

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055505.D
 Acq On : 9 May 2019 18:34
 Operator : JC/SP
 Sample : K2754-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:16:29 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	911701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1526150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	379170	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	625447	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
35) Dibromofluoromethane	7.59	113	480633	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.09	98	1869202	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	545652	42.18	ug/l	0.00
Spiked Amount			Recovery	=	84.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	474	0.351	ug/l #	1
14) Allyl chloride	4.55	41	40714	1.995	ug/l #	28
16) Acetone	3.82	43	14627	2.301	ug/l	99
17) Carbon Disulfide	4.06	76	10259	0.377	ug/l	95
18) Methyl Acetate	4.33	43	9555	Below Cal		93
20) Methylene Chloride	4.55	84	940081	72.330	ug/l	98
25) 2-Butanone	6.85	43	2242	0.255	ug/l	100
29) Tetrahydrofuran	7.22	42	1798	0.310	ug/l	96
30) Chloroform	7.38	83	8699	0.420	ug/l #	80
31) Cyclohexane	7.66	56	19802	0.894	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	72316	4.810	ug/l #	45
38) Carbon Tetrachloride	7.66	117	87174	6.886	ug/l #	15
43) Isopropyl Acetate	8.17	43	30015	1.205	ug/l	95
45) 1,2-Dichloropropane	9.27	63	3742	0.280	ug/l #	45
48) Methyl methacrylate	9.18	41	18347	1.528	ug/l #	17
49) 1,4-Dioxane	9.19	88	77	0.329	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	13173	0.804	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	104117	6.128	ug/l #	68
57) 1,3-Dichloropropane	10.76	76	23654	1.233	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.70	63	280	12.561	ug/l #	52
59) 2-Hexanone	10.76	43	368475	32.062	ug/l #	54
68) m/p-Xylenes	11.62	106	3998	0.225	ug/l	95
71) Bromoform	12.40	173	3944	0.645	ug/l #	1
73) Isopropylbenzene	12.25	105	3268	Below Cal		92
75) 1,1,2,2-Tetrachloroethane	12.50	83	963	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.40	75	273353	26.482	ug/l #	100
79) 2-Chlorotoluene	12.68	91	5413	0.214	ug/l	84
80) 1,3,5-Trimethylbenzene	12.73	105	11305	0.373	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	273353	97.714	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	9994	0.359	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	2633	0.204	ug/l	91
88) 1,4-Dichlorobenzene	13.28	146	2633	0.207	ug/l	90
89) n-Butylbenzene	13.61	91	7067	0.324	ug/l #	82
91) 1,2-Dichlorobenzene	13.65	146	3681	0.285	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

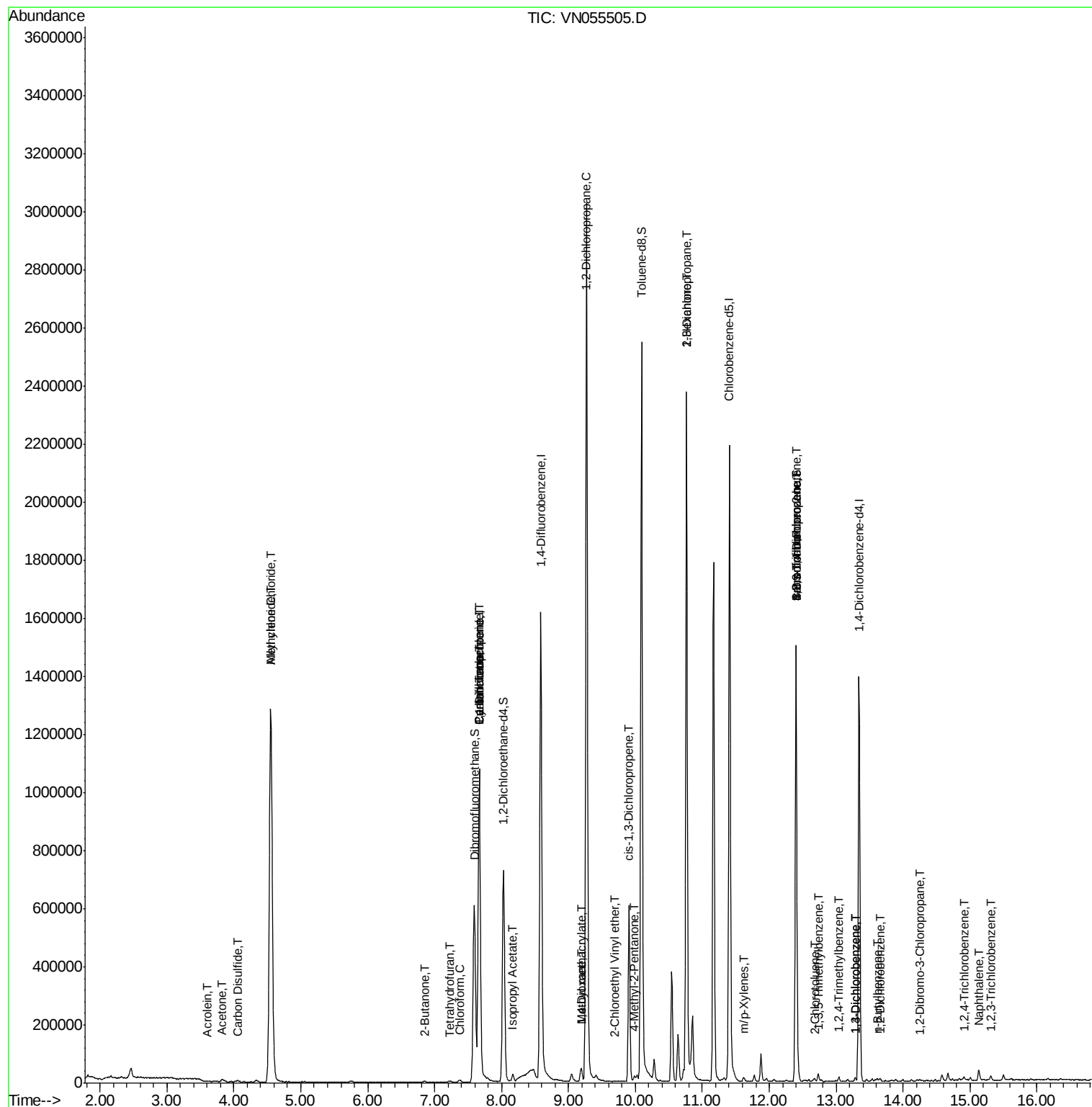
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.27	75	416	0.239	ug/l	79
93) 1,2,4-Trichlorobenzene	14.91	180	3940	3.861	ug/l	96
94) Hexachlorobutadiene	15.00	225	1658	Below Cal		86
95) Naphthalene	15.13	128	29701	4.705	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	4828	3.178	ug/l #	91

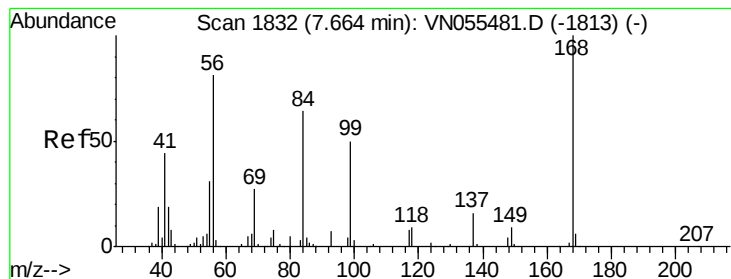
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055505.D

Acq: 9 May 2019 18:34

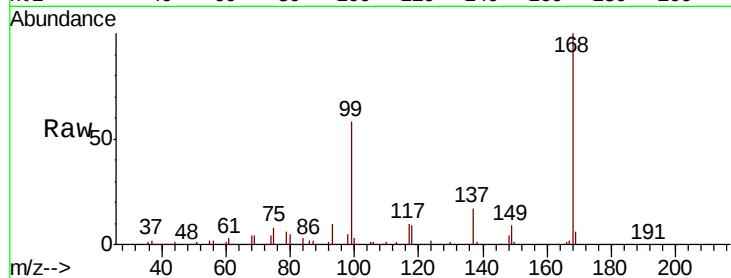
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 911701

Ion Ratio Lower Upper

168 100

99 57.6 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

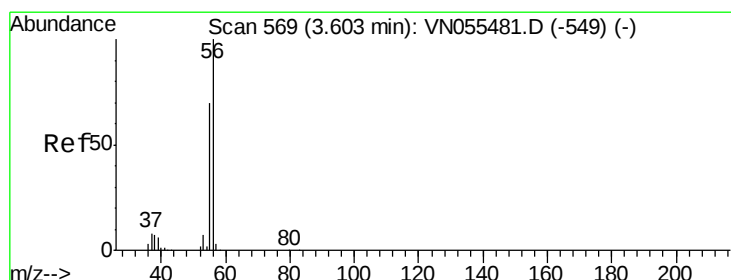
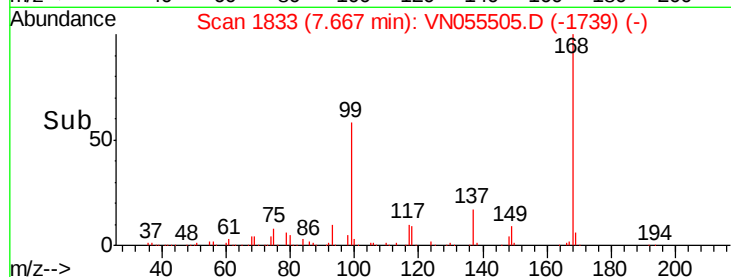
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.351 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN055505.D

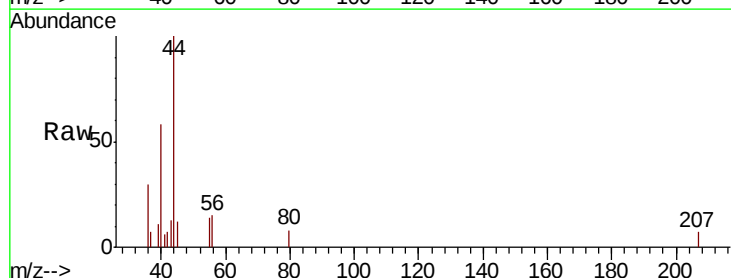
Acq: 9 May 2019 18:34

Tgt Ion: 56 Resp: 474

Ion Ratio Lower Upper

56 100

55 204.2 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

500

400

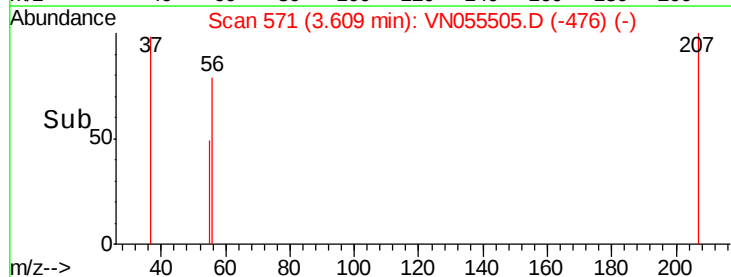
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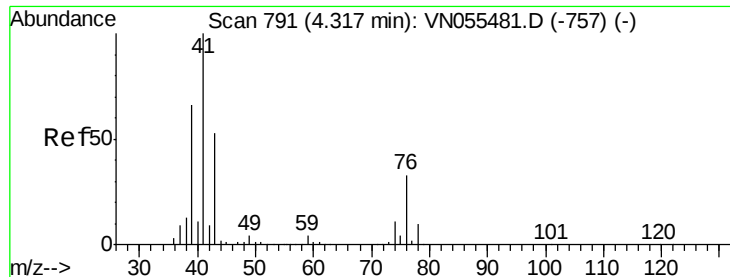
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100

0

Time-->

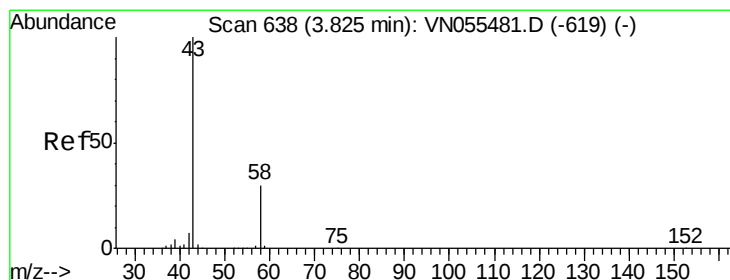
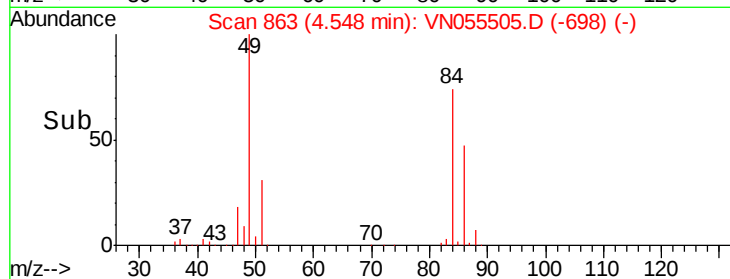
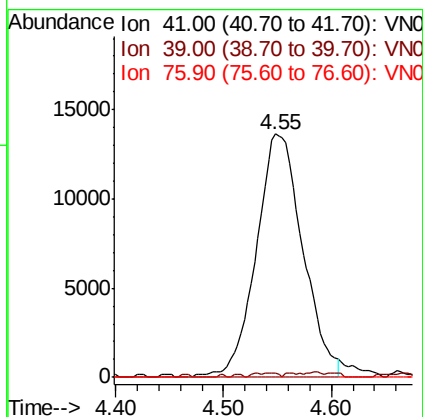
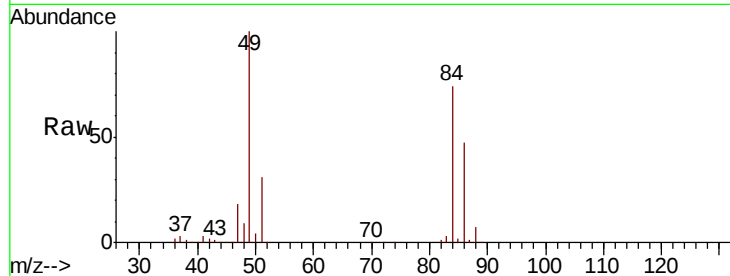




