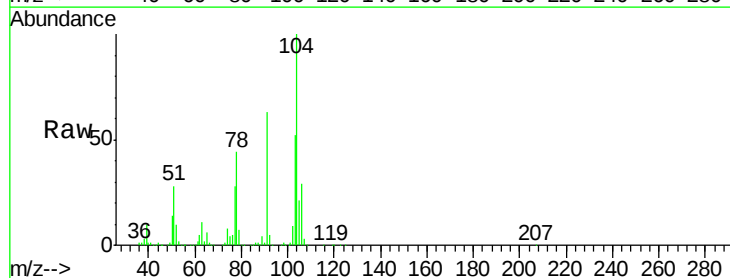
Instrument :
MSVOA_N
ClientSampleId :

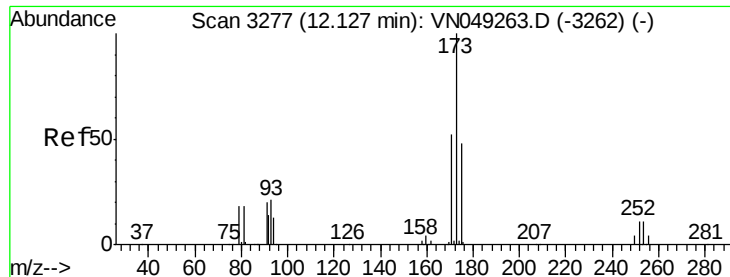
Tot Ion:106 Resp: 541411
Ion Ratio Lower Upper
106 100
91 219.5 111.0 333.0



#70
Styrene
Concen: 20.02 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion:104 Resp: 886399
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 56.6 45.4 68.2





#71

Bromoform

Concen: 17.31 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

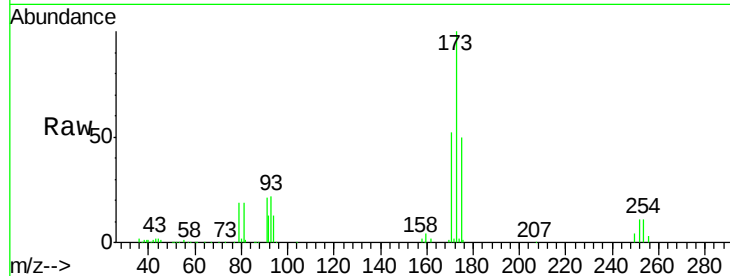
Tot Ion:173 Resp: 197355

Ion Ratio Lower Upper

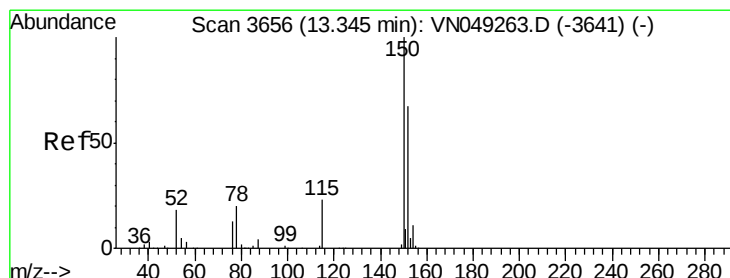
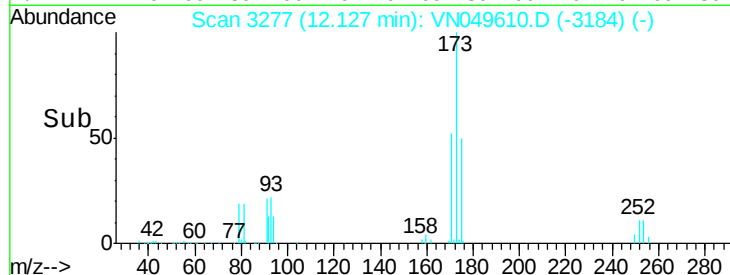
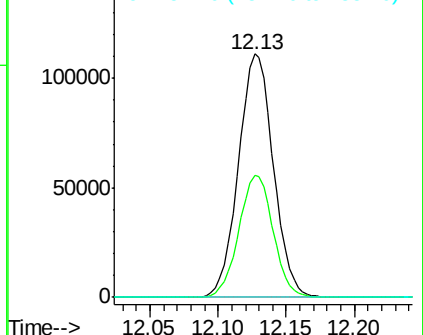
173 100

175 49.4 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

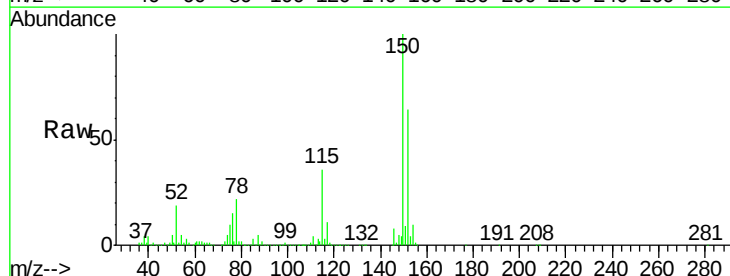
Tgt Ion:152 Resp: 944017

Ion Ratio Lower Upper

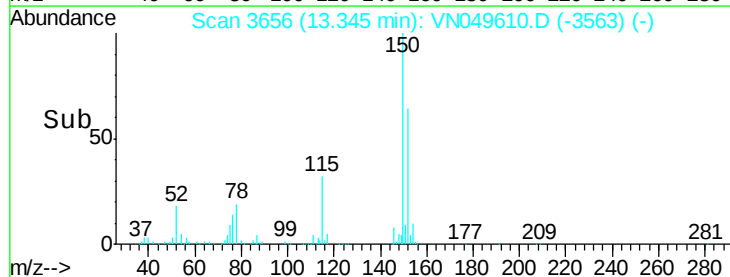
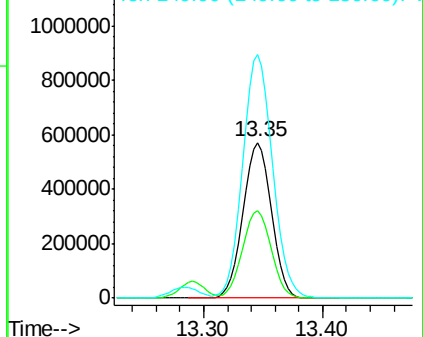
152 100

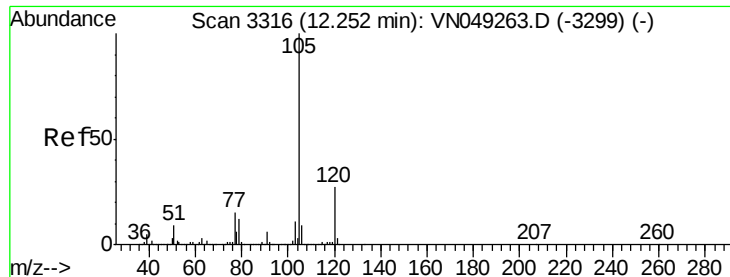
115 56.7 28.7 86.1

150 164.5 0.0 351.0



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





#73

Isopropylbenzene

Concen: 17.28 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

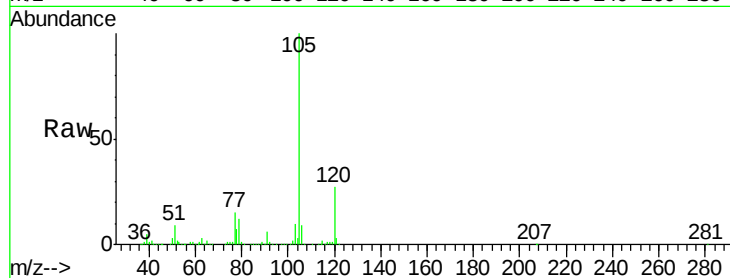
ClientSampled :

