

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055502.D
 Acq On : 9 May 2019 17:19
 Operator : JC/SP
 Sample : K2751-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:14:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	926863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1562884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1301040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	446117	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	622293	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	
35) Dibromofluoromethane	7.59	113	466162	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	10.09	98	1892656	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	580249	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	271662	131.840	ug/l	100
13) Acrolein	3.61	56	3361	2.447	ug/l #	14
16) Acetone	3.82	43	1886154	291.893	ug/l	96
17) Carbon Disulfide	4.05	76	26172	0.947	ug/l #	92
18) Methyl Acetate	4.33	43	200468	13.987	ug/l	99
20) Methylene Chloride	4.55	84	27614	2.090	ug/l	98
22) Diisopropyl ether	6.07	45	583233	13.831	ug/l #	1
23) Vinyl Acetate	6.07	43	1303413	39.968	ug/l #	75
25) 2-Butanone	6.85	43	375373	42.053	ug/l	99
29) Tetrahydrofuran	7.24	42	1658	0.281	ug/l #	49
31) Cyclohexane	7.66	56	20277	0.900	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	73938	4.802	ug/l #	51
37) Ethyl Acetate	6.85	43	375373	22.349	ug/l #	70
38) Carbon Tetrachloride	7.66	117	87713	6.765	ug/l #	16
40) Benzene	8.04	78	111519	2.334	ug/l	95
43) Isopropyl Acetate	8.28	43	13742	0.539	ug/l #	63
48) Methyl methacrylate	9.20	41	14778	1.202	ug/l #	71
49) 1,4-Dioxane	9.20	88	1107	4.620	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	48083	2.865	ug/l	99
52) Toluene	10.16	92	85894	3.144	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	4652	0.319	ug/l	92
59) 2-Hexanone	10.76	43	16929	1.438	ug/l	93
67) Ethyl Benzene	11.51	91	11795	0.235	ug/l	98
68) m/p-Xylenes	11.62	106	17211	0.954	ug/l	97
69) o-Xylene	11.95	106	8190	0.462	ug/l	94
70) Styrene	11.96	104	6791	0.239	ug/l #	81
71) Bromoform	12.40	173	4622	0.743	ug/l #	1
73) Isopropylbenzene	12.25	105	1841	Below Cal		94
74) N-amyl acetate	12.03	43	35533	2.098	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.52	83	771	Below Cal	#	91
76) 1,2,3-Trichloropropane	12.40	75	290707	23.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	290707	88.323	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	15623	0.477	ug/l	96
93) 1,2,4-Trichlorobenzene	14.90	180	1813	3.462	ug/l	92

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QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

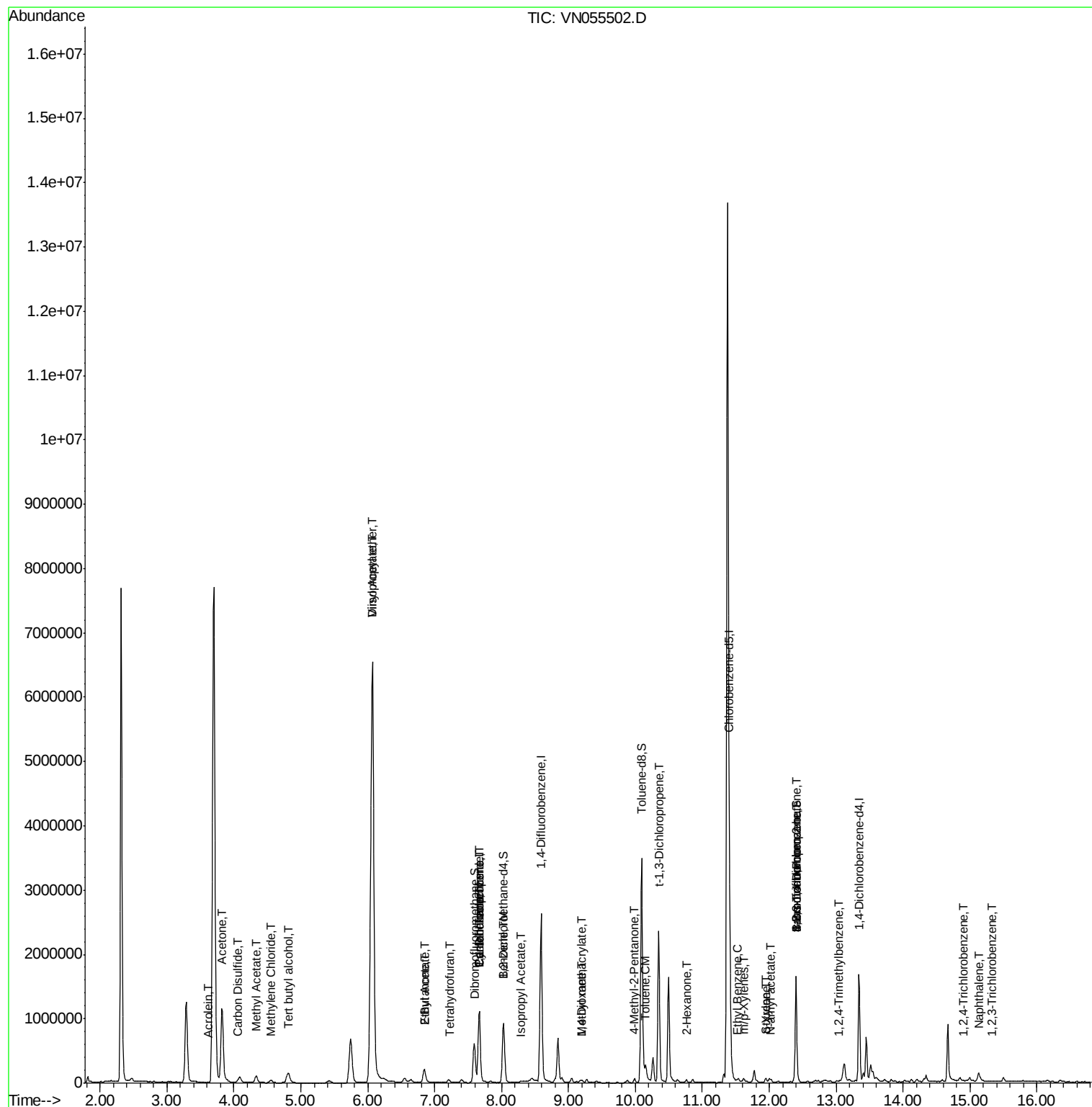
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	356	Below Cal	#	12
95) Naphthalene	15.13	128	96397	7.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	2255	2.723	ug/l	96

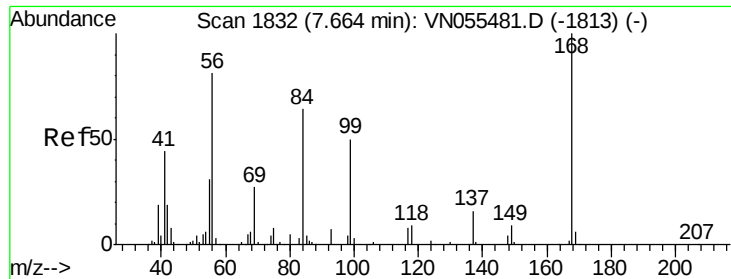
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

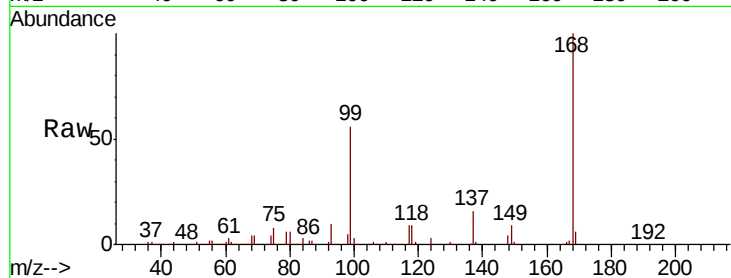
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 926863

Ion Ratio Lower Upper

168 100

99 56.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

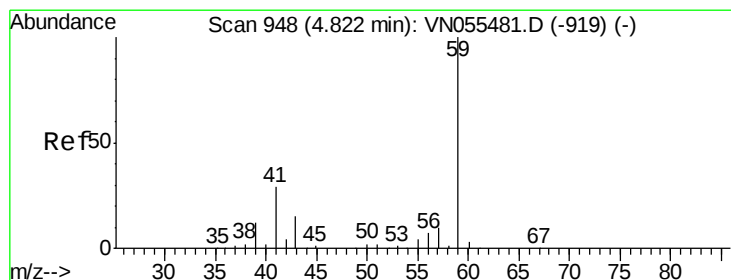
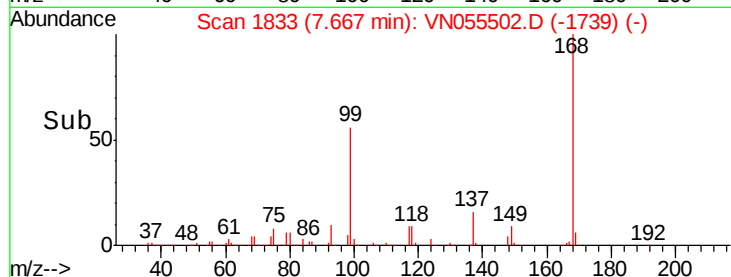
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 131.840 ug/l

RT: 4.81 min Scan# 945

Delta R.T. -0.01 min

Lab File: VN055502.D

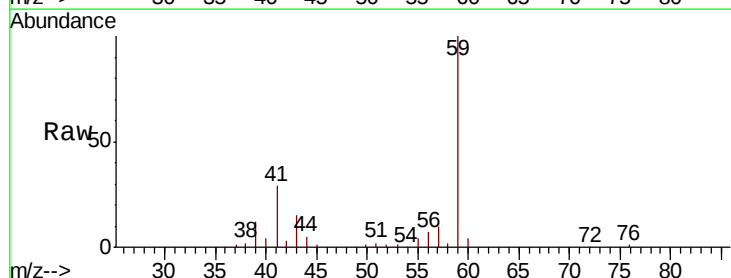
Acq: 9 May 2019 17:19

Tgt Ion: 59 Resp: 271662

Ion Ratio Lower Upper

59 100

57 10.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.81

80000

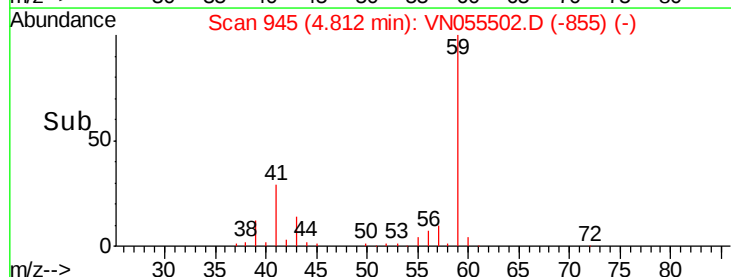
60000

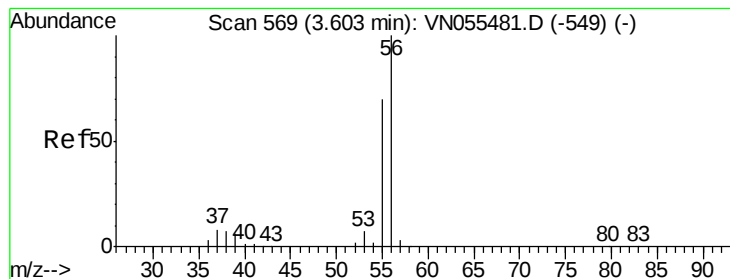
40000

20000

0

Time-->





#13

Acrolein

Concen: 2.447 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

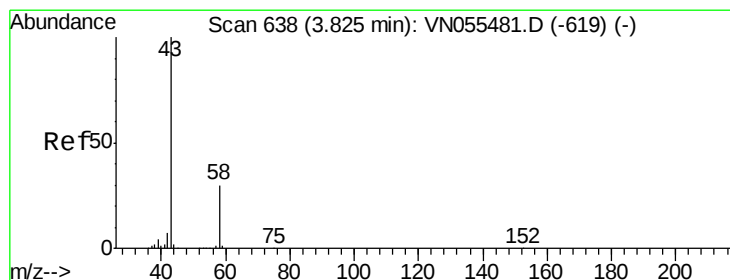
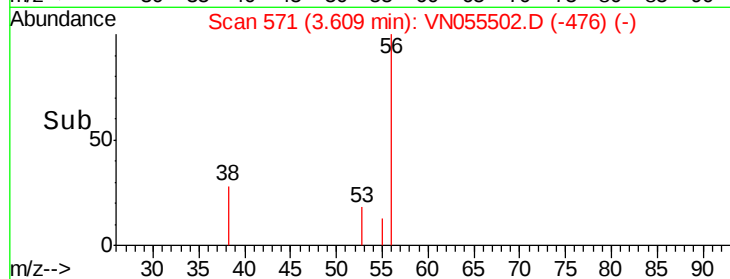
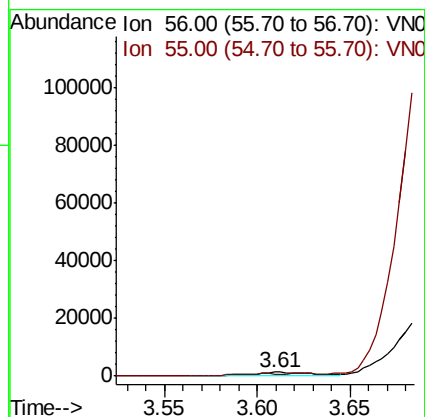
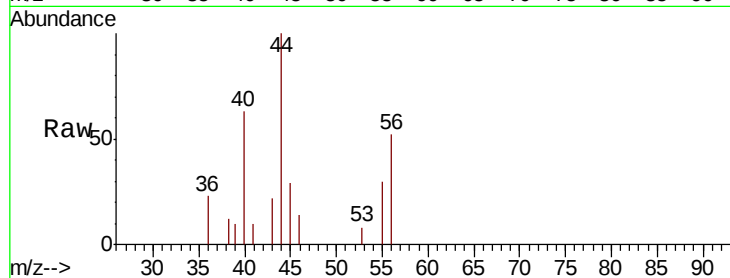
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3361

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



#16

Acetone

Concen: 291.893 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055502.D

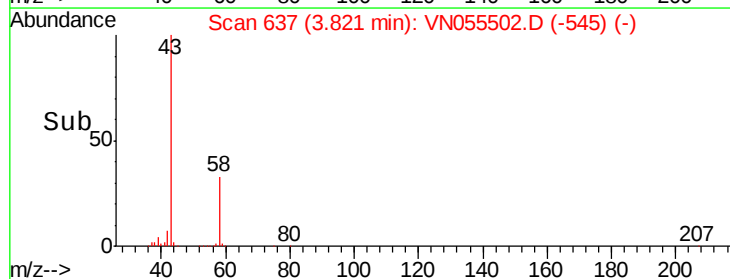
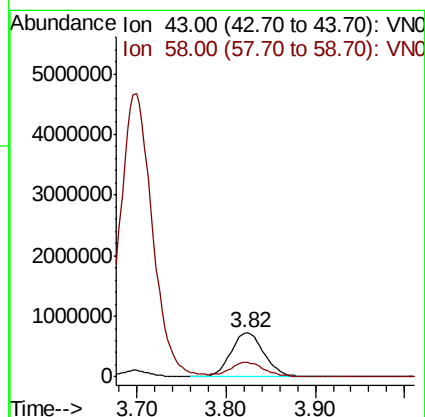
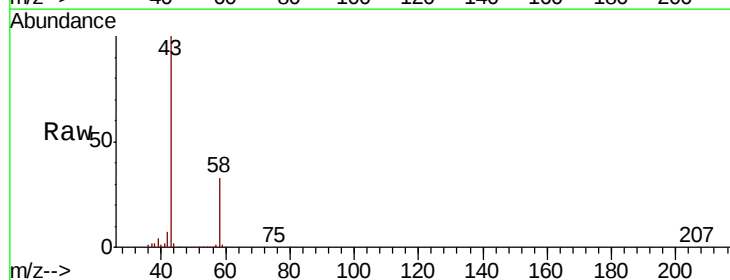
Acq: 9 May 2019 17:19