#14
Allvl chloride
Concen: 1.995 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.23 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

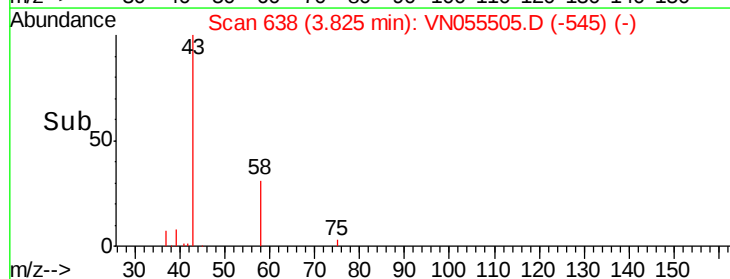
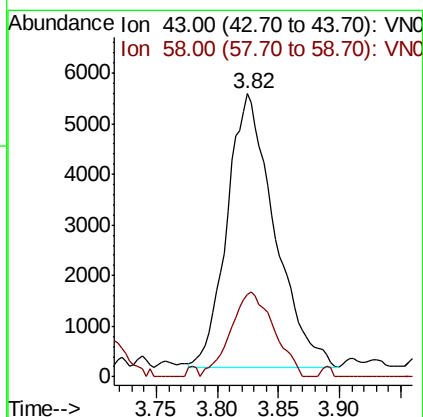
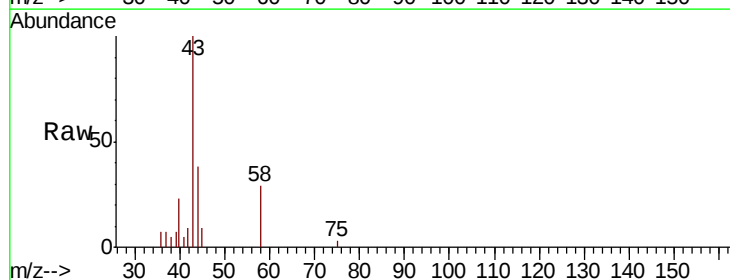
Instrument :
MSVOA_N
ClientSampleId :

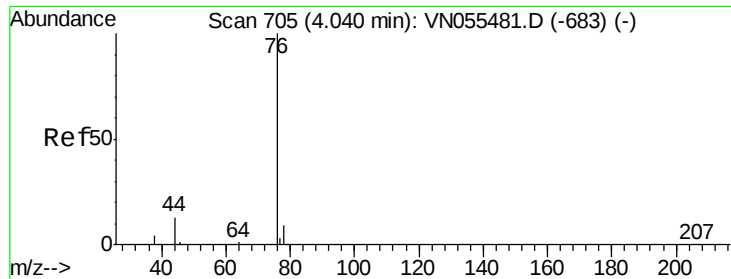
Tot Ion: 41 Resp: 40714
Ion Ratio Lower Upper
41 100
39 0.6 49.8 74.8#
76 0.0 23.5 35.3#



#16
Acetone
Concen: 2.301 ug/l
RT: 3.82 min Scan# 638
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 14627
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.2

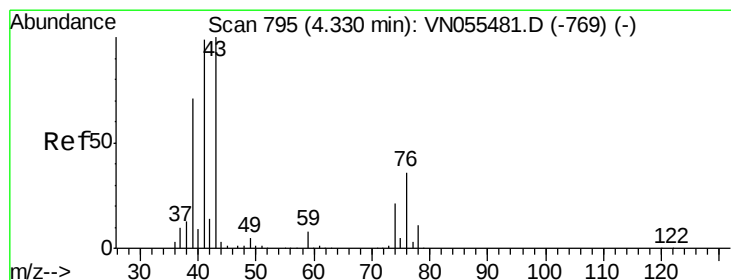
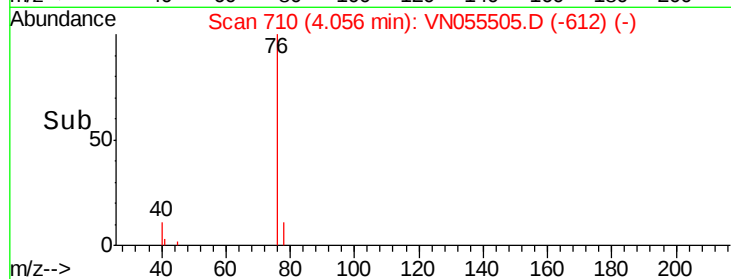
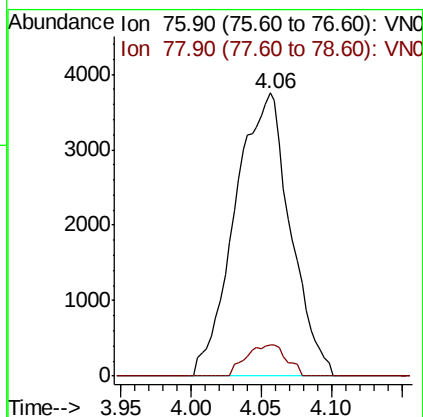
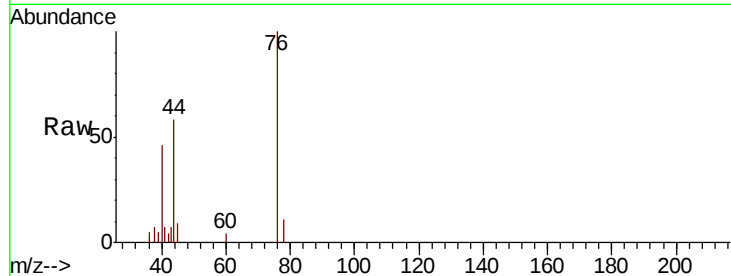




#17
Carbon Disulfide
Concen: 0.377 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.02 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

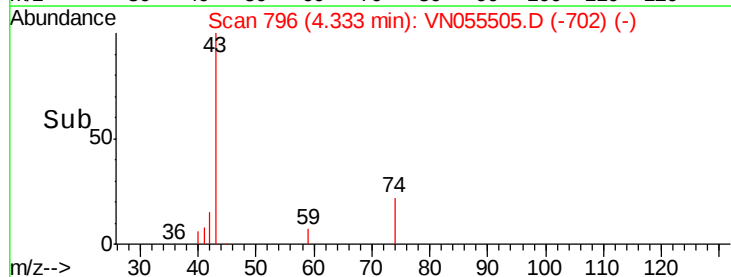
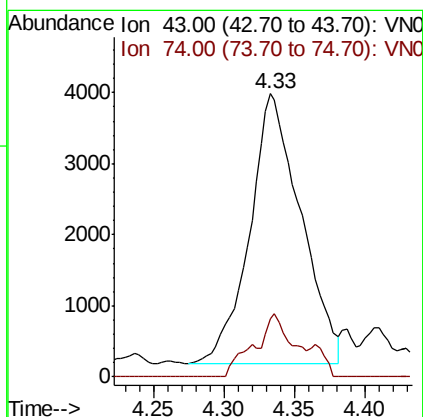
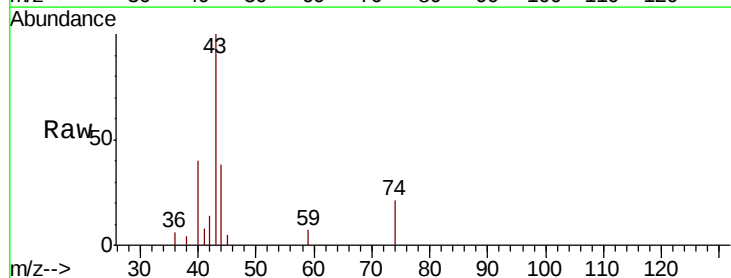
Instrument :
MSVOA_N
ClientSampled :

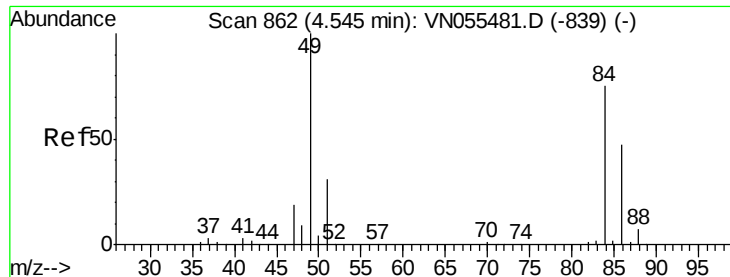
Tot Ion: 76 Resp: 10259
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 9555
Ion Ratio Lower Upper
43 100
74 17.3 16.3 24.5

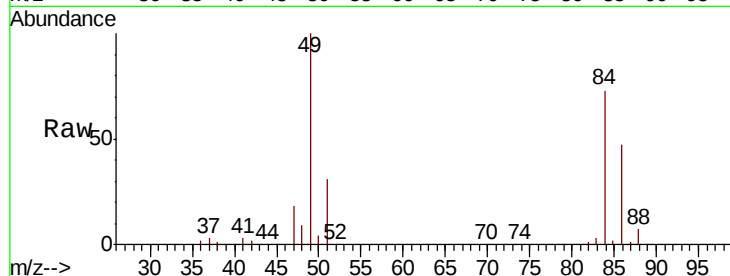




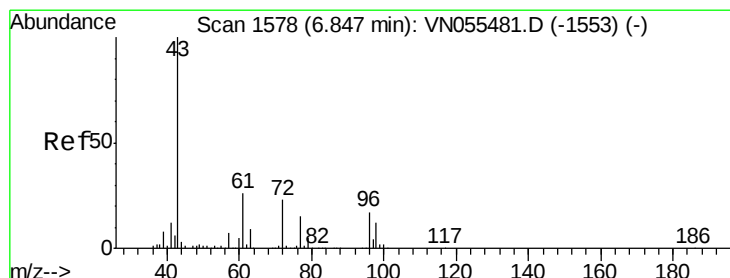
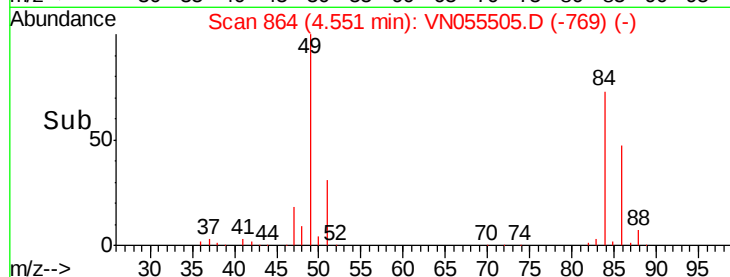
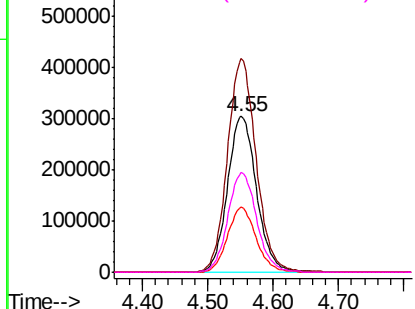
#20
Methvlene Chloride
Concen: 72.330 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 940081
Ion Ratio Lower Upper
84 100
49 136.8 107.0 160.6
51 42.0 33.0 49.4
86 63.9 50.6 76.0

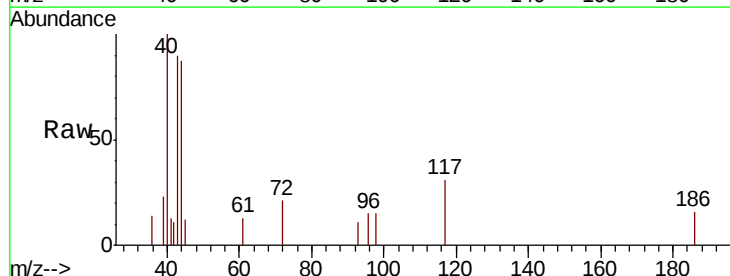


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

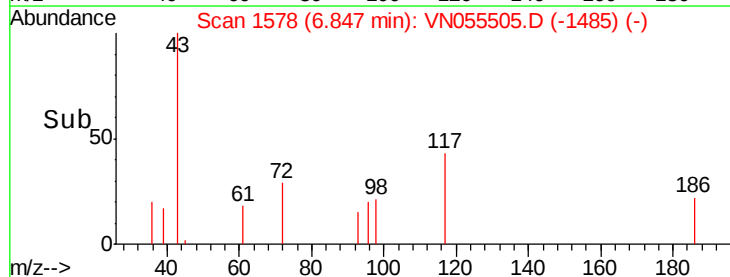
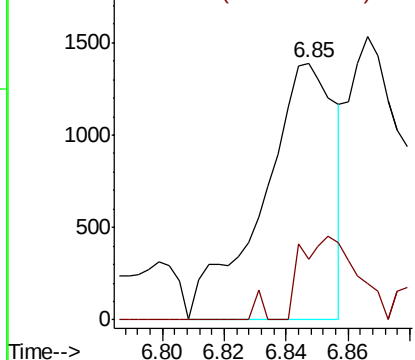