Tot Ion:105 Resp: 1432144

Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

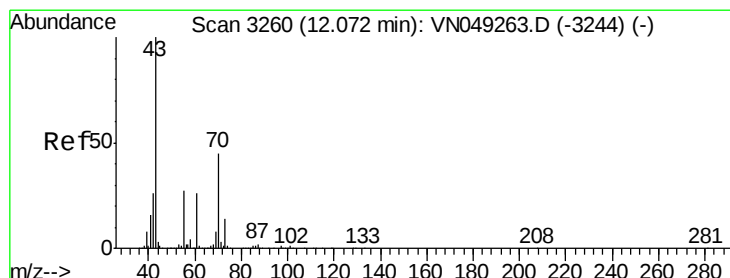
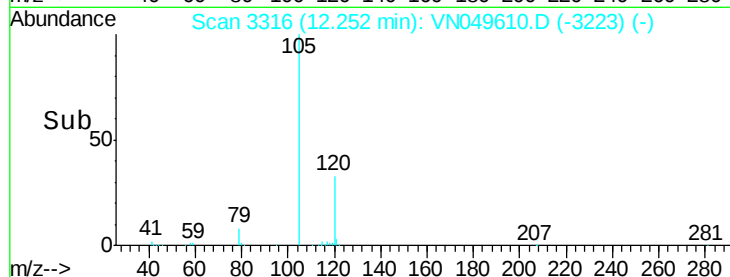
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.00 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion: 43 Resp: 365504

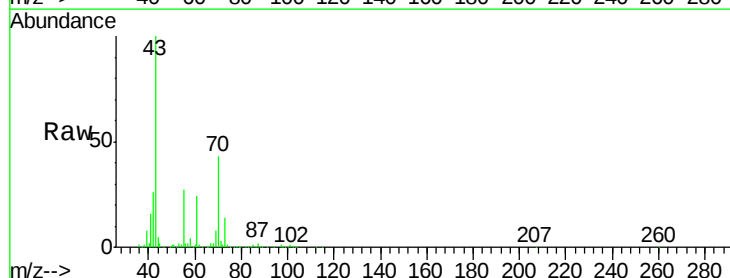
Ion Ratio Lower Upper

43 100

70 44.1 30.3 45.5

55 26.0 19.4 29.2

61 23.9 17.8 26.6



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

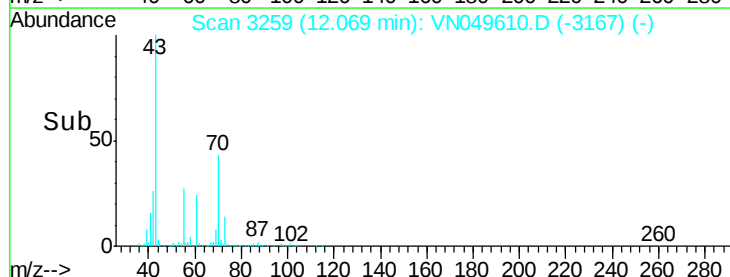
300000

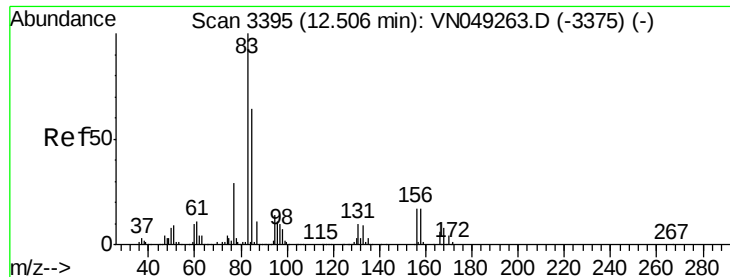
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

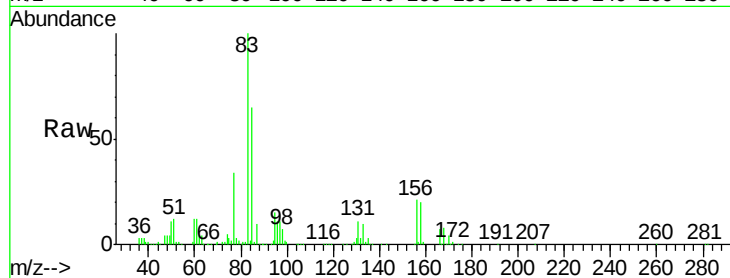
Tot Ion: 83 Resp: 308781

Ion Ratio Lower Upper

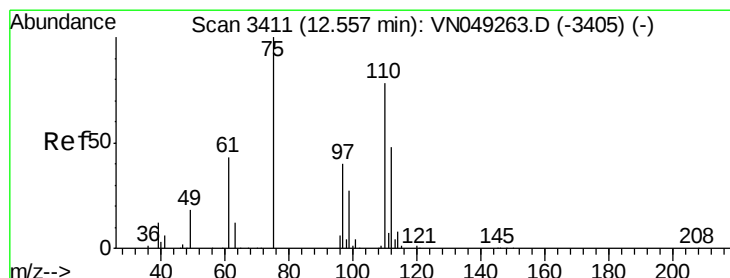
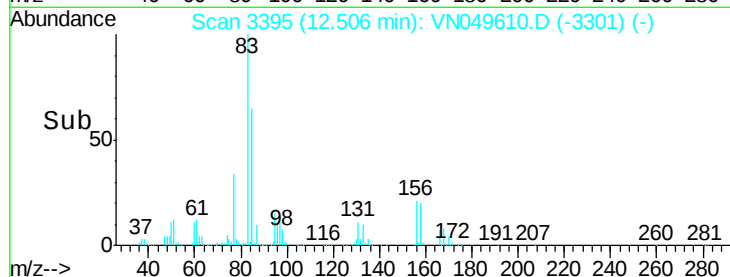
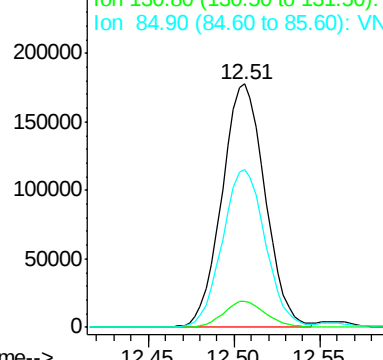
83 100

131 10.6 5.0 15.0

85 64.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049610.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 24.70 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049610.D

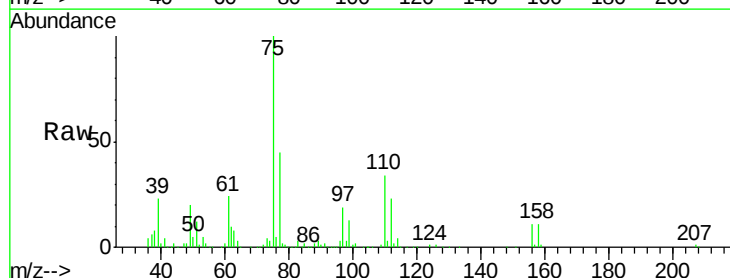
Acq: 29 Jun 2018 00:52

Tgt Ion: 75 Resp: 397872

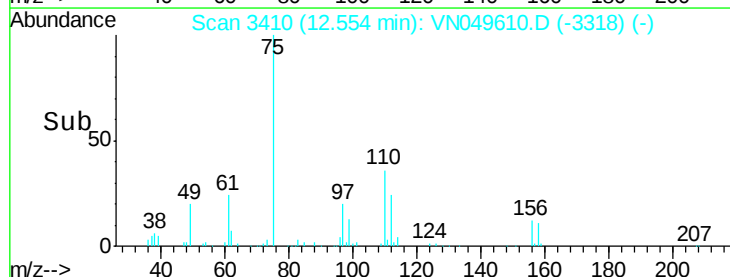
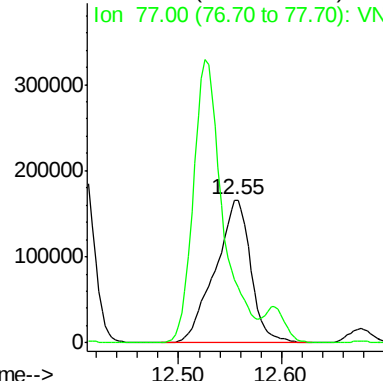
Ion Ratio Lower Upper

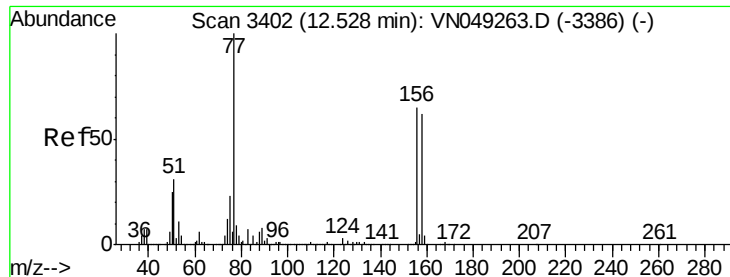
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049610.D (-3318) (-)





