

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049635.D
 Acq On : 29 Jun 2018 16:58
 Operator : MD\SY
 Sample : VN0629WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 01:19:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1344176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2033127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1787648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	919516	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	781429	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
35) Dibromofluoromethane	7.59	113	676902	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
50) Toluene-d8	10.09	98	2568345	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	
62) 4-Bromofluorobenzene	12.40	95	858901	42.28	ug/l	0.00
Spiked Amount			Recovery	=	84.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	264480	17.46	ug/l	99
3) Chloromethane	2.06	50	313377	16.56	ug/l	97
4) Vinyl Chloride	2.18	62	341126	16.79	ug/l	100
5) Bromomethane	2.56	94	173527	16.26	ug/l	97
6) Chloroethane	2.70	64	209558	16.29	ug/l	99
7) Trichlorofluoromethane	3.01	101	383008	16.50	ug/l	99
8) Diethyl Ether	3.41	74	154102	16.38	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	273902	16.40	ug/l	92
10) Methyl Iodide	3.94	142	352354	16.86	ug/l	91
11) Tert butyl alcohol	4.80	59	98758	96.95	ug/l	98
12) 1,1-Dichloroethene	3.73	96	254558	16.12	ug/l	87
13) Acrolein	3.61	56	84431	88.74	ug/l	100
14) Allyl chloride	4.32	41	366136	16.88	ug/l	91
15) Acrylonitrile	4.99	53	462526	87.92	ug/l	99
16) Acetone	3.82	43	350610	92.30	ug/l	91
17) Carbon Disulfide	4.05	76	713054	16.17	ug/l	99
18) Methyl Acetate	4.33	43	299113	15.24	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	699429	17.19	ug/l	99
20) Methylene Chloride	4.55	84	291888	15.97	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	262089	16.13	ug/l	89
22) Diisopropyl ether	5.95	45	824141	16.80	ug/l	98
23) Vinyl Acetate	5.90	43	2668802	83.88	ug/l	96
24) 1,1-Dichloroethane	5.85	63	514629	16.65	ug/l	99
25) 2-Butanone	6.84	43	530310	89.99	ug/l	96
26) 2,2-Dichloropropane	6.82	77	421864	16.43	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	306768	16.90	ug/l	91
28) Bromochloromethane	7.19	49	197719	15.07	ug/l #	82
29) Tetrahydrofuran	7.22	42	341736	90.98	ug/l	94
30) Chloroform	7.37	83	518925	16.47	ug/l	100
31) Cyclohexane	7.65	56	431660	15.78	ug/l #	91
32) 1,1,1-Trichloroethane	7.57	97	440043	16.50	ug/l	97
36) 1,1-Dichloropropene	7.79	75	373910	16.35	ug/l	97
37) Ethyl Acetate	6.93	43	251904	18.88	ug/l	100
38) Carbon Tetrachloride	7.77	117	350293	15.74	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	392661	15.66	ug/l	96
40) Benzene	8.04	78	1150402	16.47	ug/l	99
41) Methacrylonitrile	7.17	41	104289	14.64	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	365305	16.39	ug/l	95
43) Isopropyl Acetate	8.17	43	471436	17.42	ug/l	99
44) Trichloroethene	8.83	130	336654	15.98	ug/l	91
45) 1,2-Dichloropropane	9.12	63	307061	17.02	ug/l	99
46) Dibromomethane	9.21	93	177675	16.28	ug/l	89
47) Bromodichloromethane	9.40	83	378107	16.27	ug/l	96
48) Methyl methacrylate	9.20	41	207733	17.52	ug/l	88
49) 1,4-Dioxane	9.20	88	55875	350.56	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1173122	89.68	ug/l	94
52) Toluene	10.16	92	700920	16.61	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	358420	16.11	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	423932	16.30	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	254956	16.23	ug/l	96
56) Ethyl methacrylate	10.43	69	316304	17.18	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	433500	17.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	666255	77.24	ug/l	95
59) 2-Hexanone	10.75	43	778544	90.01	ug/l	93
60) Dibromochloromethane	10.90	129	280630	16.53	ug/l	100
61) 1,2-Dibromoethane	11.01	107	255946	17.00	ug/l	97
64) Tetrachloroethene	10.63	164	399551	16.51	ug/l	98
65) Chlorobenzene	11.44	112	751850	16.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	277613	16.57	ug/l	99
67) Ethyl Benzene	11.51	91	1239001	16.07	ug/l	98
68) m/p-Xylenes	11.62	106	987675	33.43	ug/l	96
69) o-Xylene	11.95	106	472824	16.72	ug/l	95
70) Styrene	11.97	104	754159	16.48	ug/l	97
71) Bromoform	12.13	173	185200	16.63	ug/l	98
73) Isopropylbenzene	12.25	105	1223894	16.71	ug/l	98
74) N-amyl acetate	12.07	43	340941	17.04	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	293539	18.41	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	373166	25.59	ug/l #	100
77) Bromobenzene	12.53	156	320679	16.10	ug/l	90
78) n-propylbenzene	12.59	91	1407350	16.77	ug/l	99
79) 2-Chlorotoluene	12.68	91	861132	16.21	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1030685	16.93	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	71354	16.43	ug/l	97
82) 4-Chlorotoluene	12.78	91	862243	16.14	ug/l	99
83) tert-Butylbenzene	13.00	119	854224	16.34	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1054770	16.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1171095	16.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	1002890	16.71	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	555356	16.08	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	540763	16.02	ug/l	99
89) n-Butylbenzene	13.62	91	789762	15.37	ug/l	98
90) Hexachloroethane	13.88	117	84611	13.42	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	555367	16.40	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48183	18.20	ug/l	88

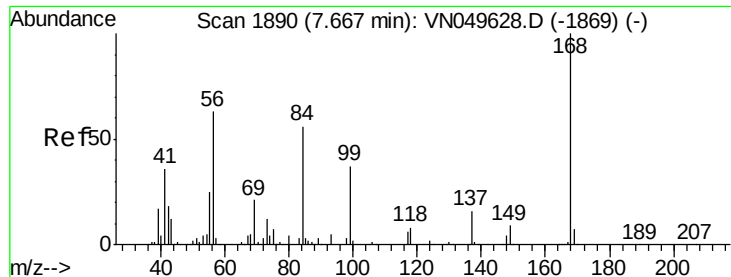
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
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Quant Title : SW846 8260
QLast Update : Fri Jun 29 15:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	219969	14.76	ug/l	100
94) Hexachlorobutadiene	15.01	225	176395	16.57	ug/l	99
95) Naphthalene	15.14	128	455817	15.23	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	232125	15.60	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: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

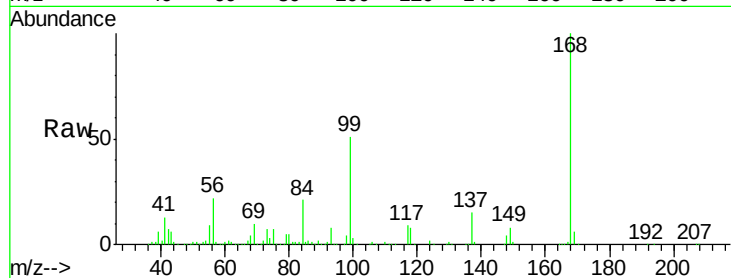
ClientSampleId :

Tot Ion:168 Resp: 1344176

Ion Ratio Lower Upper

168 100

99 50.2 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

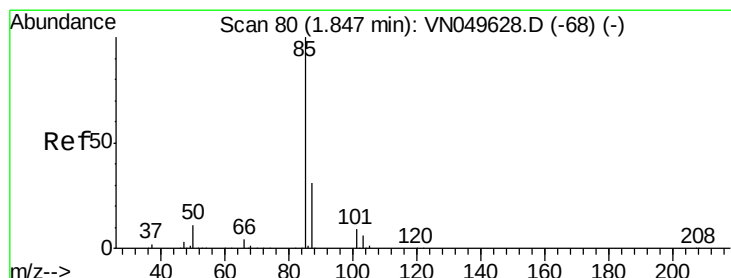
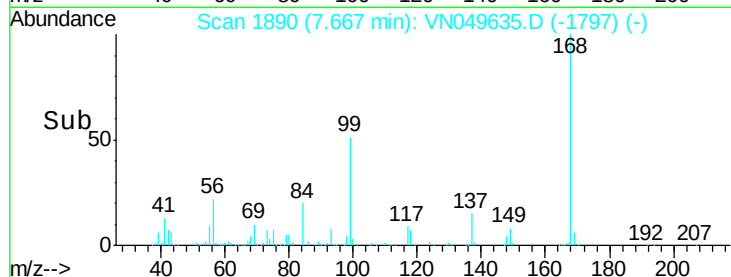
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.46 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049635.D

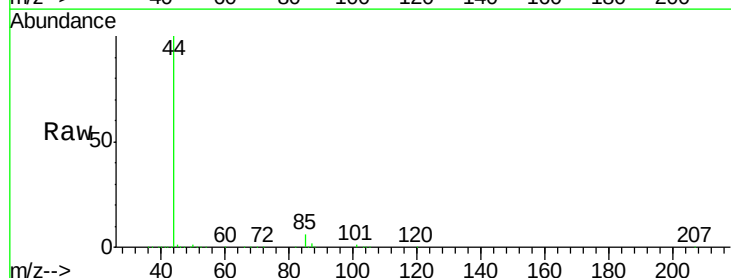
Acq: 29 Jun 2018 16:58

Tgt Ion: 85 Resp: 264480

Ion Ratio Lower Upper

85 100

87 32.8 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

200000

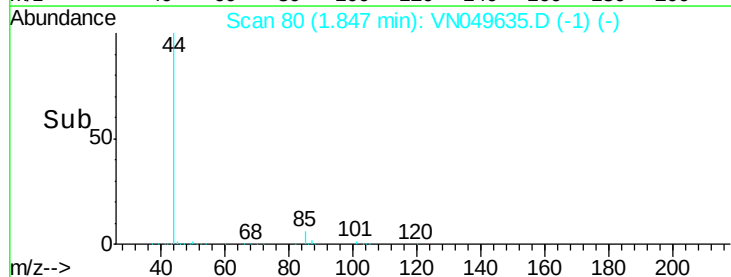
150000

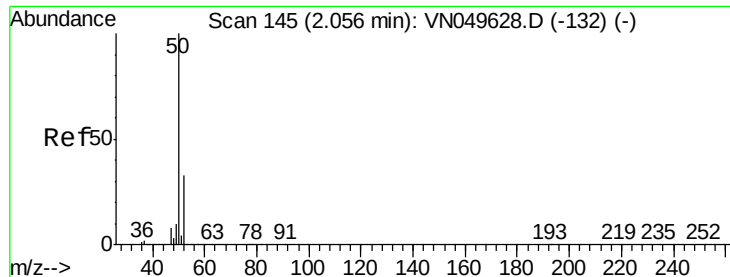
100000

50000

0

Time-->





#3

Chloromethane

Concen: 16.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

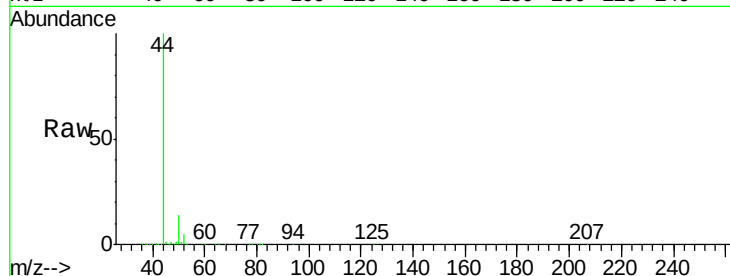
ClientSampled :

Tot Ion: 50 Resp: 313377

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



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

Ion 51.90 (51.60 to 52.60): VN049635.D (-52) (-)

2.06

250000

200000

150000

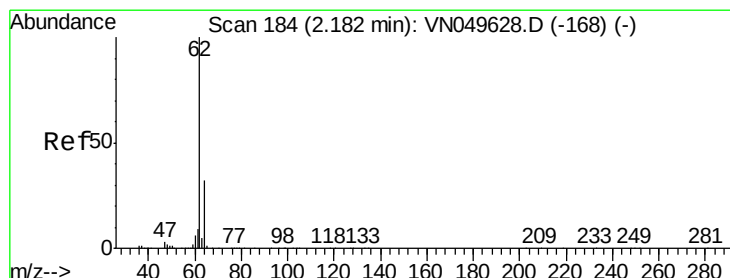
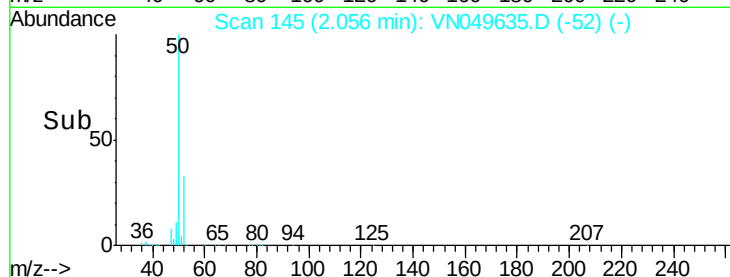
100000

50000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 16.79 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049635.D

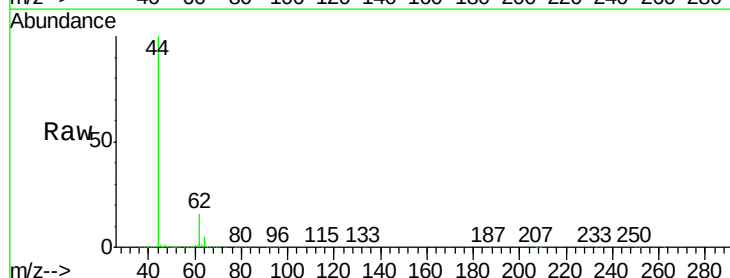
Acq: 29 Jun 2018 16:58

Tgt Ion: 62 Resp: 341126

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5



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

Ion 63.90 (63.60 to 64.60): VN049635.D (-92) (-)

2.18

250000

200000

150000

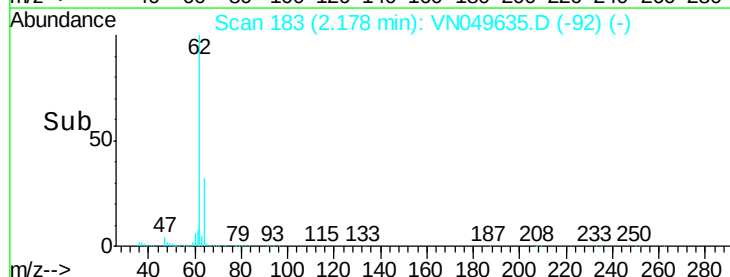
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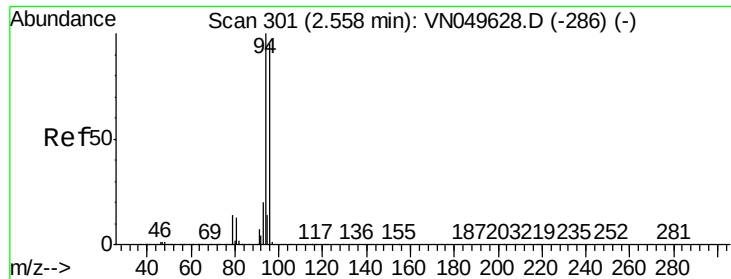
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 16.26 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

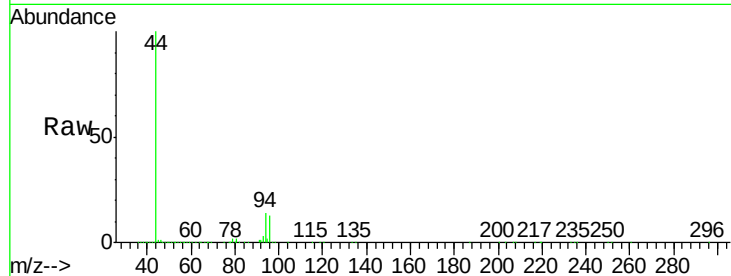
ClientSampled :

Tot Ion: 94 Resp: 173527

Ion Ratio Lower Upper

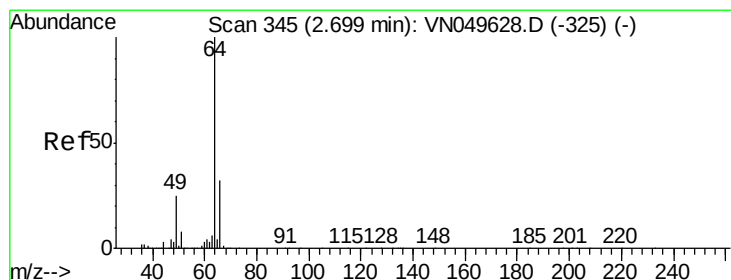
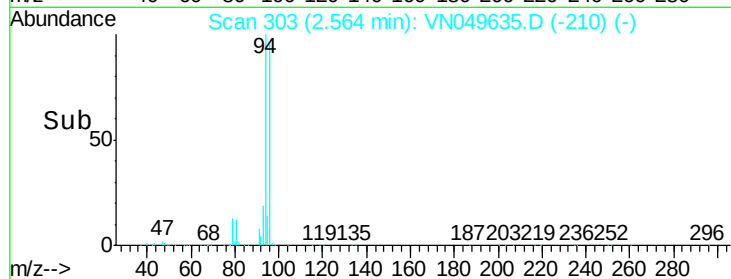
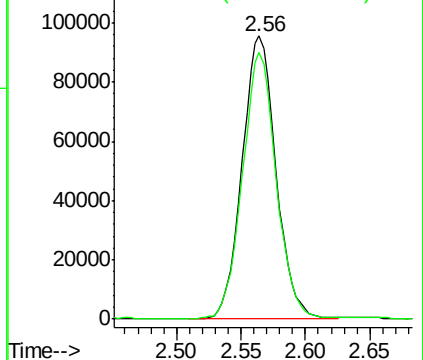
94 100

96 94.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.29 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049635.D

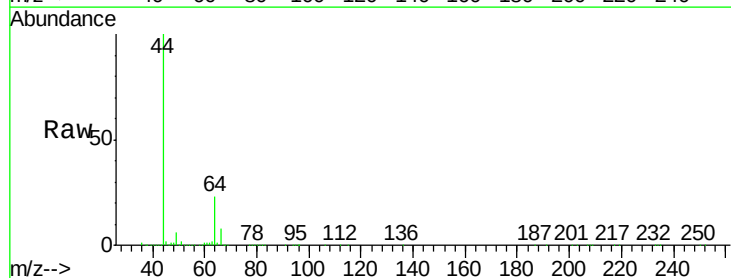
Acq: 29 Jun 2018 16:58

Tgt Ion: 64 Resp: 209558

Ion Ratio Lower Upper

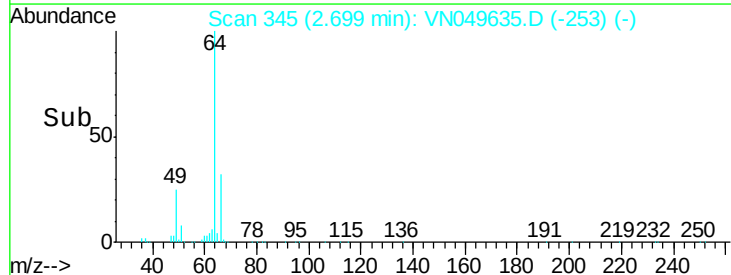
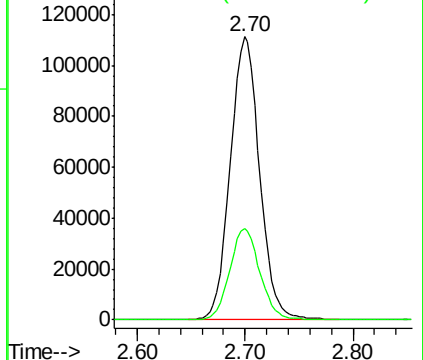
64 100

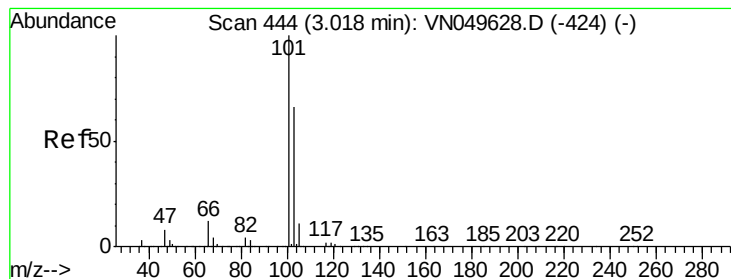
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



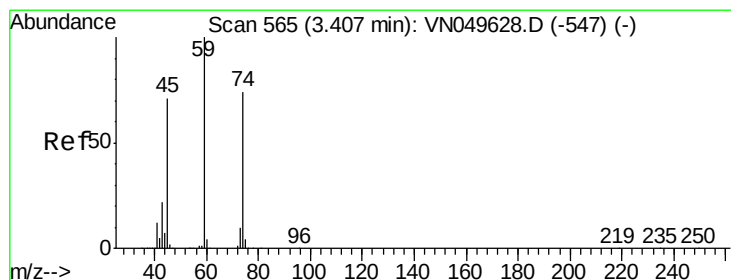
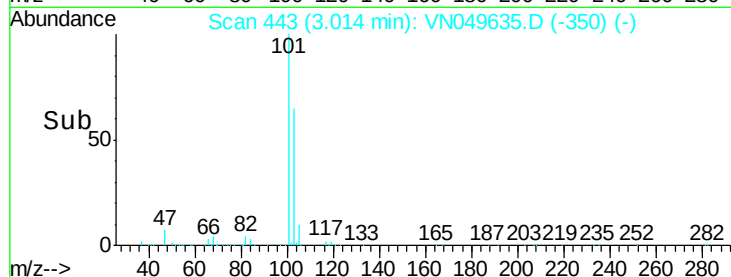
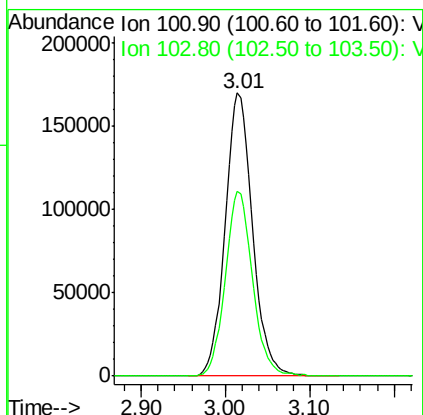
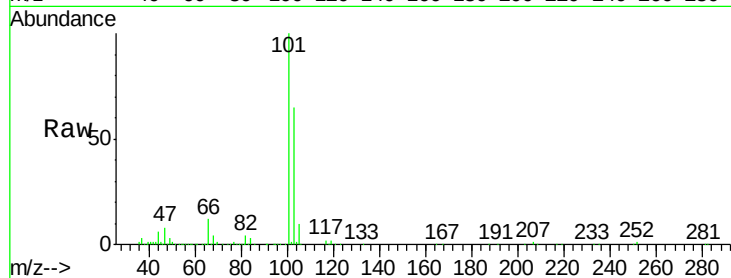


#7

Trichlorofluoromethane
Concen: 16.50 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :

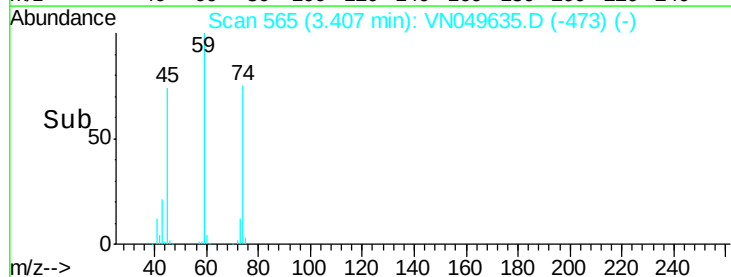
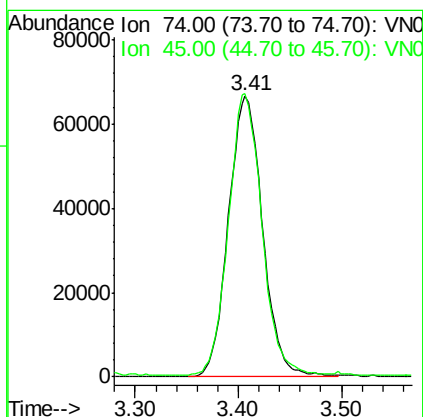
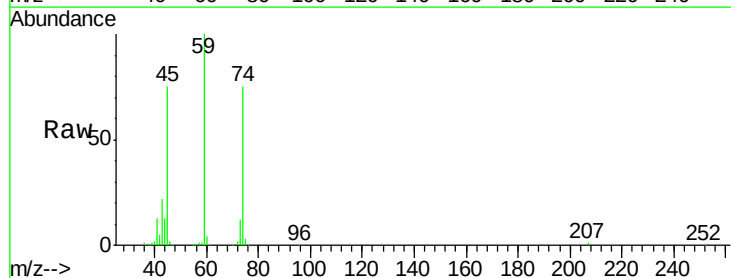
Tot Ion:101 Resp: 383008
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5

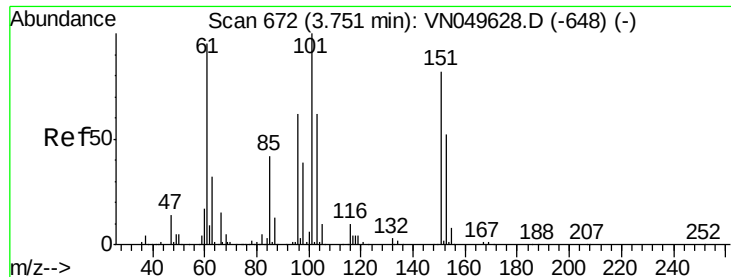


#8

Diethyl Ether
Concen: 16.38 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 74 Resp: 154102
Ion Ratio Lower Upper
74 100
45 97.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.40 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

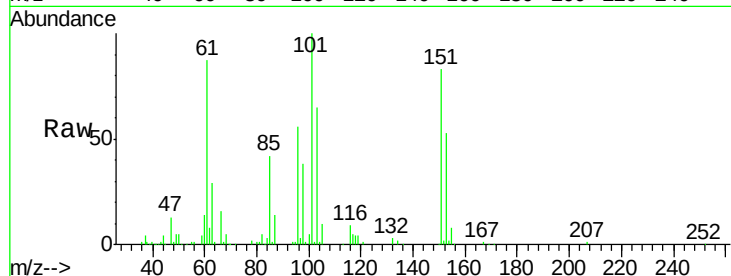
Tot Ion:101 Resp: 273902

Ion Ratio Lower Upper

101 100

85 42.2 37.6 56.4

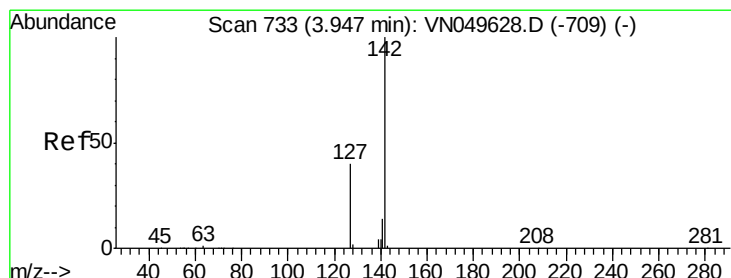
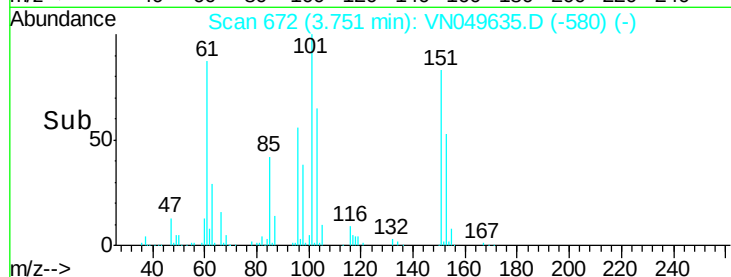
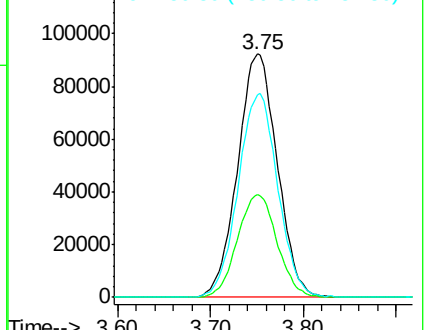
151 83.7 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.86 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

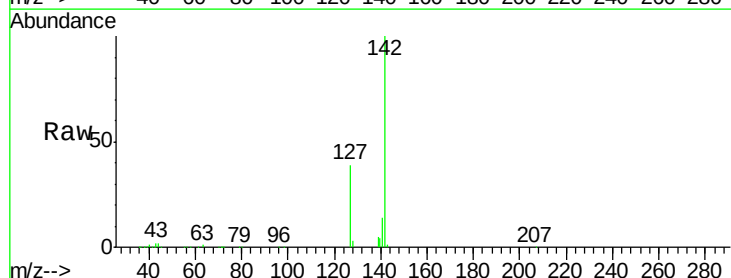
Tgt Ion:142 Resp: 352354

Ion Ratio Lower Upper

142 100

127 40.1 38.2 57.4

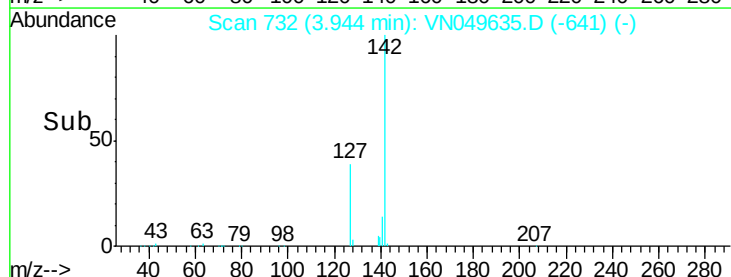
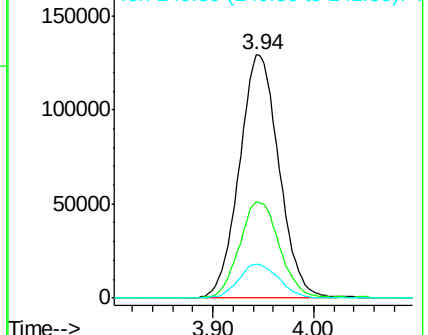
141 14.3 11.9 17.9

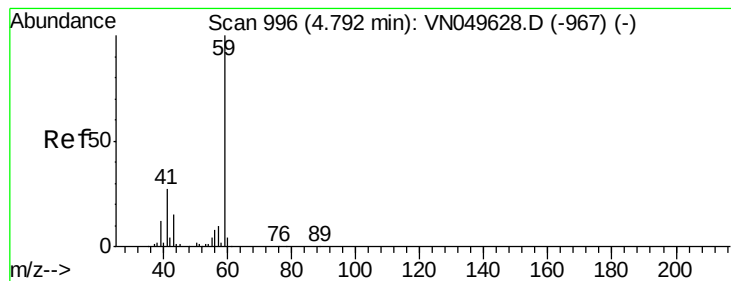


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.95 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

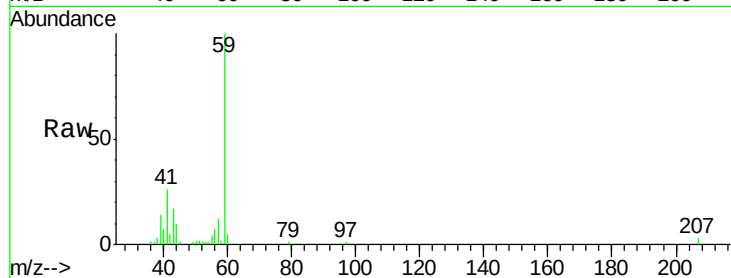
ClientSampled :