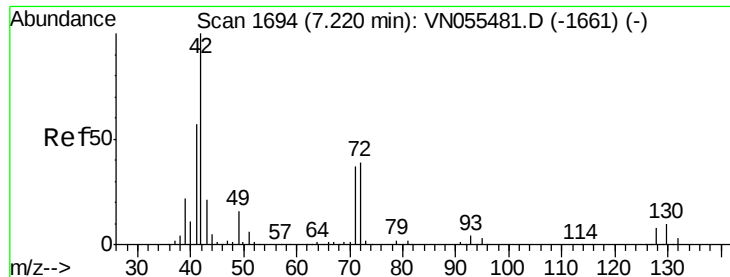
#25
2-Butanone
Concen: 0.255 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
72 23.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

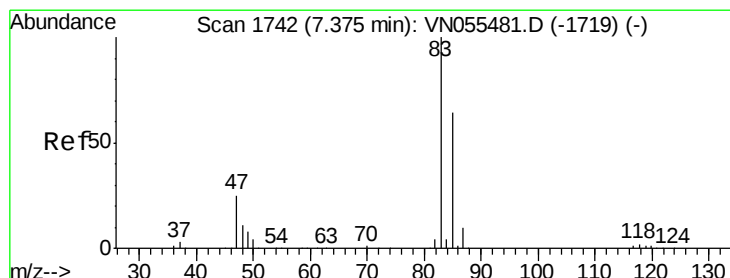
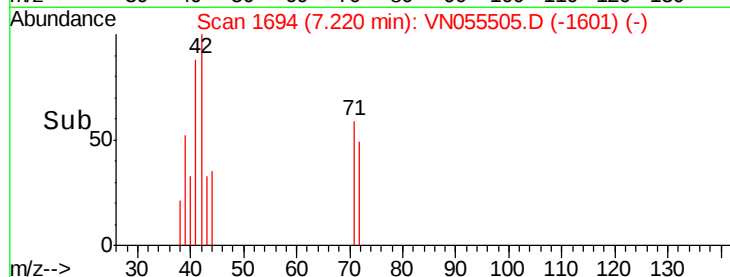
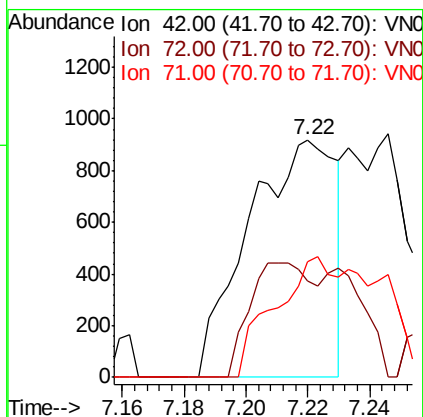
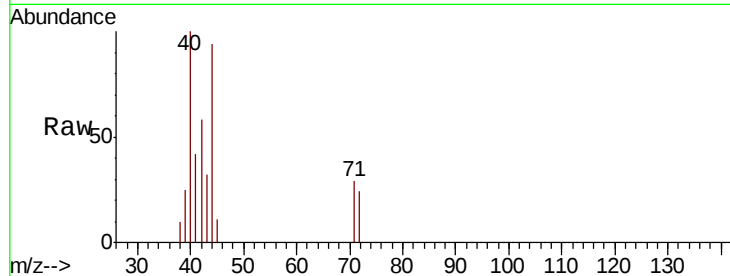




#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

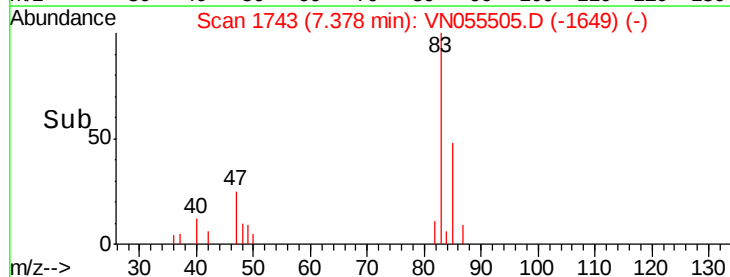
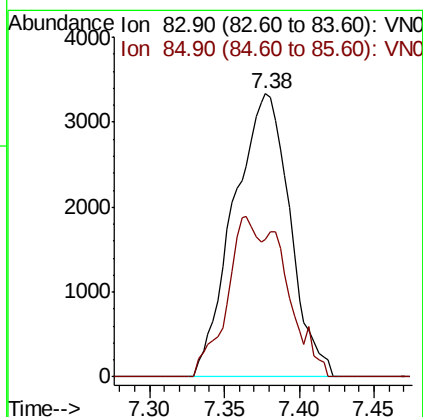
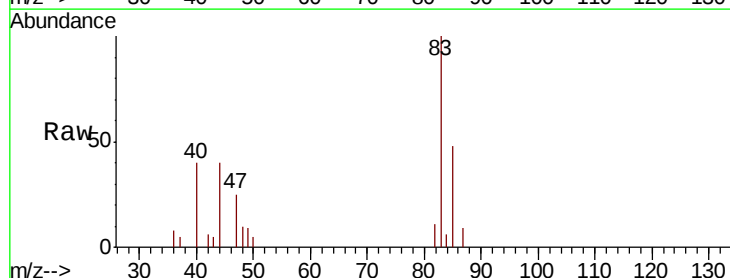
Instrument :
MSVOA_N
ClientSampled :

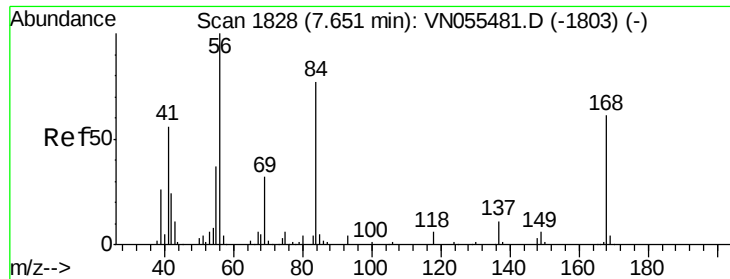
Tot Ion: 42 Resp: 1798
Ion Ratio Lower Upper
42 100
72 35.3 31.0 46.6
71 35.7 29.4 44.2



#30
Chloroform
Concen: 0.420 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion: 83 Resp: 8699
Ion Ratio Lower Upper
83 100
85 48.5 51.3 76.9#

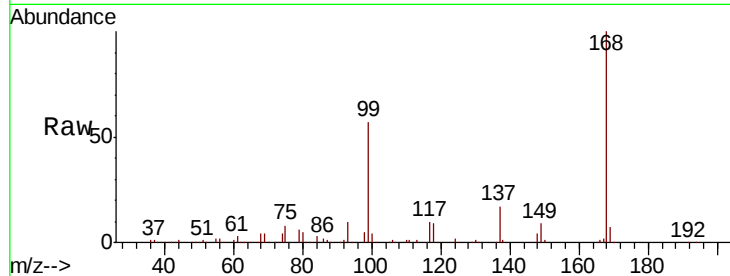




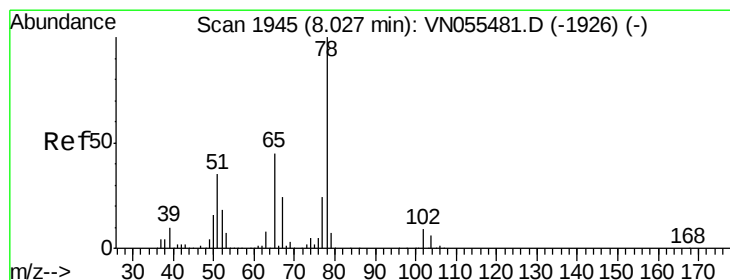
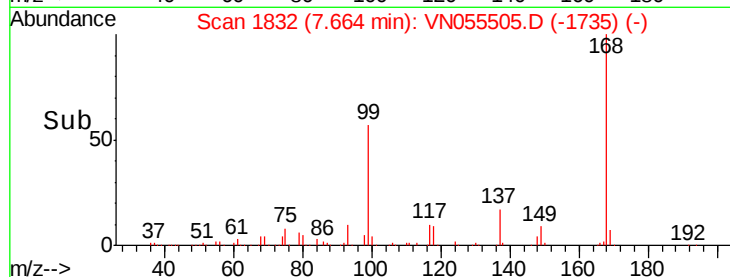
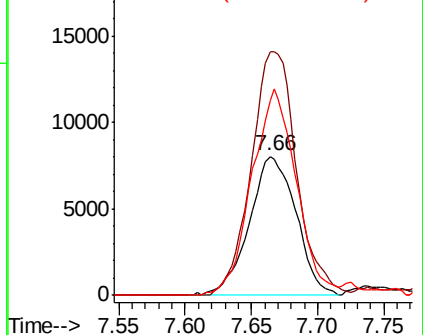
#31
Cyclohexane
Concen: 0.894 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 19802
Ion Ratio Lower Upper
56 100
69 175.1 26.0 39.0#
84 140.7 61.9 92.9#

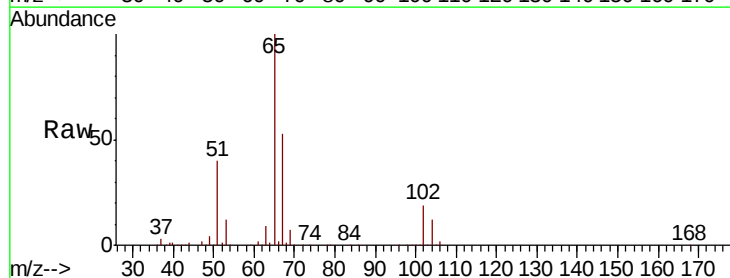


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

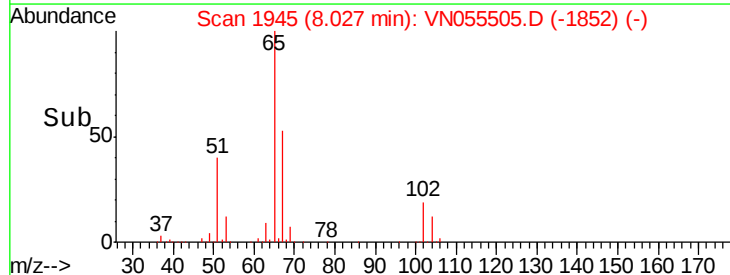
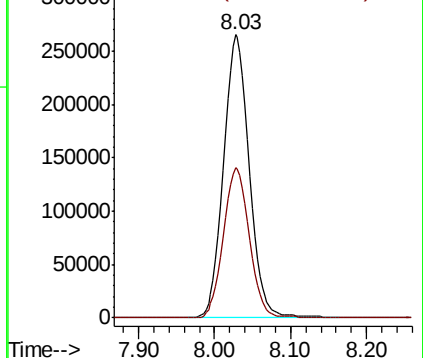


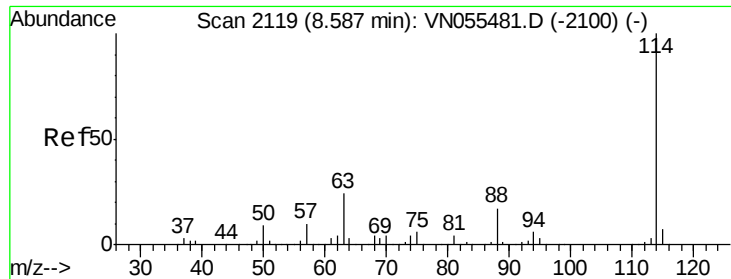
#33
1,2-Dichloroethane-d4
Concen: 45.563 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion: 65 Resp: 625447
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

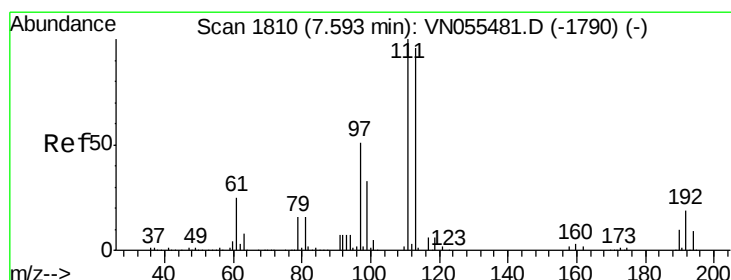
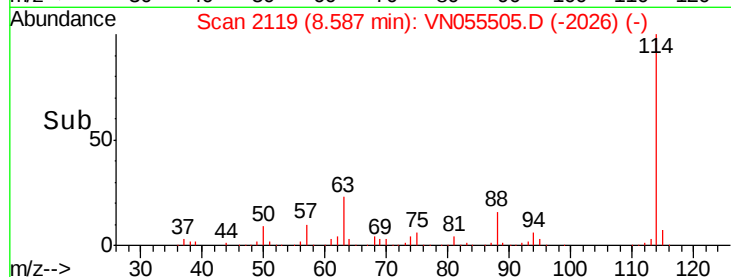
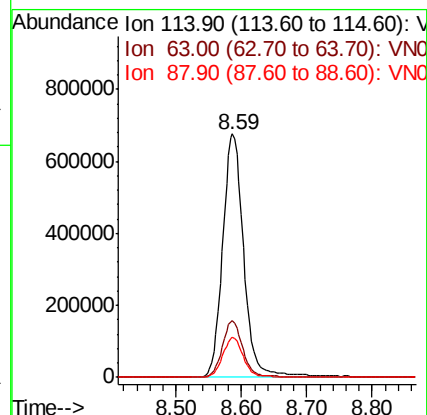
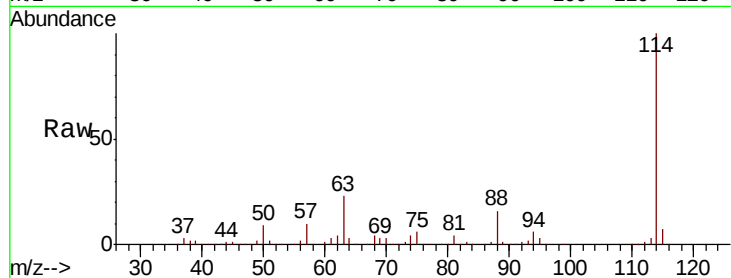