#77

Bromobenzene

Concen: 17.06 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

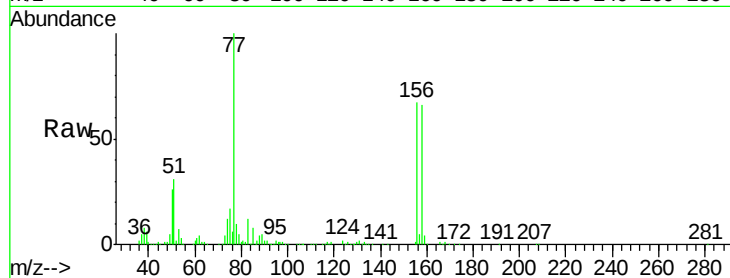
Tot Ion:156 Resp: 373490

Ion Ratio Lower Upper

156 100

77 175.2 100.8 302.4

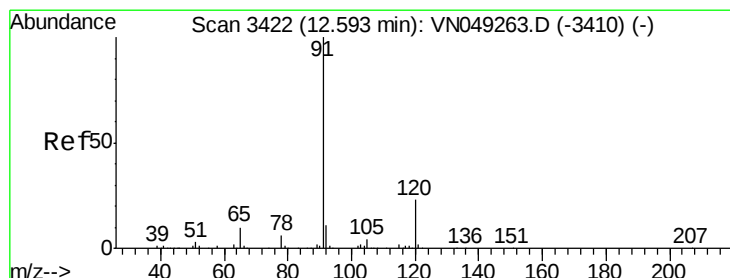
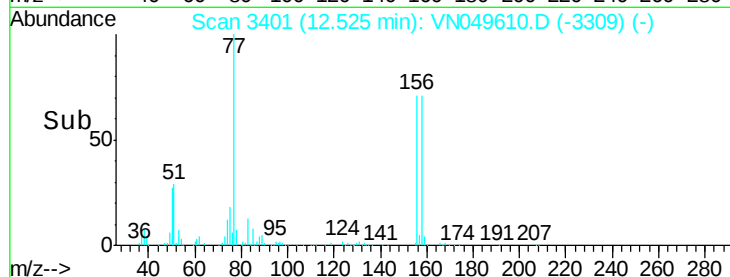
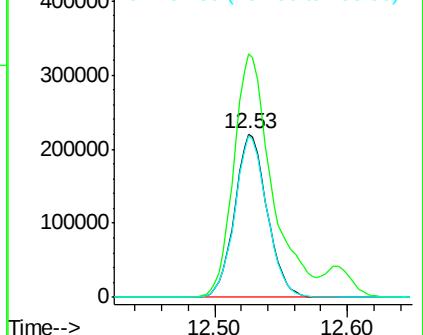
158 98.2 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049610.D

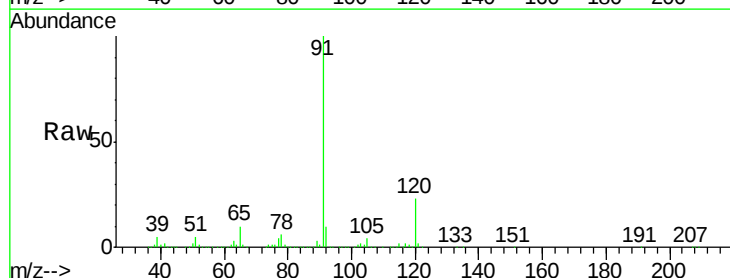
Acq: 29 Jun 2018 00:52

Tgt Ion: 91 Resp: 1661823

Ion Ratio Lower Upper

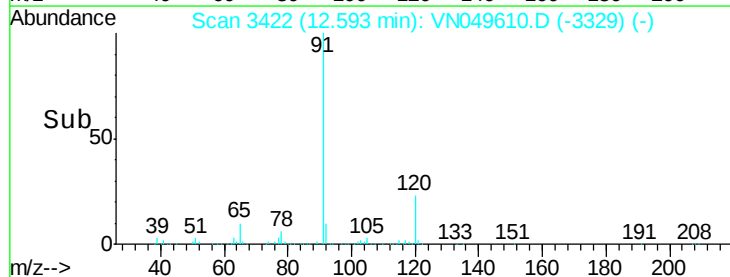
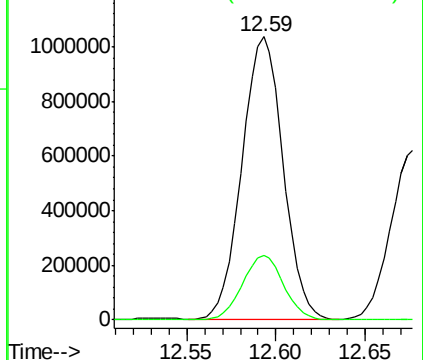
91 100

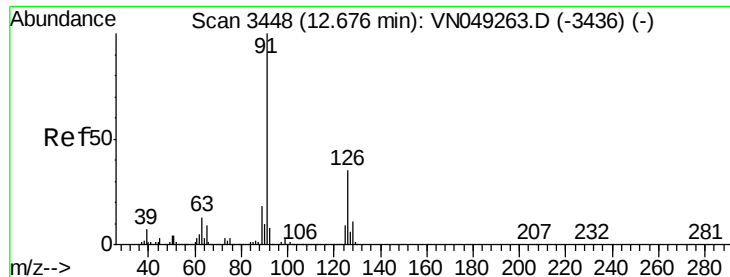
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

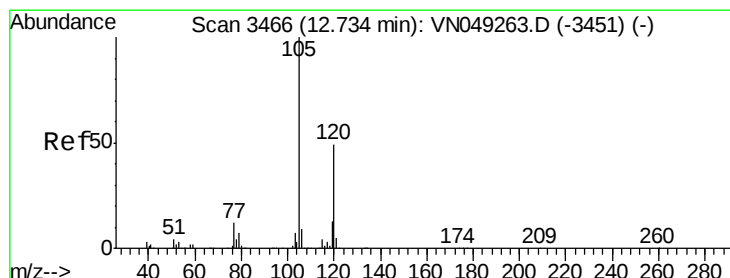
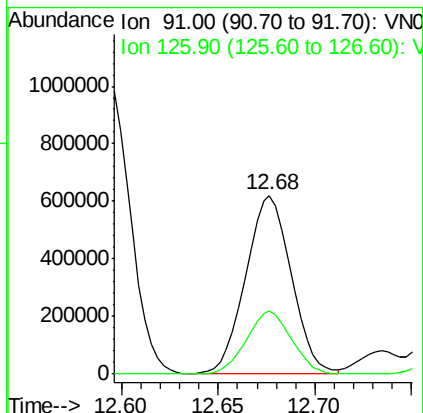
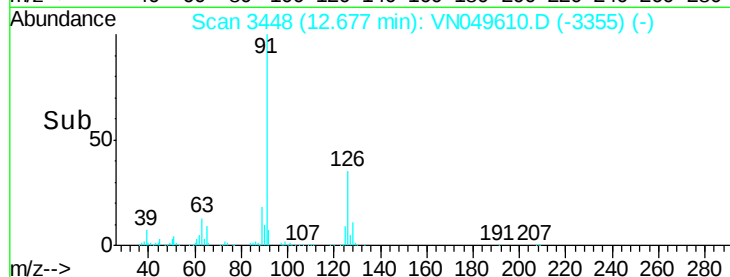
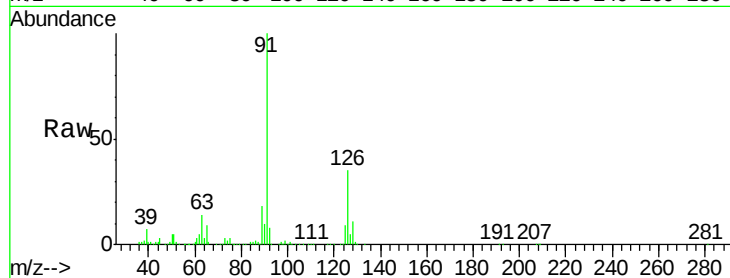
ClientSampled :

Tot Ion: 91 Resp: 1013985

Ion Ratio Lower Upper

91 100

126 35.1 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 18.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049610.D