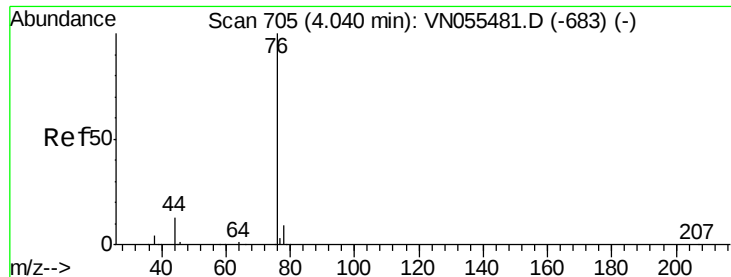
Tgt Ion: 43 Resp: 1886154

Ion Ratio Lower Upper

43 100

58 32.2 24.2 36.2





#17

Carbon Disulfide

Concen: 0.947 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

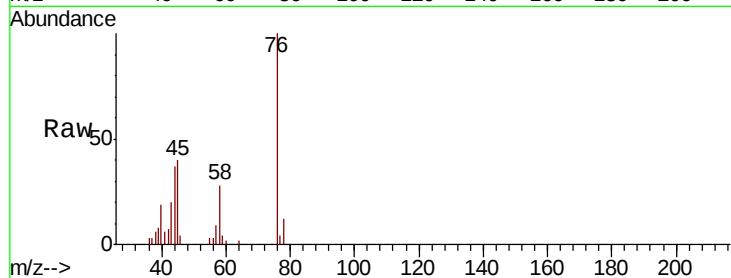
ClientSampled :

Tot Ion: 76 Resp: 26172

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

10000

8000

6000

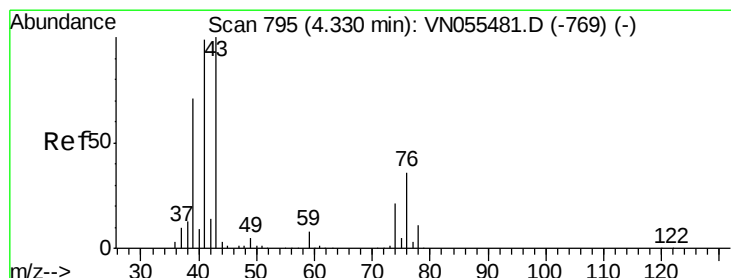
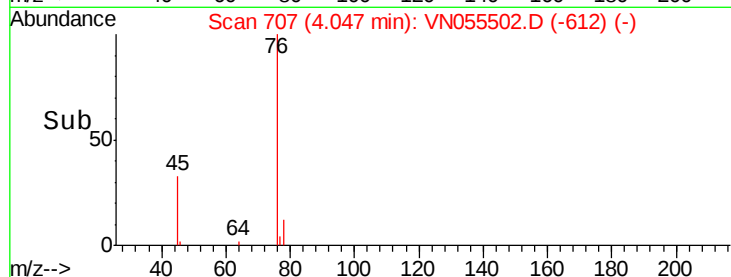
4000

2000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#18

Methyl Acetate

Concen: 13.987 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055502.D

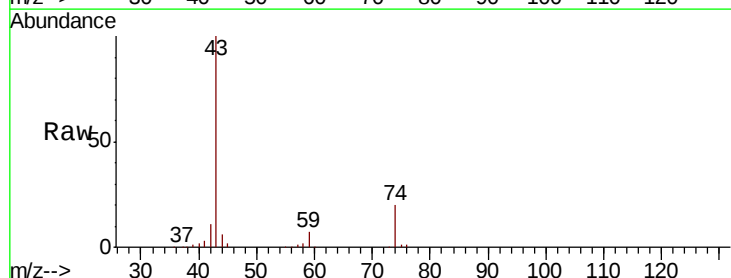
Acq: 9 May 2019 17:19

Tgt Ion: 43 Resp: 200468

Ion Ratio Lower Upper

43 100

74 20.7 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

60000

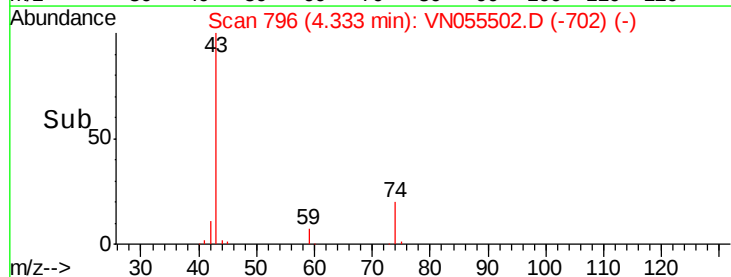
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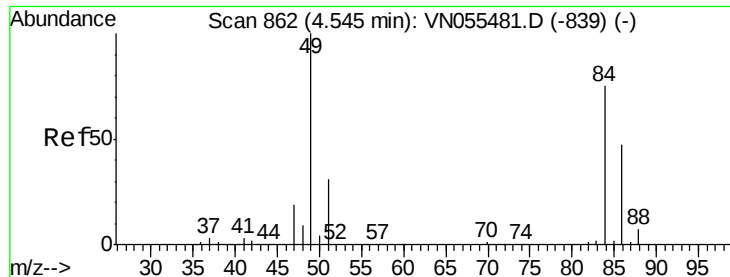
20000

0

Time-->

4.20 4.30 4.40

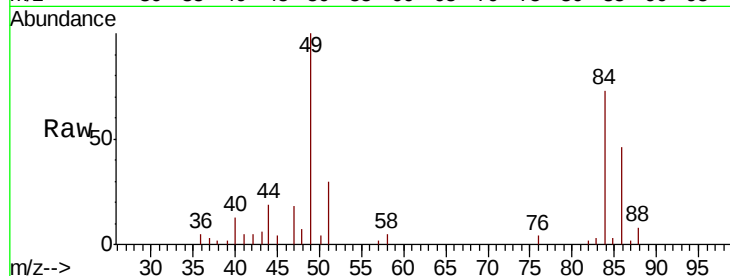




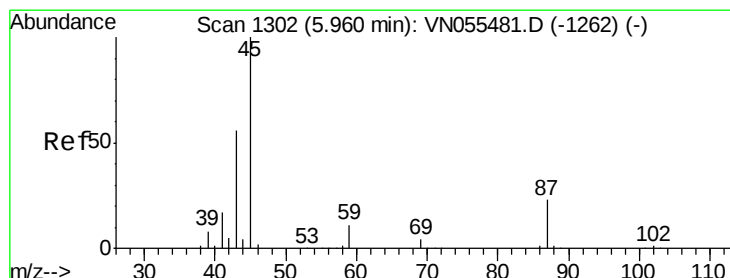
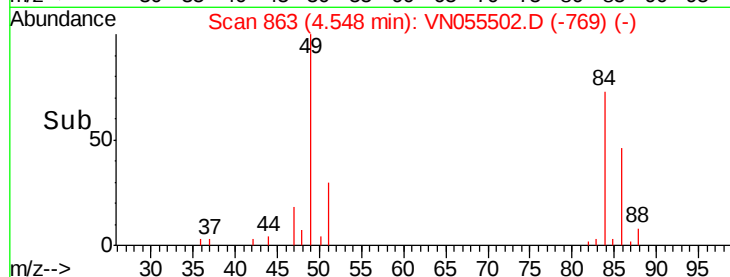
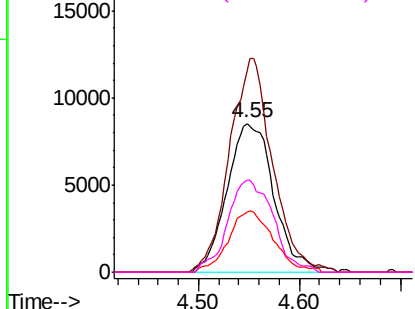
#20
Methvlene Chloride
Concen: 2.090 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 27614
Ion Ratio Lower Upper
84 100
49 136.5 107.0 160.6
51 40.3 33.0 49.4
86 62.3 50.6 76.0

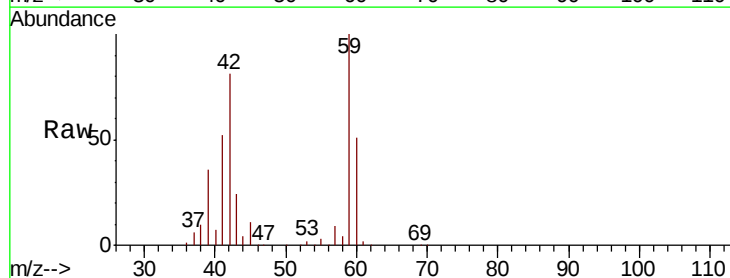


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

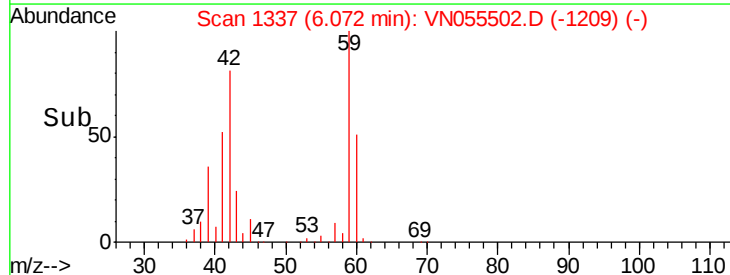
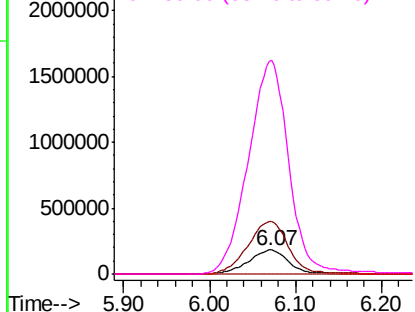


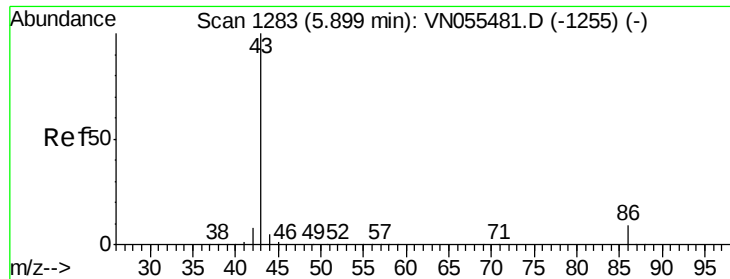
#22
Diisopropyl ether
Concen: 13.831 ug/l
RT: 6.07 min Scan# 1337
Delta R.T. 0.11 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 45 Resp: 583233
Ion Ratio Lower Upper
45 100
43 216.9 44.6 66.8#
87 0.0 18.6 28.0#
59 891.9 8.6 12.8#



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

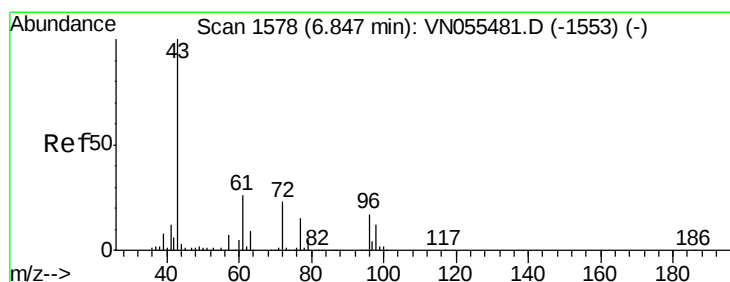
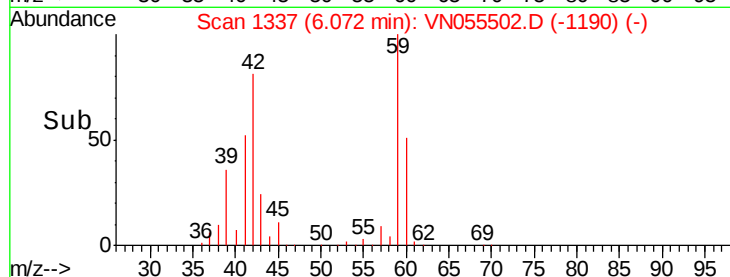
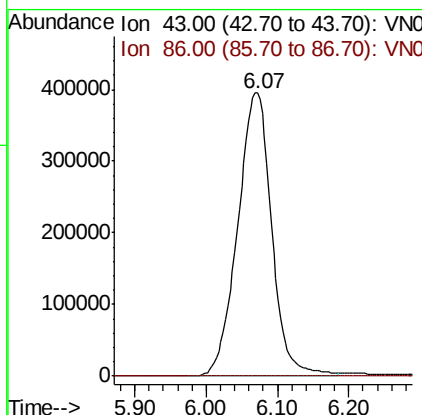
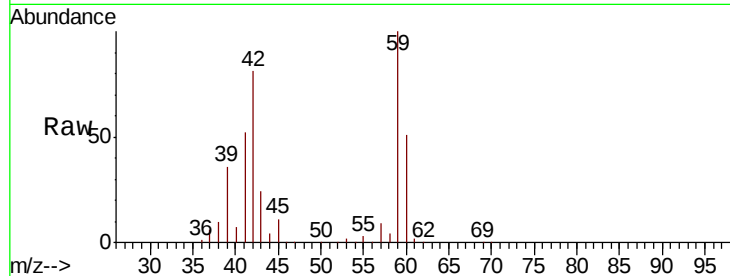




#23
 Vinyl Acetate
 Concen: 39.968 ug/l
 RT: 6.07 min Scan# 1337
 Delta R.T. 0.17 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

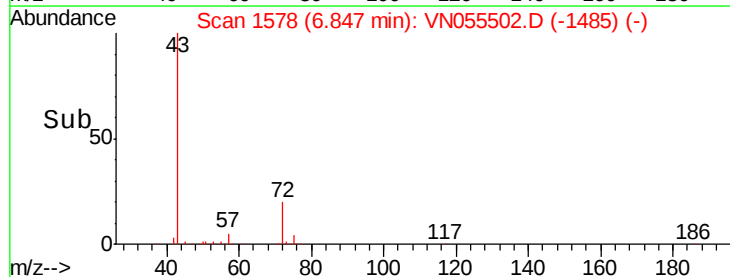
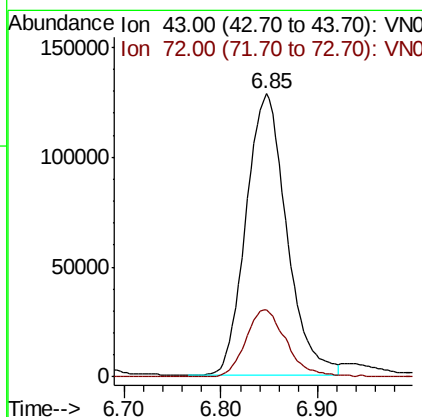
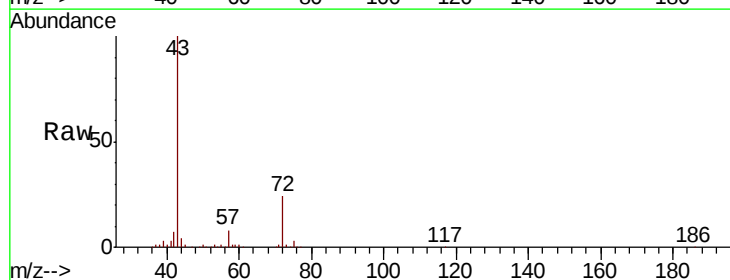
Instrument :
 MSVOA_N
 ClientSampled :