Tot Ion: 59 Resp: 98758

Ion Ratio Lower Upper

59 100

57 10.5 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN049628.D (-967) (-)

Ion 57.00 (56.70 to 57.70): VN049628.D (-967) (-)

4.80

30000

25000

20000

15000

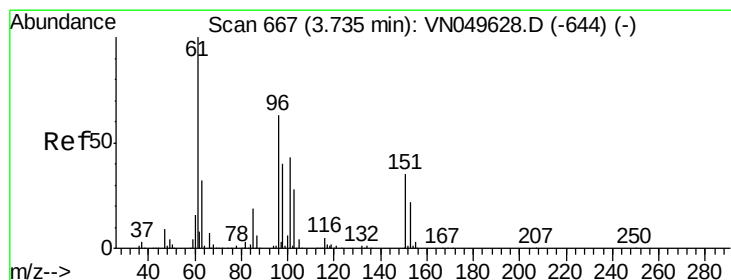
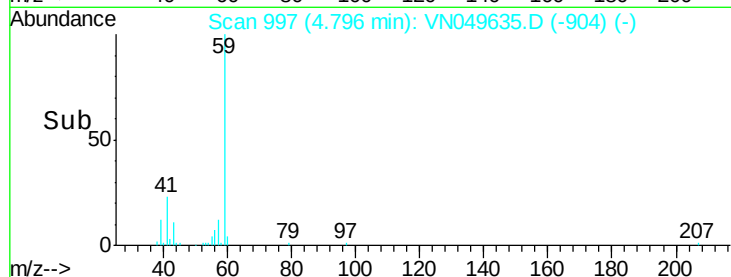
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 16.12 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

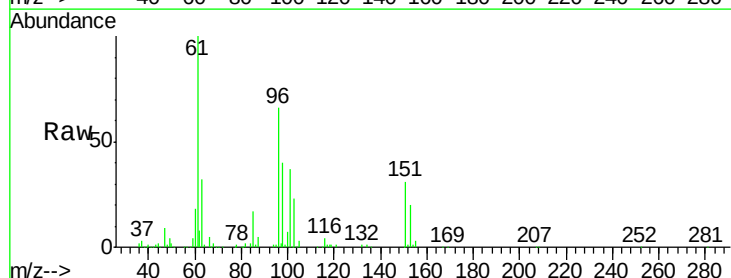
Tgt Ion: 96 Resp: 254558

Ion Ratio Lower Upper

96 100

61 152.5 141.0 211.4

98 61.5 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-644) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-644) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-644) (-)

200000

150000

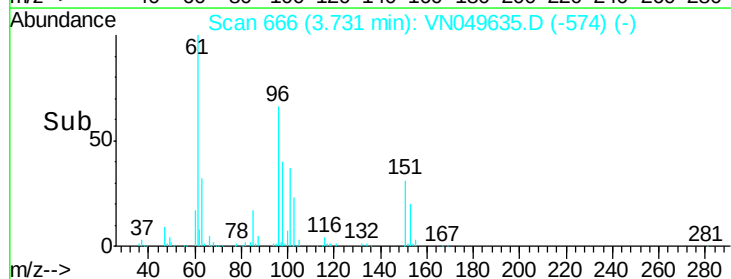
100000

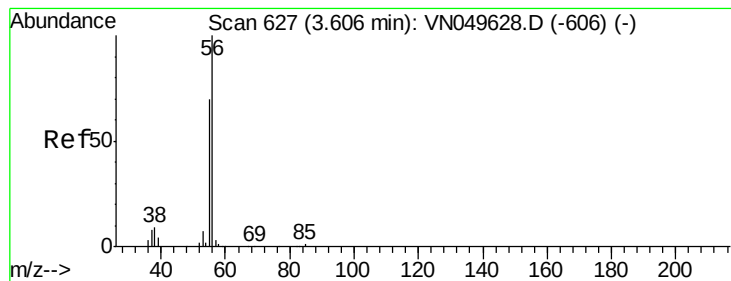
50000

0

3.60 3.70 3.80 3.90

Time-->





#13

Acrolein

Concen: 88.74 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

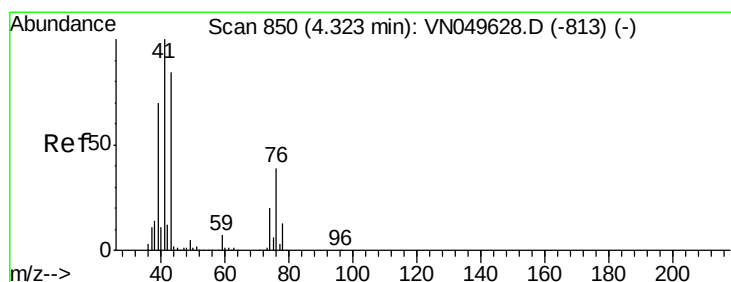
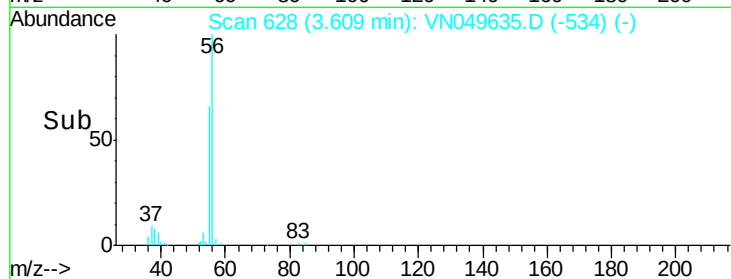
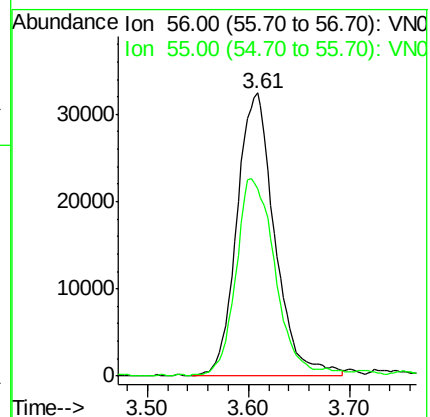
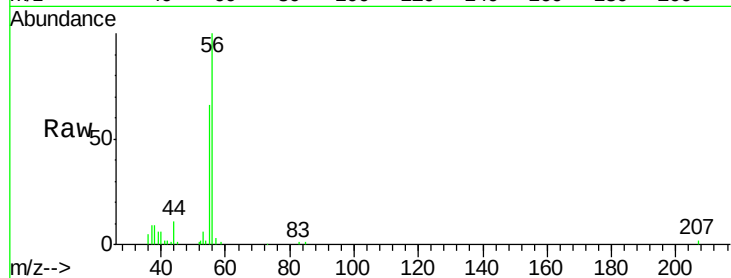
ClientSampleId :

Tot Ion: 56 Resp: 84431

Ion Ratio Lower Upper

56 100

55 71.6 57.1 85.7



#14

Allyl chloride

Concen: 16.88 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

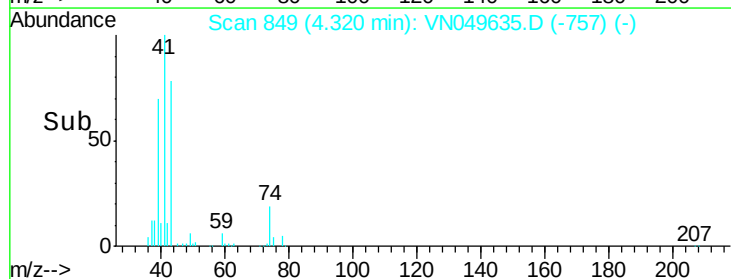
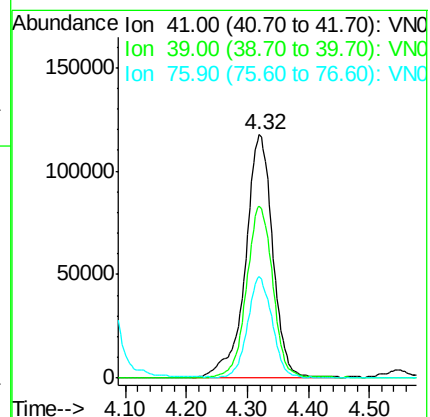
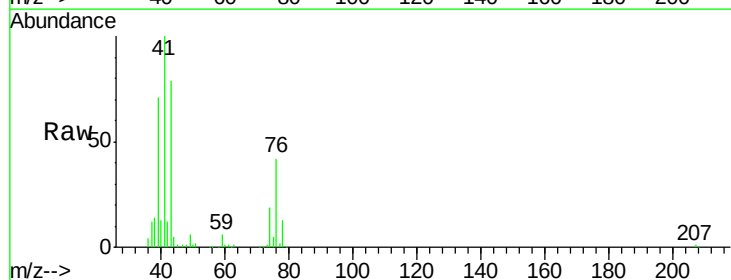
Tgt Ion: 41 Resp: 366136

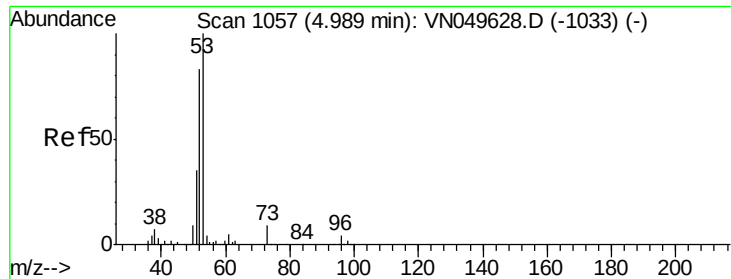
Ion Ratio Lower Upper

41 100

39 68.1 62.5 93.7

76 36.4 27.1 40.7





#15

Acrylonitrile

Concen: 87.92 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :

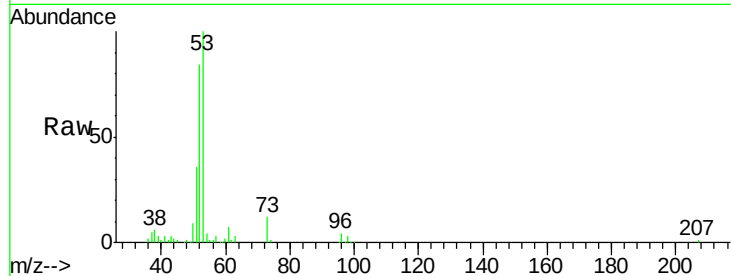
Tot Ion: 53 Resp: 462526

Ion Ratio Lower Upper

53 100

52 82.9 66.6 100.0

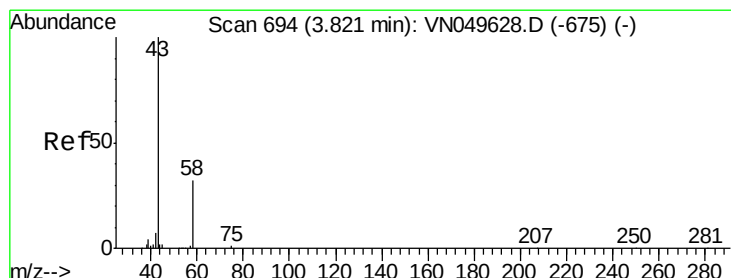
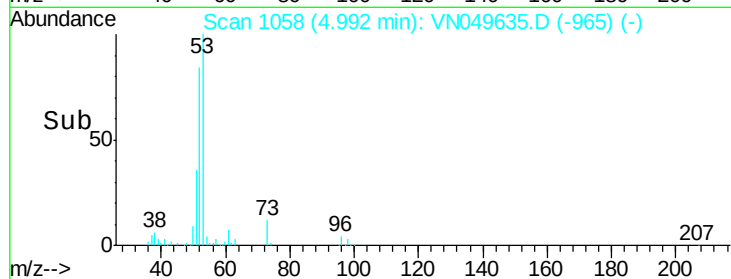
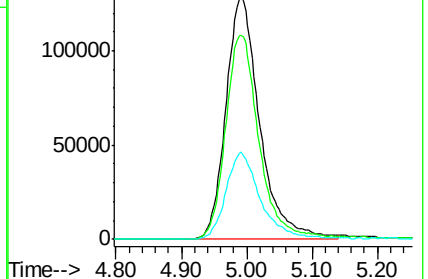
51 36.6 29.8 44.8



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

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

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



#16

Acetone

Concen: 92.30 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049635.D

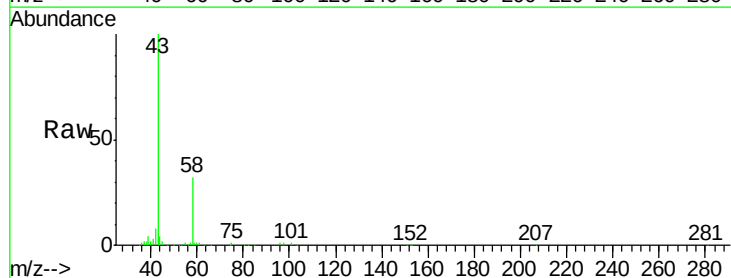
Acq: 29 Jun 2018 16:58

Tgt Ion: 43 Resp: 350610

Ion Ratio Lower Upper

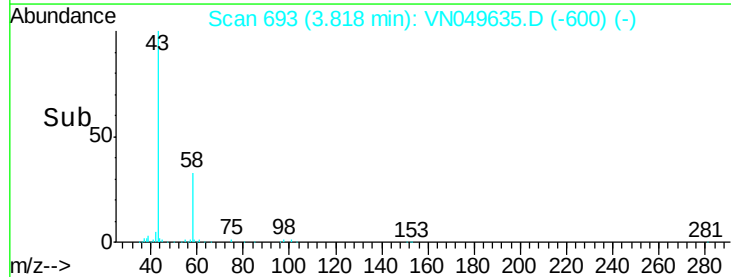
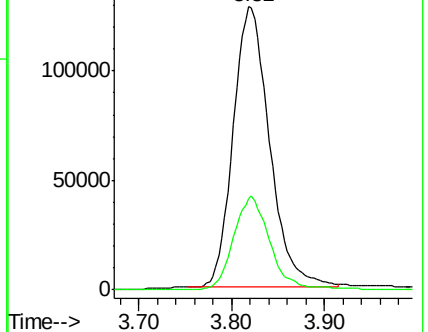
43 100

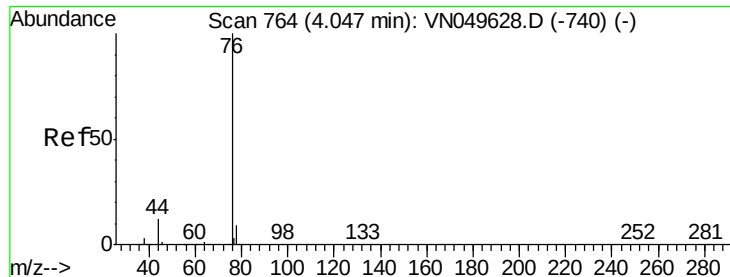
58 32.7 22.4 33.6



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

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





#17

Carbon Disulfide

Concen: 16.17 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

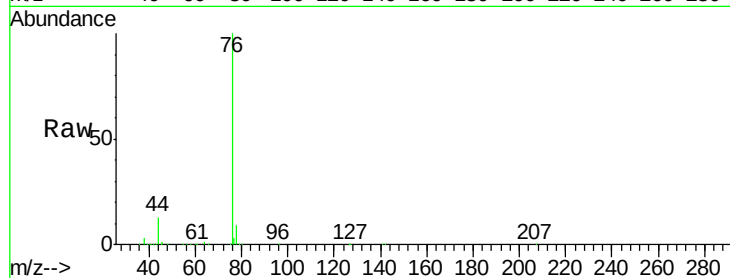
ClientSampled :

Tot Ion: 76 Resp: 713054

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

250000

200000

150000

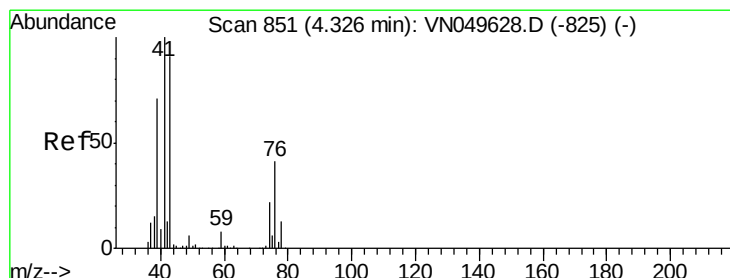
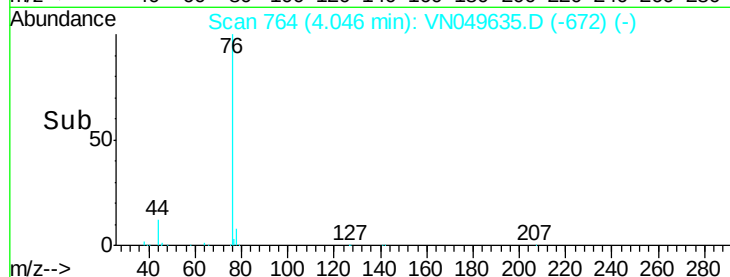
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 15.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049635.D

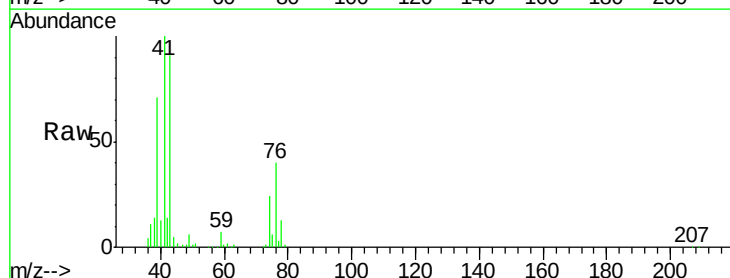
Acq: 29 Jun 2018 16:58

Tgt Ion: 43 Resp: 299113

Ion Ratio Lower Upper

43 100

74 23.9 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.33

120000

100000

80000

60000

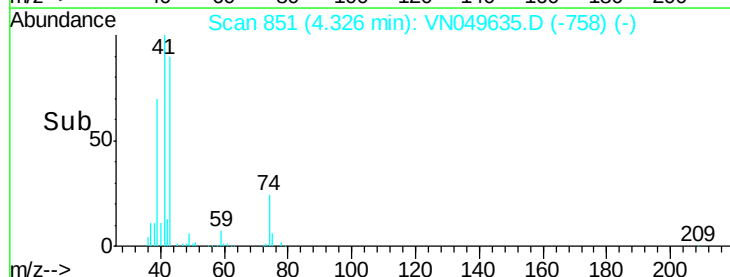
40000

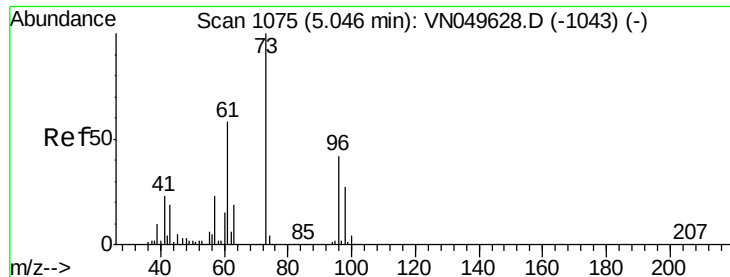
20000

0

4.20 4.30 4.40 4.50

Time-->

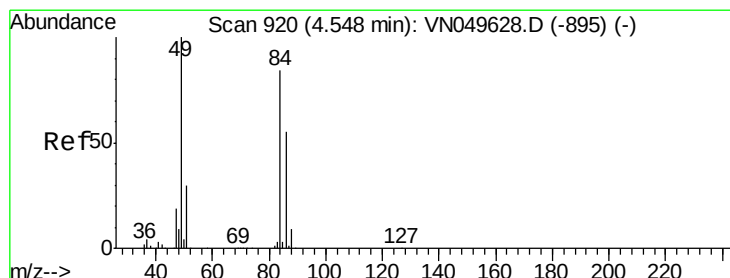
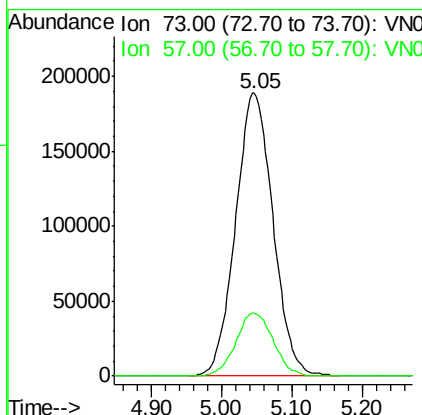
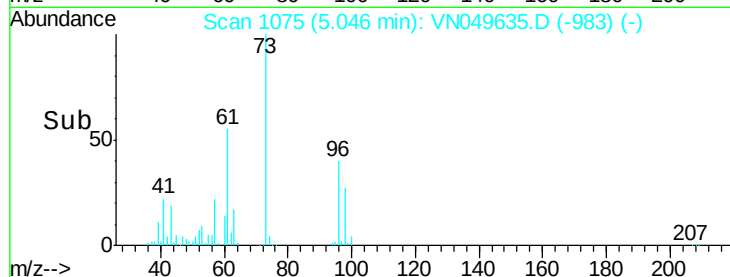
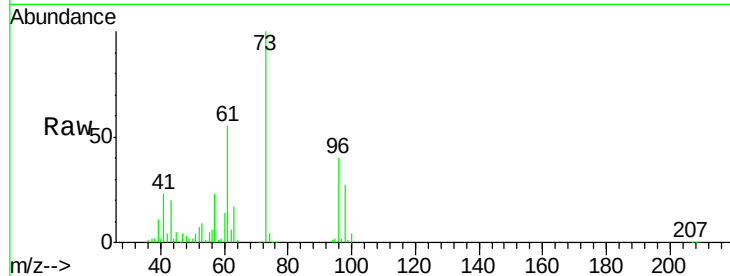




#19
Methvl tert-butvl Ether
Concen: 17.19 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

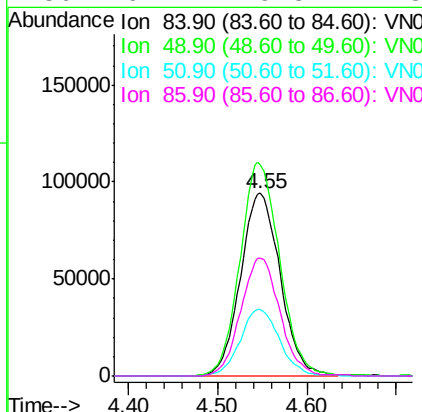
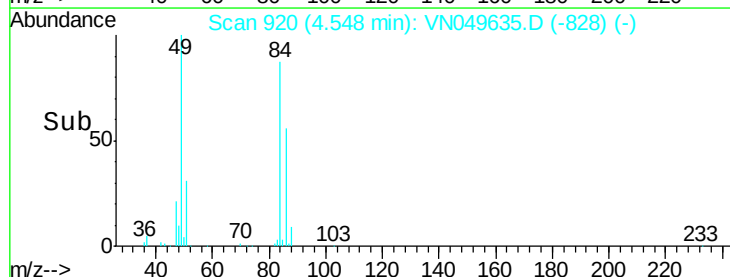
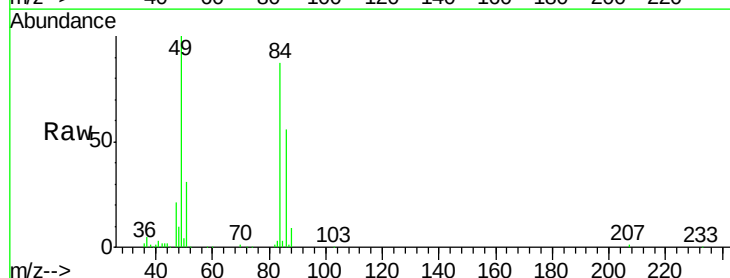
Instrument :
MSVOA_N
ClientSampleId :

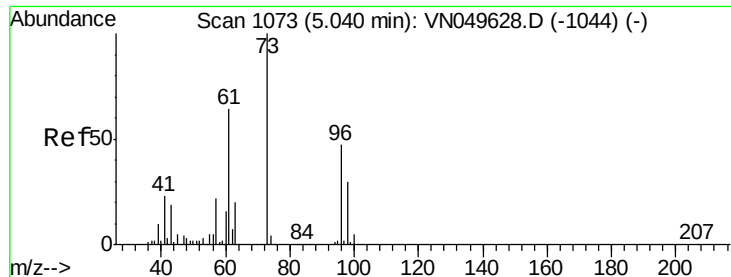
Tot Ion: 73 Resp: 699429
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 15.97 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 84 Resp: 291888
Ion Ratio Lower Upper
84 100
49 115.2 106.9 160.3
51 36.1 32.7 49.1
86 64.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.13 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

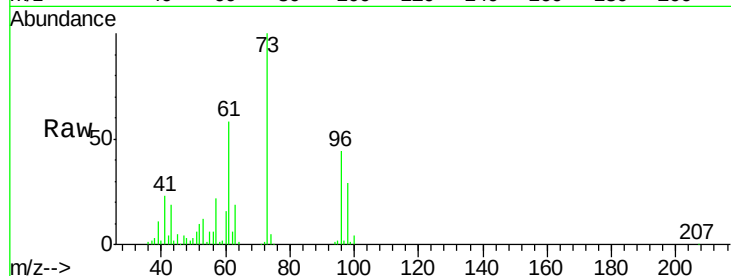
Tot Ion: 96 Resp: 262089

Ion Ratio Lower Upper

96 100

61 131.0 121.3 181.9

98 64.7 52.0 78.0

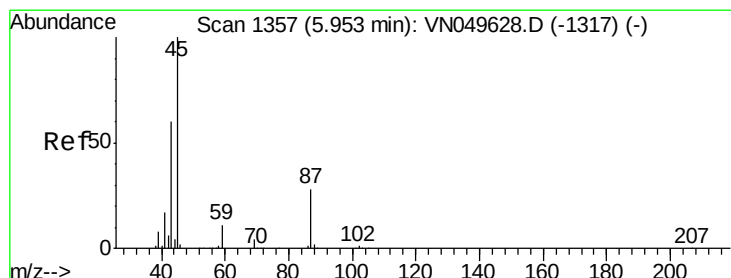
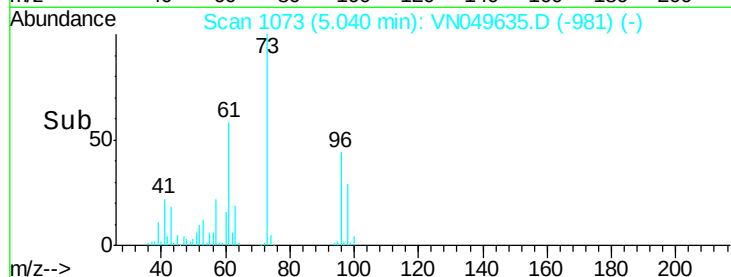
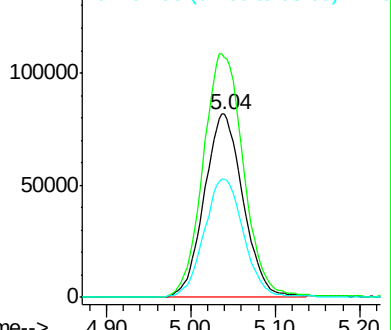


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 16.80 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 45 Resp: 824141

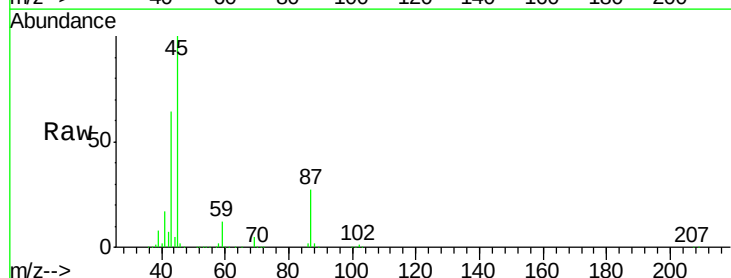
Ion Ratio Lower Upper

45 100

43 62.3 48.6 72.8

87 27.1 20.2 30.2

59 11.8 9.0 13.4



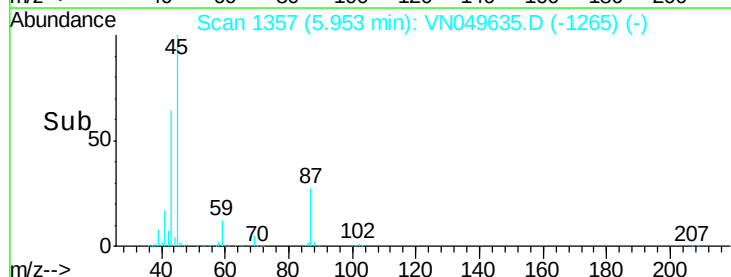
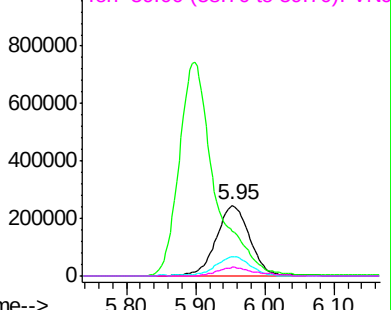
Abundance

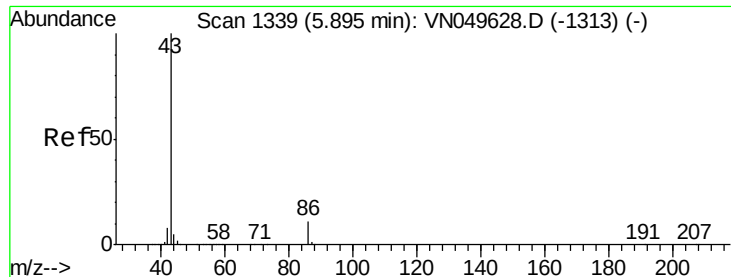
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 83.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

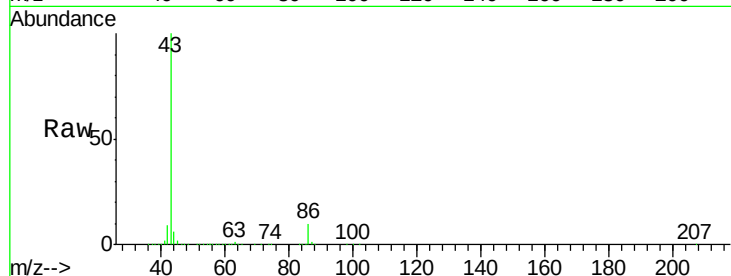
ClientSampleId :

Tot Ion: 43 Resp: 2668802

Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049628.D (-1313) (-)

5.90

800000

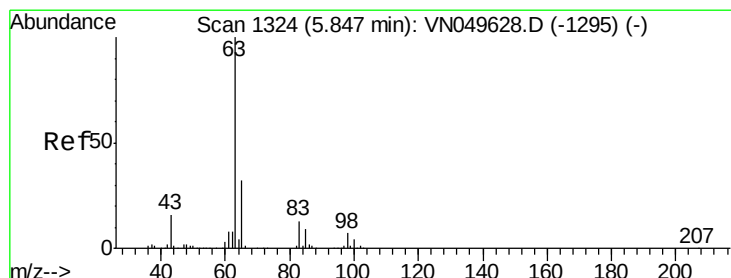
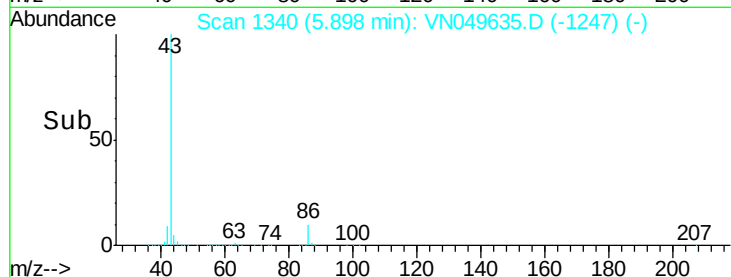
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 16.65 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