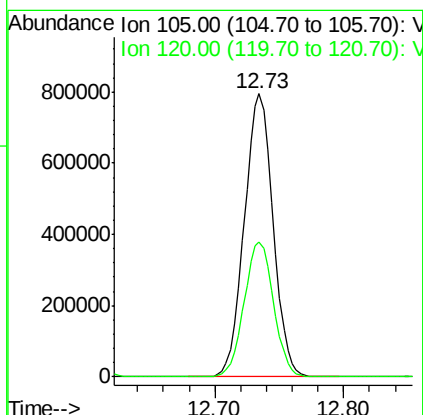
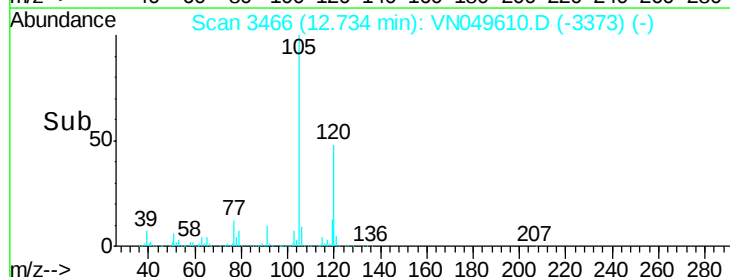
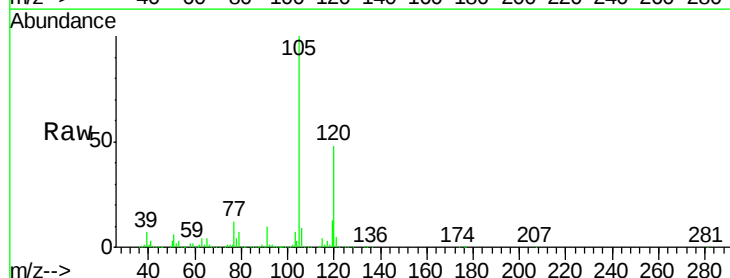
Acq: 29 Jun 2018 00:52

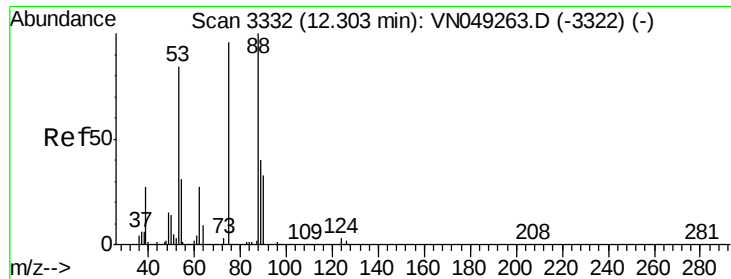
Tgt Ion: 105 Resp: 1228266

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 13.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

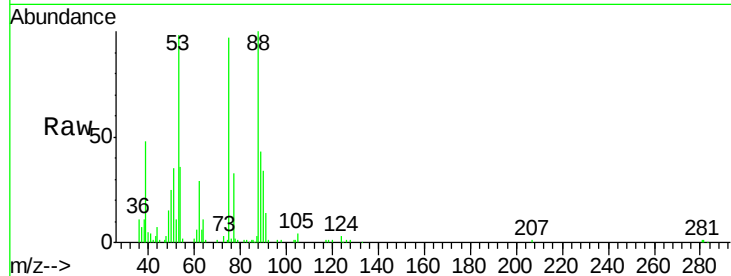
Tot Ion: 75 Resp: 69171

Ion Ratio Lower Upper

75 100

53 99.2 82.7 124.1

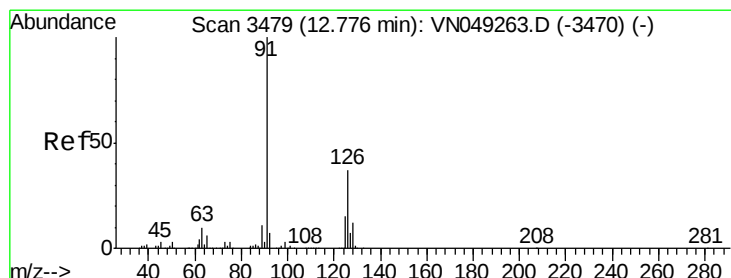
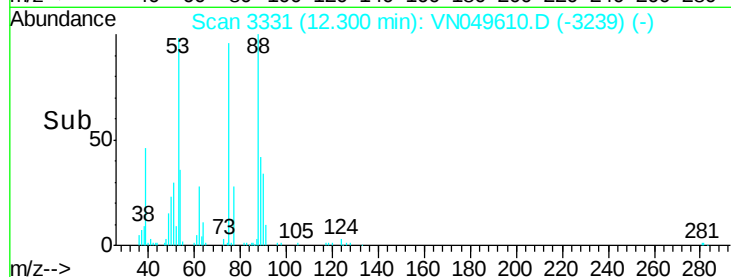
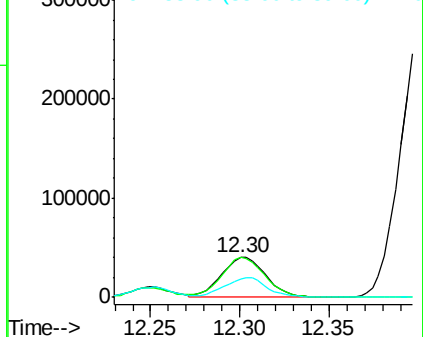
89 47.3 36.5 54.7



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: 18.25 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049610.D

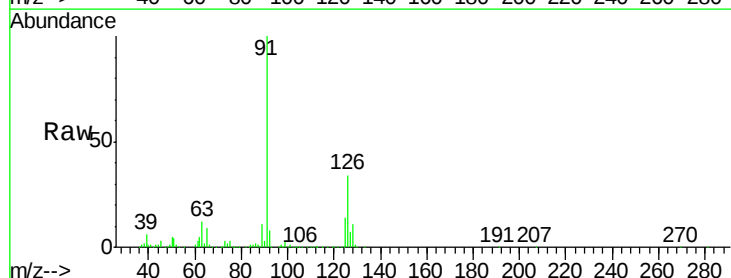
Acq: 29 Jun 2018 00:52

Tgt Ion: 91 Resp: 1015500

Ion Ratio Lower Upper

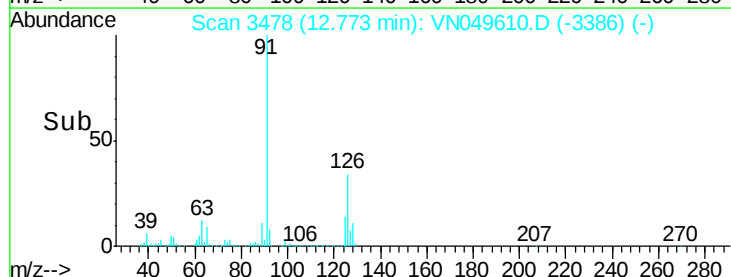
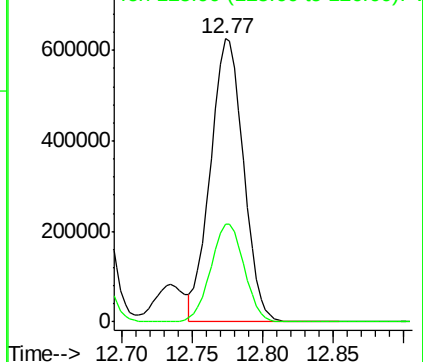
91 100

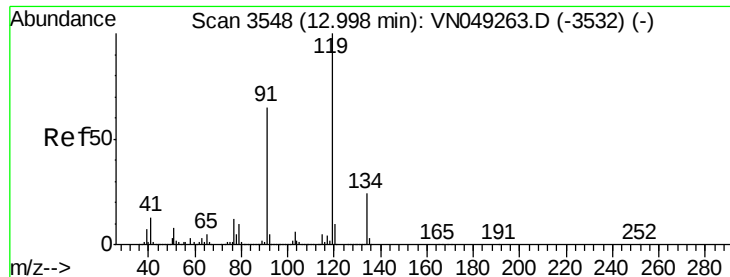
126 34.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.53 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