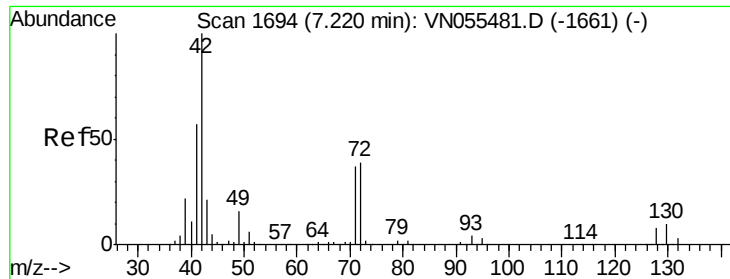
Tot Ion: 43 Resp: 1303413
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 42.053 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

Tgt Ion: 43 Resp: 375373
 Ion Ratio Lower Upper
 43 100
 72 23.9 18.6 27.8





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

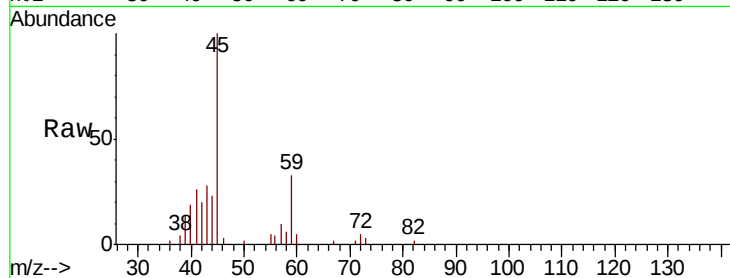
Tot Ion: 42 Resp: 1658

Ion Ratio Lower Upper

42 100

72 0.0 31.0 46.6#

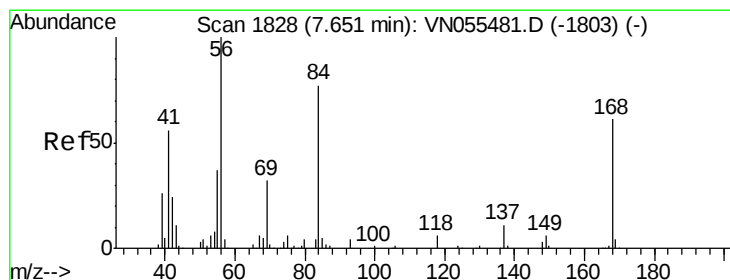
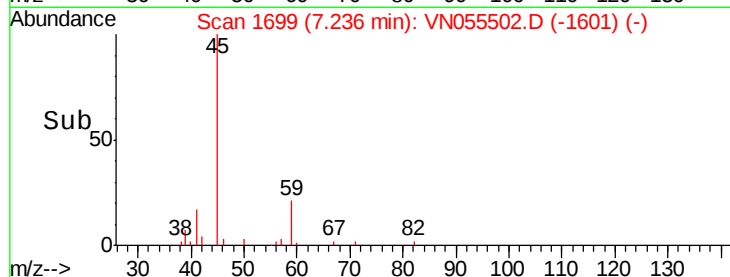
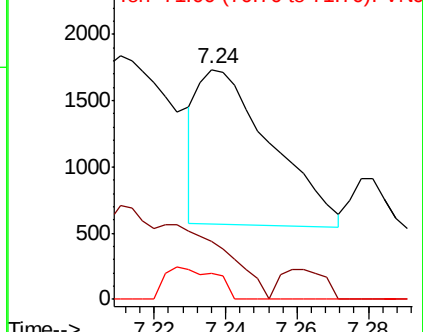
71 14.2 29.4 44.2#



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



#31

Cyclohexane

Concen: 0.900 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

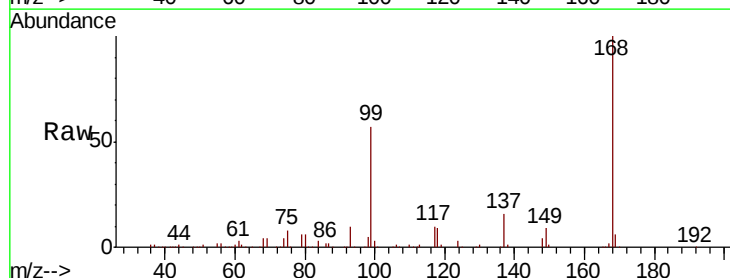
Tgt Ion: 56 Resp: 20277

Ion Ratio Lower Upper

56 100

69 183.3 26.0 39.0#

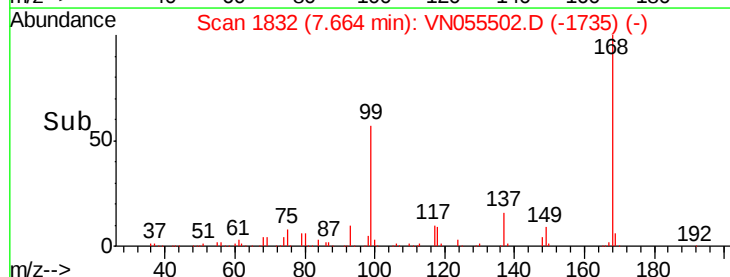
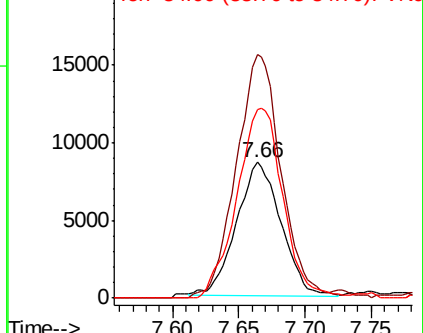
84 141.9 61.9 92.9#

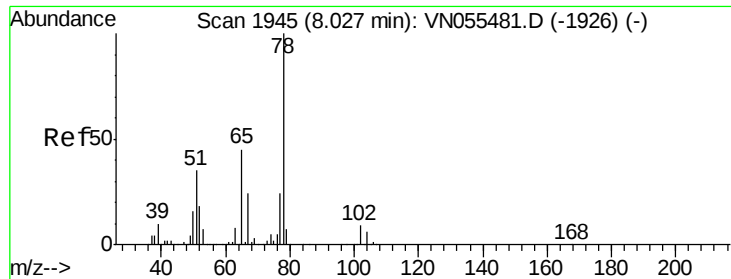


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

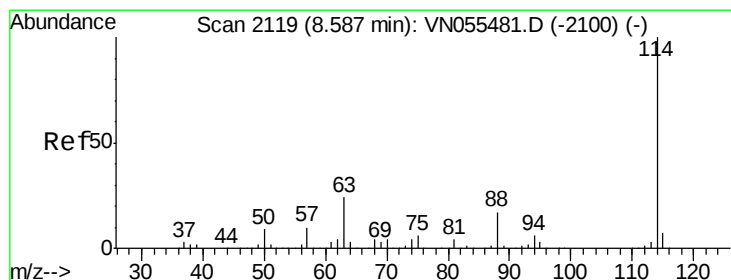
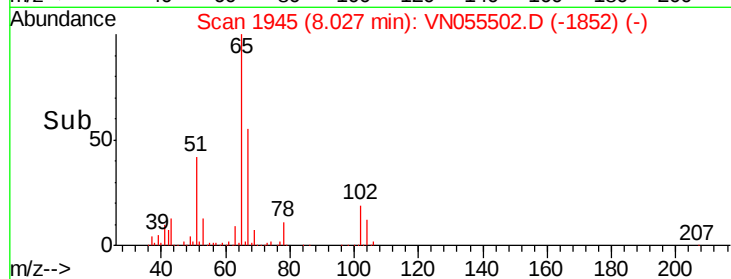
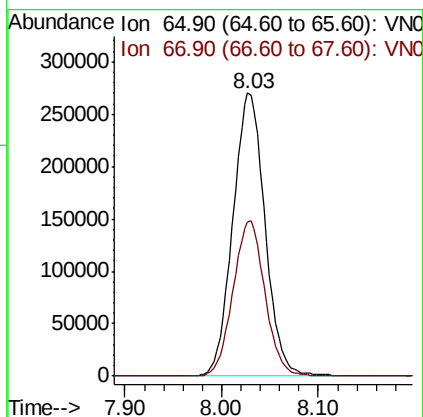
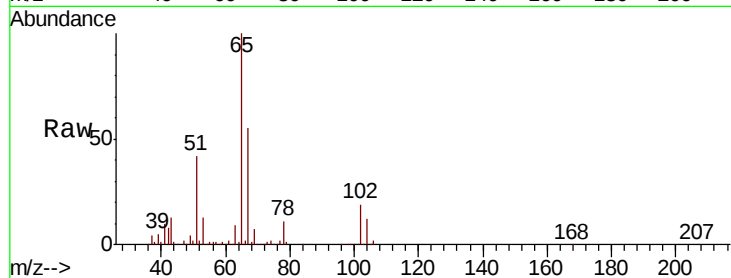




#33
 1,2-Dichloroethane-d4
 Concen: 44.591 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

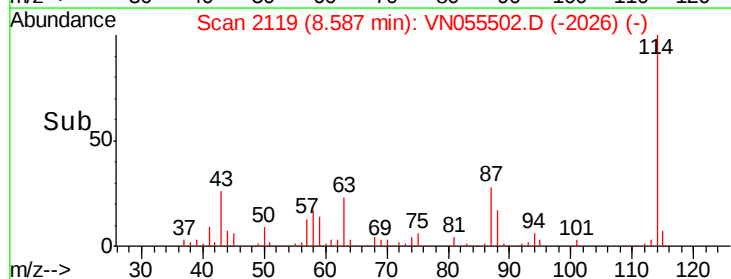
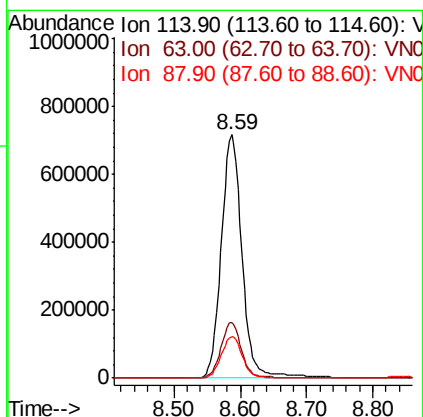
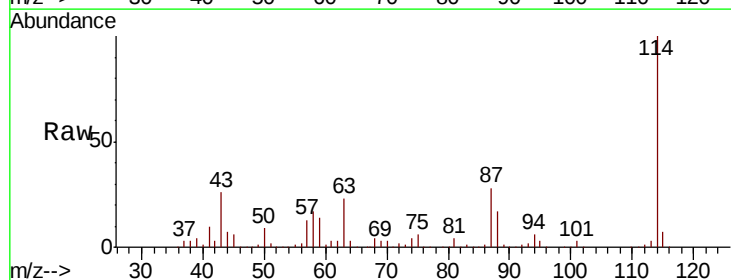
Instrument :
 MSVOA_N
 ClientSampleId :

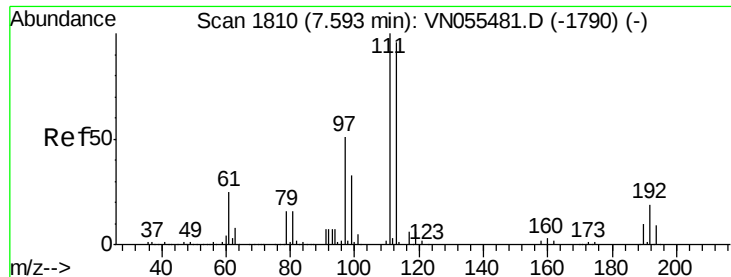
Tot Ion: 65 Resp: 622293
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

Tgt Ion:114 Resp: 1562884
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 17.2 0.0 34.0

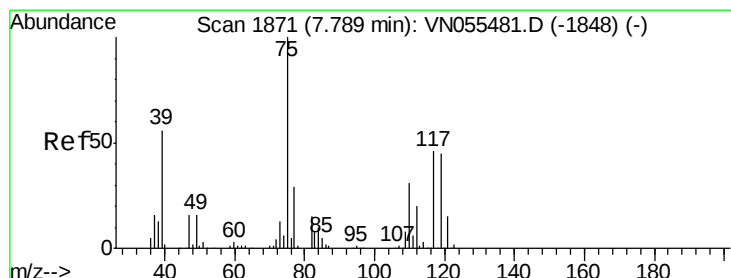
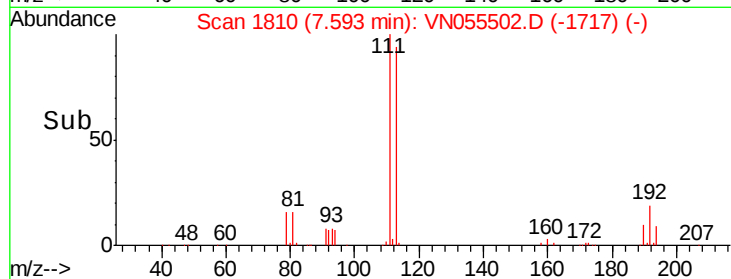
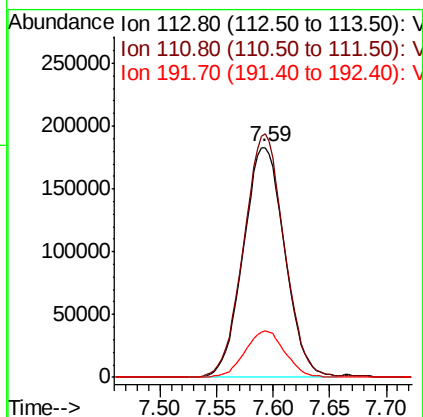
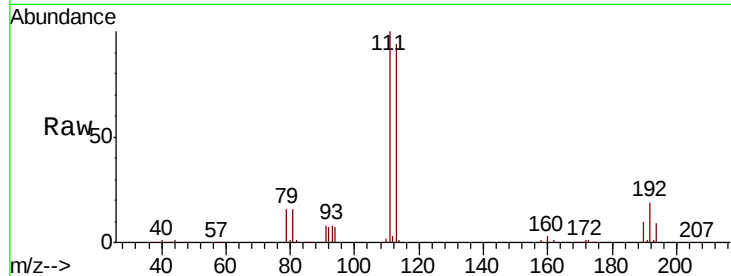




#35
 Dibromofluoromethane
 Concen: 46.238 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