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055505.D
 Acq: 9 May 2019 18:34

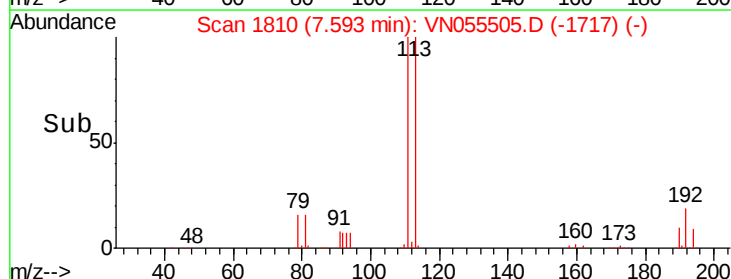
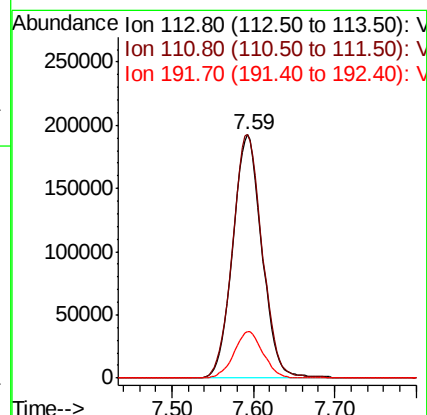
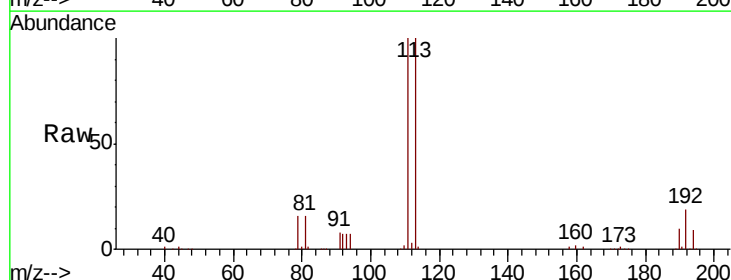
Instrument :
 MSVOA_N
 ClientSampleId :

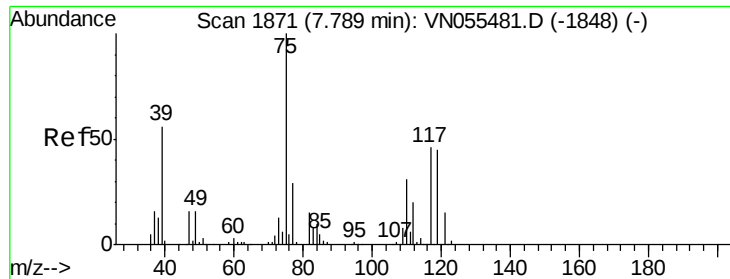
Tot Ion:114 Resp: 1526150
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.4
 88 16.4 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 48.821 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055505.D
 Acq: 9 May 2019 18:34

Tgt Ion:113 Resp: 480633
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 19.1 15.6 23.4

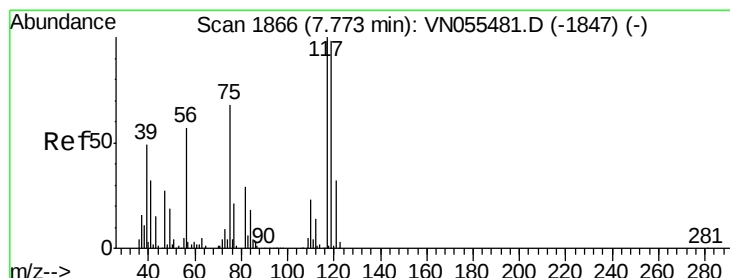
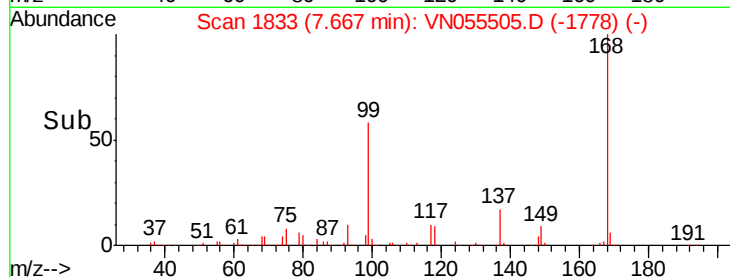
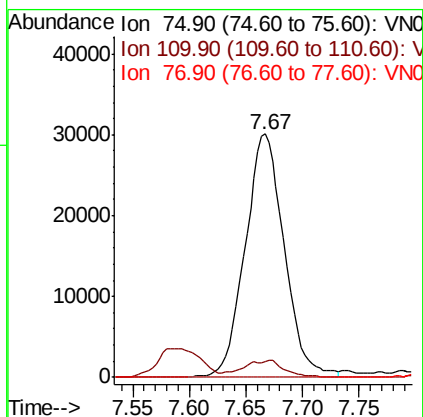
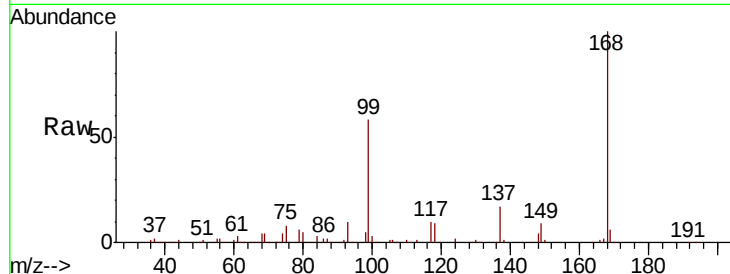




#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055505.D
 Acq: 9 May 2019 18:34

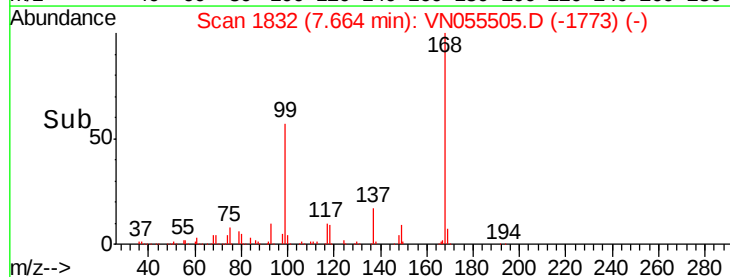
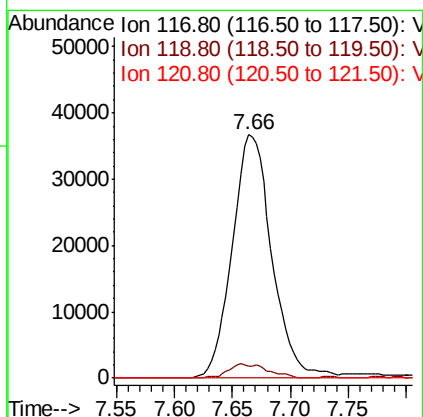
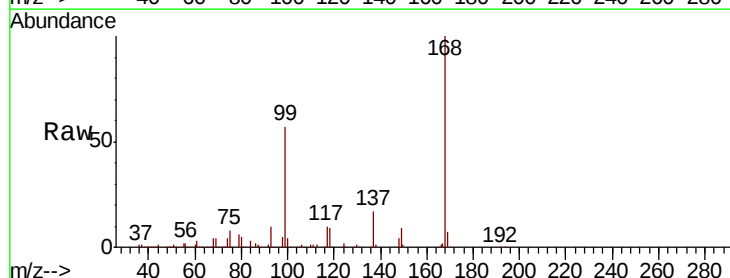
Instrument :
 MSVOA_N
 ClientSampleId :

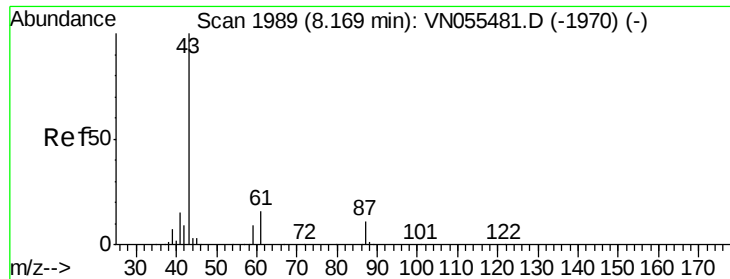
Tot Ion	Ratio	Lower	Upper
75	100		
110	1.6	16.1	48.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.886 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055505.D
 Acq: 9 May 2019 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.8	116.6#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 1.205 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

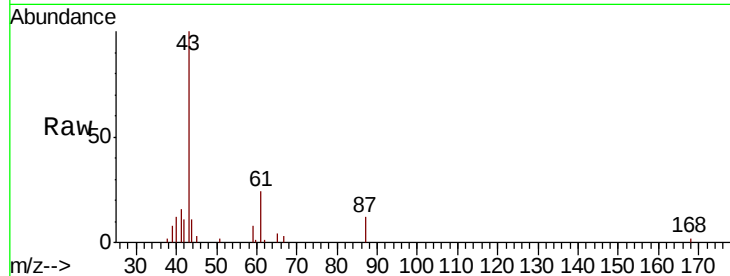
Tot Ion: 43 Resp: 30015

Ion Ratio Lower Upper

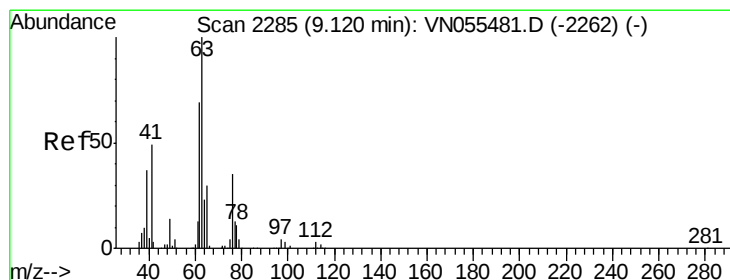
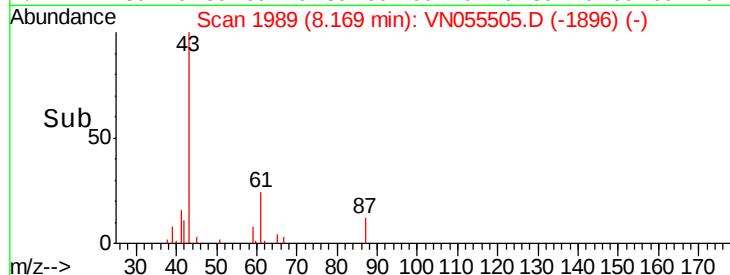
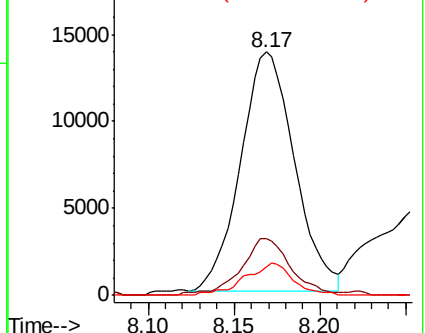
43 100

61 22.0 15.1 22.7

87 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.280 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055505.D

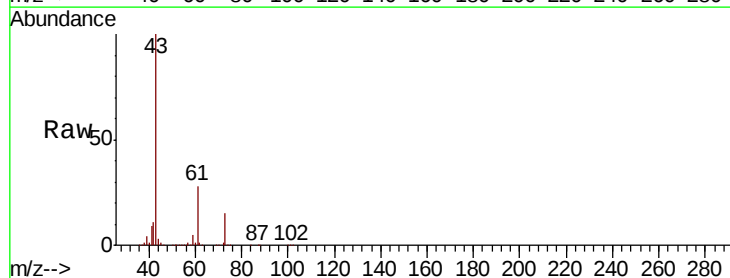
Acq: 9 May 2019 18:34

Tgt Ion: 63 Resp: 3742

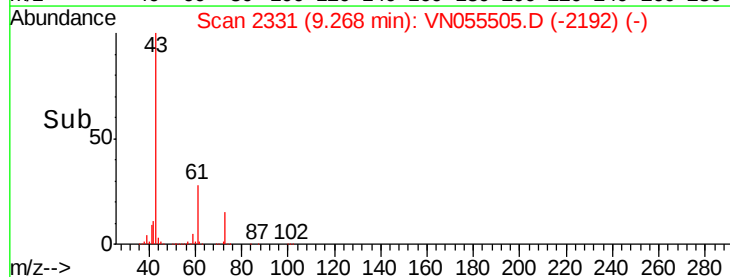
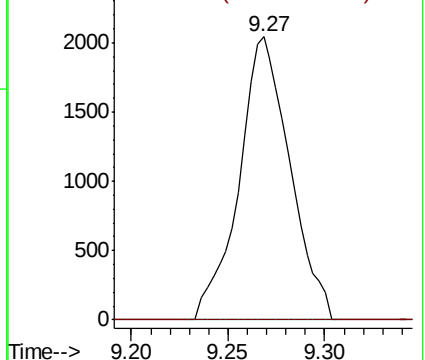
Ion Ratio Lower Upper

