

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049223.D
 Acq On : 14 Jun 2018 13:15
 Operator : MD\SY
 Sample : J3435-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1144328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1203739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	499547	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	409309	40.07	ug/l	0.00
Spiked Amount			Recovery	=	80.14%	
35) Dibromofluoromethane	7.59	113	360815	38.10	ug/l	0.00
Spiked Amount			Recovery	=	76.20%	
50) Toluene-d8	10.09	98	1441983	39.14	ug/l	0.00
Spiked Amount			Recovery	=	78.28%	
62) 4-Bromofluorobenzene	12.40	95	569125	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3139	0.34	ug/l #	74
11) Tert butyl alcohol	4.79	59	530	0.95	ug/l #	70
13) Acrolein	3.56	56	31923	42.11	ug/l #	1
14) Allyl chloride	4.41	41	144943	9.77	ug/l #	58
15) Acrylonitrile	5.06	53	41078	13.71	ug/l #	45
16) Acetone	3.81	43	223656	91.64	ug/l #	78
17) Carbon Disulfide	4.04	76	13497	0.50	ug/l #	86
18) Methyl Acetate	4.39	43	41245	3.72	ug/l #	54
20) Methylene Chloride	4.41	84	25272	2.55	ug/l #	11
25) 2-Butanone	6.85	43	45597	13.05	ug/l	97
26) 2,2-Dichloropropane	6.63	77	20270	1.53	ug/l #	54
27) cis-1,2-Dichloroethene	6.82	96	7918	0.83	ug/l	50
29) Tetrahydrofuran	7.22	42	784	0.35	ug/l #	48
30) Chloroform	7.32	83	12955	0.76	ug/l #	18
31) Cyclohexane	7.65	56	1069274	70.53	ug/l	98
36) 1,1-Dichloropropene	7.67	75	49087	3.43	ug/l #	49
37) Ethyl Acetate	6.85	43	45597	5.05	ug/l #	47
38) Carbon Tetrachloride	7.67	117	59614	4.14	ug/l #	16
39) Methylcyclohexane	9.08	83	378993	25.66	ug/l	96
40) Benzene	8.04	78	403354	9.31	ug/l	99
41) Methacrylonitrile	7.18	41	1733	0.34	ug/l #	100
43) Isopropyl Acetate	8.15	43	60839	3.67	ug/l #	64
44) Trichloroethene	8.84	130	12432	1.15	ug/l	98
45) 1,2-Dichloropropane	9.08	63	5930	0.50	ug/l #	1
48) Methyl methacrylate	9.27	41	30669	3.78	ug/l #	51
49) 1,4-Dioxane	9.20	88	30	0.31	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	18190	2.06	ug/l	99
52) Toluene	10.16	92	379547	15.06	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	25296	2.73	ug/l #	19
56) Ethyl methacrylate	10.43	69	4892	0.44	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.70	63	166	13.22	ug/l #	51
59) 2-Hexanone	10.76	43	5429	0.99	ug/l	71
60) Dibromochloromethane	10.63	129	6111	0.60	ug/l #	10
64) Tetrachloroethene	10.63	164	6720	0.56	ug/l	94

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

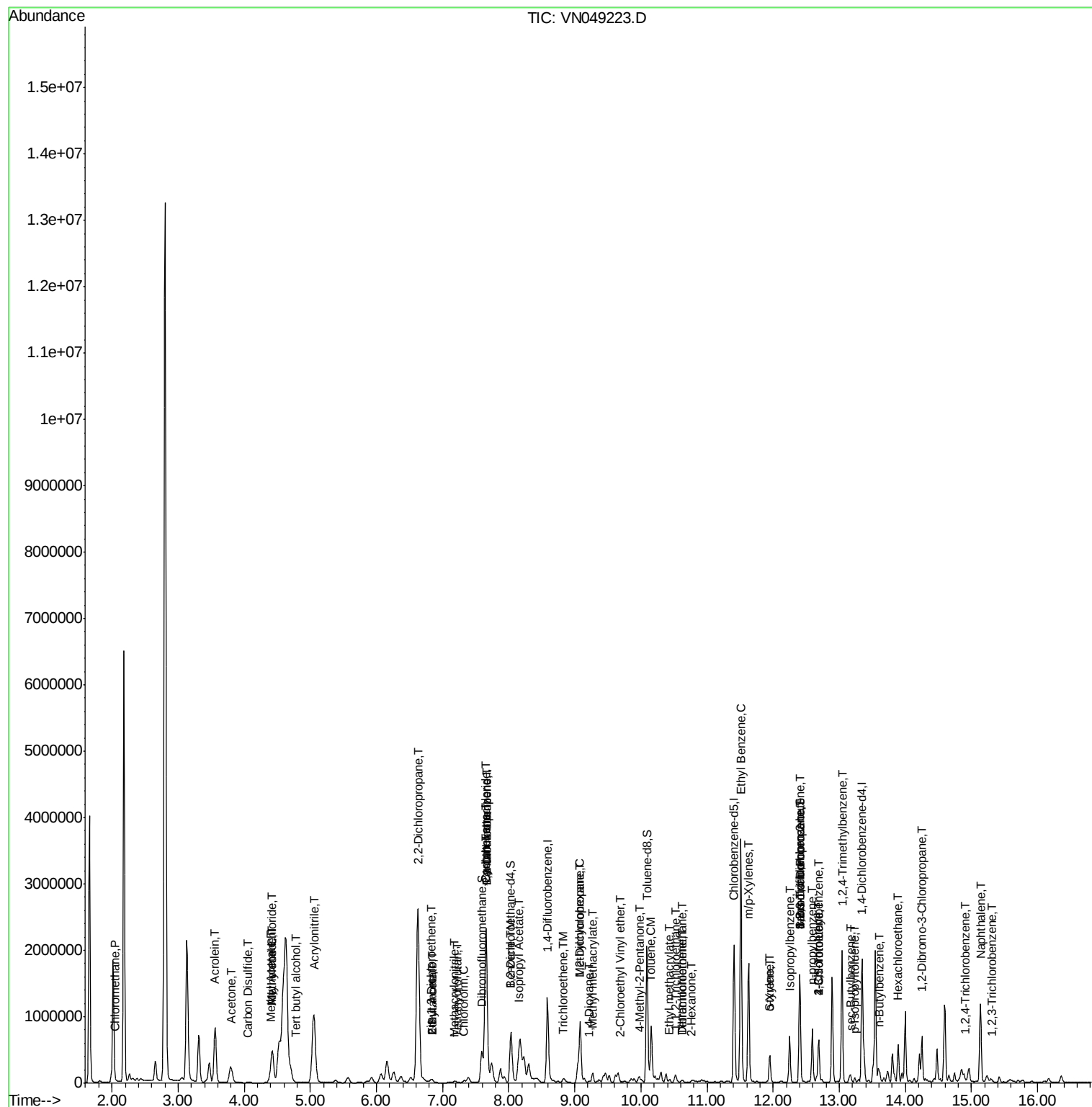
67) Ethyl Benzene	11.51	91	2652573	49.51	ug/l	100
68) m/p-Xylenes	11.63	106	508373	25.95	ug/l	99
69) o-Xylene	11.95	106	107761	5.71	ug/l	98
70) Styrene	11.95	104	7981	0.27	ug/l #	1
71) Bromoform	12.40	173	2557	0.35	ug/l #	28
73) Isopropylbenzene	12.25	105	451210	9.40	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.52	83	649	Below	Cal #	77
76) 1,2,3-Trichloropropane	12.40	75	288236	34.11	ug/l #	100
77) Bromobenzene	12.53	156	2871	Below	Cal #	1
78) n-propylbenzene	12.59	91	620635	11.64	ug/l	98
79) 2-Chlorotoluene	12.69	91	51829	1.54	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.69	105	448567	12.19	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.40	75	288236	96.40	ug/l #	9
82) 4-Chlorotoluene	12.69	91	51829	1.63	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	1111505	30.40	ug/l	100
85) sec-Butylbenzene	13.17	105	62990	1.49	ug/l #	64
86) p-Isopropyltoluene	13.24	119	33708	0.99	ug/l	96
89) n-Butylbenzene	13.62	91	72659	3.91	ug/l #	68
90) Hexachloroethane	13.89	117	33978	3.30	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3390	2.03	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1157	4.52	ug/l #	77
95) Naphthalene	15.14	128	1009559	57.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1476	0.20	ug/l #	40

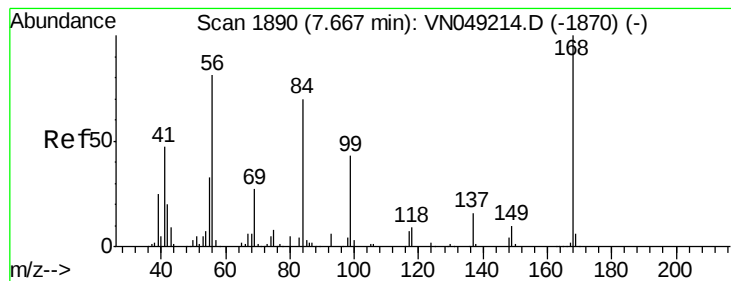
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

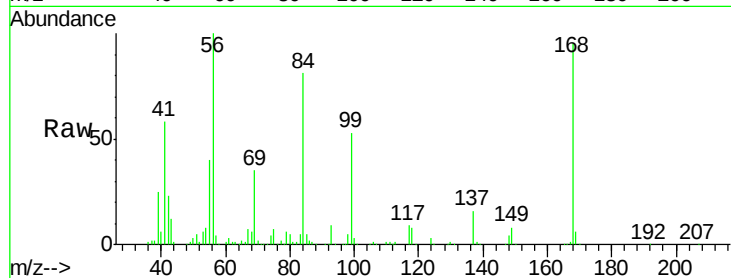
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 632553

Ion Ratio Lower Upper

168 100

99 55.8 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

250000

200000

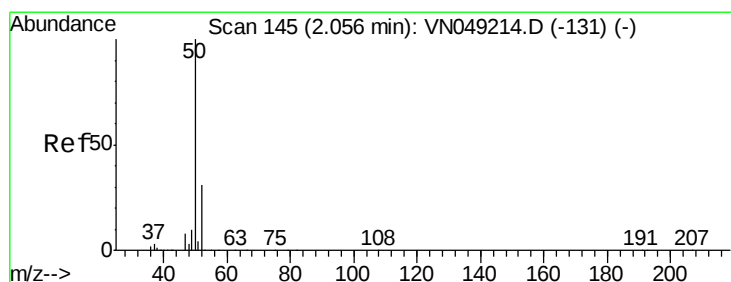
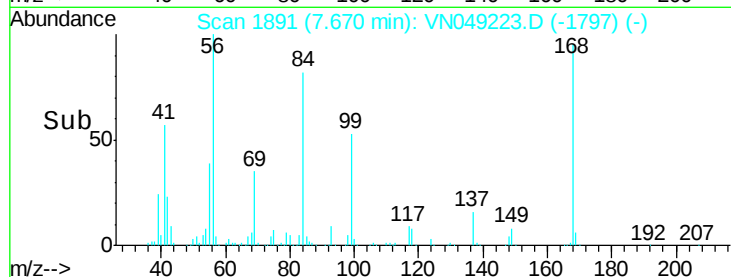
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049223.D

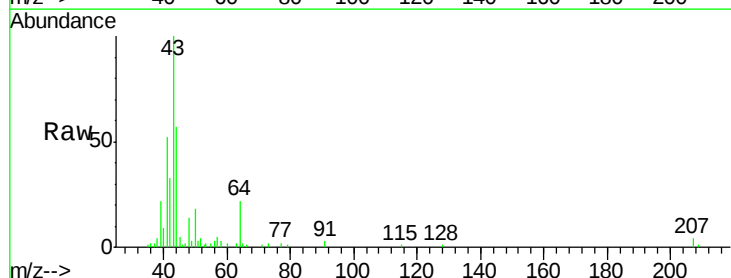
Acq: 14 Jun 2018 13:15

Tgt Ion: 50 Resp: 3139

Ion Ratio Lower Upper

50 100

52 17.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

12000

10000

8000

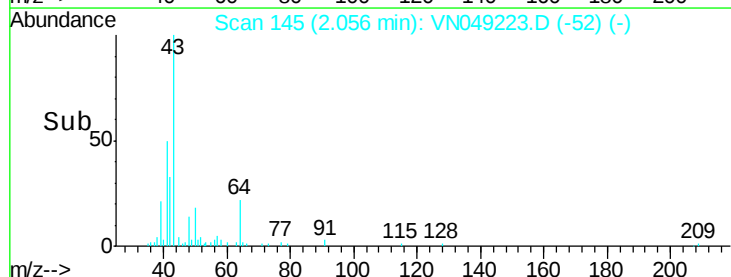
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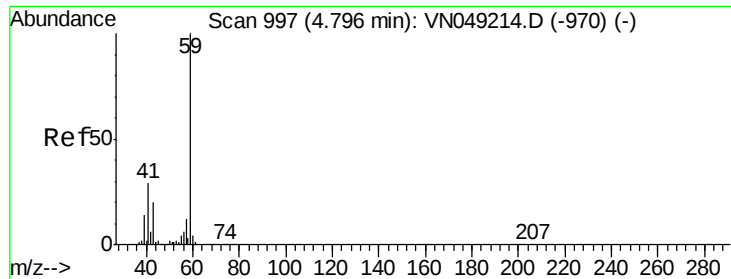
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Time-->

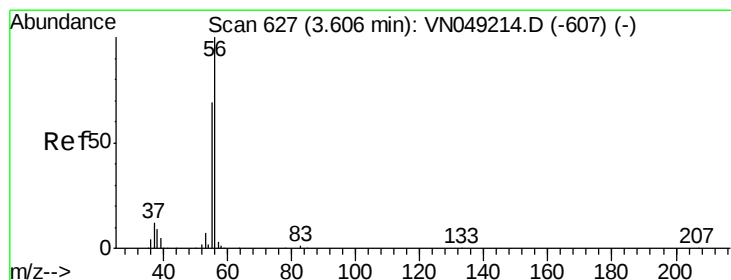
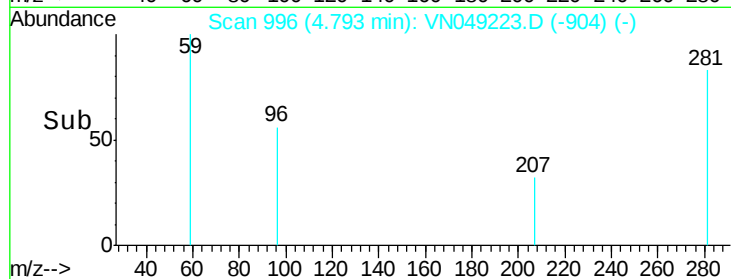
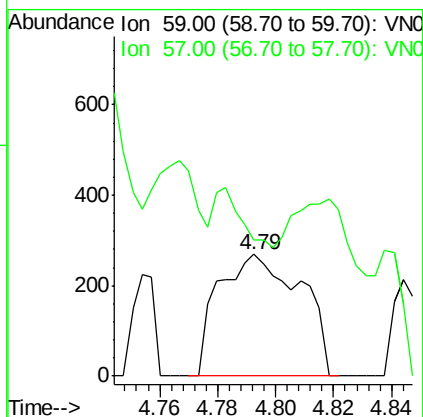
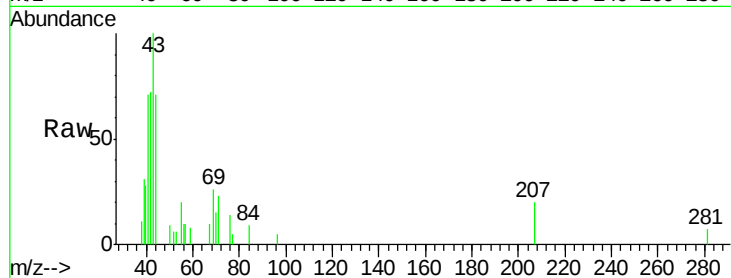




#11
Tert butyl alcohol
Concen: 0.95 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

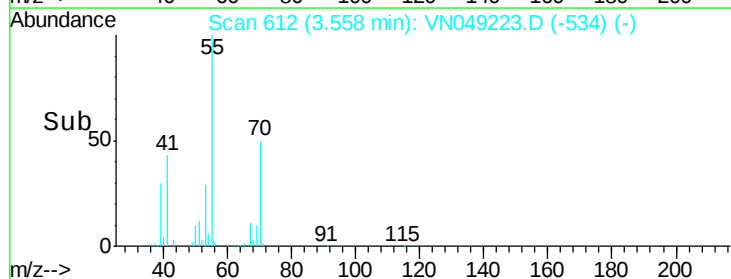
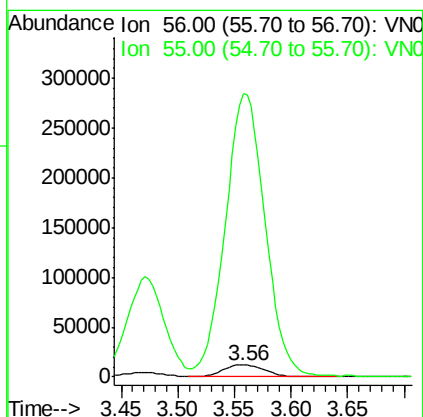
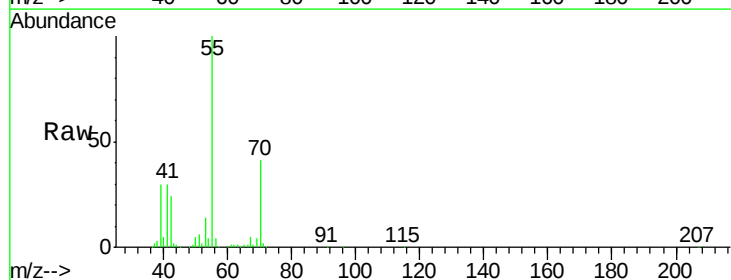
Instrument :
MSVOA_N
ClientSampled :

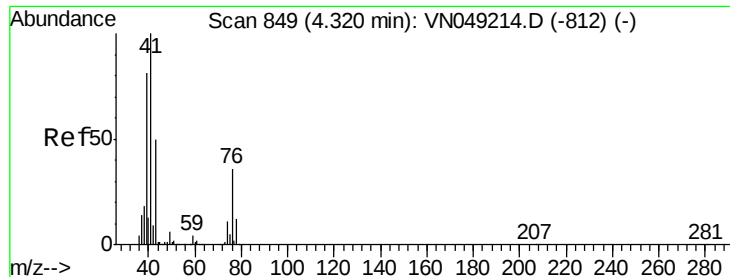
Tot Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 42.11 ug/l
RT: 3.56 min Scan# 612
Delta R.T. -0.05 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 56 Resp: 31923
Ion Ratio Lower Upper
56 100
55 2160.8 57.1 85.7#

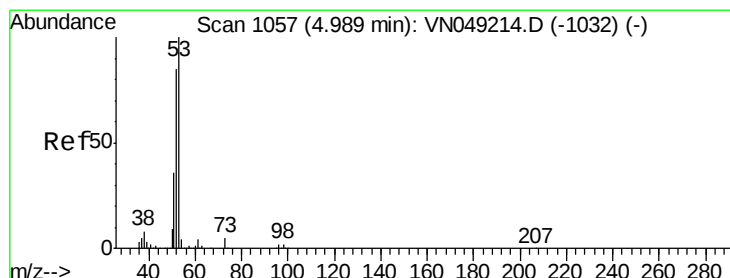
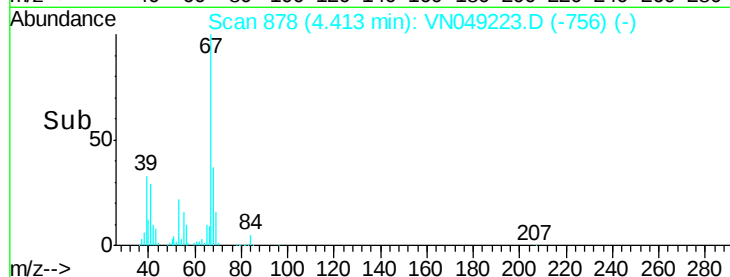
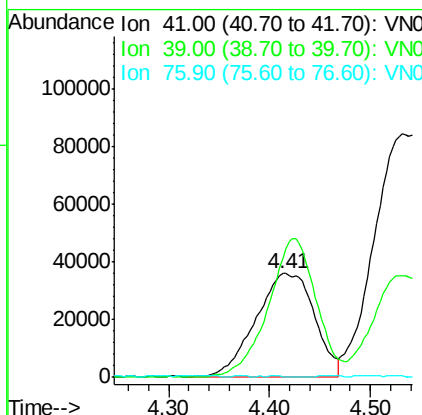
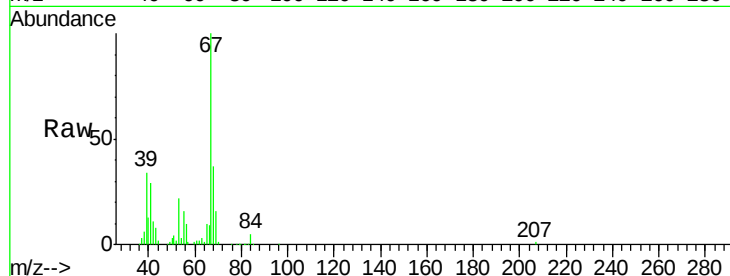




#14
Allvl chloride
Concen: 9.77 ug/l
RT: 4.41 min Scan# 878
Delta R.T. 0.09 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

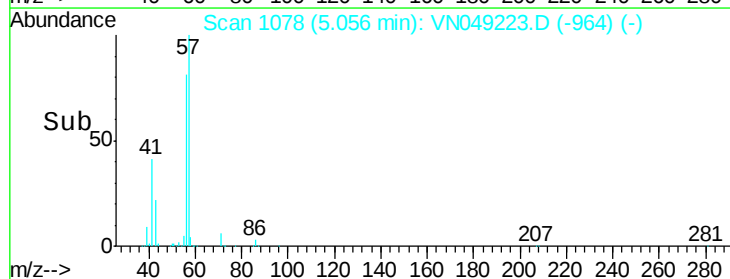
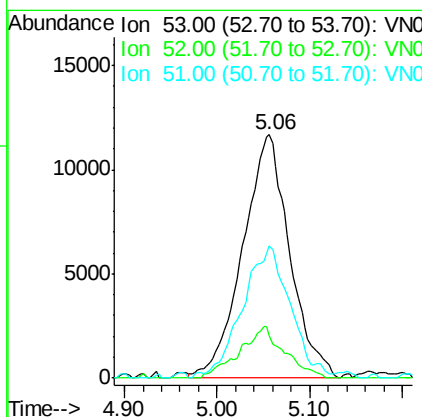
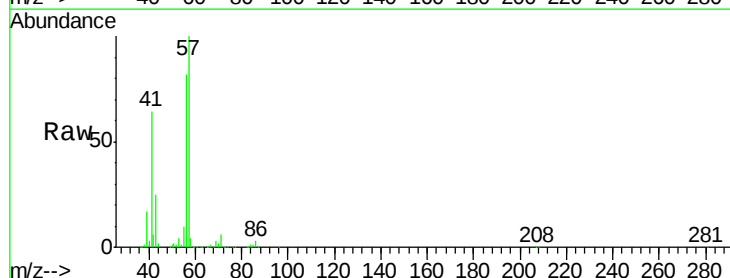
Instrument :
MSVOA_N
ClientSampled :