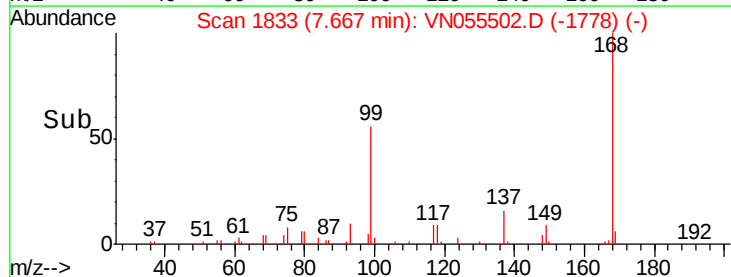
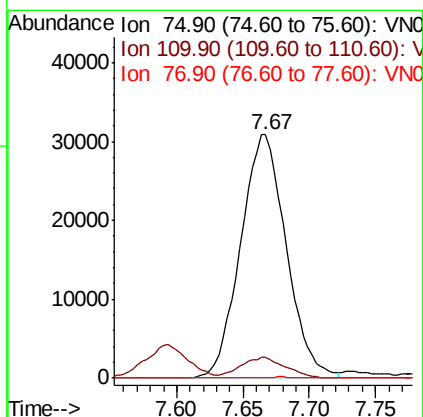
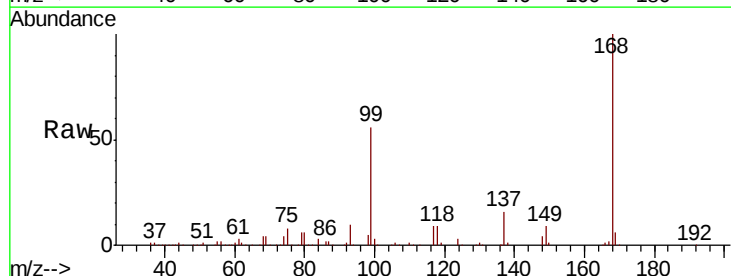
Instrument :
 MSVOA_N
 ClientSampled :

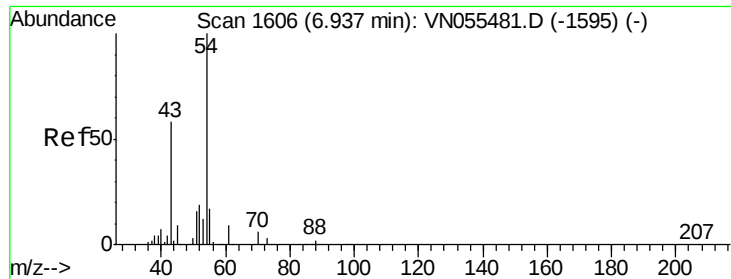
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	19.6	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.1	48.3#
77	0.0	24.6	37.0#

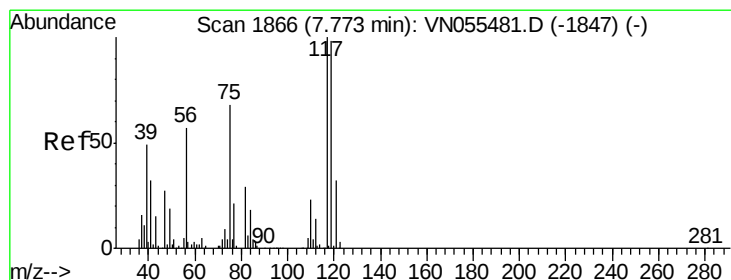
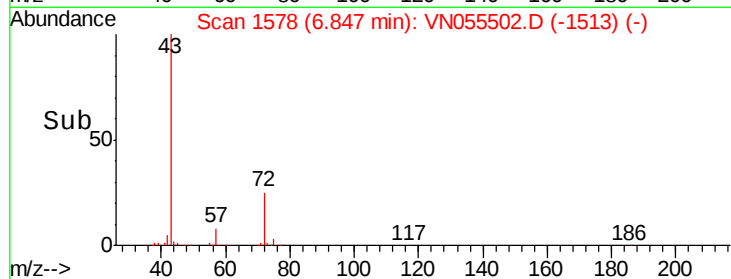
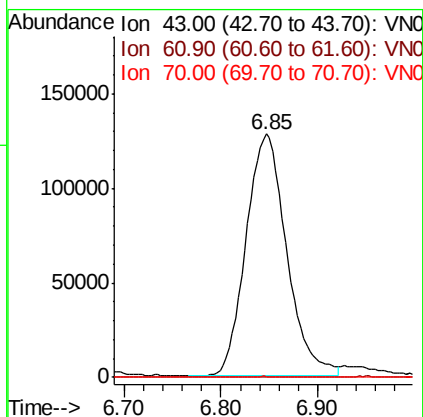
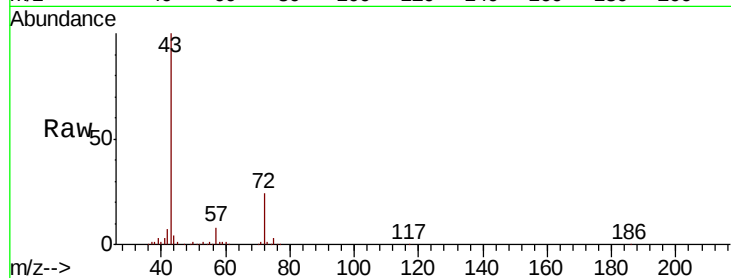




#37
Ethyl Acetate
Concen: 22.349 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.09 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

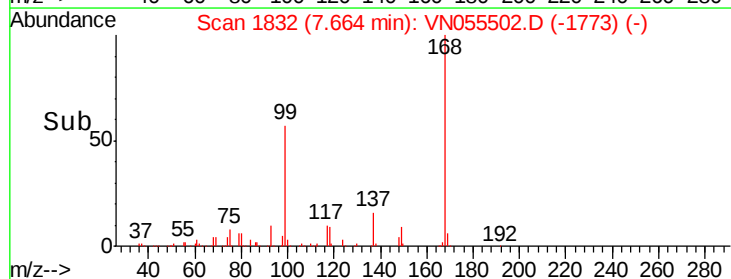
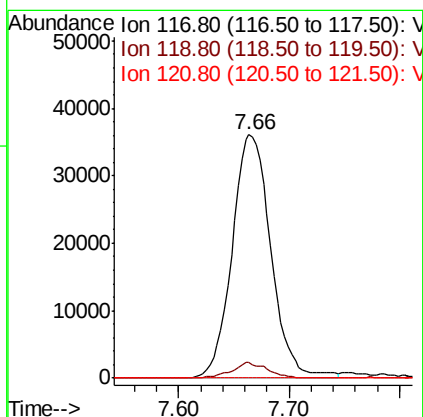
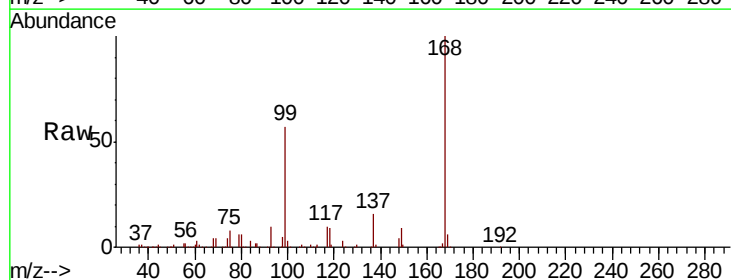
Instrument :
MSVOA_N
ClientSampleId :

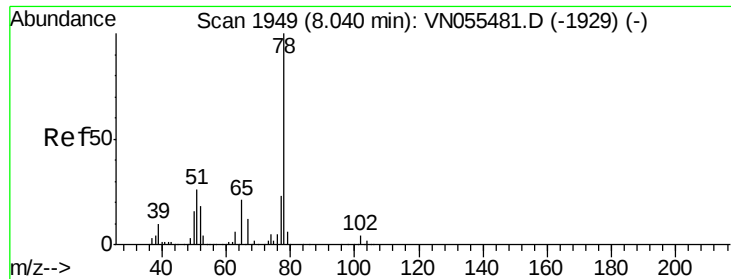
Tot Ion: 43 Resp: 375373
Ion Ratio Lower Upper
43 100
61 0.1 10.9 16.3#
70 0.1 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 6.765 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 117 Resp: 87713
Ion Ratio Lower Upper
117 100
119 6.3 77.8 116.6#
121 0.0 25.2 37.8#

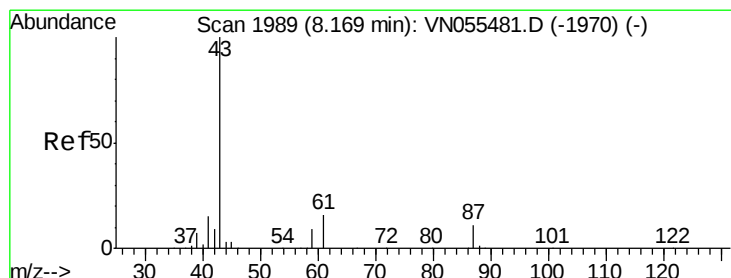
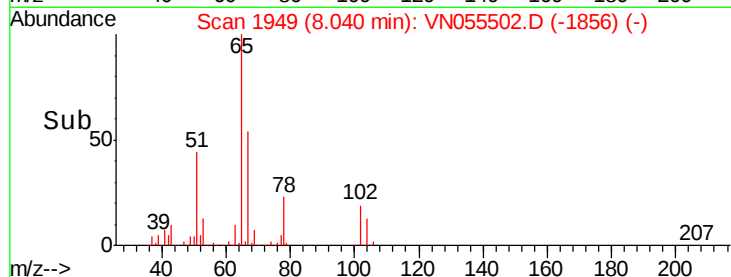
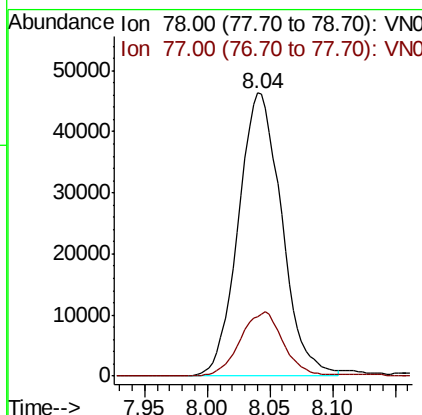
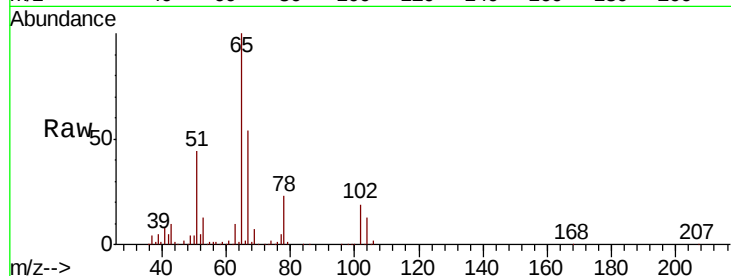




#40
Benzene
Concen: 2.334 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

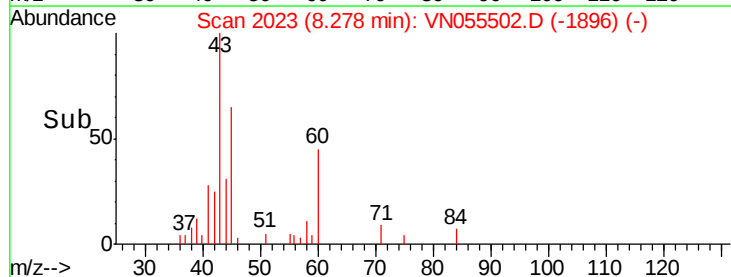
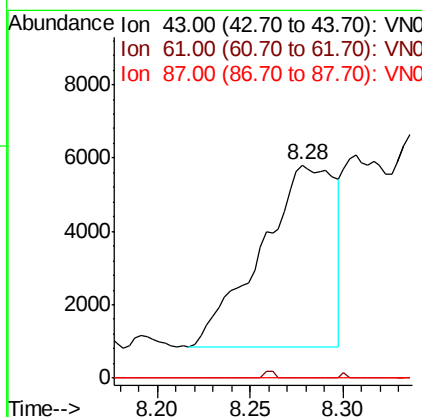
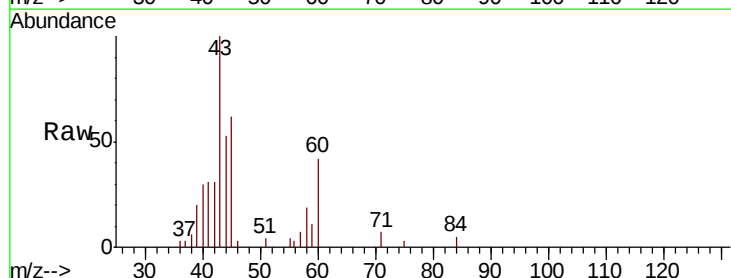
Instrument :
MSVOA_N
ClientSampled :

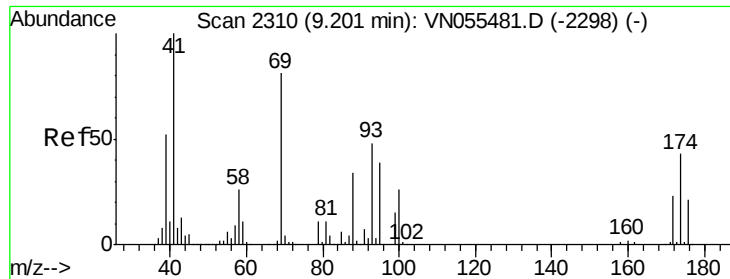
Tot Ion: 78 Resp: 111519
Ion Ratio Lower Upper
78 100
77 20.9 18.6 27.8



#43
Isopropyl Acetate
Concen: 0.539 ug/l
RT: 8.28 min Scan# 2023
Delta R.T. 0.11 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 43 Resp: 13742
Ion Ratio Lower Upper
43 100
61 0.0 15.1 22.7#
87 0.0 9.0 13.6#

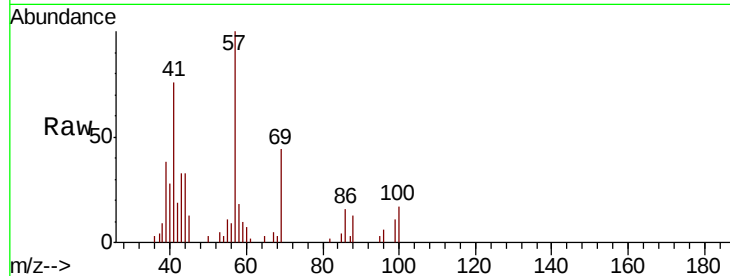




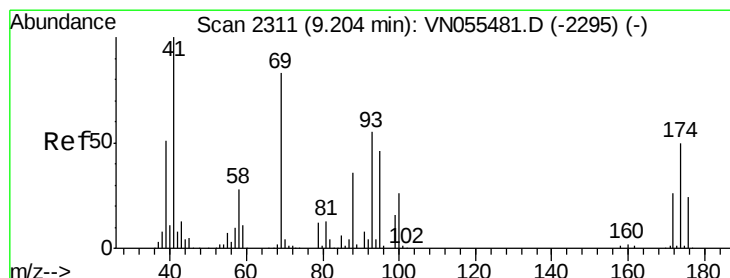
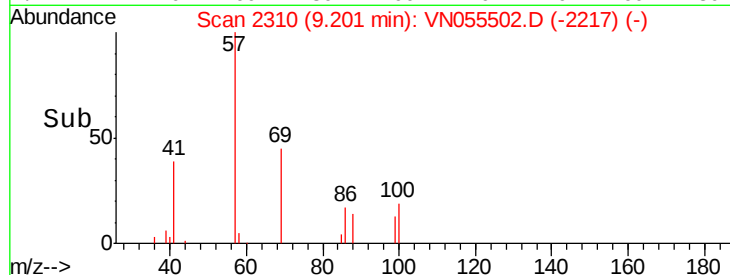
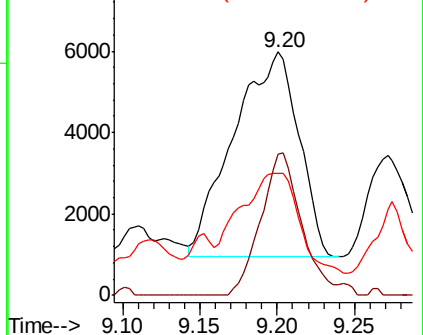
#48
Methvl methacrylate
Concen: 1.202 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 14778
Ion Ratio Lower Upper
41 100
69 43.2 64.2 96.2#
39 45.8 41.6 62.4

