

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049325.D
 Acq On : 16 Jun 2018 22:03
 Operator : MD\SY
 Sample : J3562-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:23:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1818857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2778754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2374397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1020221	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	1117467	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
35) Dibromofluoromethane	7.59	113	1012678	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
50) Toluene-d8	10.09	98	3931336	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.40	95	1206297	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	3438	0.23	ug/l	85
13) Acrolein	3.80	56	28353	19.10	ug/l	84
14) Allyl chloride	4.40	41	20977	0.64	ug/l #	45
15) Acrylonitrile	5.06	53	70508	9.96	ug/l #	40
16) Acetone	3.80	43	58550	10.00	ug/l #	61
18) Methyl Acetate	4.33	43	29421	1.65	ug/l	93
20) Methylene Chloride	4.53	84	10127	0.41	ug/l #	1
23) Vinyl Acetate	5.91	43	24033	0.56	ug/l #	75
25) 2-Butanone	6.83	43	28985	3.69	ug/l #	73
26) 2,2-Dichloropropane	6.62	77	28690	0.84	ug/l #	54
29) Tetrahydrofuran	7.20	42	4454	0.88	ug/l #	38
30) Chloroform	7.33	83	594841	14.20	ug/l #	19
31) Cyclohexane	7.65	56	2457568	68.95	ug/l	95
36) 1,1-Dichloropropene	7.66	75	127899	4.02	ug/l #	71
37) Ethyl Acetate	6.83	43	28985	1.67	ug/l #	71
38) Carbon Tetrachloride	7.67	117	166580	5.05	ug/l #	16
39) Methylcyclohexane	9.08	83	1941848	56.80	ug/l	96
41) Methacrylonitrile	7.21	41	68541	7.32	ug/l #	100
43) Isopropyl Acetate	8.15	43	71281	2.15	ug/l #	64
44) Trichloroethene	8.84	130	6301	0.24	ug/l	67
45) 1,2-Dichloropropane	9.08	63	20277	0.79	ug/l #	1
47) Bromodichloromethane	9.39	83	68888	2.11	ug/l #	26
48) Methyl methacrylate	9.27	41	99910	6.41	ug/l #	46
49) 1,4-Dioxane	9.20	88	350	1.63	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	9892	0.57	ug/l	99
52) Toluene	10.16	92	33143	0.58	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	211793	9.91	ug/l #	17
56) Ethyl methacrylate	10.43	69	61940	2.51	ug/l #	32
58) 2-Chloroethyl Vinyl ether	9.76	63	866	14.42	ug/l #	51
59) 2-Hexanone	10.76	43	15313	1.37	ug/l #	56
60) Dibromochloromethane	10.63	129	27877	1.17	ug/l #	10
64) Tetrachloroethene	10.63	164	31771	1.31	ug/l	99
67) Ethyl Benzene	11.51	91	586701	5.78	ug/l	99
68) m/p-Xylenes	11.62	106	425913	11.19	ug/l	95

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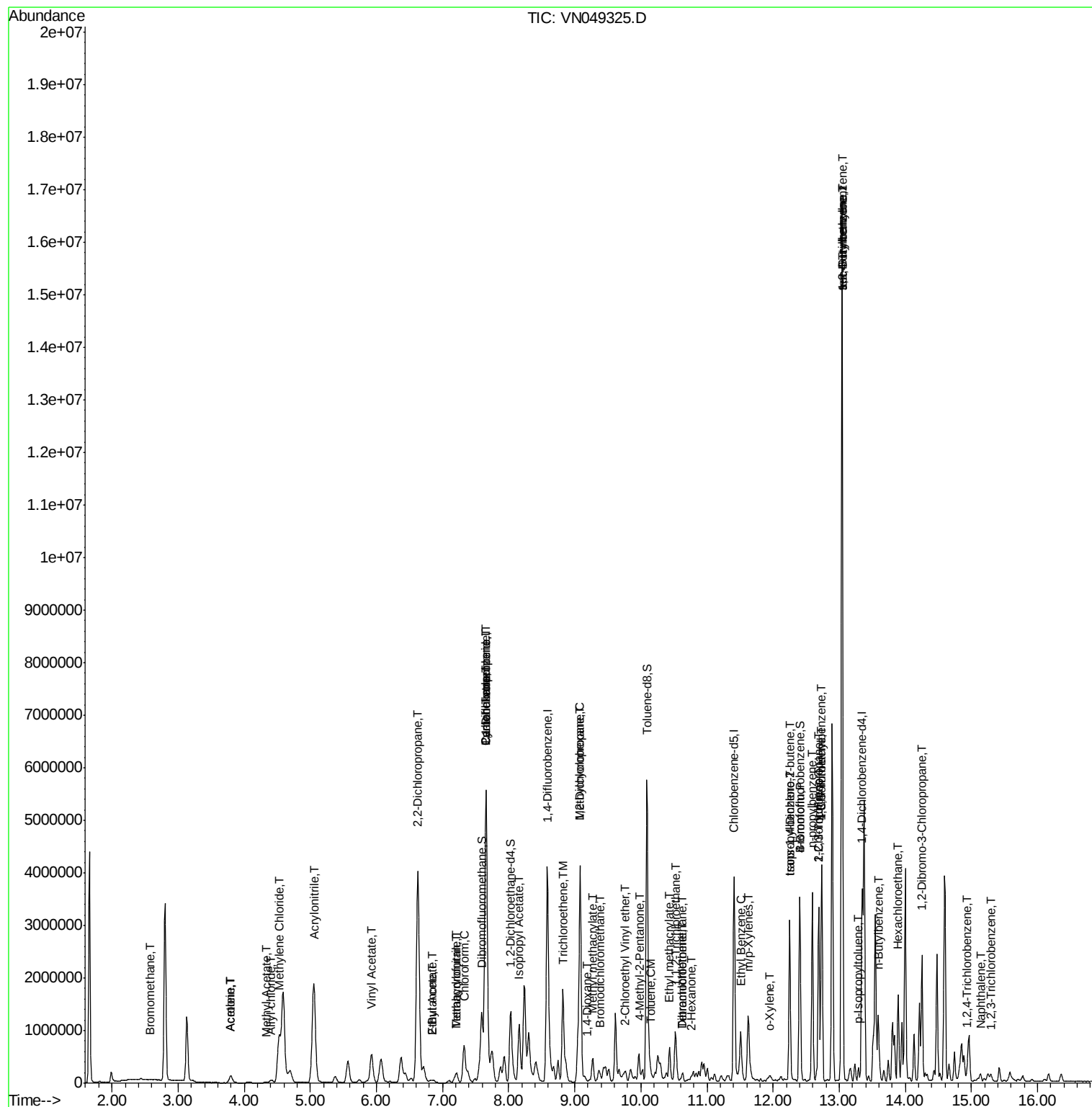
69) o-Xylene	11.95	106	27260	0.74	ug/l	89
71) Bromoform	12.40	173	7561	0.51	ug/l #	1
73) Isopropylbenzene	12.25	105	2066635	23.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.52	83	1471	Below	Cal #	58
76) 1,2,3-Trichloropropane	12.69	75	18620	1.07	ug/l #	100
78) n-propylbenzene	12.59	91	2862733	29.11	ug/l	99
79) 2-Chlorotoluene	12.69	91	251079	4.03	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	2333937	33.15	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	22839	4.15	ug/l #	68
82) 4-Chlorotoluene	12.73	91	239879	3.99	ug/l #	42
83) tert-Butylbenzene	13.04	119	1169148	18.74	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	9576630	136.92	ug/l	98
85) sec-Butylbenzene	13.04	105	9576630	115.35	ug/l #	57
86) p-Isopropyltoluene	13.29	119	129074	1.86	ug/l	99
89) n-Butylbenzene	13.59	91	52071	0.96	ug/l #	1
90) Hexachloroethane	13.89	117	83881	4.86	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9351	3.00	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.92	180	391	4.76	ug/l #	30
95) Naphthalene	15.14	128	124275	6.42	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	275	3.47	ug/l #	1

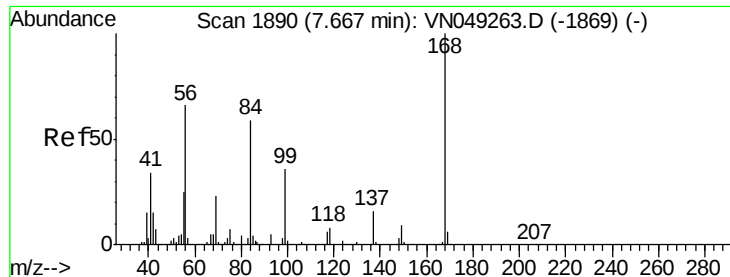
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

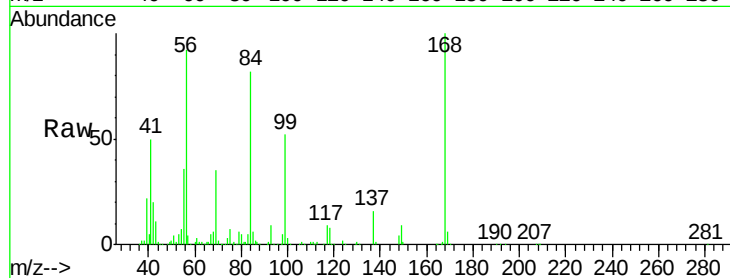
ClientSampled :

Tot Ion:168 Resp: 1818857

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

800000

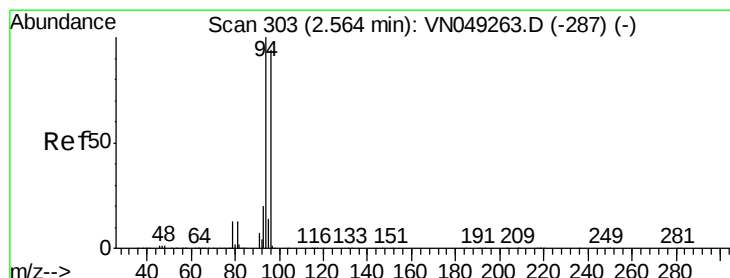
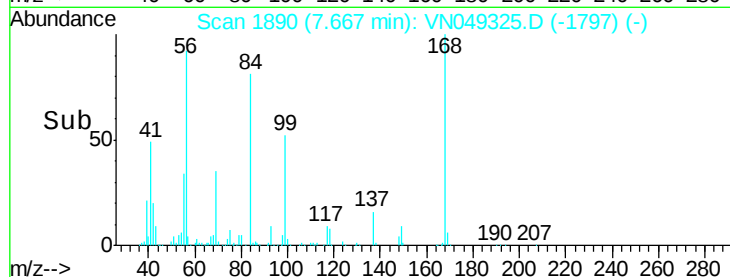
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.23 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049325.D

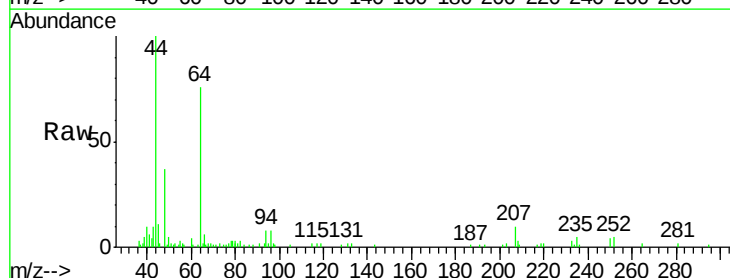
Acq: 16 Jun 2018 22:03

Tgt Ion: 94 Resp: 3438

Ion Ratio Lower Upper

94 100

96 76.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

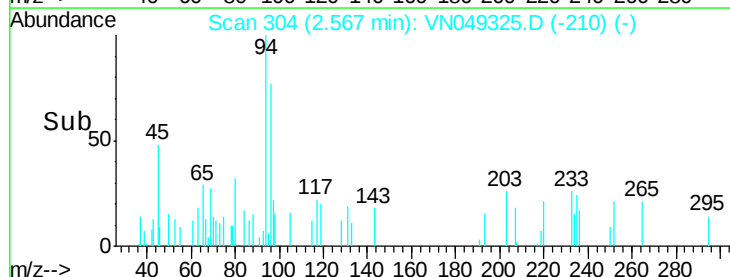
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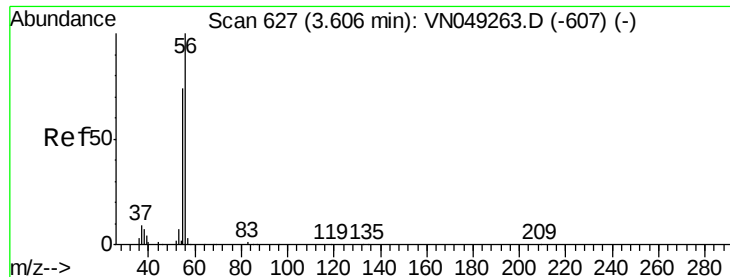
1000

500

0

Time-->





#13

Acrolein

Concen: 19.10 ug/l

RT: 3.80 min Scan# 686

Delta R.T. 0.19 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

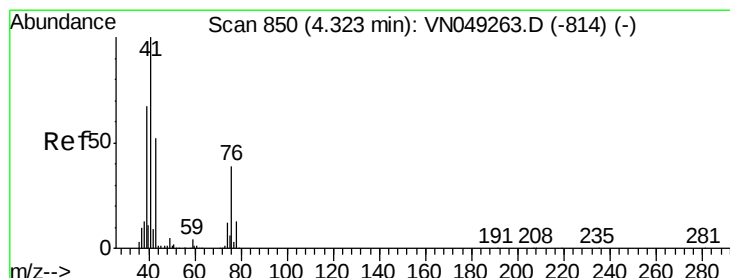
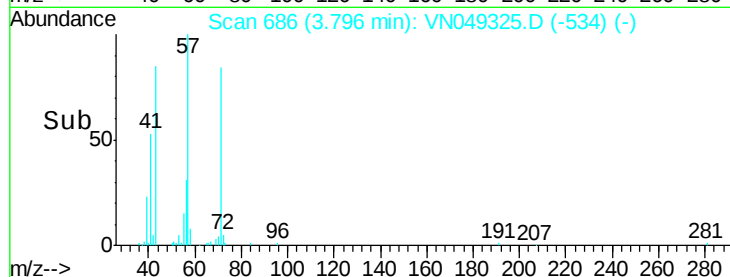
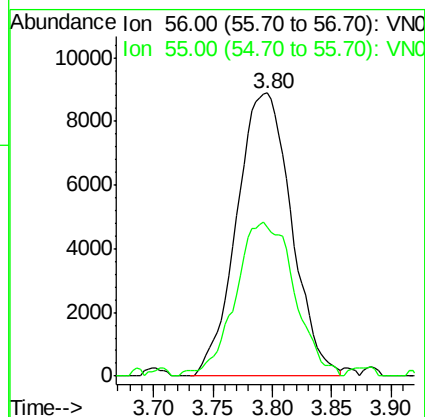
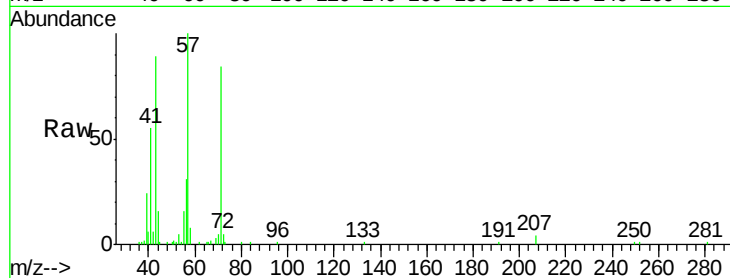
ClientSampleId :

Tot Ion: 56 Resp: 28353

Ion Ratio Lower Upper

56 100

55 58.3 57.1 85.7



#14

Allyl chloride

Concen: 0.64 ug/l

RT: 4.40 min Scan# 874

Delta R.T. 0.08 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

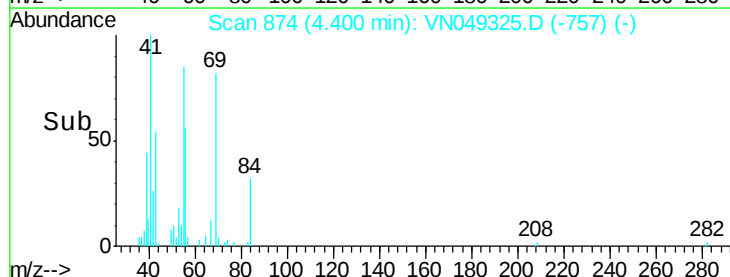
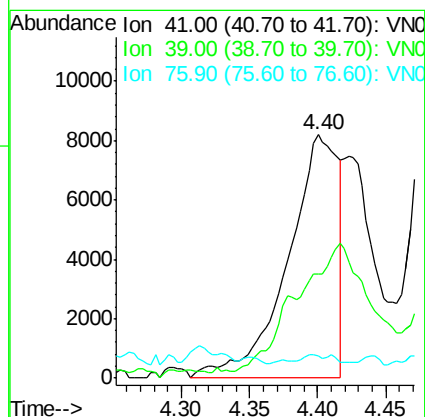
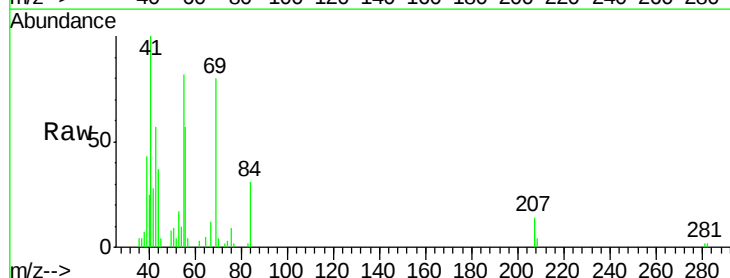
Tgt Ion: 41 Resp: 20977

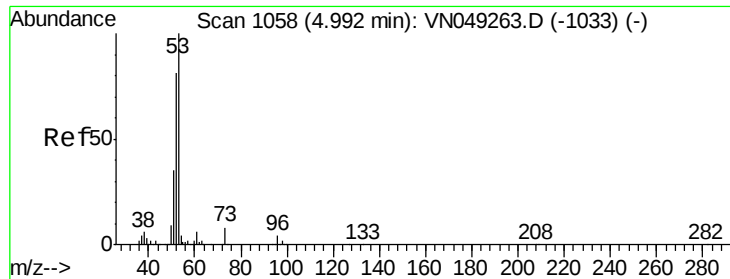
Ion Ratio Lower Upper

41 100

39 32.2 62.5 93.7#

76 0.0 27.1 40.7#

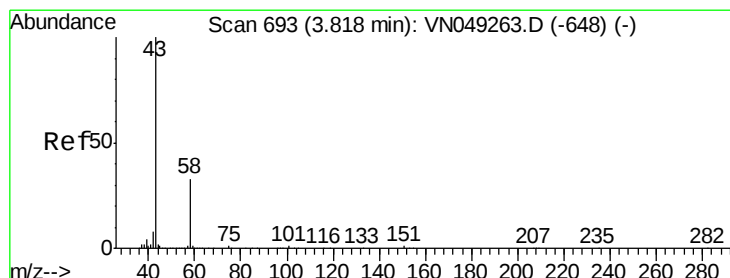
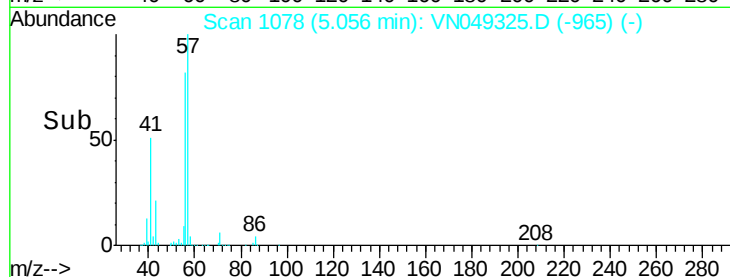
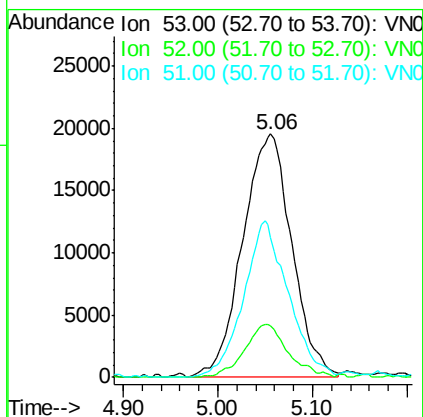
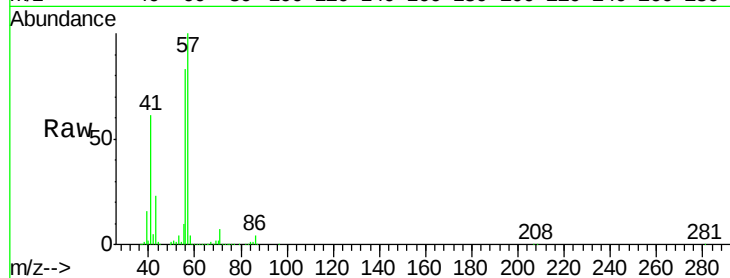




#15
 Acrylonitrile
 Concen: 9.96 ug/l
 RT: 5.06 min Scan# 1078
 Delta R.T. 0.06 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