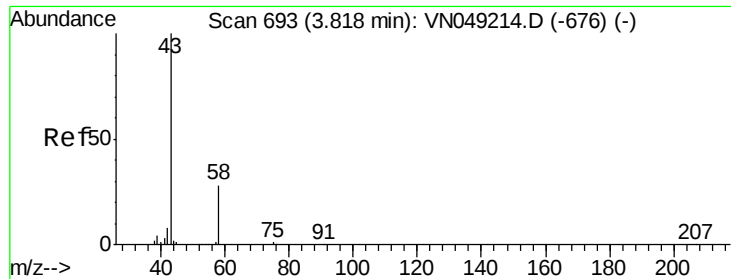
Tot Ion: 41 Resp: 144943
Ion Ratio Lower Upper
41 100
39 108.7 62.5 93.7#
76 0.0 27.1 40.7#



#15
Acrylonitrile
Concen: 13.71 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.07 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 53 Resp: 41078
Ion Ratio Lower Upper
53 100
52 20.2 66.6 100.0#
51 50.6 29.8 44.8#

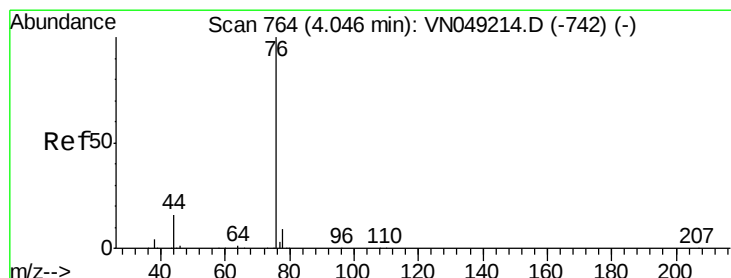
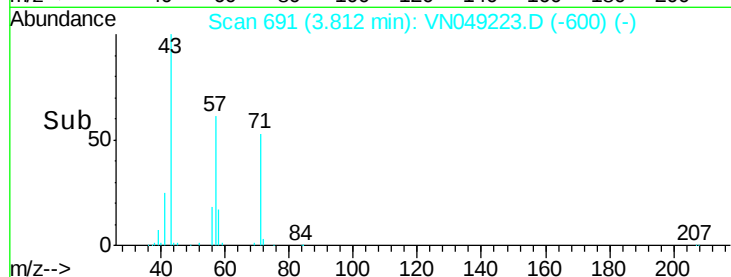
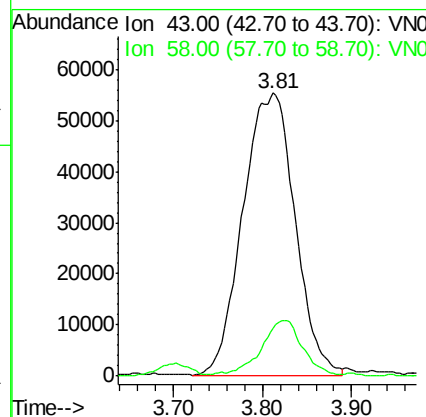
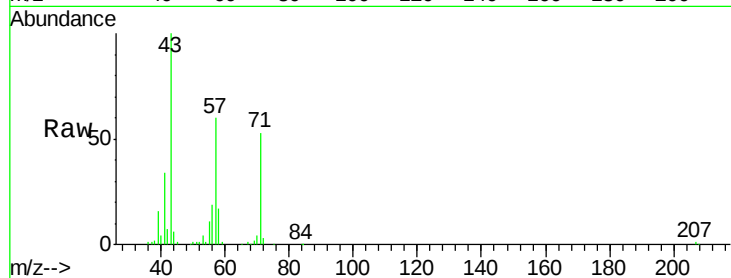




#16
Acetone
Concen: 91.64 ug/l
RT: 3.81 min Scan# 691
Delta R.T. -0.01 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

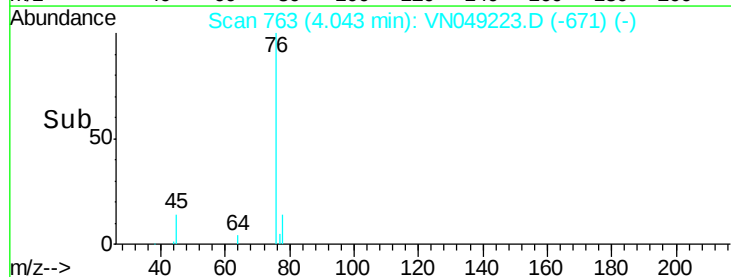
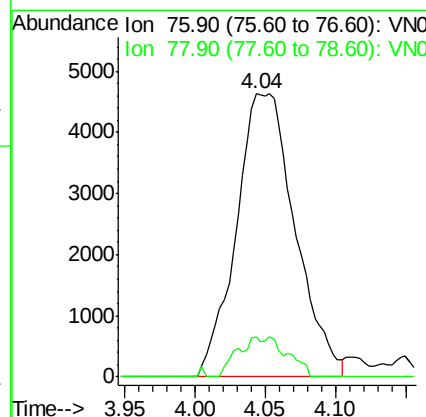
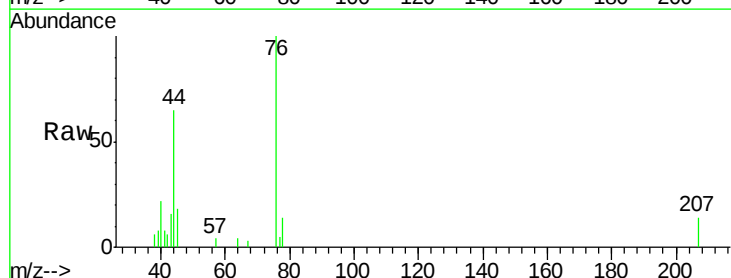
Instrument :
MSVOA_N
ClientSampled :

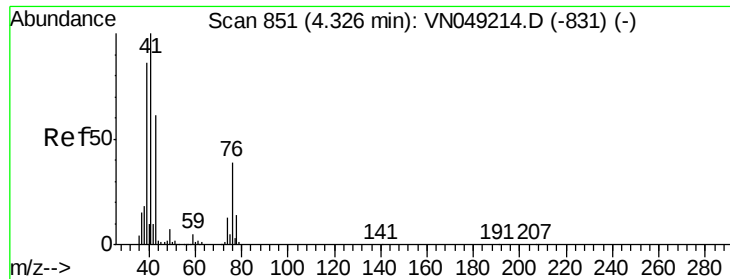
Tot Ion: 43 Resp: 223656
Ion Ratio Lower Upper
43 100
58 16.5 22.4 33.6#



#17
Carbon Disulfide
Concen: 0.50 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 76 Resp: 13497
Ion Ratio Lower Upper
76 100
78 14.3 7.4 11.0#

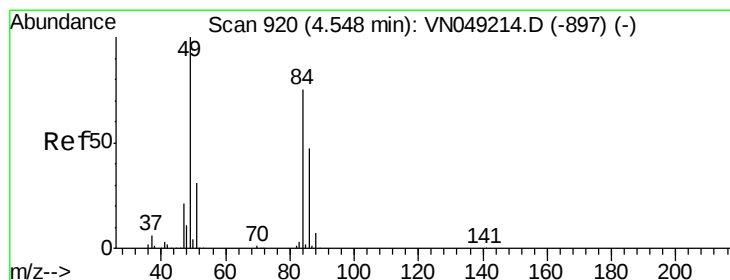
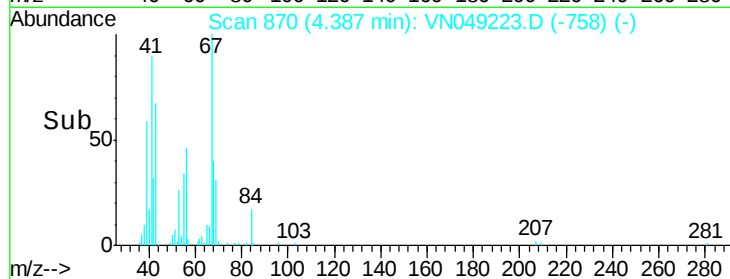
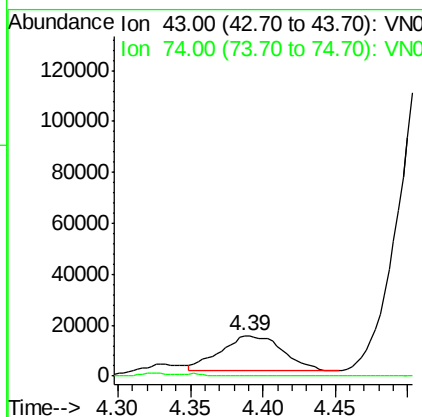
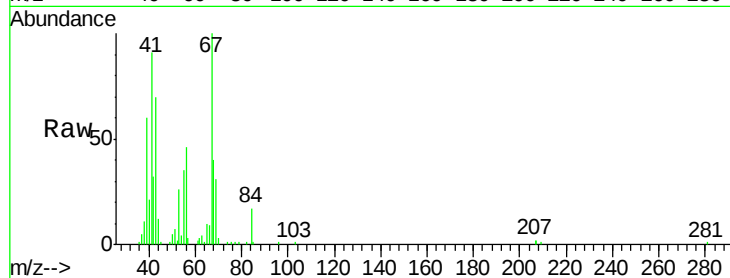




#18
Methvl Acetate
Concen: 3.72 ug/l
RT: 4.39 min Scan# 870
Delta R.T. 0.06 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

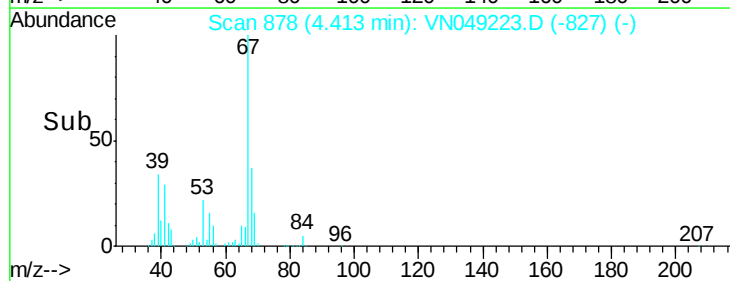
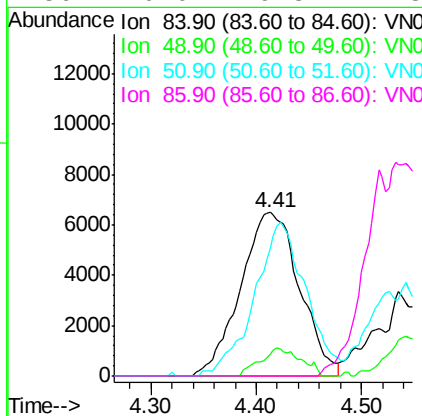
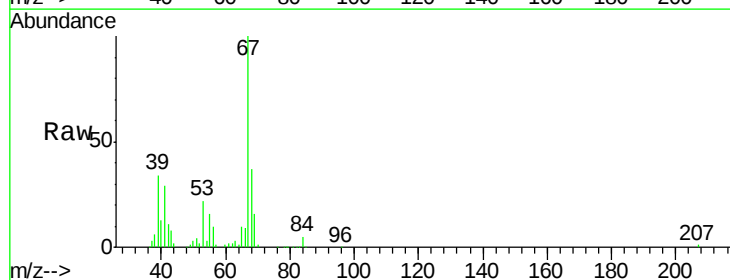
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MSVOA_N
ClientSampled :

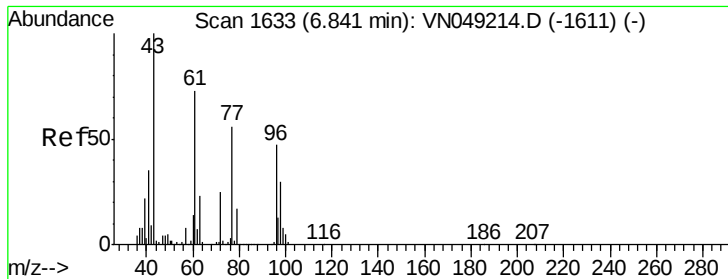
Tot Ion: 43 Resp: 41245
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 2.55 ug/l
RT: 4.41 min Scan# 878
Delta R.T. -0.13 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 84 Resp: 25272
Ion Ratio Lower Upper
84 100
49 13.5 106.9 160.3#
51 78.2 32.7 49.1#
86 0.0 49.8 74.8#





#25

2-Butanone

Concen: 13.05 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

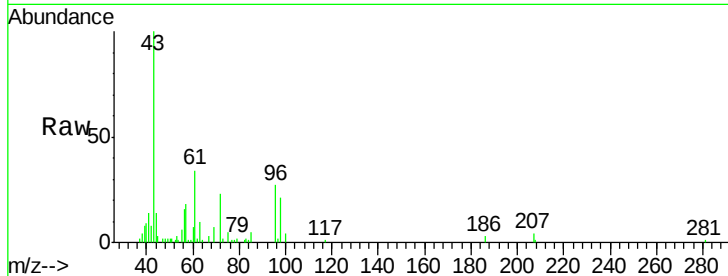
ClientSampled :

Tot Ion: 43 Resp: 45597

Ion Ratio Lower Upper

43 100

72 23.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

15000

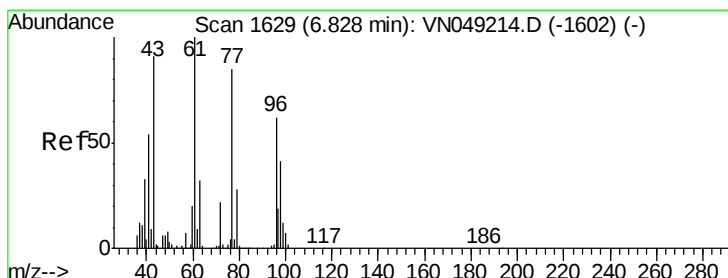
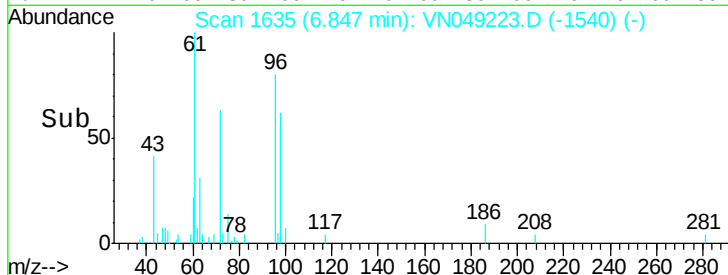
10000

5000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 1.53 ug/l

RT: 6.63 min Scan# 1566

Delta R.T. -0.20 min

Lab File: VN049223.D

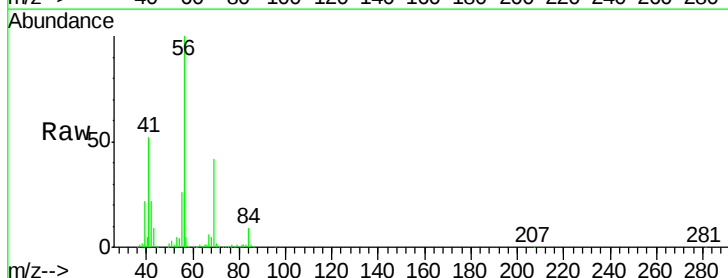
Acq: 14 Jun 2018 13:15

Tgt Ion: 77 Resp: 20270

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6000

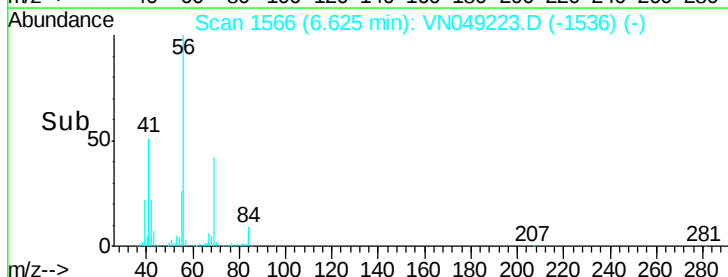
4000

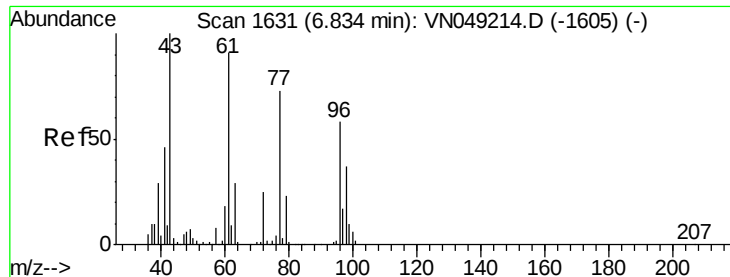
2000

0

6.55 6.60 6.65 6.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.83 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :

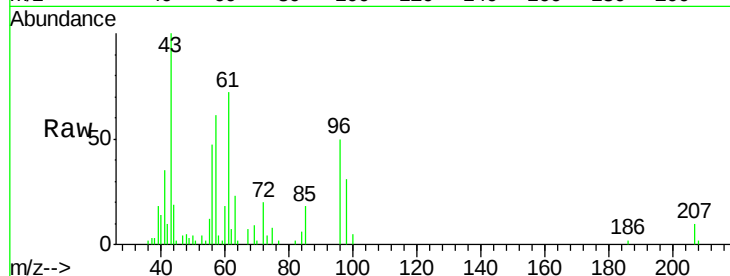
Tot Ion: 96 Resp: 7918

Ion Ratio Lower Upper

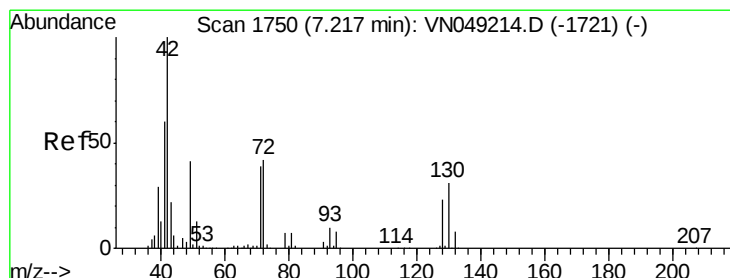
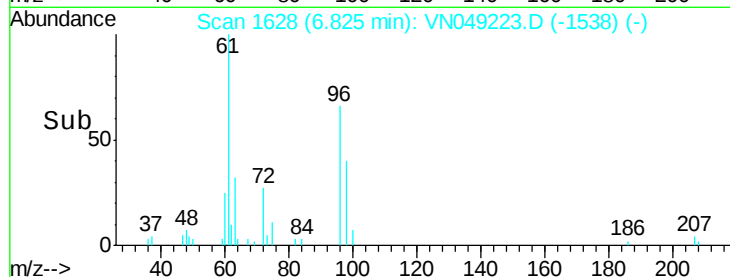
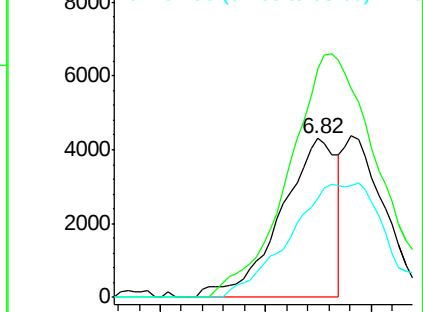
96 100

61 245.8 0.0 316.4

98 72.1 0.0 128.4



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



#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

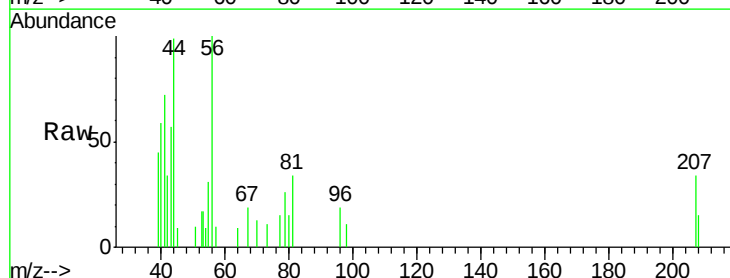
Tgt Ion: 42 Resp: 784

Ion Ratio Lower Upper

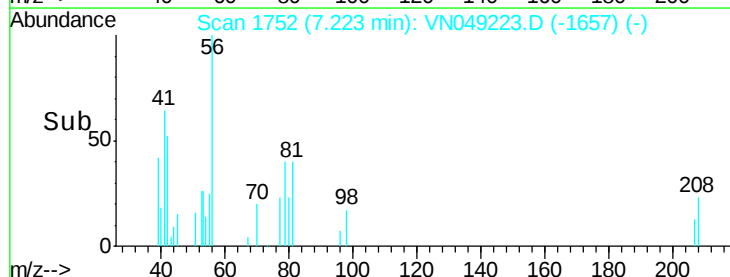
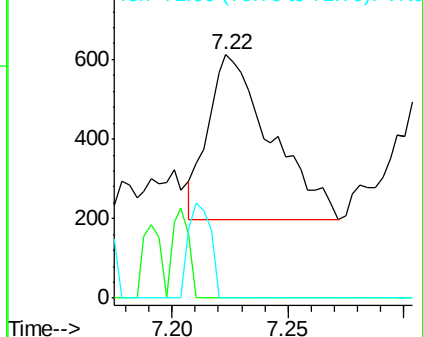
42 100