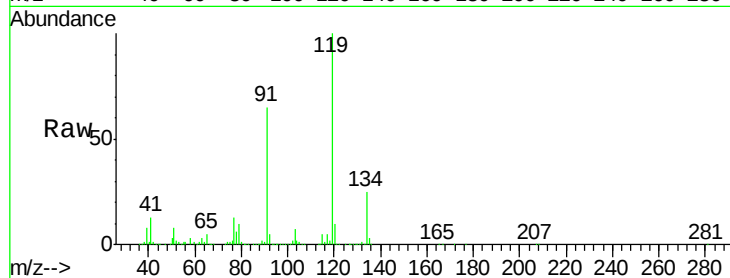
Tot Ion:119 Resp: 1011901

Ion Ratio Lower Upper

119 100

91 64.5 33.7 101.0

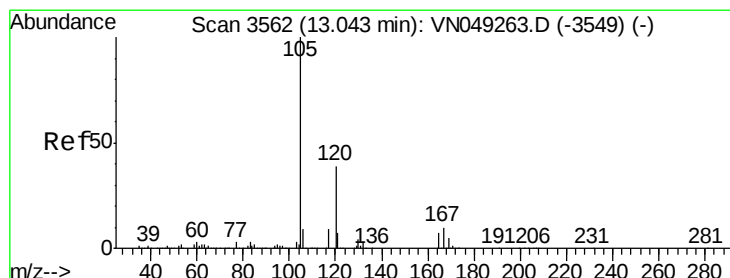
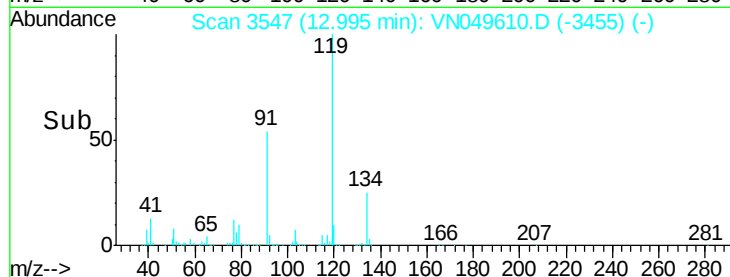
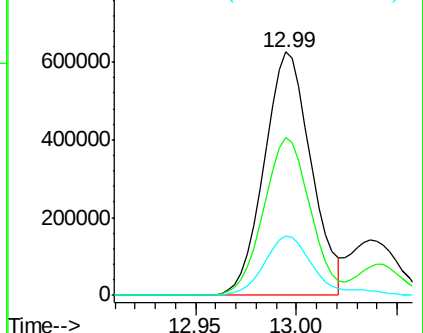
134 25.9 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.28 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049610.D

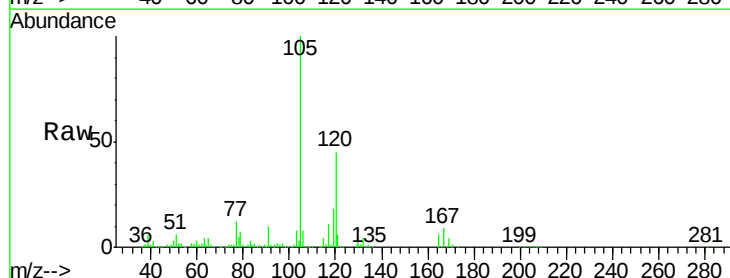
Acq: 29 Jun 2018 00:52

Tgt Ion:105 Resp: 1247607

Ion Ratio Lower Upper

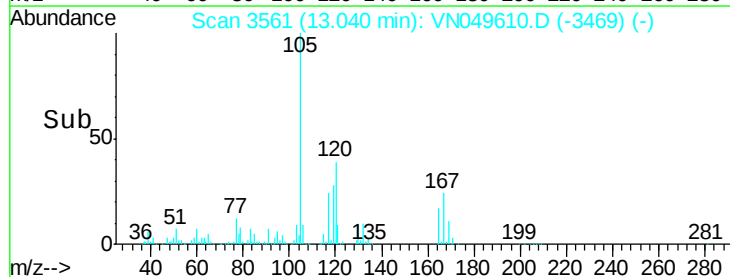
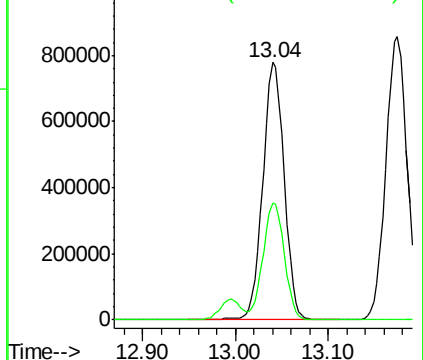
105 100

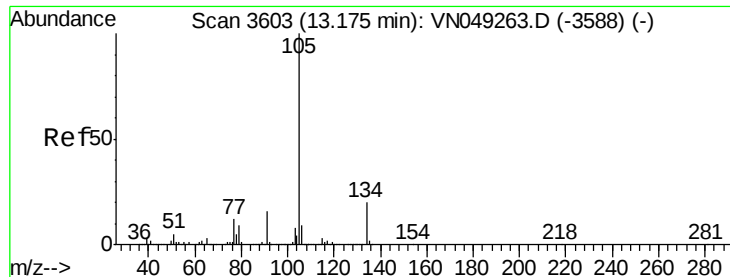
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.70 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

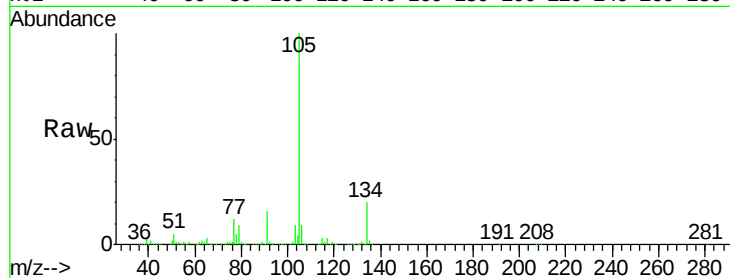
ClientSampled :

Tot Ion:105 Resp: 1359783

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

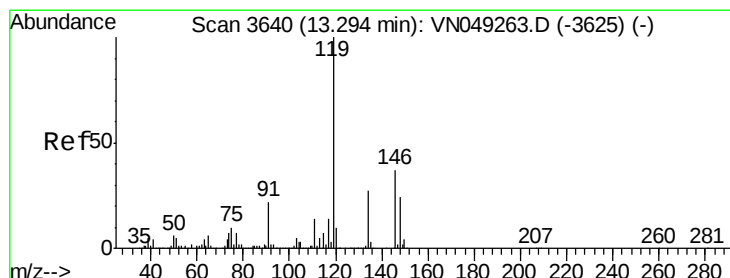
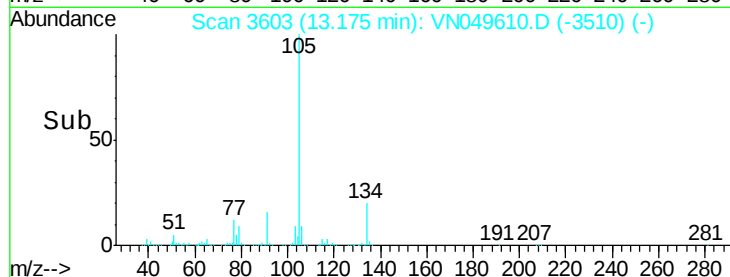
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

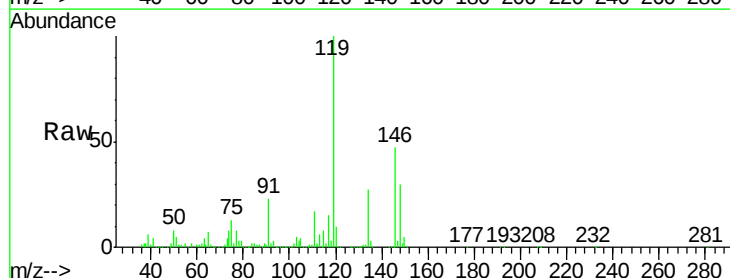
Tgt Ion:119 Resp: 1171664

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 22.8 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

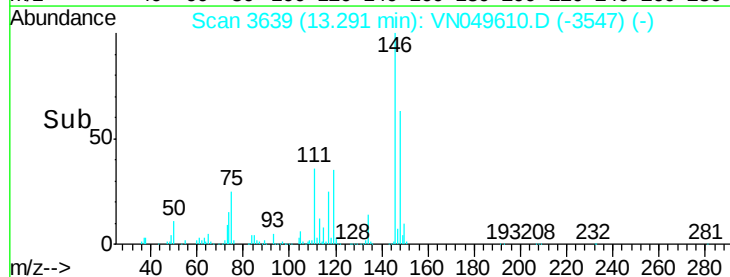
400000

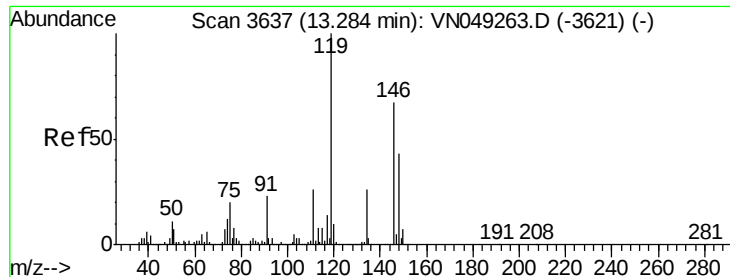
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