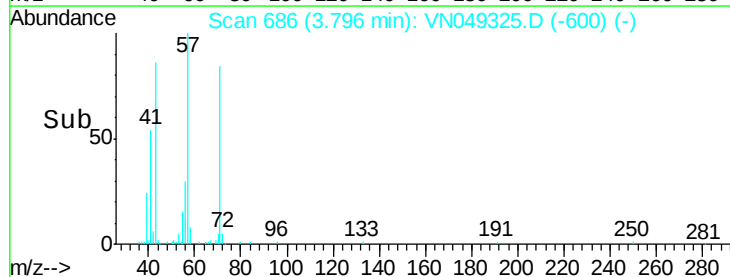
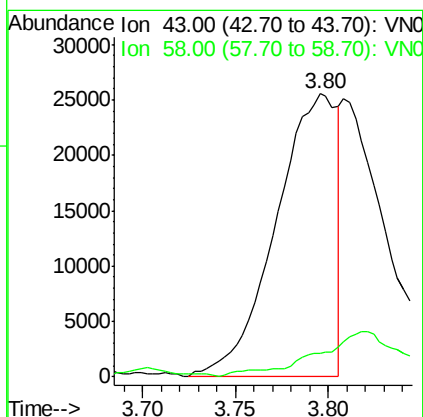
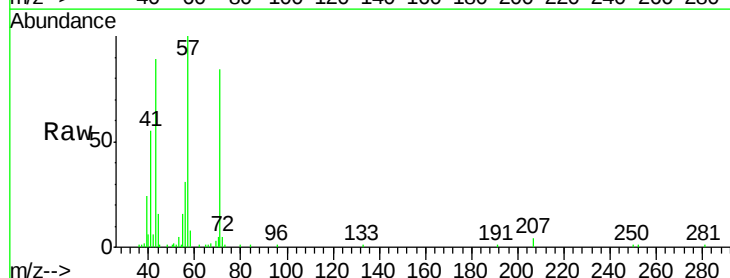
Instrument :
 MSVOA_N
 ClientSampled :

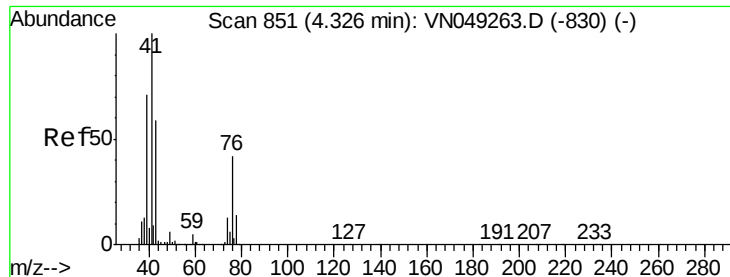
Tot Ion: 53 Resp: 70508
 Ion Ratio Lower Upper
 53 100
 52 19.1 66.6 100.0#
 51 58.6 29.8 44.8#



#16
 Acetone
 Concen: 10.00 ug/l
 RT: 3.80 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Tgt Ion: 43 Resp: 58550
 Ion Ratio Lower Upper
 43 100
 58 7.5 22.4 33.6#

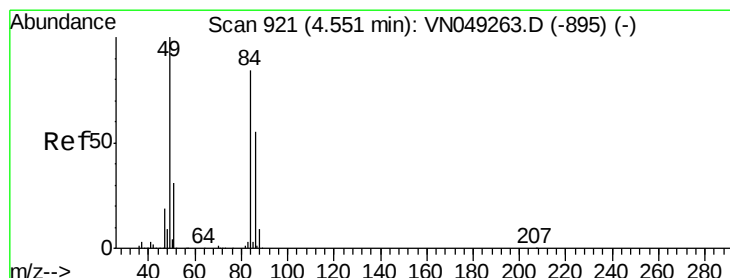
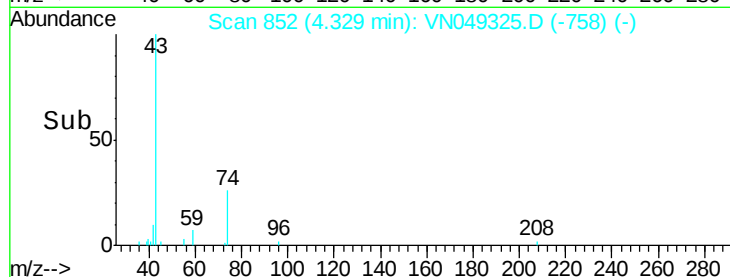
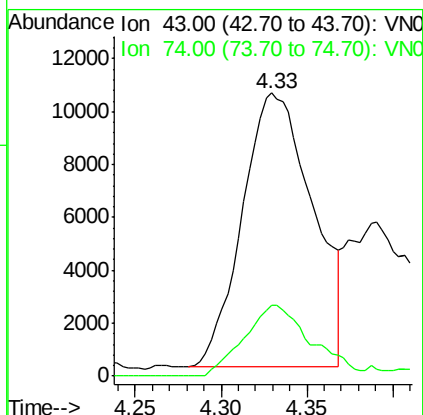
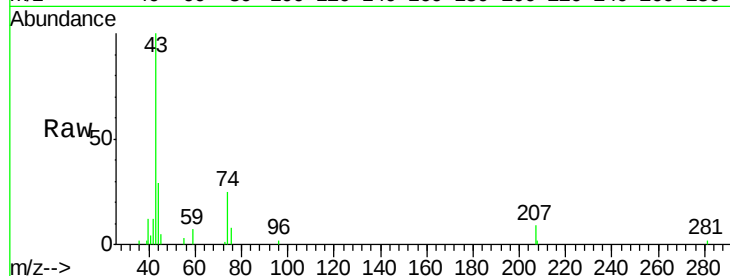




#18
Methvl Acetate
Concen: 1.65 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

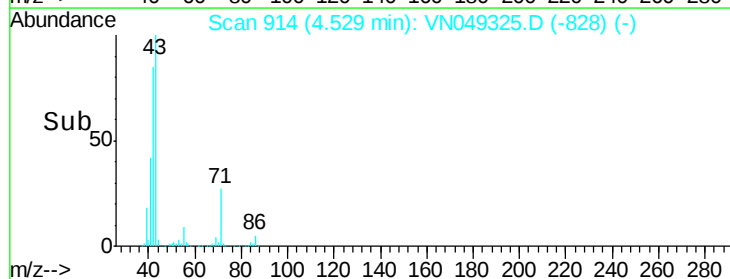
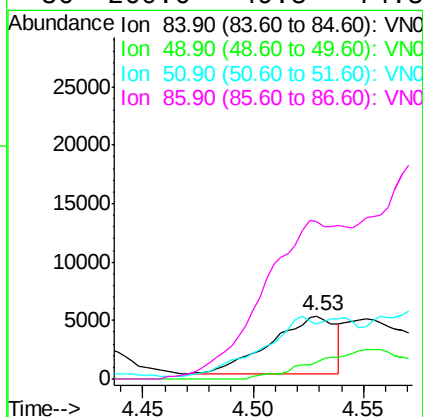
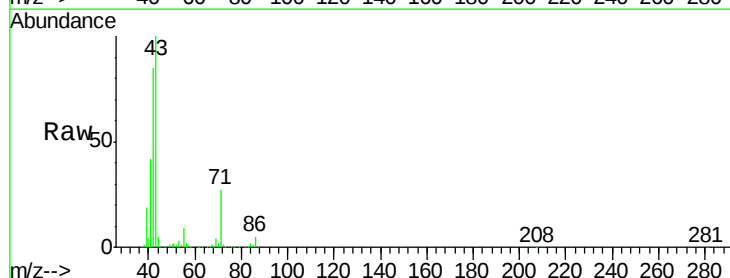
Instrument :
MSVOA_N
ClientSampleId :

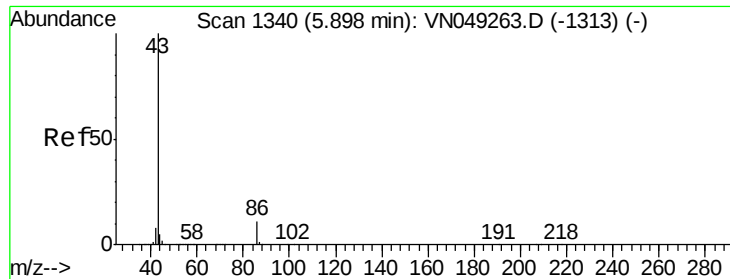
Tot Ion: 43 Resp: 29421
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 4.53 min Scan# 914
Delta R.T. -0.02 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion: 84 Resp: 10127
Ion Ratio Lower Upper
84 100
49 29.3 106.9 160.3#
51 88.0 32.7 49.1#
86 260.6 49.8 74.8#





#23

Vinyl Acetate

Concen: 0.56 ug/l

RT: 5.91 min Scan# 1345

Delta R.T. 0.02 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

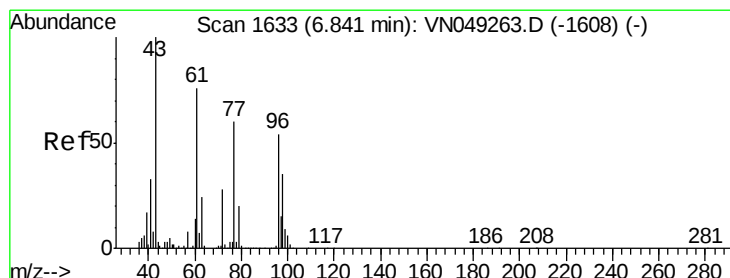
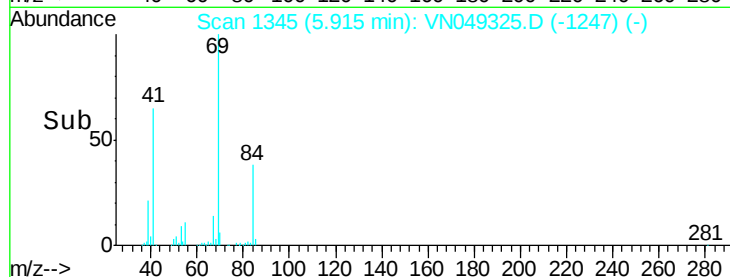
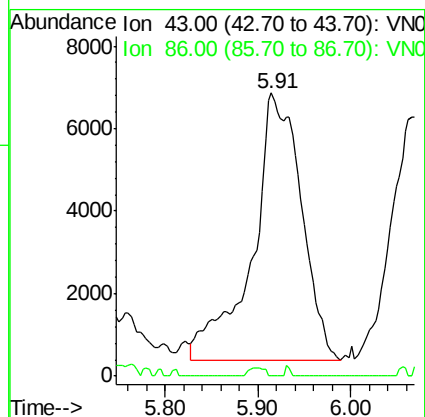
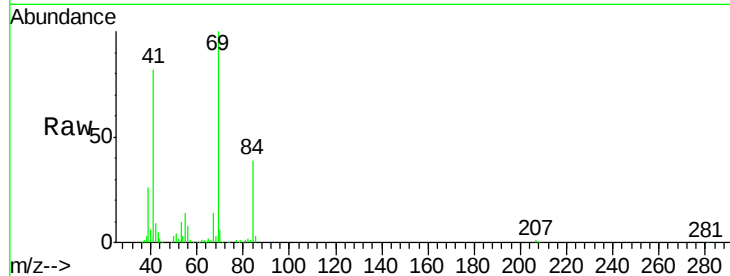
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 24033

Ion Ratio Lower Upper

43 100

86 0.0 7.2 10.8#



#25

2-Butanone

Concen: 3.69 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VN049325.D

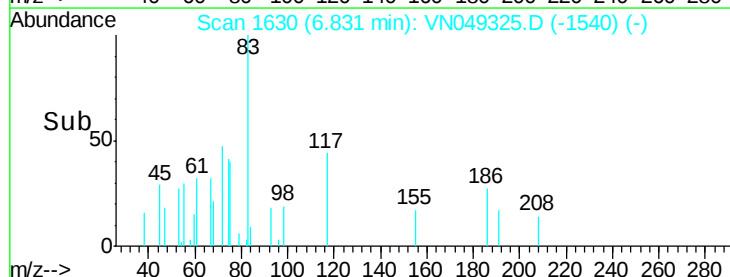
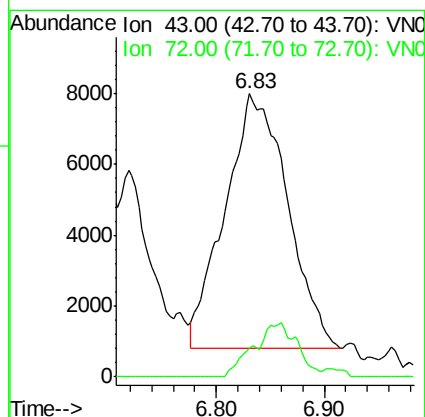
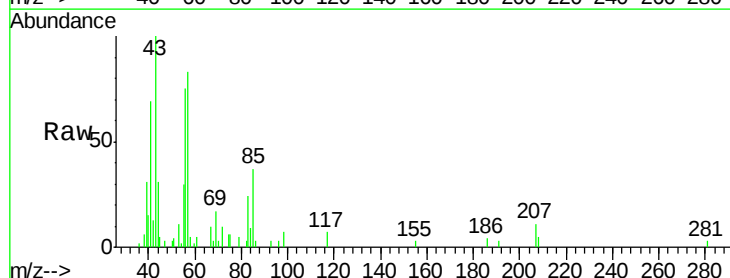
Acq: 16 Jun 2018 22:03

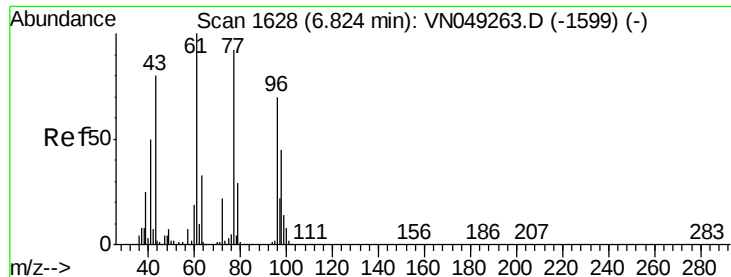
Tgt Ion: 43 Resp: 28985

Ion Ratio Lower Upper

43 100

72 11.4 20.2 30.2#





#26

2,2-Dichloropropane

Concen: 0.84 ug/l

RT: 6.62 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

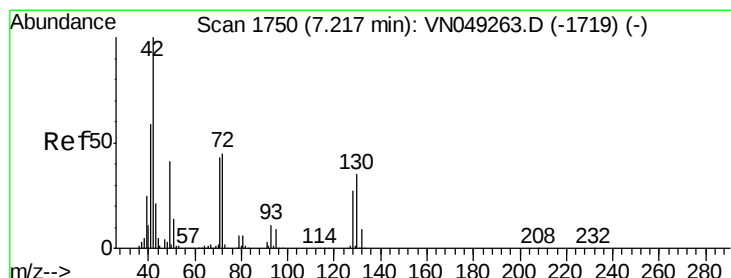
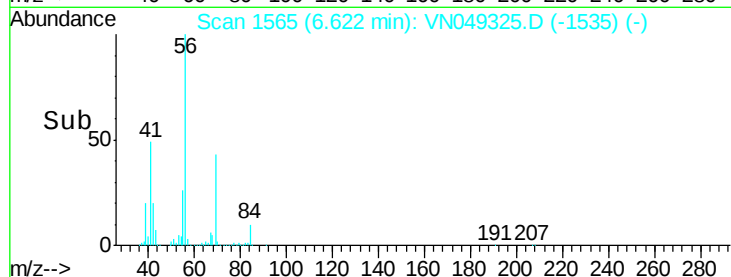
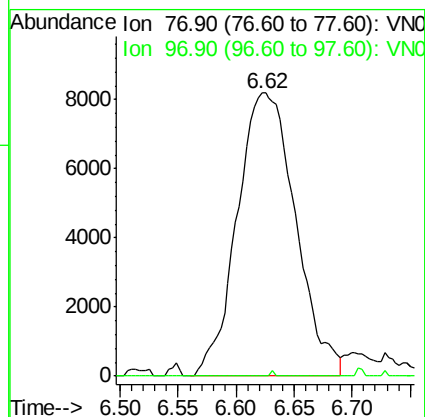
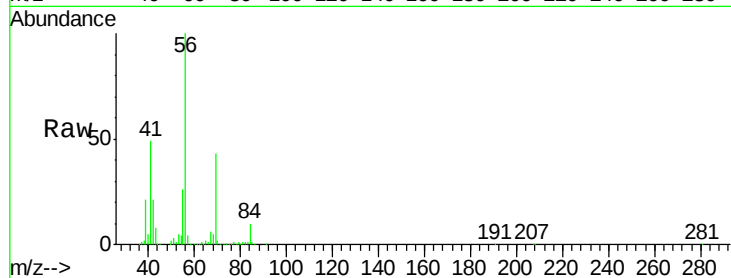
ClientSampled :

Tot Ion: 77 Resp: 28690

Ion Ratio Lower Upper

77 100

97 0.1 11.0 33.0#



#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 7.20 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

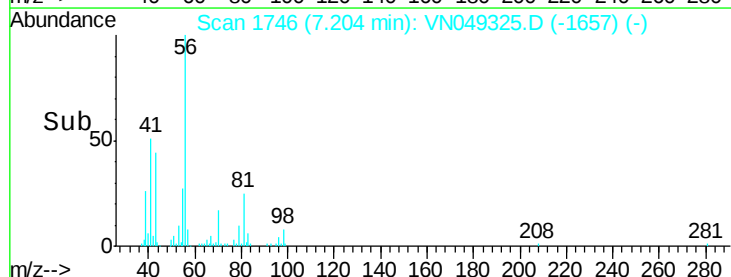
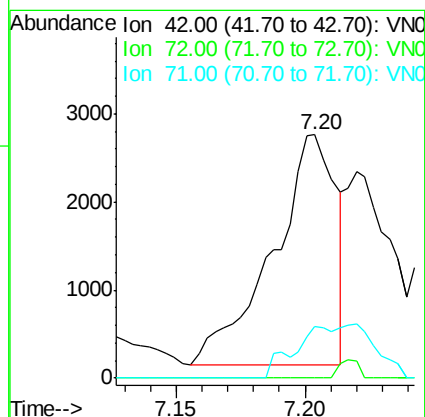
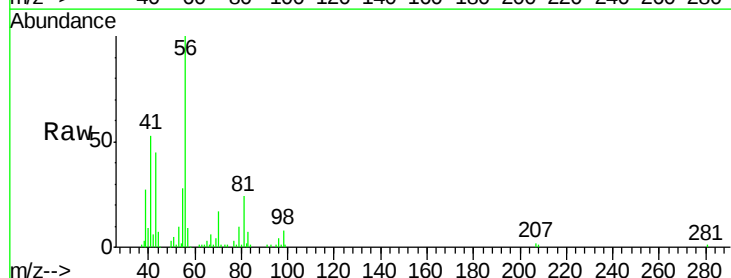
Tgt Ion: 42 Resp: 4454

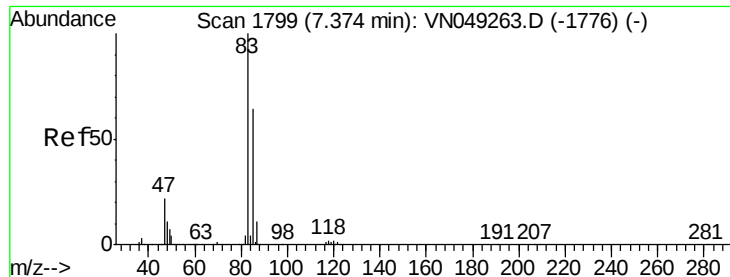
Ion Ratio Lower Upper

42 100

72 2.5 32.2 48.4#

71 0.0 30.5 45.7#





#30

Chloroform

Concen: 14.20 ug/l

RT: 7.33 min Scan# 1784

Delta R.T. -0.05 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

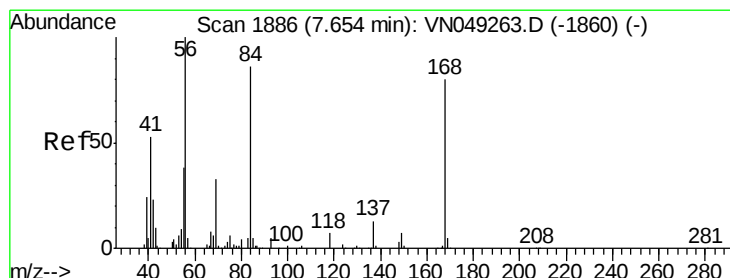
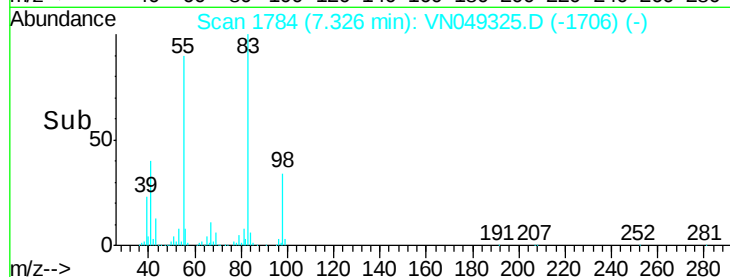
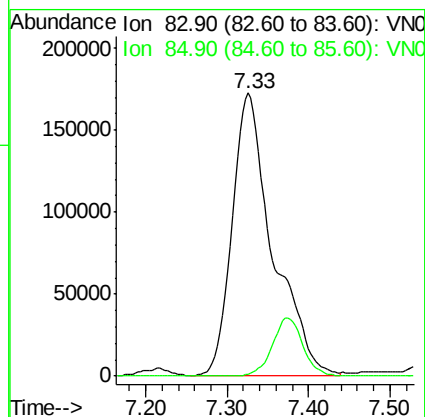
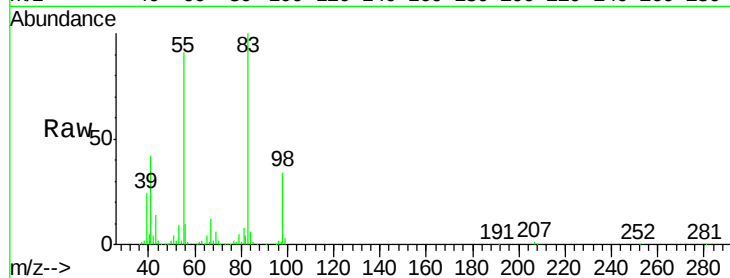
ClientSampleId :