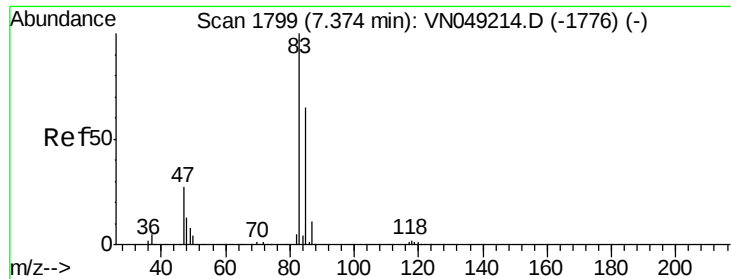
72 14.3 32.2 48.4#

71 0.0 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

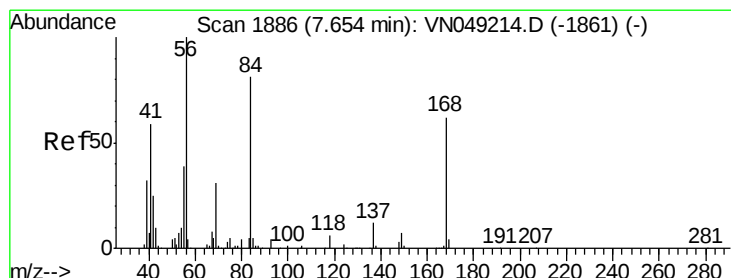
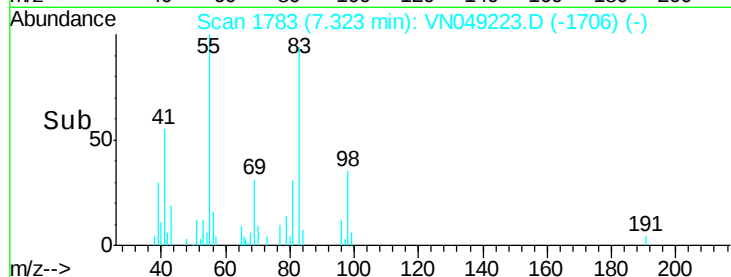
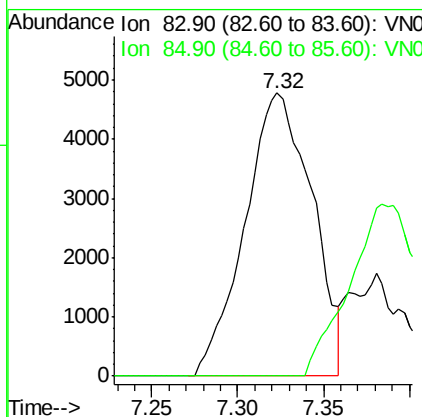
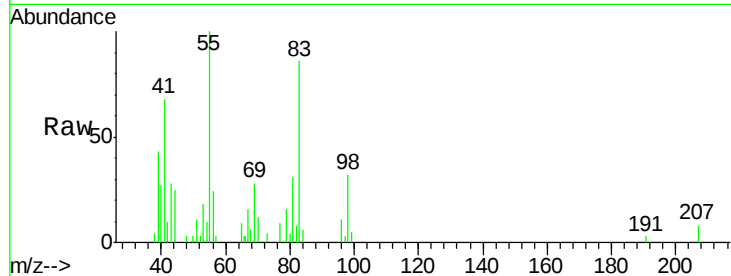




#30
Chloroform
Concen: 0.76 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.05 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

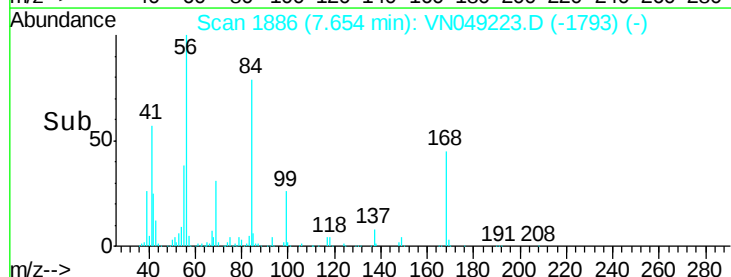
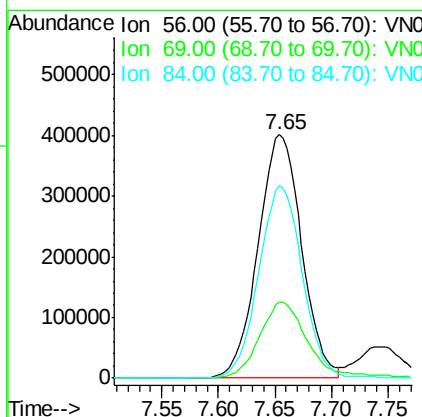
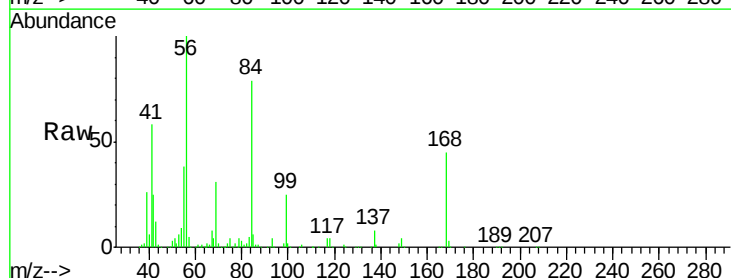
Instrument :
MSVOA_N
ClientSampled :

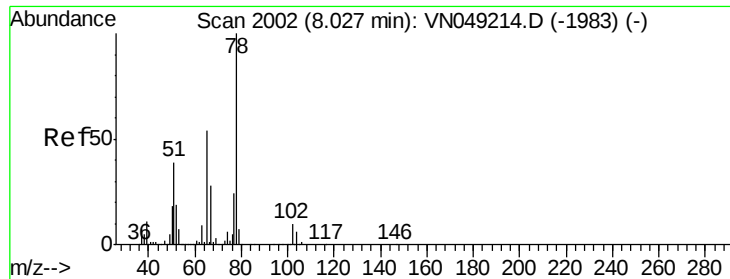
Tot Ion: 83 Resp: 12955
Ion Ratio Lower Upper
83 100
85 0.0 51.7 77.5#



#31
Cyclohexane
Concen: 70.53 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 56 Resp: 1069274
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.4
84 78.9 64.6 96.8

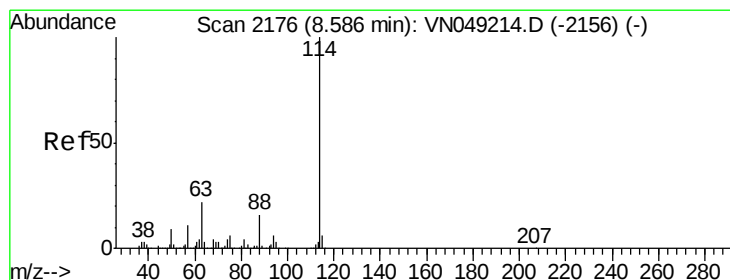
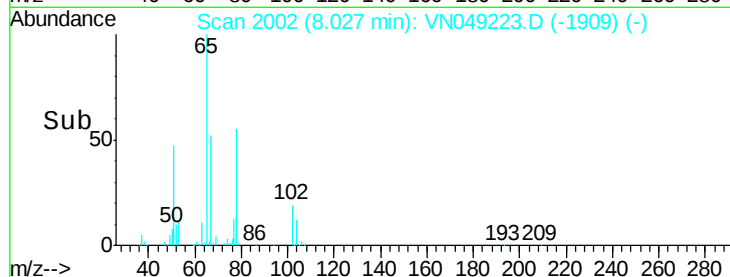
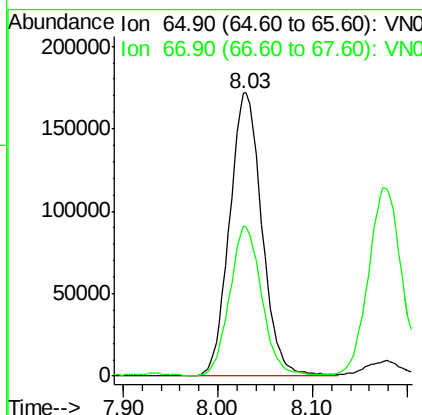
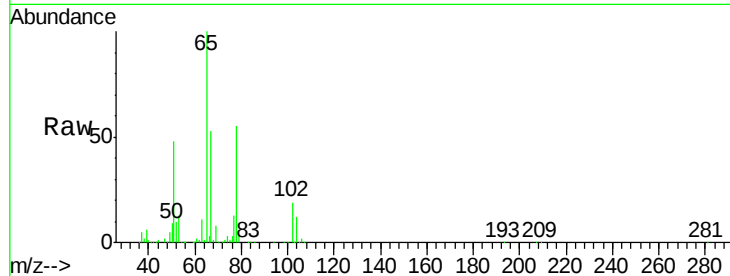




#33
 1,2-Dichloroethane-d4
 Concen: 40.07 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

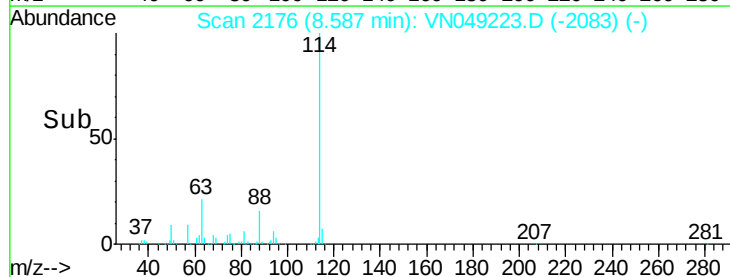
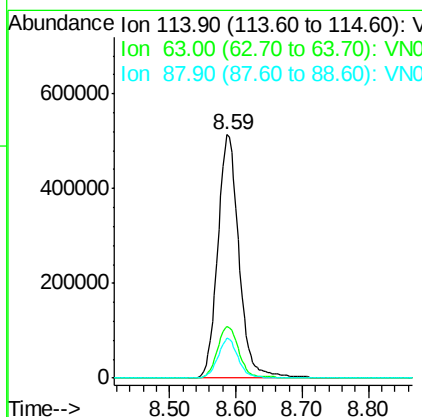
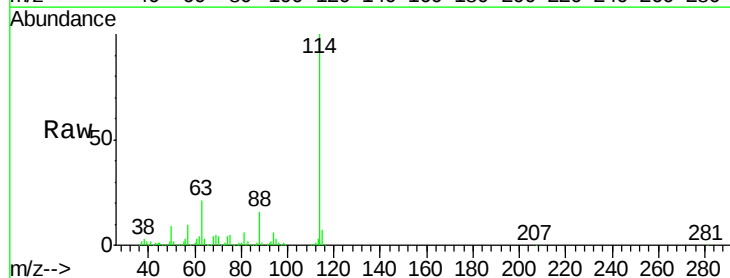
Instrument :
 MSVOA_N
 ClientSampleId :

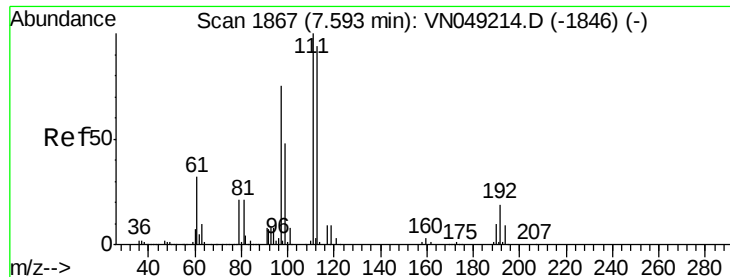
Tot Ion: 65 Resp: 409309
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Tgt Ion: 114 Resp: 1144328
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.4
 88 16.5 0.0 31.4

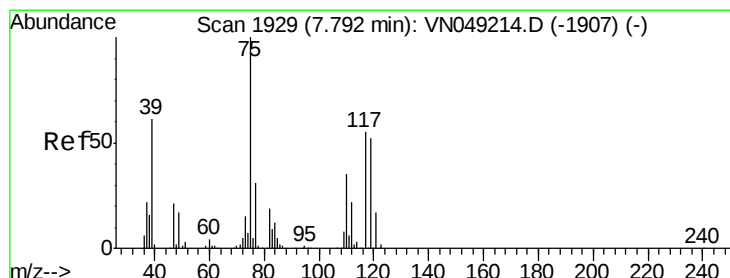
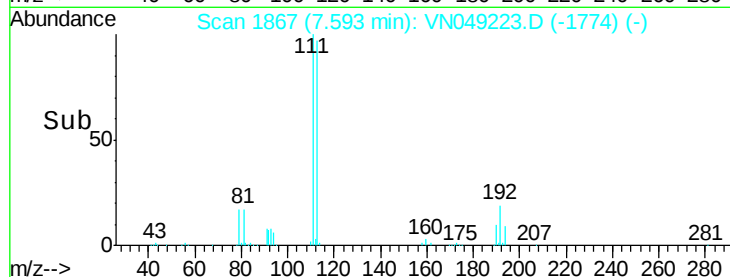
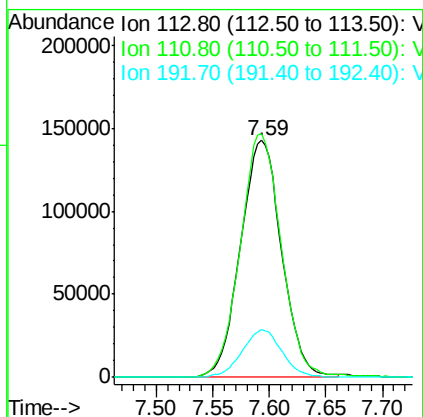
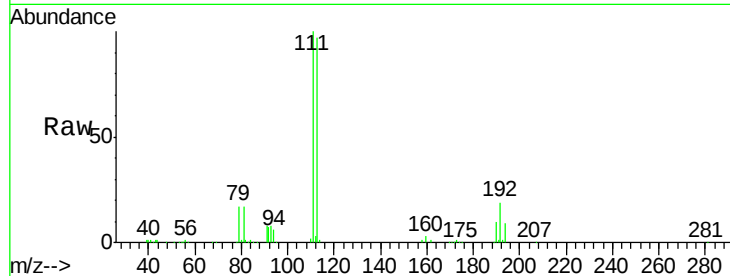




#35
 Dibromofluoromethane
 Concen: 38.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

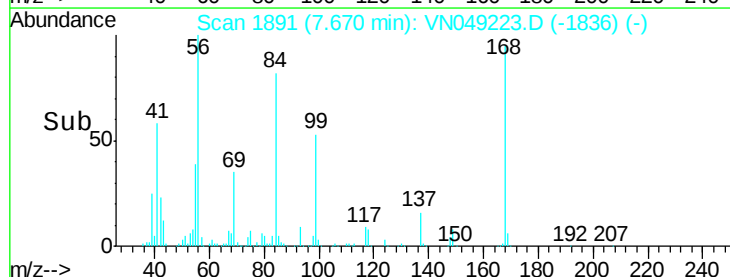
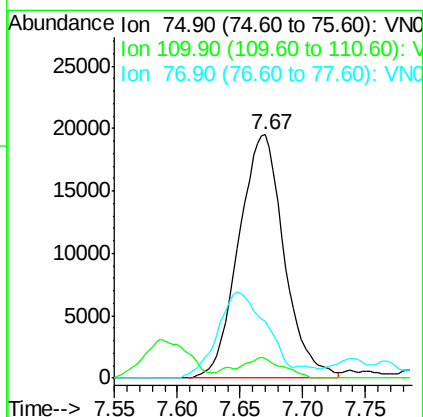
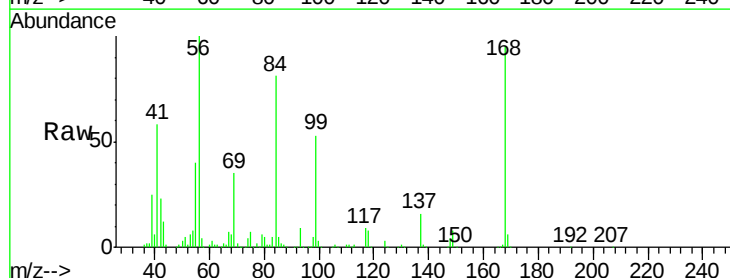
Instrument :
 MSVOA_N
 ClientSampleId :

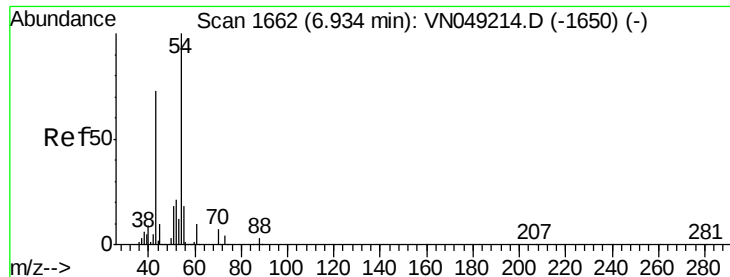
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.6	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.43 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	17.0	50.9#
77	0.0	24.4	36.6#

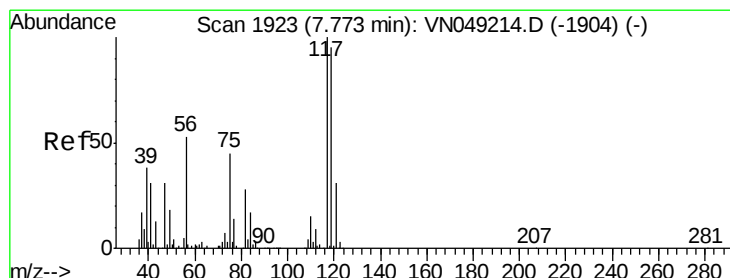
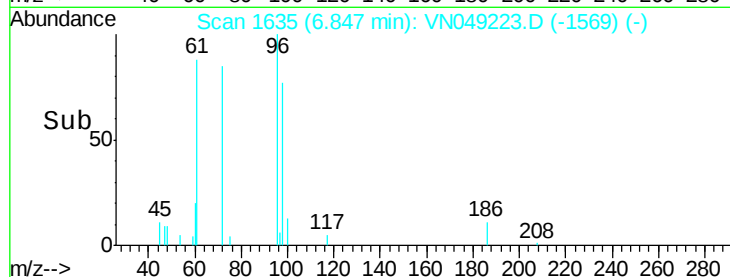
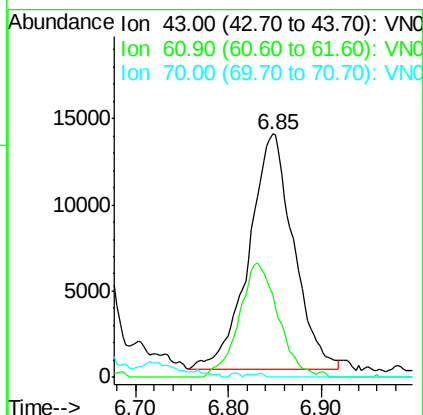
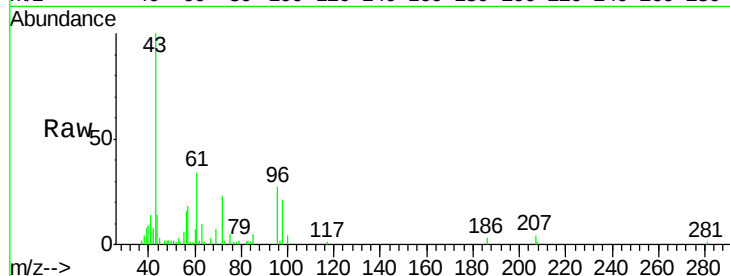




#37
Ethyl Acetate
Concen: 5.05 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

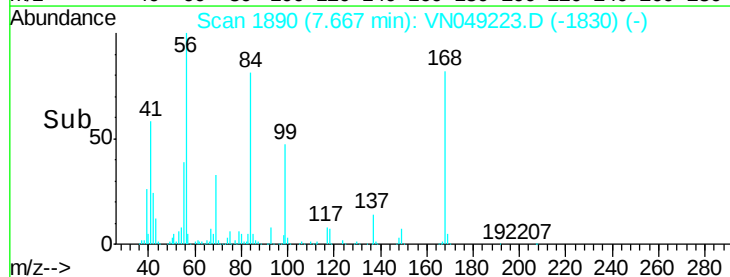
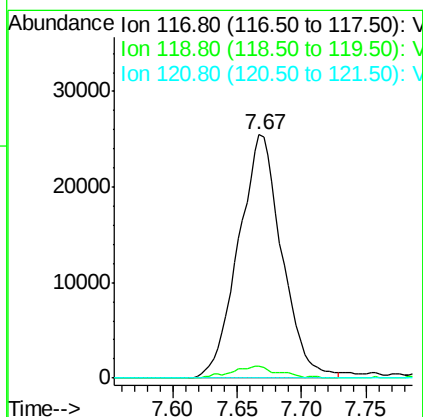
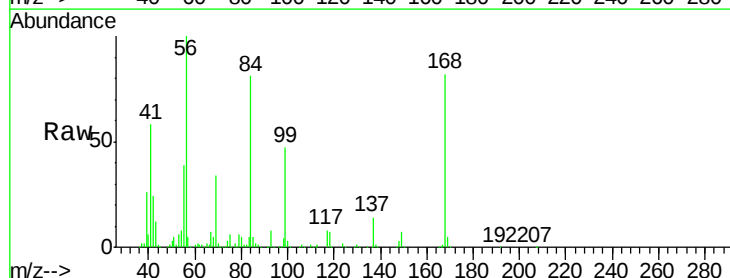
Instrument :
MSVOA_N
ClientSampleId :

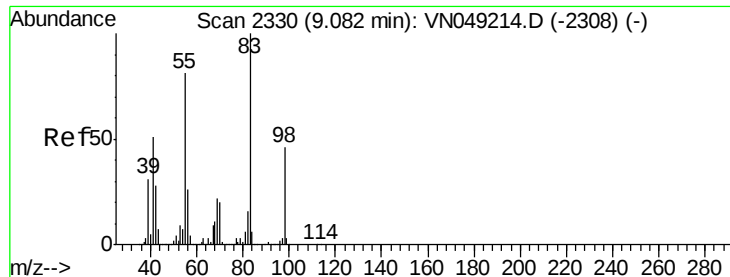
Tot Ion: 43 Resp: 45597
Ion Ratio Lower Upper
43 100
61 42.7 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.14 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 117 Resp: 59614
Ion Ratio Lower Upper
117 100
119 5.0 75.6 113.4#
121 0.0 24.7 37.1#