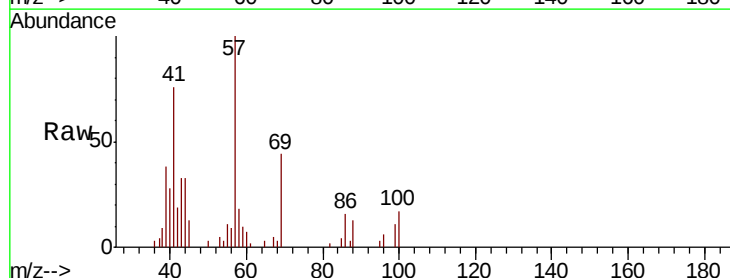


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

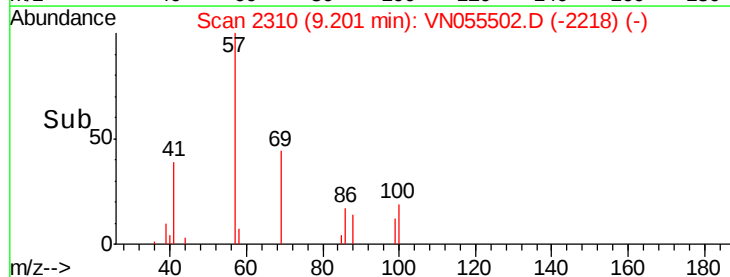
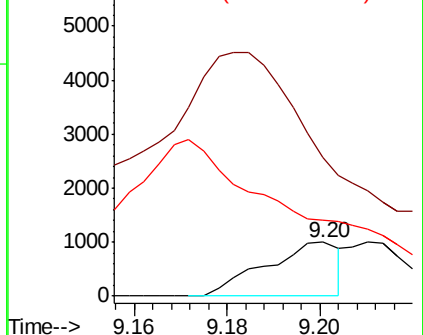


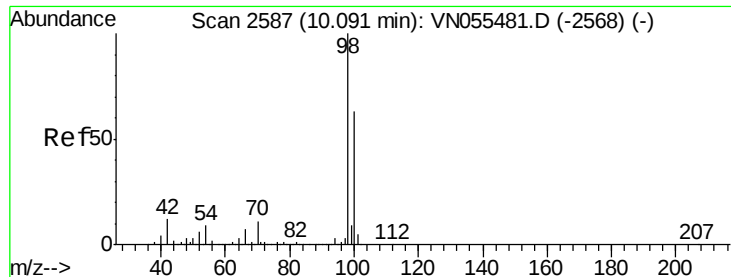
#49
1,4-Dioxane
Concen: 4.620 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 88 Resp: 1107
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 0.0 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 48.174 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

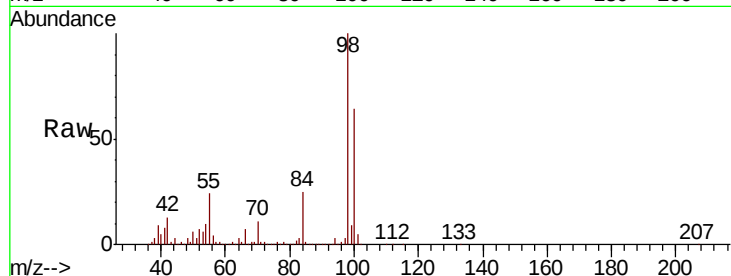
ClientSampled :

Tot Ion: 98 Resp: 1892656

Ion Ratio Lower Upper

98 100

100 63.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055481.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN055481.D (-2568) (-)

10.09

1000000

800000

600000

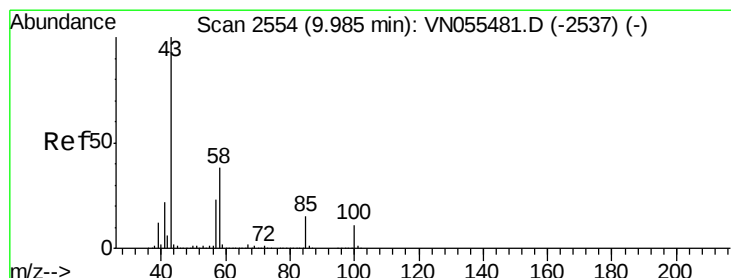
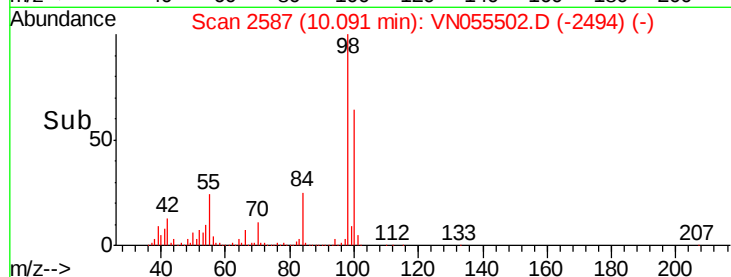
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.865 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055502.D

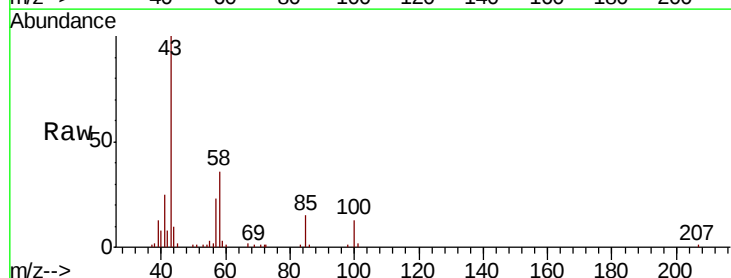
Acq: 9 May 2019 17:19

Tgt Ion: 43 Resp: 48083

Ion Ratio Lower Upper

43 100

58 38.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)

9.99

30000

25000

20000

15000

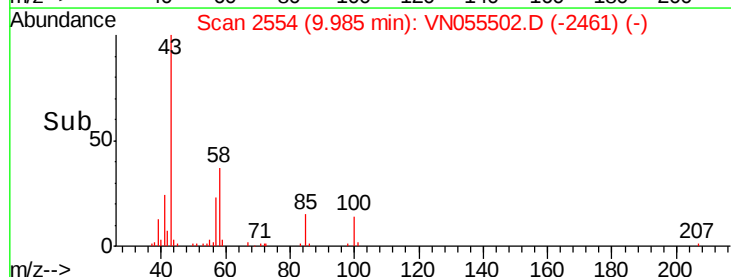
10000

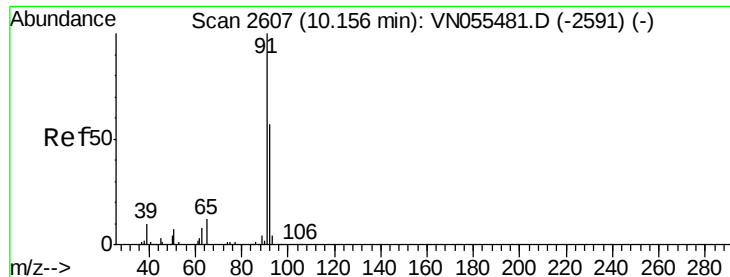
5000

0

9.90 9.95 10.00 10.05

Time-->





#52

Toluene

Concen: 3.144 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

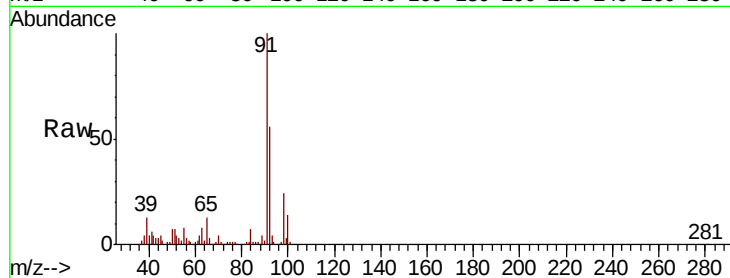
ClientSampled :

Tot Ion: 92 Resp: 85894

Ion Ratio Lower Upper

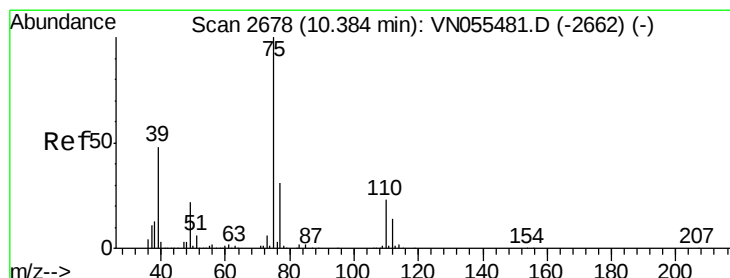
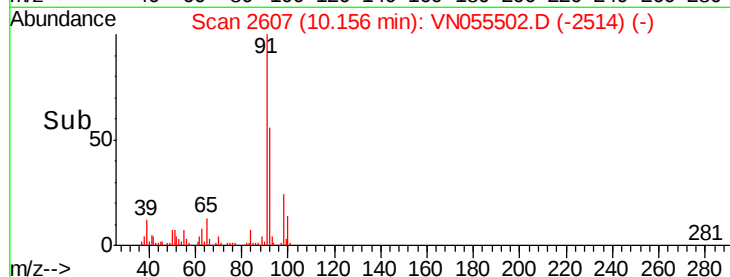
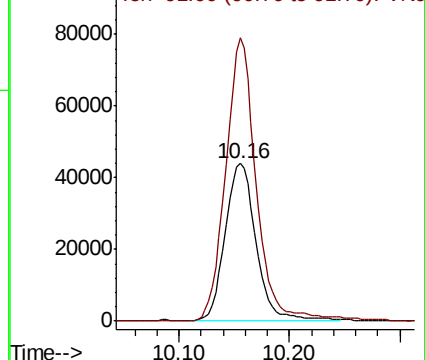
92 100

91 176.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.319 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.04 min

Lab File: VN055502.D

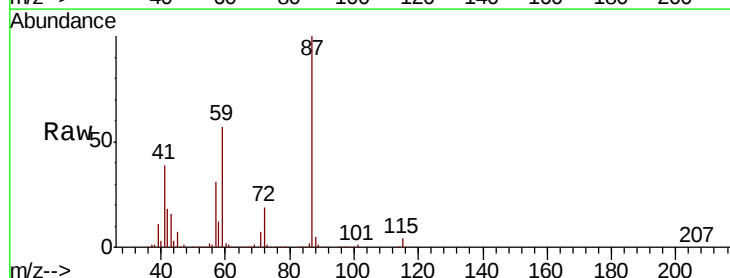
Acq: 9 May 2019 17:19

Tgt Ion: 75 Resp: 4652

Ion Ratio Lower Upper

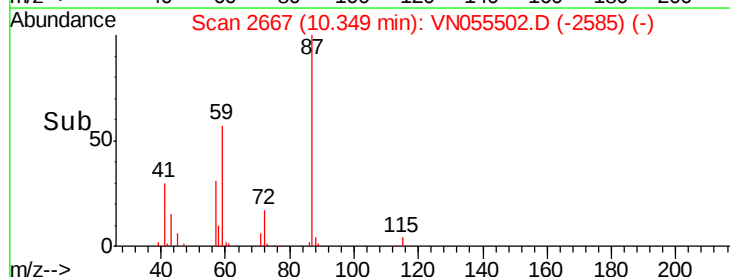
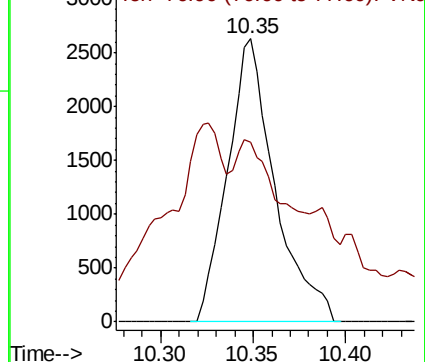
75 100

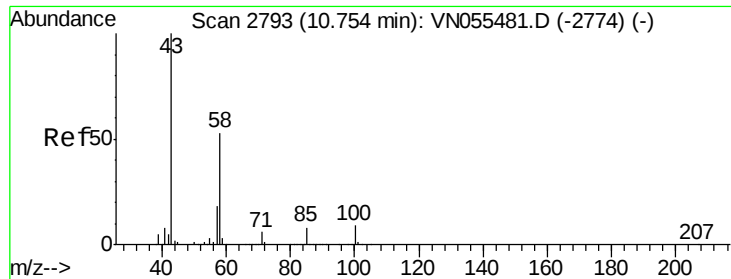
77 35.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

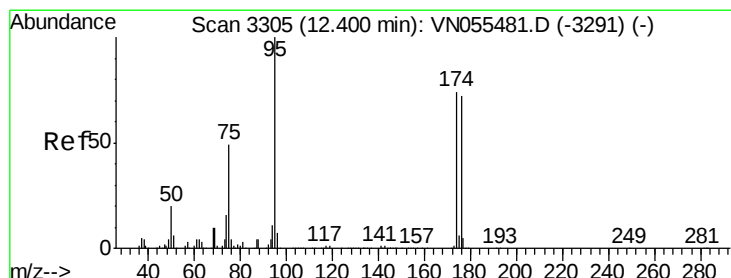
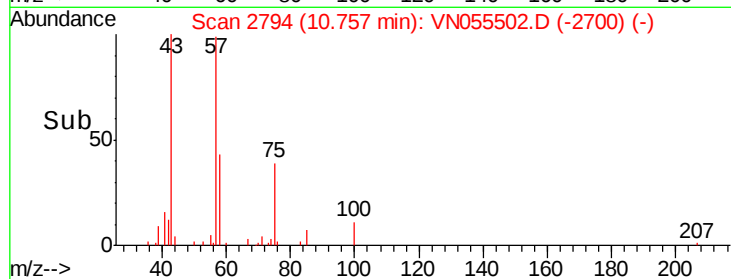
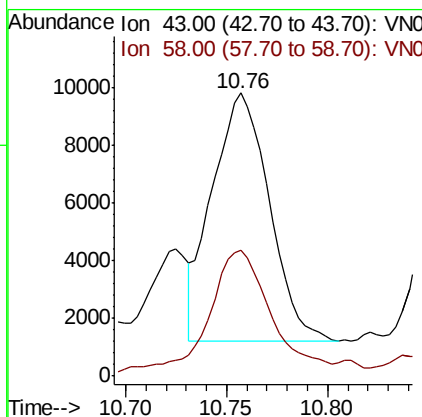
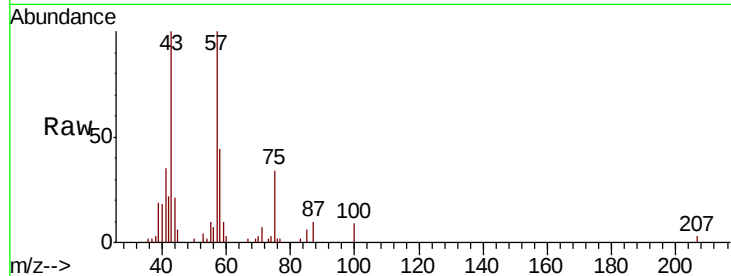