Tot Ion: 83 Resp: 594841

Ion Ratio Lower Upper

83 100

85 0.8 51.7 77.5#



#31

Cyclohexane

Concen: 68.95 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

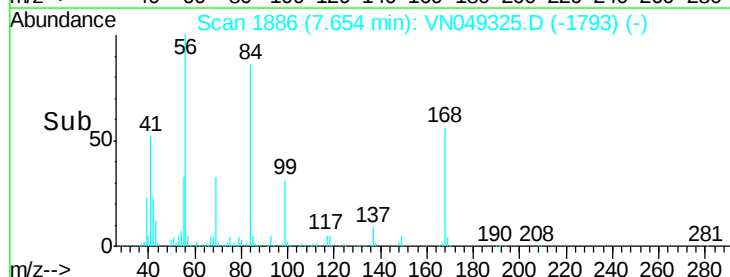
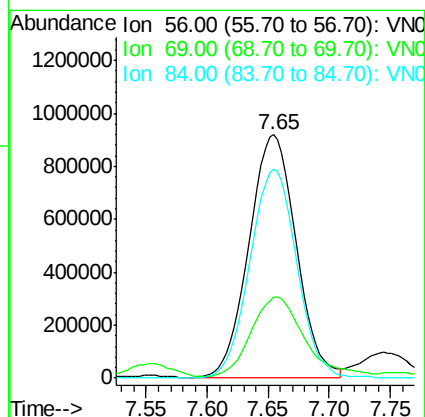
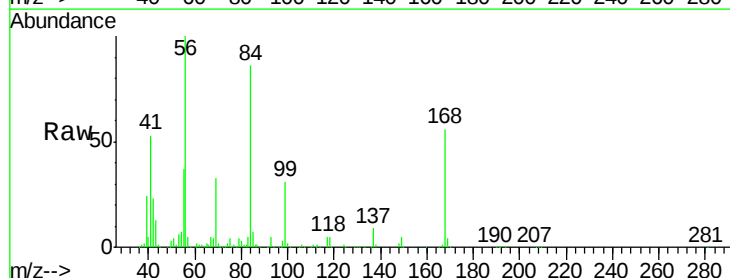
Tgt Ion: 56 Resp: 2457568

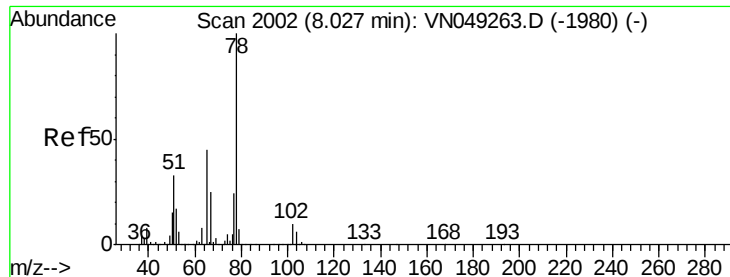
Ion Ratio Lower Upper

56 100

69 32.1 25.0 37.4

84 85.9 64.6 96.8





#33

1,2-Dichloroethane-d4

Concen: 46.32 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

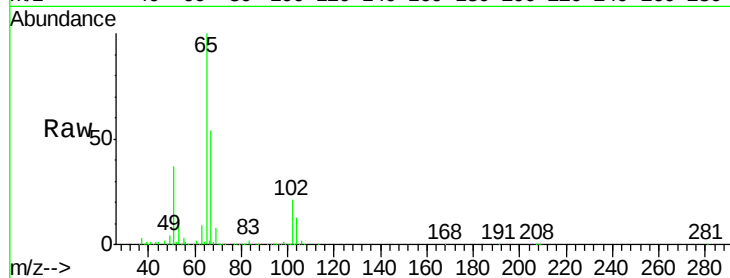
ClientSampleId :

Tot Ion: 65 Resp: 1117467

Ion Ratio Lower Upper

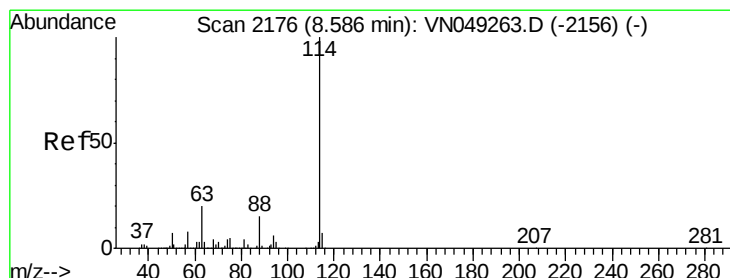
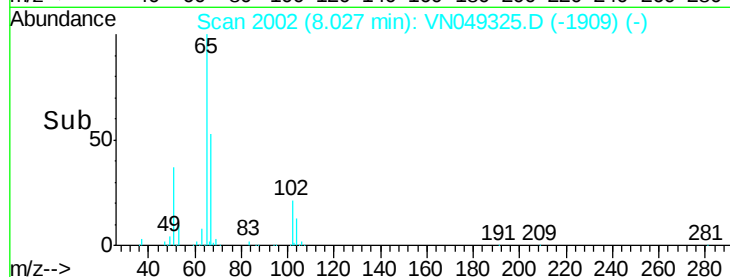
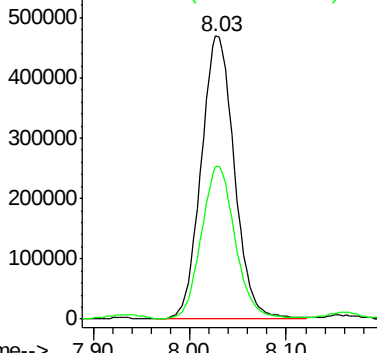
65 100

67 54.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

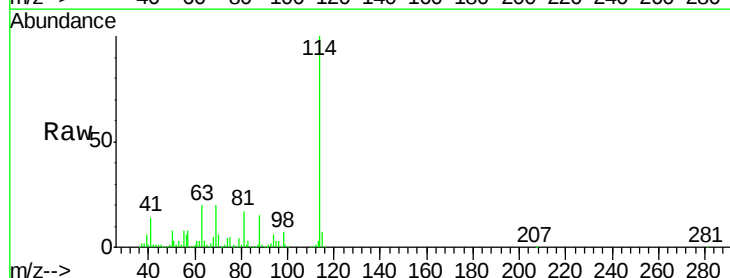
Tgt Ion: 114 Resp: 2778754

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

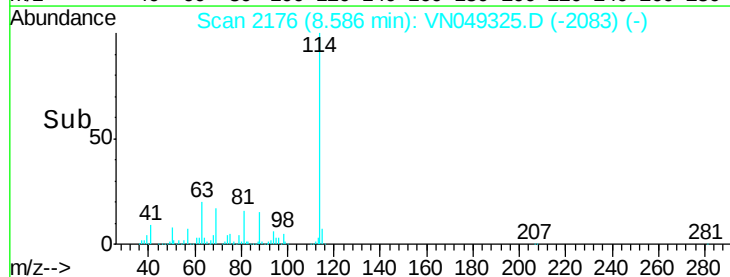
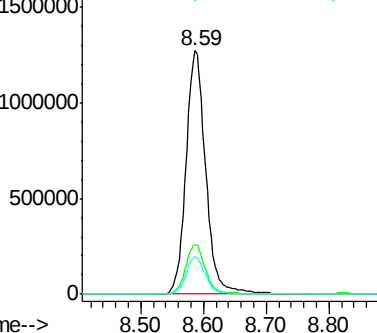
88 15.5 0.0 31.4

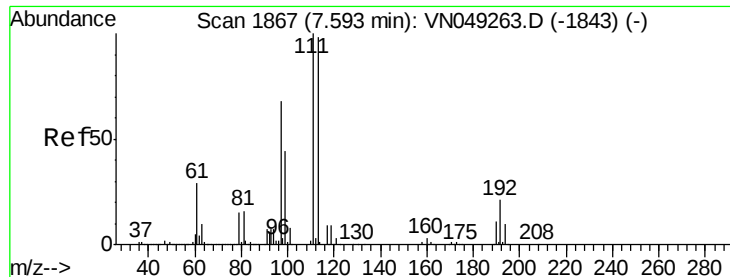


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 45.05 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

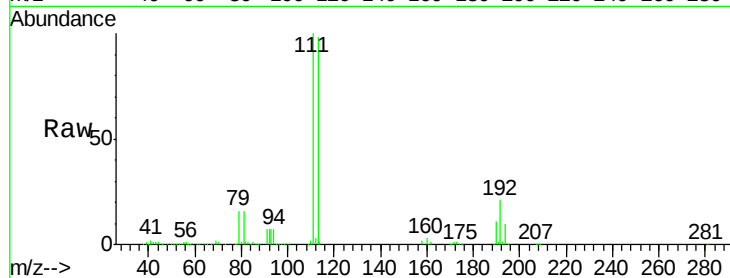
Tot Ion:113 Resp: 1012678

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

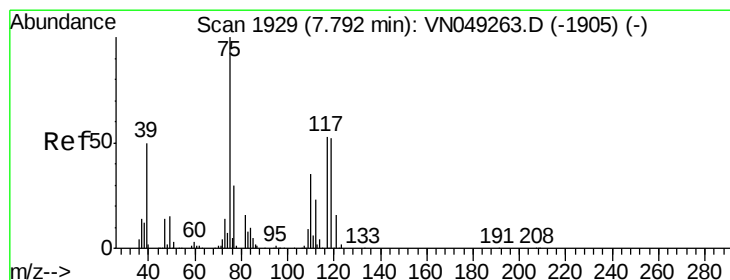
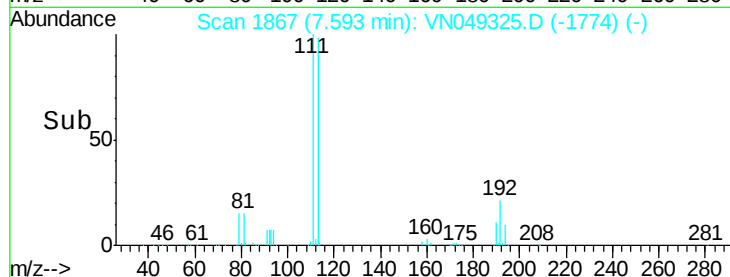
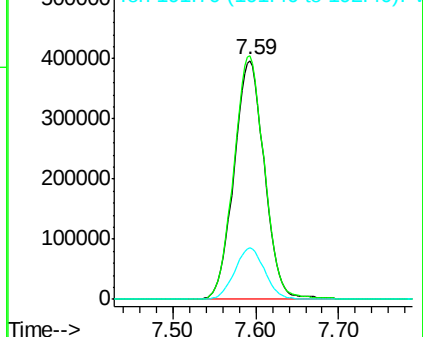
192 21.3 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.02 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

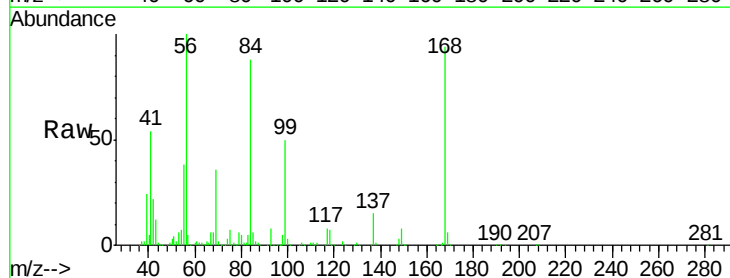
Tgt Ion: 75 Resp: 127899

Ion Ratio Lower Upper

75 100

110 7.4 17.0 50.9#

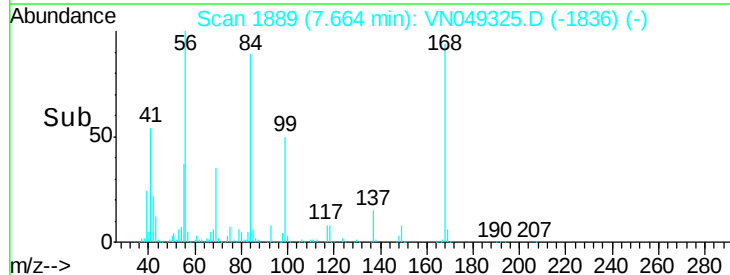
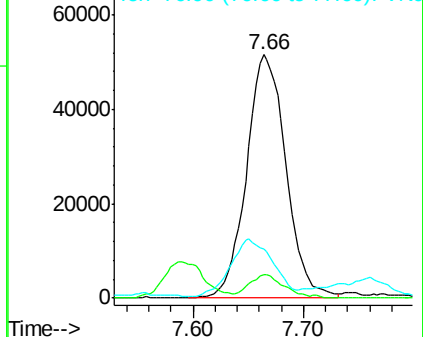
77 25.3 24.4 36.6

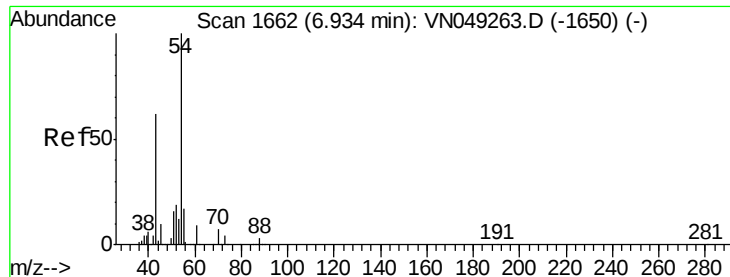


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

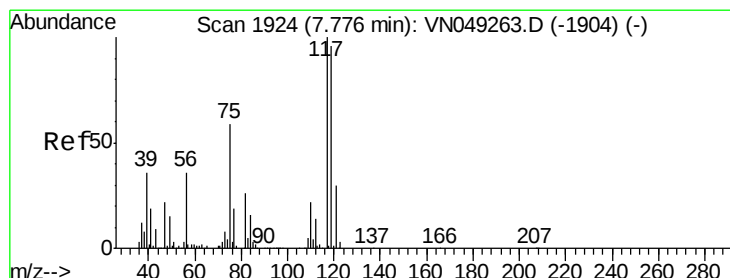
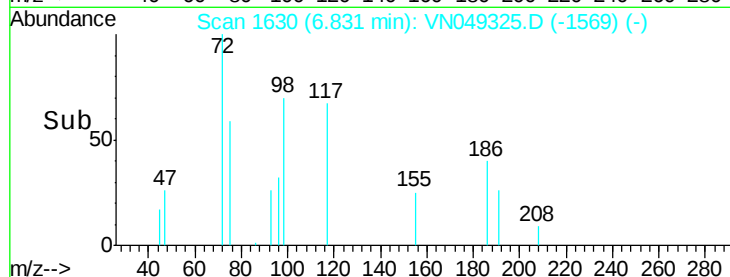
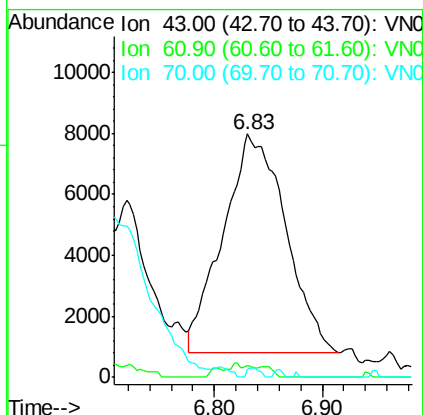
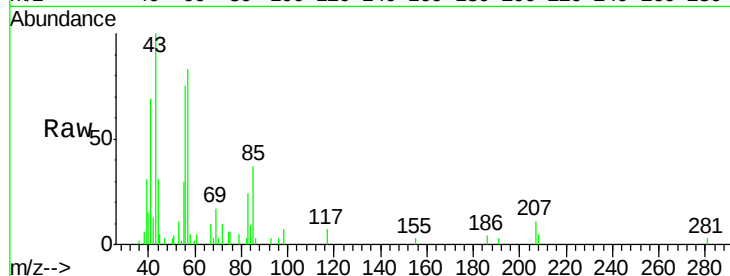




#37
Ethyl Acetate
Concen: 1.67 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

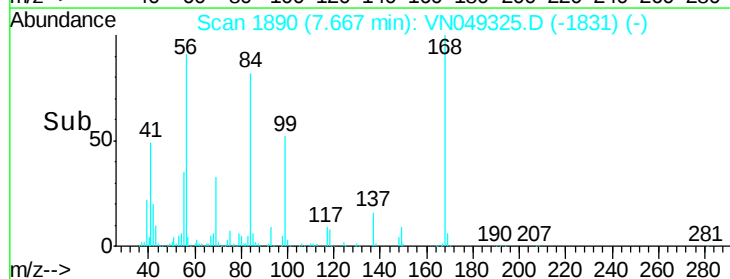
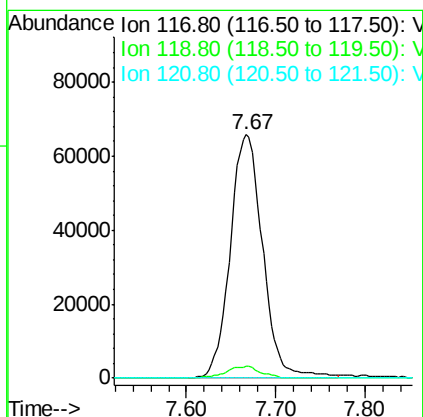
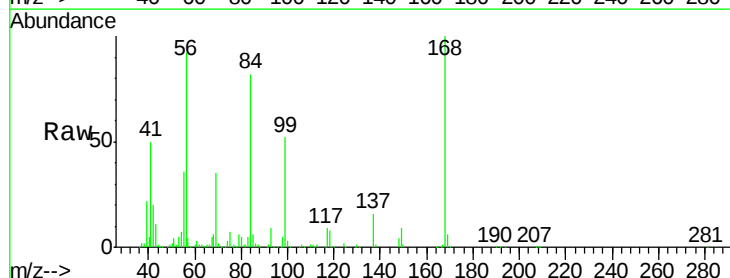
Instrument :
MSVOA_N
ClientSampled :

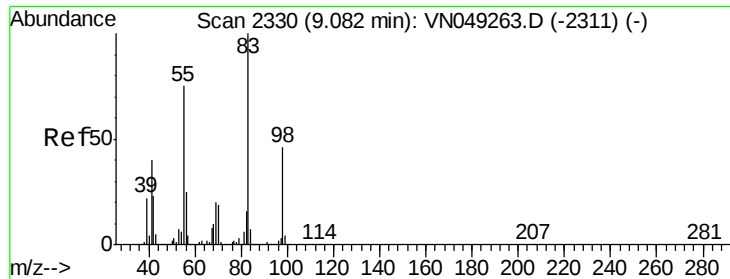
Tot Ion: 43 Resp: 28985
Ion Ratio Lower Upper
43 100
61 0.6 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.05 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion: 117 Resp: 166580
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 24.7 37.1#

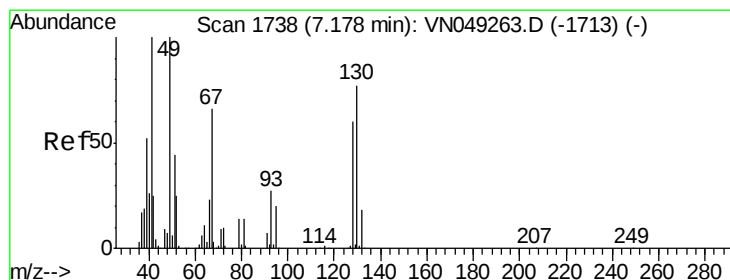
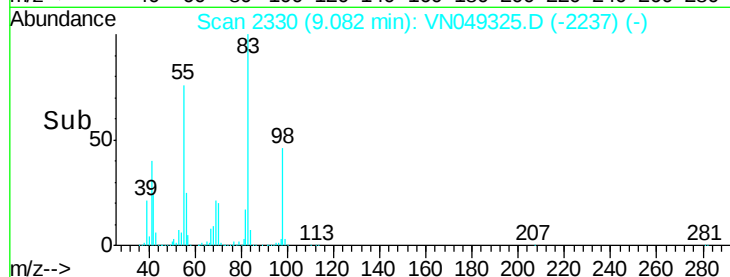
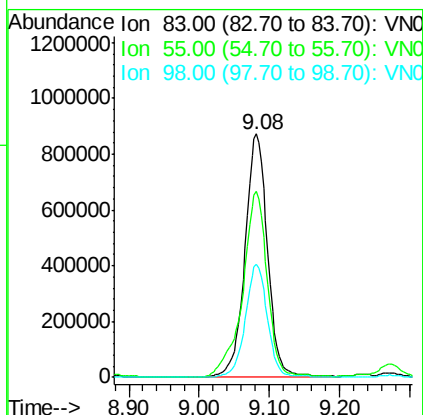
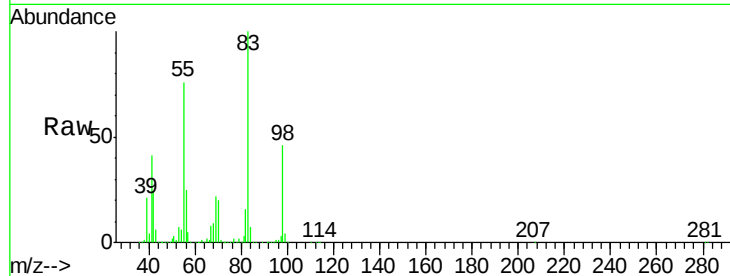




#39
Methylcyclohexane
Concen: 56.80 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