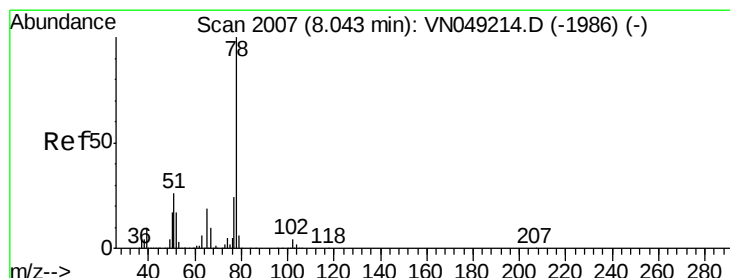
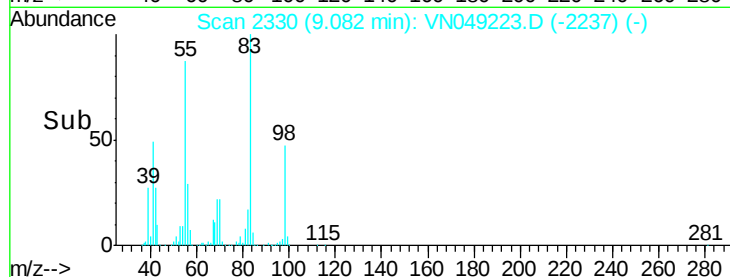
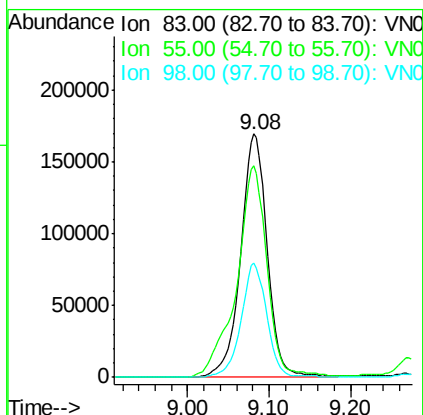
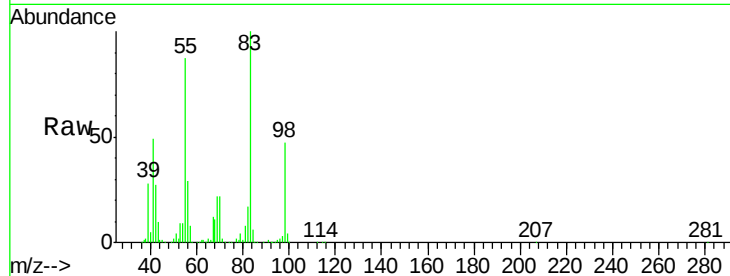




#39
Methvlcvclohexane
Concen: 25.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

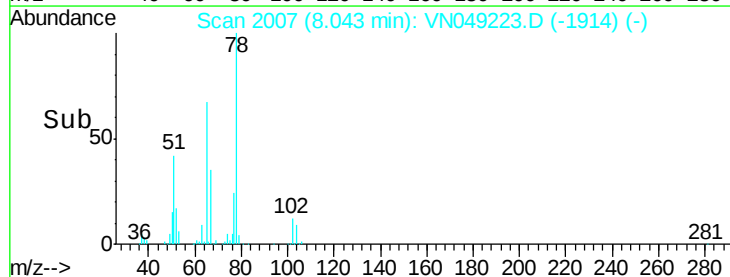
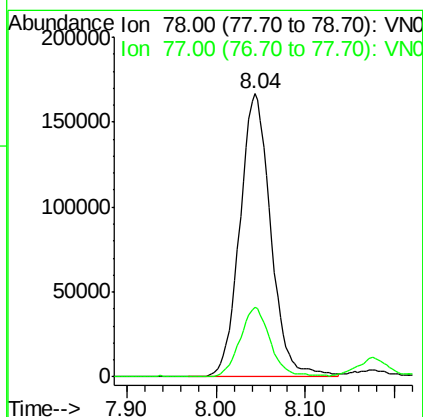
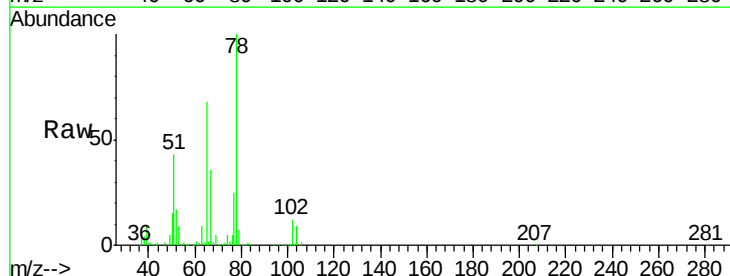
Instrument :
MSVOA_N
ClientSampled :

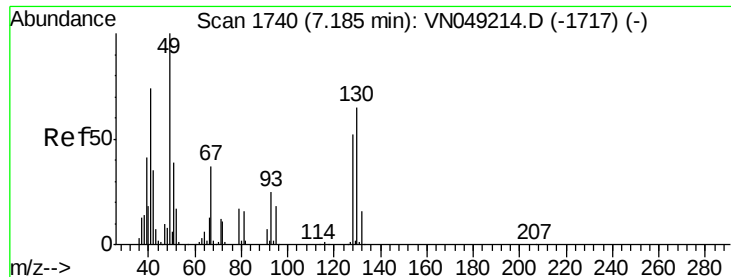
Tot Ion: 83 Resp: 378993
Ion Ratio Lower Upper
83 100
55 86.5 65.1 97.7
98 46.9 36.5 54.7



#40
Benzene
Concen: 9.31 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 78 Resp: 403354
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0

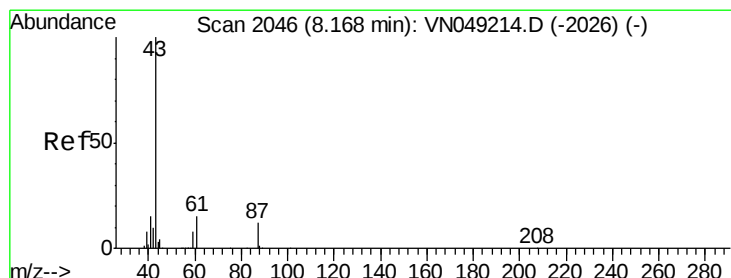
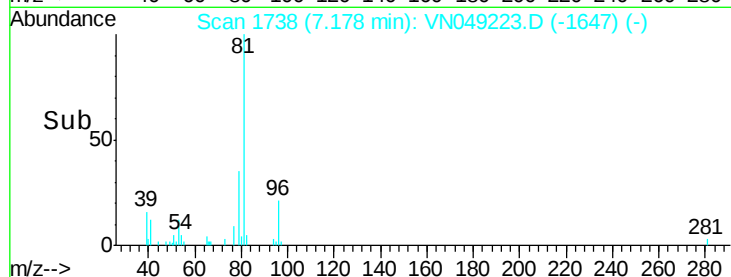
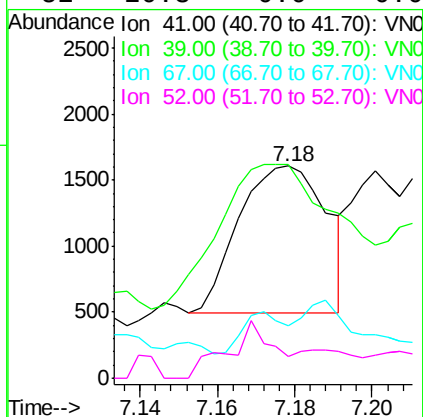
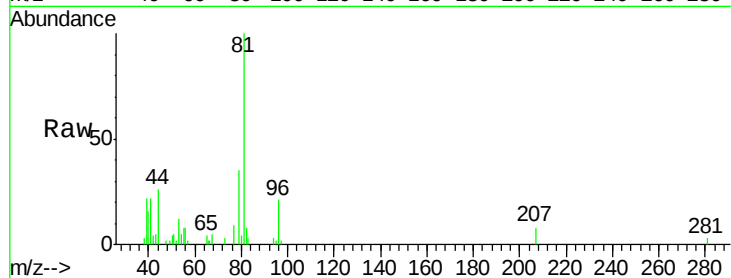




#41
Methacrylonitrile
Concen: 0.34 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

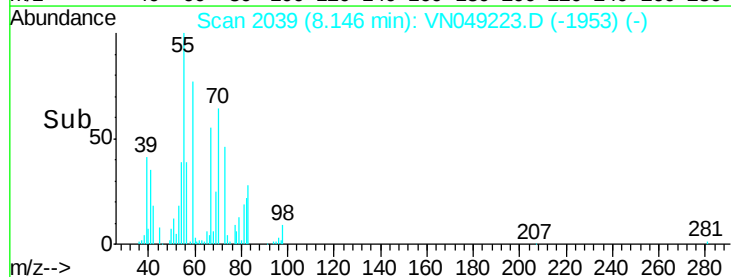
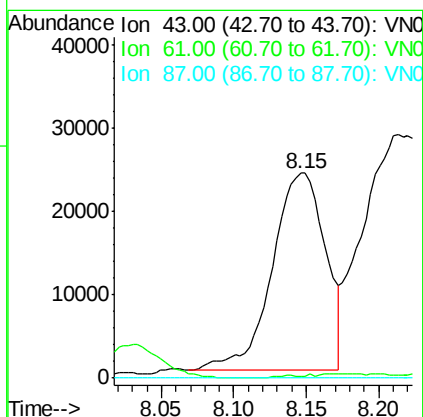
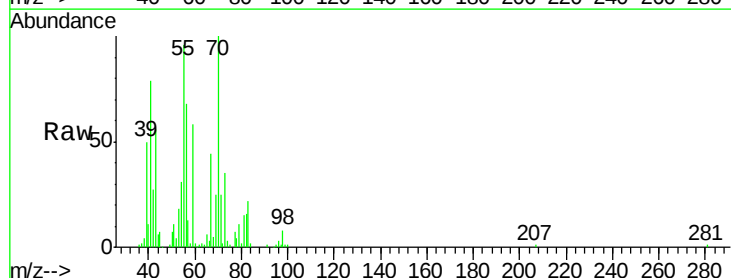
Instrument :
MSVOA_N
ClientSampleId :

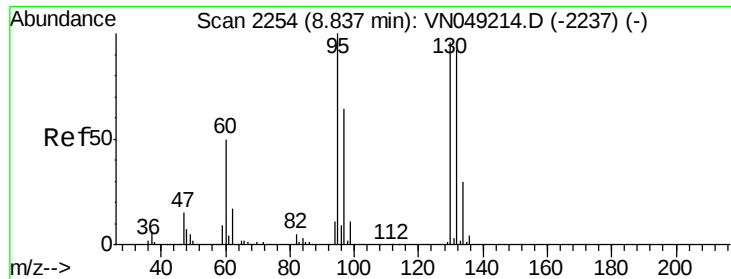
Tot Ion:	41	Resp:	1733
Ion	Ratio	Lower	Upper
41	100		
39	137.2	0.0	0.0#
67	0.0	0.0	0.0
52	20.3	0.0	0.0#



#43
Isopropyl Acetate
Concen: 3.67 ug/l
RT: 8.15 min Scan# 2039
Delta R.T. -0.02 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion:	43	Resp:	60839
Ion	Ratio	Lower	Upper
43	100		
61	0.5	14.2	21.4#
87	0.0	9.4	14.0#





#44

Trichloroethene

Concen: 1.15 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

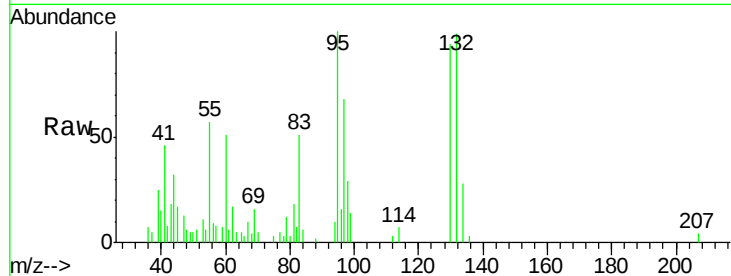
ClientSampled :

Tot Ion:130 Resp: 12432

Ion Ratio Lower Upper

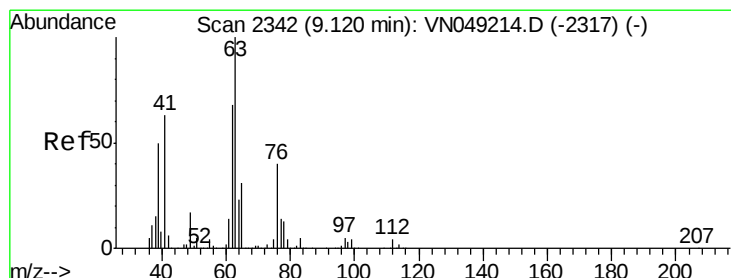
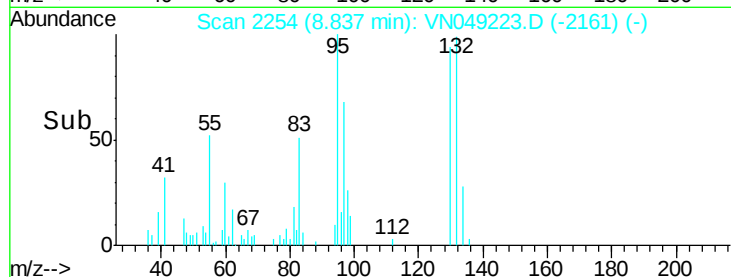
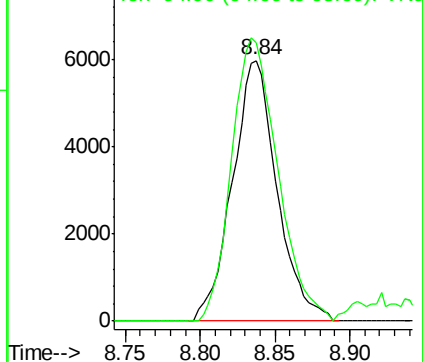
130 100

95 106.8 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.50 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. -0.04 min

Lab File: VN049223.D

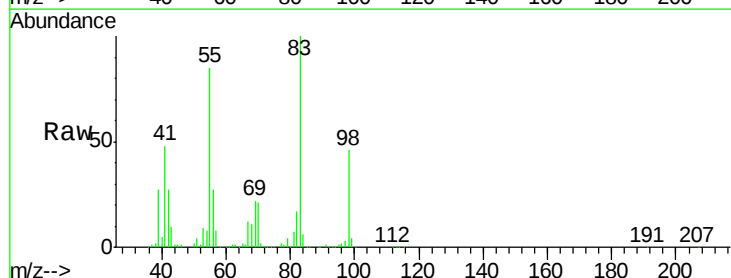
Acq: 14 Jun 2018 13:15

Tgt Ion: 63 Resp: 5930

Ion Ratio Lower Upper

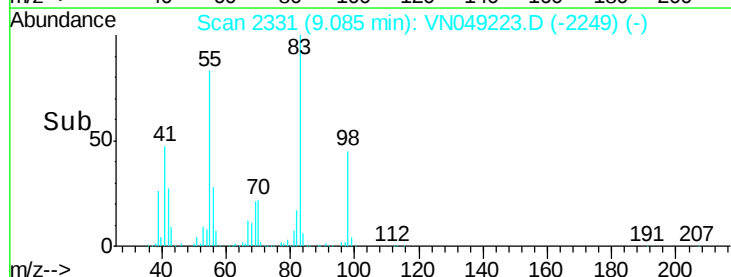
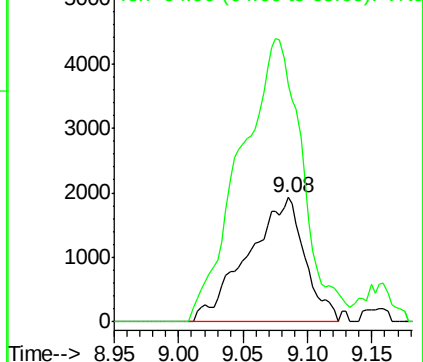
63 100

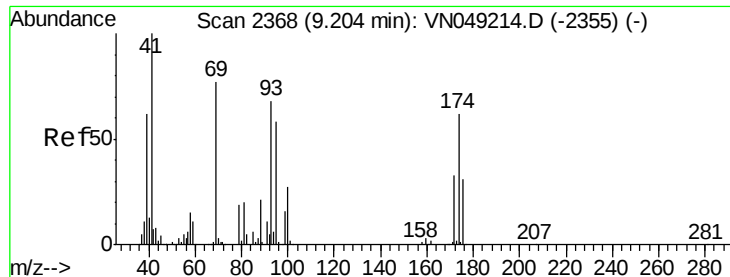
65 191.5 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

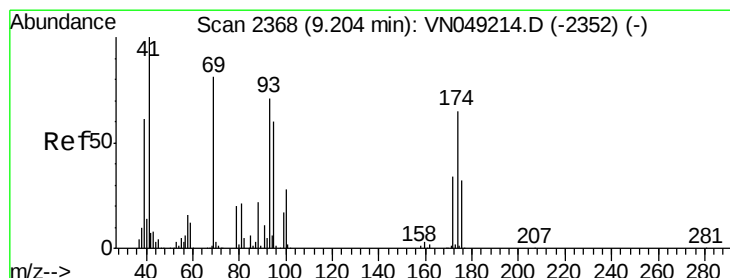
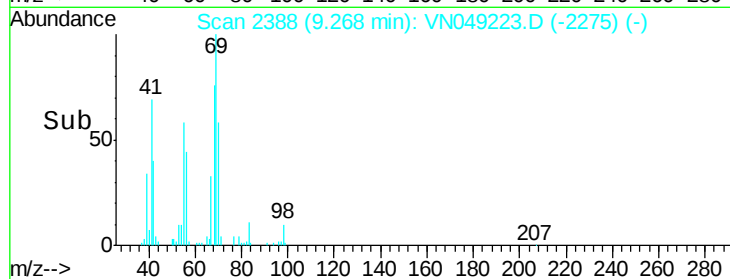
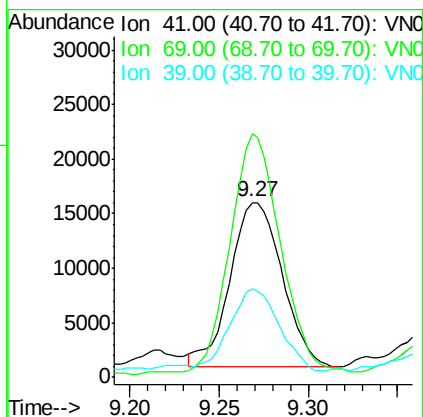
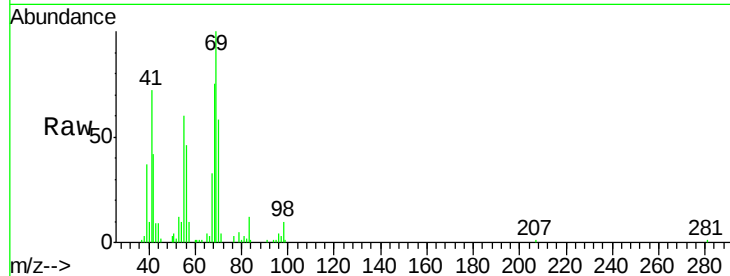




#48
Methvl methacrylate
Concen: 3.78 ug/l
RT: 9.27 min Scan# 2388
Delta R.T. 0.06 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

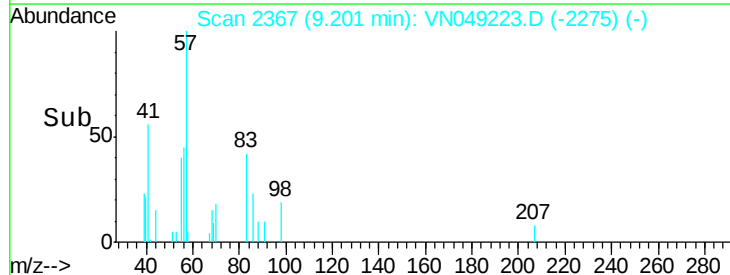
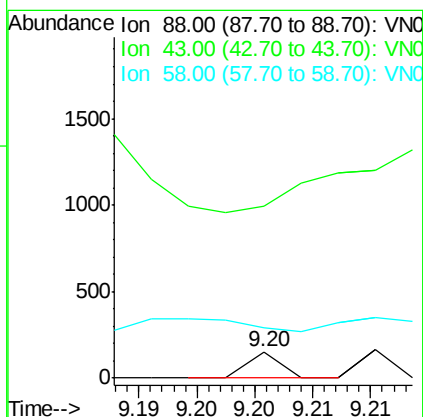
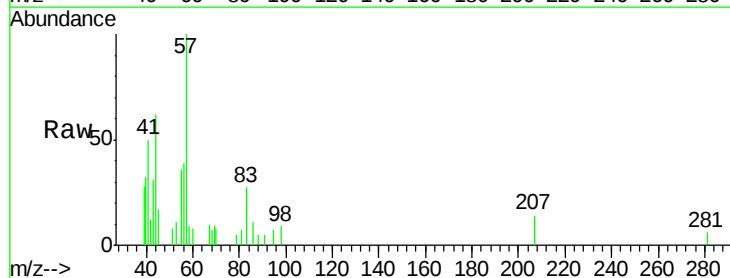
Instrument :
MSVOA_N
ClientSampled :

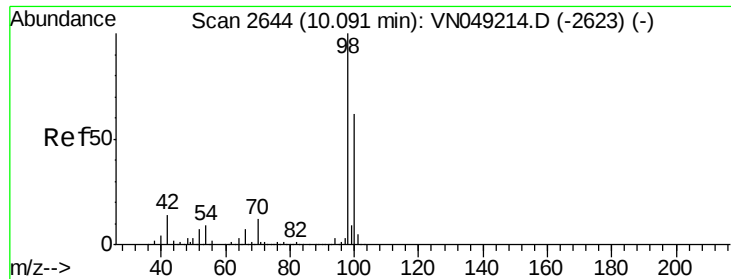
Tot Ion: 41 Resp: 30669
Ion Ratio Lower Upper
41 100
69 139.7 62.0 93.0#
39 47.1 50.6 75.8#



#49
1,4-Dioxane
Concen: 0.31 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 380.0 58.9 88.3#