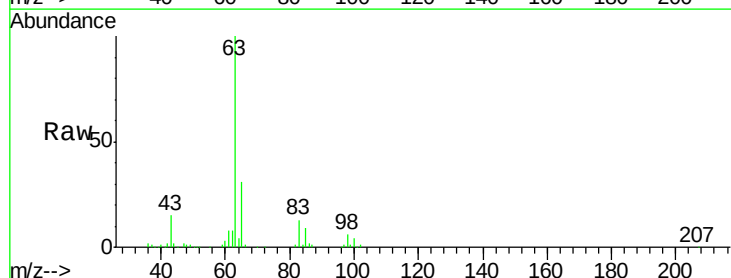
Tgt Ion: 63 Resp: 514629

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049628.D (-1295) (-)

200000

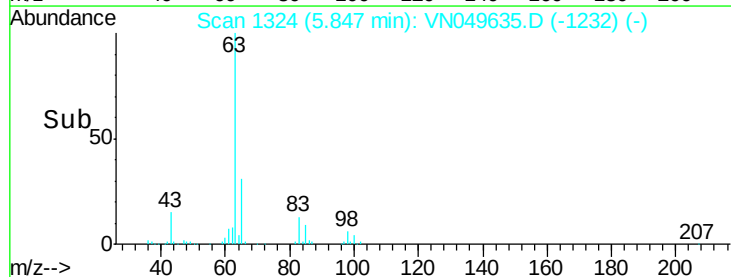
150000

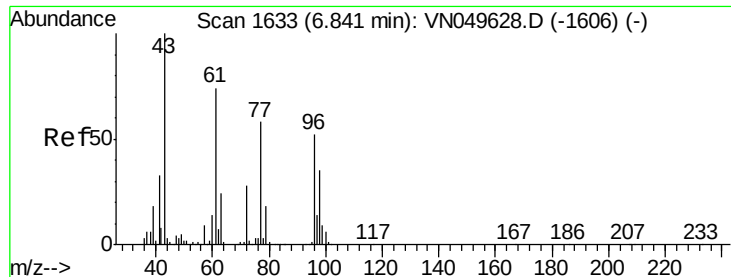
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

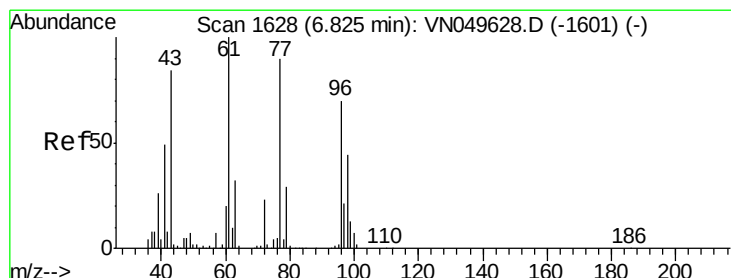
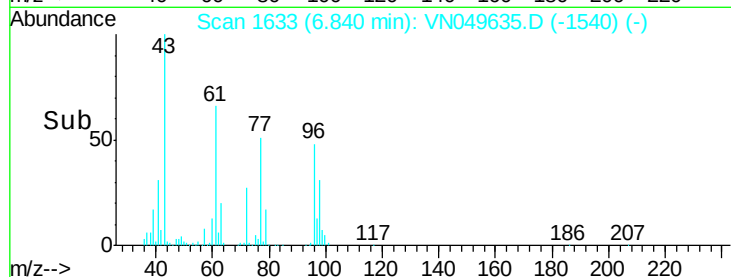
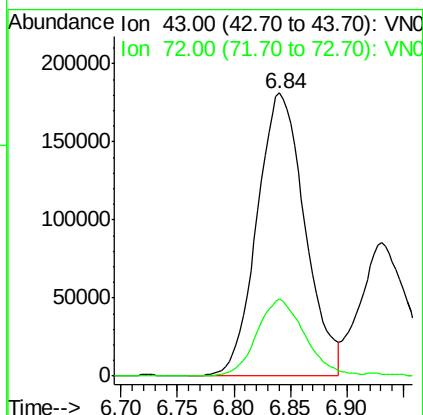
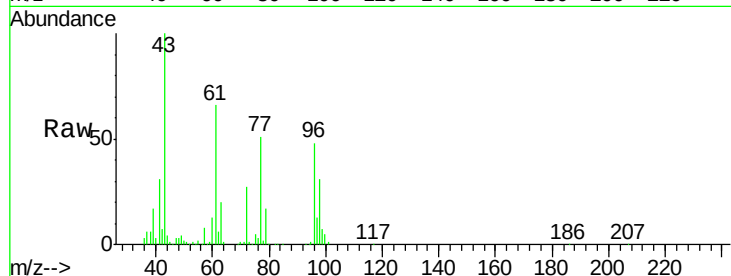




#25
2-Butanone
Concen: 89.99 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

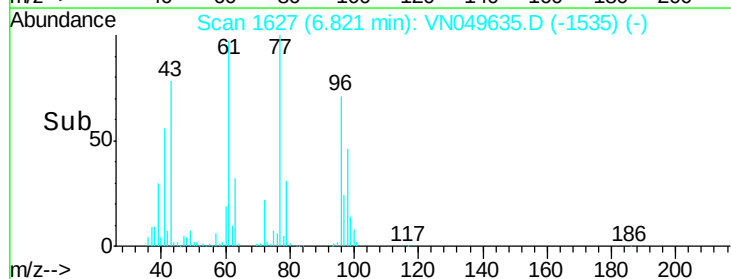
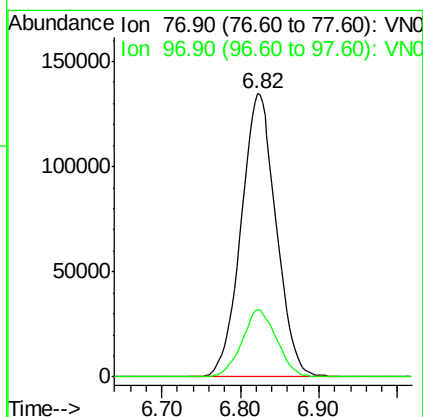
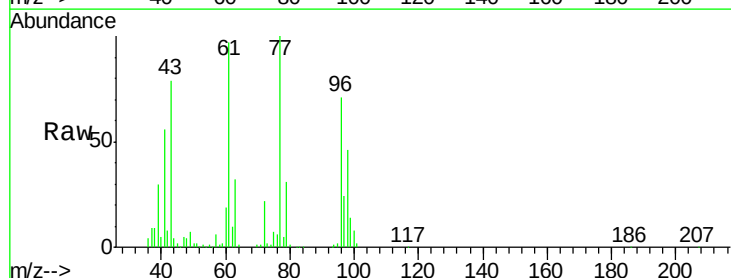
Instrument :
MSVOA_N
ClientSampled :

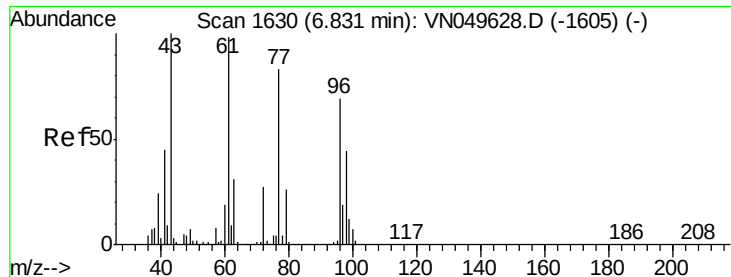
Tot Ion: 43 Resp: 530310
Ion Ratio Lower Upper
43 100
72 27.4 20.2 30.2



#26
2,2-Dichloropropane
Concen: 16.43 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 77 Resp: 421864
Ion Ratio Lower Upper
77 100
97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 16.90 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :

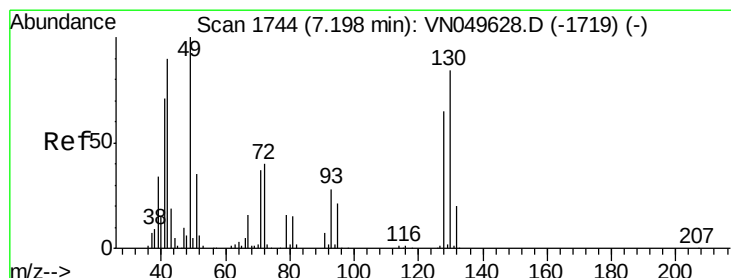
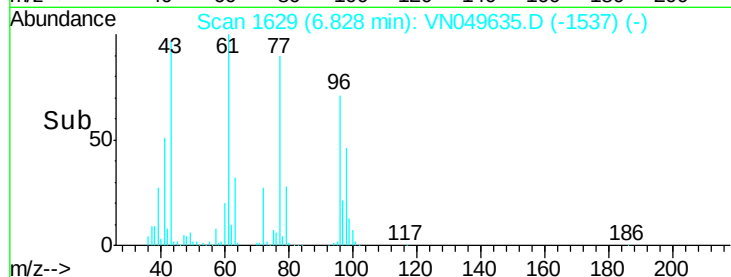
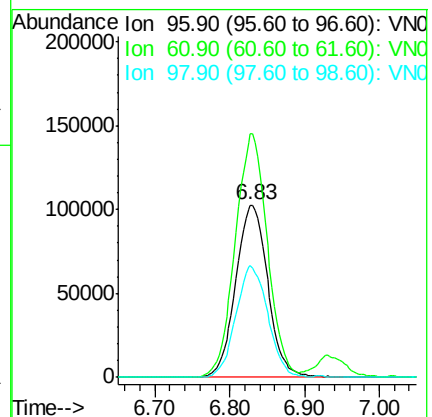
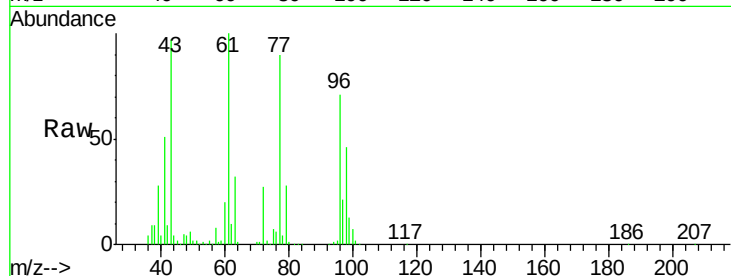
Tot Ion: 96 Resp: 306768

Ion Ratio Lower Upper

96 100

61 141.1 0.0 316.4

98 64.5 0.0 128.4



#28

Bromochloromethane

Concen: 15.07 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

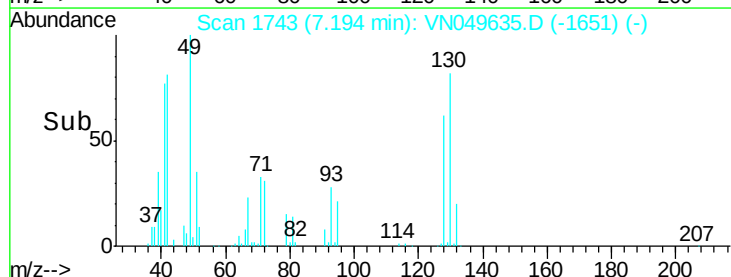
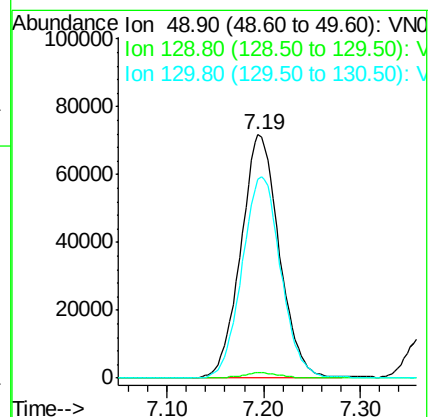
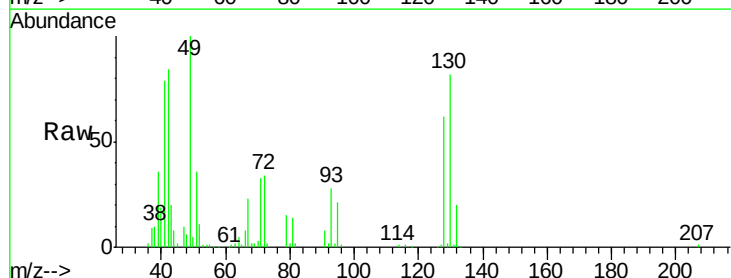
Tgt Ion: 49 Resp: 197719

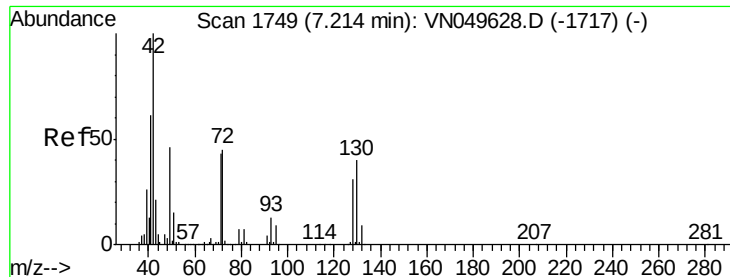
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 83.6 54.9 82.3#





#29

Tetrahydrofuran

Concen: 90.98 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

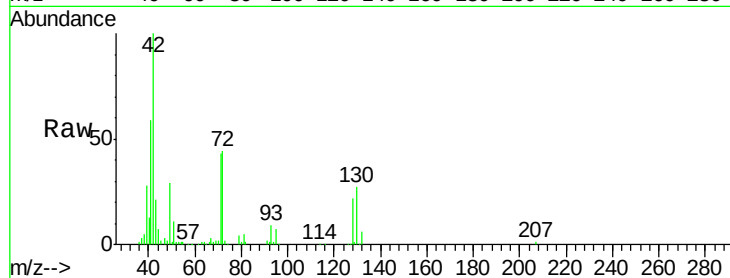
Tot Ion: 42 Resp: 341736

Ion Ratio Lower Upper

42 100

72 43.5 32.2 48.4

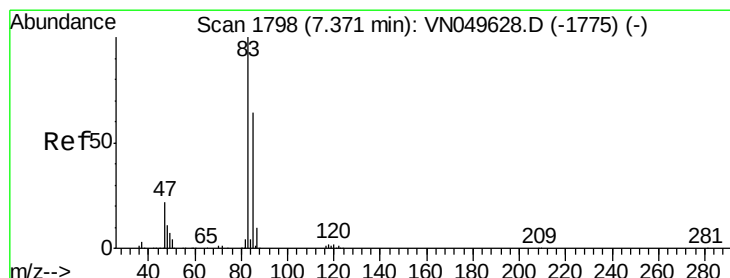
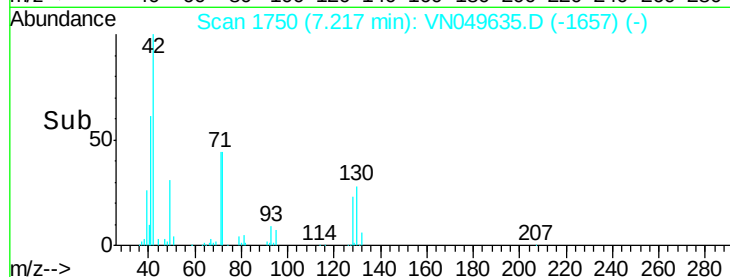
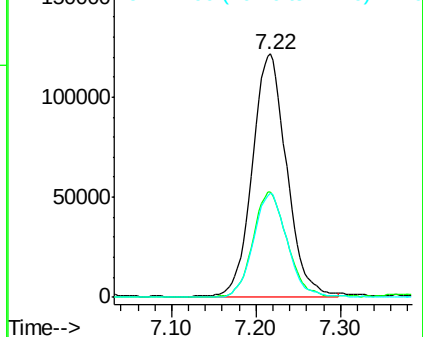
71 42.1 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 16.47 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049635.D

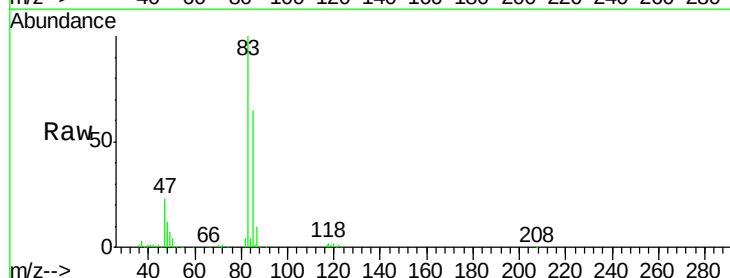
Acq: 29 Jun 2018 16:58

Tgt Ion: 83 Resp: 518925

Ion Ratio Lower Upper

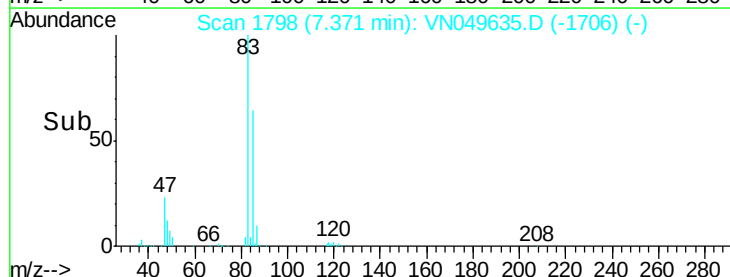
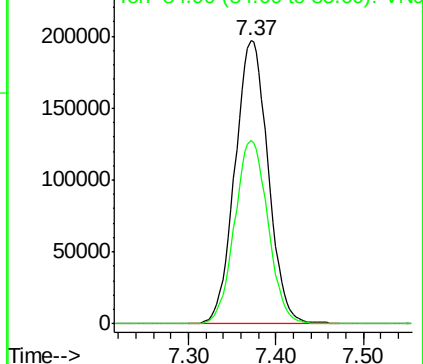
83 100

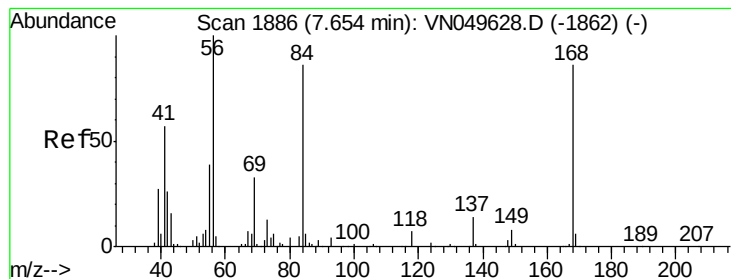
85 64.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 15.78 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

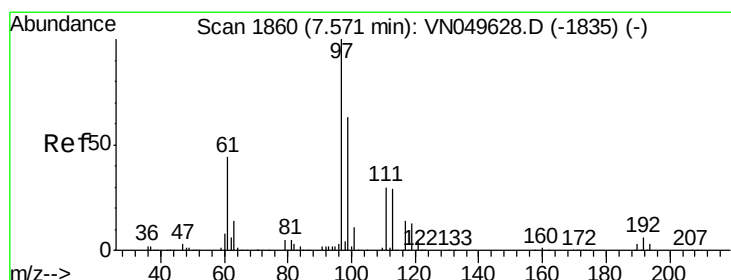
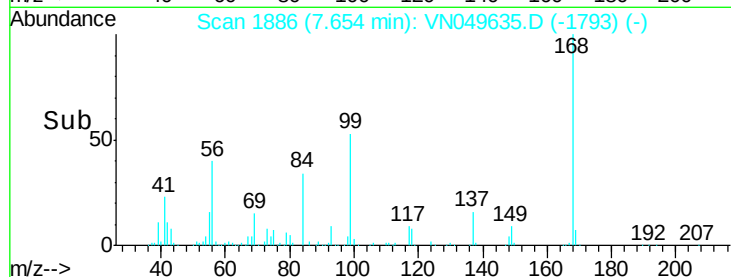
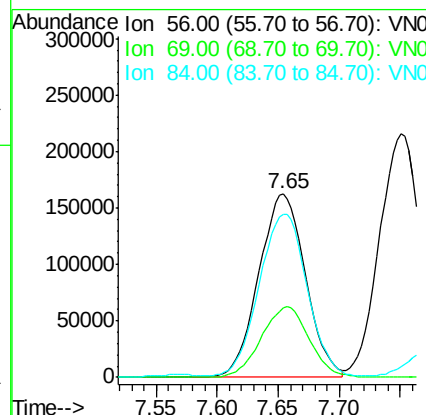
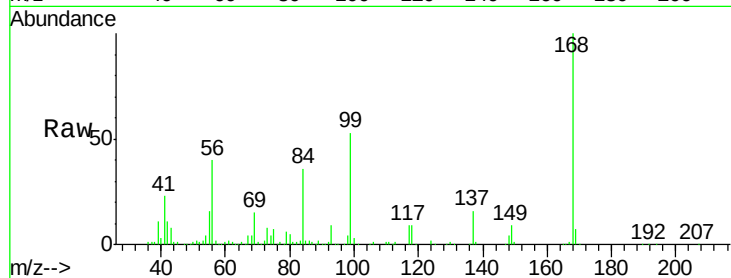
Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 431660

Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.0	37.4#
84	87.7	64.6	96.8



#32

1,1,1-Trichloroethane

Concen: 16.50 ug/l

RT: 7.57 min Scan# 1859

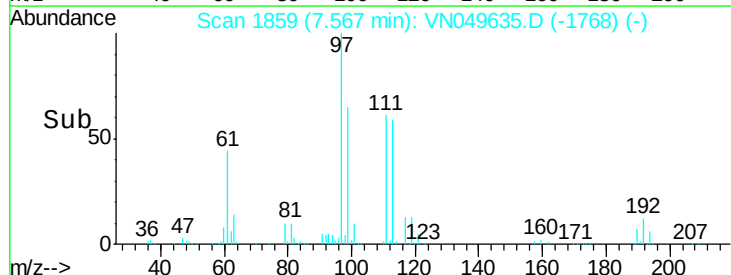
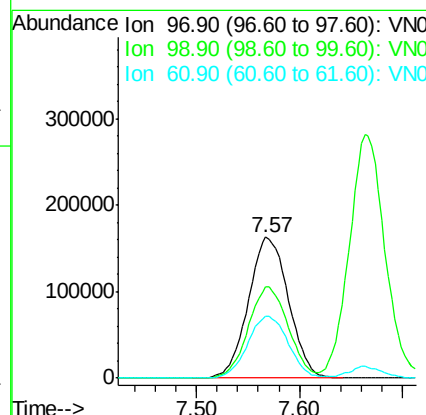
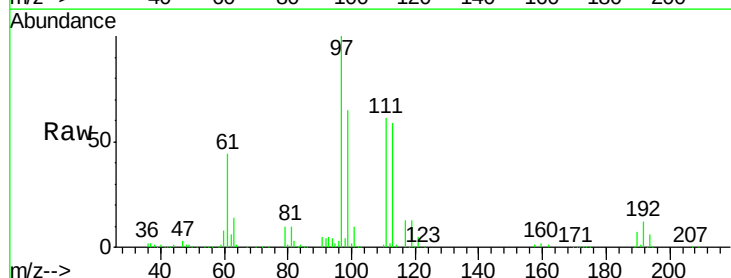
Delta R.T. -0.01 min

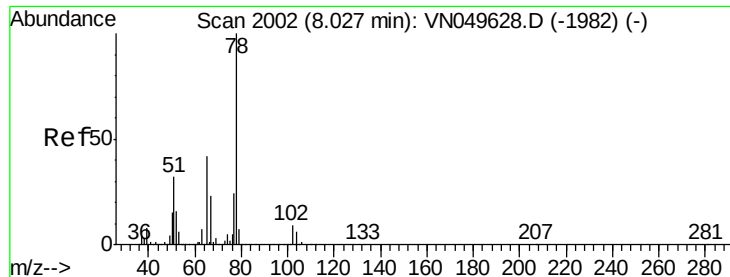
Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 97 Resp: 440043

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.5	75.7
61	44.3	37.9	56.9

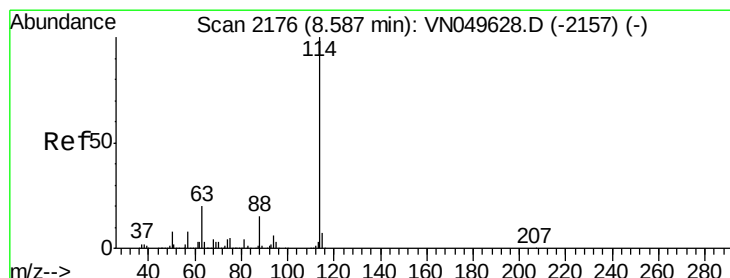
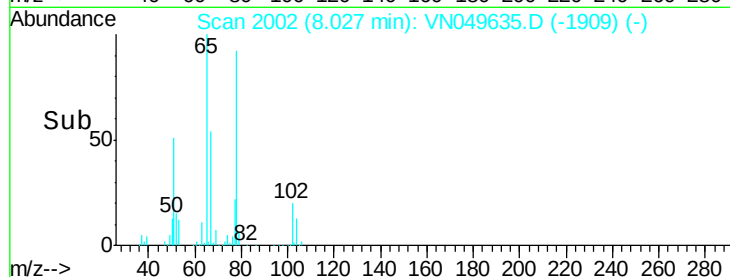
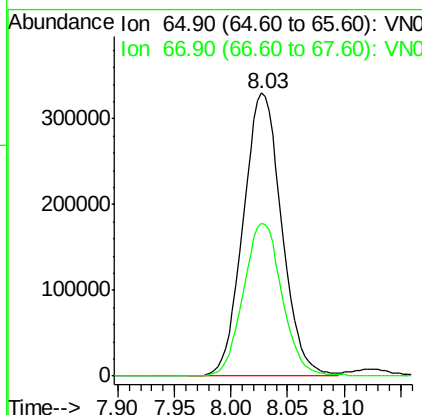
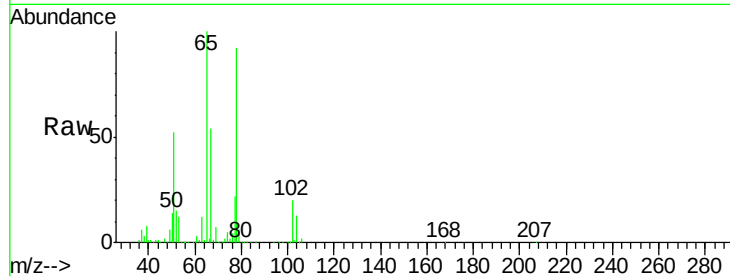




#33
 1,2-Dichloroethane-d4
 Concen: 44.02 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

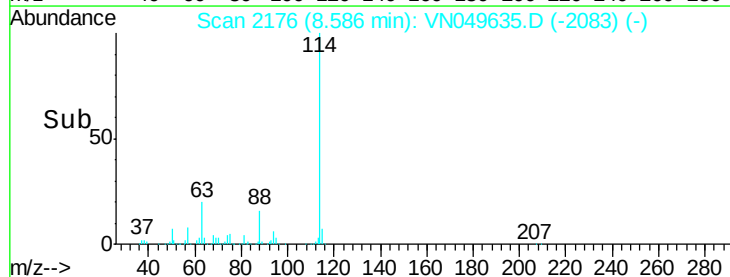
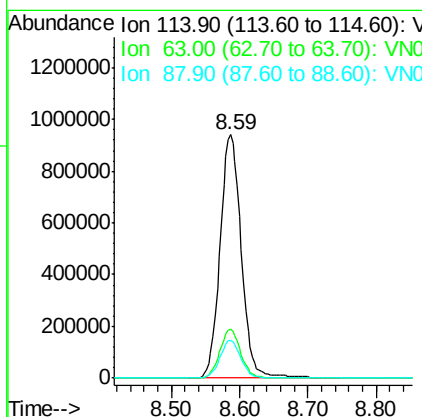
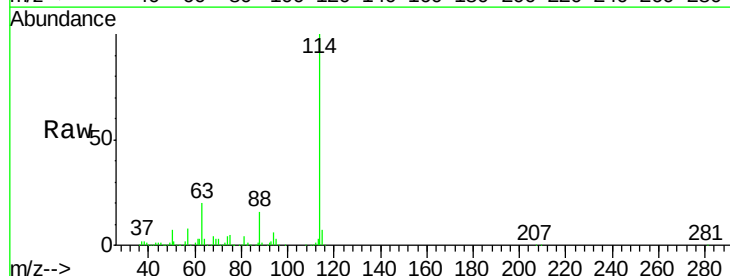
Instrument :
 MSVOA_N
 ClientSampleId :

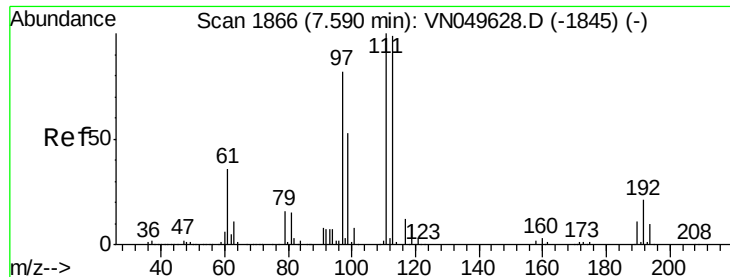
Tot Ion: 65 Resp: 781429
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion: 114 Resp: 2033127
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.5 0.0 31.4

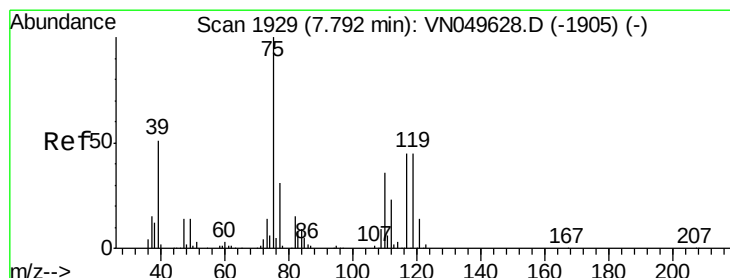
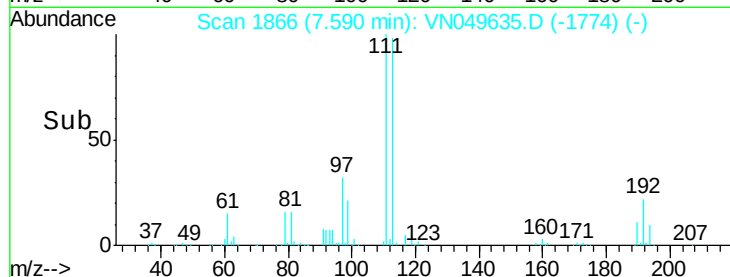
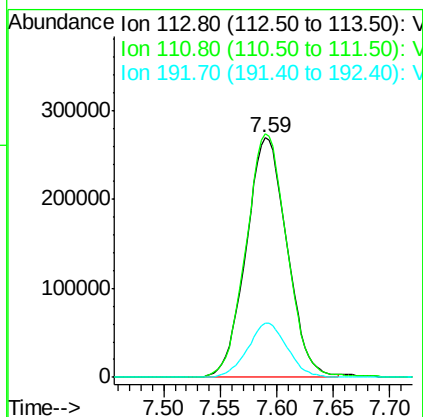
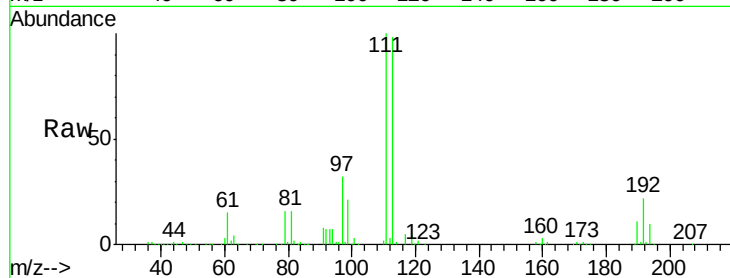