#59
2-Hexanone
Concen: 1.438 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

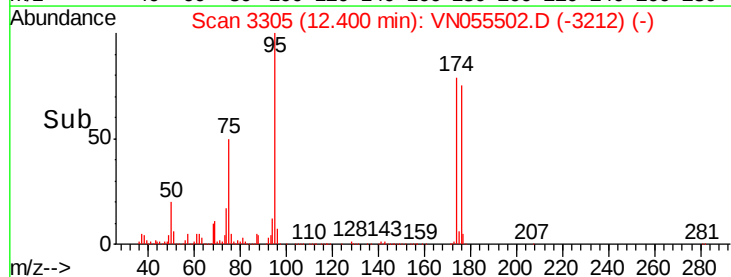
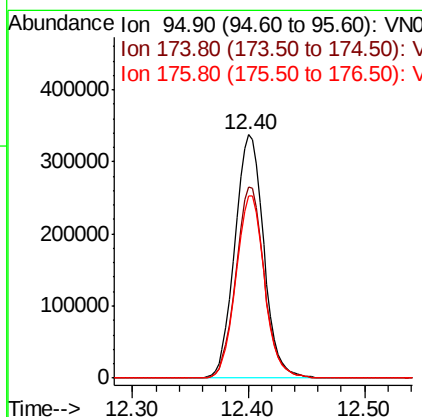
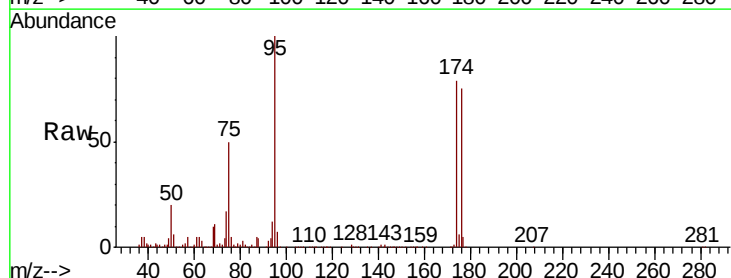
Instrument :
MSVOA_N
ClientSampleId :

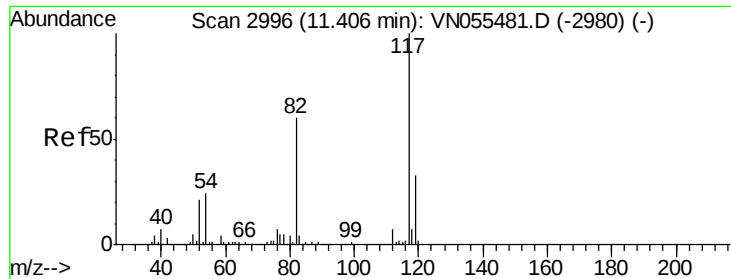
Tot Ion: 43 Resp: 16929
Ion Ratio Lower Upper
43 100
58 57.9 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 43.801 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 95 Resp: 580249
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.2
176 74.3 0.0 147.8

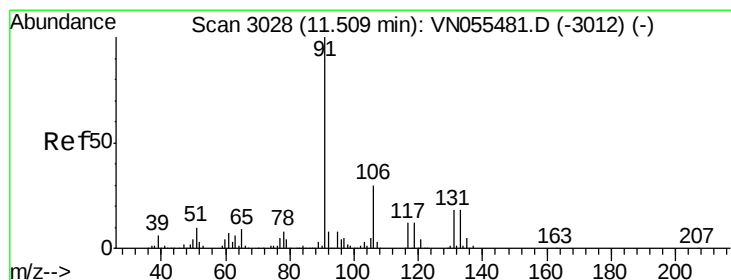
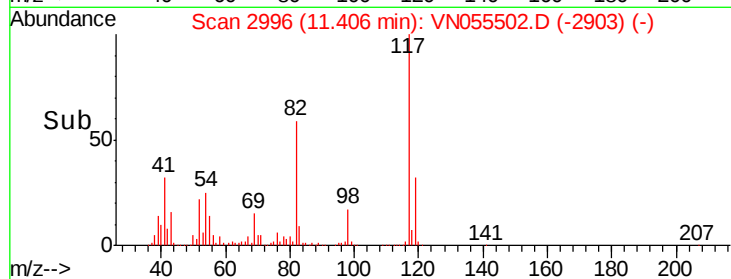
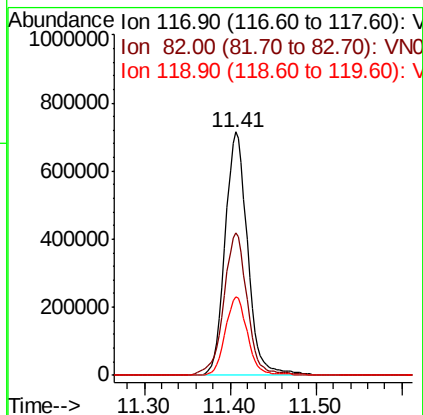
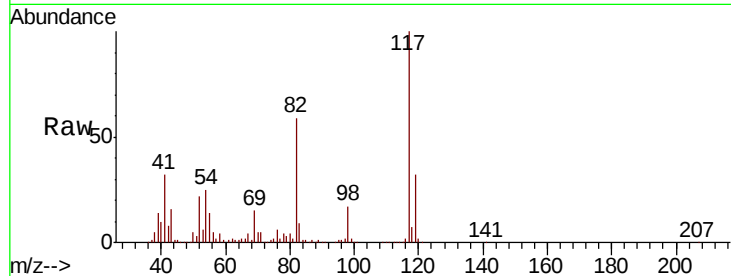




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

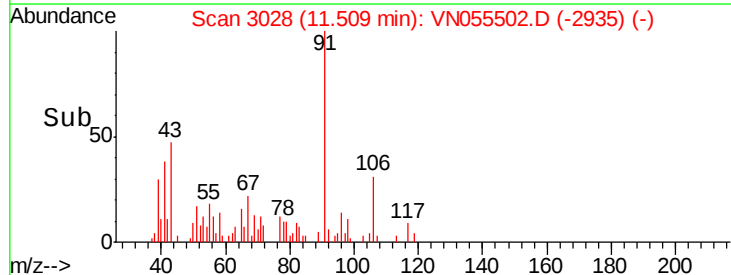
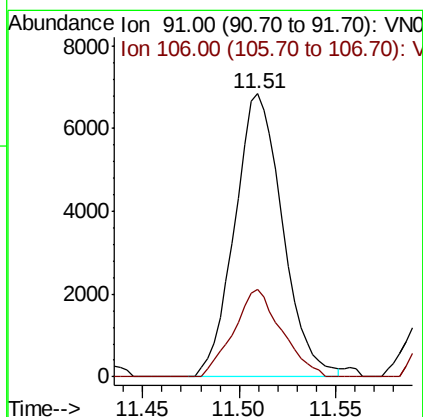
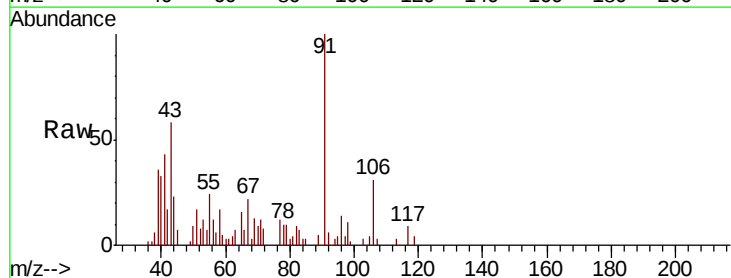
Instrument :
MSVOA_N
ClientSampleId :

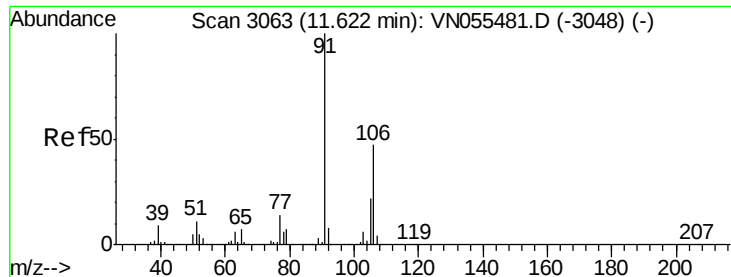
Tot Ion:117 Resp: 1301040
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.4 26.0 39.0



#67
Ethyl Benzene
Concen: 0.235 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion: 91 Resp: 11795
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.6





#68

m/p-Xylenes

Concen: 0.954 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

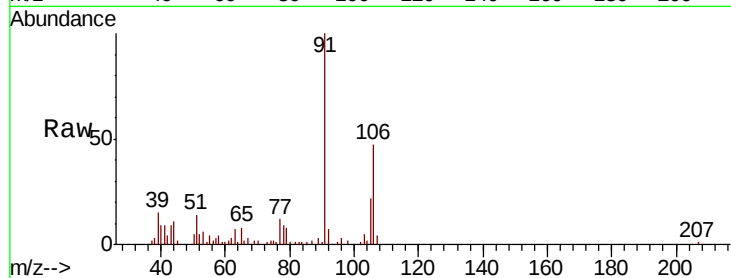
ClientSampleId :

Tot Ion:106 Resp: 17211

Ion Ratio Lower Upper

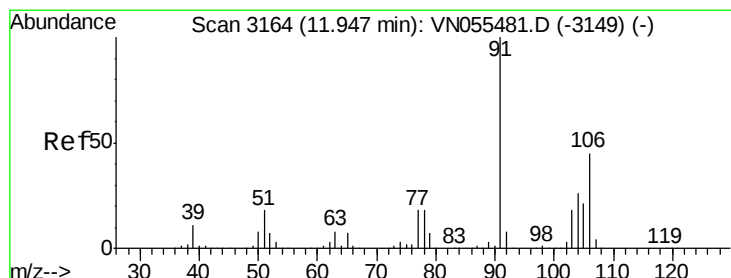
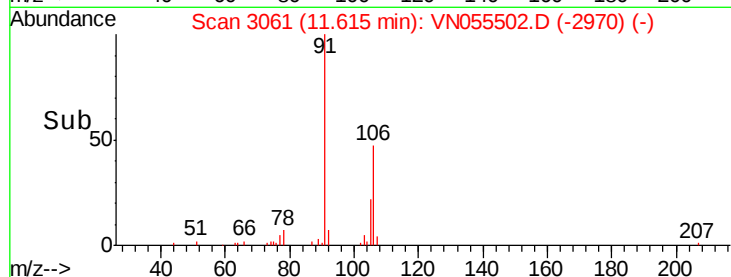
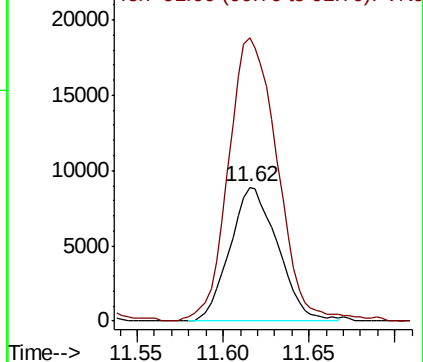
106 100

91 216.1 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.462 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055502.D

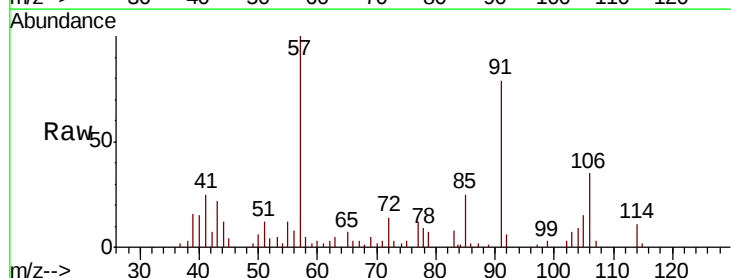
Acq: 9 May 2019 17:19

Tgt Ion:106 Resp: 8190

Ion Ratio Lower Upper

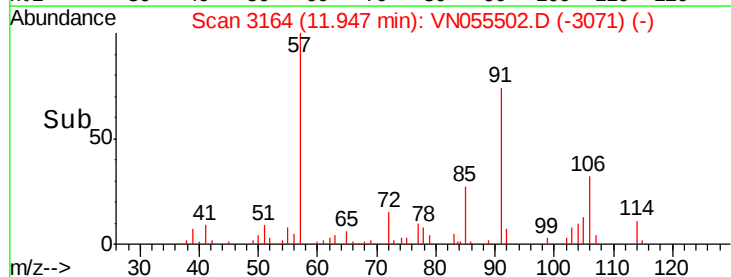
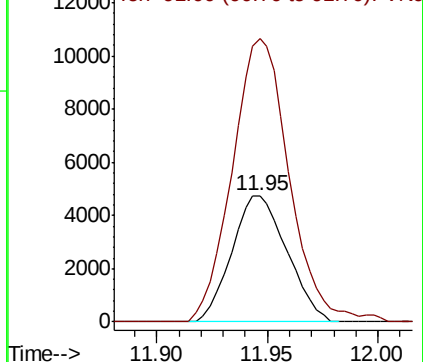
106 100

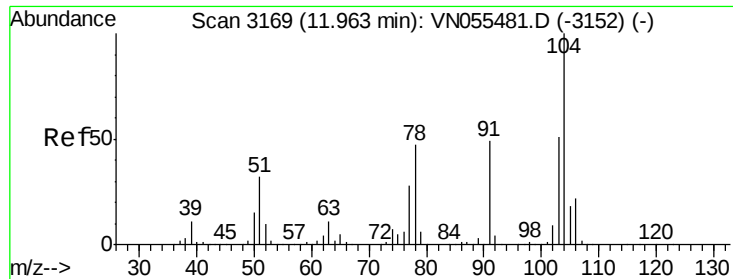
91 232.8 111.3 333.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