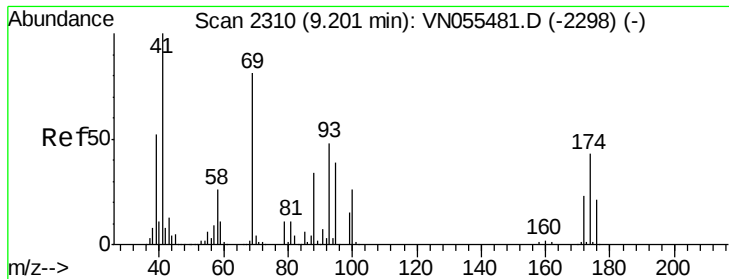
63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0





#48

Methvl methacrylate

Concen: 1.528 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

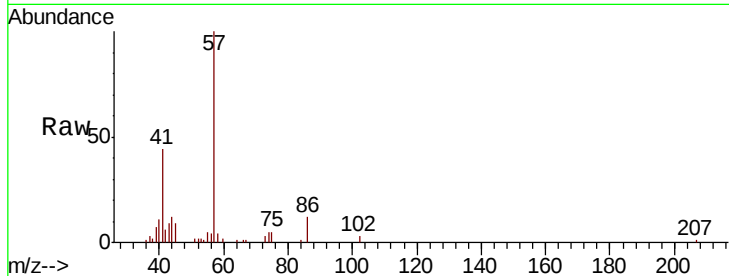
Tot Ion: 41 Resp: 18347

Ion Ratio Lower Upper

41 100

69 1.0 64.2 96.2#

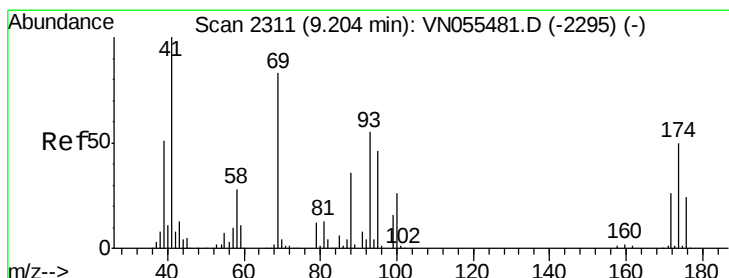
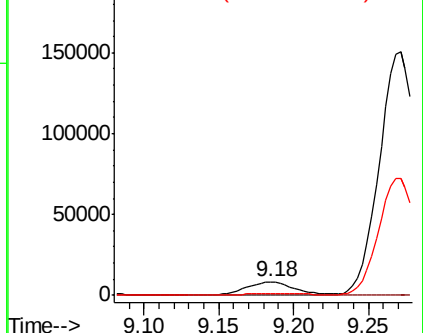
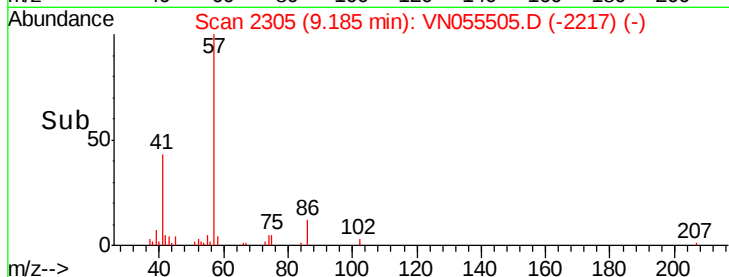
39 0.0 41.6 62.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.329 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

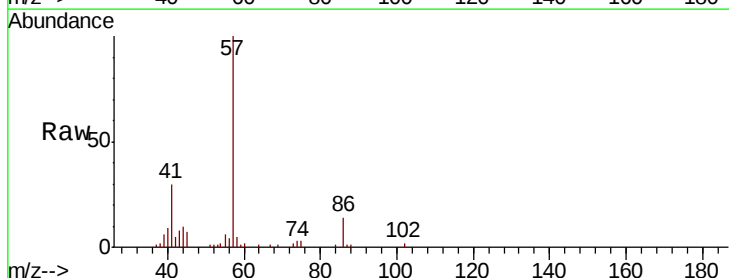
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8#

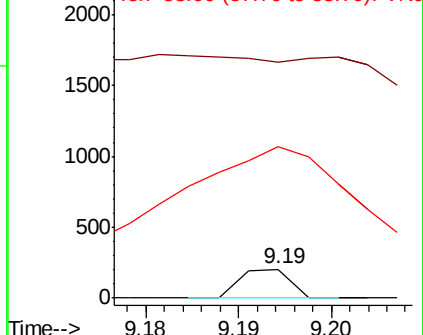
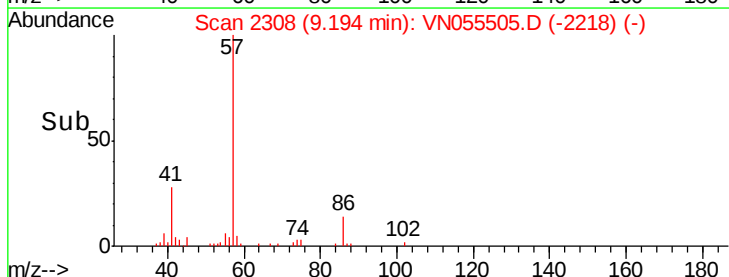
58 2745.5 61.8 92.6#

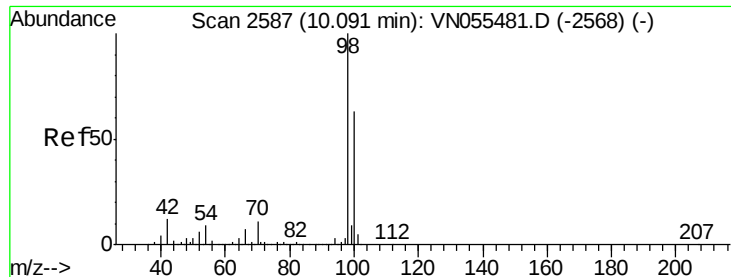


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 48.722 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

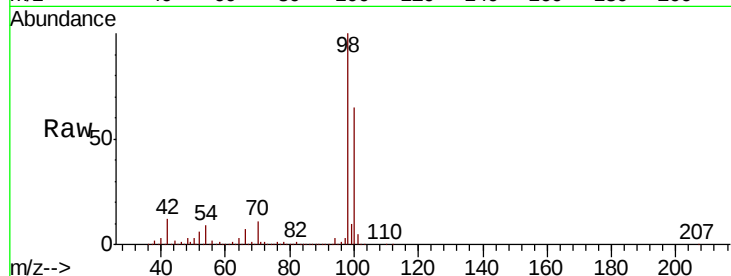
ClientSampleId :

Tot Ion: 98 Resp: 1869202

Ion Ratio Lower Upper

98 100

100 63.8 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

800000

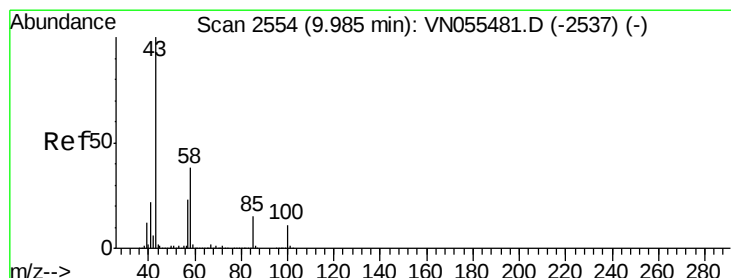
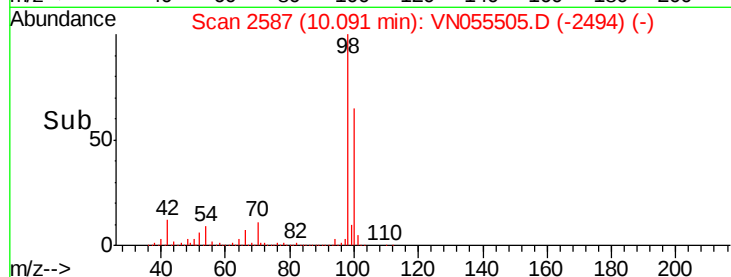
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.804 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055505.D

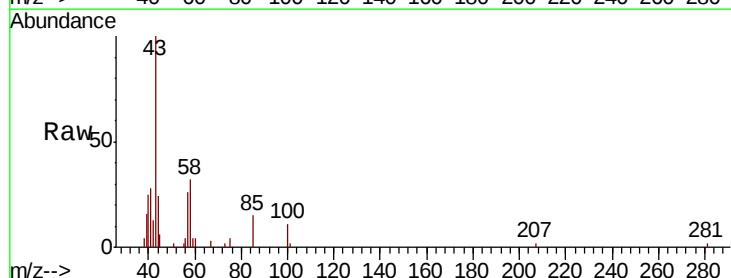
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 13173

Ion Ratio Lower Upper

43 100

58 36.7 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

12000

10000

8000

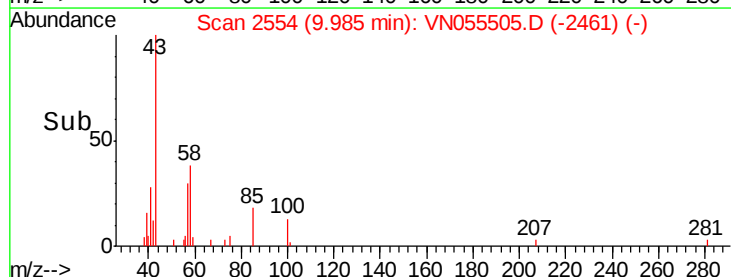
6000

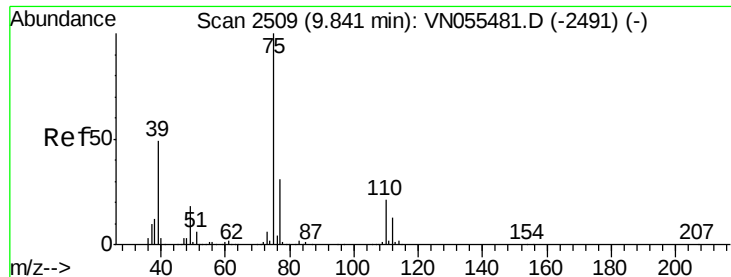
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.128 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

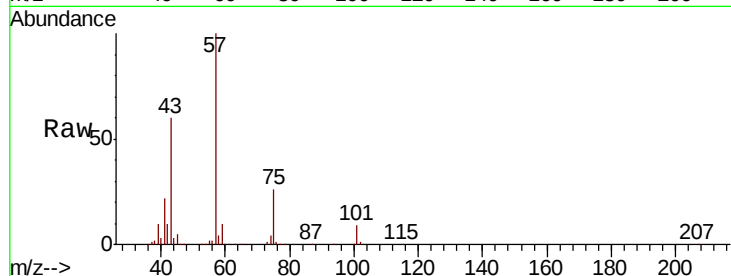
Tot Ion: 75 Resp: 104117

Ion Ratio Lower Upper

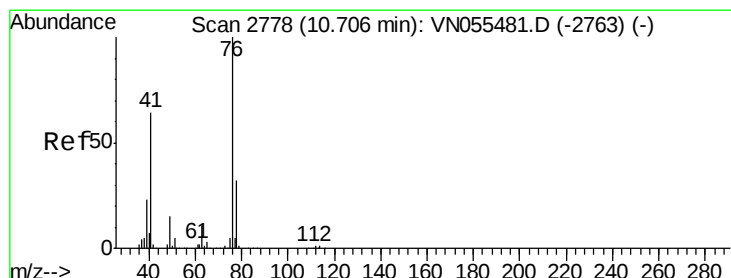
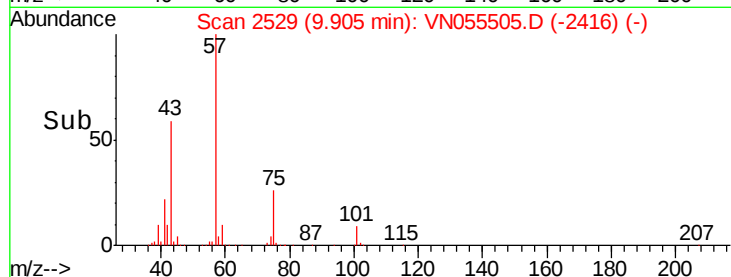
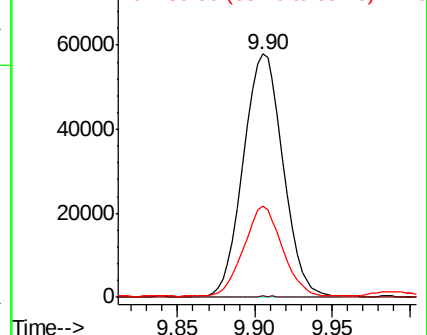
75 100