#35
Dibromofluoromethane
Concen: 44.53 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

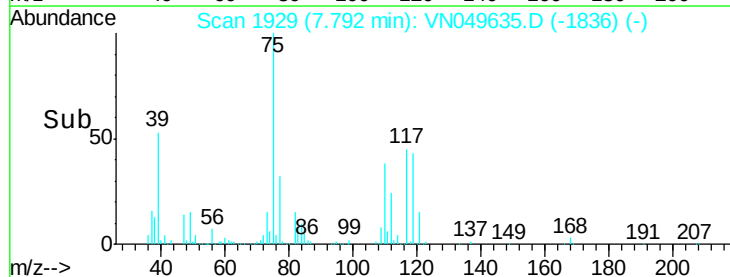
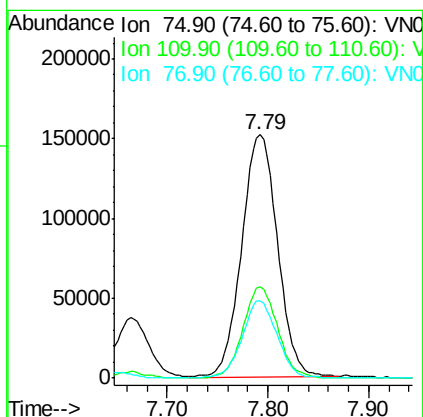
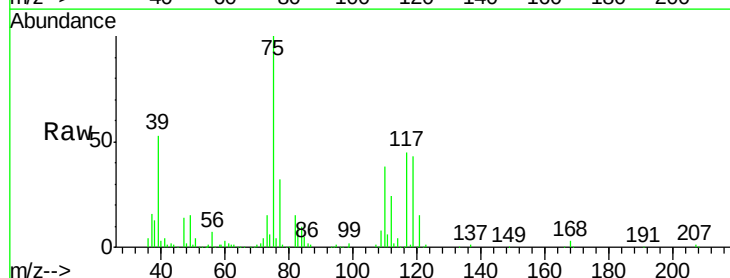
Instrument :
MSVOA_N
ClientSampleId :

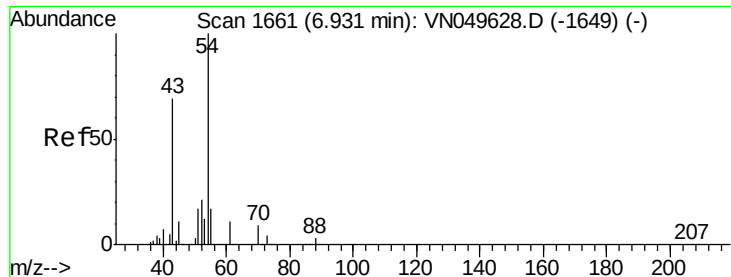
Tot Ion:113 Resp: 676902
Ion Ratio Lower Upper
113 100
111 101.3 82.4 123.6
192 22.1 15.0 22.6



#36
1,1-Dichloropropene
Concen: 16.35 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 75 Resp: 373910
Ion Ratio Lower Upper
75 100
110 36.5 17.0 50.9
77 31.3 24.4 36.6

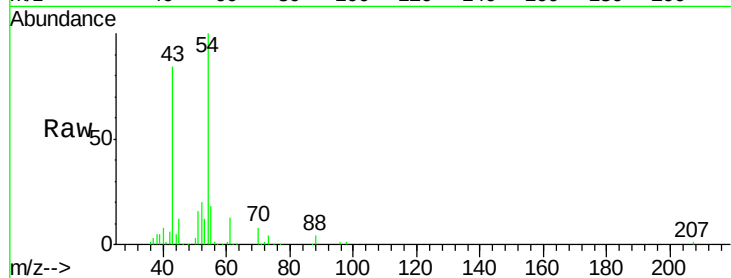




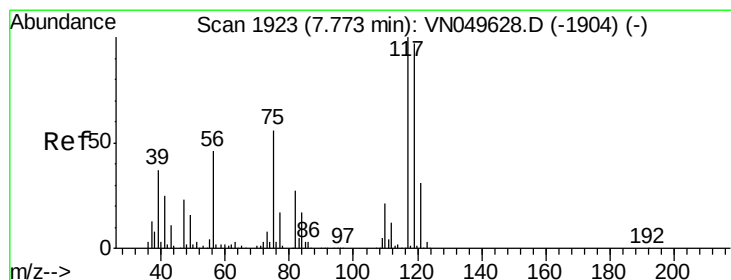
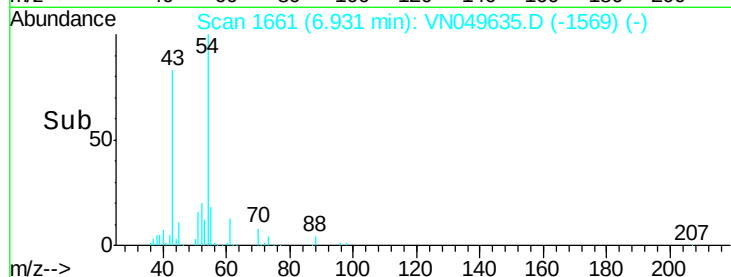
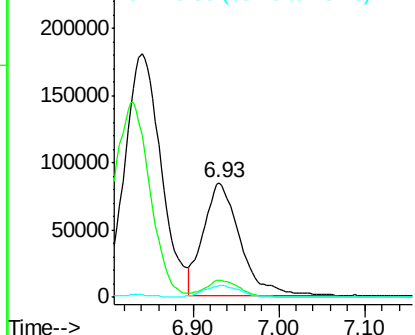
#37
Ethyl Acetate
Concen: 18.88 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 251904
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 9.3 7.2 10.8

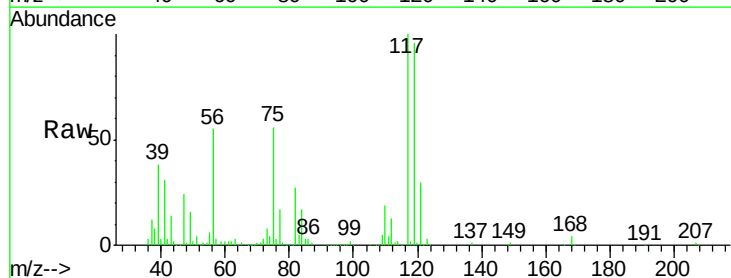


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

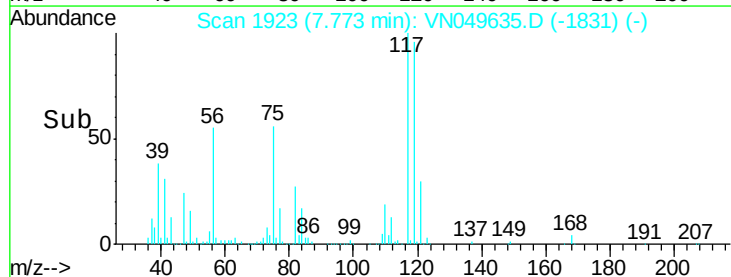
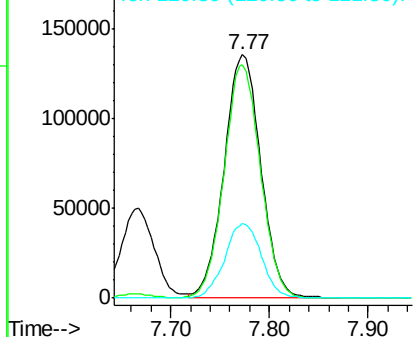


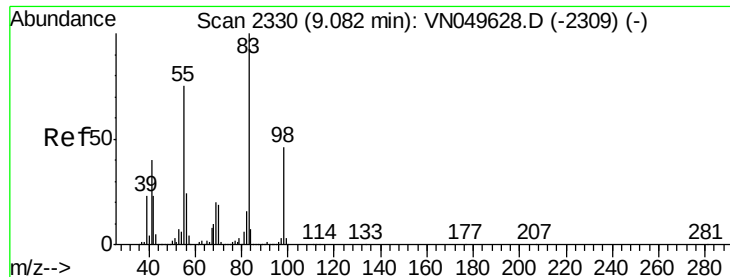
#38
Carbon Tetrachloride
Concen: 15.74 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 117 Resp: 350293
Ion Ratio Lower Upper
117 100
119 95.6 75.6 113.4
121 30.5 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

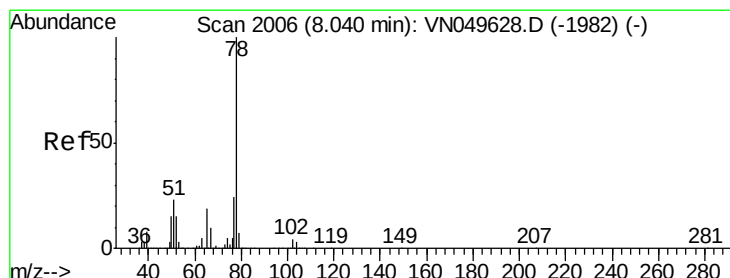
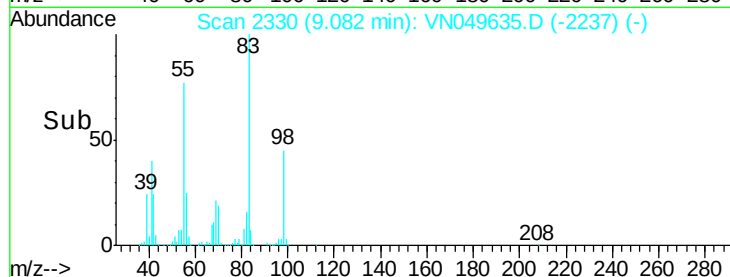
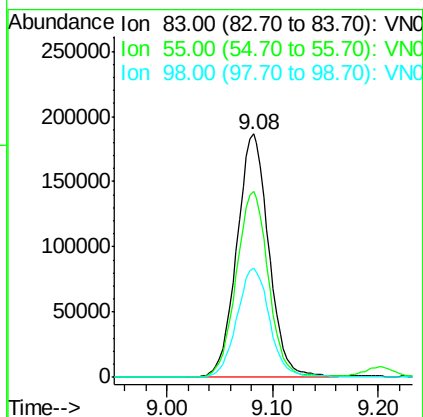
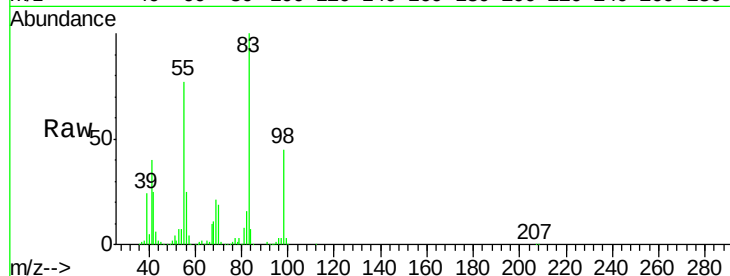




#39
Methylvlcyclohexane
Concen: 15.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

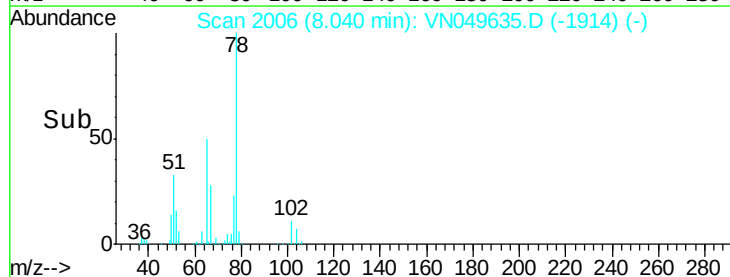
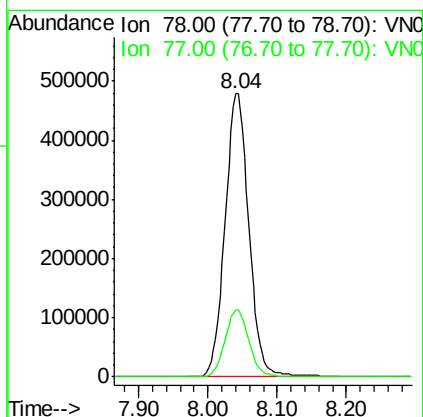
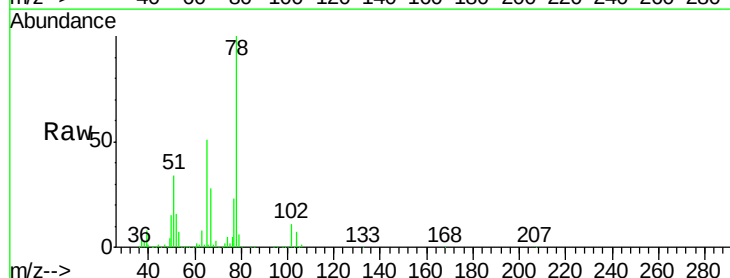
Instrument :
MSVOA_N
ClientSampleId :

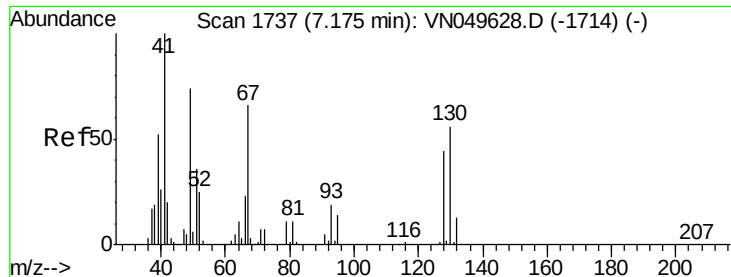
Tot Ion: 83 Resp: 392661
Ion Ratio Lower Upper
83 100
55 76.7 65.1 97.7
98 44.8 36.5 54.7



#40
Benzene
Concen: 16.47 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 78 Resp: 1150402
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0





#41

Methacrylonitrile

Concen: 14.64 ug/l

RT: 7.17 min Scan# 1736

Delta R.T. -0.01 min

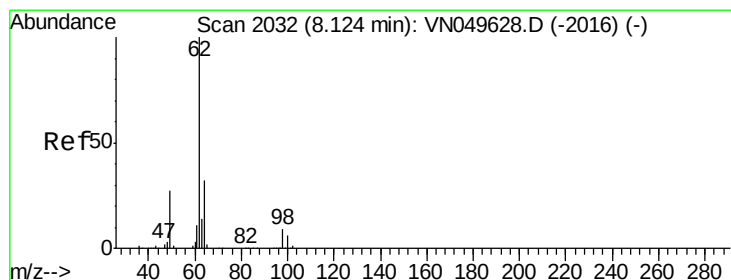
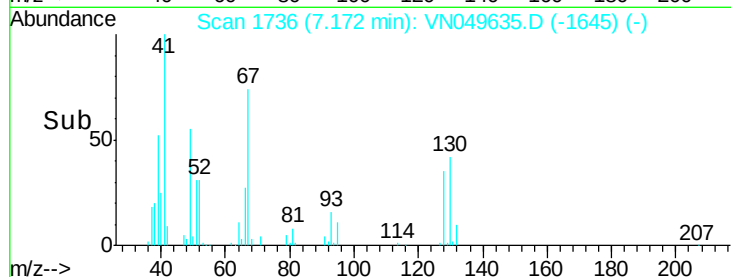
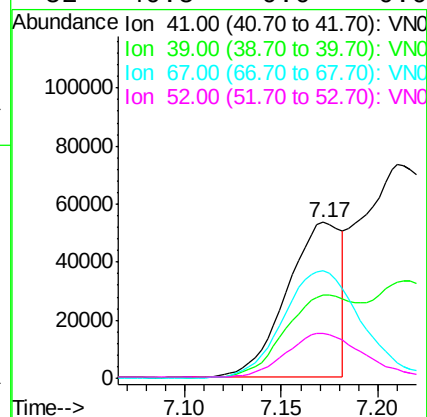
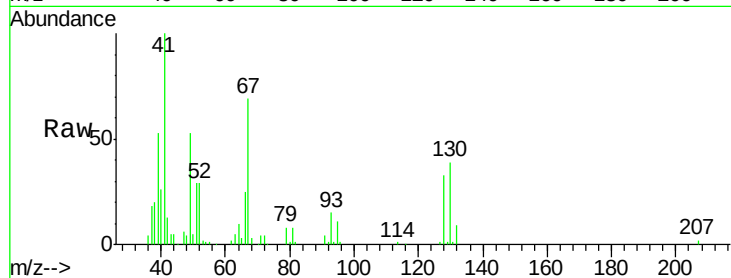
Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 104289

Ion	Ratio	Lower	Upper
41	100		
39	69.5	0.0	0.0#
67	101.2	0.0	0.0#
52	40.5	0.0	0.0#



#42

1,2-Dichloroethane

Concen: 16.39 ug/l

RT: 8.12 min Scan# 2032

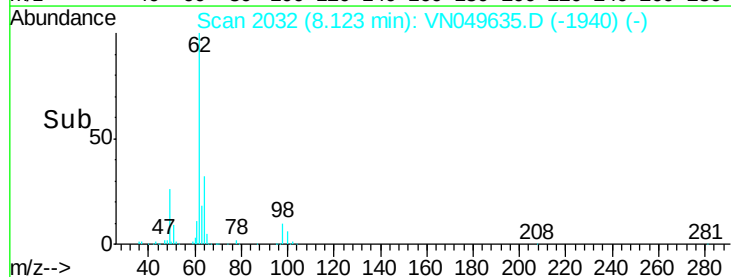
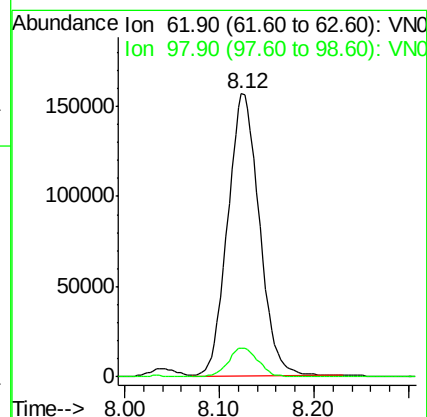
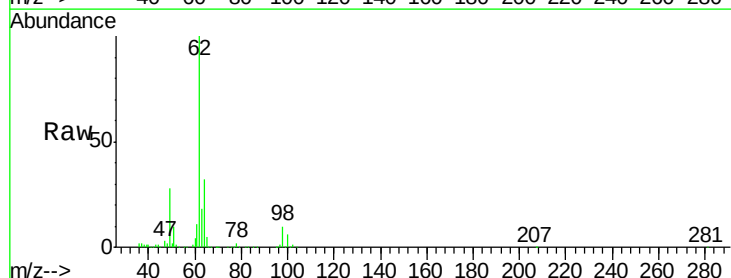
Delta R.T. -0.00 min

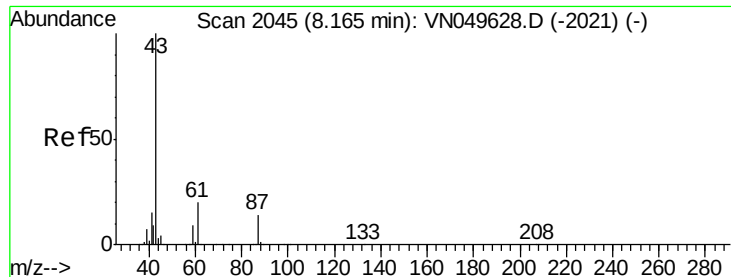
Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 62 Resp: 365305

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 17.42 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

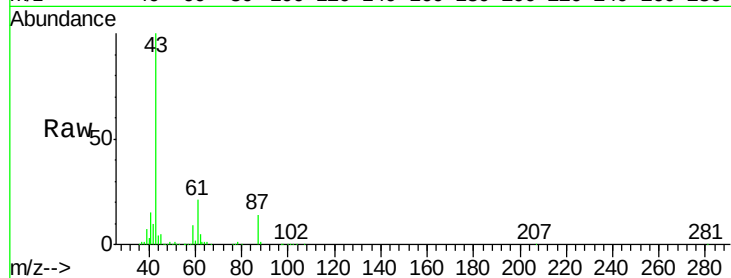
Tot Ion: 43 Resp: 471436

Ion Ratio Lower Upper

43 100

61 17.9 14.2 21.4

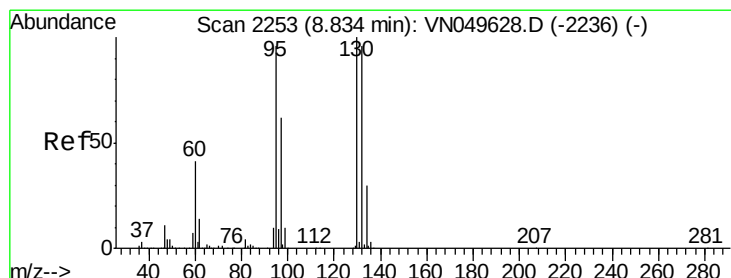
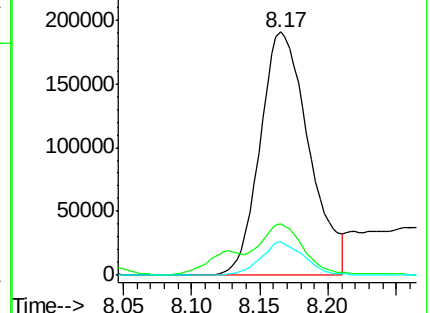
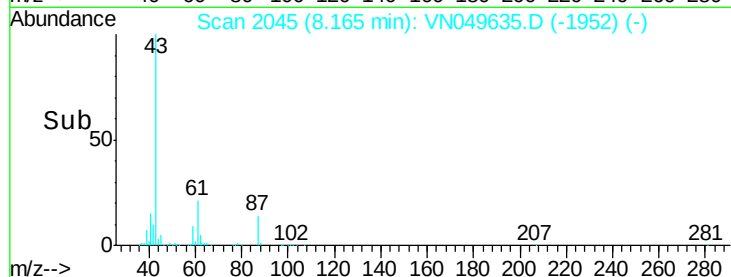
87 12.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049635.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049635.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049635.D (-1952) (-)



#44

Trichloroethene

Concen: 15.98 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049635.D

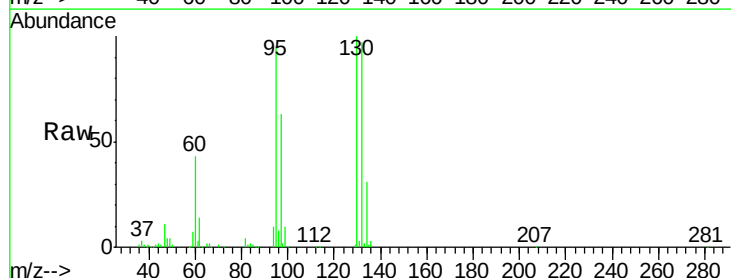
Acq: 29 Jun 2018 16:58

Tgt Ion:130 Resp: 336654

Ion Ratio Lower Upper

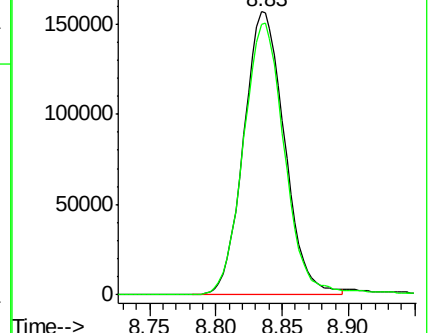
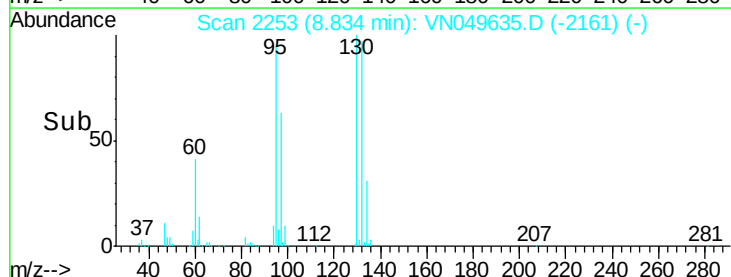
130 100

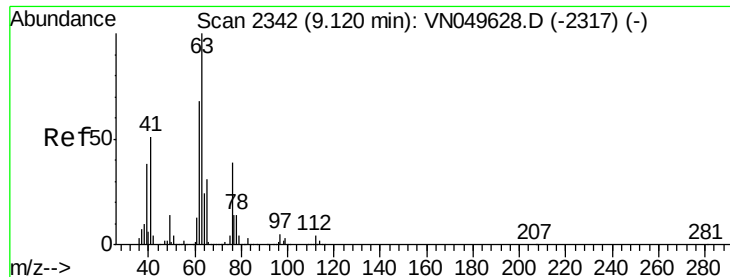
95 95.5 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049635.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049635.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 17.02 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

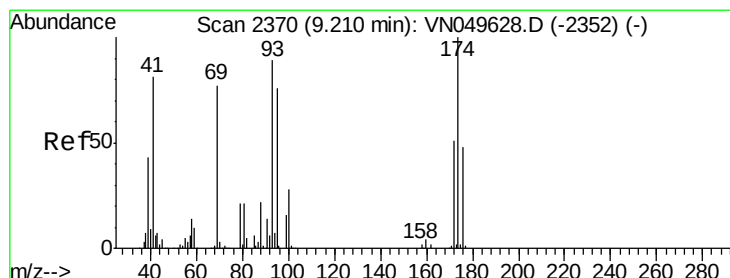
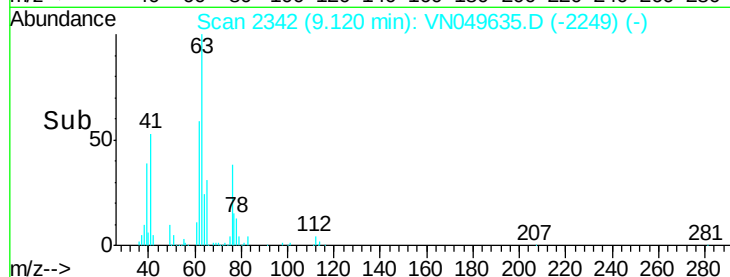
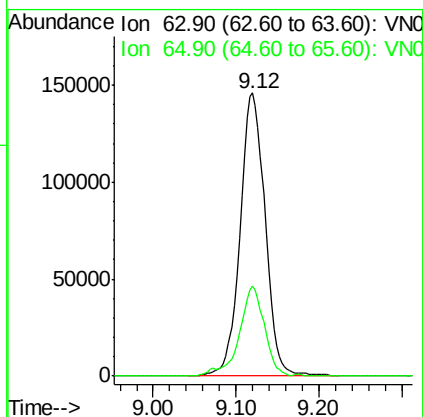
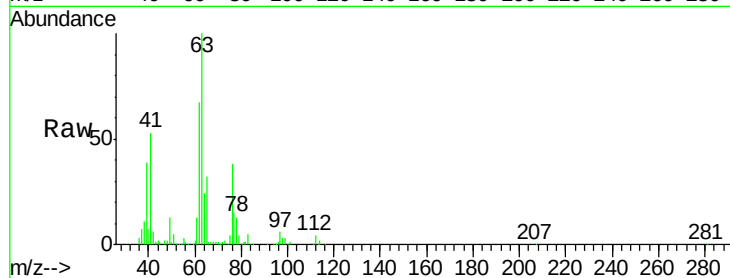
ClientSampleId :

Tot Ion: 63 Resp: 307061

Ion Ratio Lower Upper

63 100

65 31.7 24.8 37.2



#46

Dibromomethane

Concen: 16.28 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

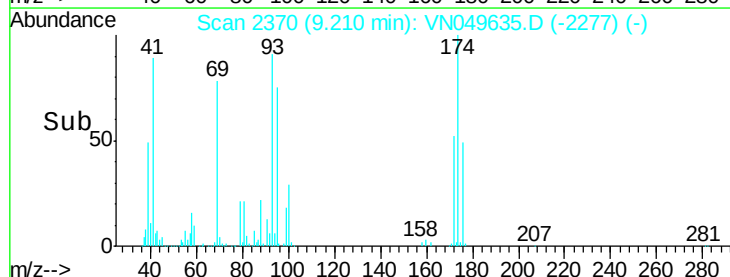
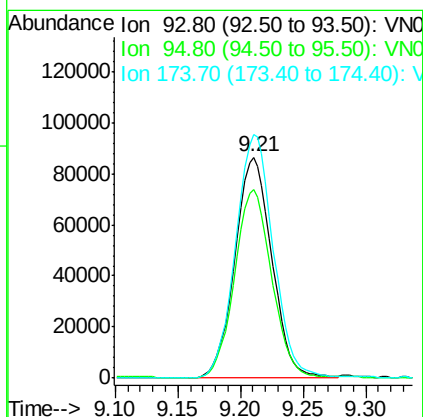
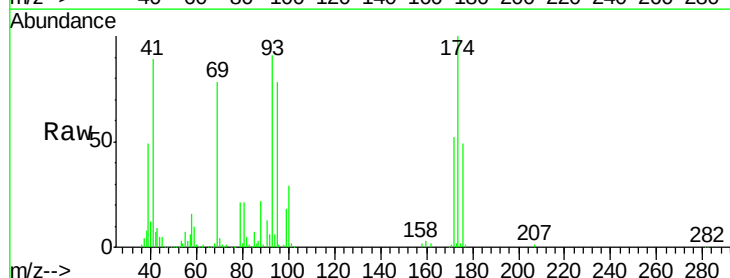
Tgt Ion: 93 Resp: 177675