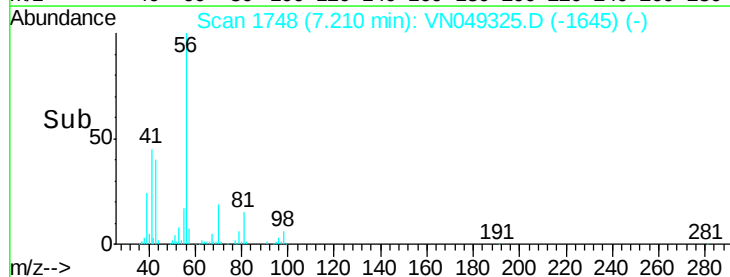
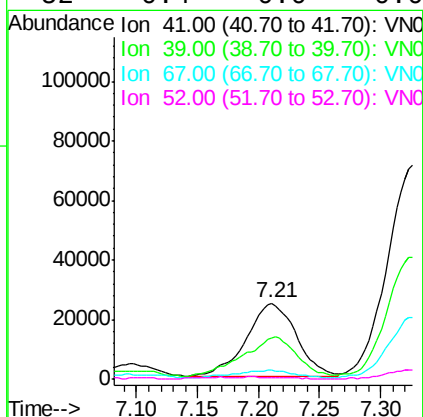
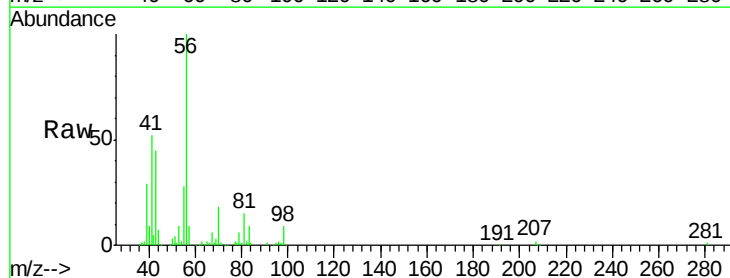
Instrument :
MSVOA_N
ClientSampled :

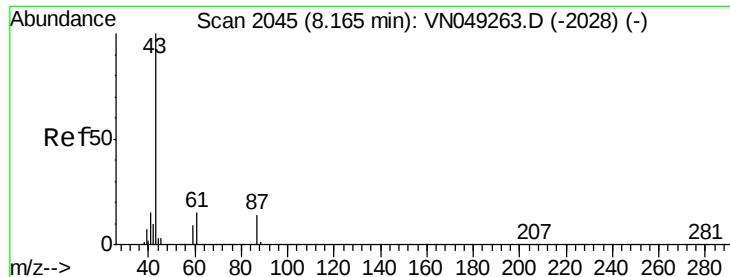
Tot Ion: 83 Resp: 1941848
Ion Ratio Lower Upper
83 100
55 76.3 65.1 97.7
98 46.2 36.5 54.7



#41
Methacrylonitrile
Concen: 7.32 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.03 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion: 41 Resp: 68541
Ion Ratio Lower Upper
41 100
39 61.2 0.0 0.0#
67 12.5 0.0 0.0#
52 0.4 0.0 0.0#



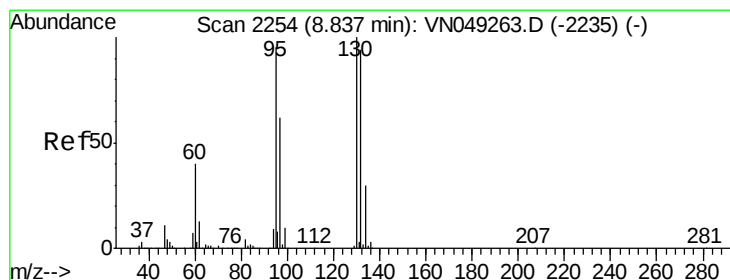
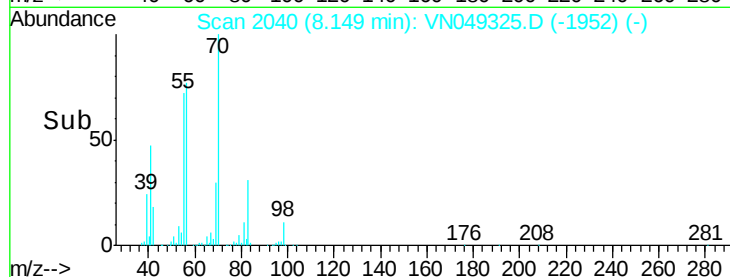
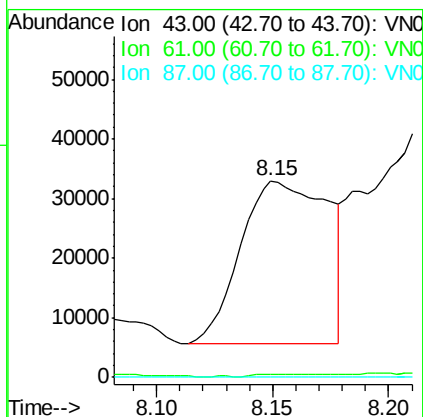
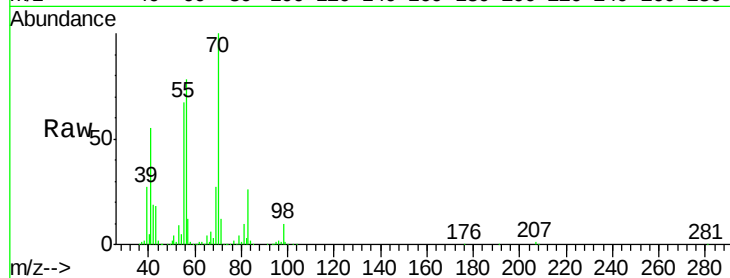


#43

Isopropyl Acetate
 Concen: 2.15 ug/l
 RT: 8.15 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Instrument :
 MSVOA_N
 ClientSampled :

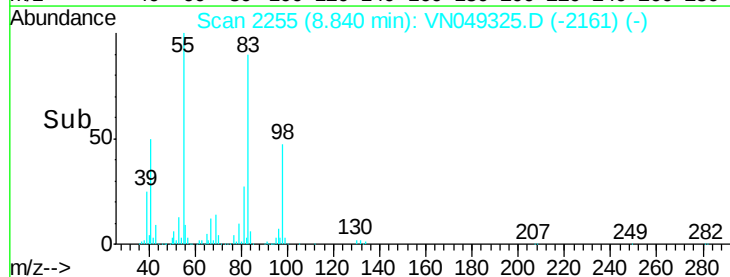
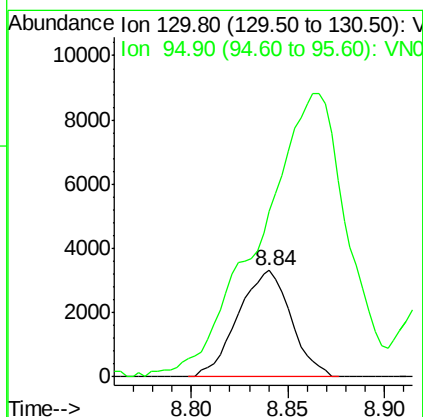
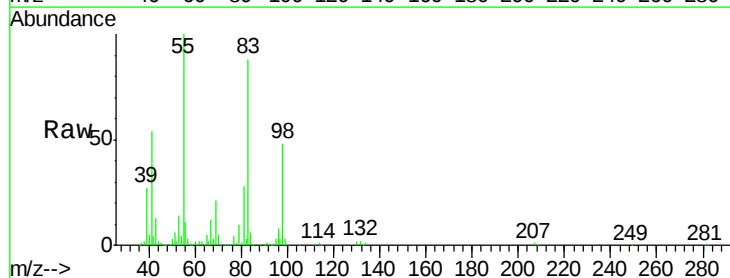
Tot Ion: 43 Resp: 71281
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.2 21.4#
 87 0.0 9.4 14.0#

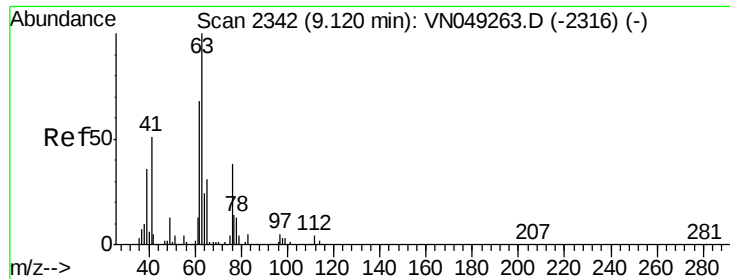


#44

Trichloroethene
 Concen: 0.24 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Tgt Ion:130 Resp: 6301
 Ion Ratio Lower Upper
 130 100
 95 138.0 0.0 208.6

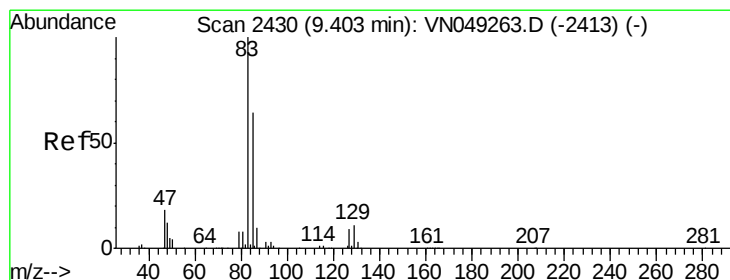
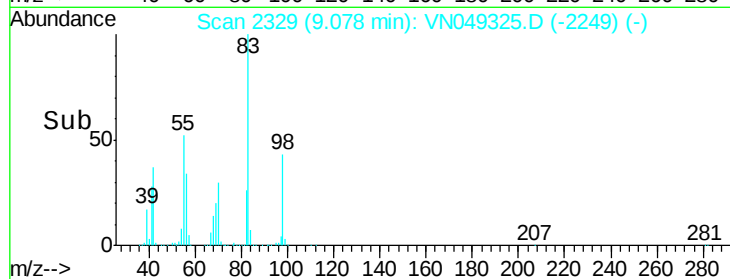
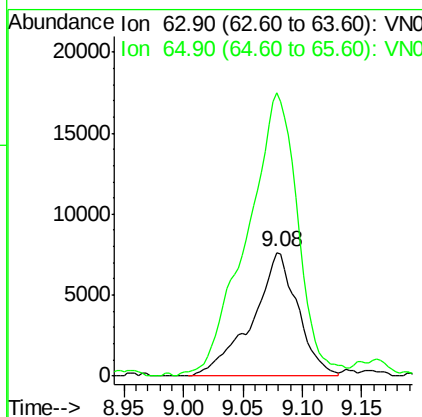
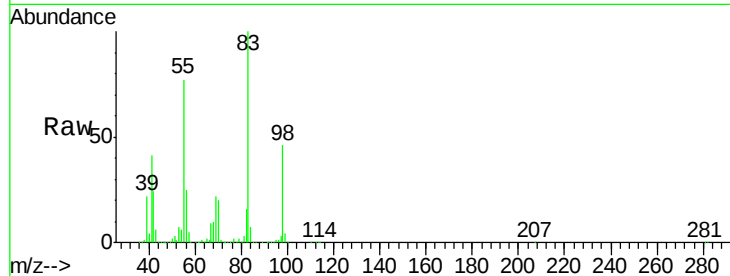




#45
 1,2-Dichloropropane
 Concen: 0.79 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

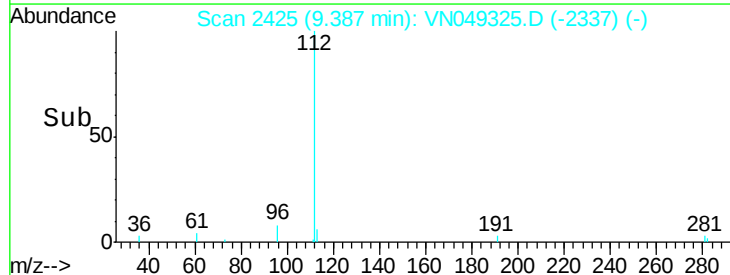
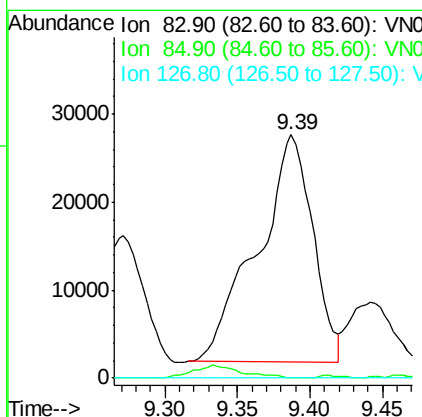
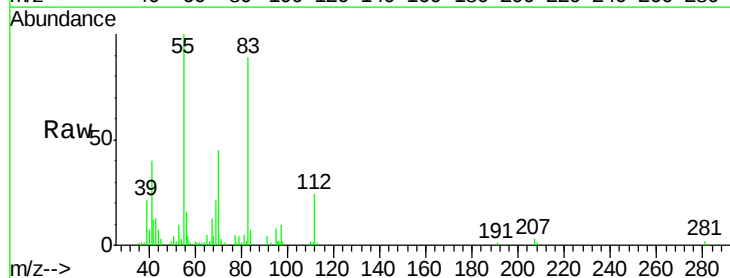
Instrument :
 MSVOA_N
 ClientSampleId :

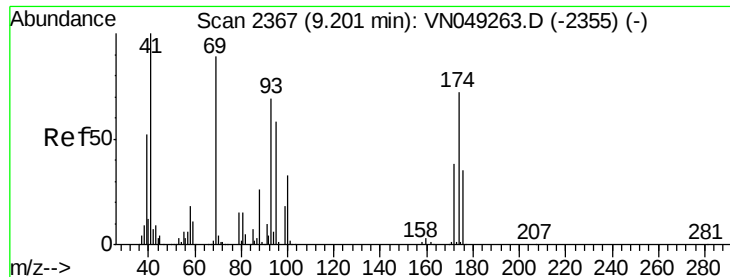
Tot Ion: 63 Resp: 20277
 Ion Ratio Lower Upper
 63 100
 65 225.3 24.8 37.2#



#47
 Bromodichloromethane
 Concen: 2.11 ug/l
 RT: 9.39 min Scan# 2425
 Delta R.T. -0.02 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Tgt Ion: 83 Resp: 68888
 Ion Ratio Lower Upper
 83 100
 85 0.0 49.4 74.0#
 127 0.0 6.3 9.5#

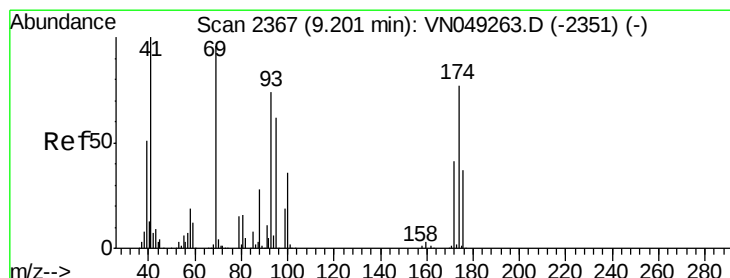
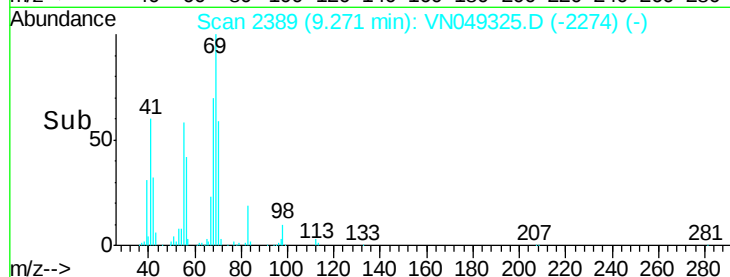
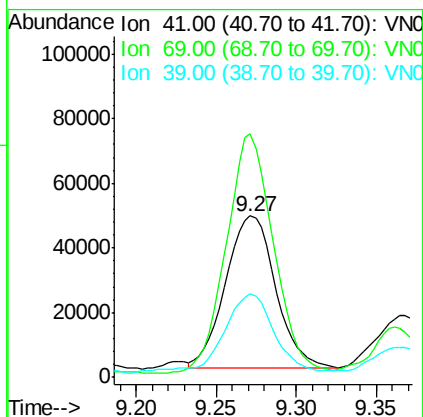
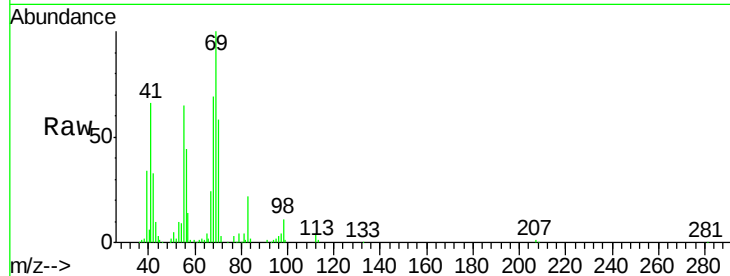




#48
Methvl methacrylate
Concen: 6.41 ug/l
RT: 9.27 min Scan# 2389
Delta R.T. 0.07 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

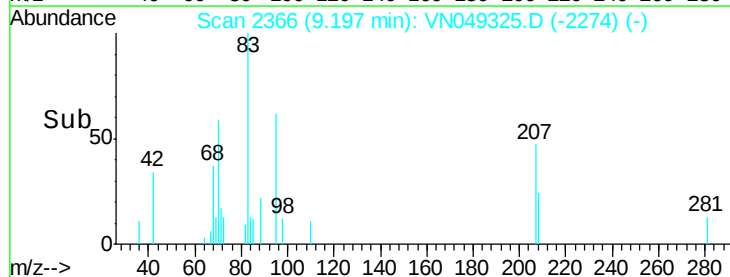
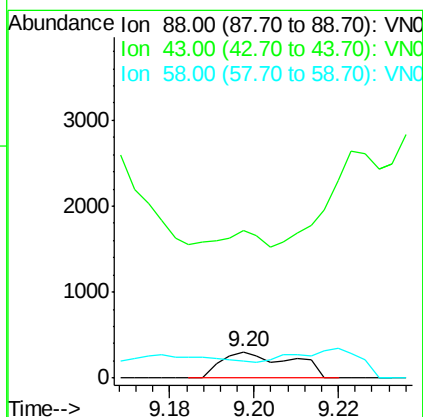
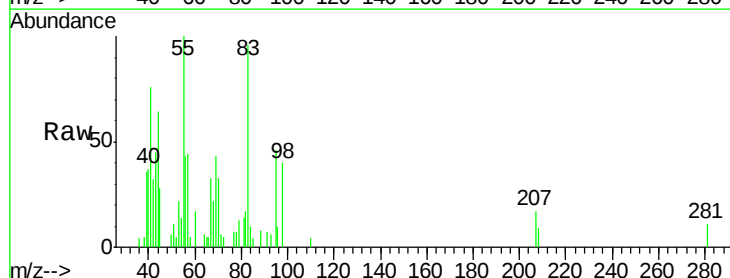
Instrument :
MSVOA_N
ClientSampled :

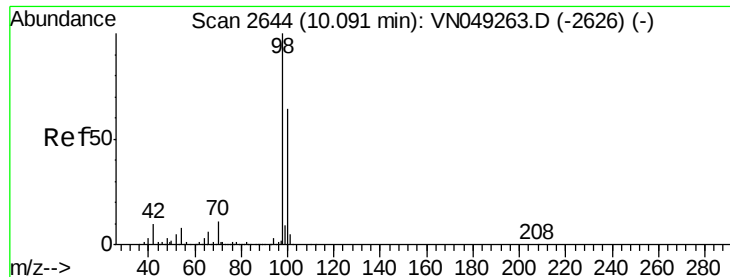
Tot Ion: 41 Resp: 99910
Ion Ratio Lower Upper
41 100
69 148.2 62.0 93.0#
39 48.1 50.6 75.8#



#49
1,4-Dioxane
Concen: 1.63 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion: 88 Resp: 350
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 45.93 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

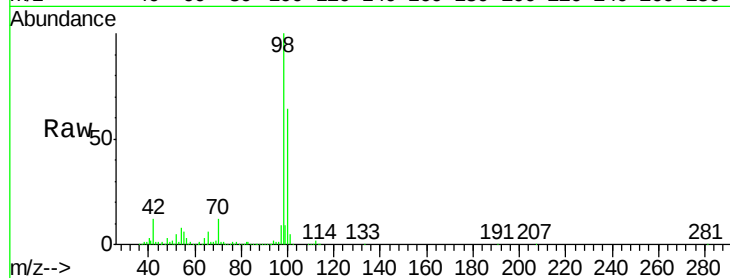
ClientSampled :

Tot Ion: 98 Resp: 3931336

Ion Ratio Lower Upper

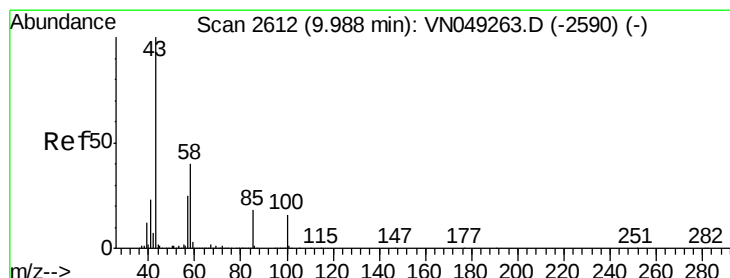
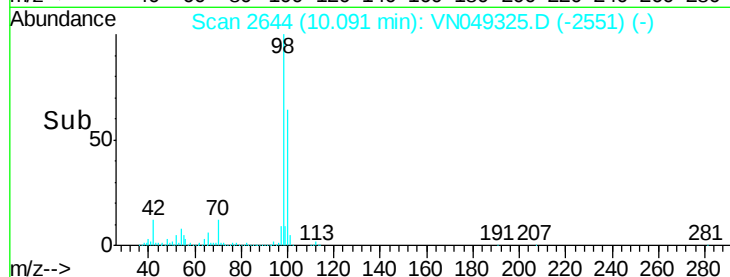
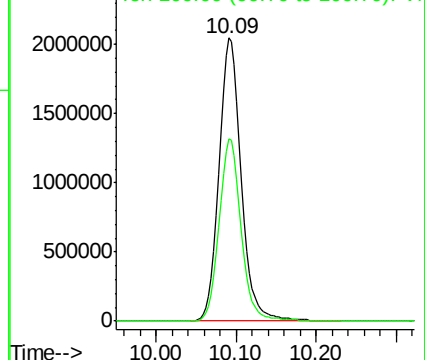
98 100