77 0.5 24.4 36.6#

39 37.2 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.233 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055505.D

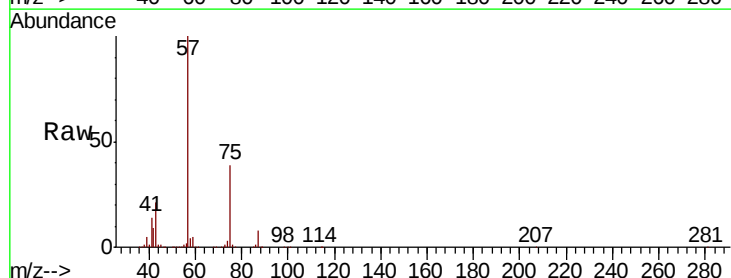
Acq: 9 May 2019 18:34

Tgt Ion: 76 Resp: 23654

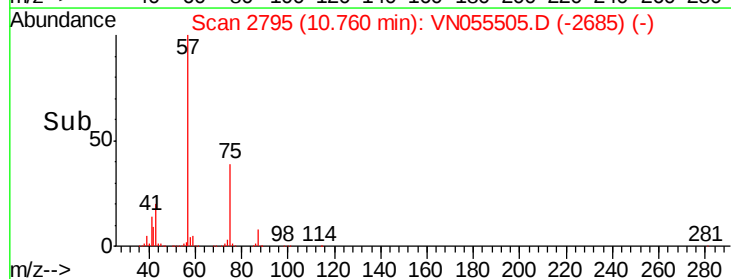
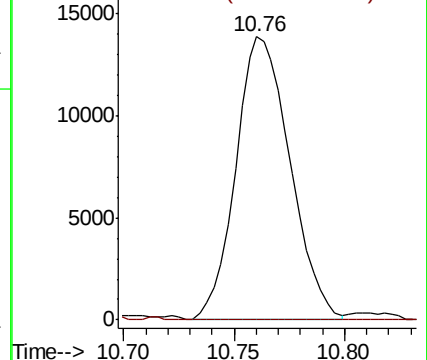
Ion Ratio Lower Upper

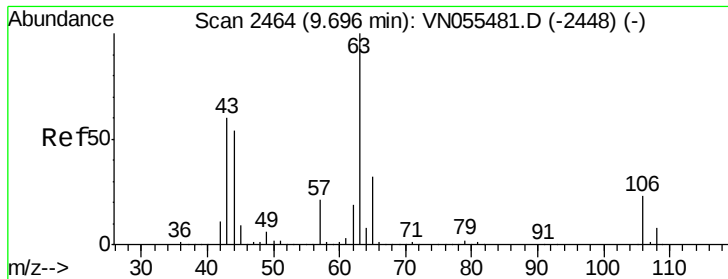
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 12.561 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

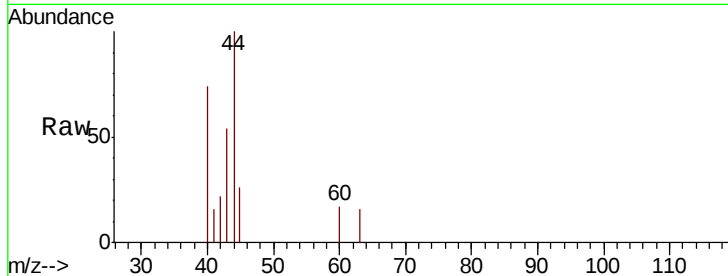
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 280

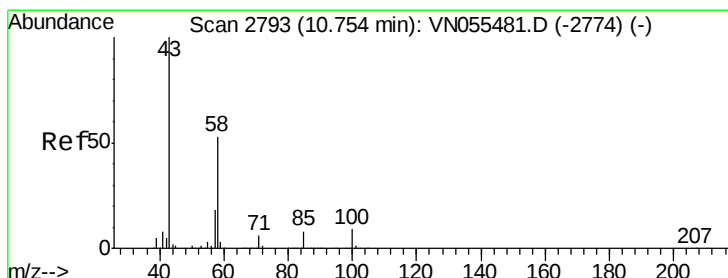
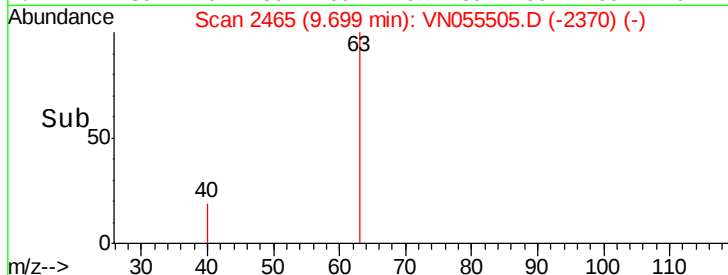
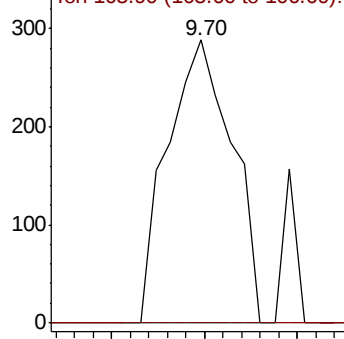
Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN055505.D (-2370) (-)



#59

2-Hexanone

Concen: 32.062 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055505.D

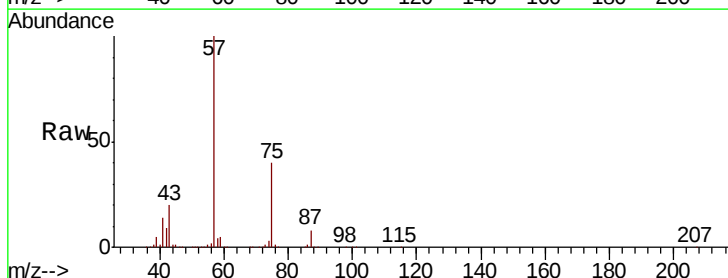
Acq: 9 May 2019 18:34

Tgt Ion: 43 Resp: 368475

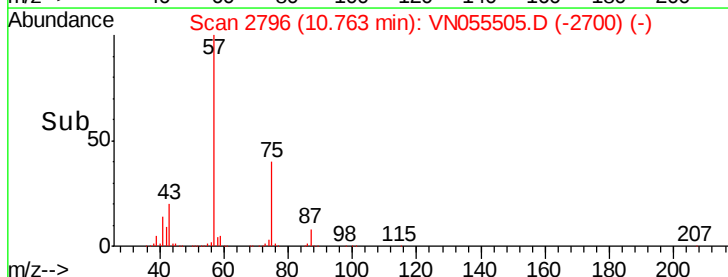
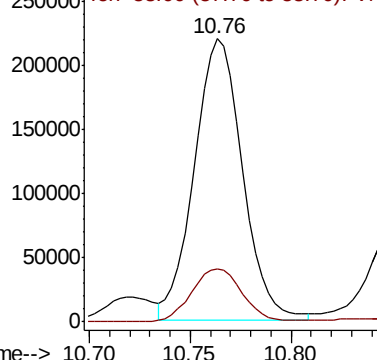
Ion Ratio Lower Upper

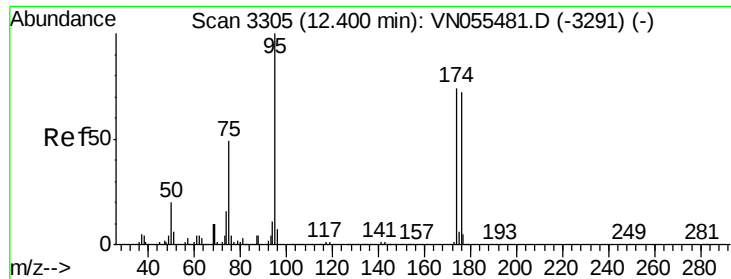
43 100

58 20.0 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VN055505.D (-2700) (-)





#62

4-Bromofluorobenzene

Concen: 42.181 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

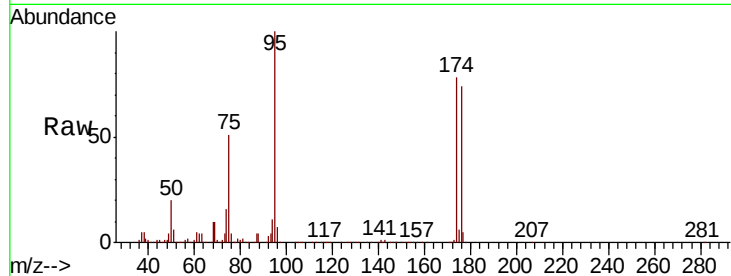
Tot Ion: 95 Resp: 545652

Ion Ratio Lower Upper

95 100

174 78.9 0.0 152.2

176 75.1 0.0 147.8

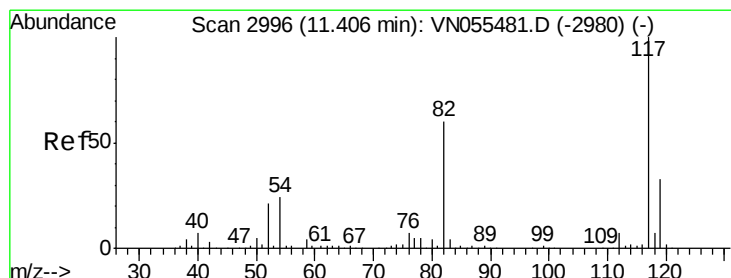
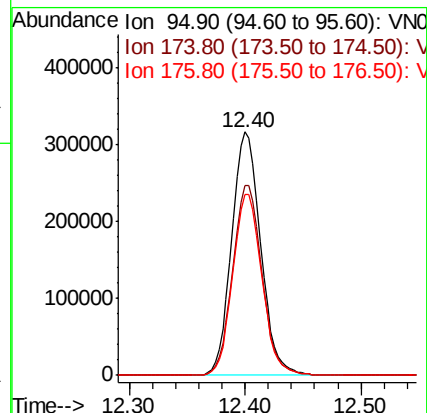
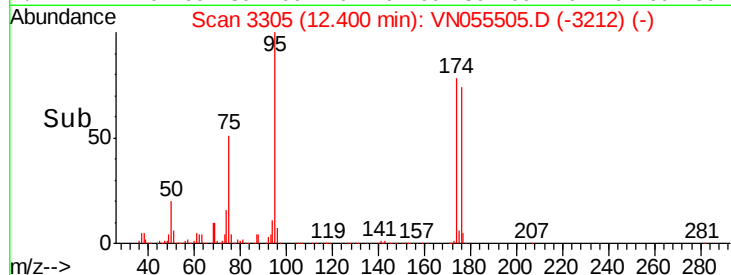


Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

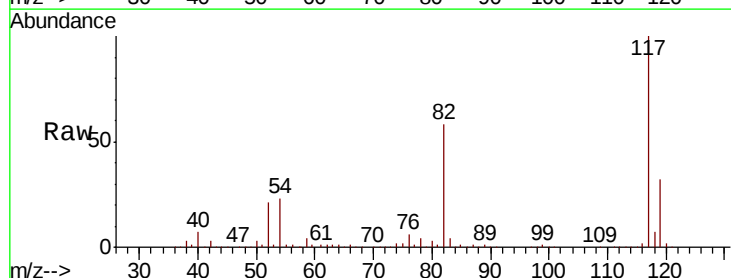
Tgt Ion: 117 Resp: 1279024

Ion Ratio Lower Upper

117 100

82 58.2 48.0 72.0

119 32.0 26.0 39.0

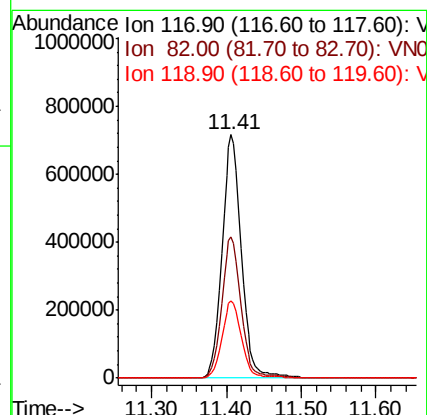
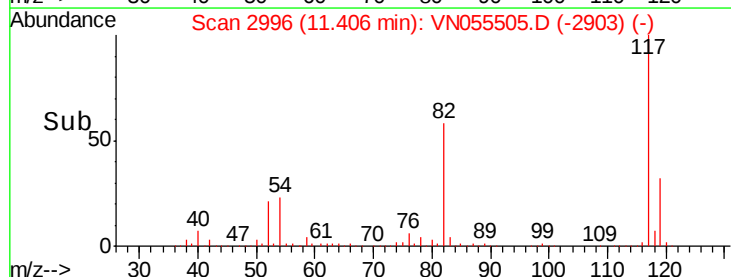


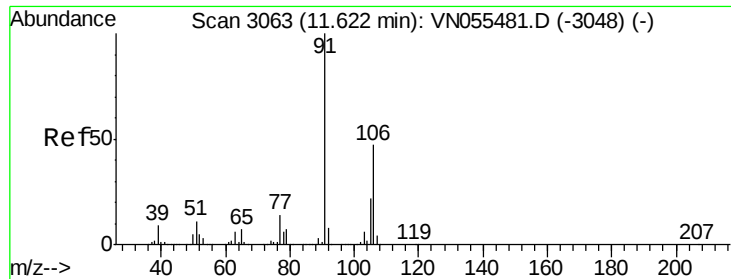
Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055481.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055481.D (-2980) (-)