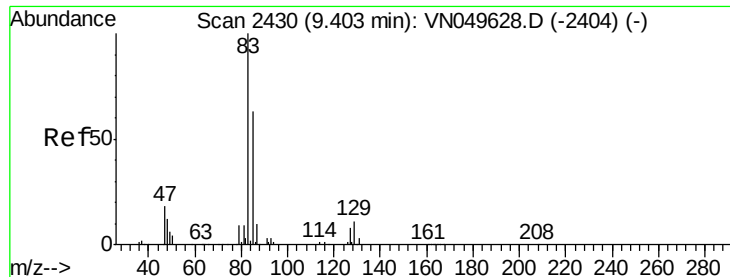
Ion Ratio Lower Upper

93 100

95 85.4 67.2 100.8

174 112.5 75.6 113.4





#47

Bromodichloromethane

Concen: 16.27 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

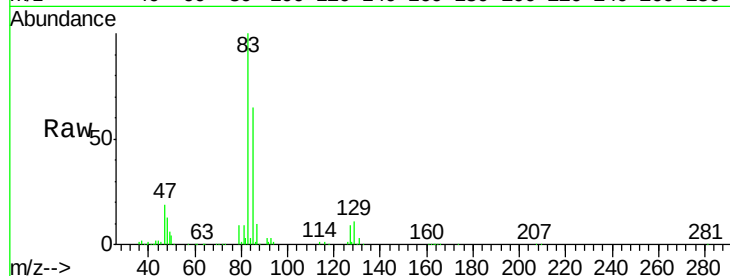
Tot Ion: 83 Resp: 378107

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.0

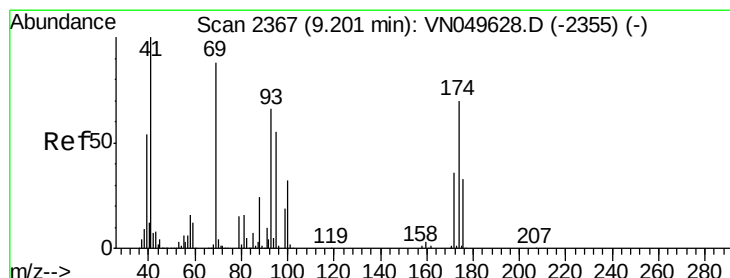
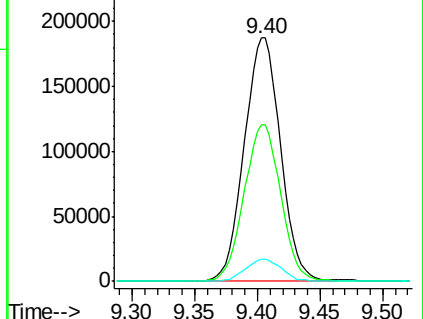
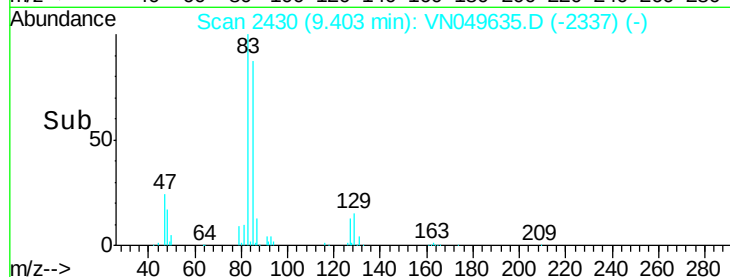
127 9.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049635.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049635.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049635.D (-2337) (-)



#48

Methyl methacrylate

Concen: 17.52 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

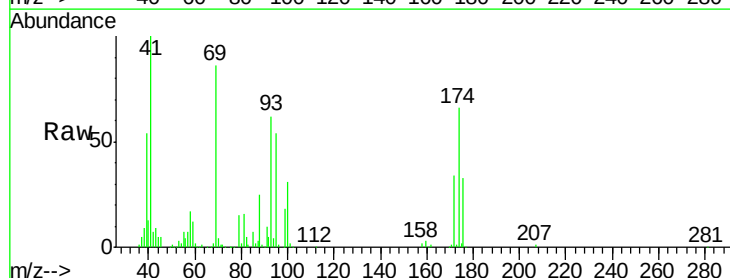
Tgt Ion: 41 Resp: 207733

Ion Ratio Lower Upper

41 100

69 89.0 62.0 93.0

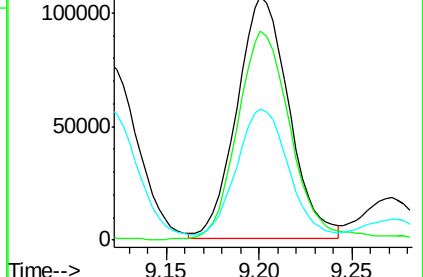
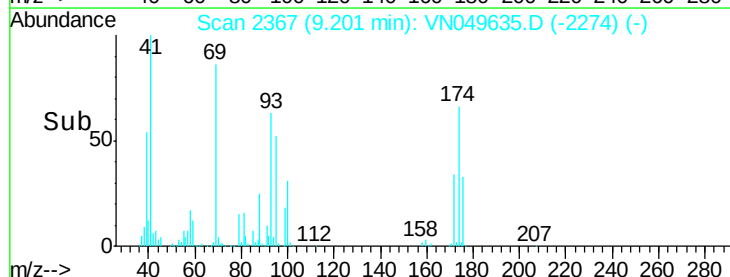
39 55.0 50.6 75.8

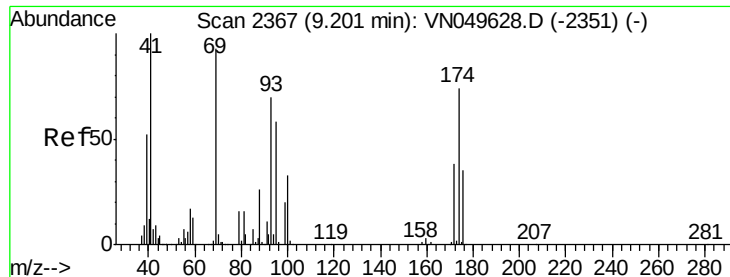


Abundance Ion 41.00 (40.70 to 41.70): VN049635.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049635.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049635.D (-2274) (-)

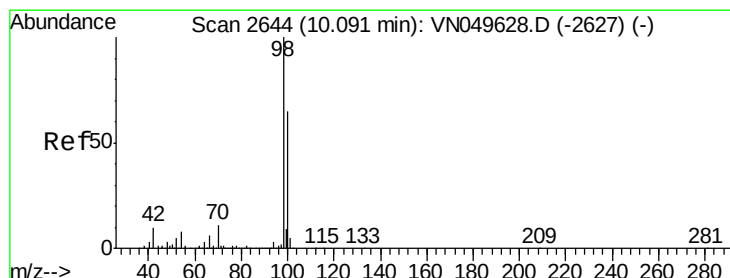
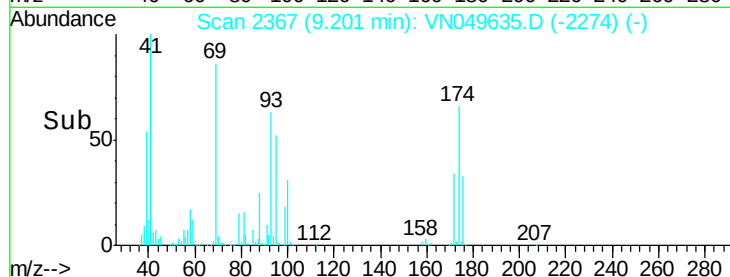
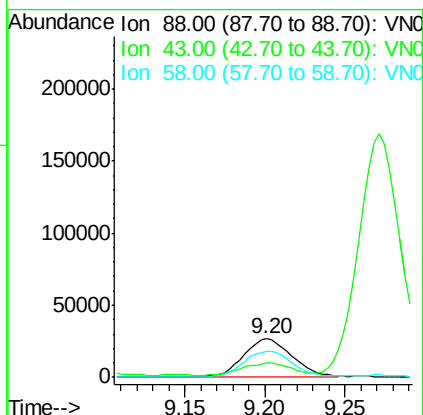
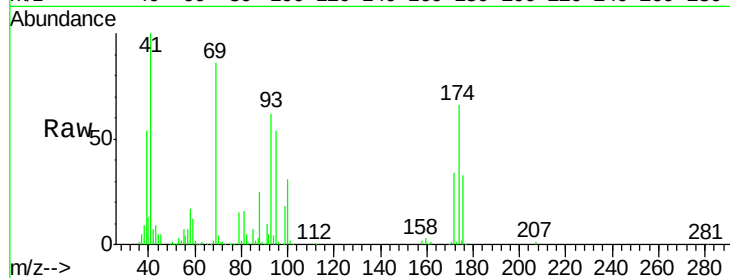




#49
1,4-Dioxane
Concen: 350.56 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

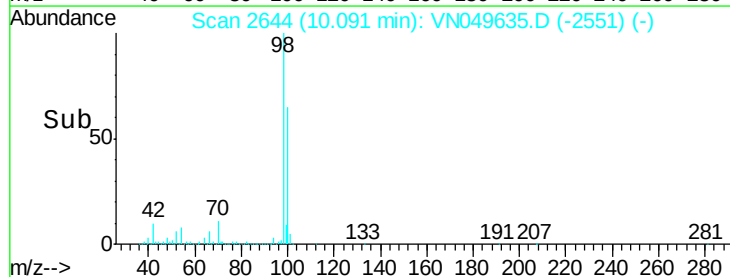
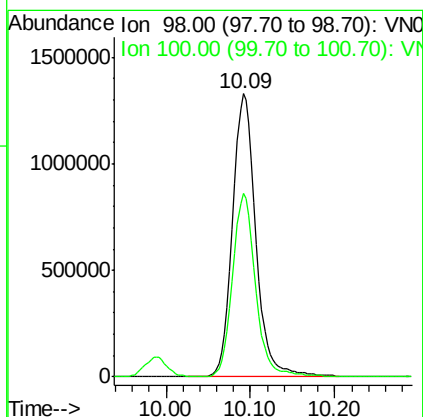
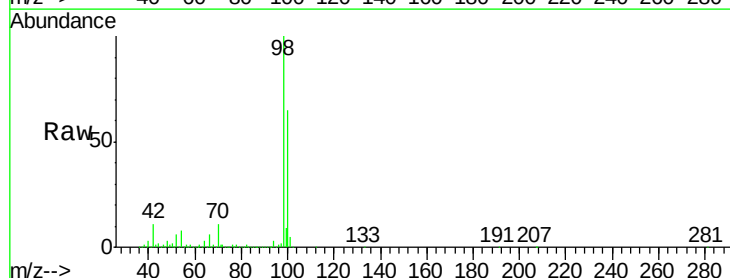
Instrument :
MSVOA_N
ClientSampleId :

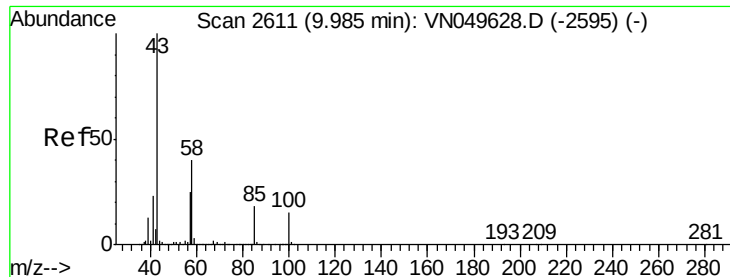
Tot Ion: 88 Resp: 55875
Ion Ratio Lower Upper
88 100
43 32.1 30.9 46.3
58 70.5 58.9 88.3



#50
Toluene-d8
Concen: 43.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 98 Resp: 2568345
Ion Ratio Lower Upper
98 100
100 64.2 49.8 74.8

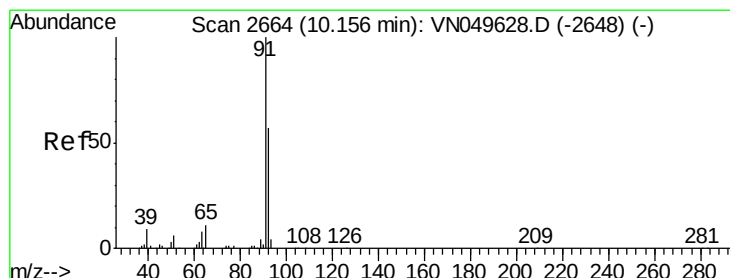
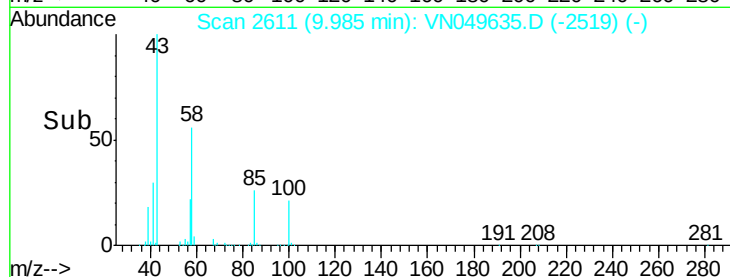
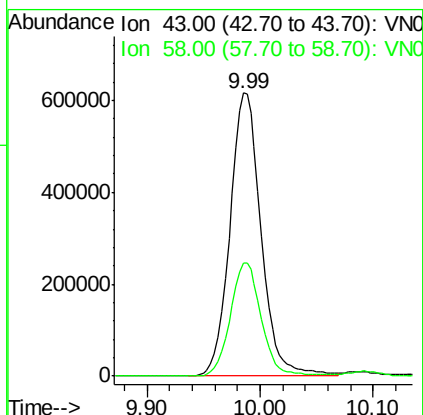
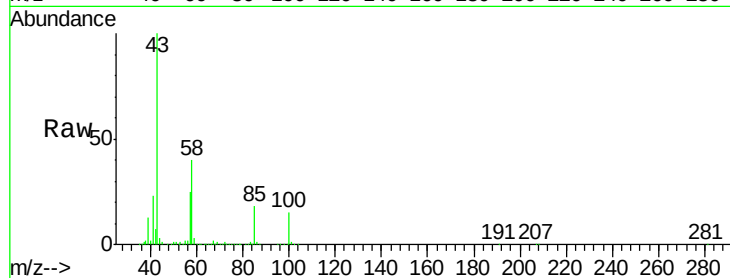




#51
 4-Methyl-2-Pentanone
 Concen: 89.68 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

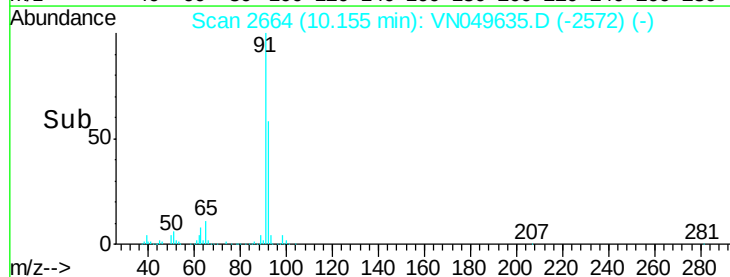
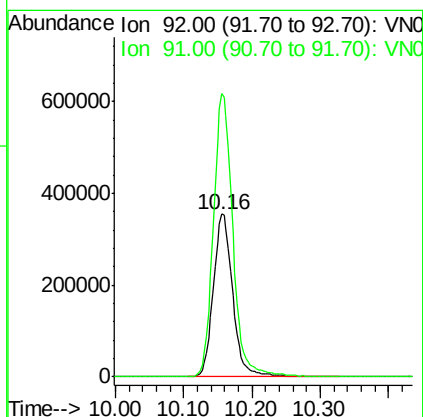
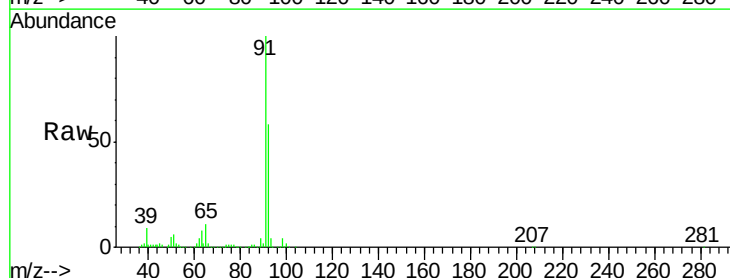
Instrument :
 MSVOA_N
 ClientSampleId :

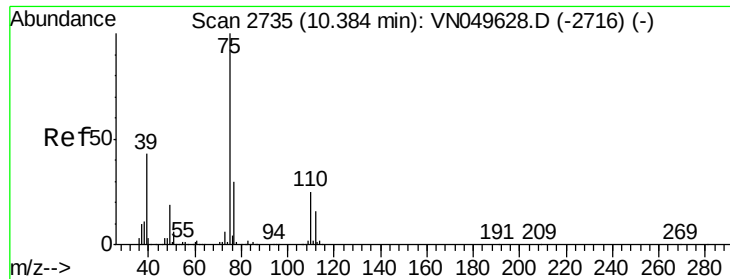
Tot Ion: 43 Resp: 1173122
 Ion Ratio Lower Upper
 43 100
 58 40.0 29.0 43.6



#52
 Toluene
 Concen: 16.61 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion: 92 Resp: 700920
 Ion Ratio Lower Upper
 92 100
 91 174.8 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 16.11 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

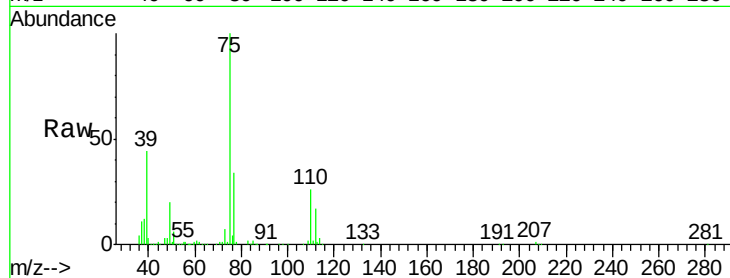
ClientSampleId :

Tot Ion: 75 Resp: 358420

Ion Ratio Lower Upper

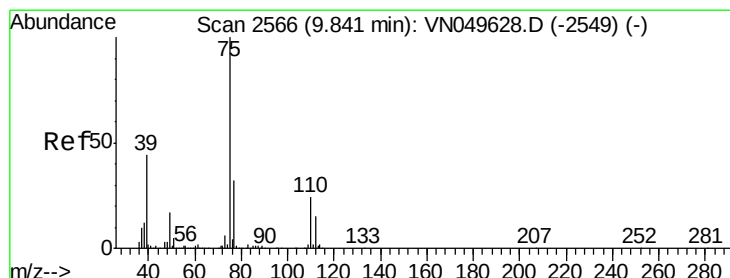
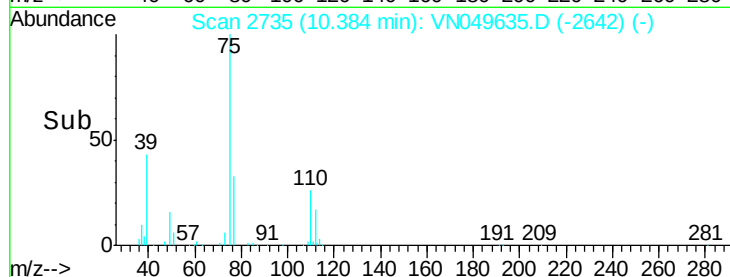
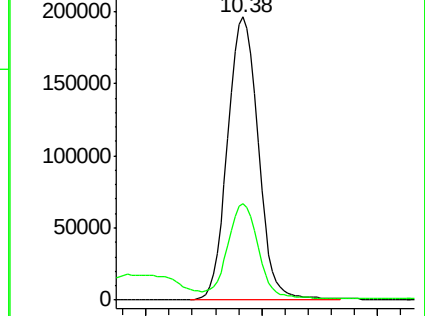
75 100

77 33.2 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 16.30 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

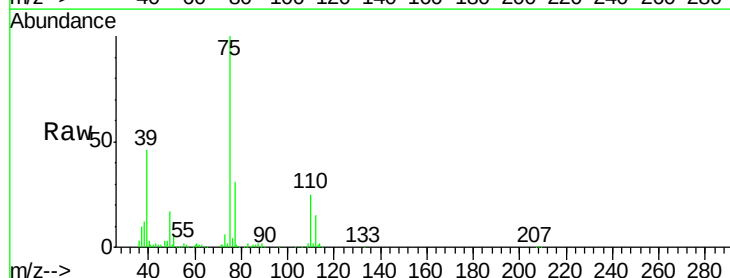
Tgt Ion: 75 Resp: 423932

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

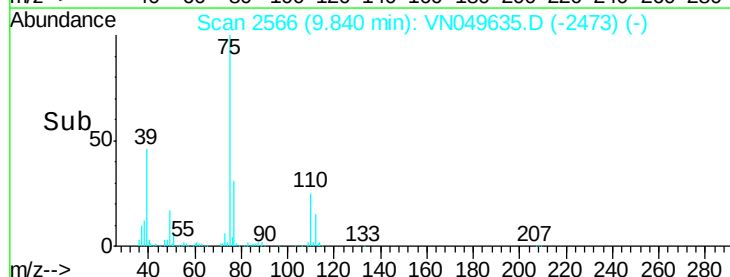
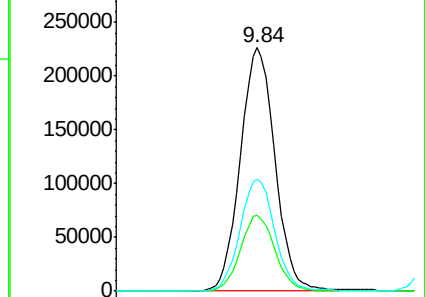
39 46.0 45.1 67.7

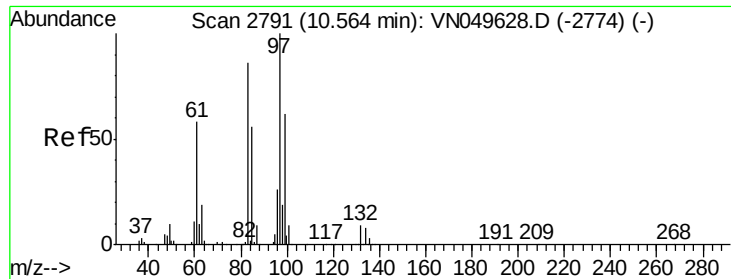


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

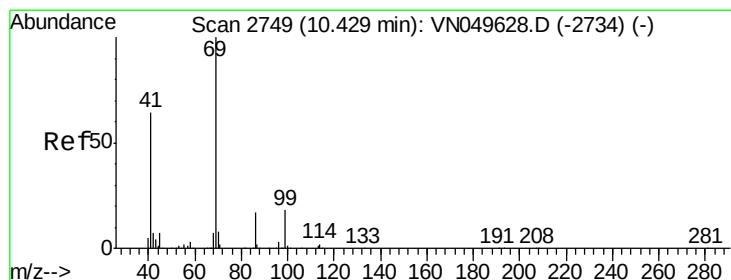
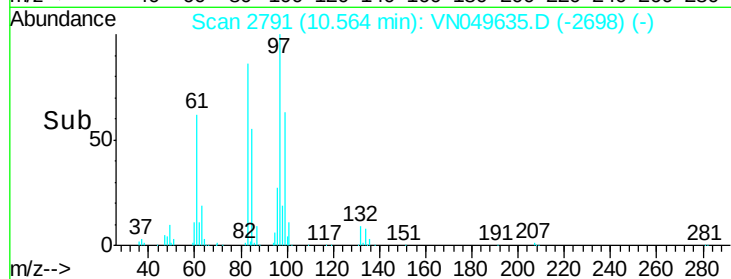
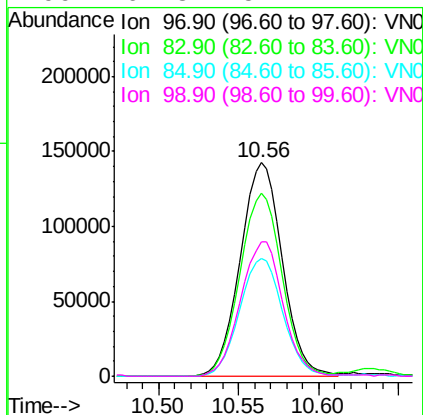
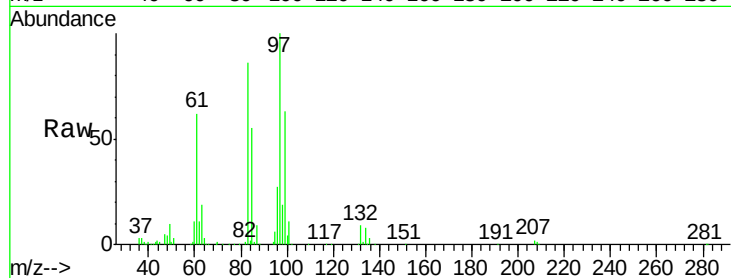




#55
 1,1,2-Trichloroethane
 Concen: 16.23 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

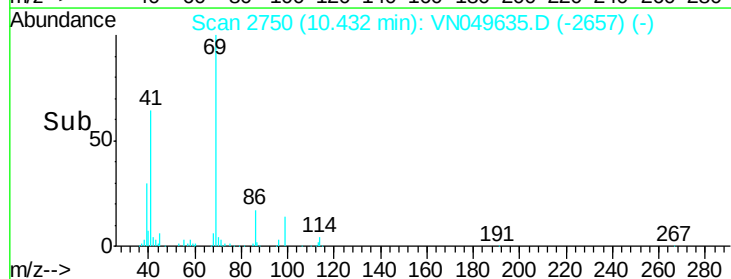
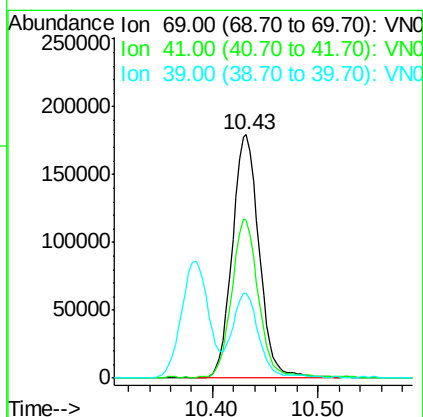
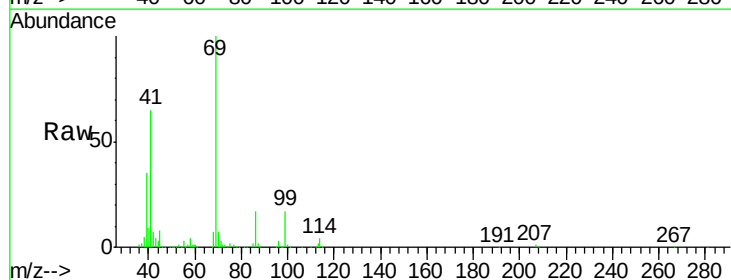
Instrument :
 MSVOA_N
 ClientSampled :

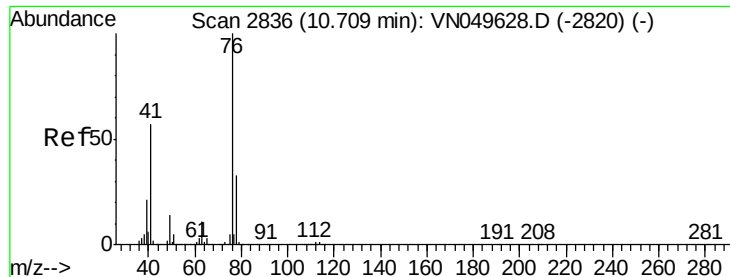
Tot Ion:	97	Resp:	254956
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.5	107.3
85	55.3	47.0	70.4
99	62.8	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 17.18 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion:	69	Resp:	316304
Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	31.6	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 17.02 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

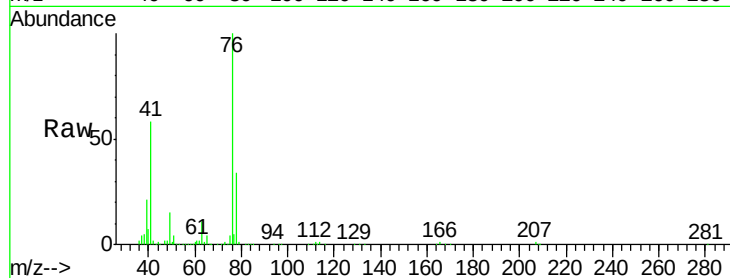
ClientSampleId :

Tot Ion: 76 Resp: 433500

Ion Ratio Lower Upper

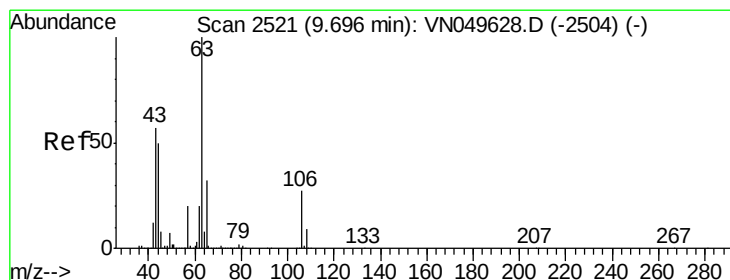
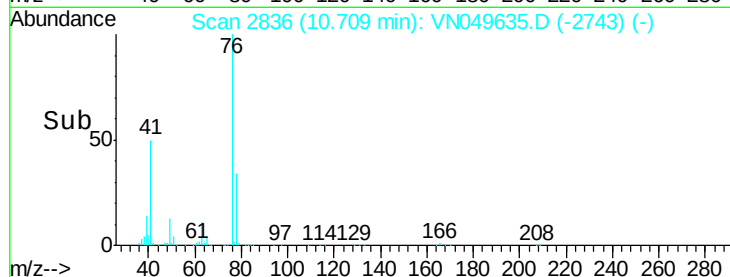
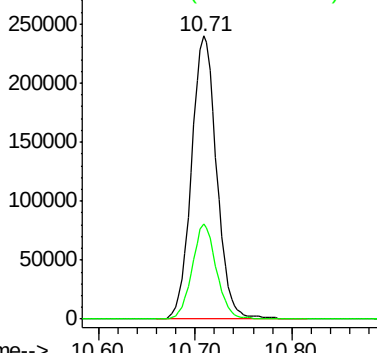
76 100

78 32.5 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 77.24 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049635.D

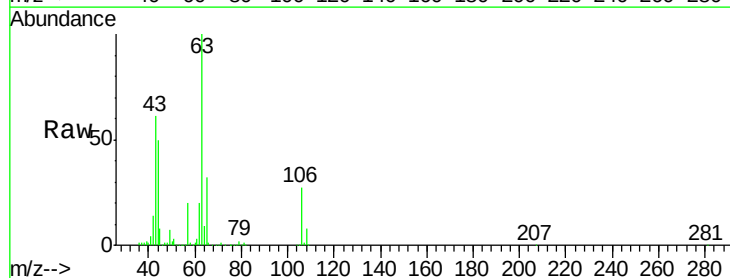
Acq: 29 Jun 2018 16:58

Tgt Ion: 63 Resp: 666255

Ion Ratio Lower Upper

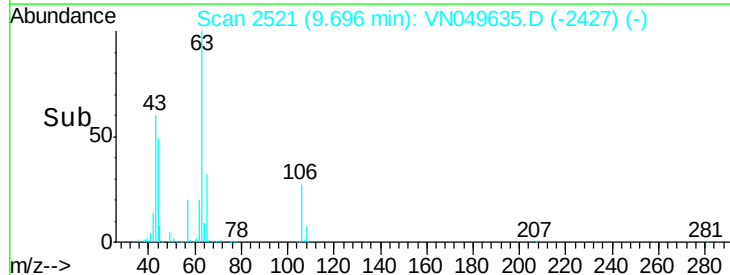
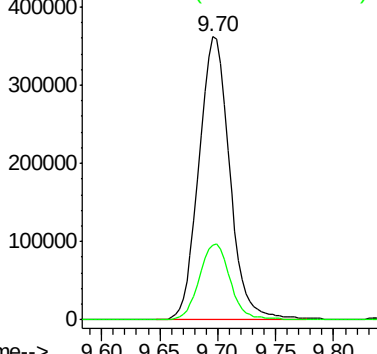
63 100

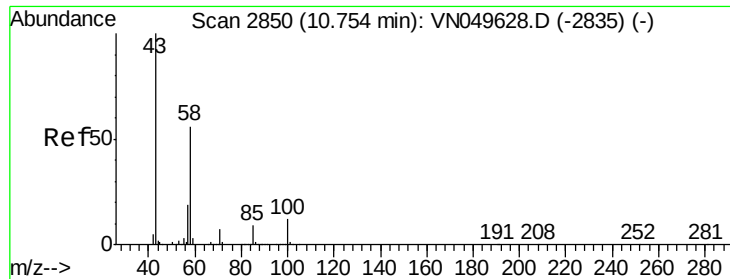
106 27.0 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