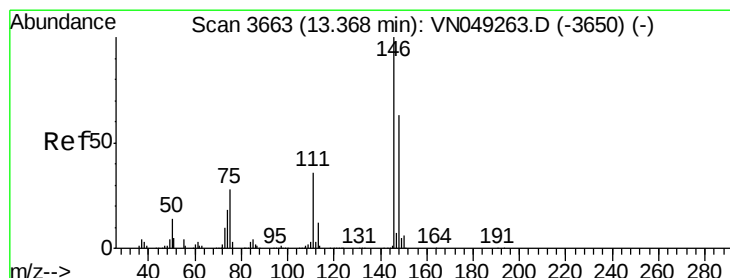
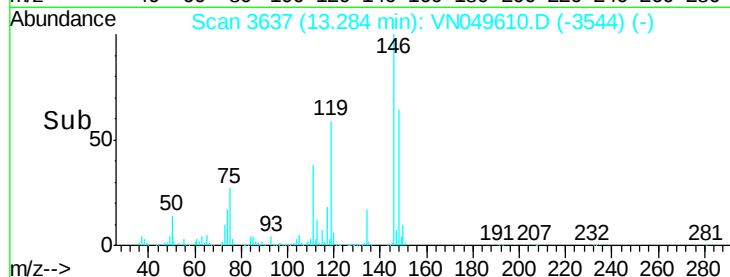
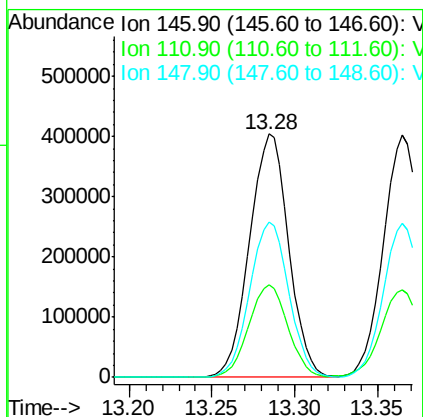
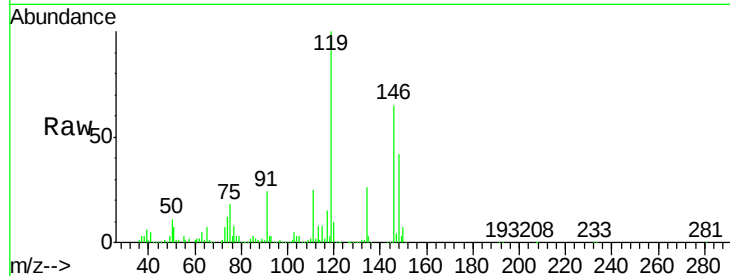
Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:146 Resp: 664906

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	63.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 18.15 ug/l

RT: 13.36 min Scan# 3662

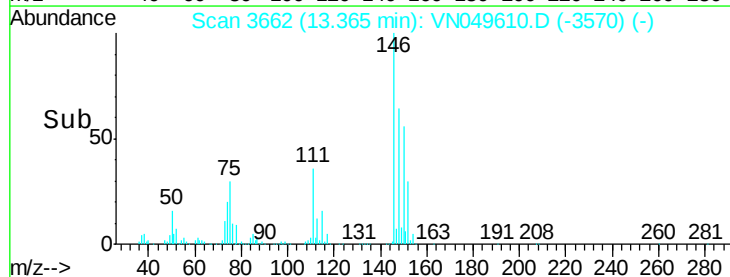
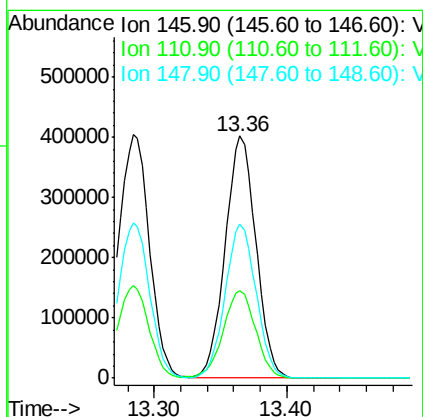
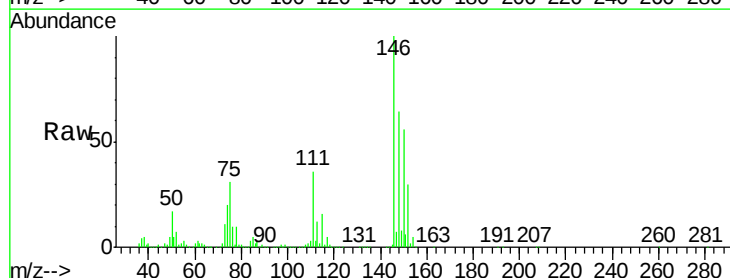
Delta R.T. -0.00 min

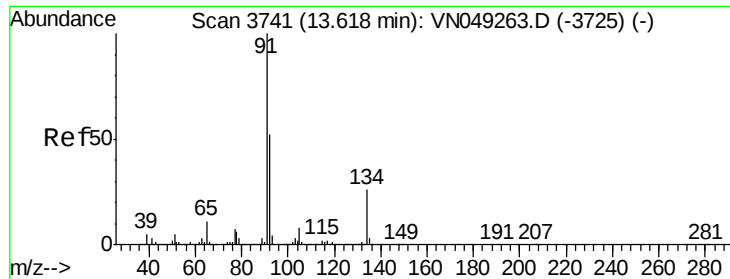
Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:146 Resp: 647893

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.9	32.0	96.2

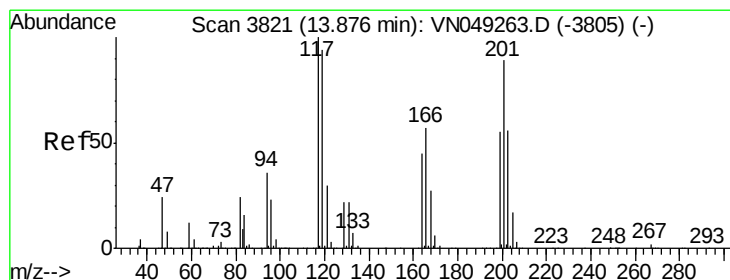
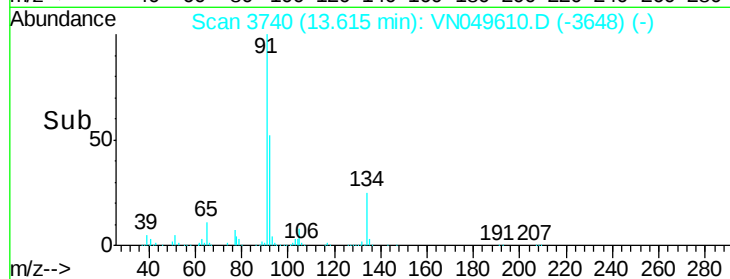
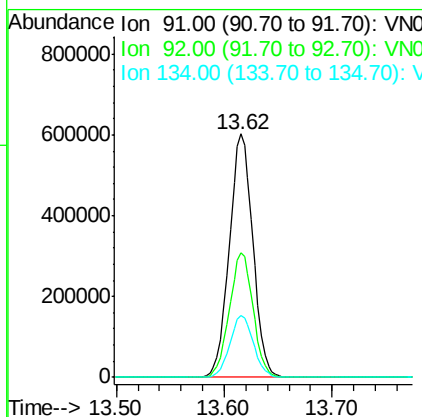
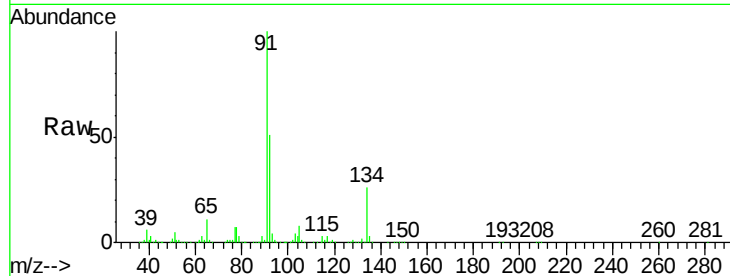