Time--> 11.30 11.40 11.50 11.60

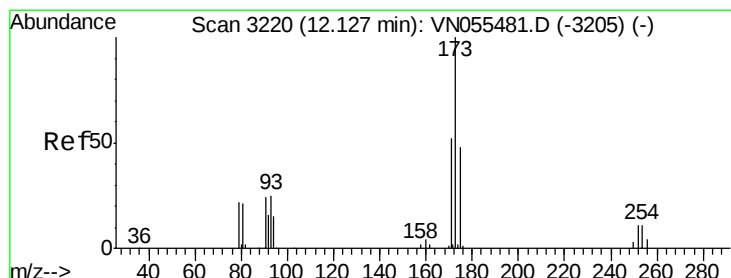
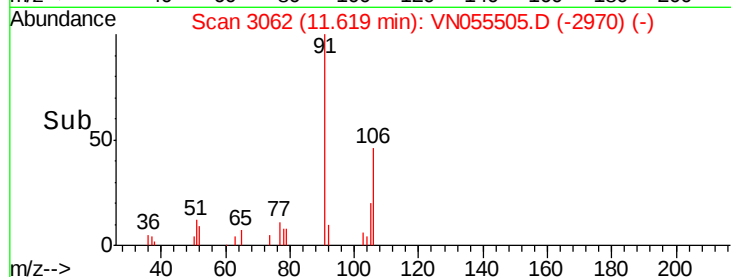
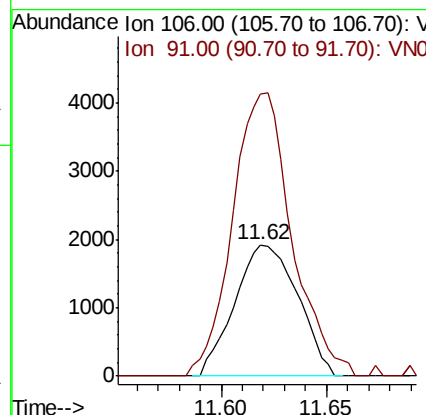
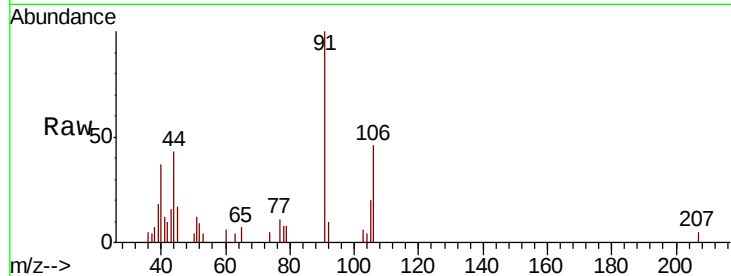




#68
m/p-Xvlenes
Concen: 0.225 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

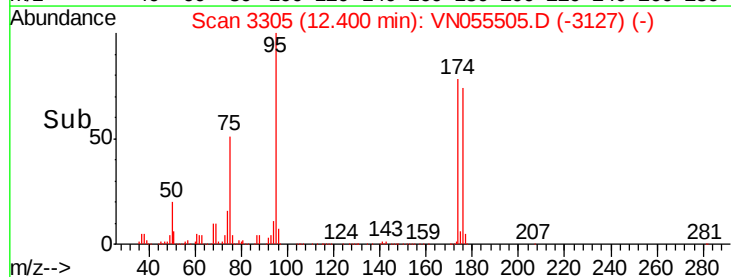
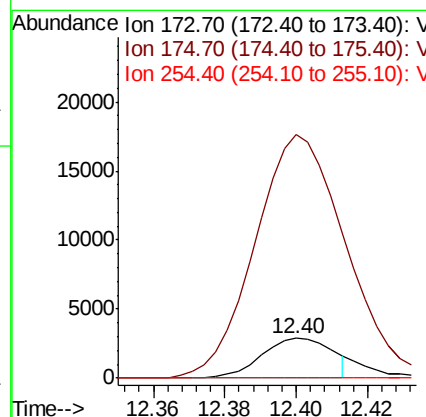
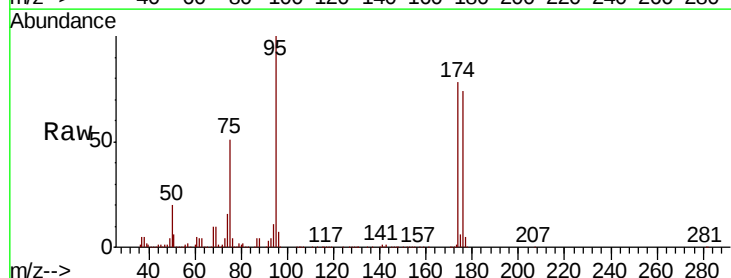
Instrument :
MSVOA_N
ClientSampled :

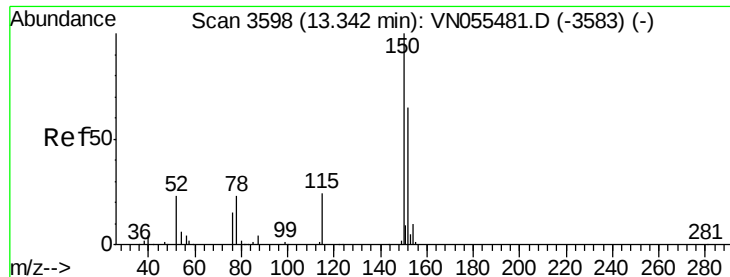
Tot Ion:106 Resp: 3998
Ion Ratio Lower Upper
106 100
91 203.2 169.2 253.8



#71
Bromoform
Concen: 0.645 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion:173 Resp: 3944
Ion Ratio Lower Upper
173 100
175 673.3 24.1 72.4#
254 0.0 0.1 0.1#



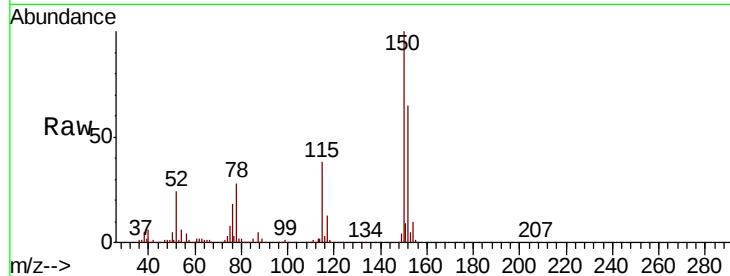


#72

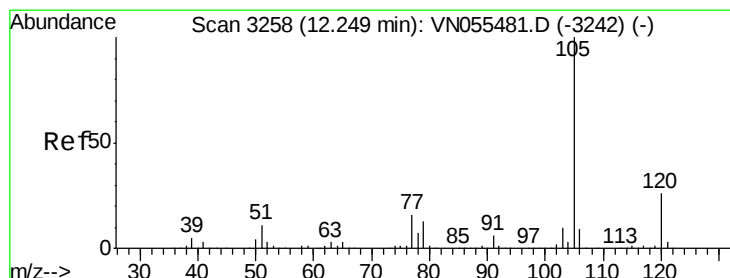
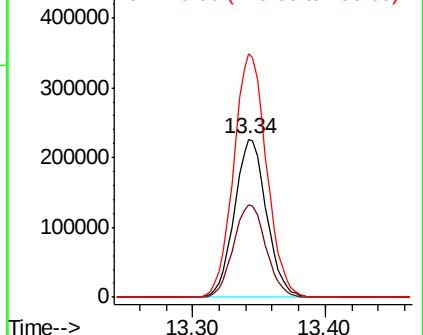
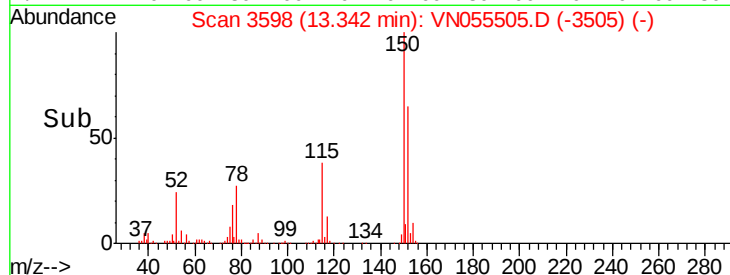
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 379170
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 158.0 0.0 355.0



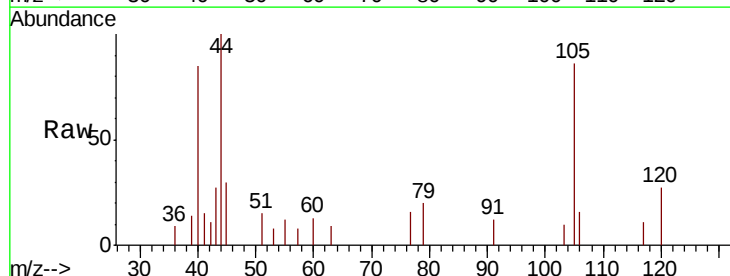
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



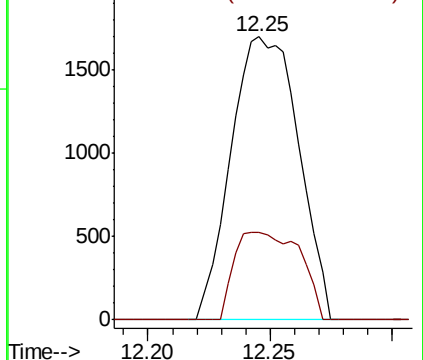
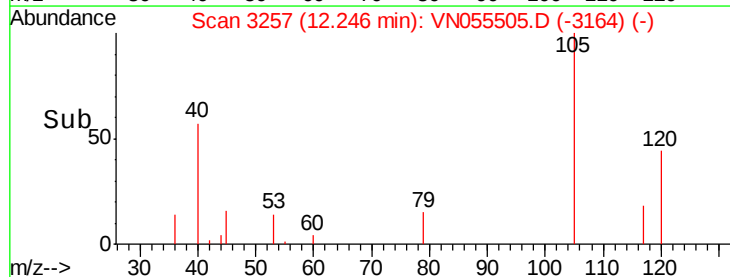
#73

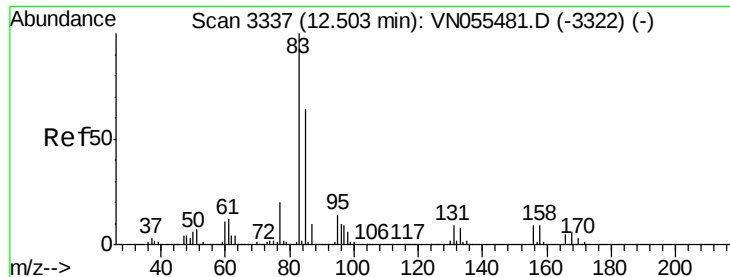
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055505.D
Acq: 9 May 2019 18:34

Tgt Ion:105 Resp: 3268
Ion Ratio Lower Upper
105 100
120 30.2 13.0 39.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

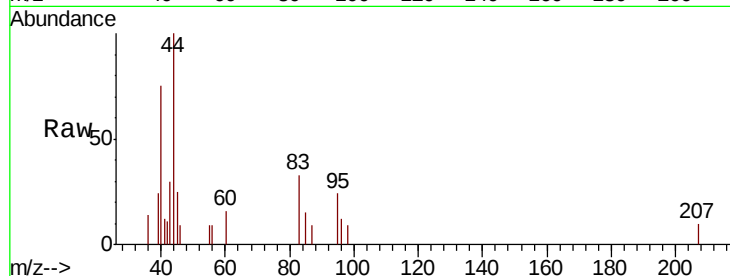
Tot Ion: 83 Resp: 963

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

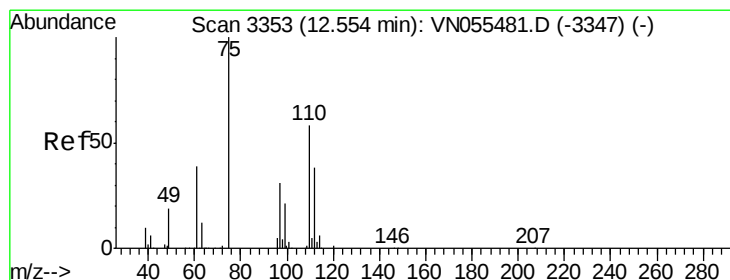
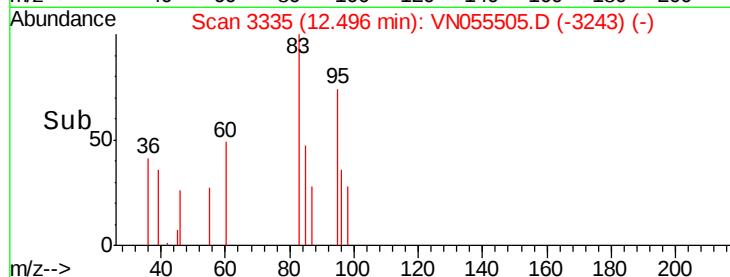
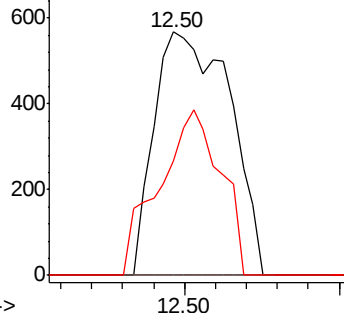
85 55.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.482 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055505.D