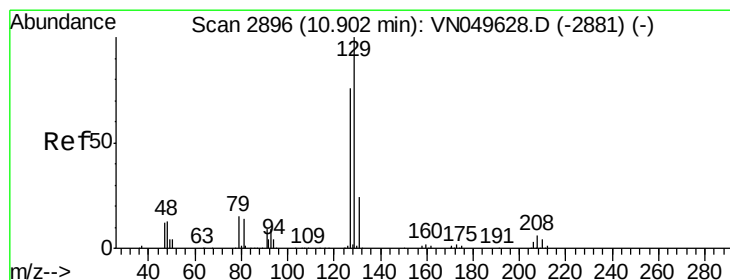
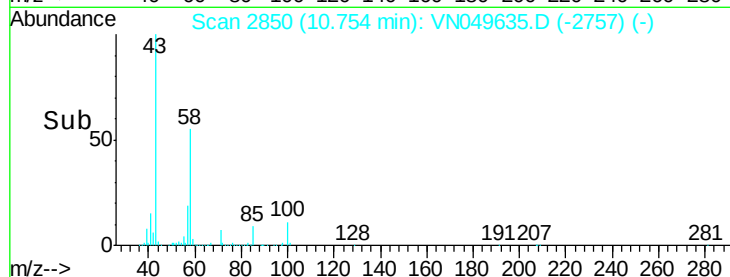
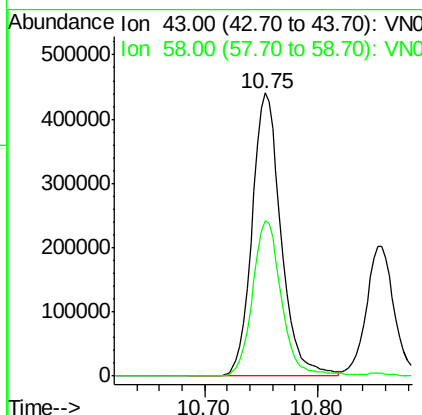
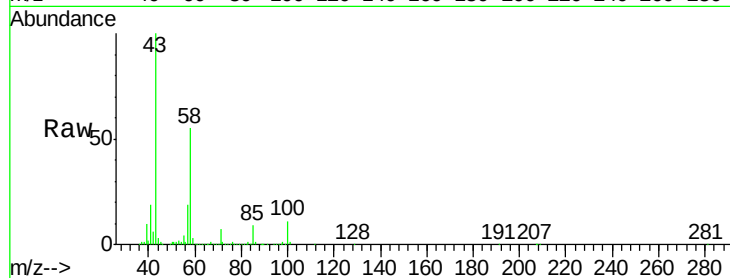




#59
2-Hexanone
Concen: 90.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

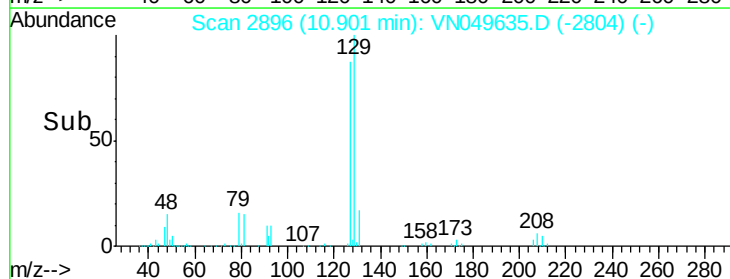
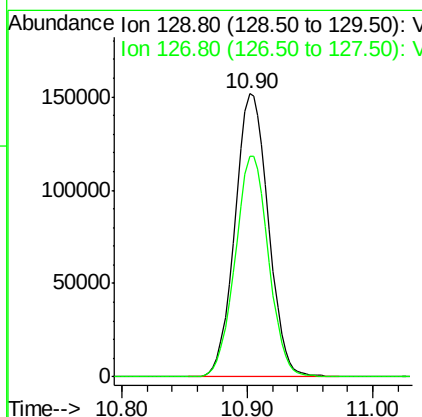
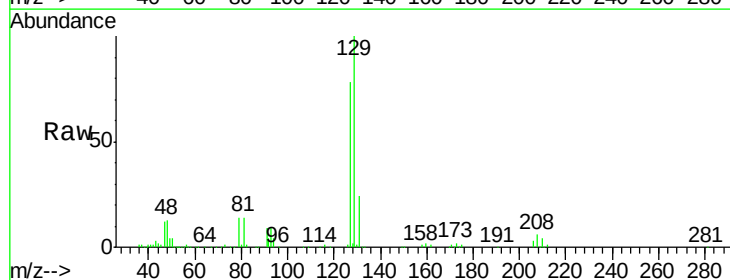
Instrument :
MSVOA_N
ClientSampled :

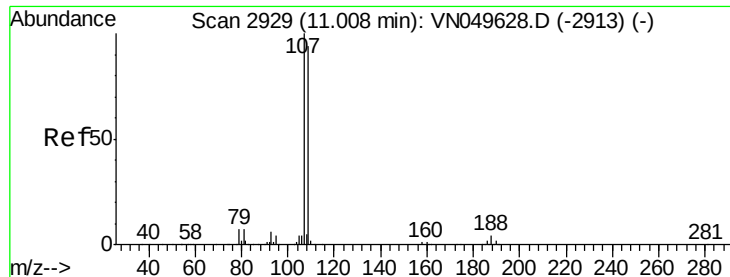
Tot Ion: 43 Resp: 778544
Ion Ratio Lower Upper
43 100
58 55.1 25.2 75.6



#60
Dibromochloromethane
Concen: 16.53 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 129 Resp: 280630
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

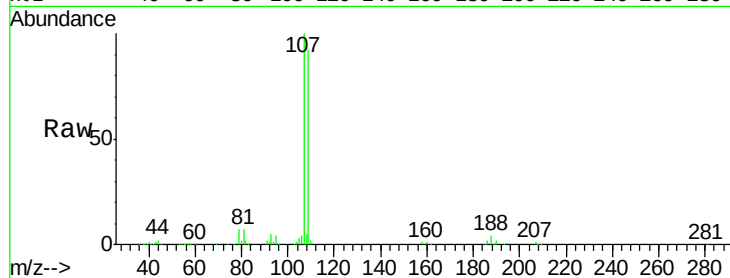
ClientSampleId :

Tot Ion: 107 Resp: 255946

Ion Ratio Lower Upper

107 100

109 91.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

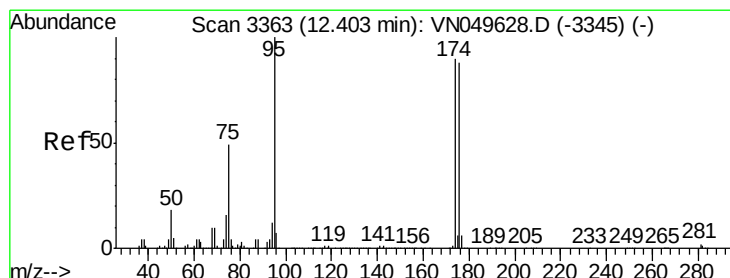
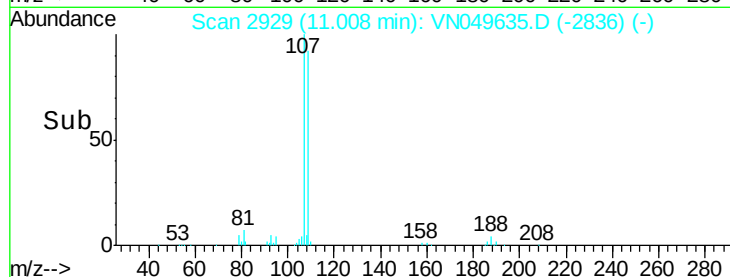
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 42.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

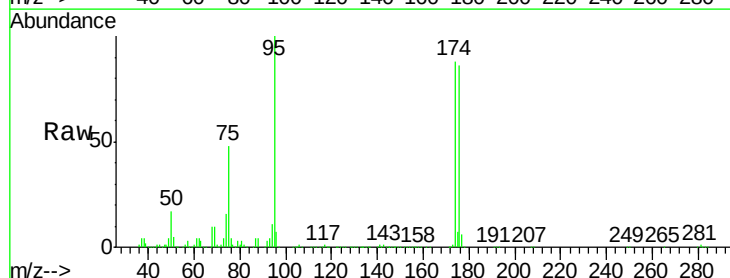
Tgt Ion: 95 Resp: 858901

Ion Ratio Lower Upper

95 100

174 89.3 0.0 165.6

176 86.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

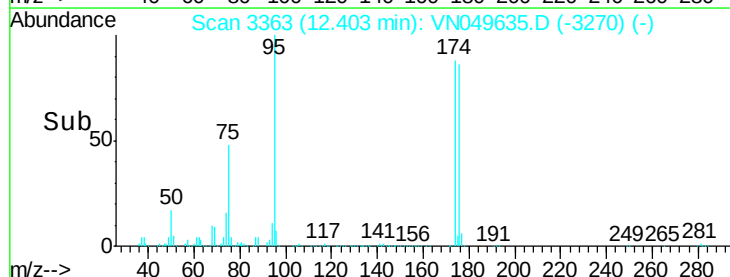
600000

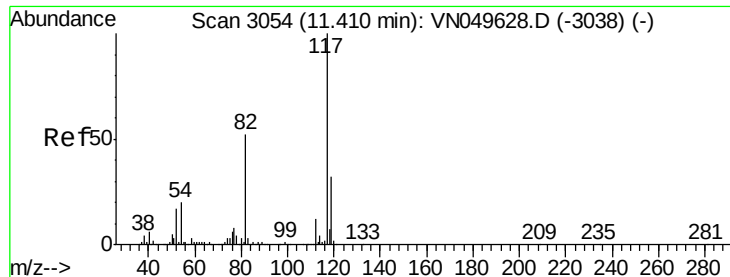
400000

200000

0

Time--> 12.35 12.40 12.45

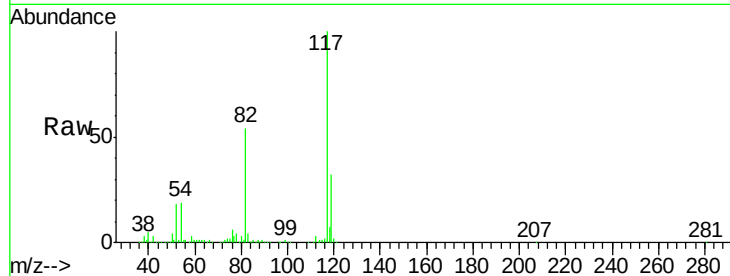




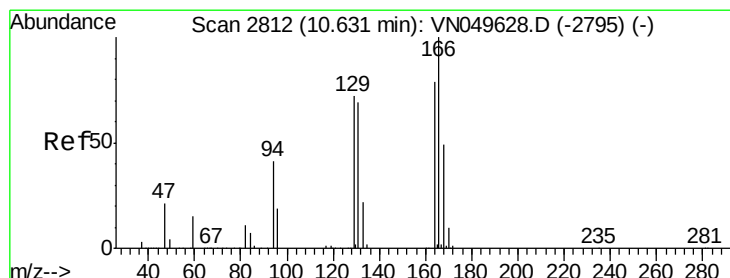
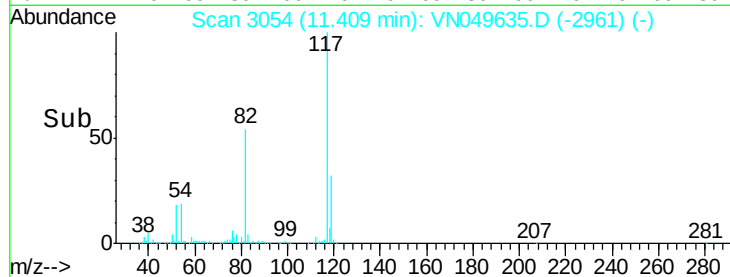
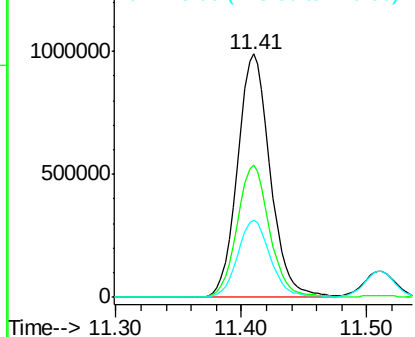
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1787648
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 31.7 25.5 38.3

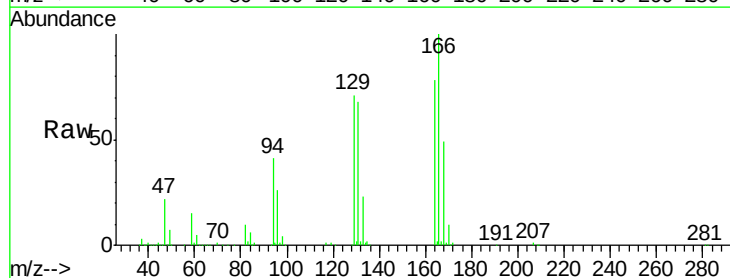


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

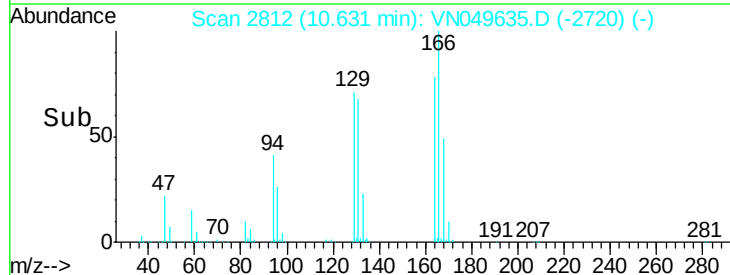
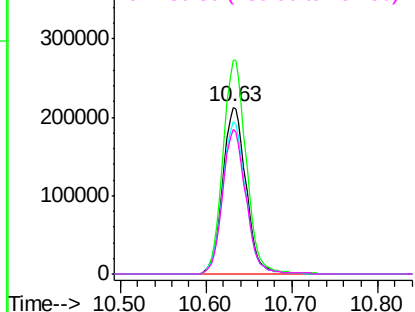


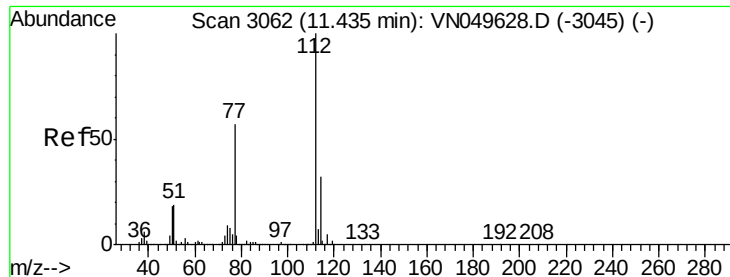
#64
Tetrachloroethene
Concen: 16.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion:164 Resp: 399551
Ion Ratio Lower Upper
164 100
166 128.0 101.4 152.2
129 91.2 74.1 111.1
131 86.8 73.7 110.5



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





#65

Chlorobenzene

Concen: 16.12 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

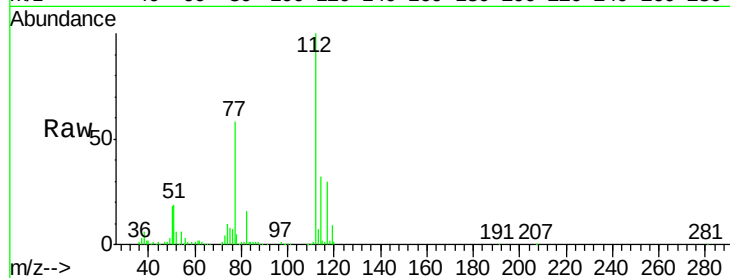
ClientSampleId :

Tot Ion:112 Resp: 751850

Ion Ratio Lower Upper

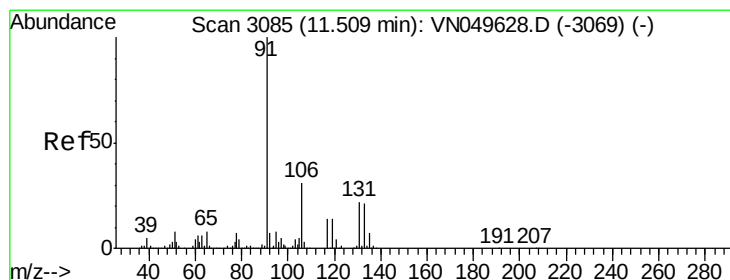
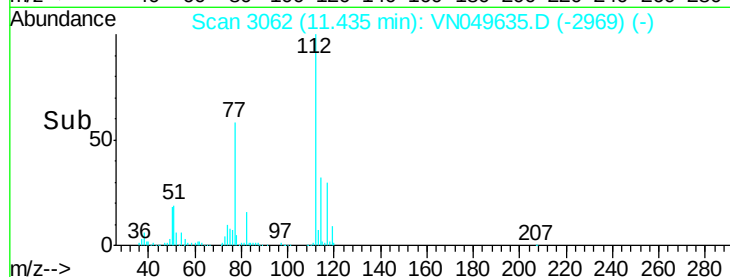
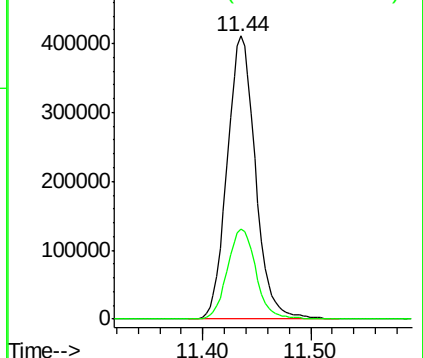
112 100

114 31.7 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: 16.57 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

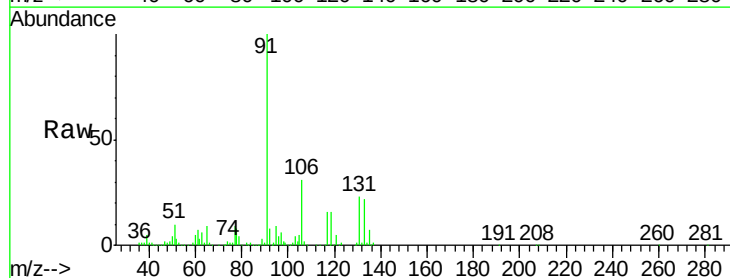
Tgt Ion:131 Resp: 277613

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.2

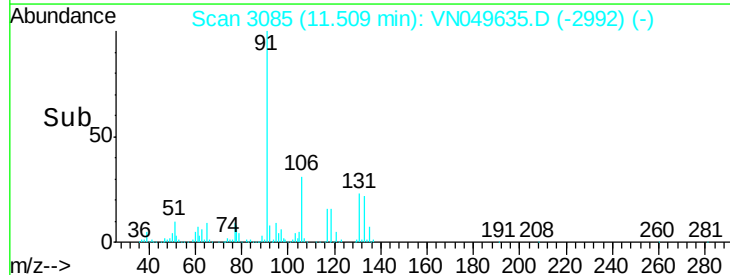
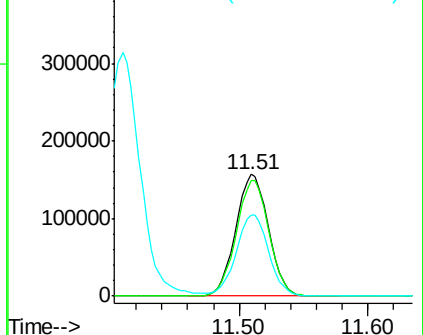
119 66.2 33.6 100.8

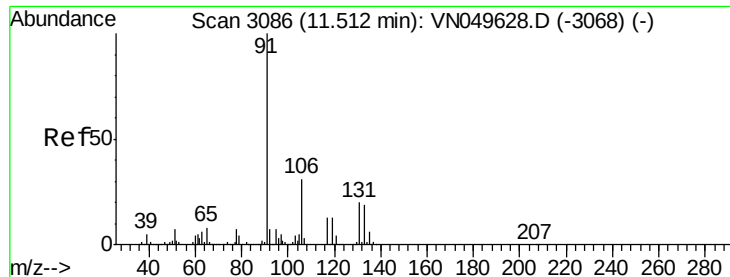


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 16.07 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

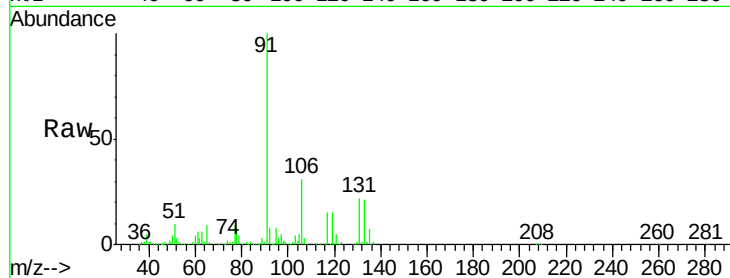
ClientSampled :

Tot Ion: 91 Resp: 1239001

Ion Ratio Lower Upper

91 100

106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049635.D (-2993) (-)

Ion 106.00 (105.70 to 106.70): VN049635.D (-2993) (-)

1200000

1000000

800000

600000

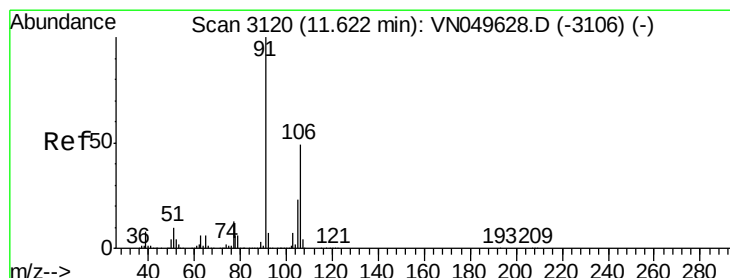
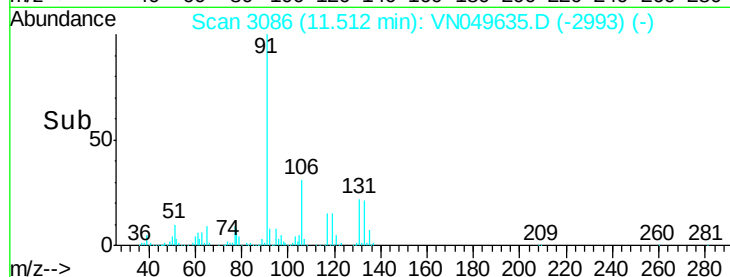
400000

200000

0

11.50 11.60

Time-->



#68

m/p-Xylenes

Concen: 33.43 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049635.D

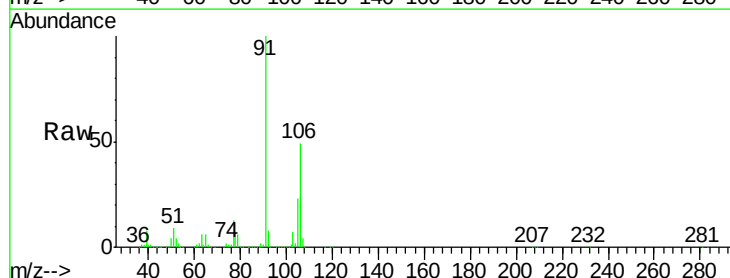
Acq: 29 Jun 2018 16:58

Tgt Ion: 106 Resp: 987675

Ion Ratio Lower Upper

106 100

91 202.2 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049635.D (-3027) (-)

Ion 91.00 (90.70 to 91.70): VN049635.D (-3027) (-)

1200000

1000000

800000

600000

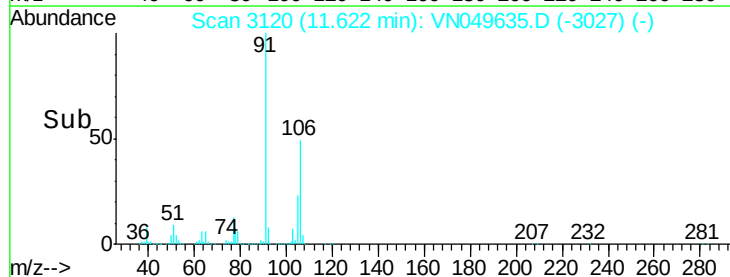
400000

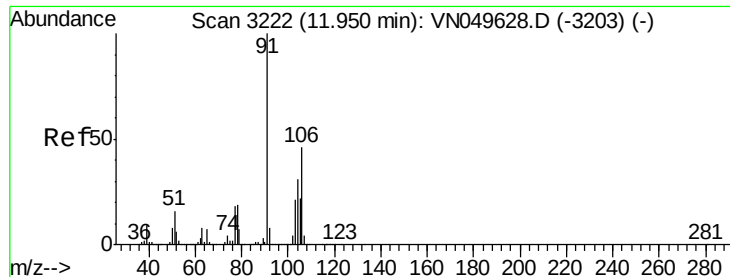
200000

0

11.50 11.60 11.70

Time-->

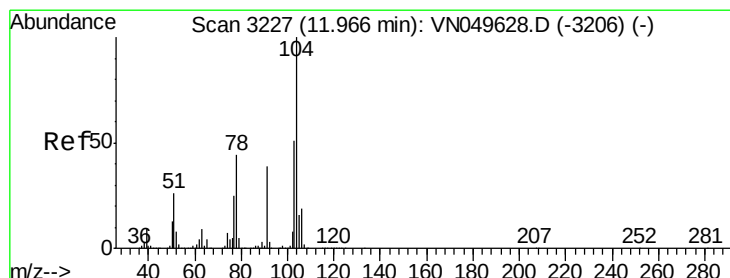
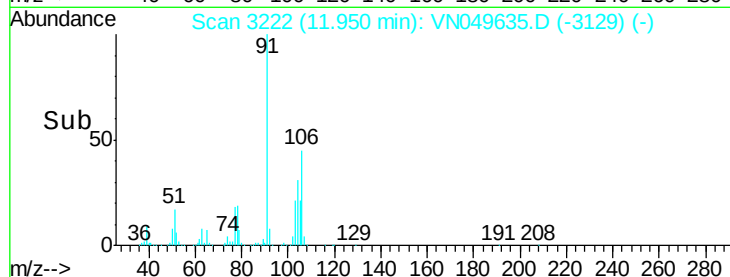
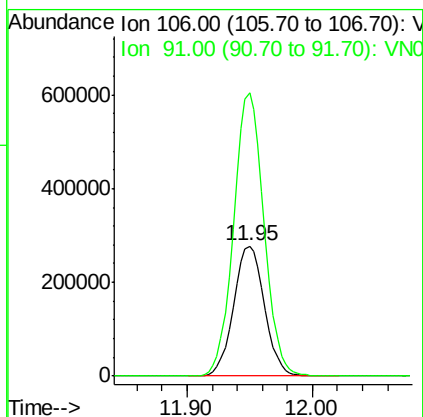
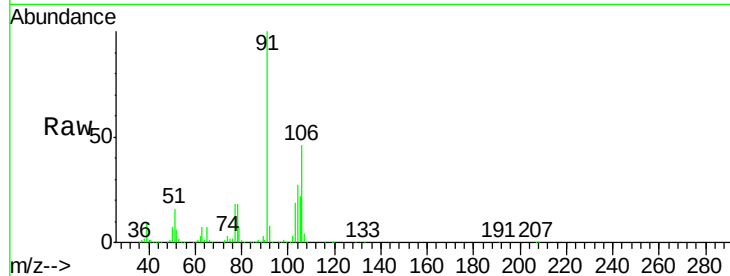




#69
o-Xylene
Concen: 16.72 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

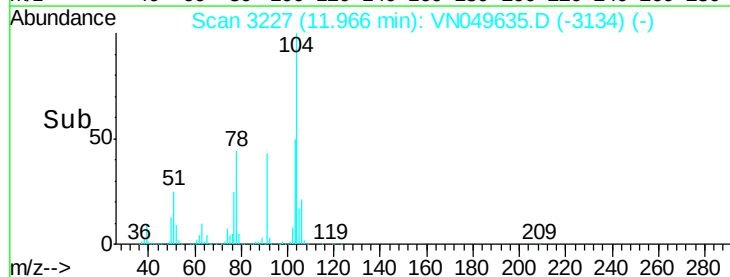
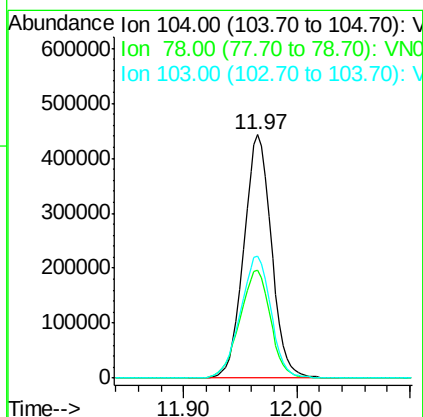
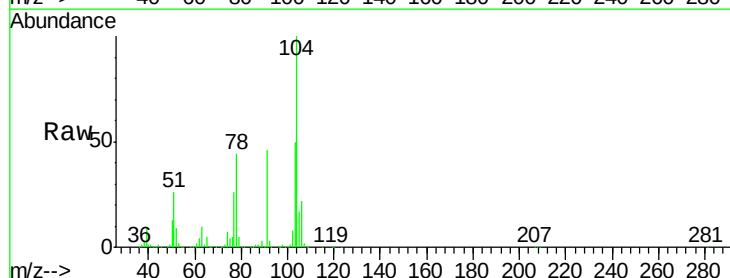
Instrument :
MSVOA_N
ClientSampleId :

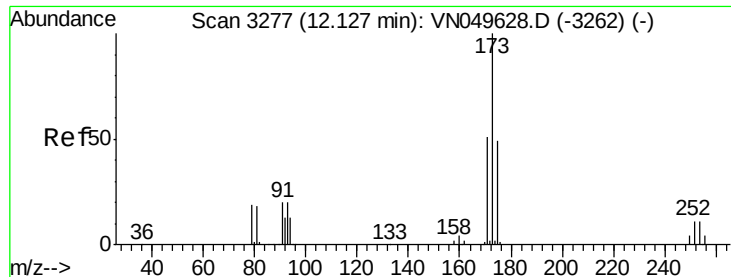
Tot Ion:106 Resp: 472824
Ion Ratio Lower Upper
106 100
91 213.7 111.0 333.0



#70
Styrene
Concen: 16.48 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion:104 Resp: 754159
Ion Ratio Lower Upper
104 100
78 49.5 41.6 62.4
103 55.4 45.4 68.2

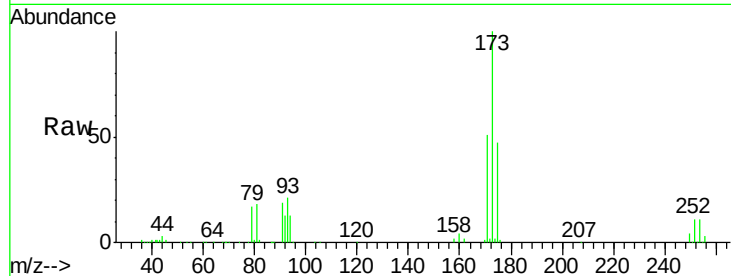




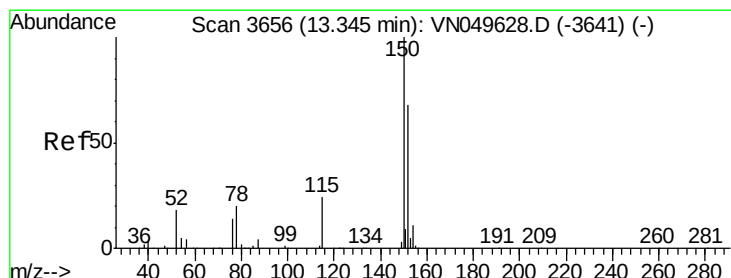
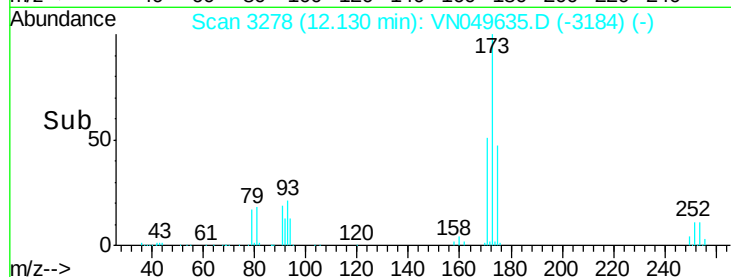
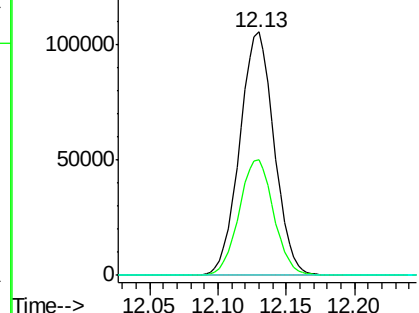
#71
Bromoform
Concen: 16.63 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 185200
Ion Ratio Lower Upper
173 100
175 47.6 24.5 73.5
254 0.1 0.1 0.1