#89
n-Butylbenzene
Concen: 18.19 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

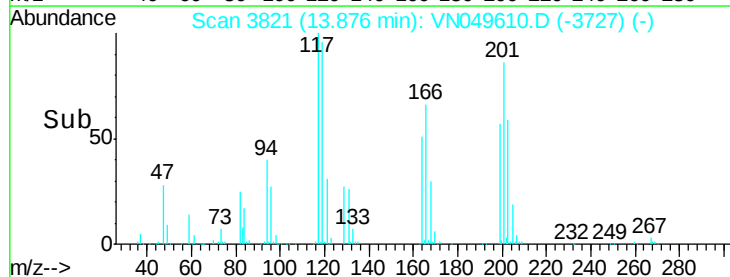
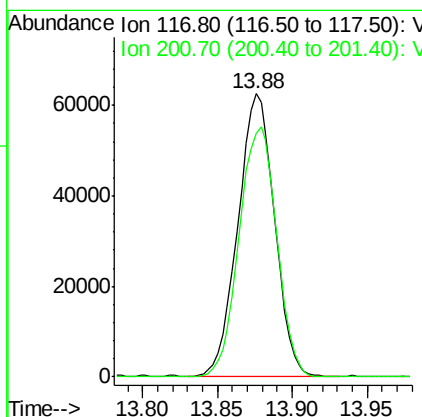
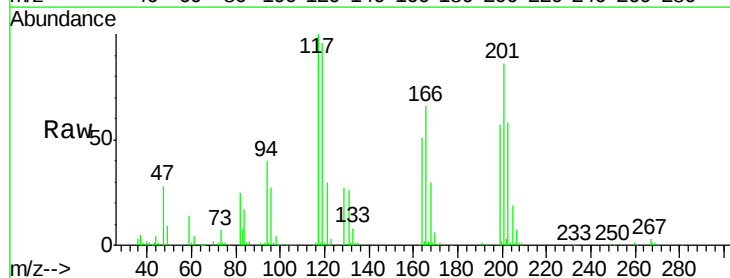
Instrument :
MSVOA_N
ClientSampled :

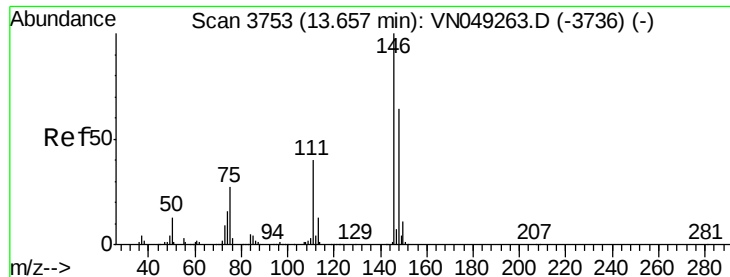
Tot Ion	91	Resp	912045
Ion Ratio	Lower	Upper	
91	100		
92	51.6	25.1	75.4
134	25.7	12.0	36.0



#90
Hexachloroethane
Concen: 7.36 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	117	Resp	107032
Ion Ratio	Lower	Upper	
117	100		
201	90.2	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 18.54 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

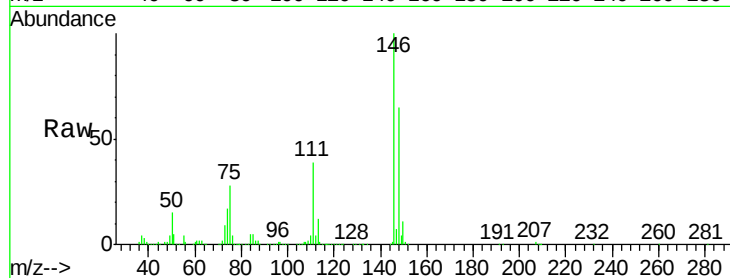
Tot Ion:146 Resp: 654765

Ion Ratio Lower Upper

146 100

111 38.9 20.8 62.2

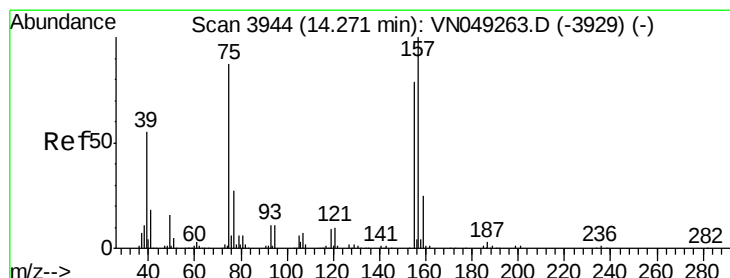
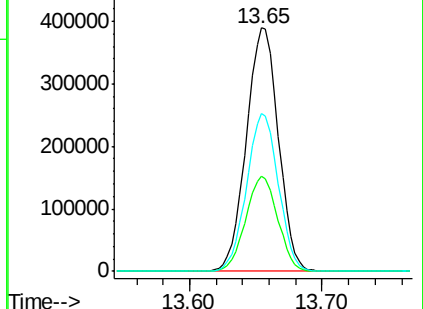
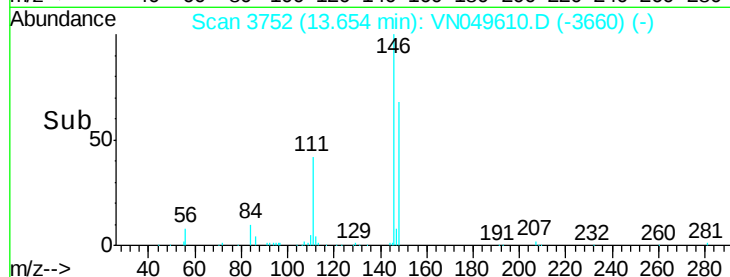
148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.22 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

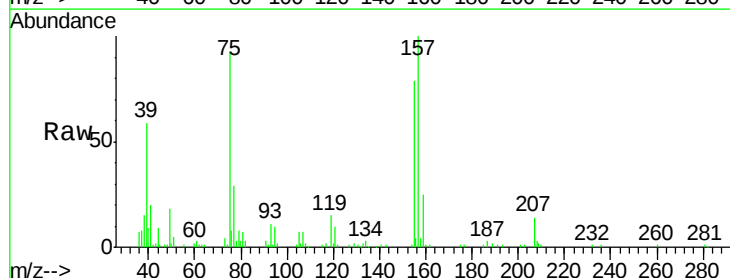
Tgt Ion: 75 Resp: 49693

Ion Ratio Lower Upper

75 100

155 88.8 38.8 116.3

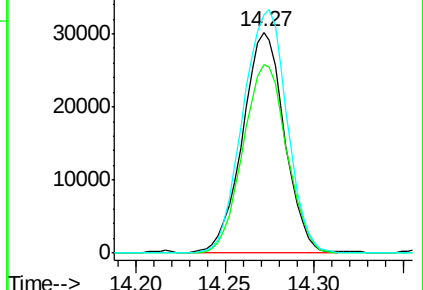
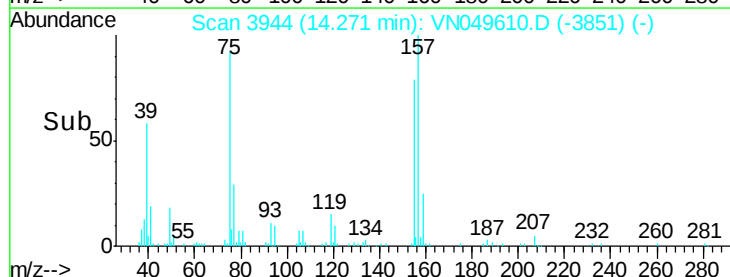
157 115.5 51.0 153.1