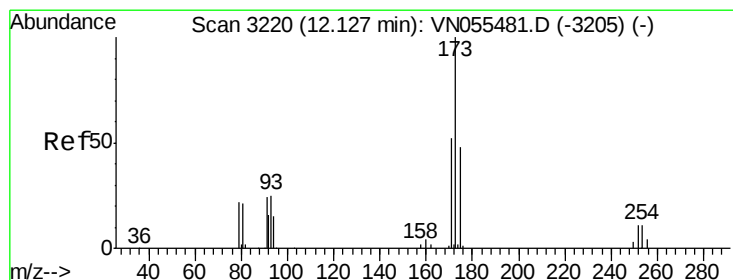
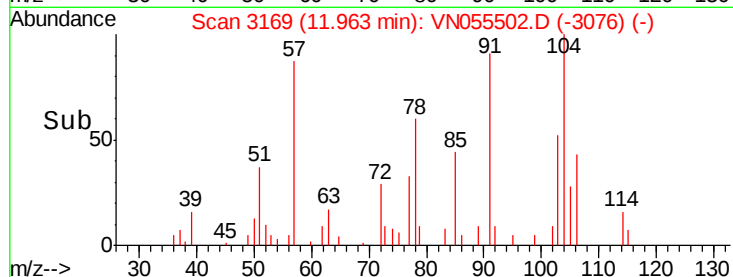
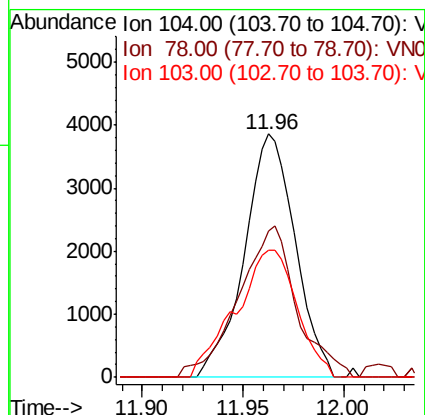
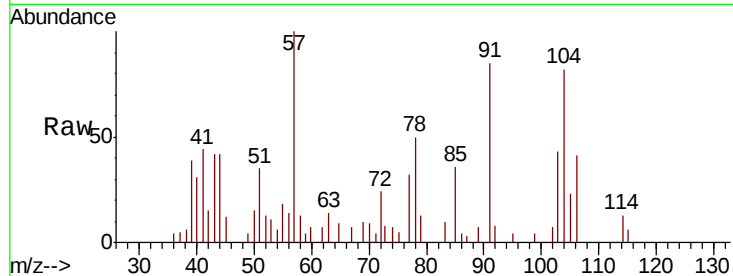




#70
Stvrene
Concen: 0.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

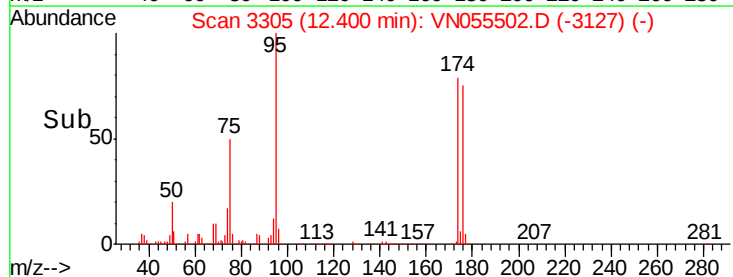
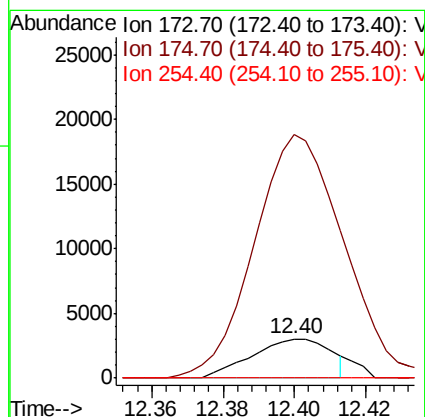
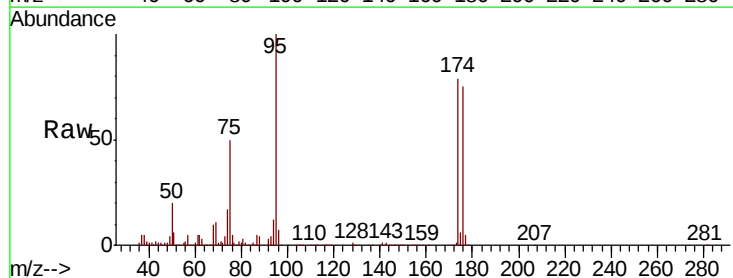
Instrument :
MSVOA_N
ClientSampled :

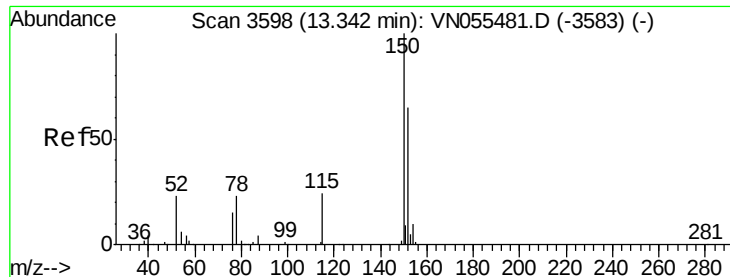
Tot Ion:104 Resp: 6791
Ion Ratio Lower Upper
104 100
78 71.2 41.6 62.4#
103 63.4 44.4 66.6



#71
Bromoform
Concen: 0.743 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055502.D
Acq: 9 May 2019 17:19

Tgt Ion:173 Resp: 4622
Ion Ratio Lower Upper
173 100
175 605.9 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

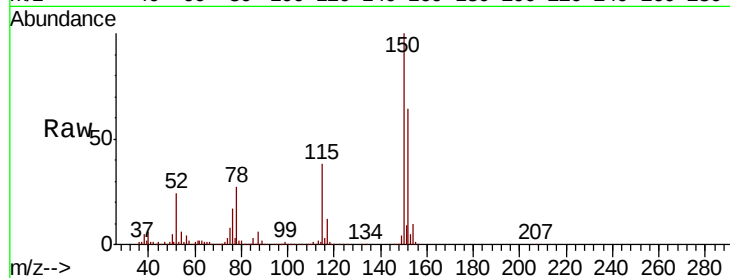
Tot Ion:152 Resp: 446117

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

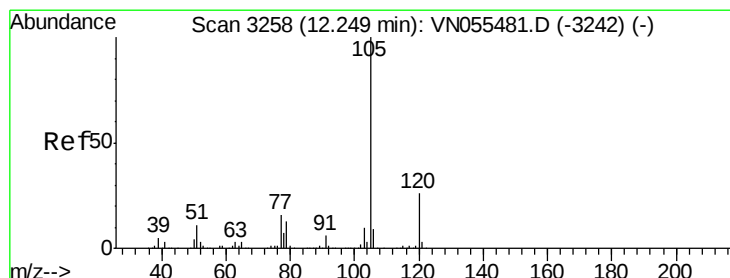
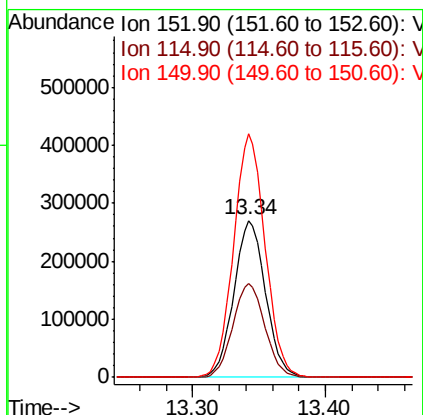
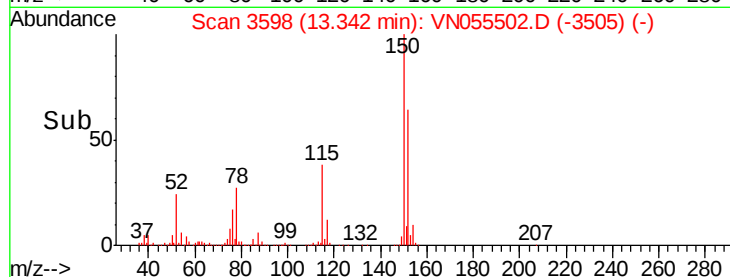
150 155.0 0.0 355.0



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: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055502.D

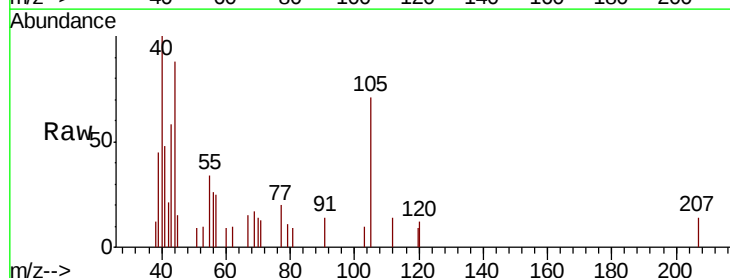
Acq: 9 May 2019 17:19

Tgt Ion:105 Resp: 1841

Ion Ratio Lower Upper

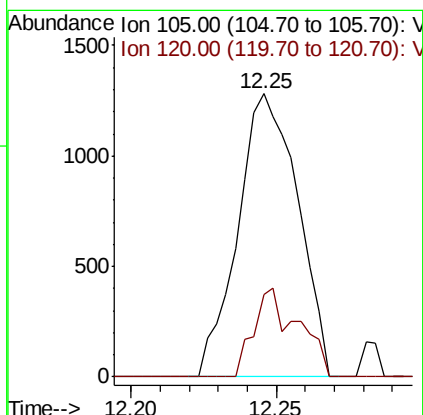
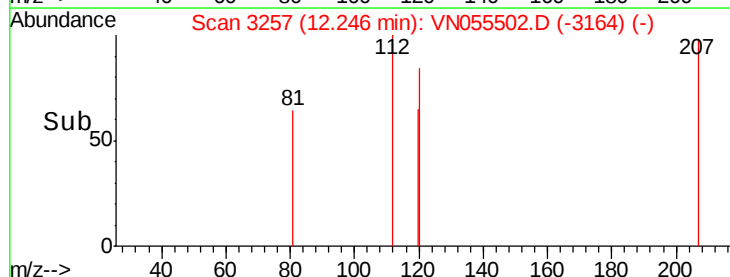
105 100

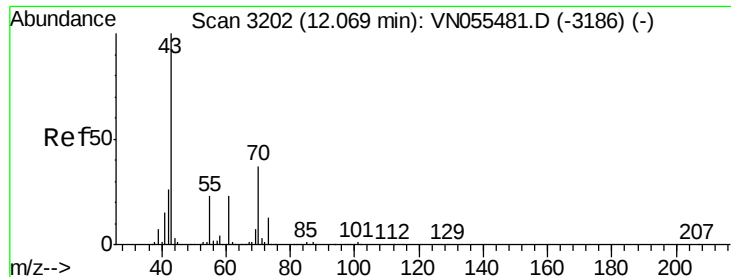
120 23.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.098 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 35533

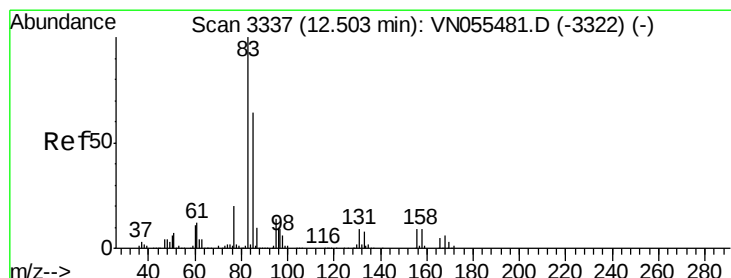
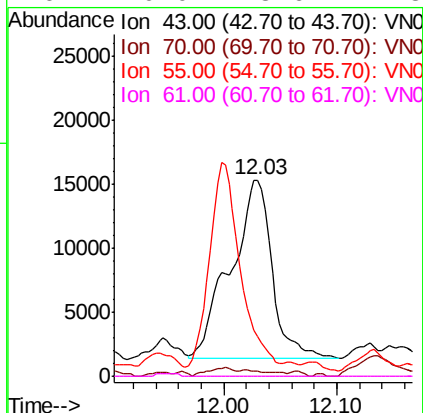
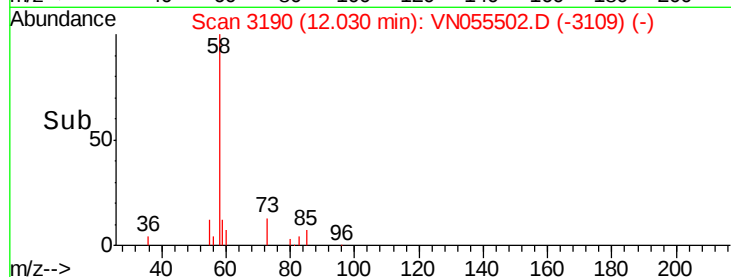
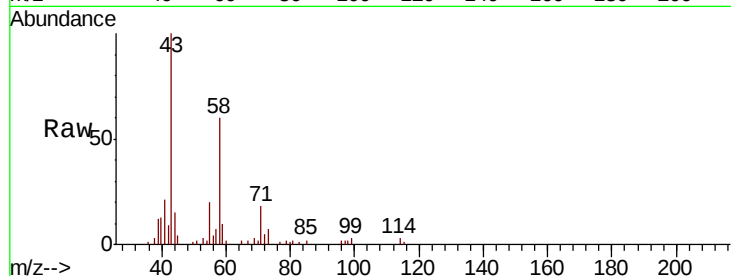
Ion Ratio Lower Upper

43 100

70 0.0 30.7 46.1#

55 0.0 19.3 28.9#

61 0.0 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. 0.02 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

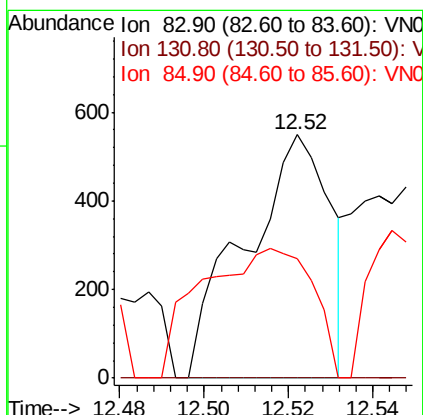
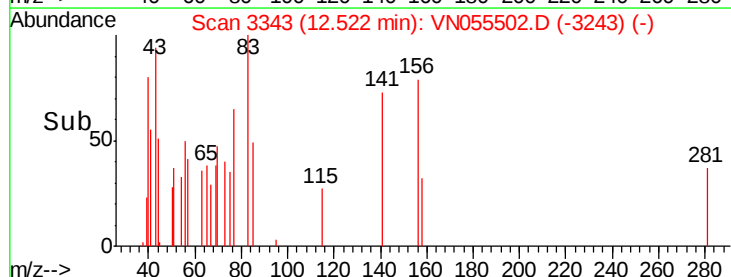
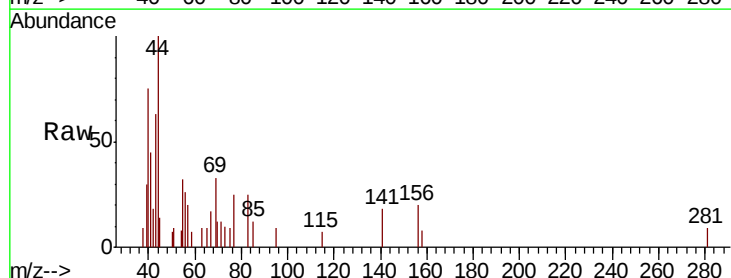
Tgt Ion: 83 Resp: 771

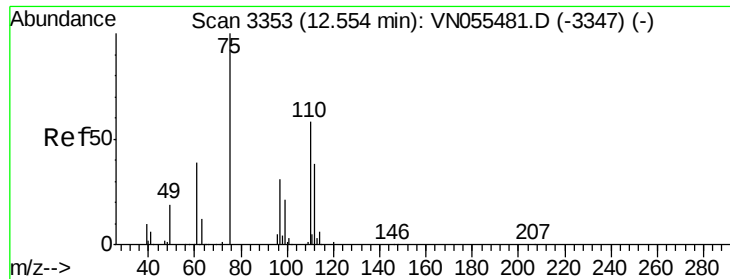
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 69.6 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 23.937 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