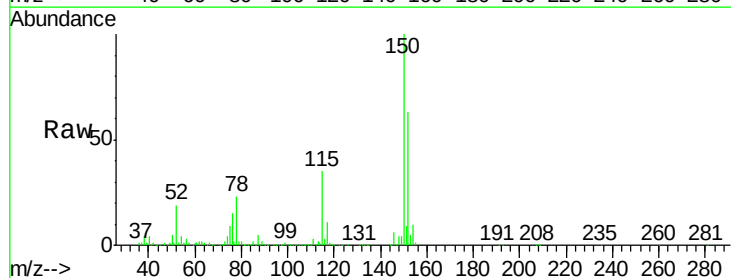


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

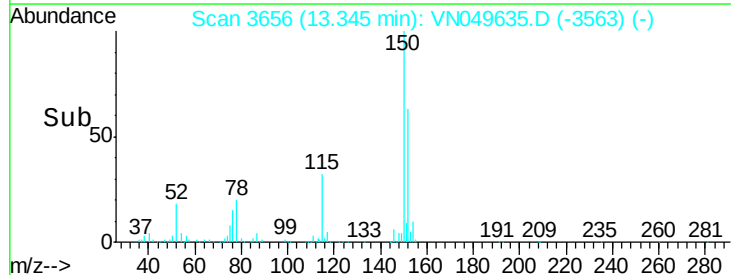
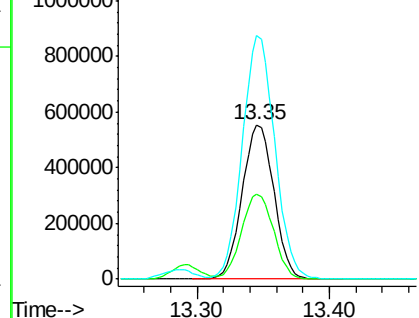


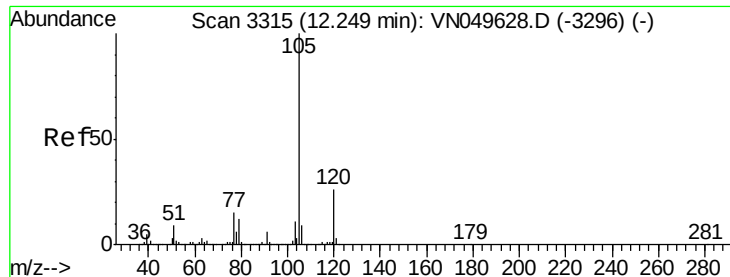
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion:152 Resp: 919516
Ion Ratio Lower Upper
152 100
115 55.6 28.7 86.1
150 161.8 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: 16.71 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

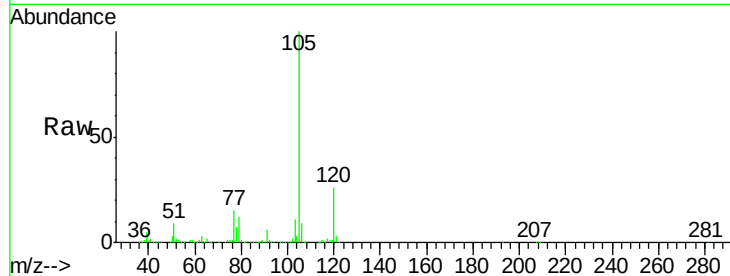
ClientSampled :

Tot Ion:105 Resp: 1223894

Ion Ratio Lower Upper

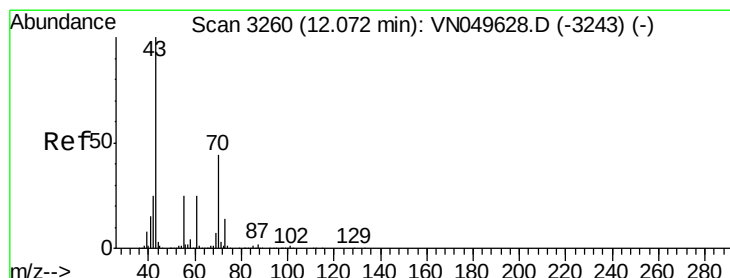
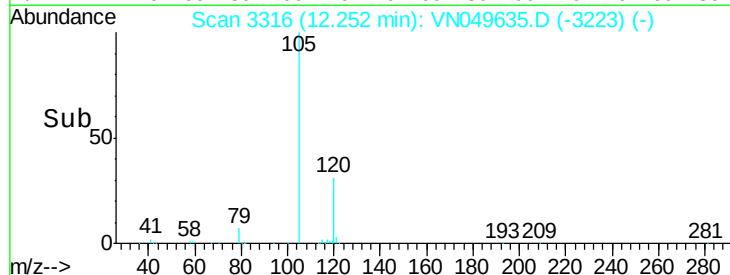
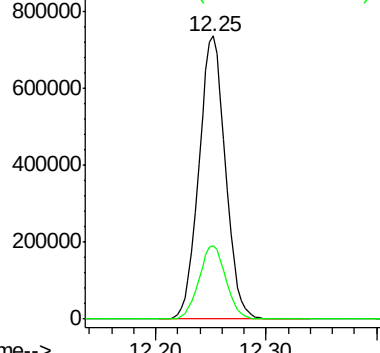
105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.04 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Tgt Ion: 43 Resp: 340941

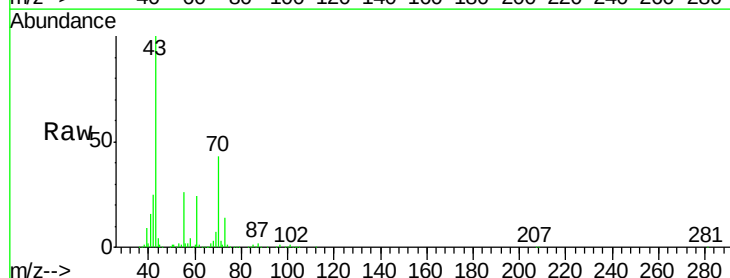
Ion Ratio Lower Upper

43 100

70 43.3 30.3 45.5

55 26.2 19.4 29.2

61 23.9 17.8 26.6

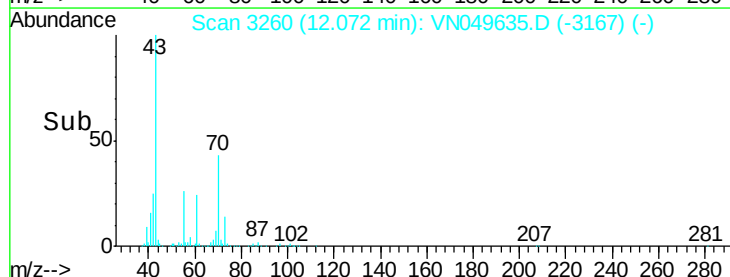
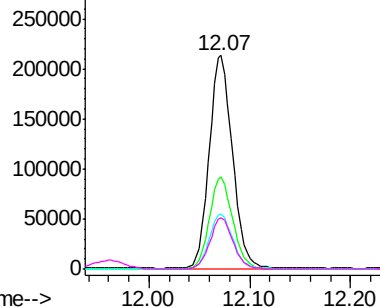


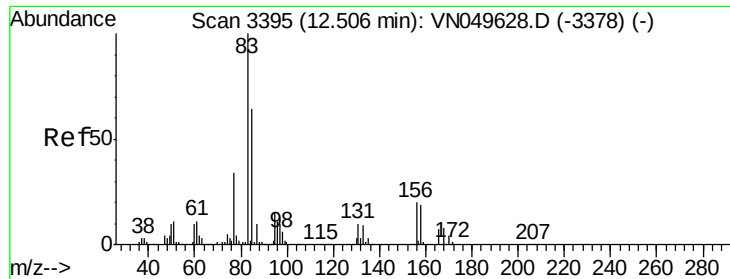
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.41 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

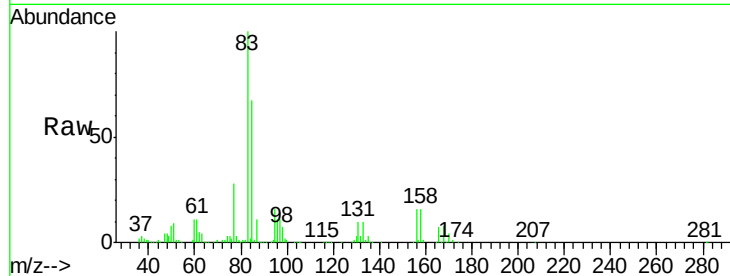
Tot Ion: 83 Resp: 293539

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

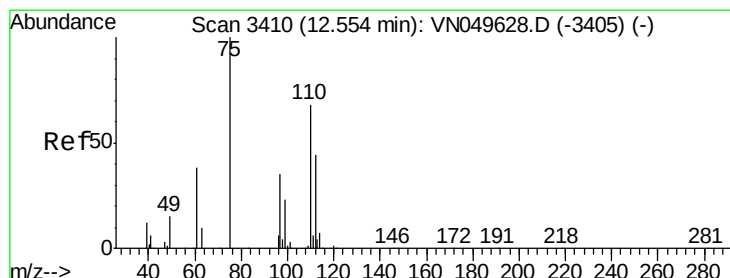
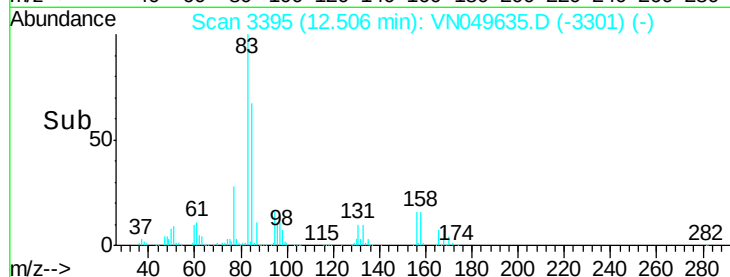
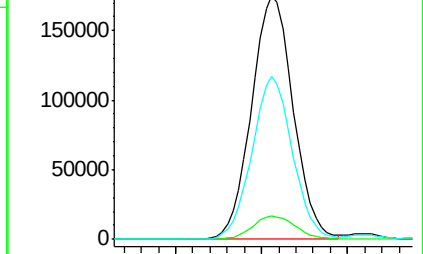
85 65.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049635.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049635.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049635.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 25.59 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049635.D

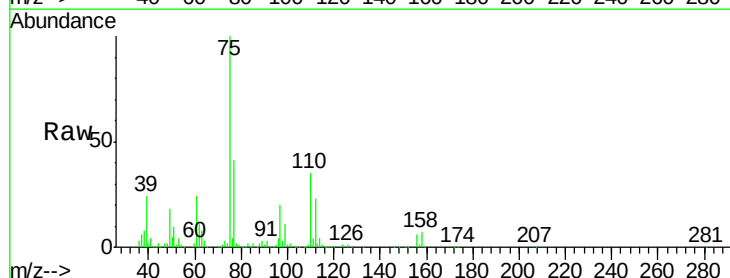
Acq: 29 Jun 2018 16:58

Tgt Ion: 75 Resp: 373166

Ion Ratio Lower Upper

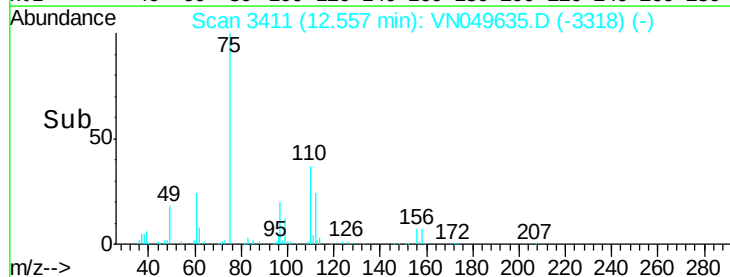
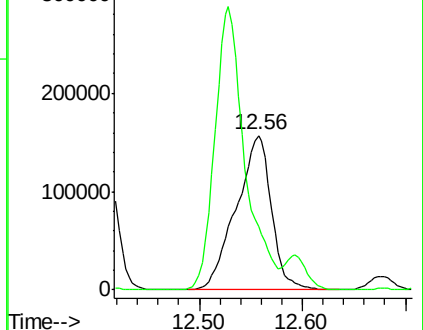
75 100

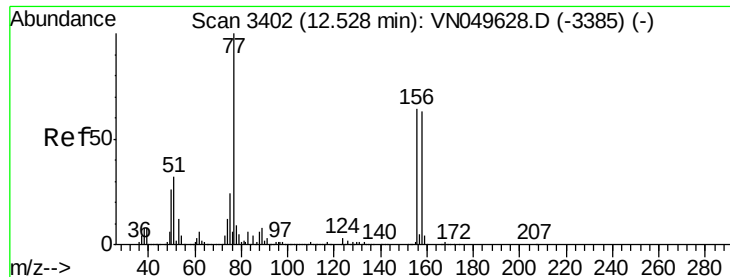
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049635.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049635.D (-3318) (-)





#77

Bromobenzene

Concen: 16.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

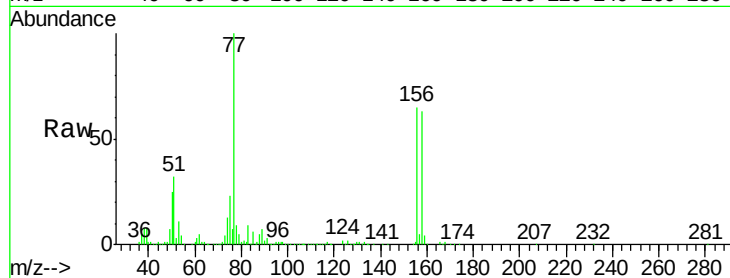
Tot Ion:156 Resp: 320679

Ion Ratio Lower Upper

156 100

77 180.8 100.8 302.4

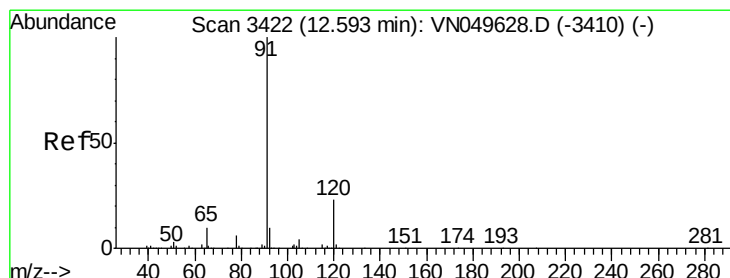
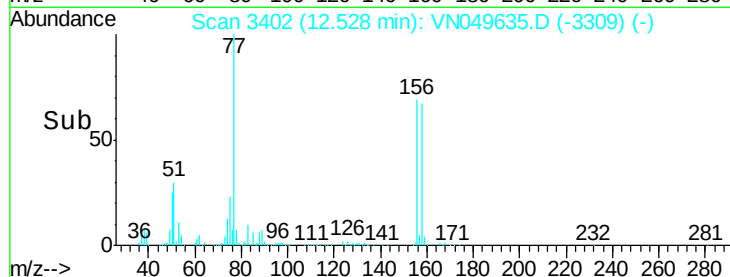
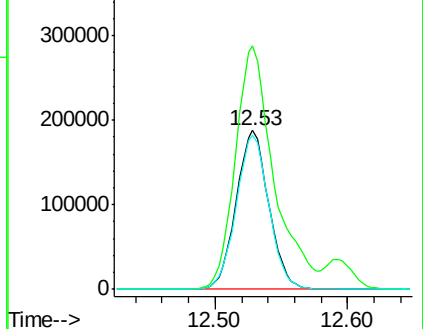
158 97.4 49.3 147.9



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: 16.77 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049635.D

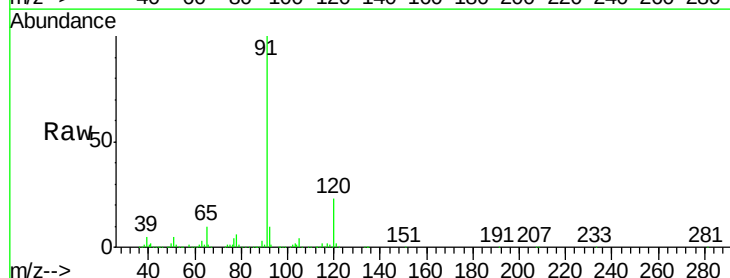
Acq: 29 Jun 2018 16:58

Tgt Ion: 91 Resp: 1407350

Ion Ratio Lower Upper

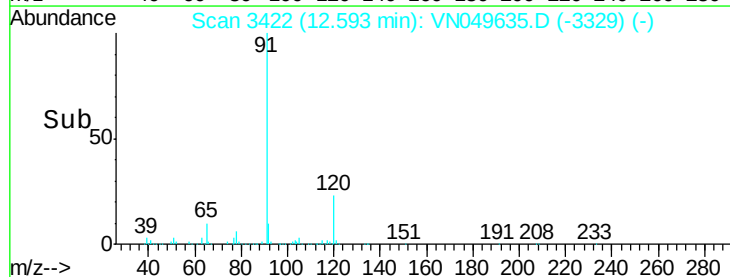
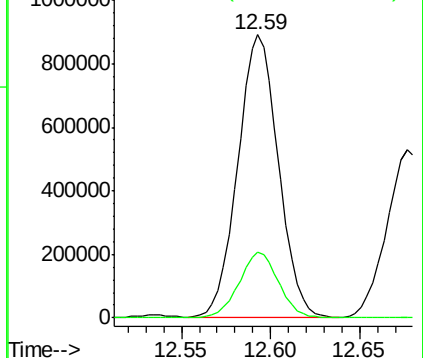
91 100

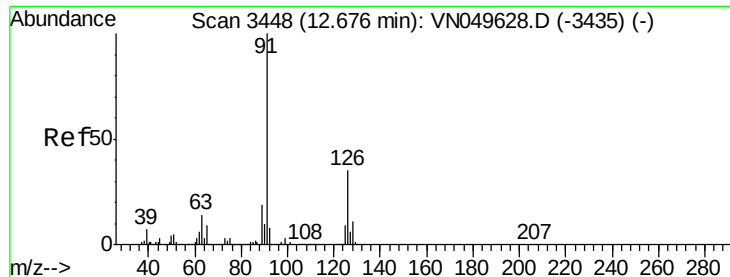
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.21 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

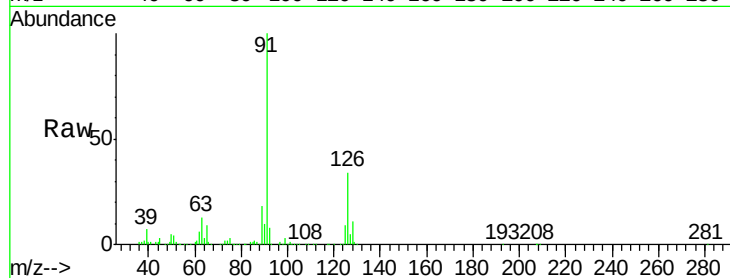
ClientSampled :

Tot Ion: 91 Resp: 861132

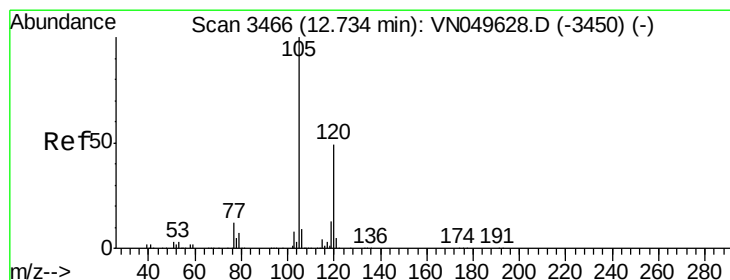
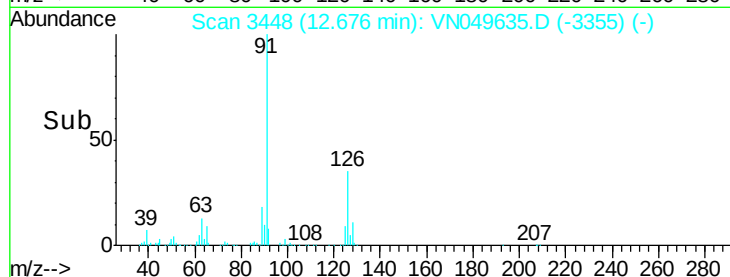
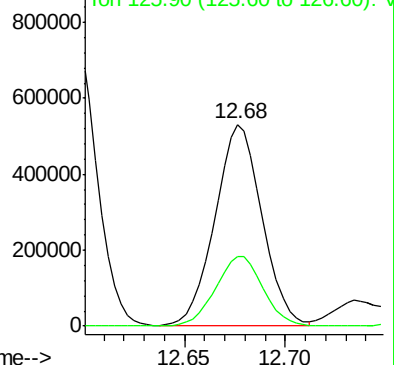
Ion Ratio Lower Upper

91 100

126 35.2 16.6 49.8



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



#80

1,3,5-Trimethylbenzene

Concen: 16.93 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049635.D

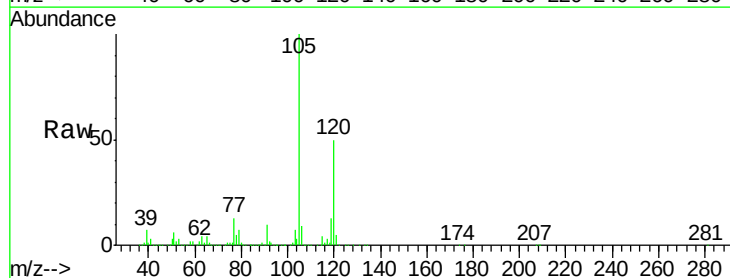
Acq: 29 Jun 2018 16:58

Tgt Ion: 105 Resp: 1030685

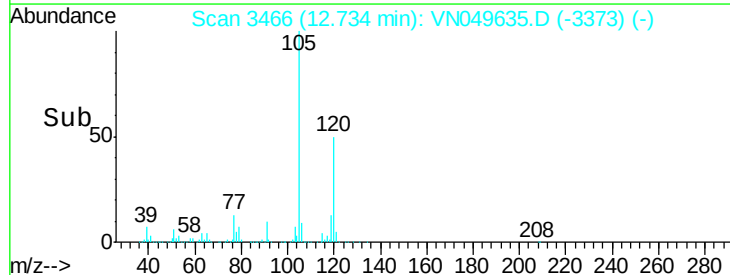
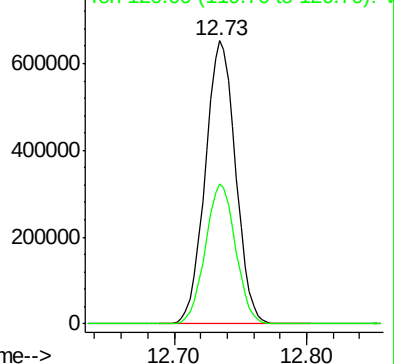
Ion Ratio Lower Upper

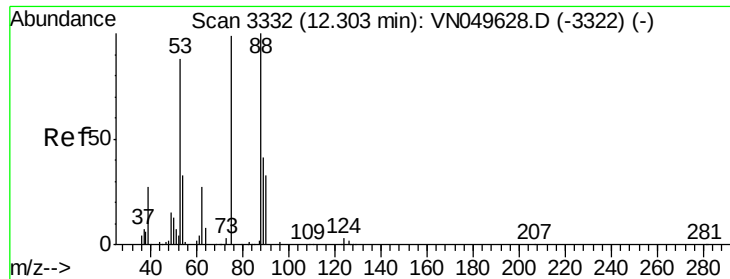
105 100

120 49.4 23.5 70.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 16.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

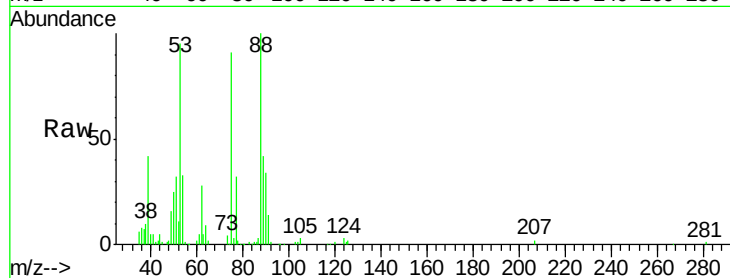
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 71354

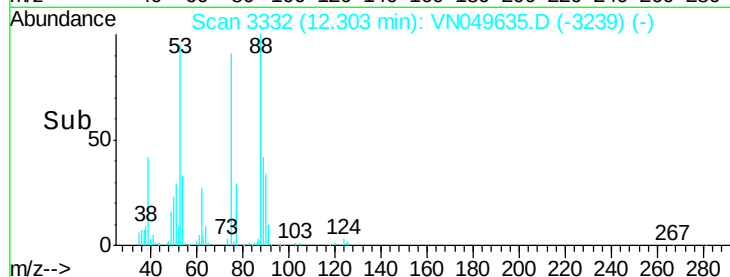
Ion	Ratio	Lower	Upper
75	100		
53	100.2	82.7	124.1
89	46.5	36.5	54.7



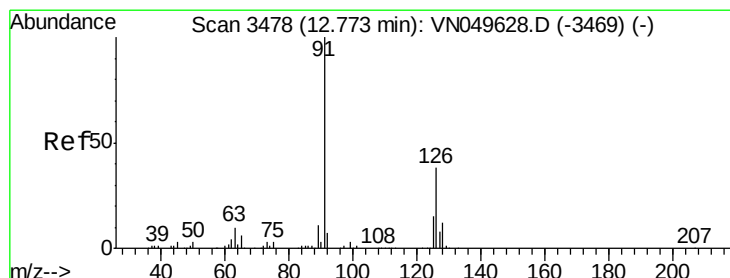
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 16.14 ug/l

RT: 12.78 min Scan# 3479

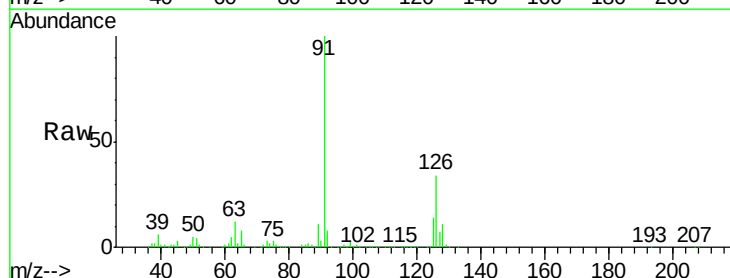
Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

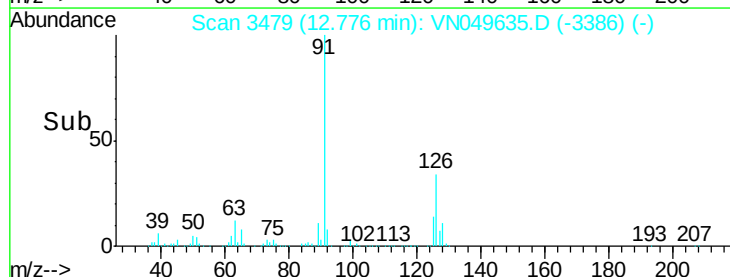
Tgt Ion: 91 Resp: 862243

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1

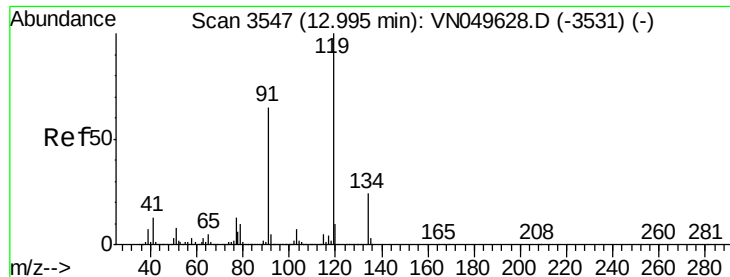


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



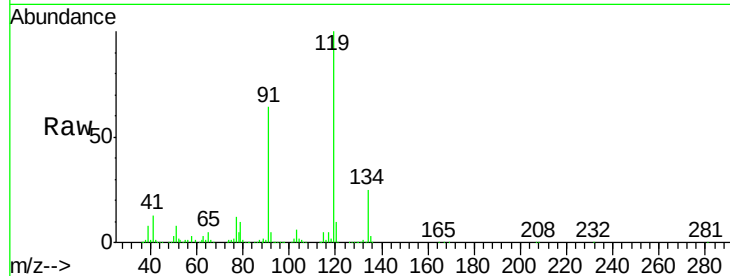
Time-->



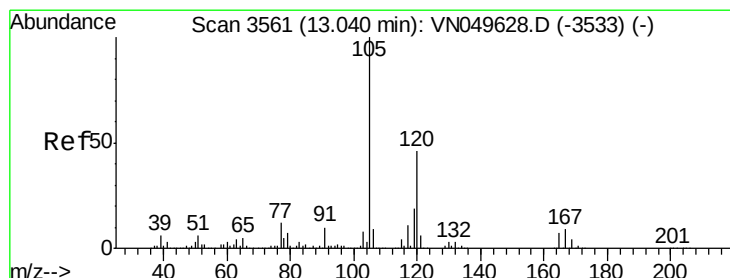
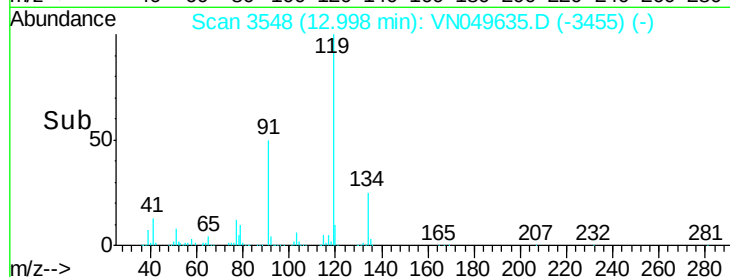
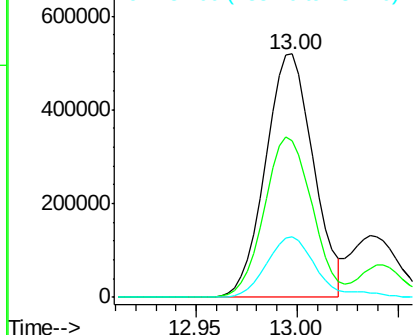
#83
 tert-Butylbenzene
 Concen: 16.34 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 854224
 Ion Ratio Lower Upper
 119 100
 91 65.9 33.7 101.0
 134 26.1 12.9 38.6