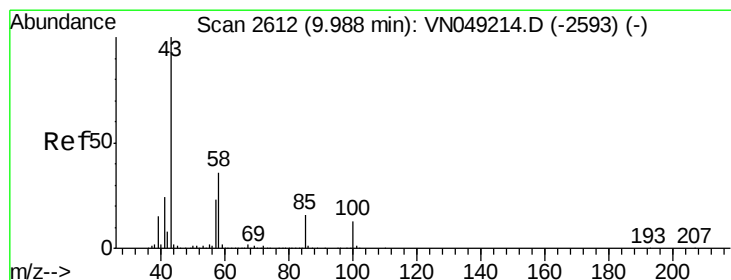
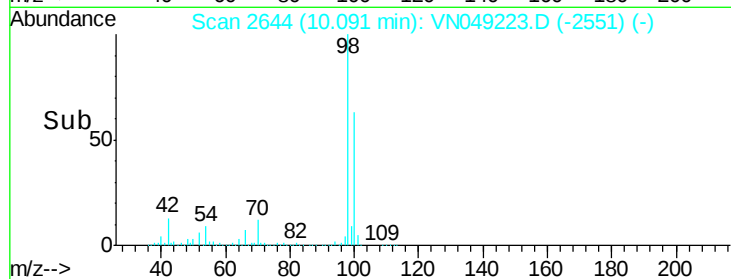
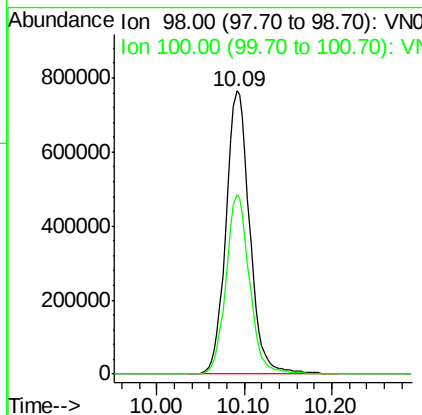
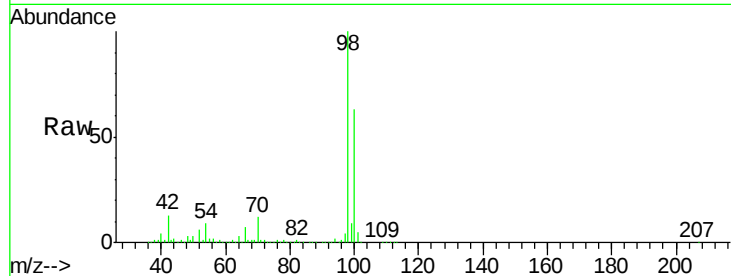




#50
Toluene-d8
Concen: 39.14 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

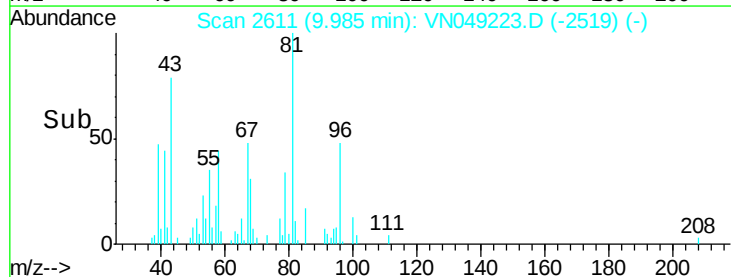
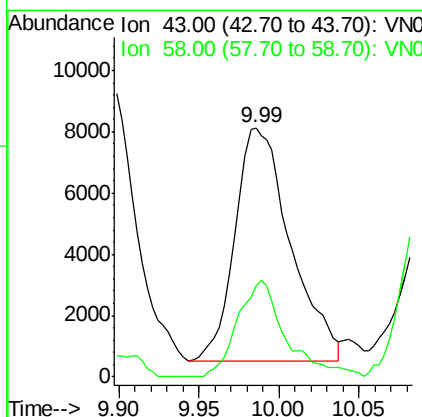
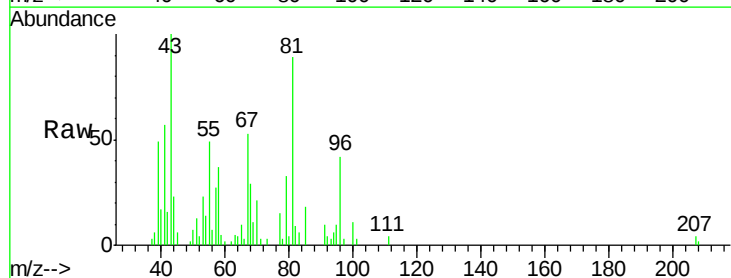
Instrument :
MSVOA_N
ClientSampled :

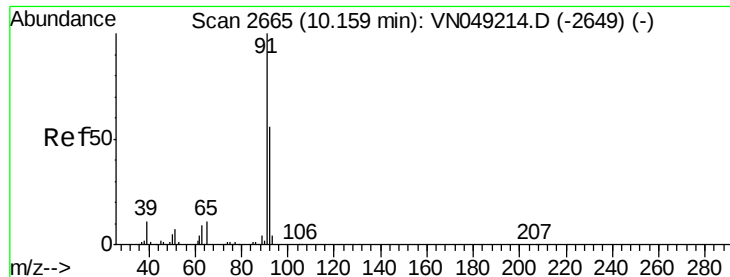
Tot Ion: 98 Resp: 1441983
Ion Ratio Lower Upper
98 100
100 62.9 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 2.06 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 43 Resp: 18190
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.6





#52

Toluene

Concen: 15.06 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

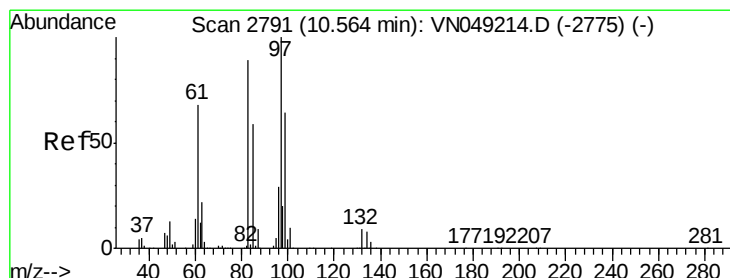
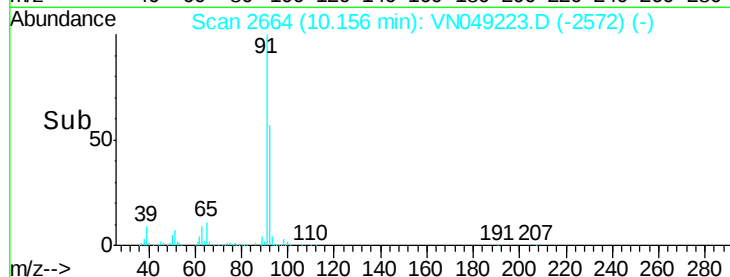
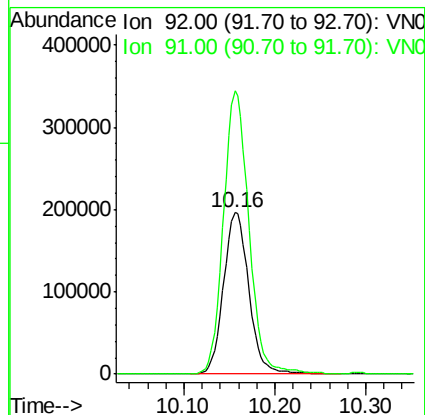
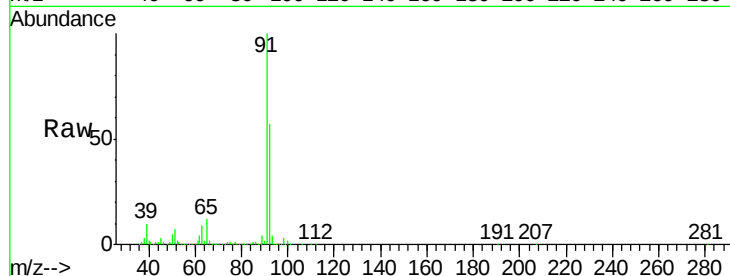
ClientSampleId :

Tot Ion: 92 Resp: 379547

Ion Ratio Lower Upper

92 100

91 175.5 143.4 215.2



#55

1,1,2-Trichloroethane

Concen: 2.73 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Tgt Ion: 97 Resp: 25296

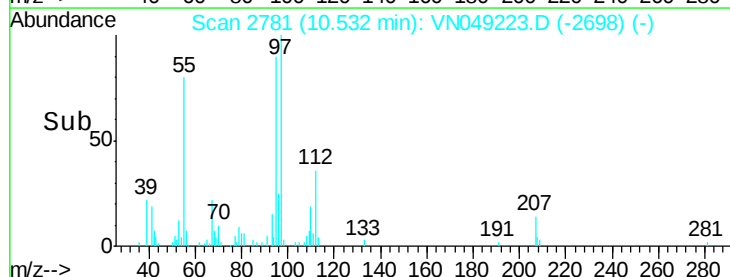
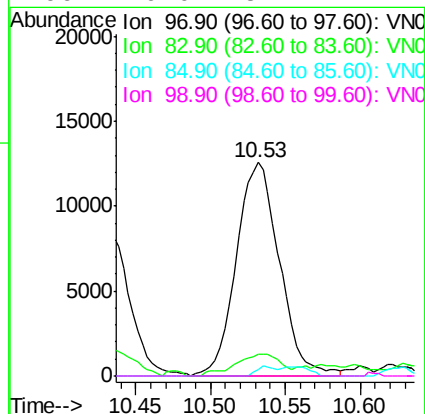
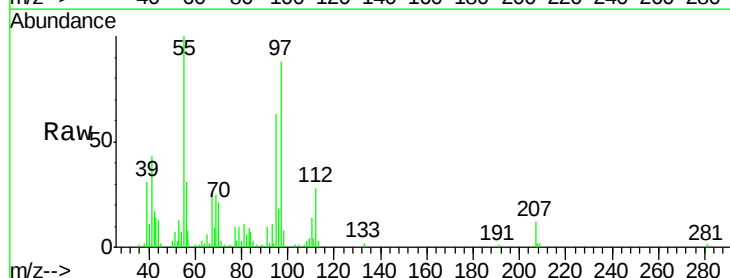
Ion Ratio Lower Upper

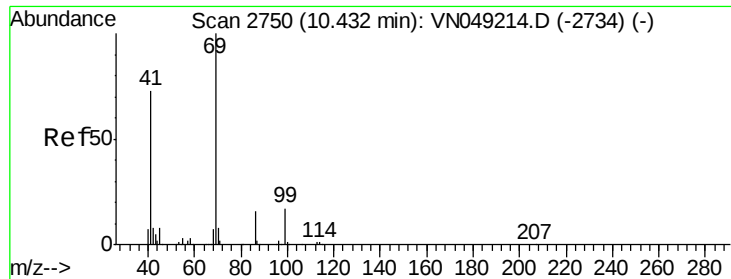
97 100

83 10.0 71.5 107.3#

85 3.3 47.0 70.4#

99 0.0 51.4 77.2#





#56

Ethyl methacrylate

Concen: 0.44 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

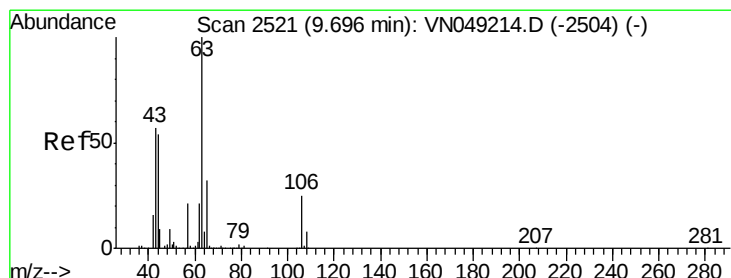
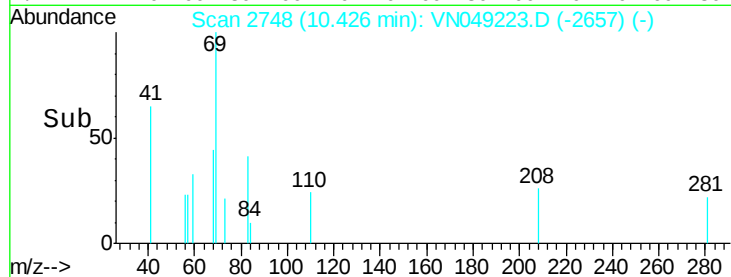
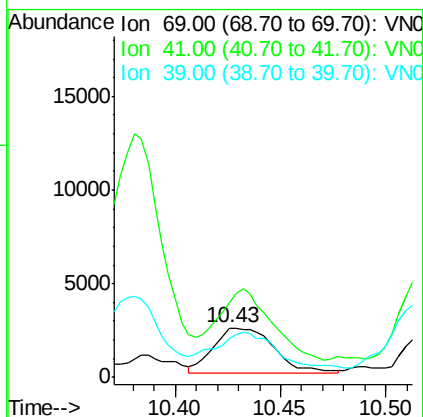
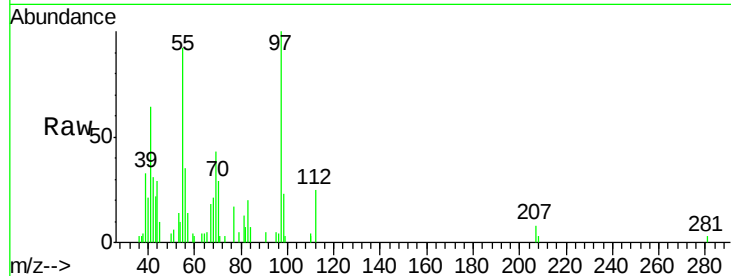
Tot Ion: 69 Resp: 4892

Ion Ratio Lower Upper

69 100

41 136.4 58.4 87.6#

39 77.0 35.5 53.3#



#58

2-Chloroethyl Vinyl ether

Concen: 13.22 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049223.D

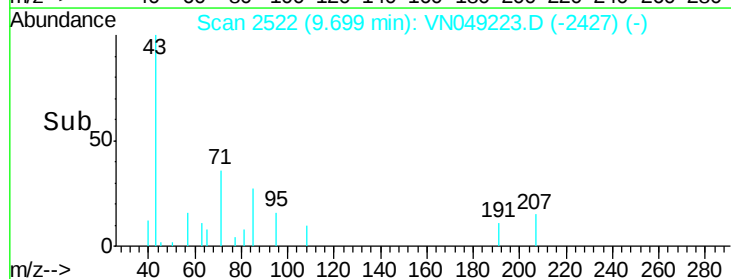
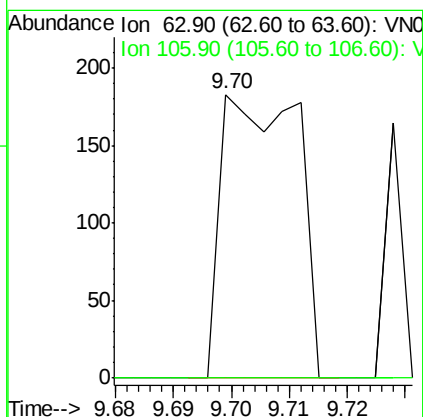
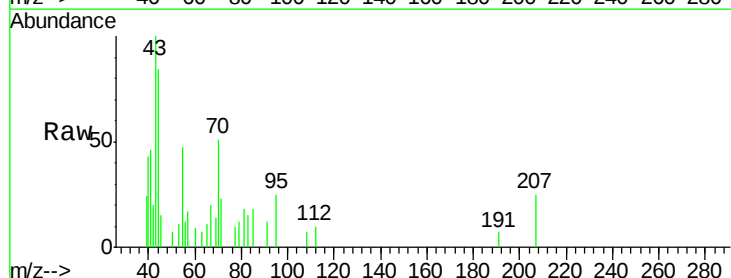
Acq: 14 Jun 2018 13:15

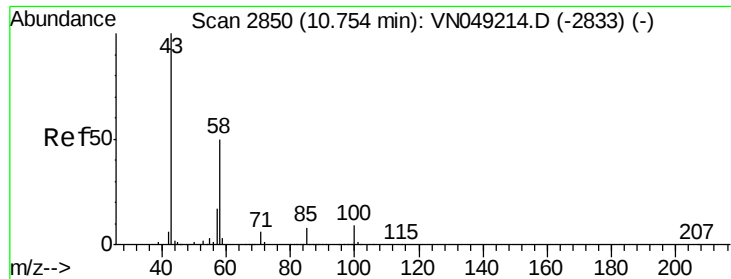
Tgt Ion: 63 Resp: 166

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#

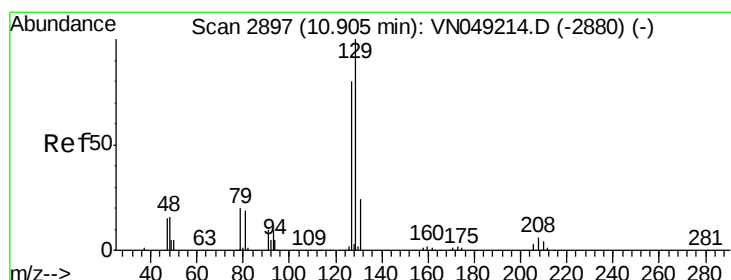
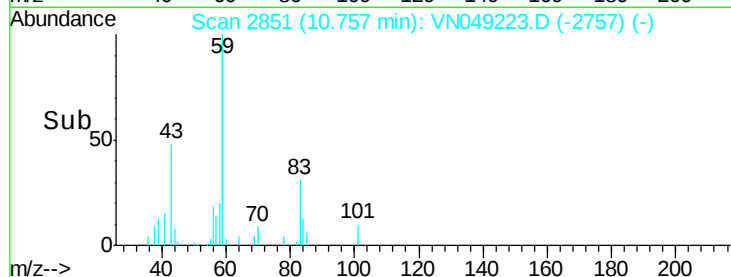
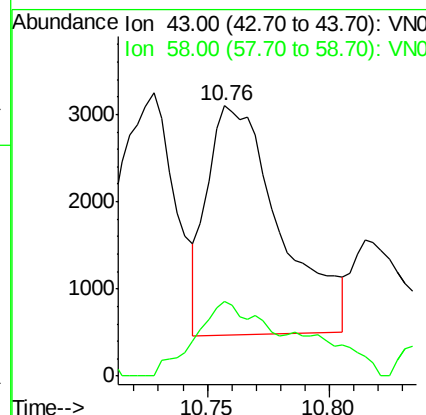
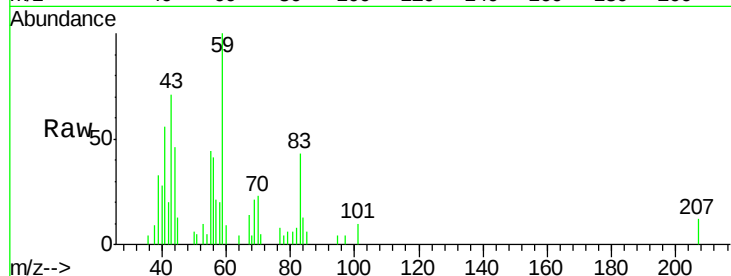




#59
2-Hexanone
Concen: 0.99 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

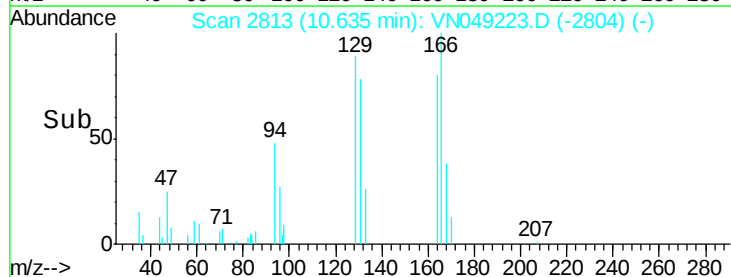
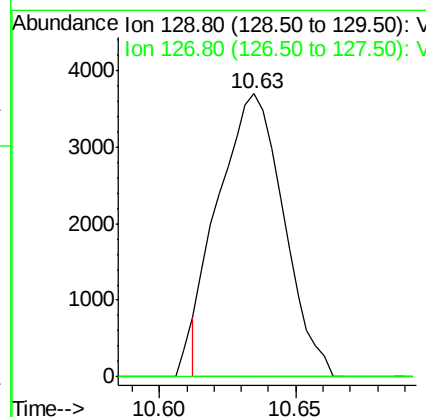
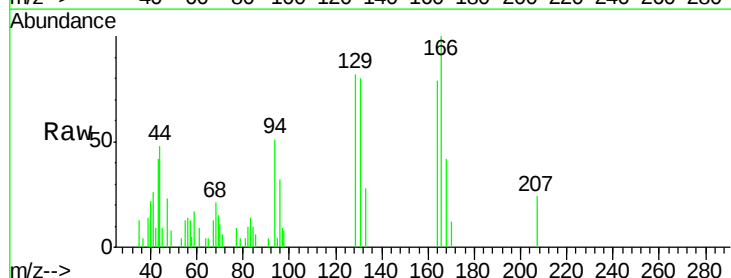
Instrument :
MSVOA_N
ClientSampled :

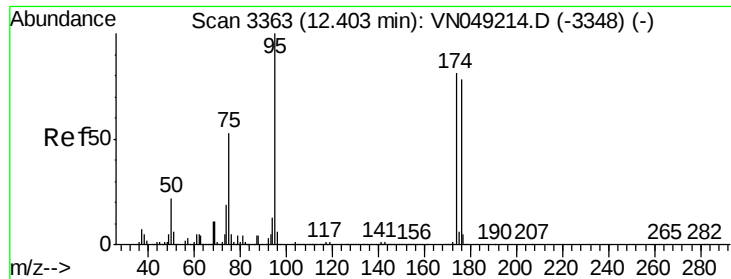
Tot Ion: 43 Resp: 5429
Ion Ratio Lower Upper
43 100
58 30.3 25.2 75.6



#60
Dibromochloromethane
Concen: 0.60 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.27 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 129 Resp: 6111
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

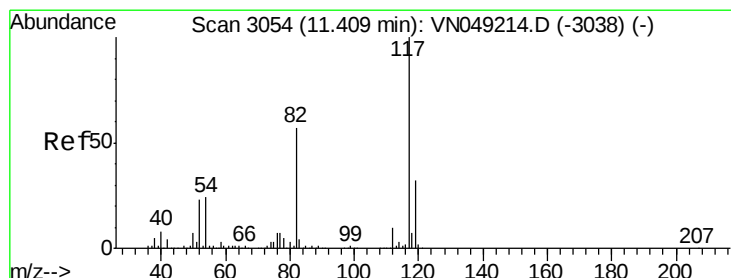
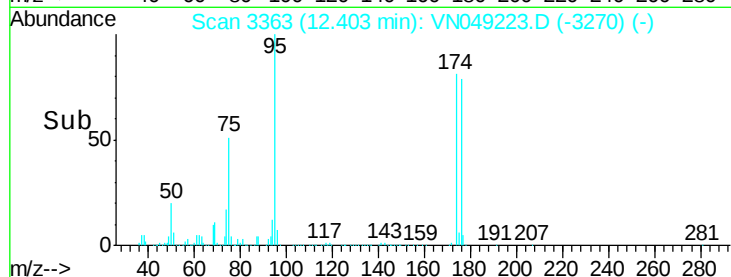
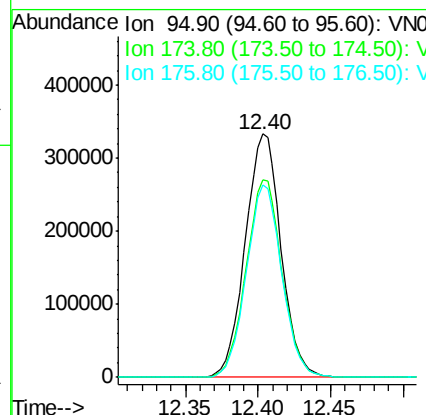
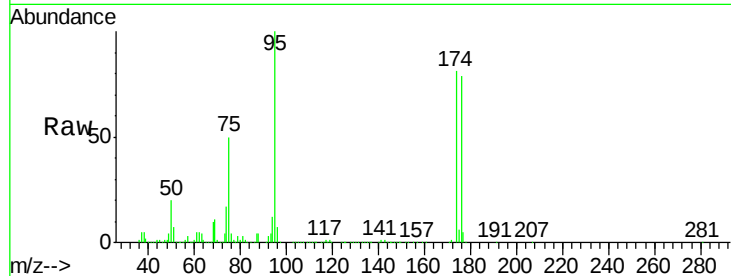