100 63.8 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.57 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049325.D

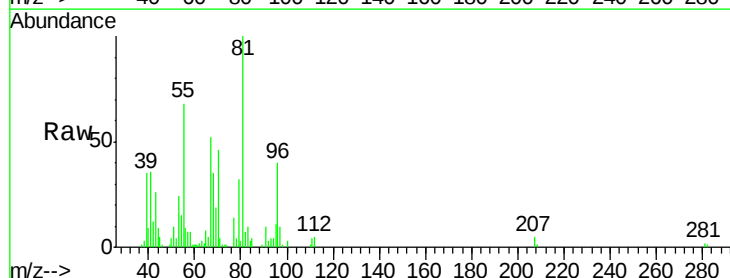
Acq: 16 Jun 2018 22:03

Tgt Ion: 43 Resp: 9892

Ion Ratio Lower Upper

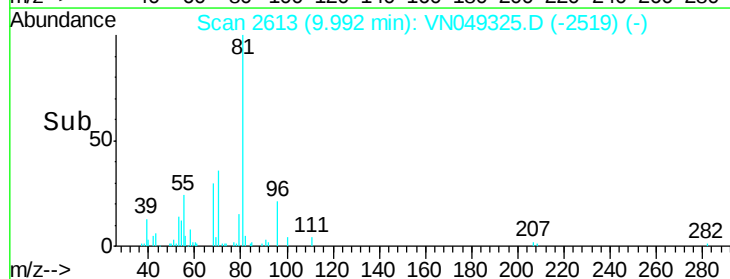
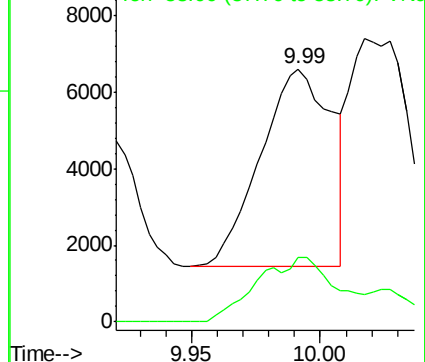
43 100

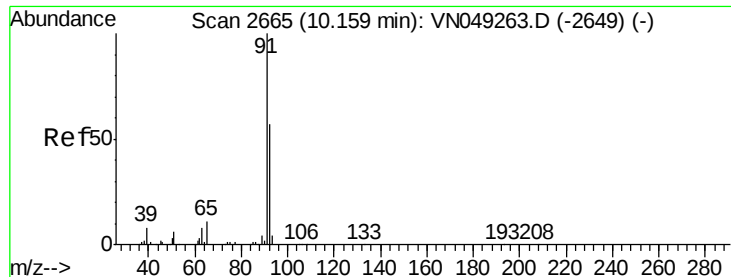
58 36.9 29.0 43.6



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

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





#52

Toluene

Concen: 0.58 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

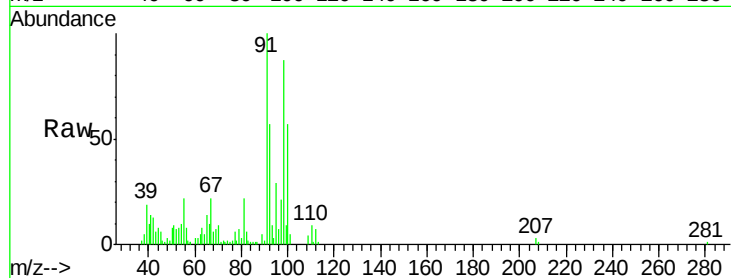
ClientSampleId :

Tot Ion: 92 Resp: 33143

Ion Ratio Lower Upper

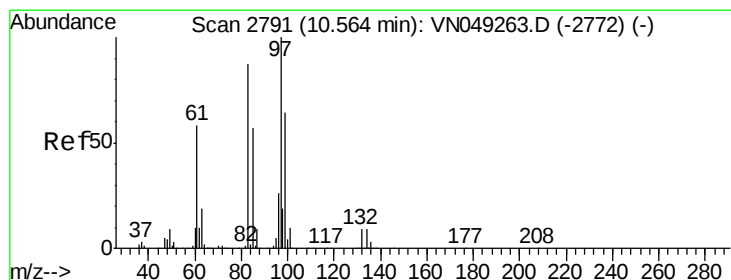
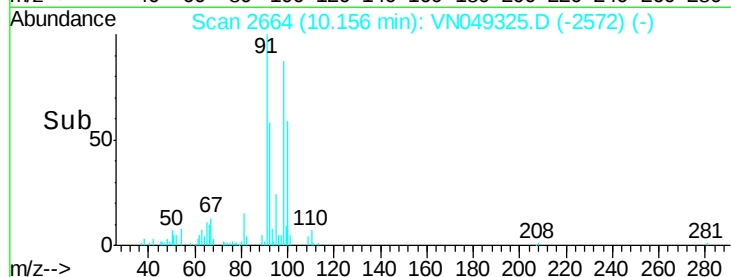
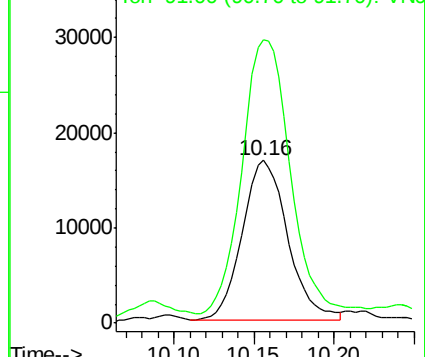
92 100

91 179.8 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049325.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049325.D (-2649) (-)



#55

1,1,2-Trichloroethane

Concen: 9.91 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Tgt Ion: 97 Resp: 211793

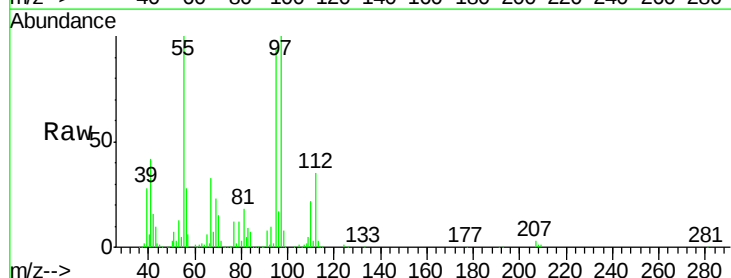
Ion Ratio Lower Upper

97 100

83 8.3 71.5 107.3#

85 0.5 47.0 70.4#

99 0.5 51.4 77.2#

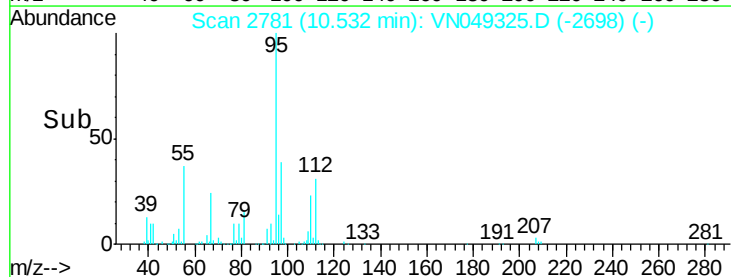
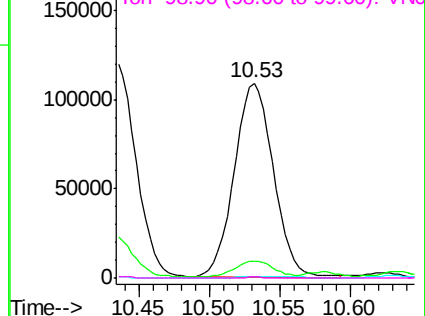


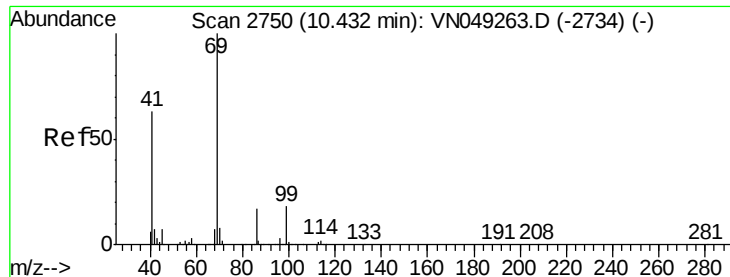
Abundance Ion 96.90 (96.60 to 97.60): VN049325.D (-2698) (-)

Ion 82.90 (82.60 to 83.60): VN049325.D (-2698) (-)

Ion 84.90 (84.60 to 85.60): VN049325.D (-2698) (-)

Ion 98.90 (98.60 to 99.60): VN049325.D (-2698) (-)





#56

Ethyl methacrylate

Concen: 2.51 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

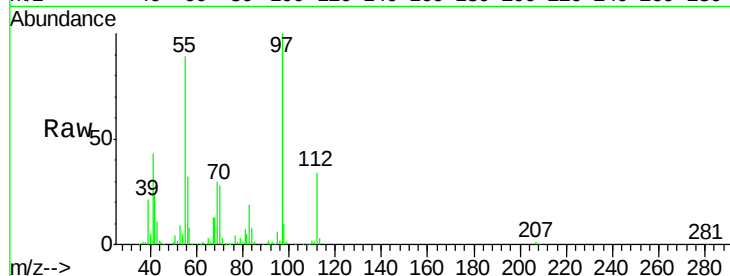
Tot Ion: 69 Resp: 61940

Ion Ratio Lower Upper

69 100

41 145.9 58.4 87.6#

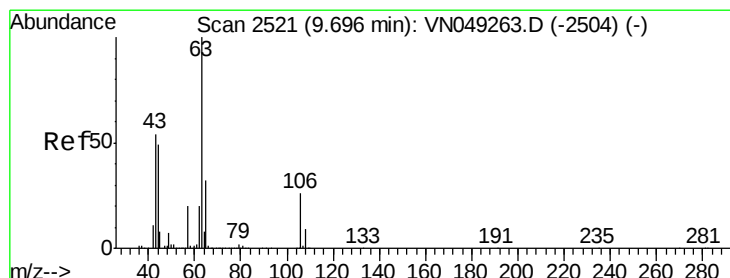
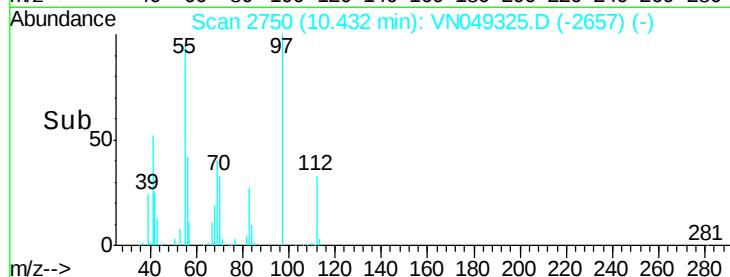
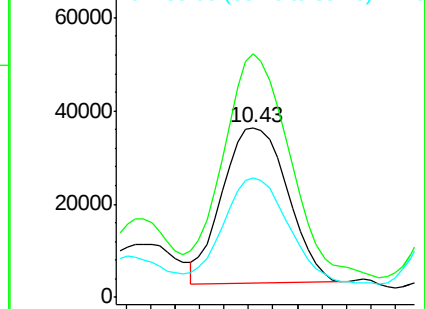
39 68.7 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049325.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049325.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049325.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.42 ug/l

RT: 9.76 min Scan# 2542

Delta R.T. 0.07 min

Lab File: VN049325.D

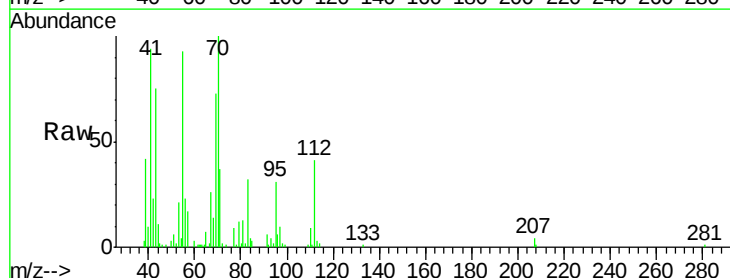
Acq: 16 Jun 2018 22:03

Tgt Ion: 63 Resp: 866

Ion Ratio Lower Upper

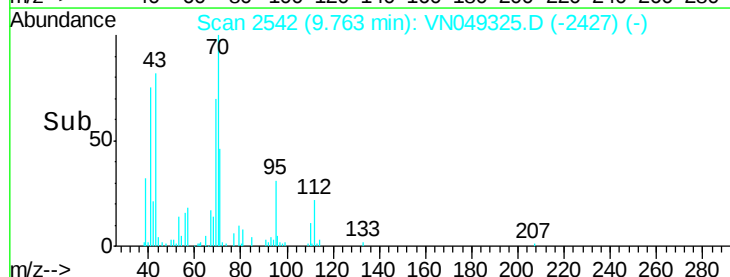
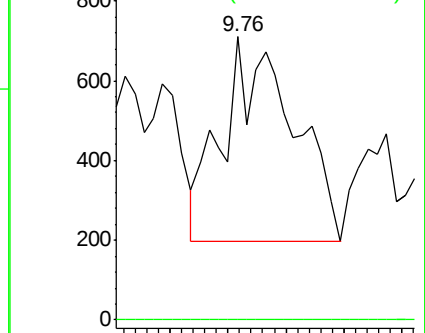
63 100

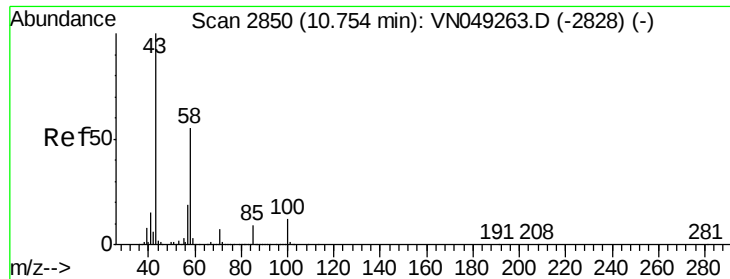
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049325.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049325.D (-2427) (-)





#59

2-Hexanone

Concen: 1.37 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

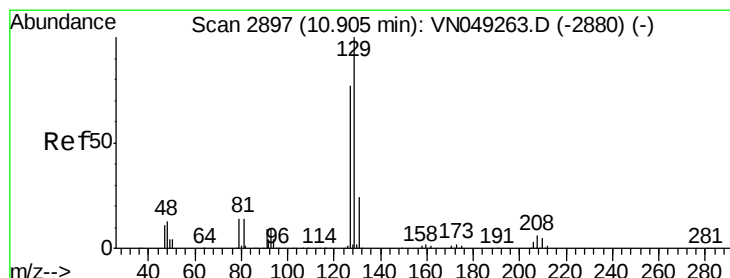
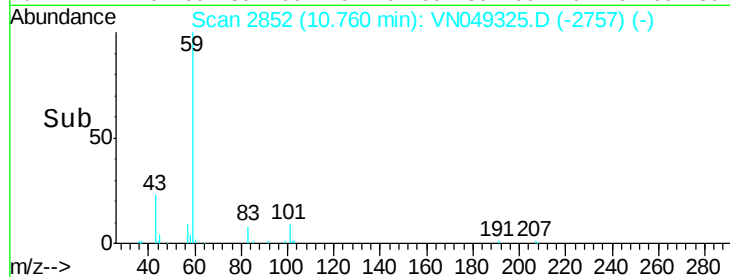
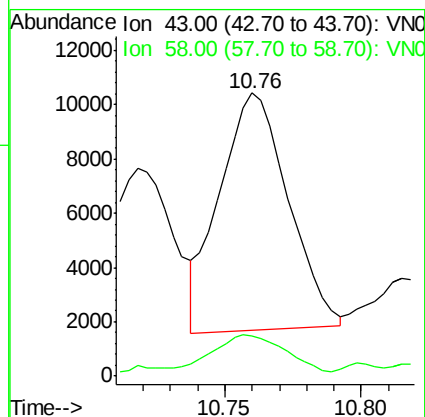
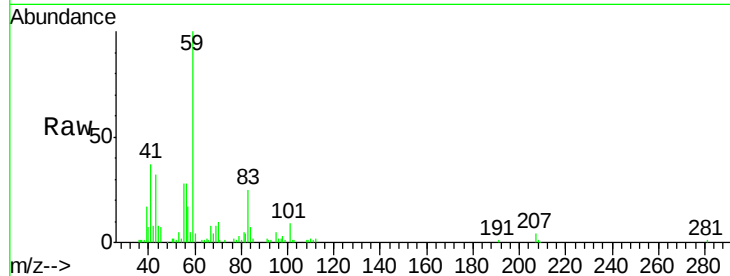
ClientSampled :

Tot Ion: 43 Resp: 15313

Ion Ratio Lower Upper

43 100

58 19.9 25.2 75.6#



#60

Dibromochloromethane

Concen: 1.17 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN049325.D

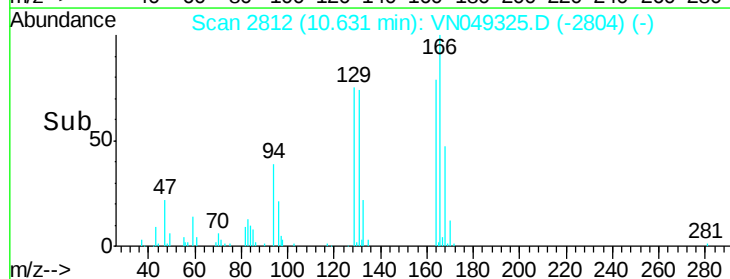
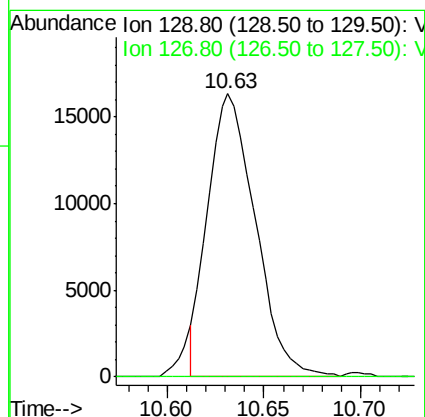
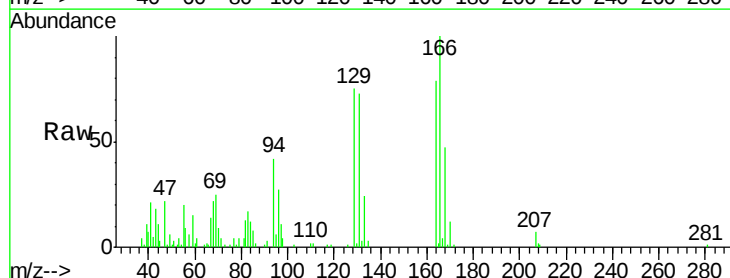
Acq: 16 Jun 2018 22:03

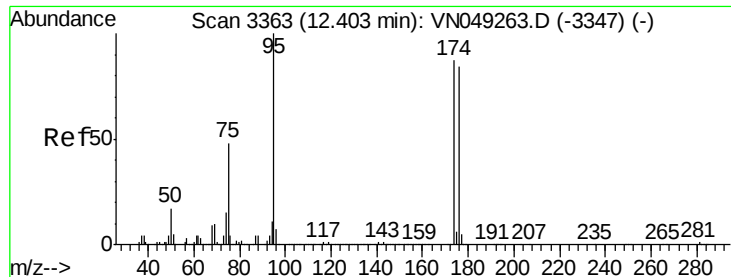
Tgt Ion: 129 Resp: 27877

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#





#62

4-Bromofluorobenzene

Concen: 42.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

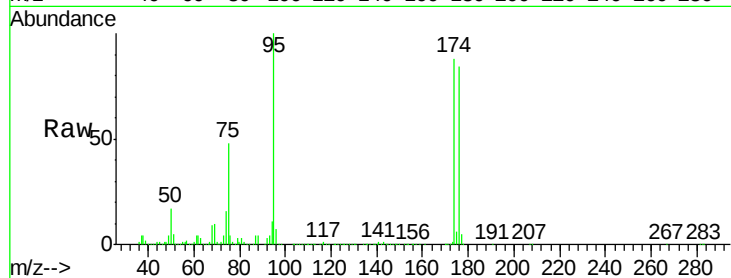
Tot Ion: 95 Resp: 1206297

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.6

176 85.5 0.0 157.4

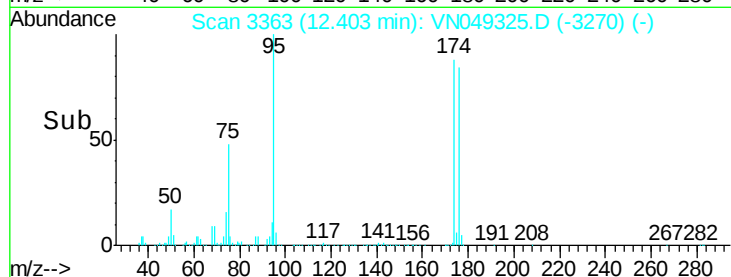


Abundance Ion 94.90 (94.60 to 95.60): VN049325.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049325.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049325.D (-3270) (-)