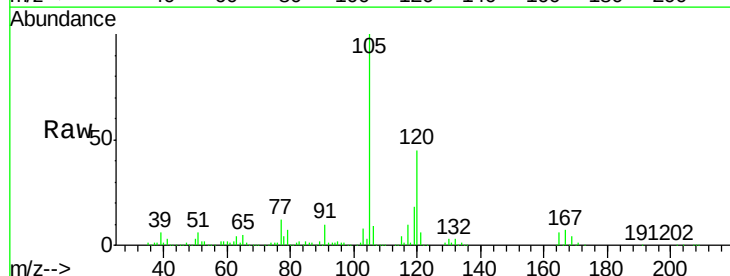


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

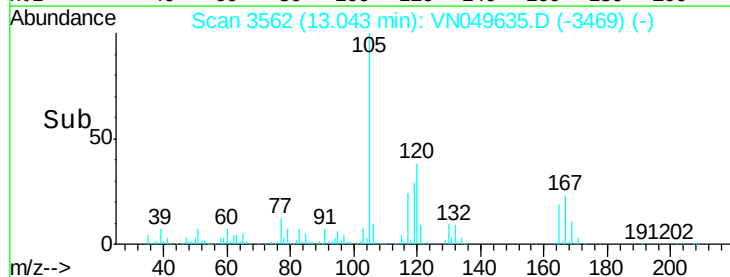
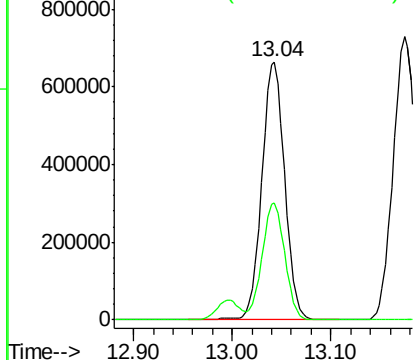


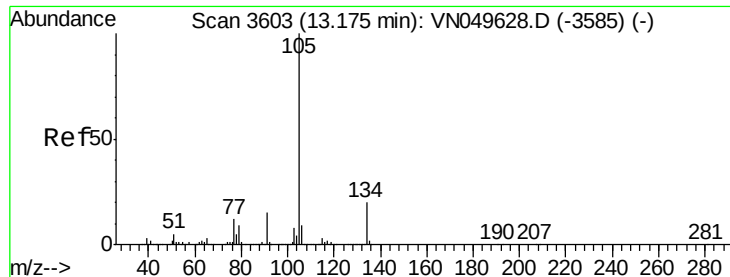
#84
 1,2,4-Trimethylbenzene
 Concen: 16.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion:105 Resp: 1054770
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 16.91 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

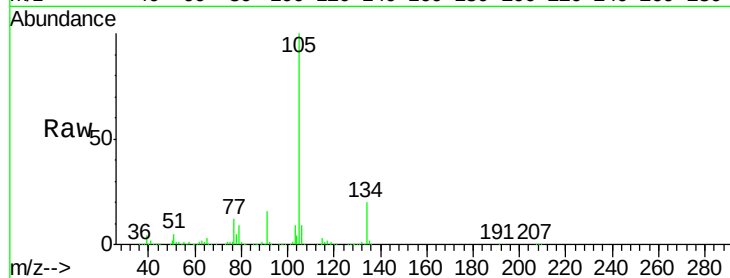
ClientSampled :

Tot Ion:105 Resp: 1171095

Ion Ratio Lower Upper

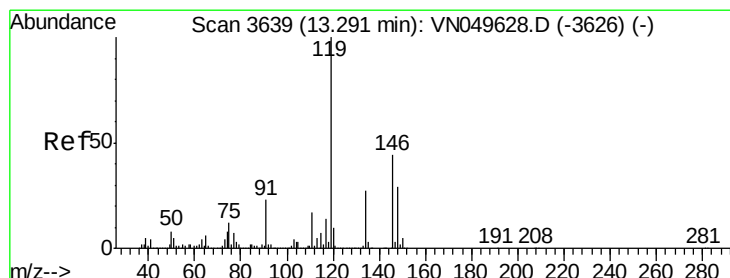
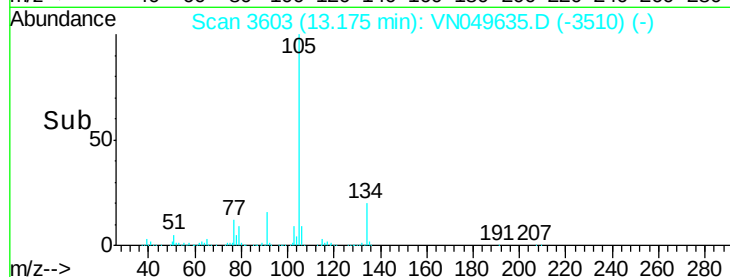
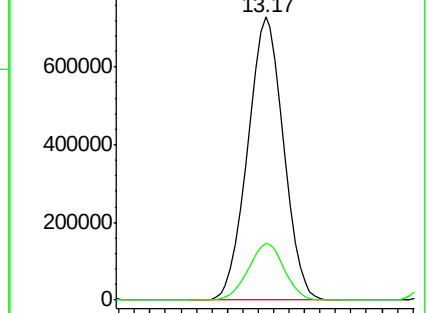
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

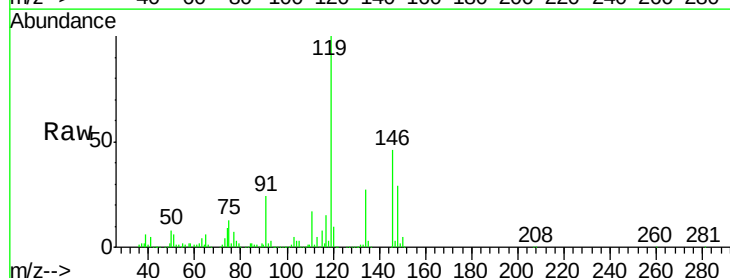
Tgt Ion:119 Resp: 1002890

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

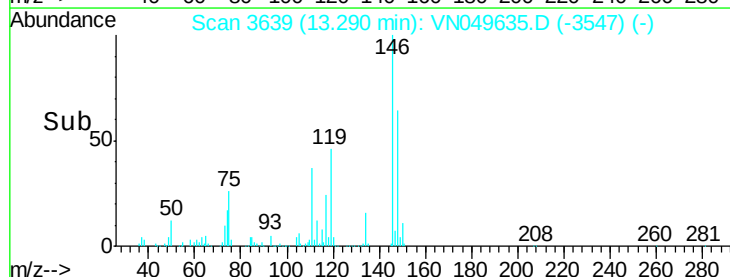
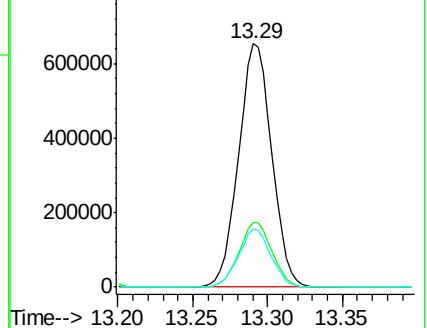
91 23.3 12.1 36.3

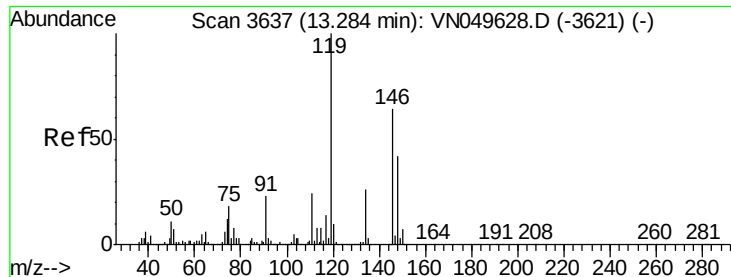


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.08 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

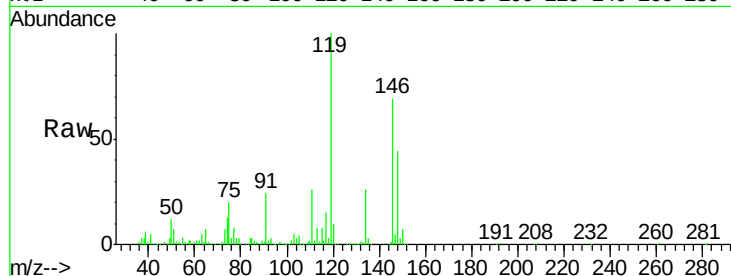
Tot Ion:146 Resp: 555356

Ion Ratio Lower Upper

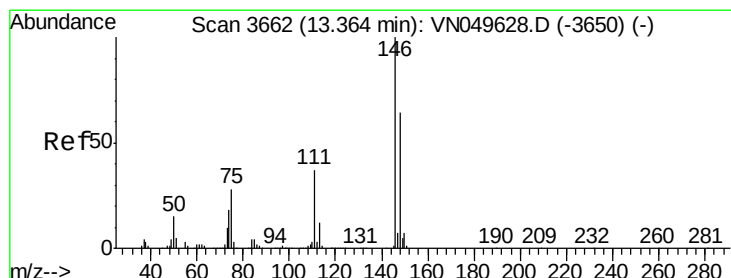
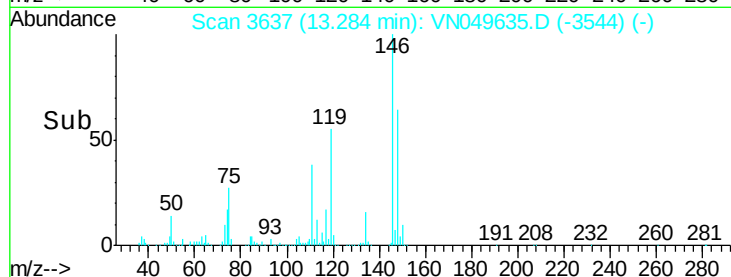
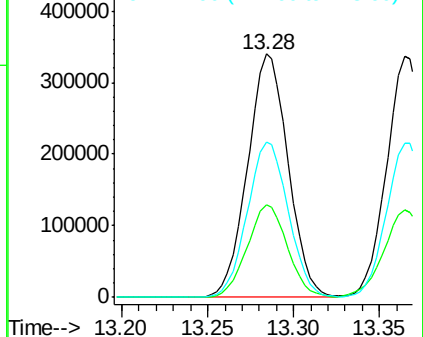
146 100

111 37.7 19.9 59.6

148 64.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 16.02 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

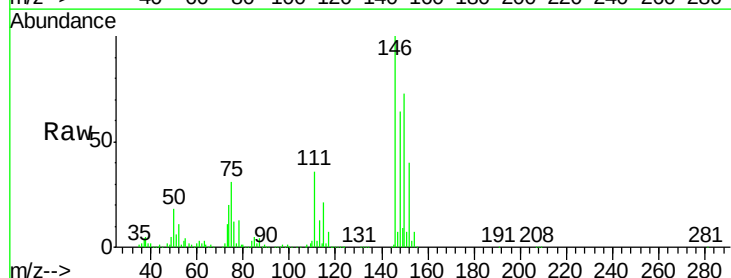
Tgt Ion:146 Resp: 540763

Ion Ratio Lower Upper

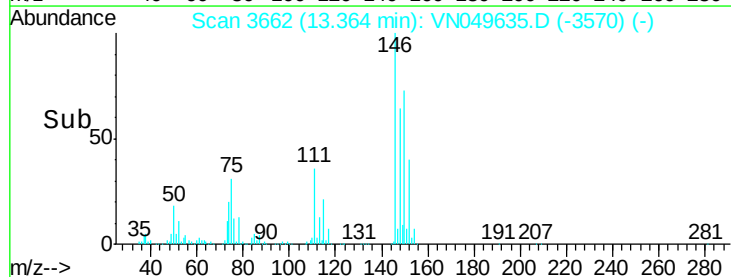
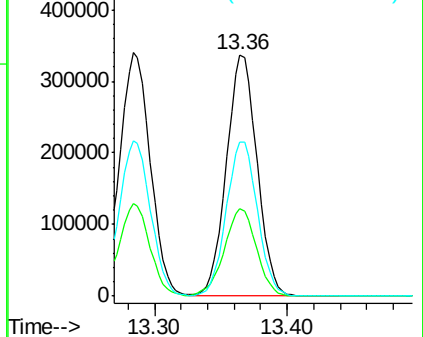
146 100

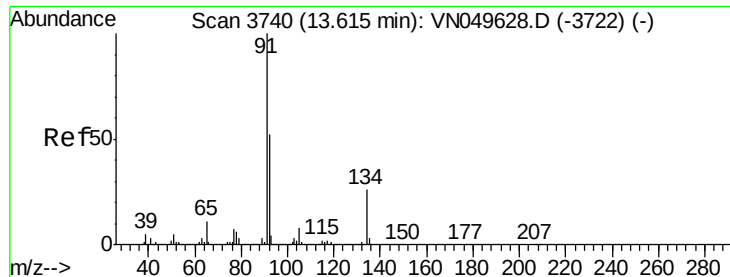
111 38.2 19.1 57.1

148 64.8 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

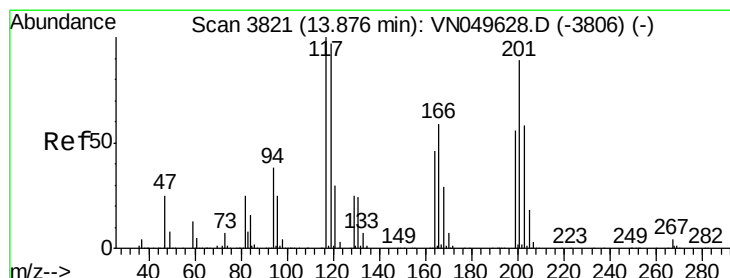
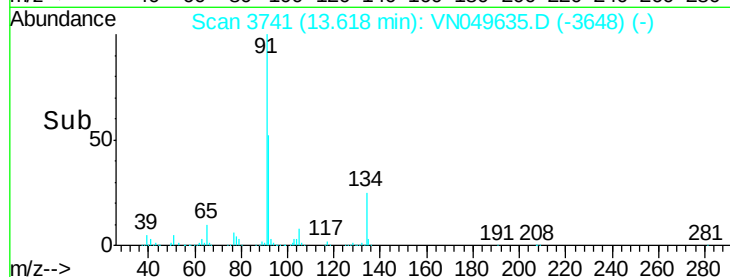
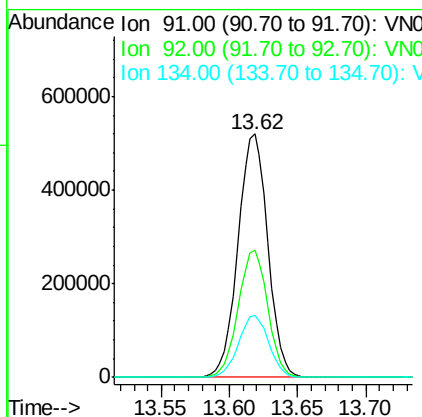
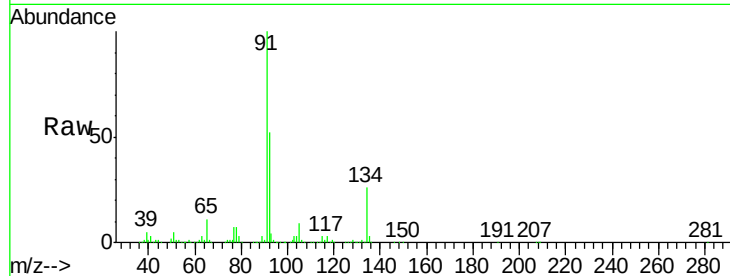




#89
n-Butylbenzene
Concen: 15.37 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

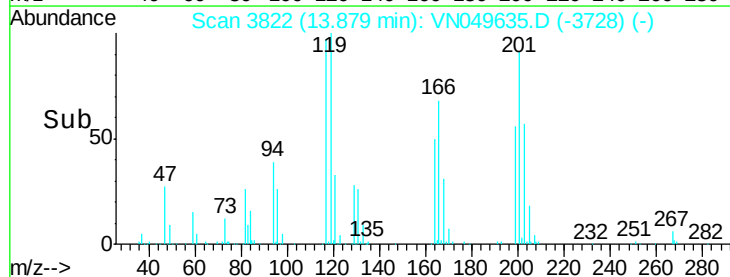
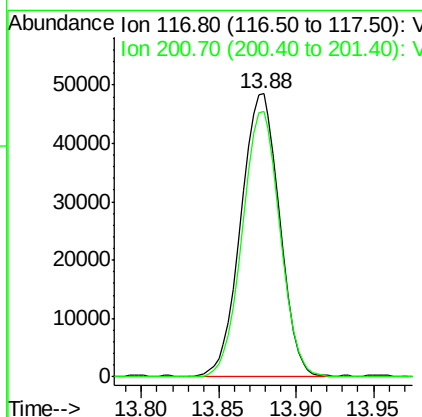
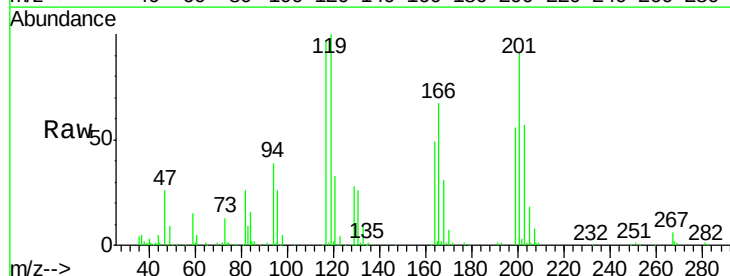
Instrument :
MSVOA_N
ClientSampleId :

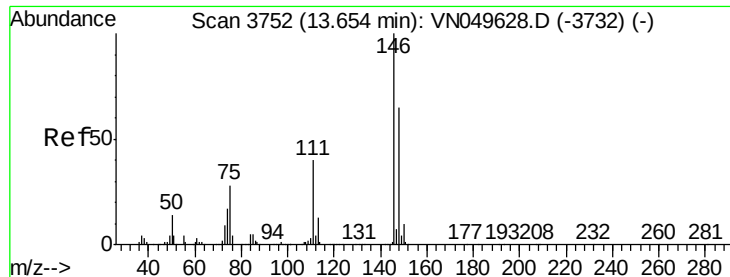
Tot Ion: 91 Resp: 789762
Ion Ratio Lower Upper
91 100
92 51.6 25.1 75.4
134 25.8 12.0 36.0



#90
Hexachloroethane
Concen: 13.42 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion: 117 Resp: 84611
Ion Ratio Lower Upper
117 100
201 91.1 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 16.40 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

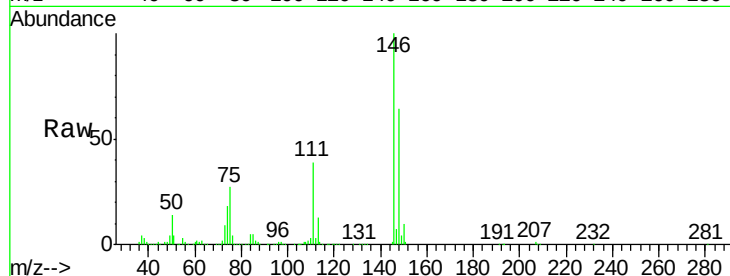
Tot Ion:146 Resp: 555367

Ion Ratio Lower Upper

146 100

111 39.3 20.8 62.2

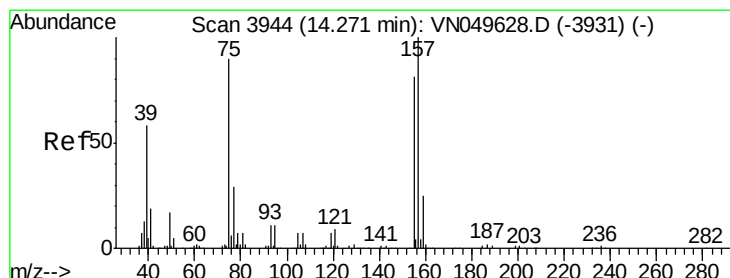
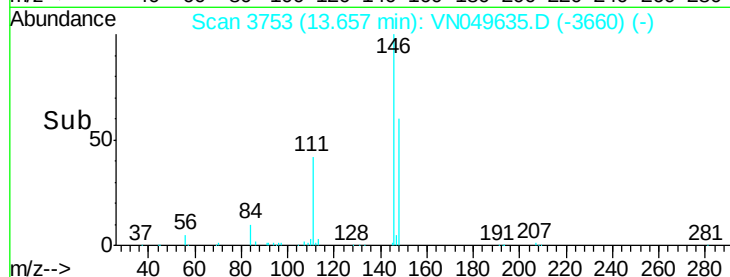
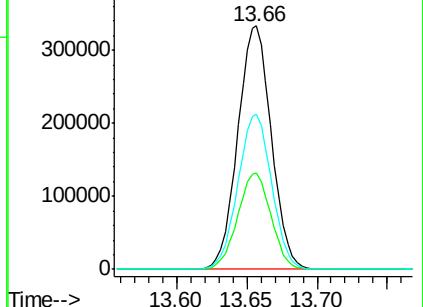
148 64.3 32.0 96.2



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: 18.20 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049635.D

Acq: 29 Jun 2018 16:58

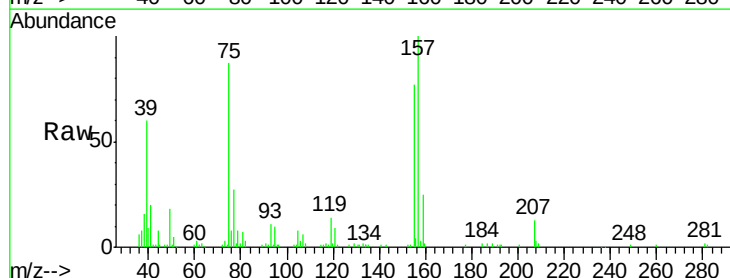
Tgt Ion: 75 Resp: 48183

Ion Ratio Lower Upper

75 100

155 87.2 38.8 116.3

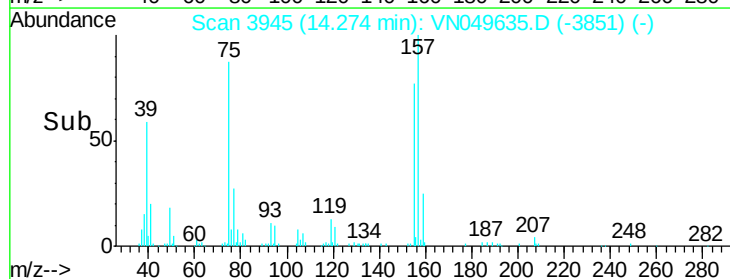
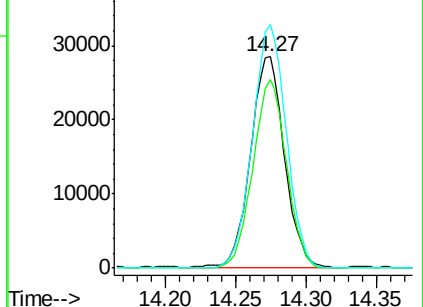
157 114.0 51.0 153.1

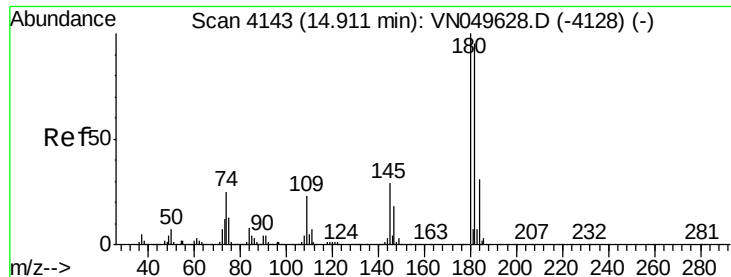


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

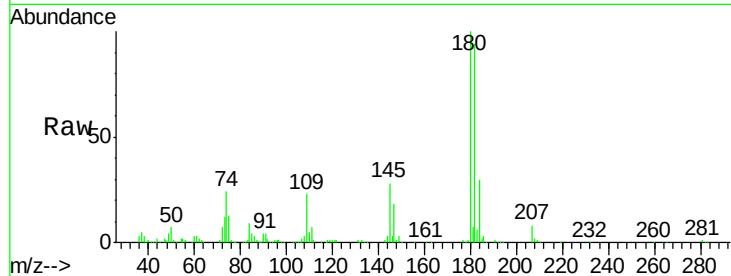




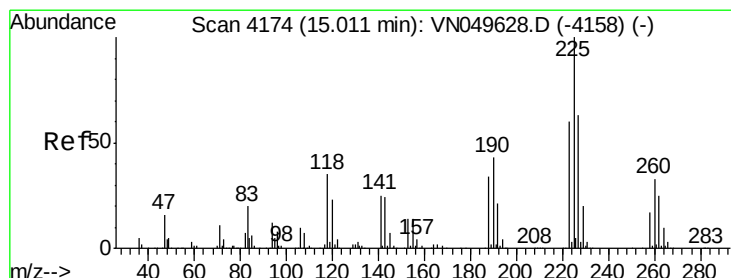
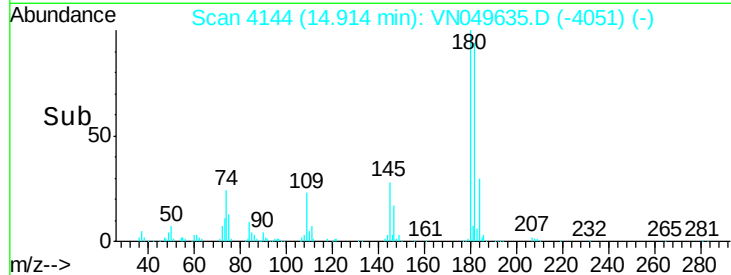
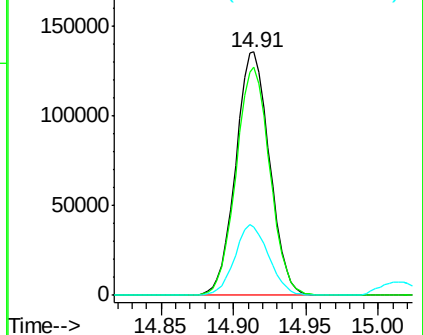
#93
 1,2,4-Trichlorobenzene
 Concen: 14.76 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 219969
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.9 140.8
 145 29.2 14.7 44.1

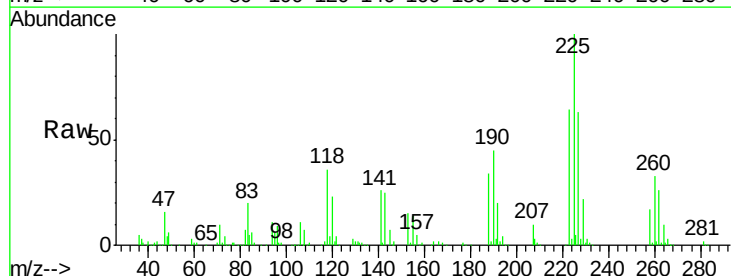


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

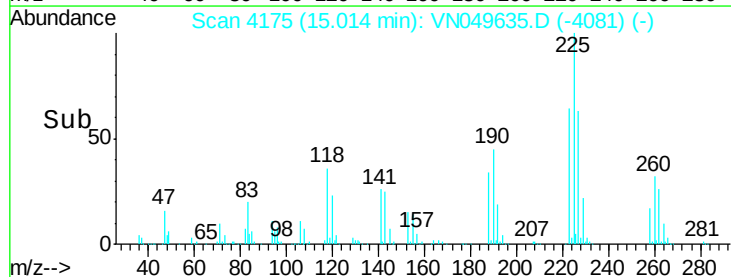
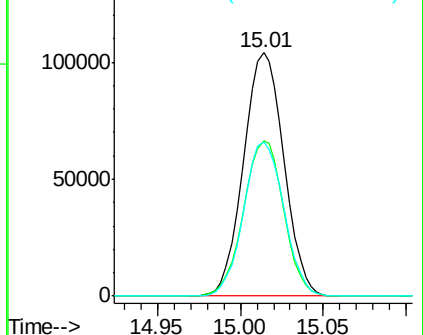


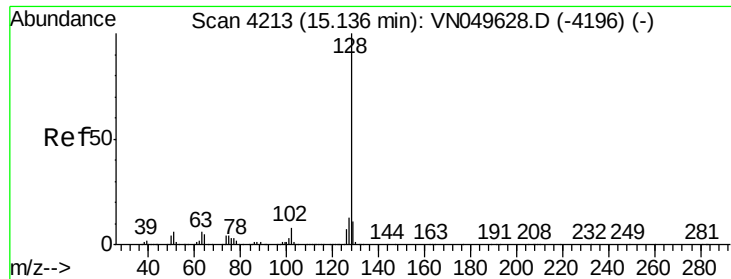
#94
 Hexachlorobutadiene
 Concen: 16.57 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049635.D
 Acq: 29 Jun 2018 16:58

Tgt Ion:225 Resp: 176395
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.1 96.3
 227 63.1 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

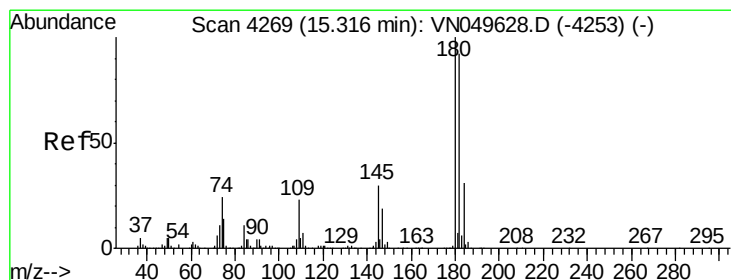
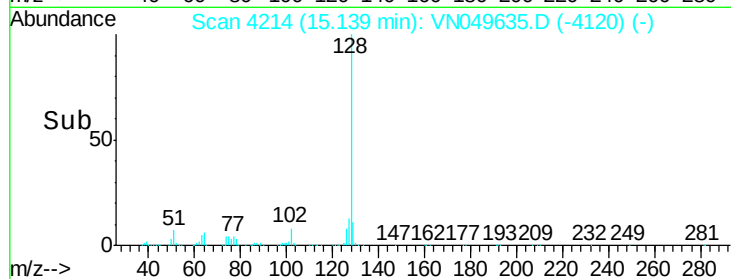
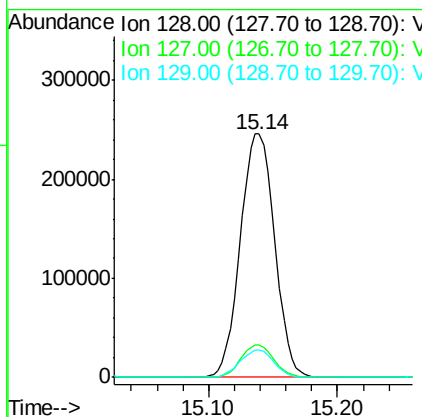
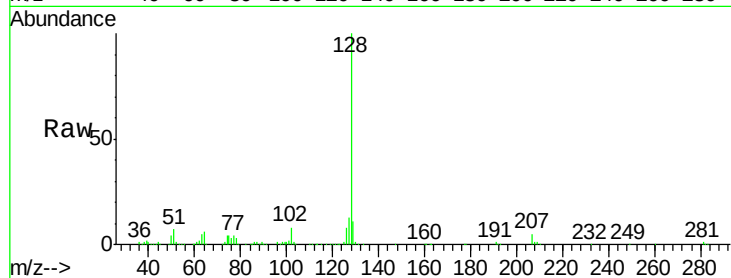




#95
Naphthalene
Concen: 15.23 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 455817
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 15.60 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049635.D
Acq: 29 Jun 2018 16:58

Tgt Ion:180 Resp: 232125
Ion Ratio Lower Upper
180 100
182 93.6 47.3 141.8
145 29.9 15.6 46.7