#62
4-Bromofluorobenzene
Concen: 46.54 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

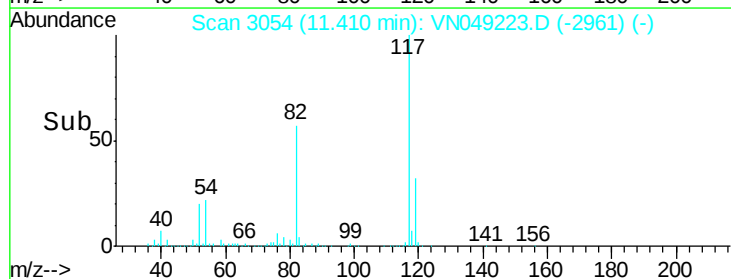
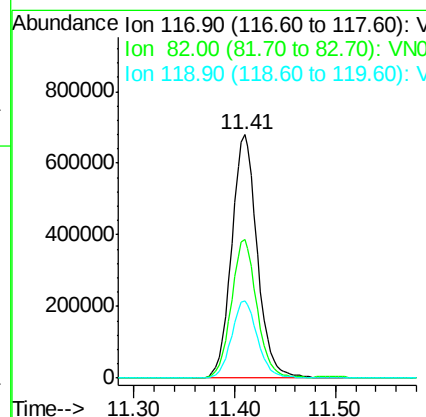
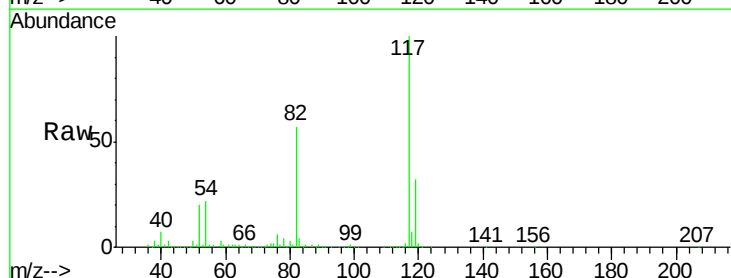
Instrument :
MSVOA_N
ClientSampled :

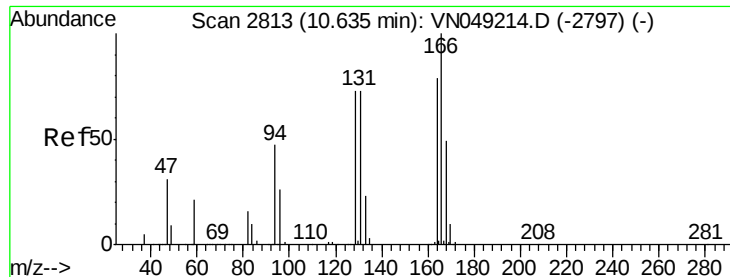
Tot Ion: 95 Resp: 569125
Ion Ratio Lower Upper
95 100
174 81.9 0.0 165.6
176 78.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion: 117 Resp: 1203739
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.8 25.5 38.3





#64

Tetrachloroethene

Concen: 0.56 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 6720

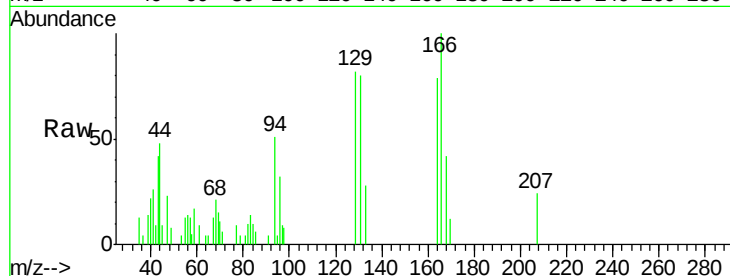
Ion Ratio Lower Upper

164 100

166 126.2 101.4 152.2

129 103.5 74.1 111.1

131 101.3 73.7 110.5

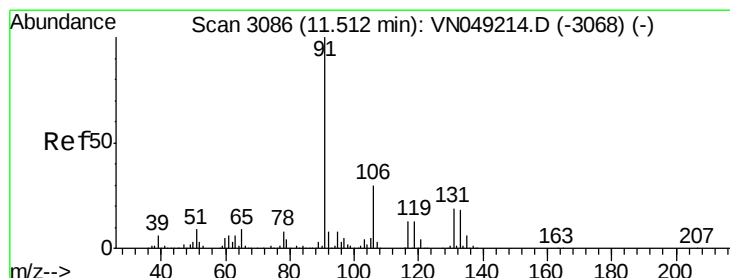
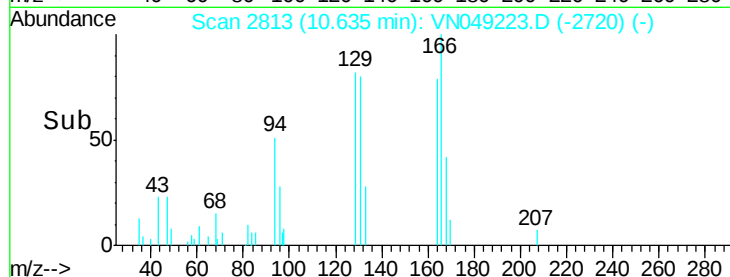
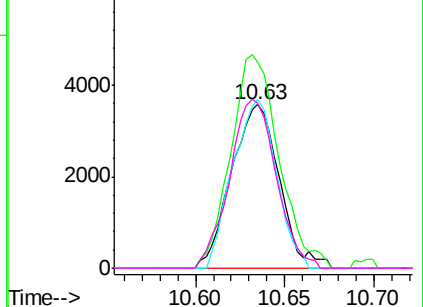


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 49.51 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049223.D

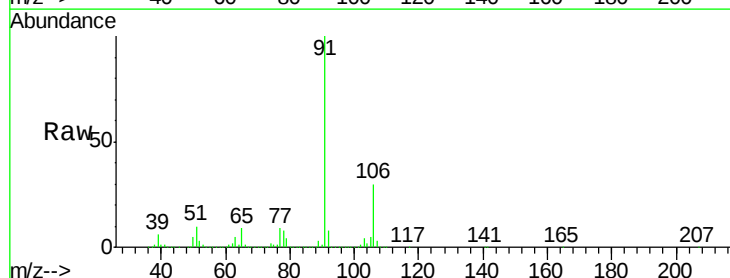
Acq: 14 Jun 2018 13:15

Tgt Ion: 91 Resp: 2652573

Ion Ratio Lower Upper

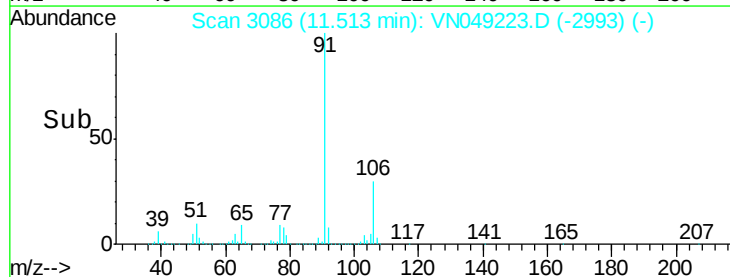
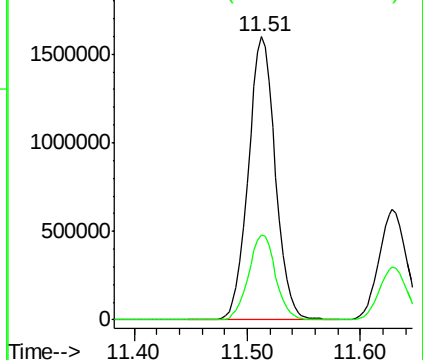
91 100

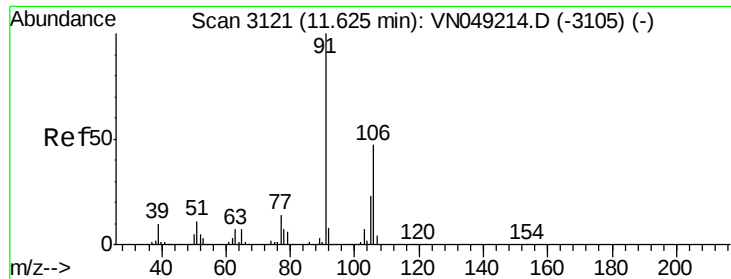
106 30.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

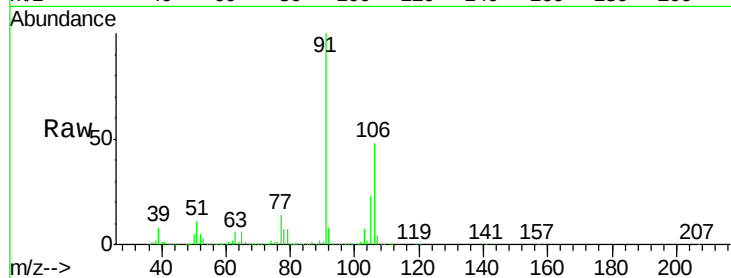




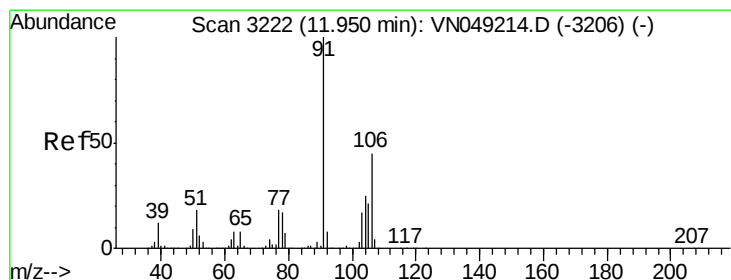
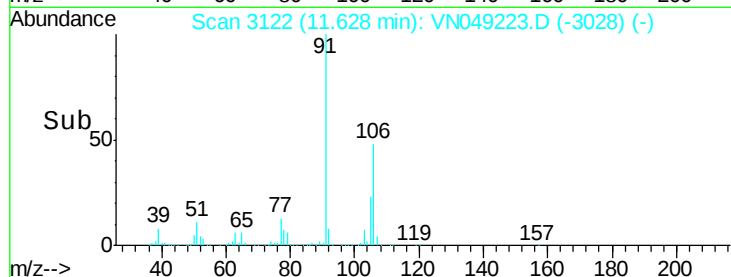
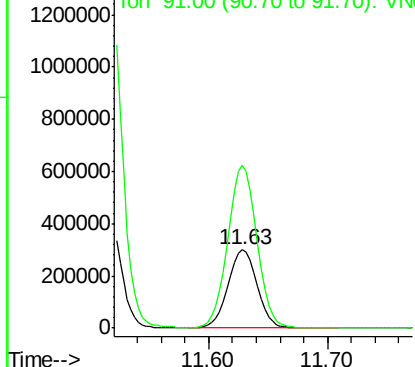
#68
m/p-Xylenes
Concen: 25.95 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 508373
Ion Ratio Lower Upper
106 100
91 207.9 167.3 250.9

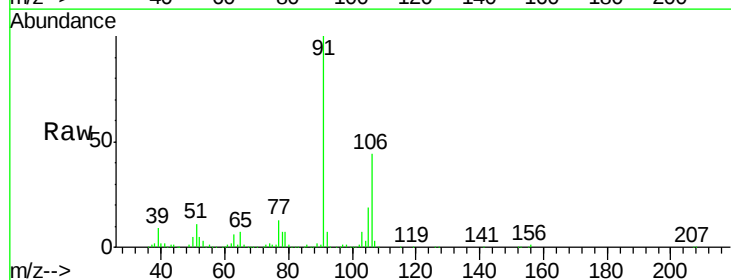


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

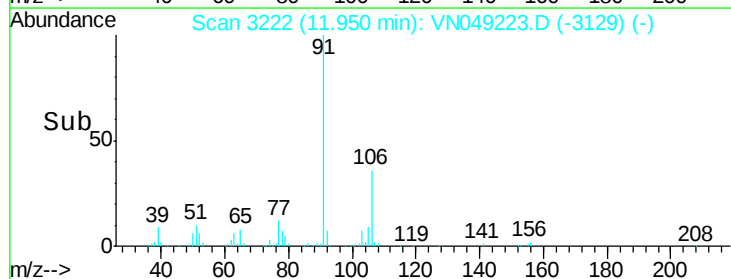
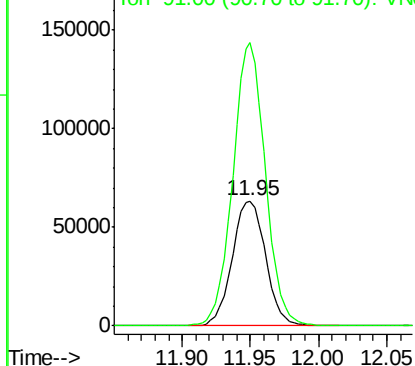


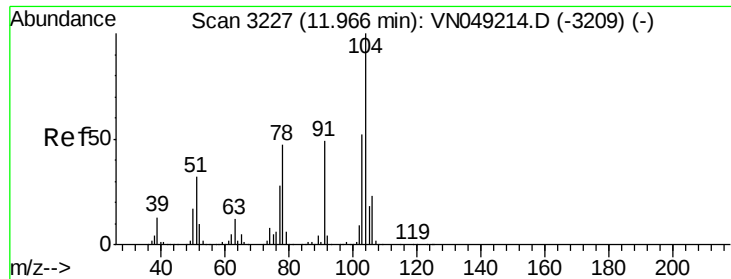
#69
o-Xylene
Concen: 5.71 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion:106 Resp: 107761
Ion Ratio Lower Upper
106 100
91 218.8 111.0 333.0



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

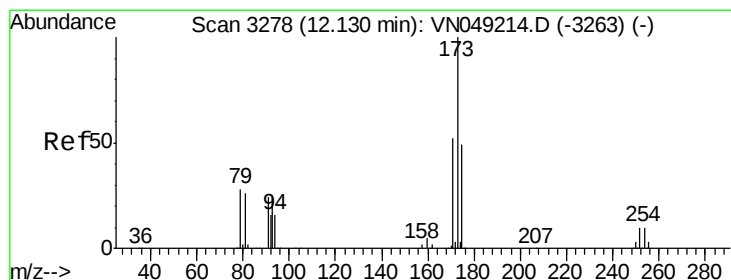
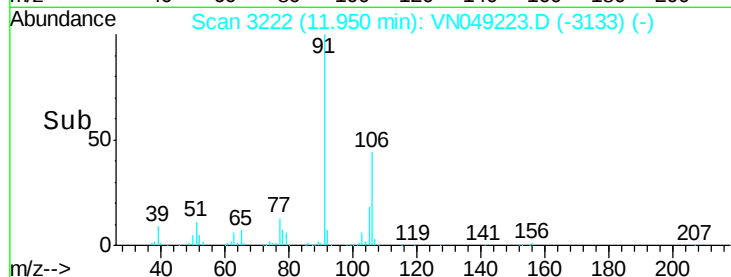
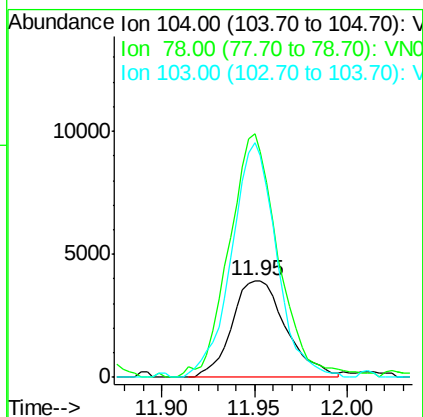
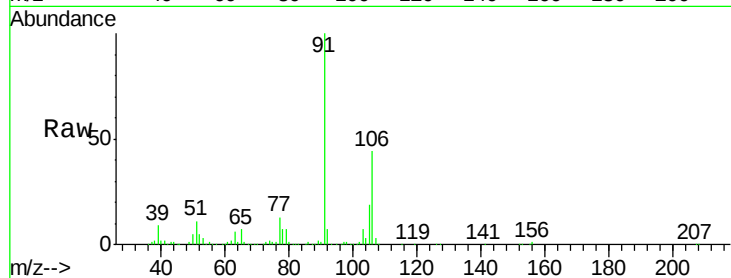




#70
Stvrene
Concen: 0.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

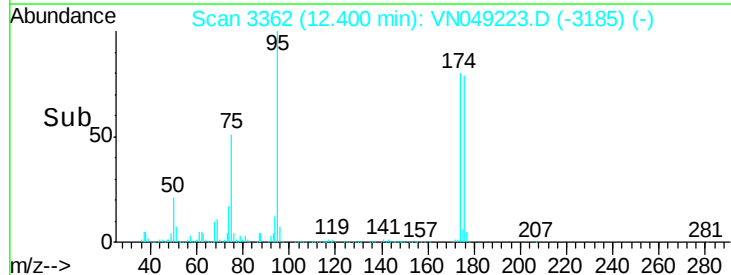
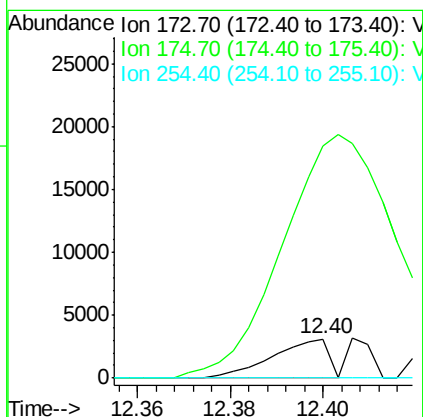
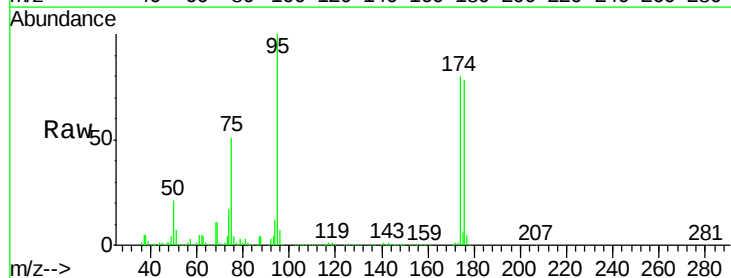
Instrument :
MSVOA_N
ClientSampled :

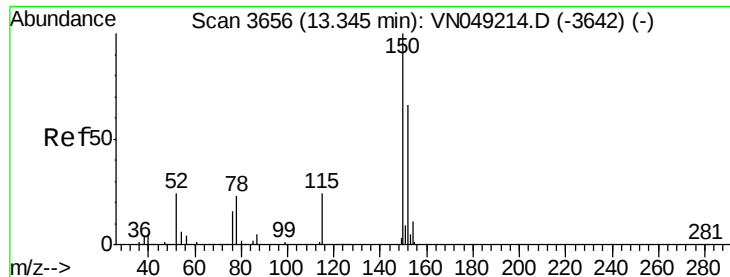
Tot Ion:104 Resp: 7981
Ion Ratio Lower Upper
104 100
78 229.1 41.6 62.4#
103 202.1 45.4 68.2#



#71
Bromoform
Concen: 0.35 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049223.D
Acq: 14 Jun 2018 13:15

Tgt Ion:173 Resp: 2557
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

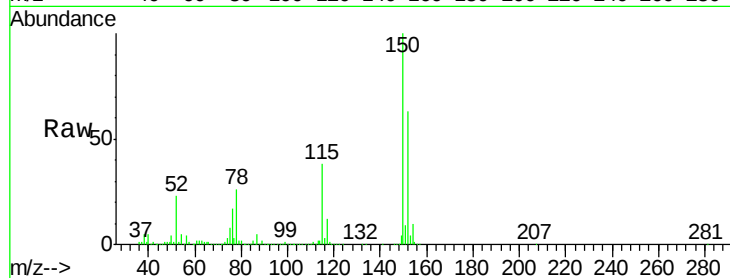
Tot Ion:152 Resp: 499547

Ion Ratio Lower Upper

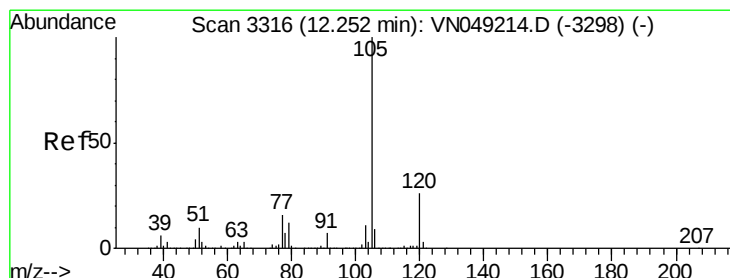
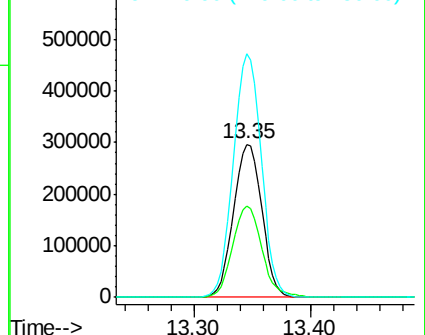
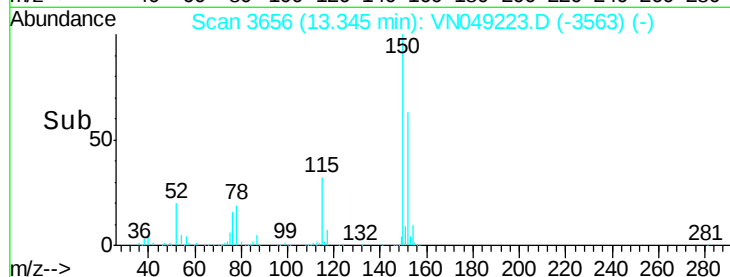
152 100

115 61.3 28.7 86.1

150 157.3 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: 9.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049223.D