Time-->



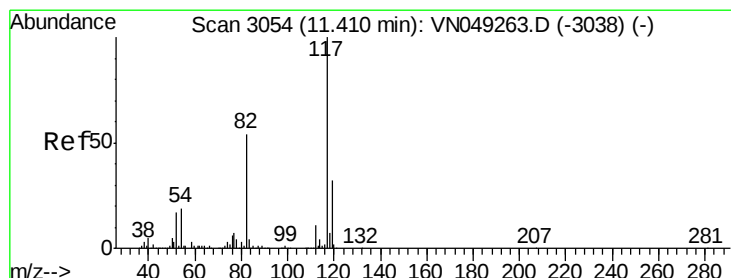
Abundance

Ion 94.90 (94.60 to 95.60): VN049325.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049325.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049325.D (-3270) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

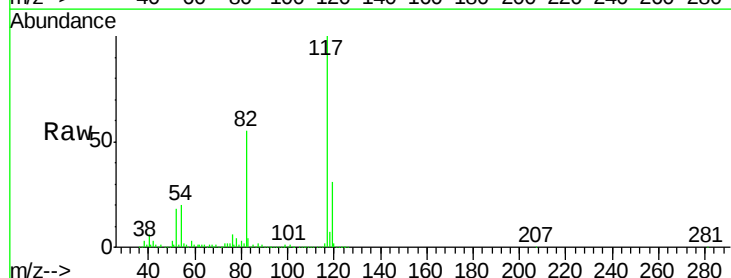
Tgt Ion: 117 Resp: 2374397

Ion Ratio Lower Upper

117 100

82 54.6 45.9 68.9

119 31.5 25.5 38.3

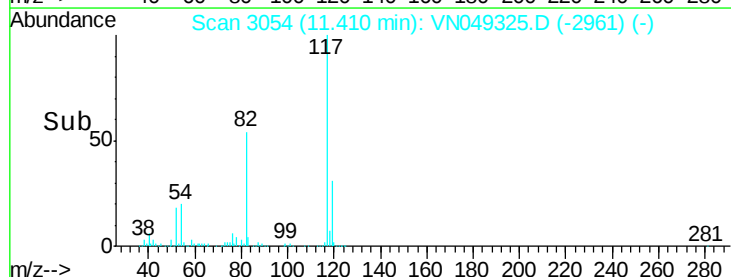


Abundance Ion 116.90 (116.60 to 117.60): VN049325.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049325.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049325.D (-2961) (-)

Time-->



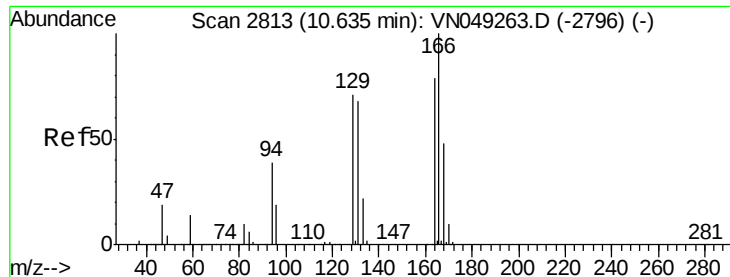
Abundance

Ion 116.90 (116.60 to 117.60): VN049325.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049325.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049325.D (-2961) (-)

Time-->



#64

Tetrachloroethene

Concen: 1.31 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 31771

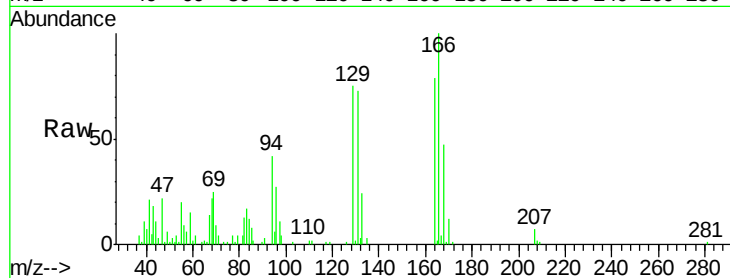
Ion Ratio Lower Upper

164 100

166 125.9 101.4 152.2

129 94.1 74.1 111.1

131 91.9 73.7 110.5

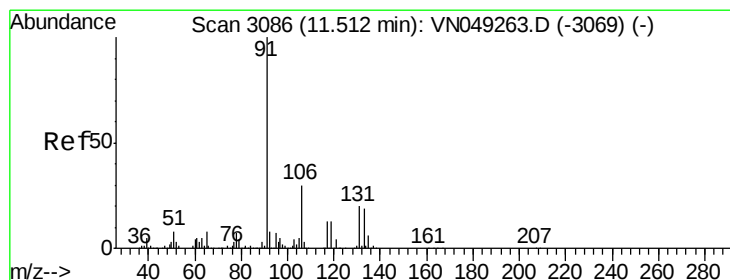
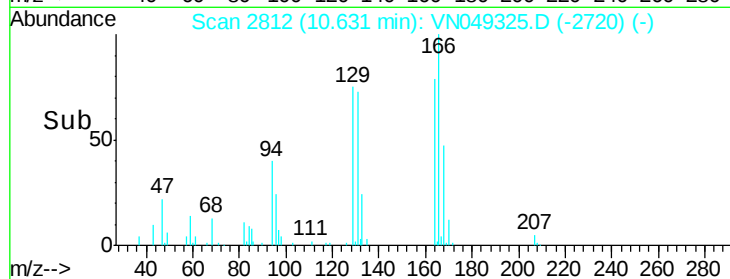
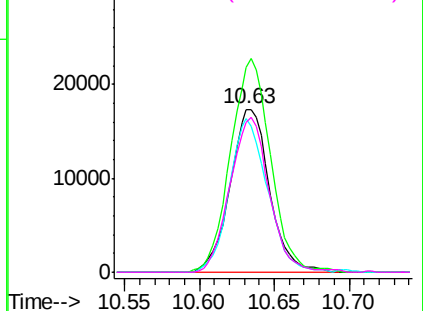


Abundance Ion 163.80 (163.50 to 164.50): V

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: 5.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049325.D

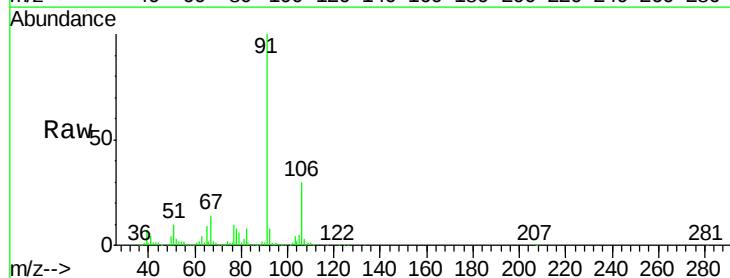
Acq: 16 Jun 2018 22:03

Tgt Ion: 91 Resp: 586701

Ion Ratio Lower Upper

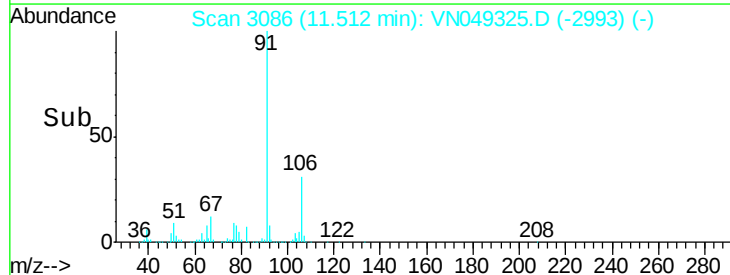
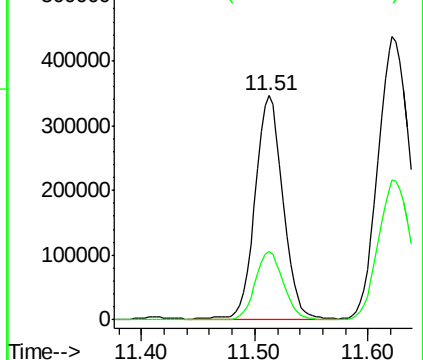
91 100

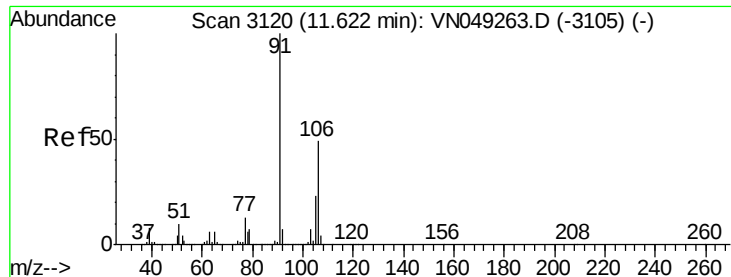
106 30.6 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

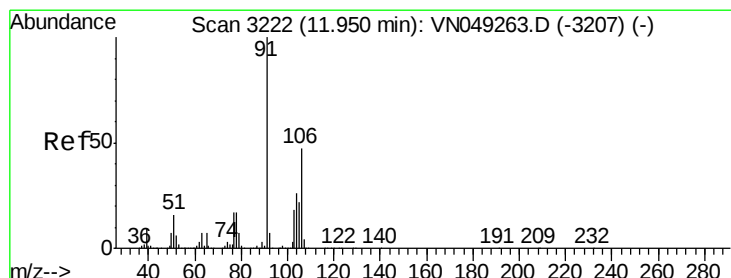
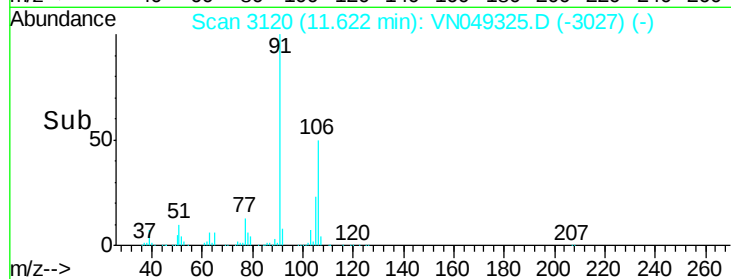
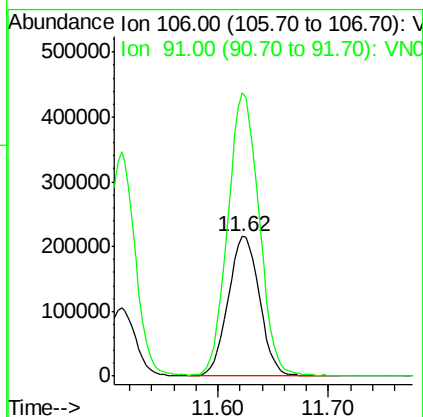
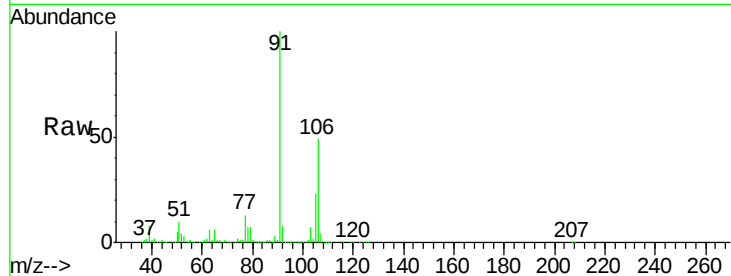




#68
m/p-Xylenes
Concen: 11.19 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

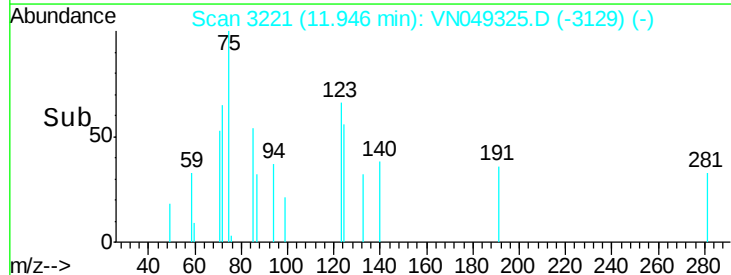
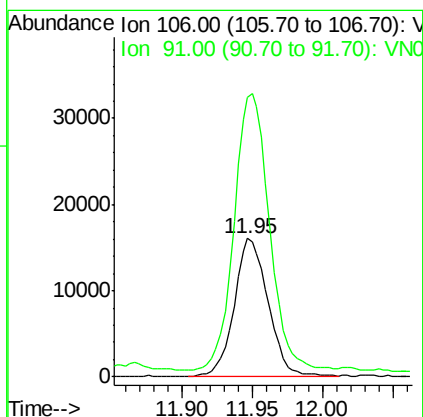
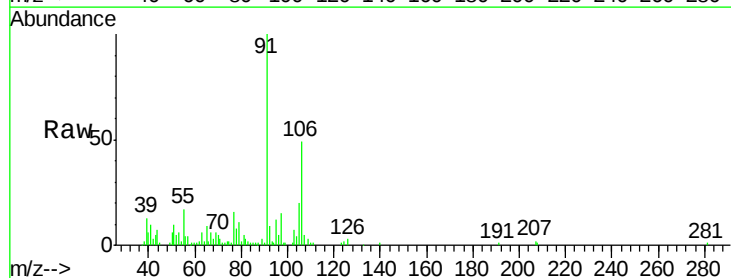
Instrument :
MSVOA_N
ClientSampled :

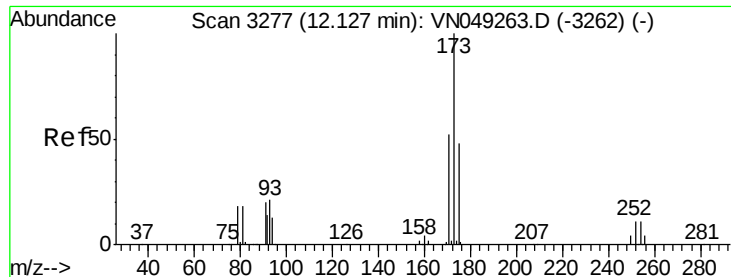
Tot Ion:106 Resp: 425913
Ion Ratio Lower Upper
106 100
91 201.3 167.3 250.9



#69
o-Xylene
Concen: 0.74 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion:106 Resp: 27260
Ion Ratio Lower Upper
106 100
91 204.5 111.0 333.0





#71

Bromoform

Concen: 0.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

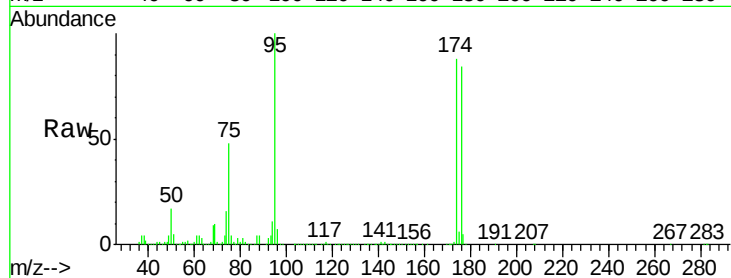
Tot Ion:173 Resp: 7561

Ion Ratio Lower Upper

173 100

175 830.0 24.5 73.5#

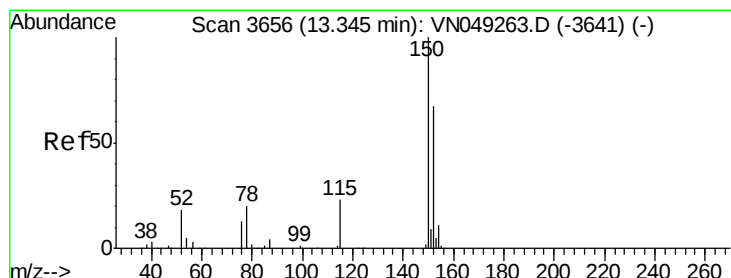
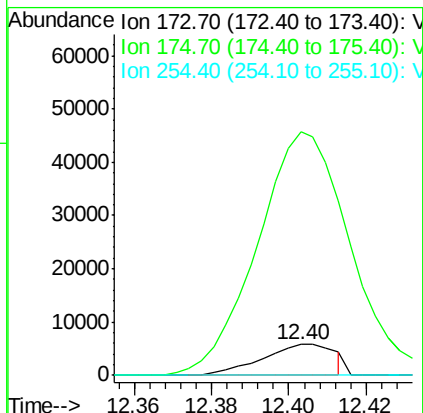
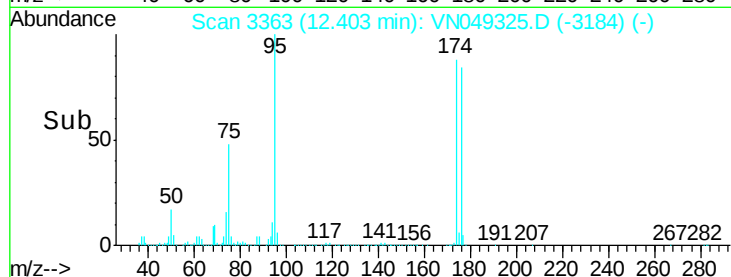
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

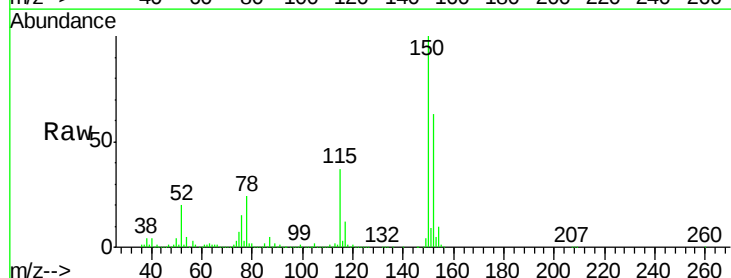
Tgt Ion:152 Resp: 1020221

Ion Ratio Lower Upper

152 100

115 68.6 28.7 86.1

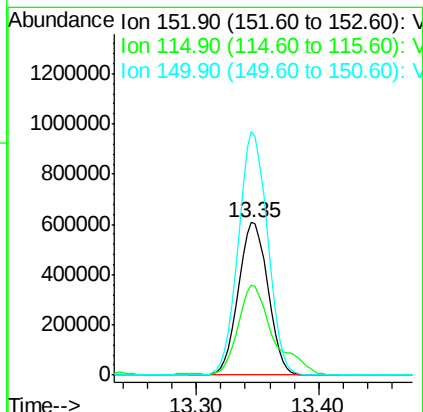
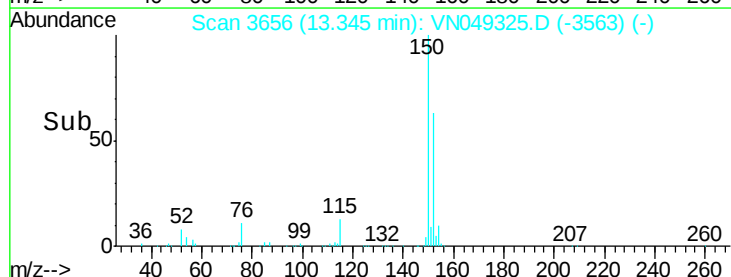
150 157.1 0.0 351.0

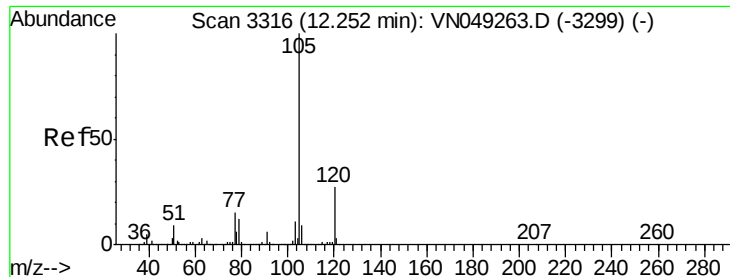


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.07 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

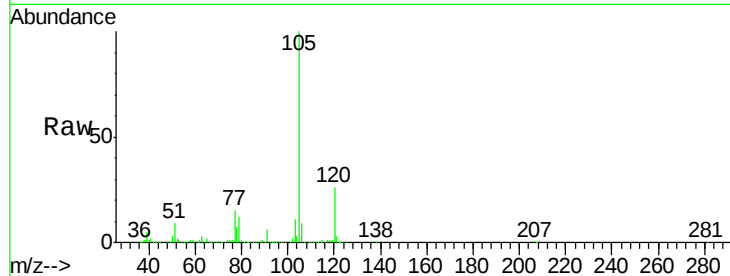
ClientSampled :

Tot Ion:105 Resp: 2066635

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

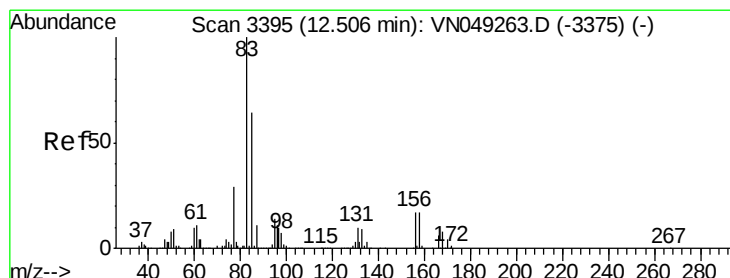
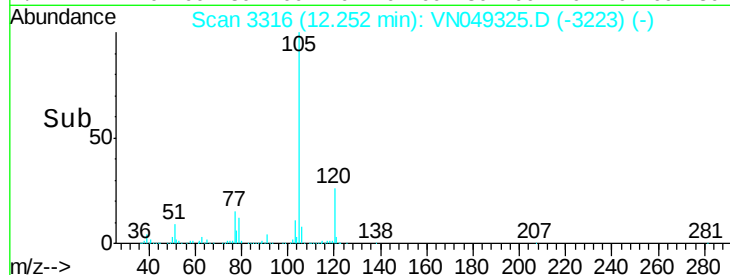
12.25