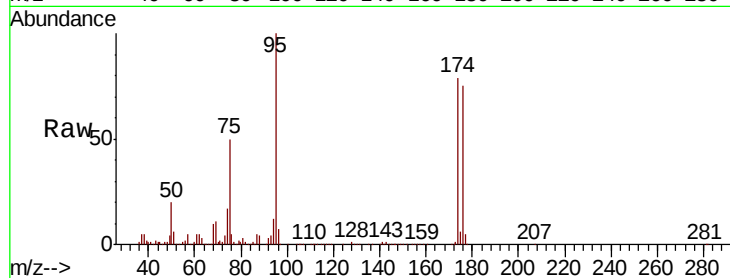
ClientSampleId :

Tot Ion: 75 Resp: 290707

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

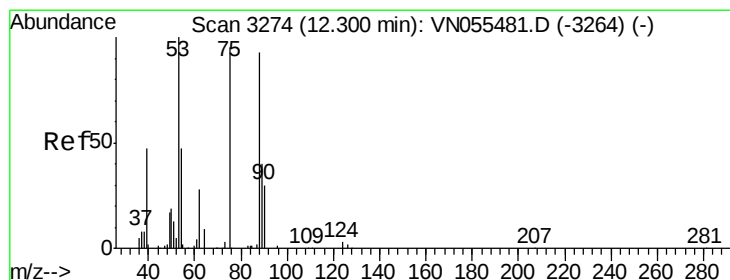
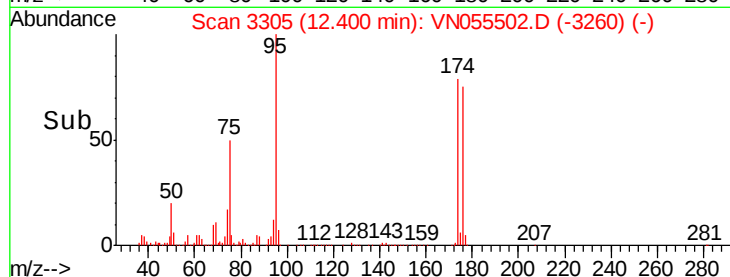
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 88.323 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

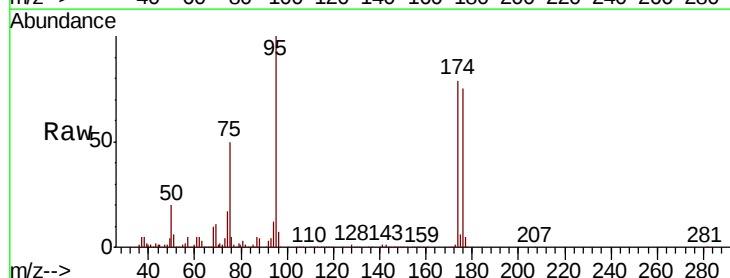
Tgt Ion: 75 Resp: 290707

Ion Ratio Lower Upper

75 100

53 0.2 86.5 129.7#

89 0.0 35.7 53.5#



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

200000

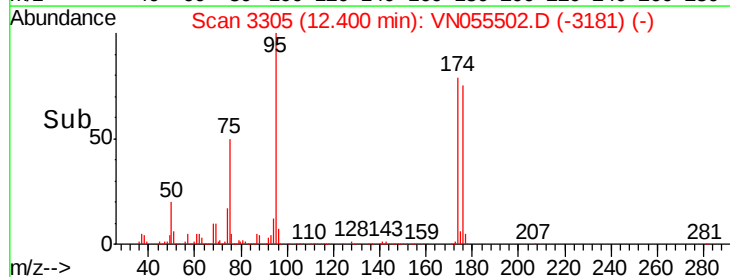
150000

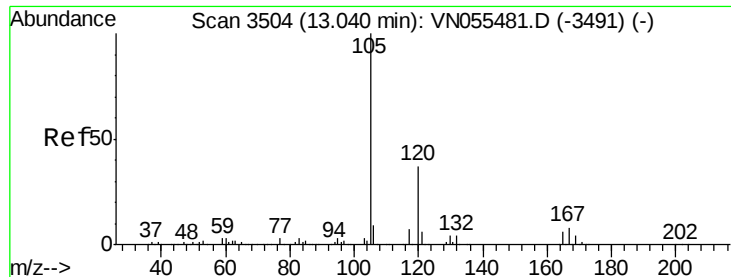
100000

50000

0

Time--> 12.30 12.40 12.50





#84

1,2,4-Trimethylbenzene

Concen: 0.477 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

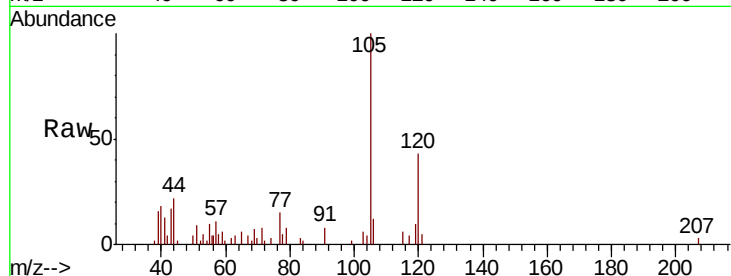
ClientSampled :

Tot Ion:105 Resp: 15623

Ion Ratio Lower Upper

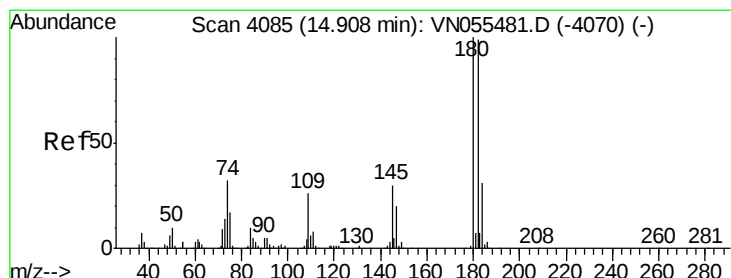
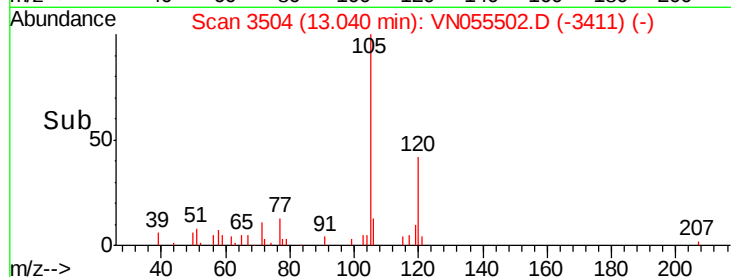
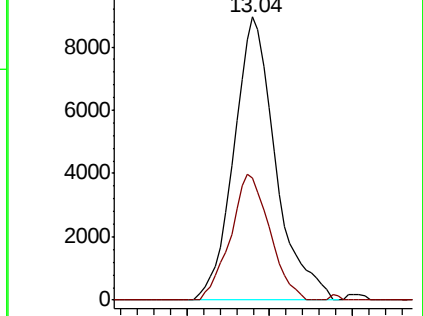
105 100

120 41.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 3.462 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

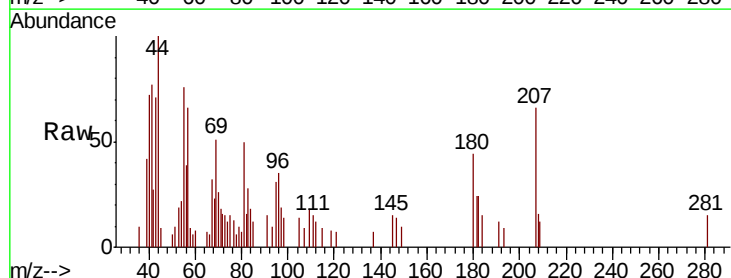
Tgt Ion:180 Resp: 1813

Ion Ratio Lower Upper

180 100

182 92.1 48.7 146.1

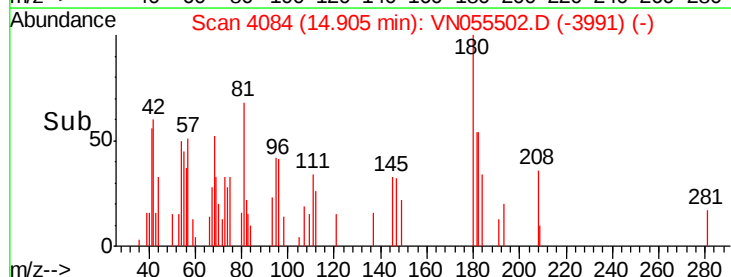
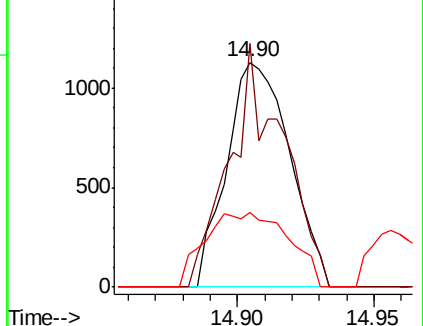
145 20.8 15.3 45.9

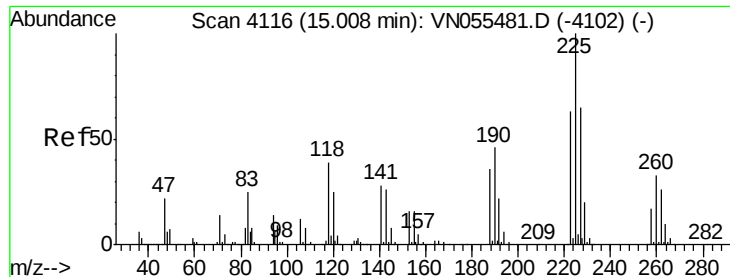


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

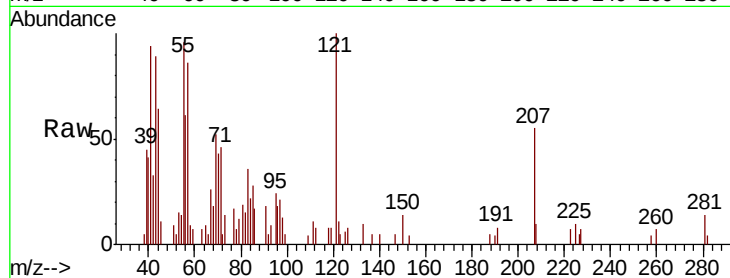
Tot Ion:225 Resp: 356

Ion Ratio Lower Upper

225 100

223 116.3 31.4 94.3#

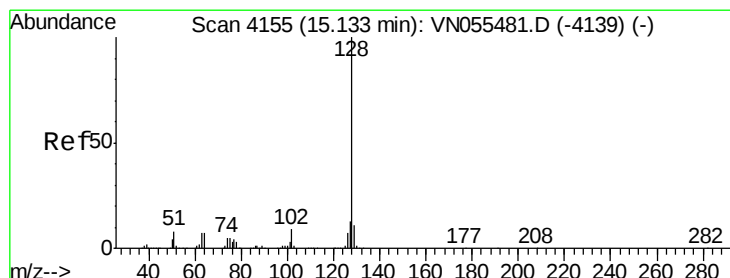
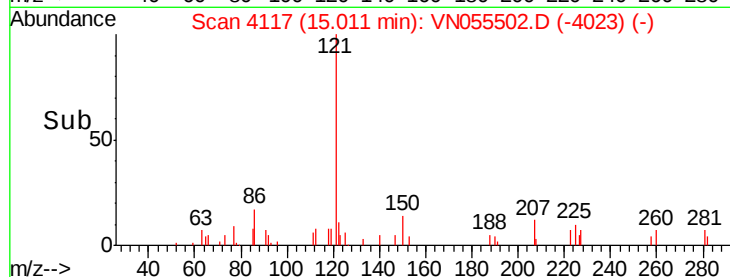
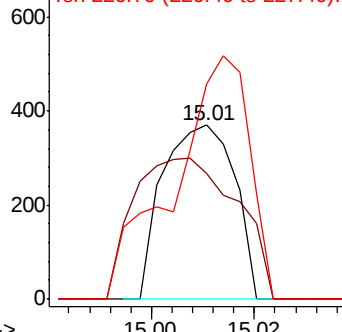
227 146.9 32.0 96.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.815 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055502.D

Acq: 9 May 2019 17:19

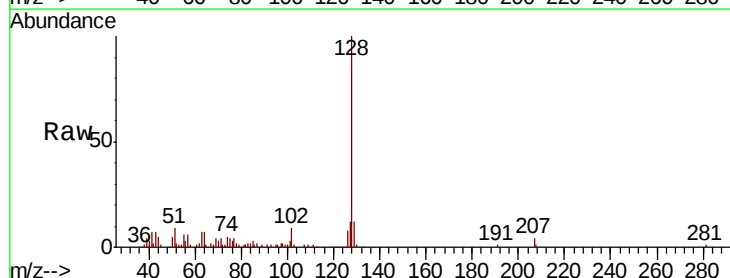
Tgt Ion:128 Resp: 96397

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

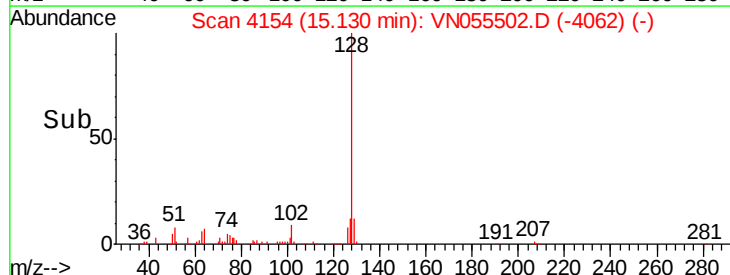
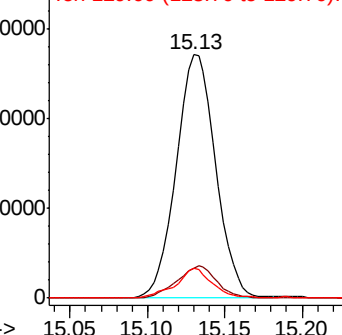
129 11.4 8.8 13.2

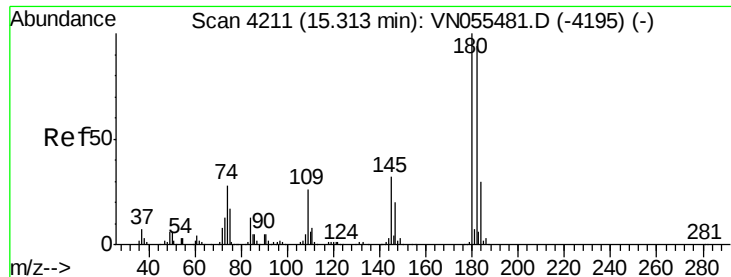


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

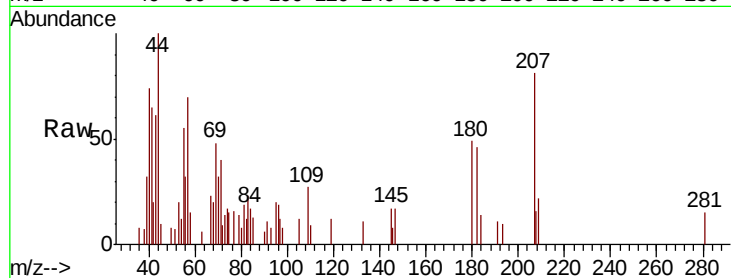




#96
 1,2,3-Trichlorobenzene
 Concen: 2.723 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055502.D
 Acq: 9 May 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.3
145	36.6	15.8	47.4



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