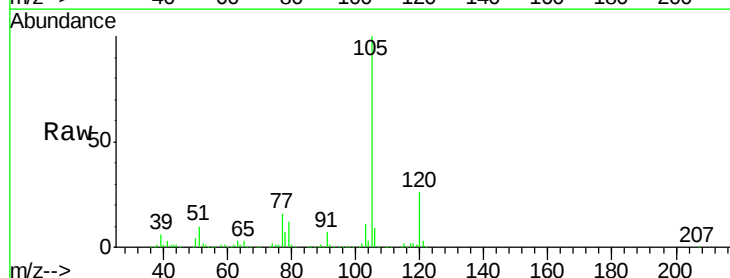
Acq: 14 Jun 2018 13:15

Tgt Ion:105 Resp: 451210

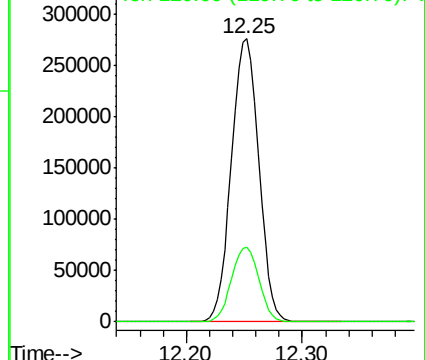
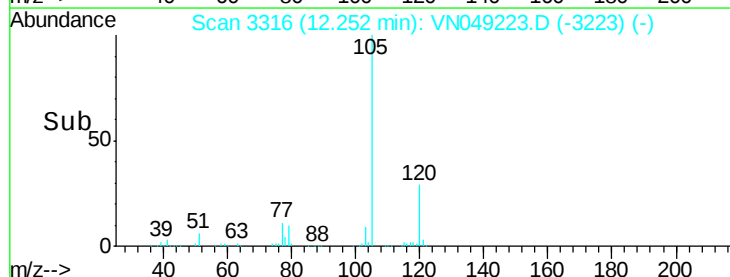
Ion Ratio Lower Upper

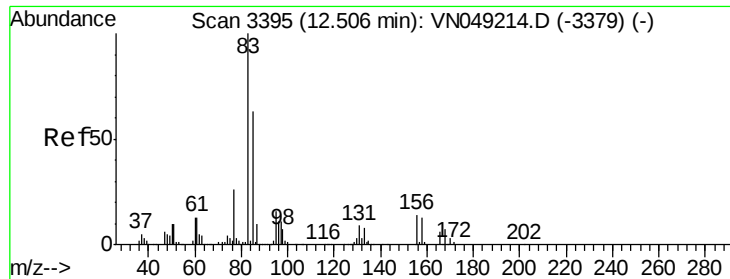
105 100

120 26.4 12.8 38.3



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

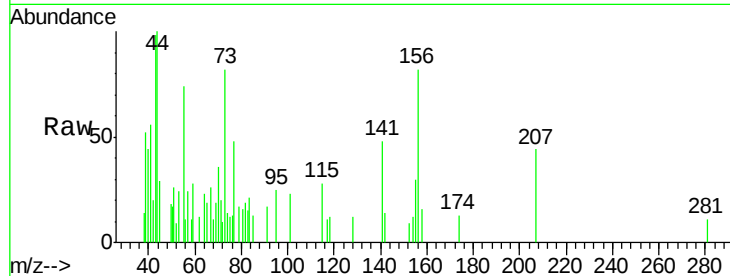
Tot Ion: 83 Resp: 649

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

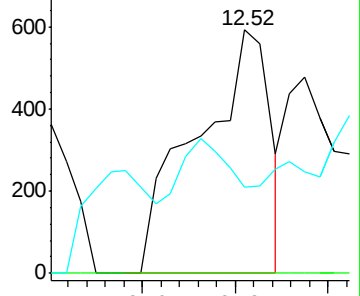
85 46.8 32.0 96.0



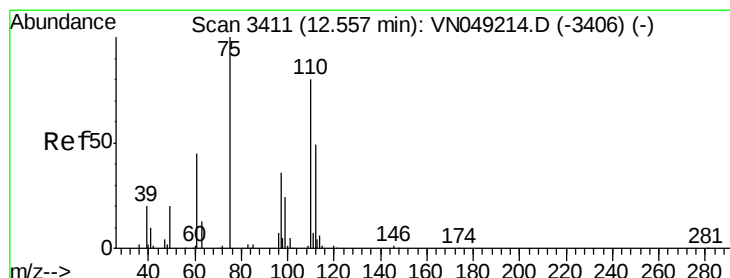
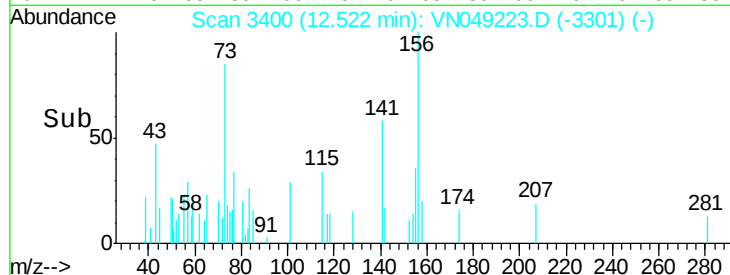
Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



Time-->



#76

1,2,3-Trichloropropane

Concen: 34.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049223.D

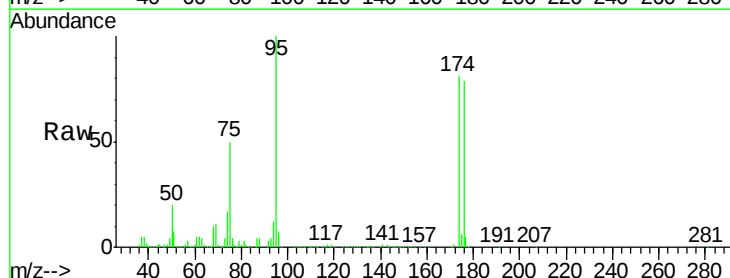
Acq: 14 Jun 2018 13:15

Tgt Ion: 75 Resp: 288236

Ion Ratio Lower Upper

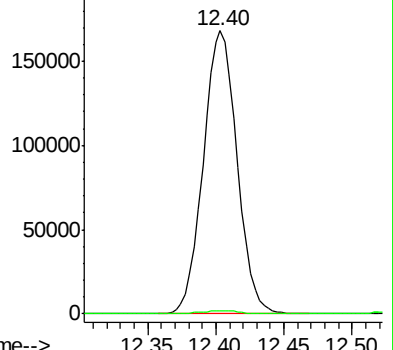
75 100

77 1.4 0.0 0.0#

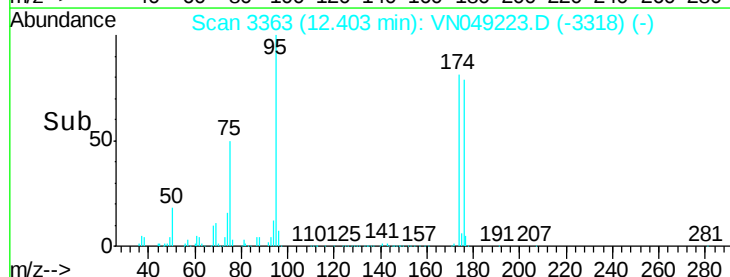


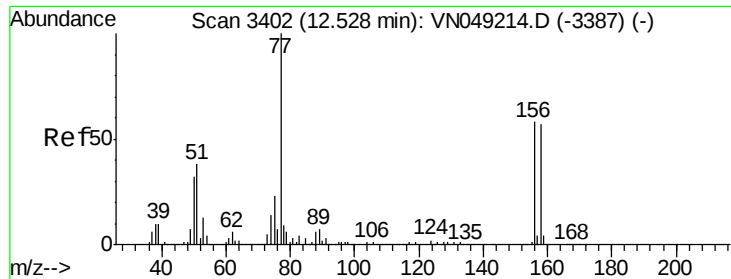
Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC



Time-->





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

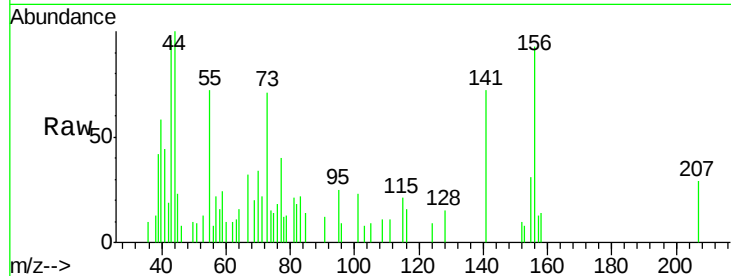
Tot Ion:156 Resp: 2871

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

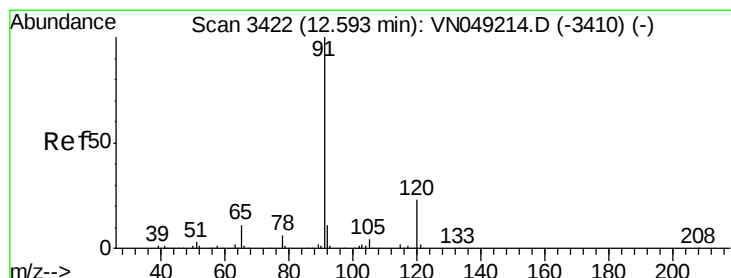
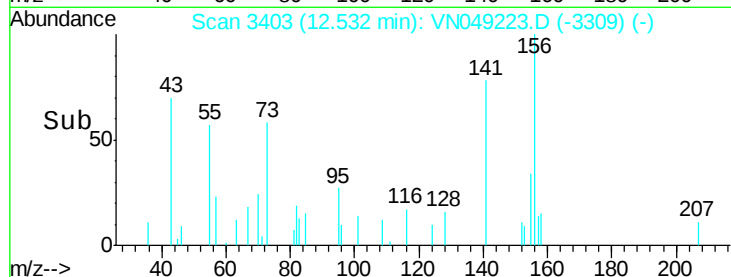
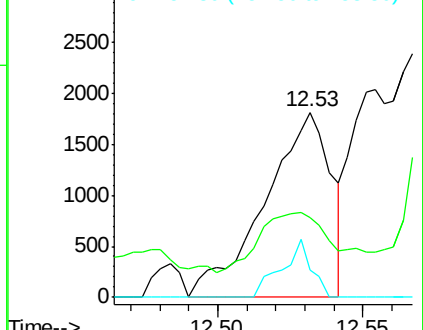
158 13.8 49.3 147.9#



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: 11.64 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049223.D

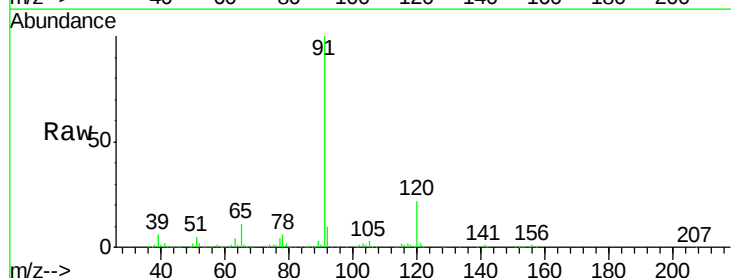
Acq: 14 Jun 2018 13:15

Tgt Ion: 91 Resp: 620635

Ion Ratio Lower Upper

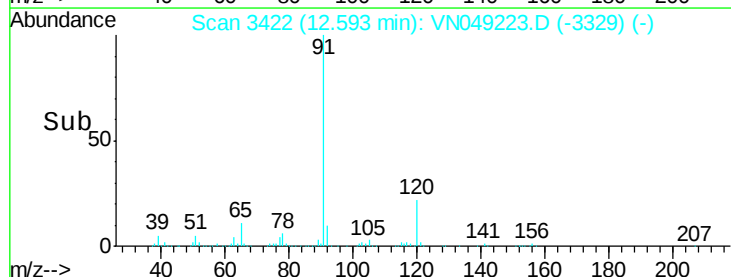
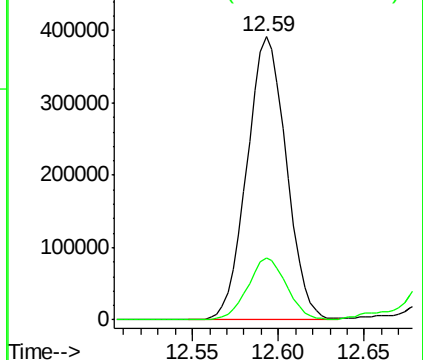
91 100

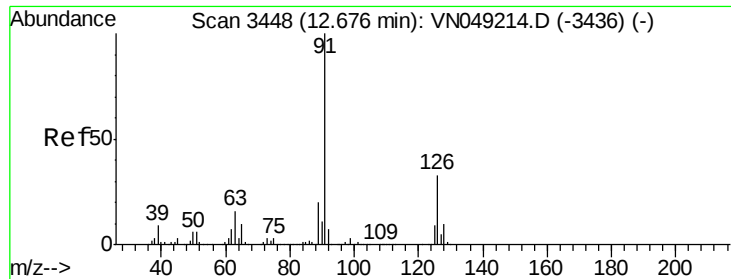
120 21.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.54 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

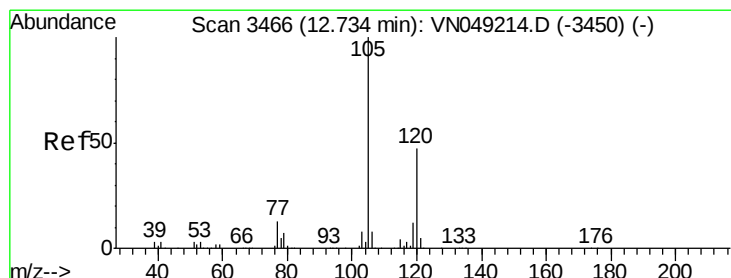
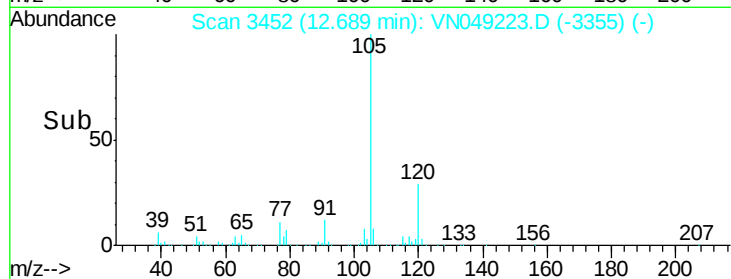
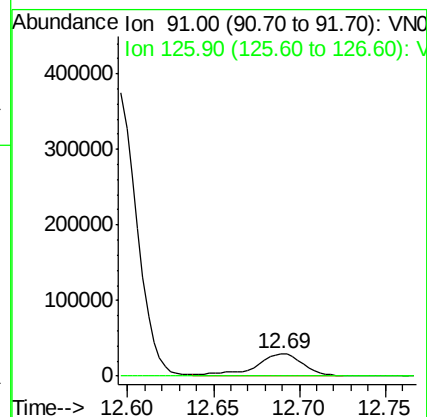
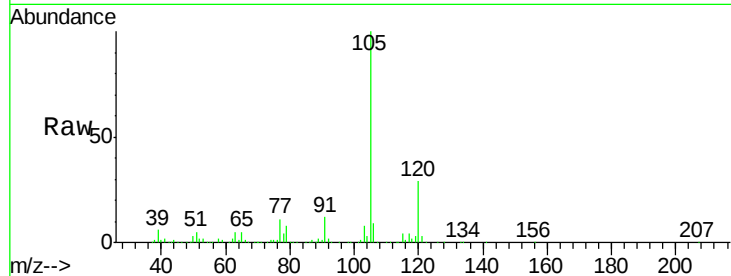
ClientSampleId :

Tot Ion: 91 Resp: 51829

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 12.19 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. -0.04 min

Lab File: VN049223.D

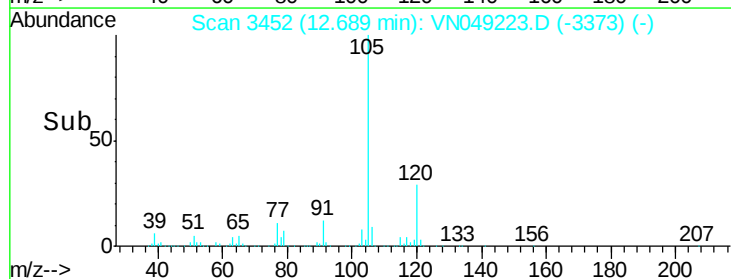
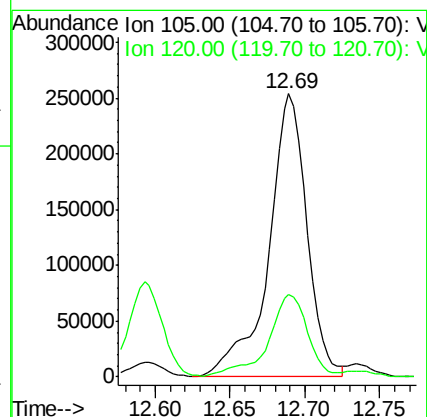
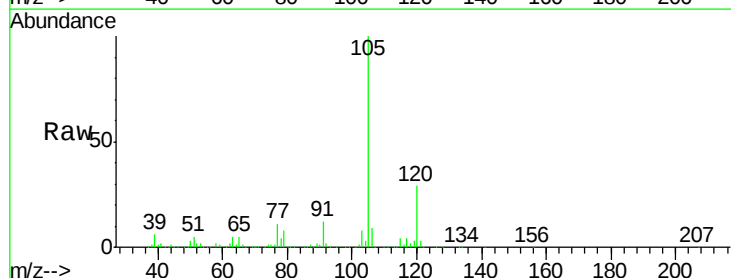
Acq: 14 Jun 2018 13:15

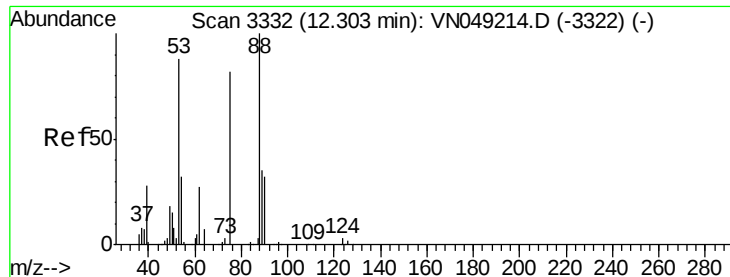
Tgt Ion: 105 Resp: 448567

Ion Ratio Lower Upper

105 100

120 30.3 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 96.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

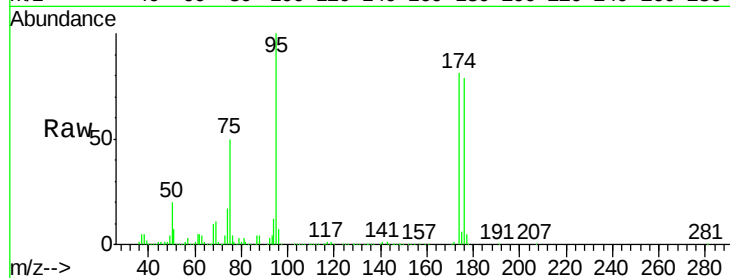
Tot Ion: 75 Resp: 288236

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

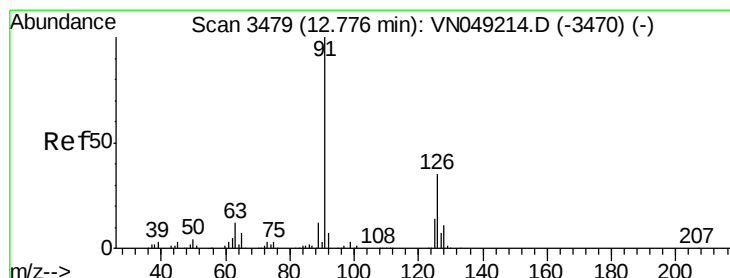
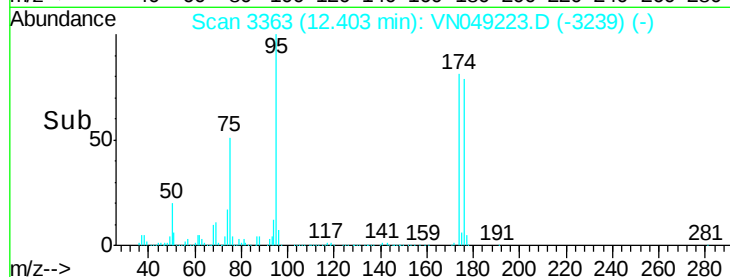
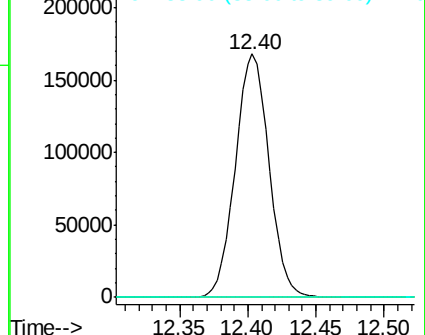
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.63 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. -0.09 min

Lab File: VN049223.D

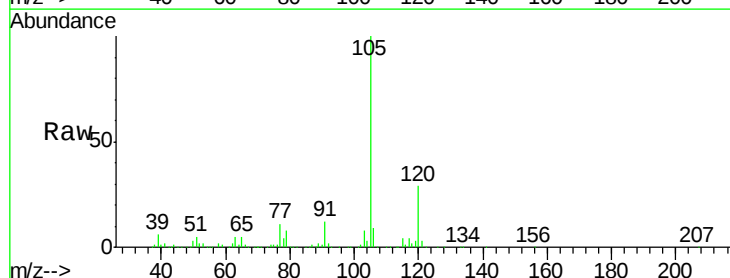
Acq: 14 Jun 2018 13:15

Tgt Ion: 91 Resp: 51829

Ion Ratio Lower Upper

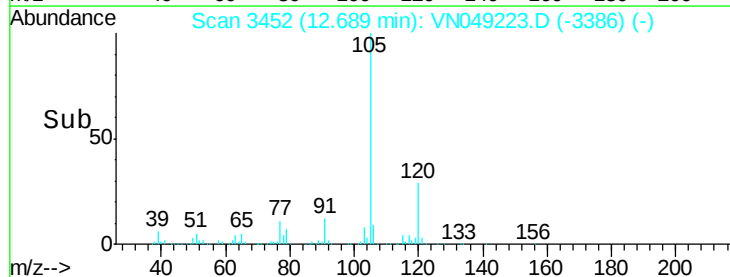
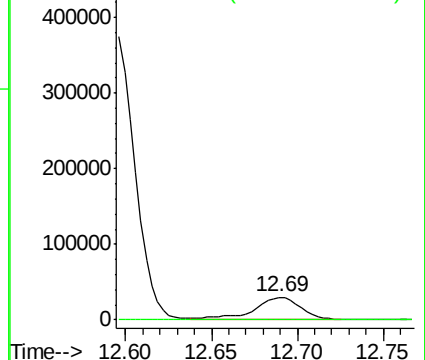
91 100