1000000

500000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

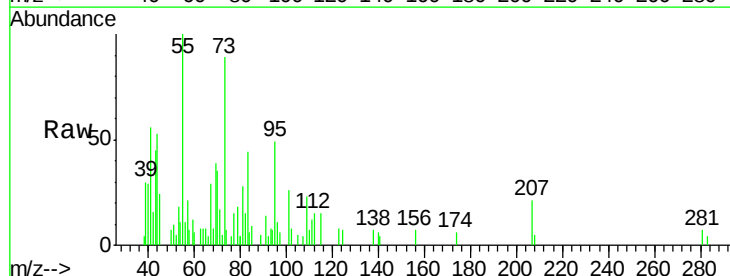
Tgt Ion: 83 Resp: 1471

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 28.9 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

2500

2000

1500

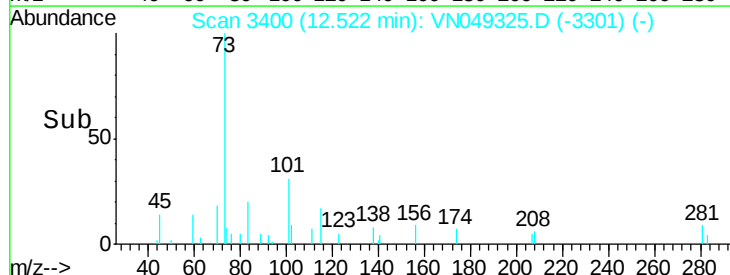
12.52

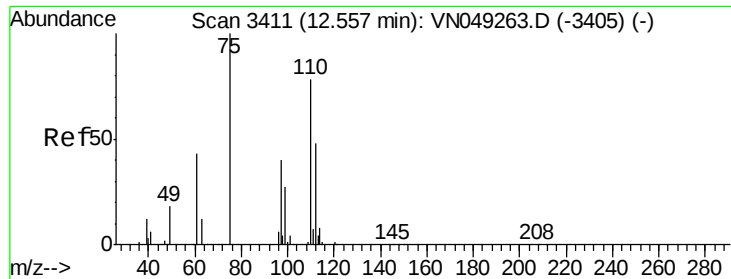
1000

500

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 1.07 ug/l

RT: 12.69 min Scan# 3453

Delta R.T. 0.14 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

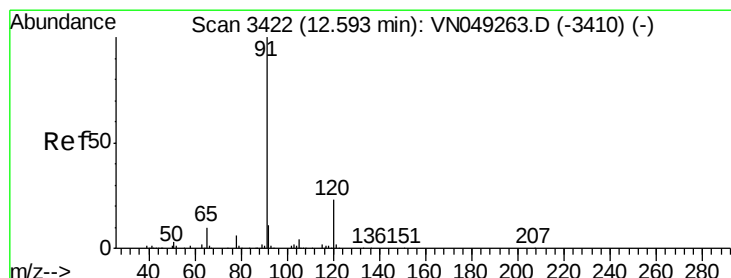
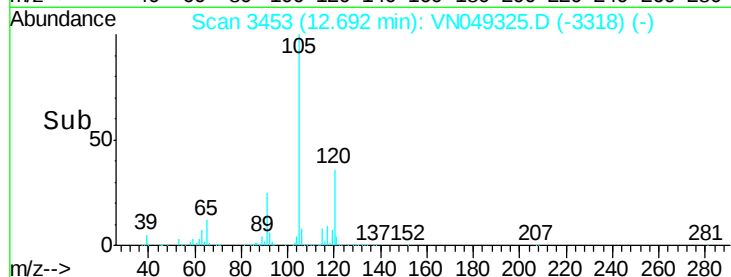
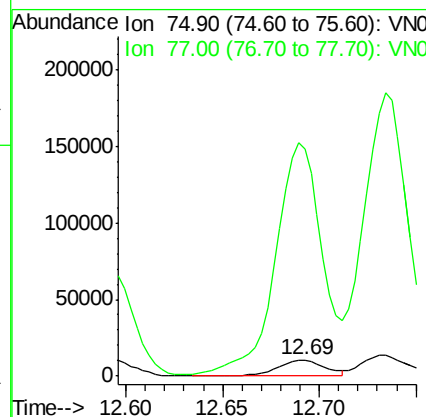
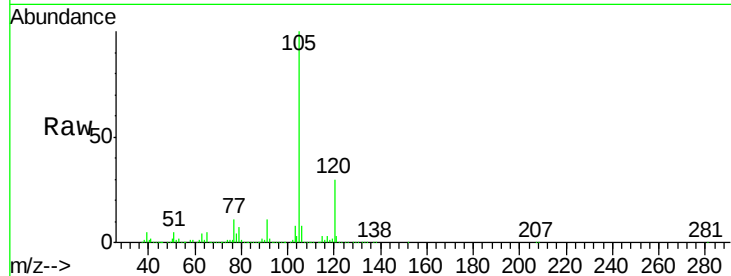
ClientSampled :

Tot Ion: 75 Resp: 18620

Ion Ratio Lower Upper

75 100

77 1361.7 0.0 0.0#



#78

n-propylbenzene

Concen: 29.11 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049325.D

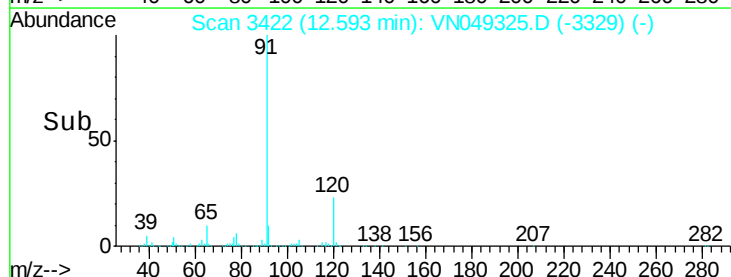
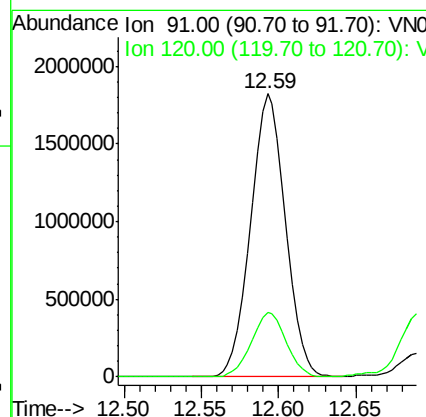
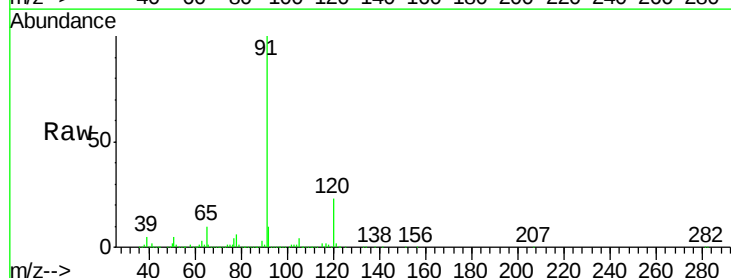
Acq: 16 Jun 2018 22:03

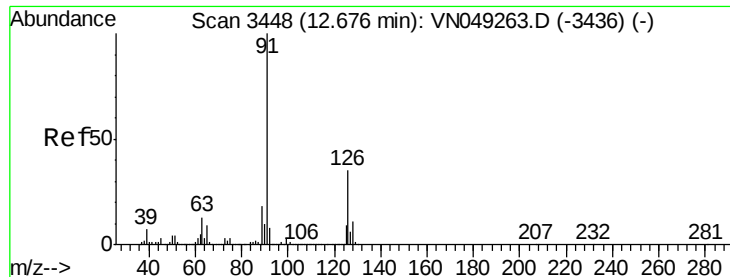
Tgt Ion: 91 Resp: 2862733

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5





#79

2-Chlorotoluene

Concen: 4.03 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

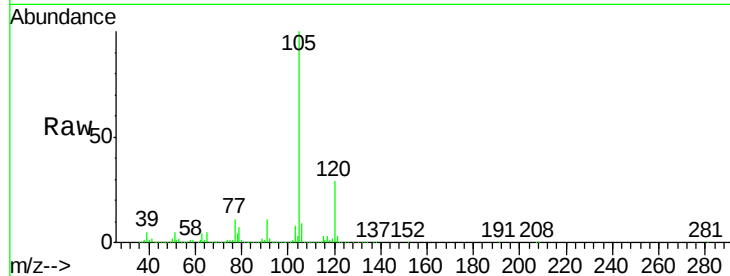
ClientSampleId :

Tot Ion: 91 Resp: 251079

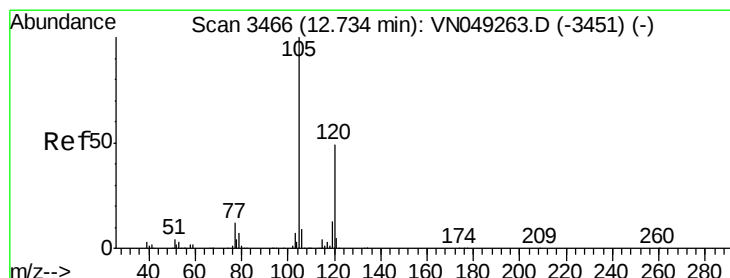
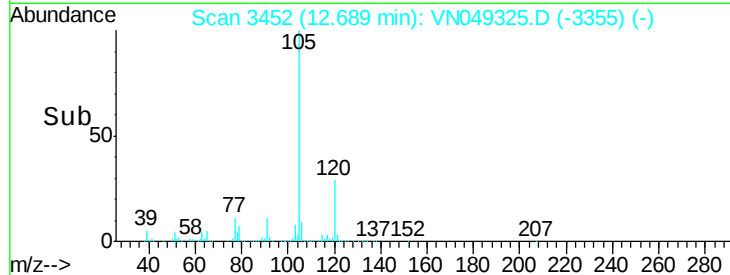
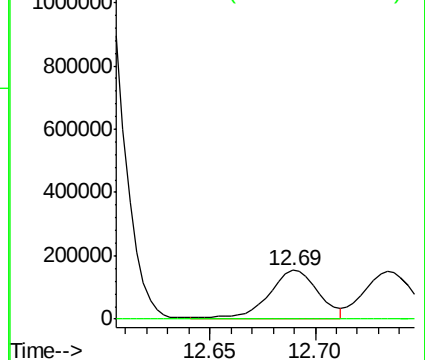
Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN049325.D (-3452) (-)



#80

1,3,5-Trimethylbenzene

Concen: 33.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049325.D

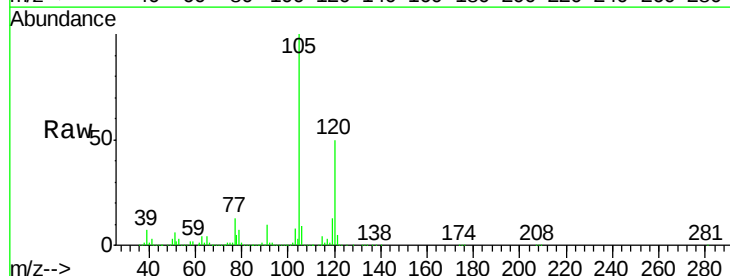
Acq: 16 Jun 2018 22:03

Tgt Ion: 105 Resp: 2333937

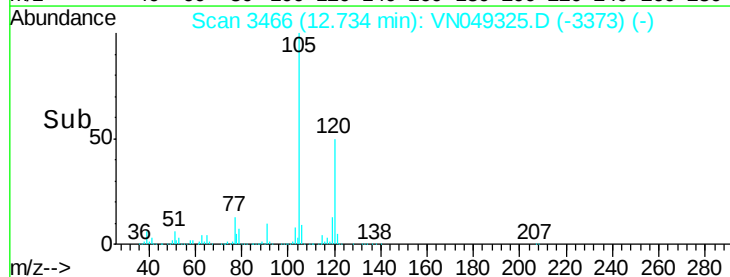
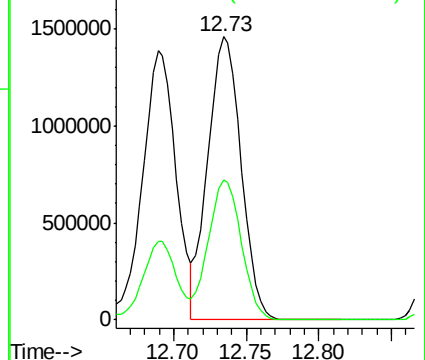
Ion Ratio Lower Upper

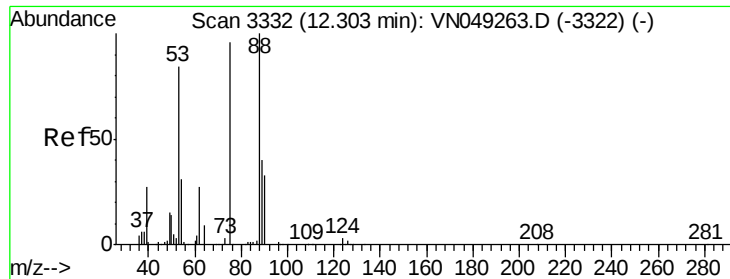
105 100

120 49.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049325.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.15 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.05 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

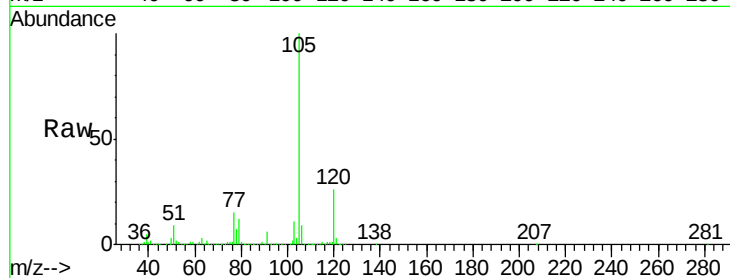
Tot Ion: 75 Resp: 22839

Ion Ratio Lower Upper

75 100

53 103.9 82.7 124.1

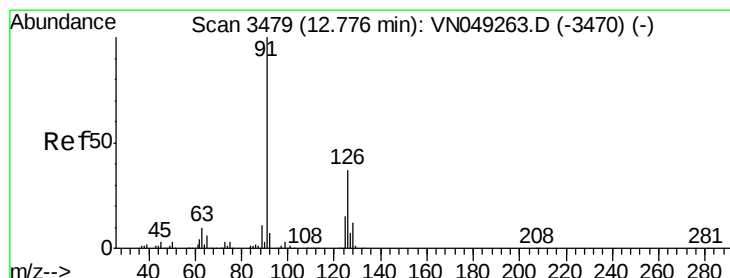
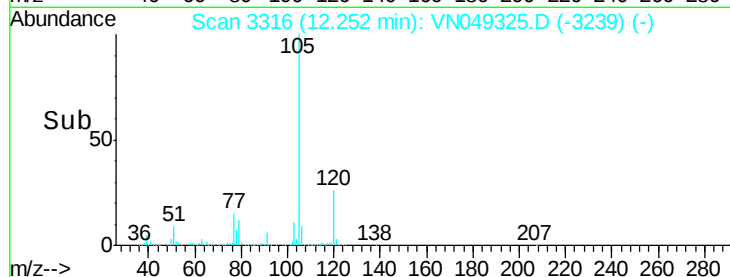
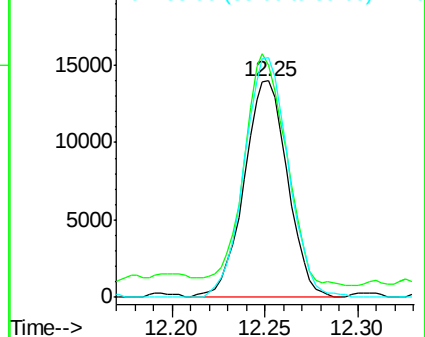
89 113.0 36.5 54.7#



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: 3.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049325.D

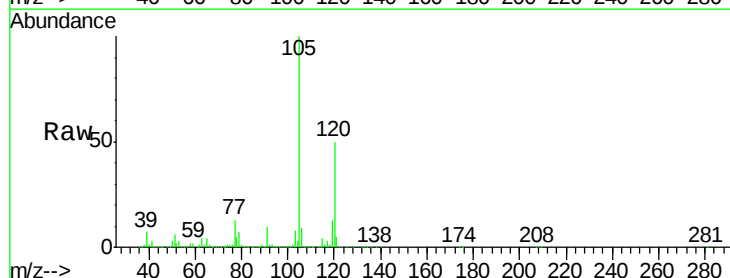
Acq: 16 Jun 2018 22:03

Tgt Ion: 91 Resp: 239879

Ion Ratio Lower Upper

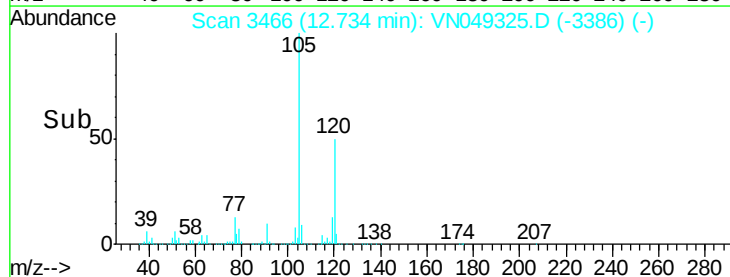
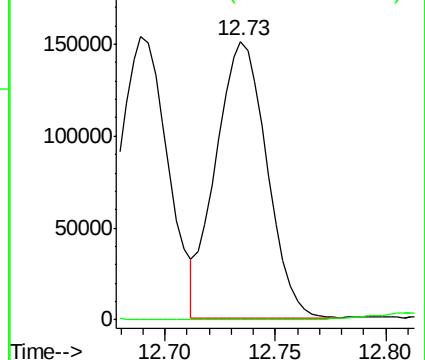
91 100

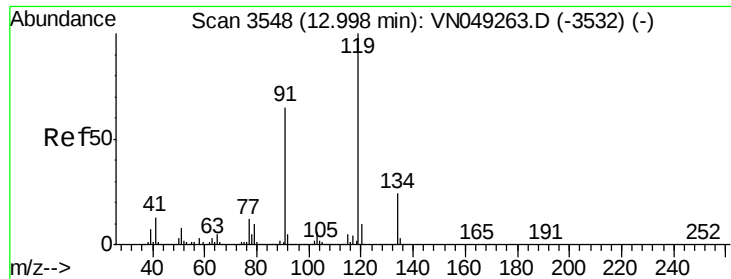
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.74 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

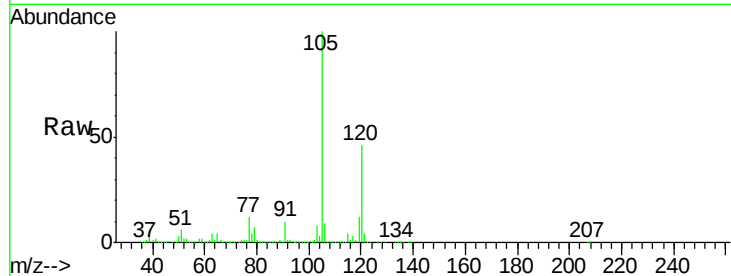
Tot Ion:119 Resp: 1169148

Ion Ratio Lower Upper

119 100

91 80.9 33.7 101.0

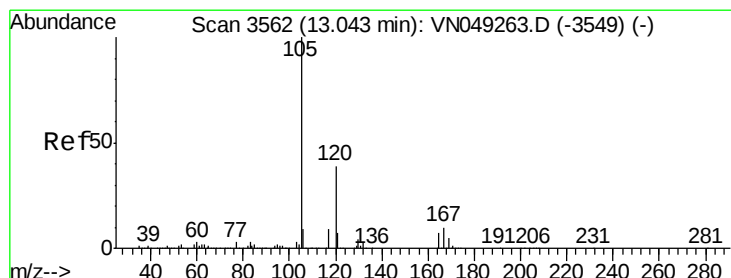
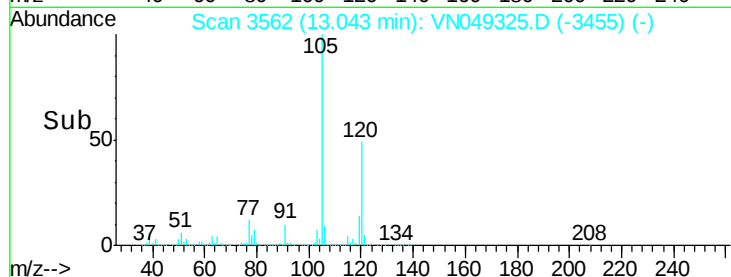
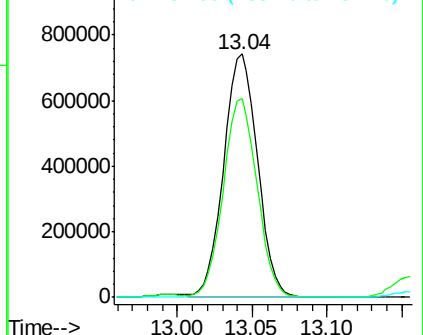
134 0.0 12.9 38.6#



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: 136.92 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049325.D