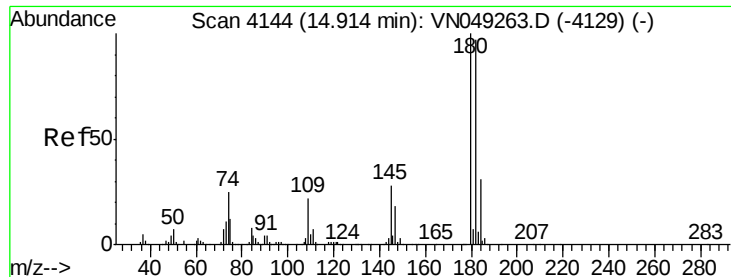


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

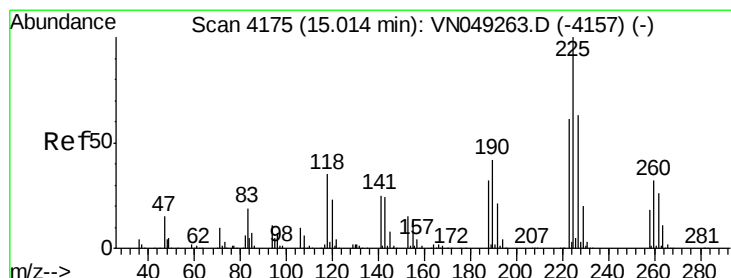
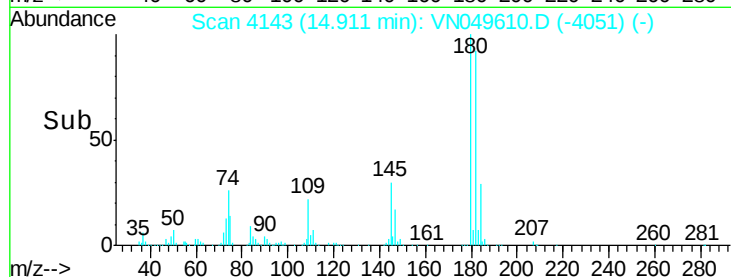
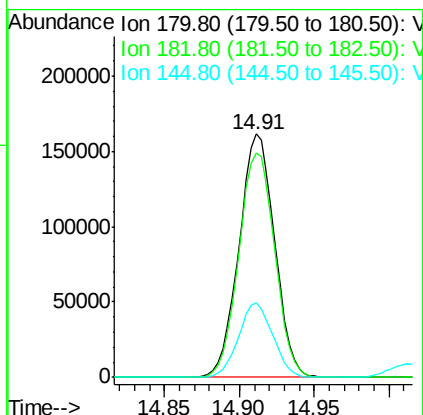
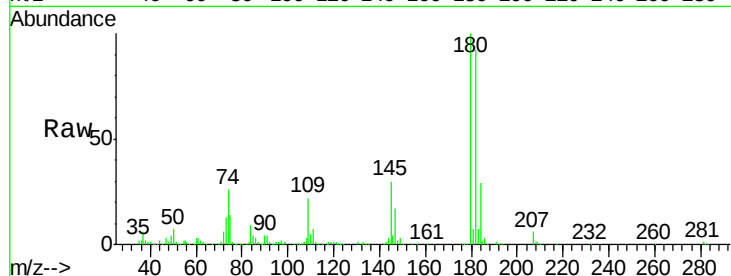




#93
 1,2,4-Trichlorobenzene
 Concen: 19.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

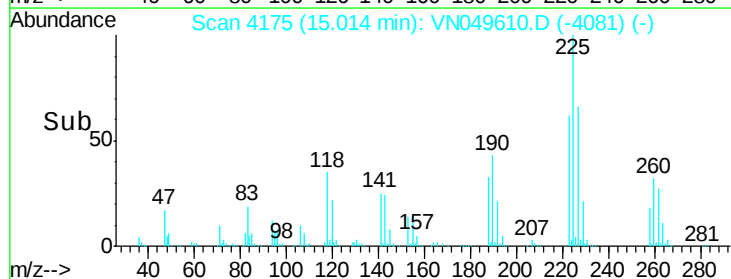
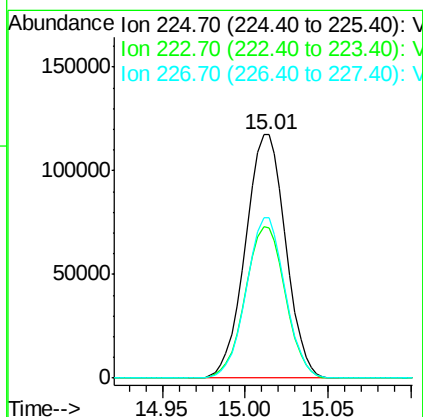
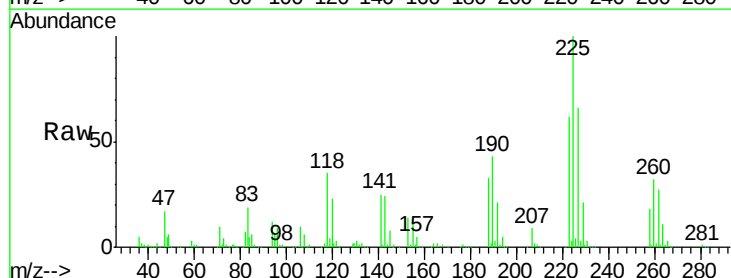
Instrument :
 MSVOA_N
 ClientSampled :

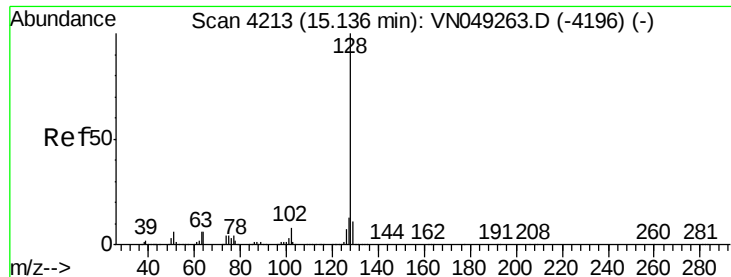
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.9	140.8
145	29.4	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 17.44 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.1	96.3
227	63.5	31.8	95.3

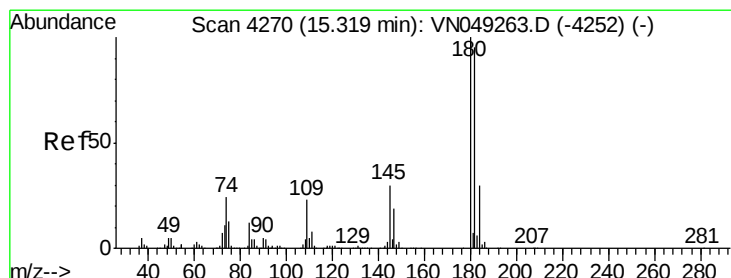
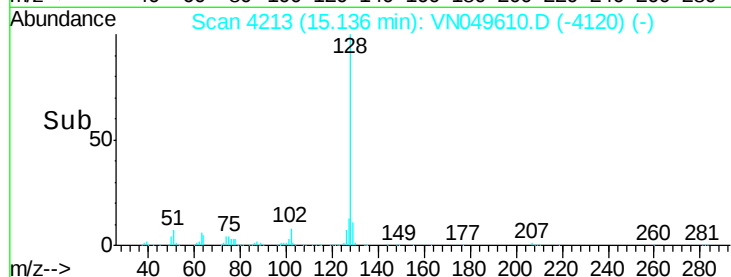
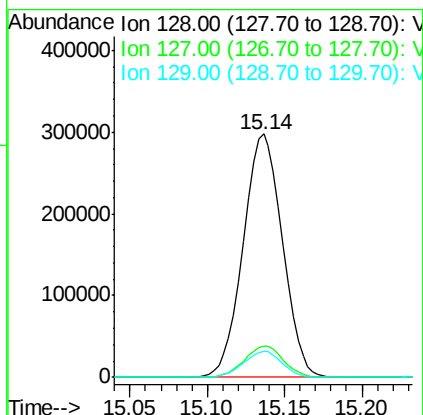
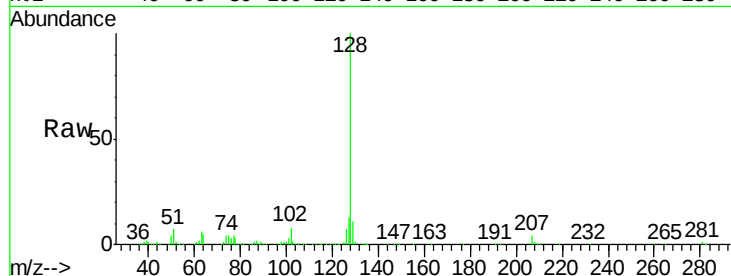




#95
Naphthalene
Concen: 21.10 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 525987
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.25 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion:180 Resp: 268462
Ion Ratio Lower Upper
180 100
182 95.9 47.3 141.8
145 30.5 15.6 46.7