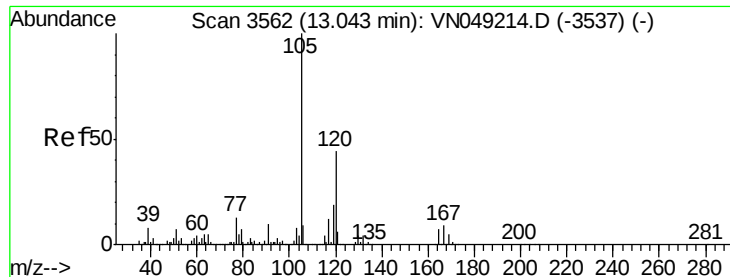
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 30.40 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

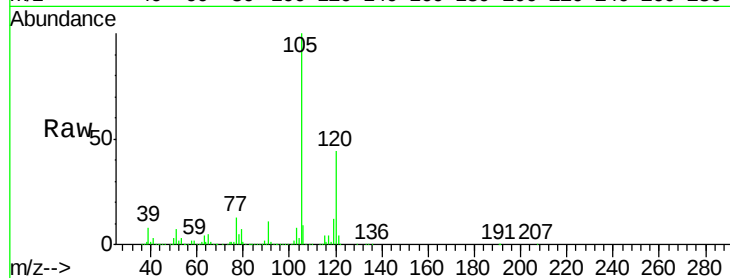
ClientSampleId :

Tot Ion:105 Resp: 1111505

Ion Ratio Lower Upper

105 100

120 44.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

800000

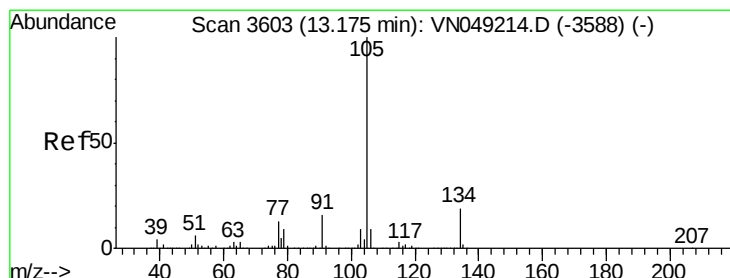
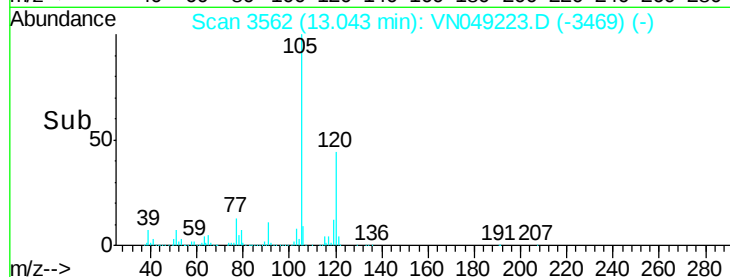
600000

400000

200000

0

Time--> 12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 1.49 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049223.D

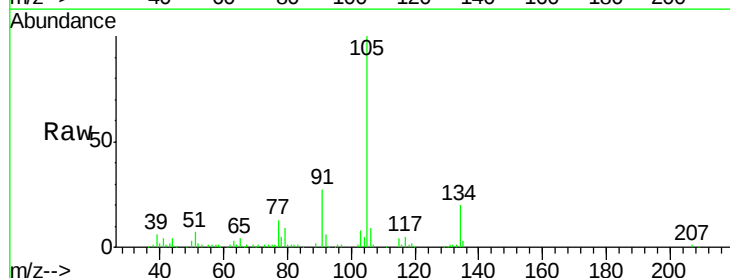
Acq: 14 Jun 2018 13:15

Tgt Ion:105 Resp: 62990

Ion Ratio Lower Upper

105 100

134 35.8 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

40000

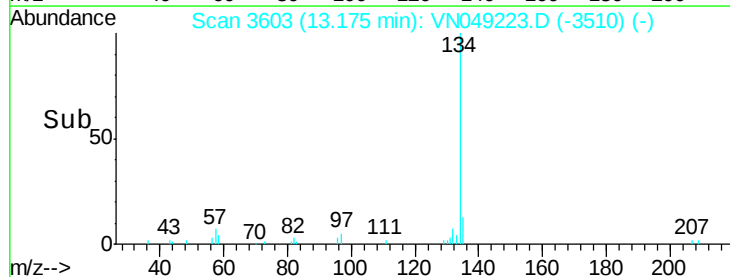
30000

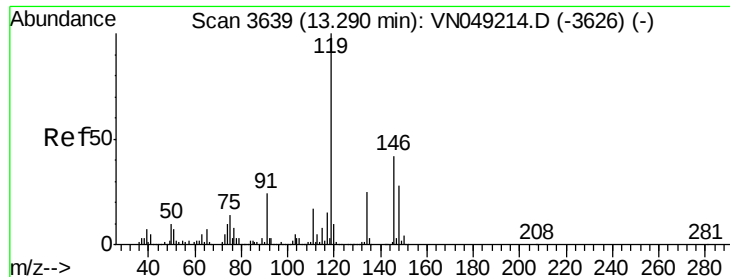
20000

10000

0

Time--> 13.10 13.15 13.20

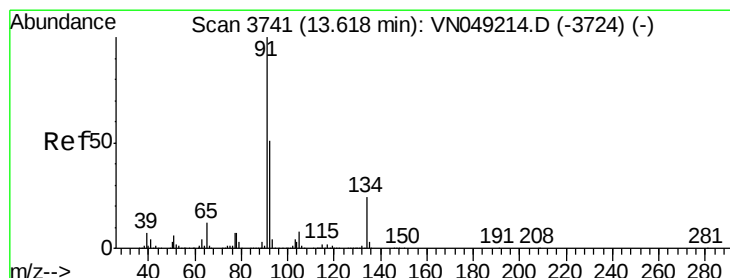
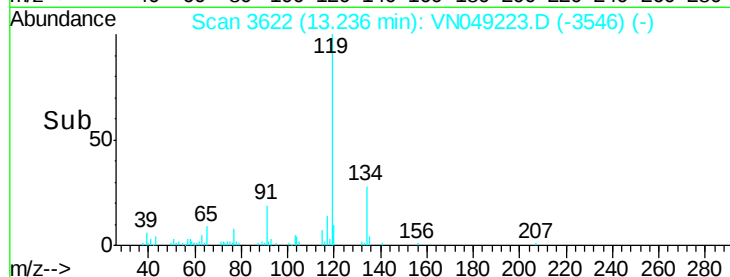
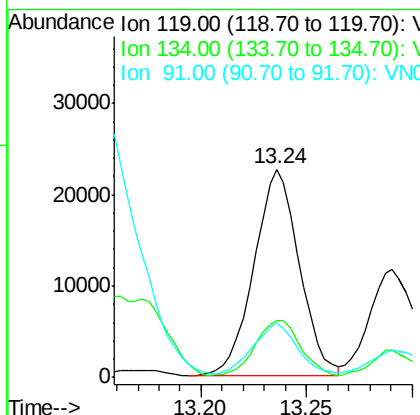
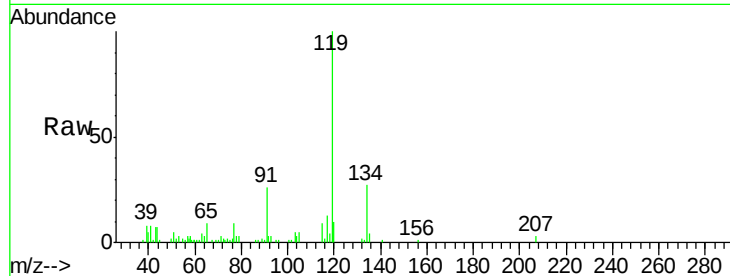




#86
 p-Isopropyltoluene
 Concen: 0.99 ug/l
 RT: 13.24 min Scan# 3622
 Delta R.T. -0.05 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

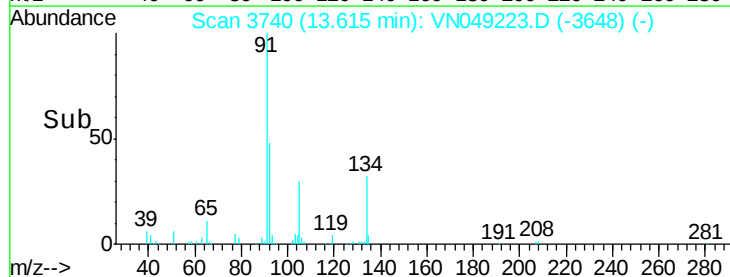
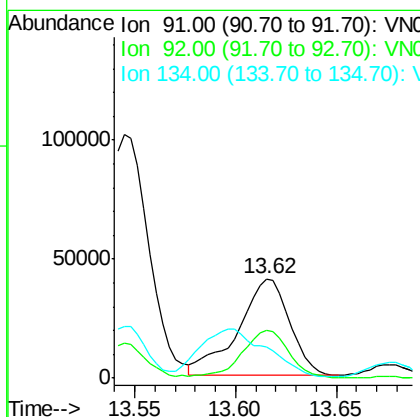
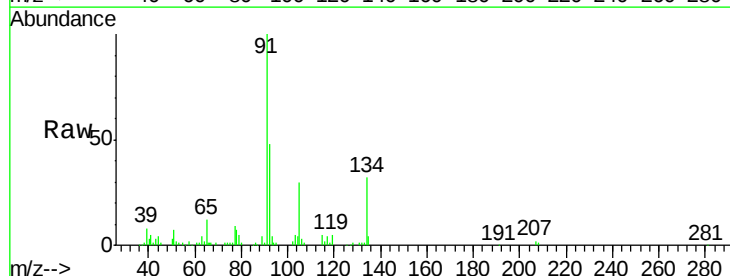
Instrument :
 MSVOA_N
 ClientSampled :

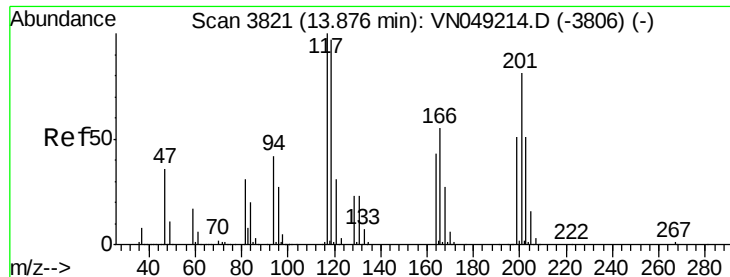
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.5	12.9	38.6
91	23.2	12.1	36.3



#89
 n-Butylbenzene
 Concen: 3.91 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.4	25.1	75.4
134	64.4	12.0	36.0#





#90

Hexachloroethane

Concen: 3.30 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

Instrument :

MSVOA_N

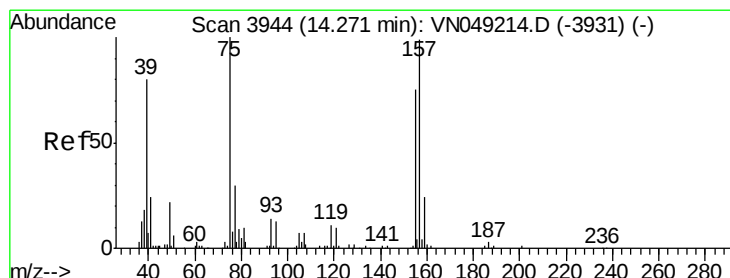
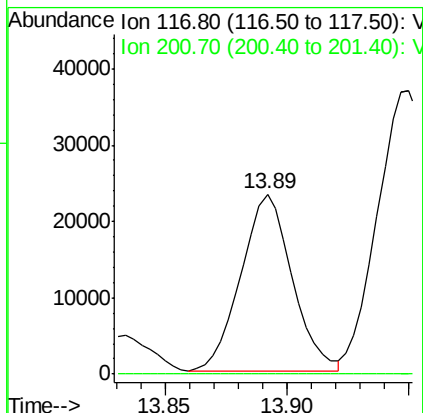
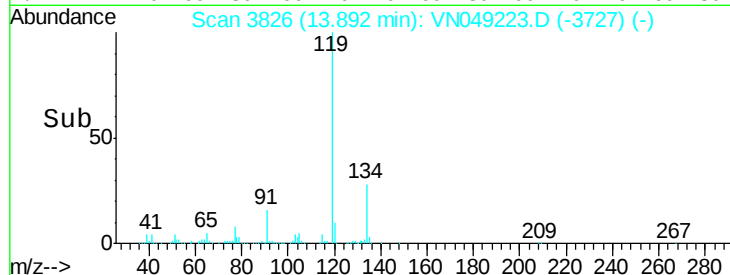
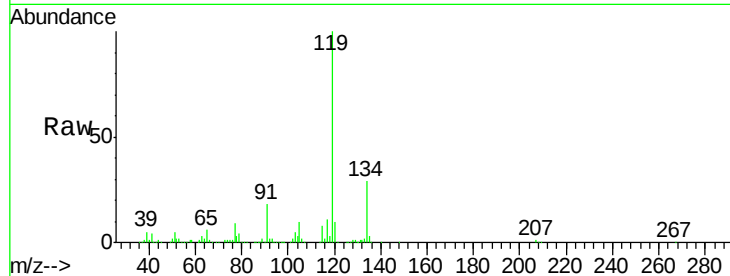
ClientSampleId :

Tot Ion:117 Resp: 33978

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.03 ug/l

RT: 14.25 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VN049223.D

Acq: 14 Jun 2018 13:15

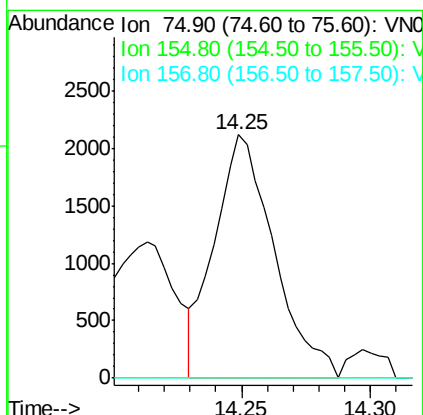
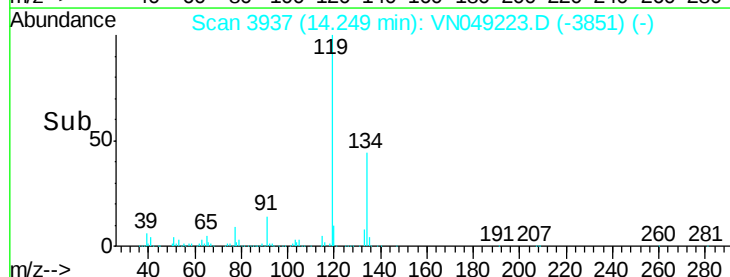
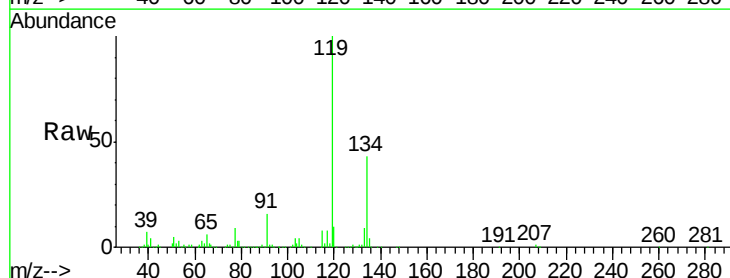
Tgt Ion: 75 Resp: 3390

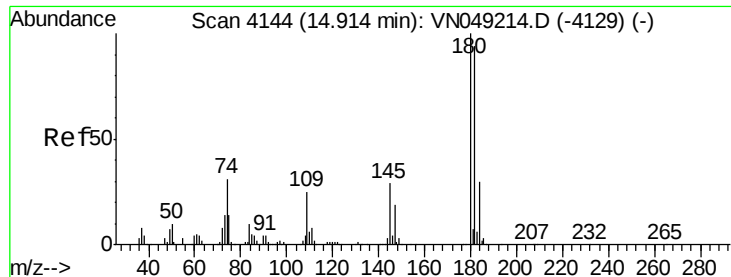
Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#

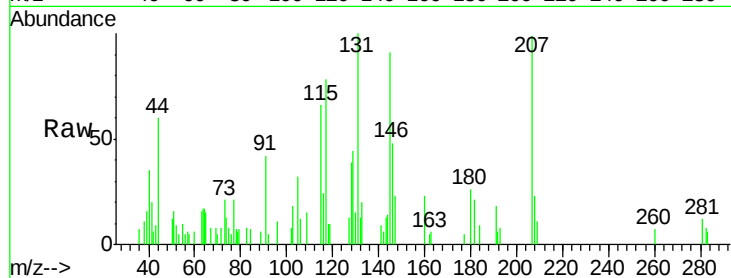




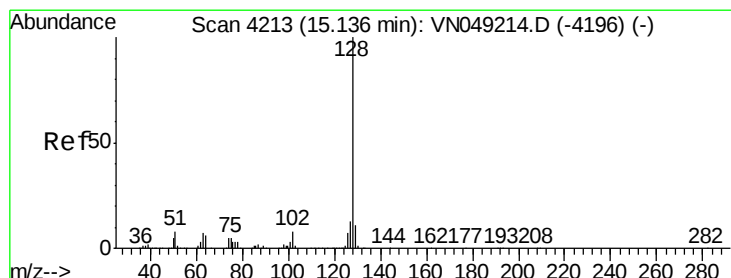
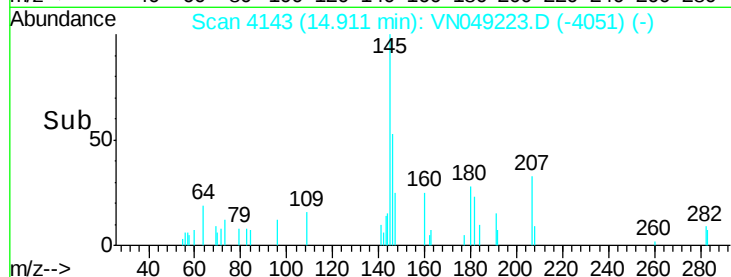
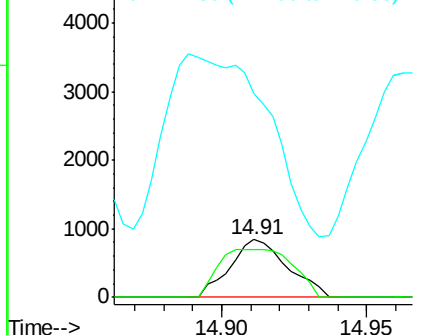
#93
 1,2,4-Trichlorobenzene
 Concen: 4.52 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1157
 Ion Ratio Lower Upper
 180 100
 182 106.6 46.9 140.8
 145 0.0 14.7 44.1#

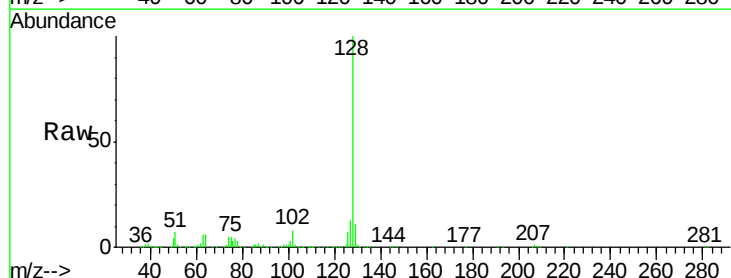


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

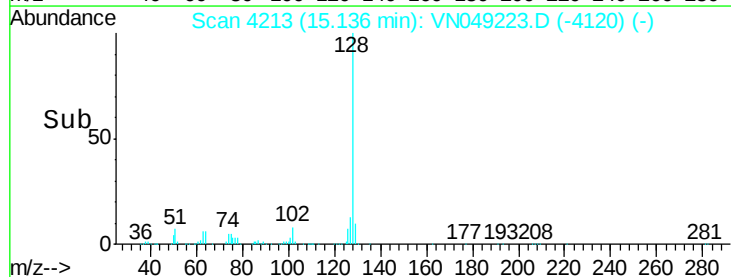
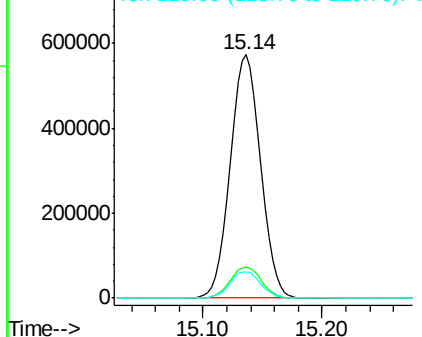


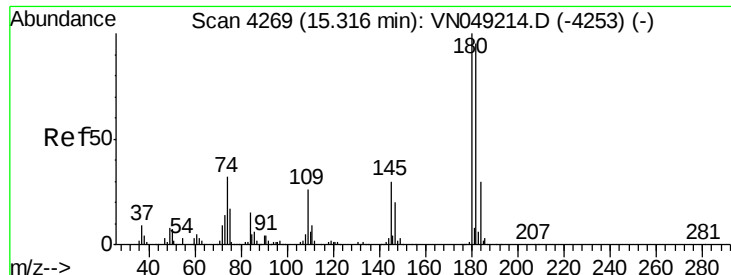
#95
 Naphthalene
 Concen: 57.31 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Tgt Ion:128 Resp: 1009559
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 16.0
 129 10.9 8.5 12.7



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

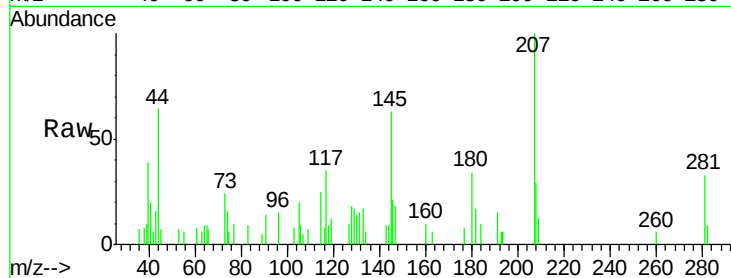




#96
 1,2,3-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049223.D
 Acq: 14 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	35.5	47.3	141.8#
145	0.0	15.6	46.7#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