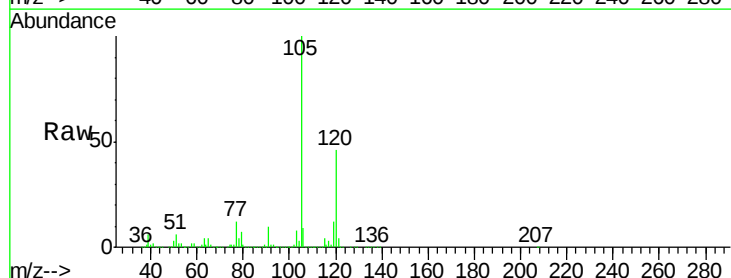
Acq: 16 Jun 2018 22:03

Tgt Ion:105 Resp: 9576630

Ion Ratio Lower Upper

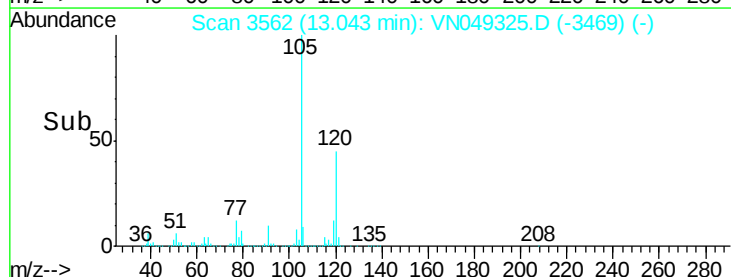
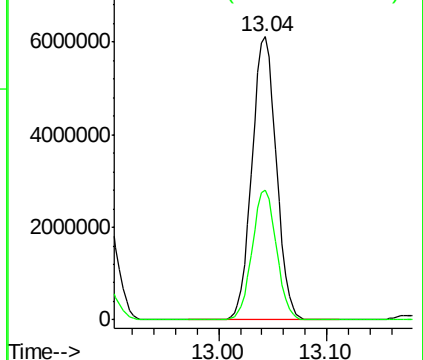
105 100

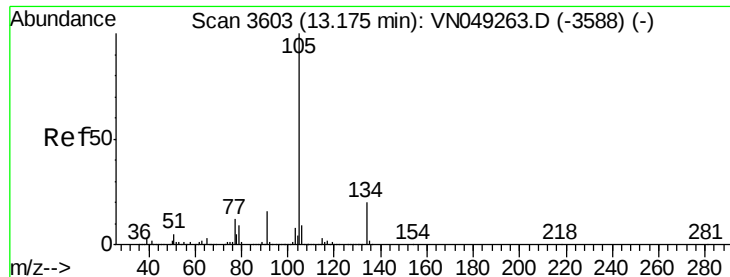
120 45.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 115.35 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Instrument :

MSVOA_N

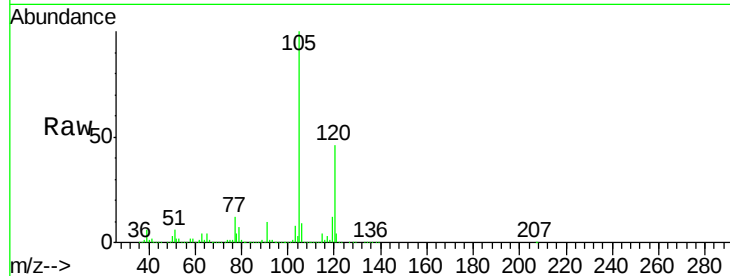
ClientSampleId :

Tot Ion:105 Resp: 9576630

Ion Ratio Lower Upper

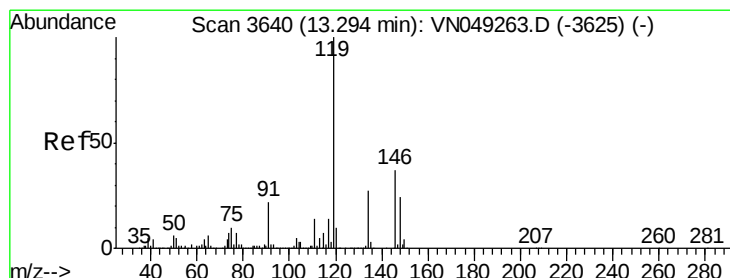
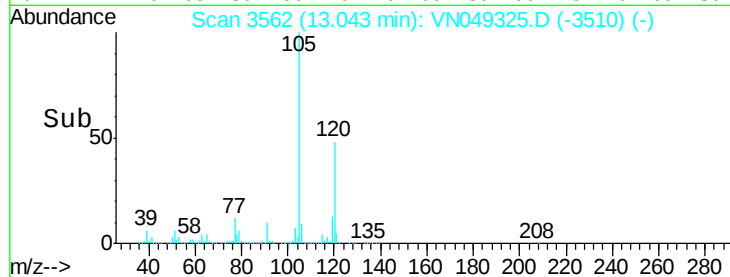
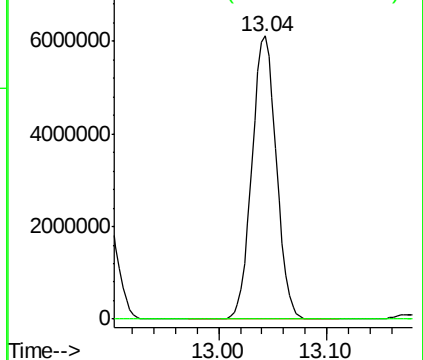
105 100

134 0.0 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: 1.86 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

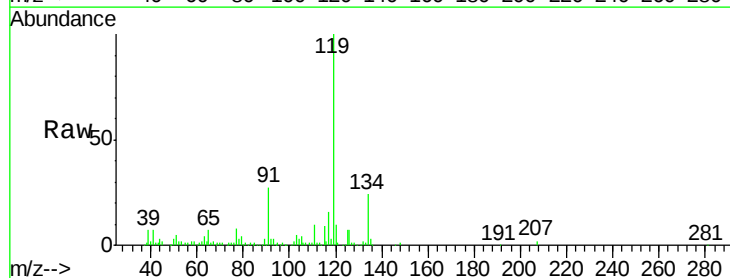
Tgt Ion:119 Resp: 129074

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

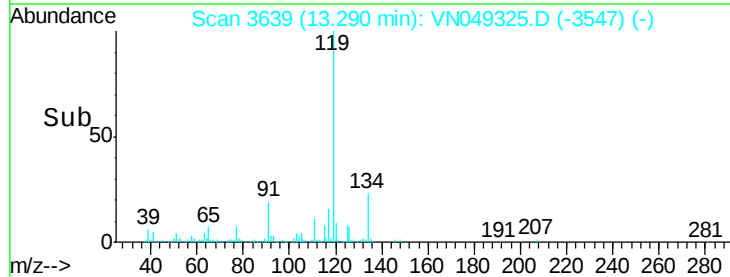
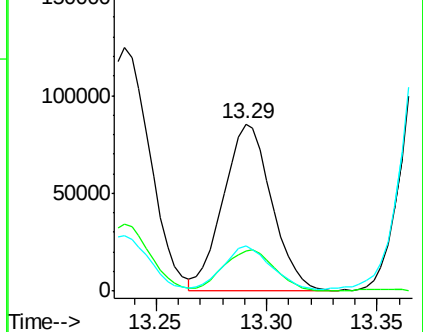
91 24.9 12.1 36.3

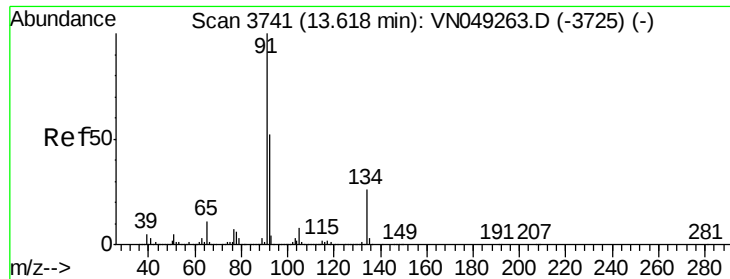


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

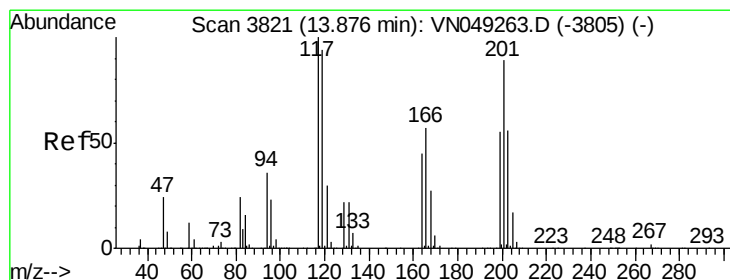
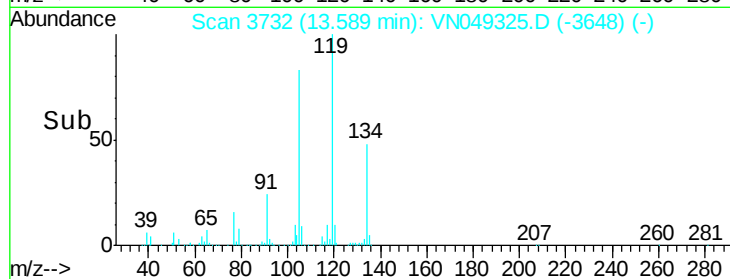
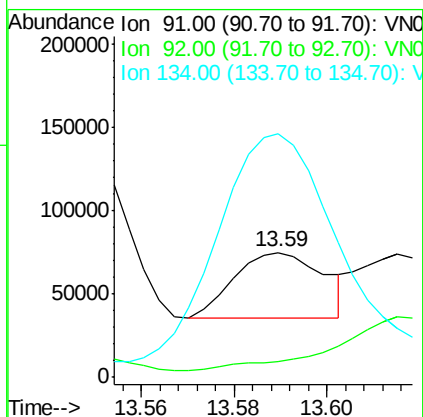
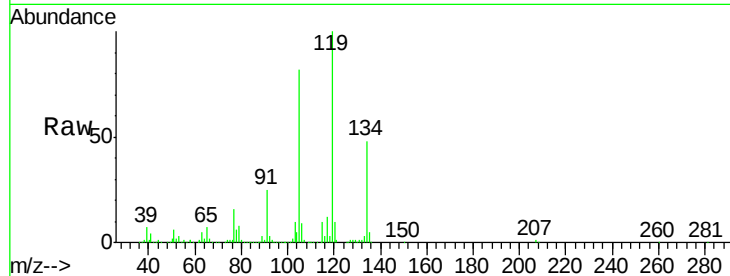




#89
n-Butylbenzene
Concen: 0.96 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. -0.03 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

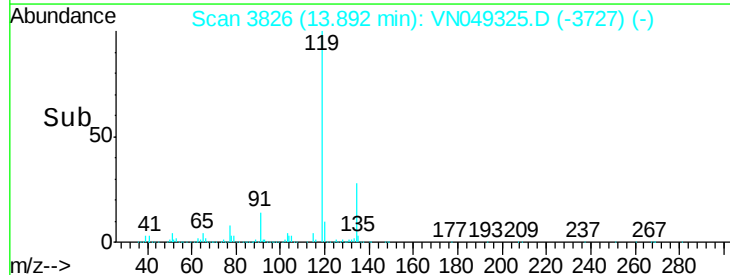
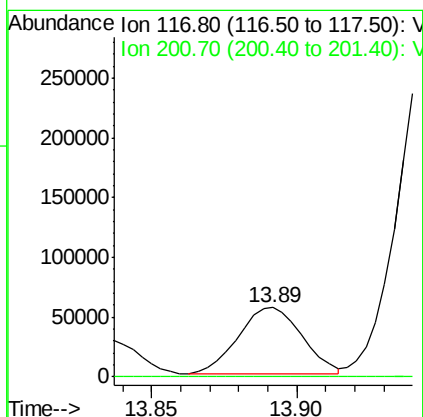
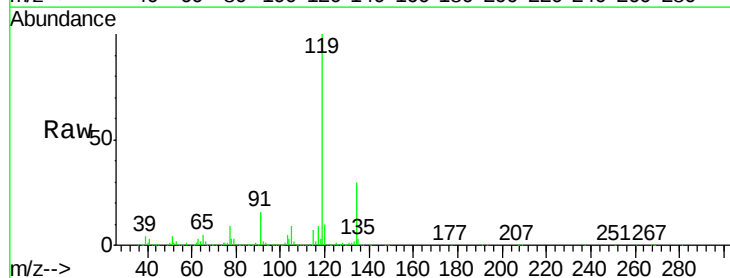
Instrument :
MSVOA_N
ClientSampled :

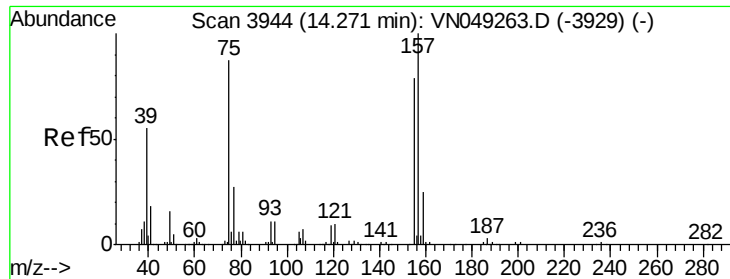
Tot Ion: 91 Resp: 52071
Ion Ratio Lower Upper
91 100
92 0.0 25.1 75.4#
134 539.2 12.0 36.0#



#90
Hexachloroethane
Concen: 4.86 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049325.D
Acq: 16 Jun 2018 22:03

Tgt Ion: 117 Resp: 83881
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

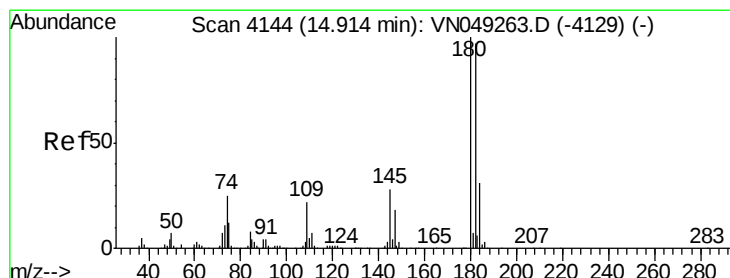
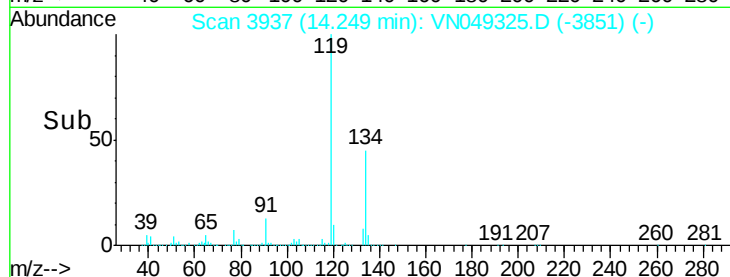
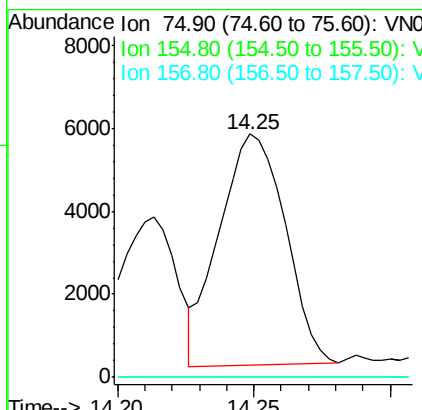
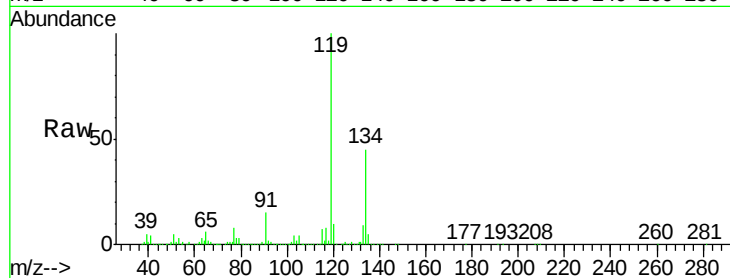




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.00 ug/l
 RT: 14.25 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

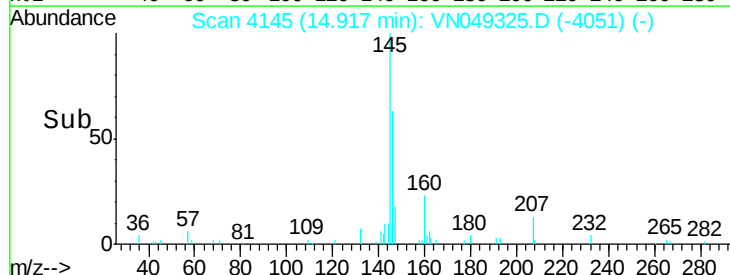
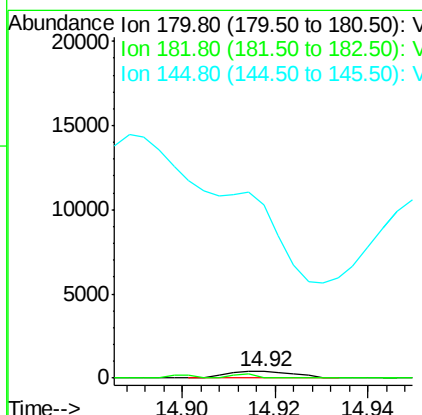
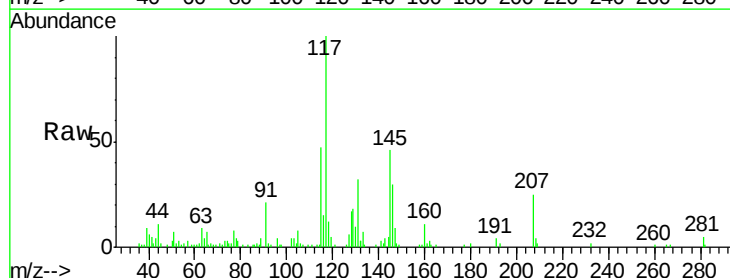
Instrument :
 MSVOA_N
 ClientSampleId :

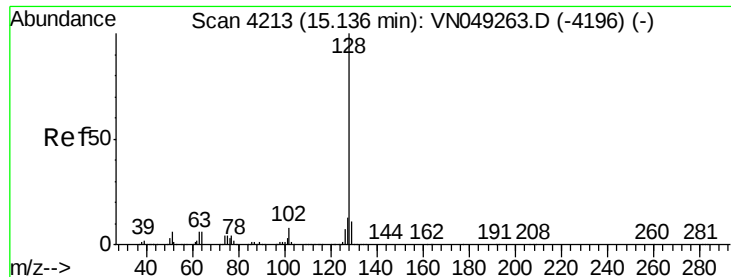
Tot Ion: 75 Resp: 9351
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.8 116.3#
 157 0.0 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.76 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN049325.D
 Acq: 16 Jun 2018 22:03

Tgt Ion: 180 Resp: 391
 Ion Ratio Lower Upper
 180 100
 182 21.2 46.9 140.8#
 145 0.0 14.7 44.1#





#95

Naphthalene

Concen: 6.42 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

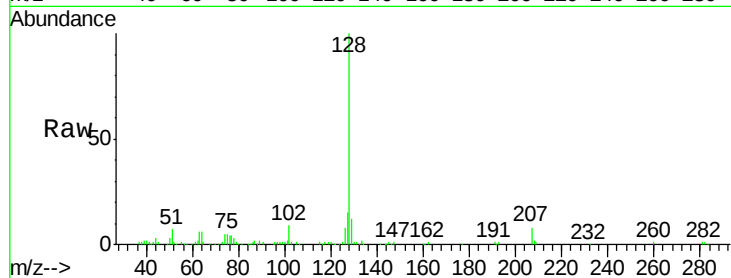
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 124275

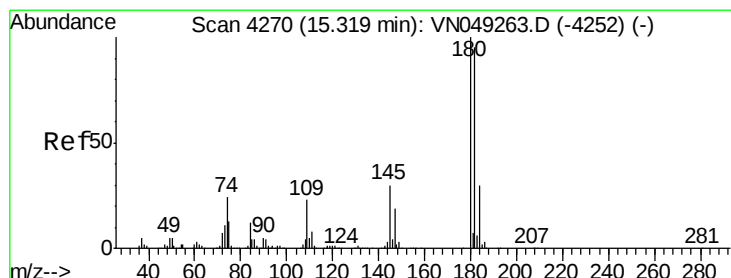
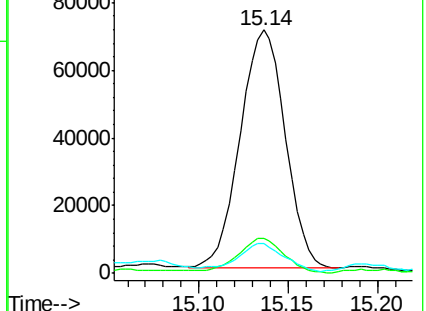
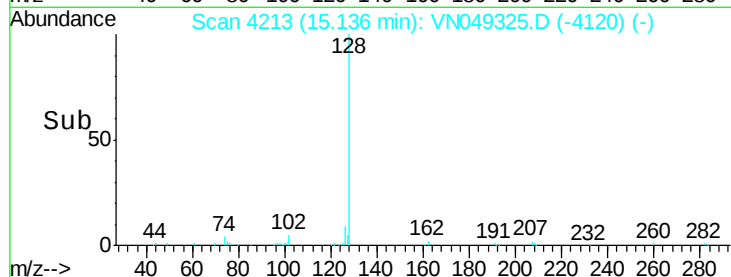
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	11.3	8.5	12.7



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: 3.47 ug/l

RT: 15.31 min Scan# 4266

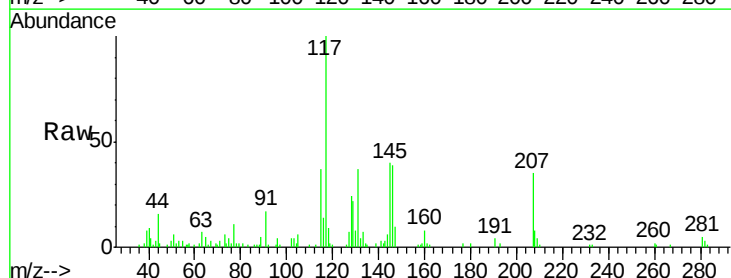
Delta R.T. -0.01 min

Lab File: VN049325.D

Acq: 16 Jun 2018 22:03

Tgt Ion:180 Resp: 275

Ion	Ratio	Lower	Upper
180	100		
182	10.9	47.3	141.8#
145	4698.2	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