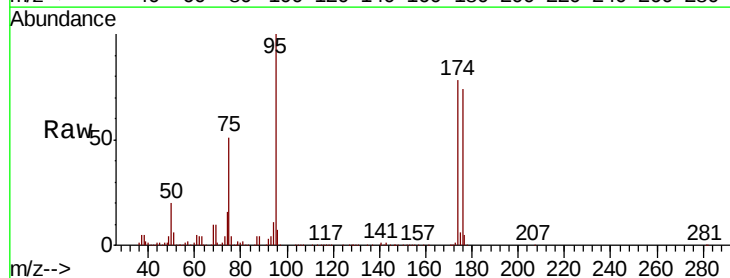
Acq: 9 May 2019 18:34

Tgt Ion: 75 Resp: 273353

Ion Ratio Lower Upper

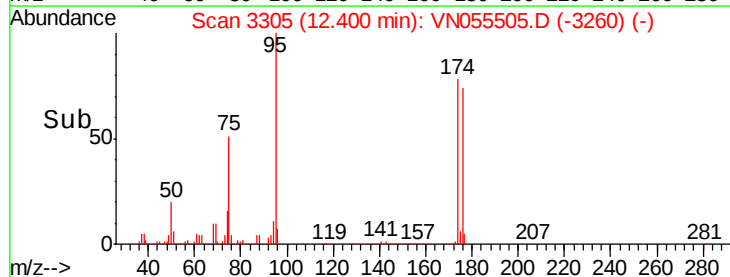
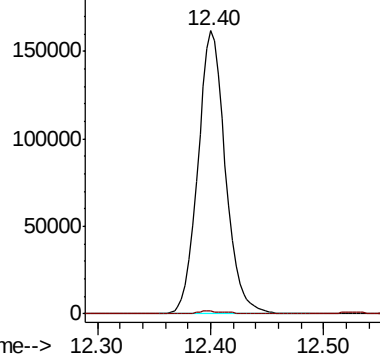
75 100

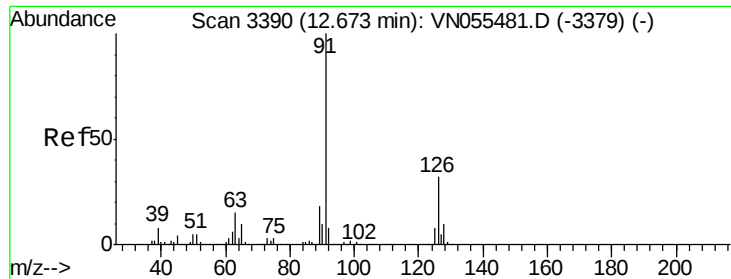
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: 0.214 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

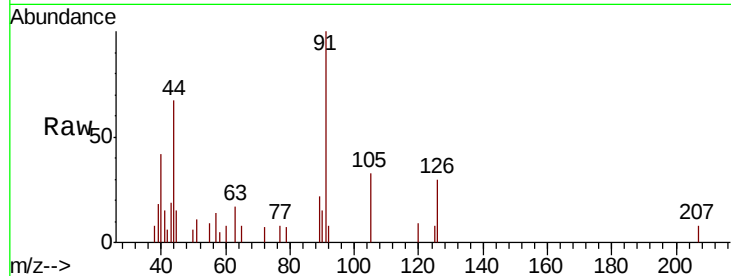
ClientSampleId :

Tot Ion: 91 Resp: 5413

Ion Ratio Lower Upper

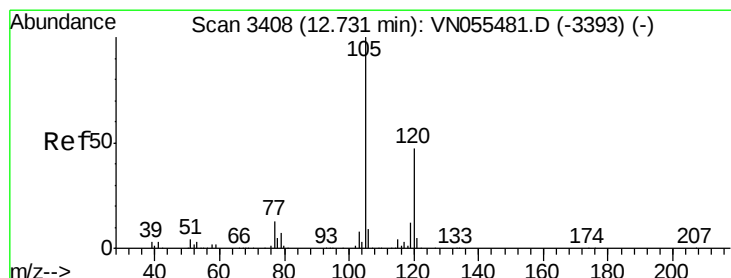
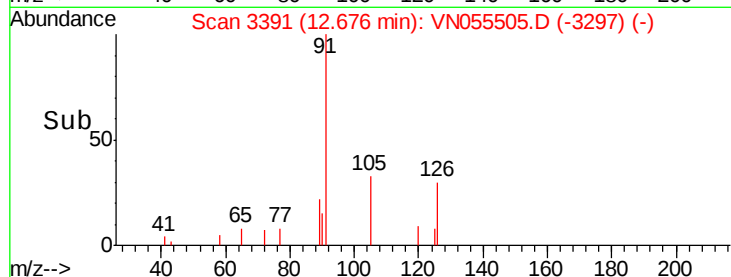
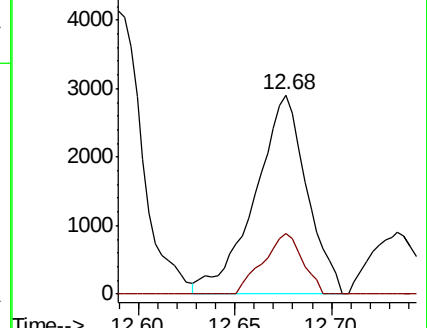
91 100

126 23.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.373 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055505.D

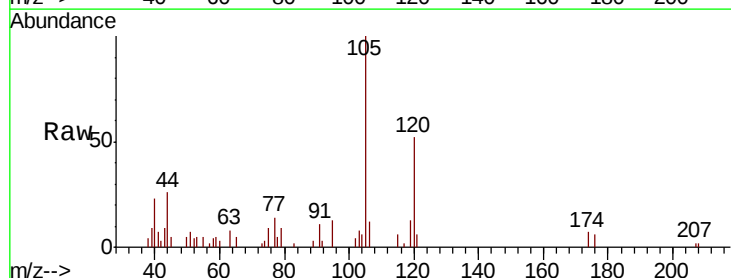
Acq: 9 May 2019 18:34

Tgt Ion: 105 Resp: 11305

Ion Ratio Lower Upper

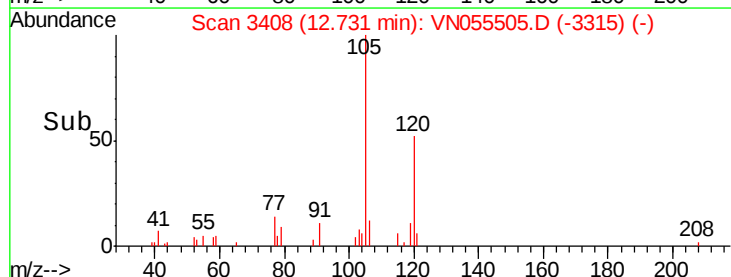
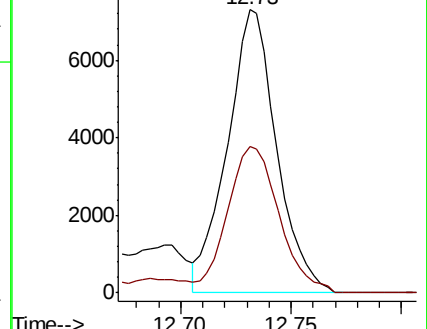
105 100

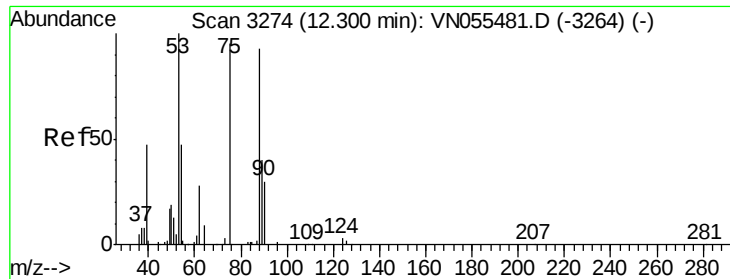
120 54.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.714 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

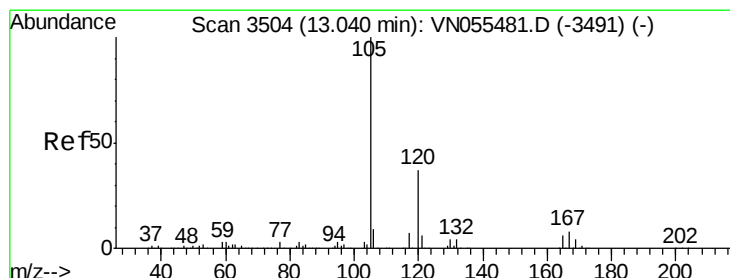
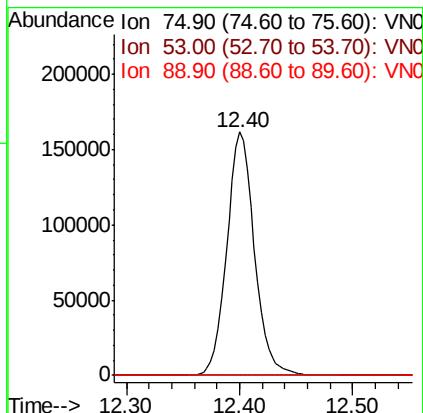
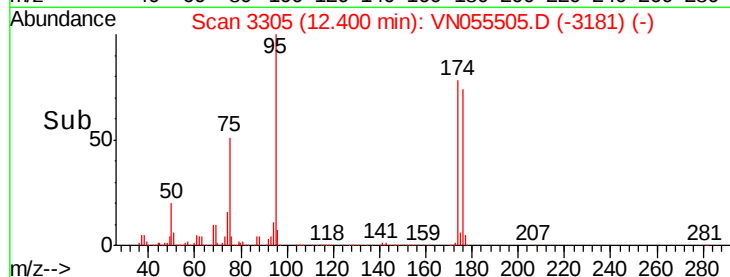
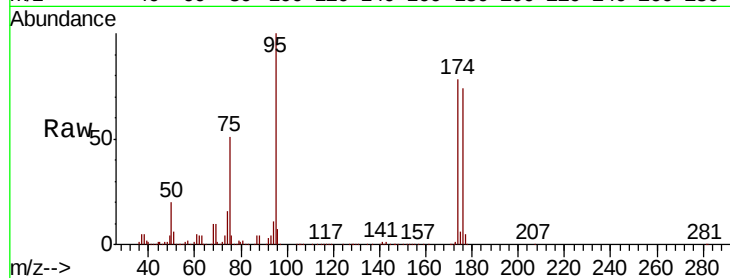
Tot Ion: 75 Resp: 273353

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#



#84

1,2,4-Trimethylbenzene

Concen: 0.359 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055505.D

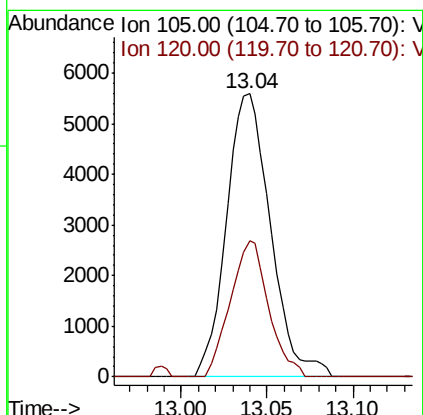
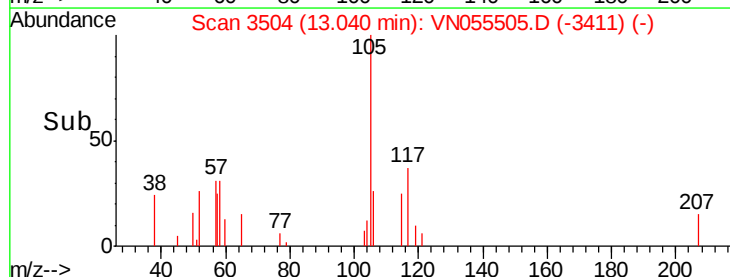
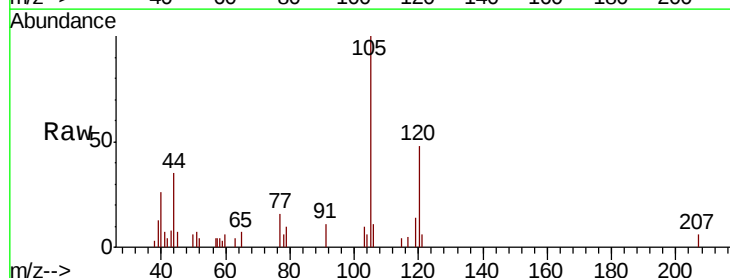
Acq: 9 May 2019 18:34

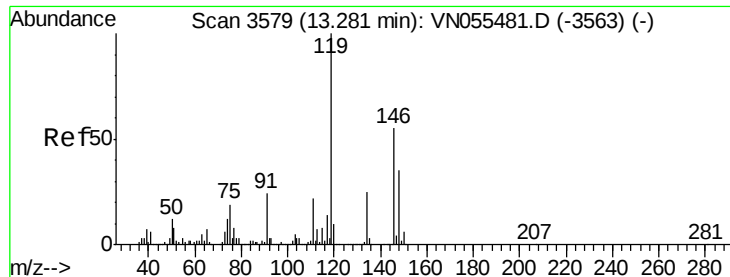
Tgt Ion: 105 Resp: 9994

Ion Ratio Lower Upper

105 100

120 41.7 22.1 66.5





#87

1,3-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

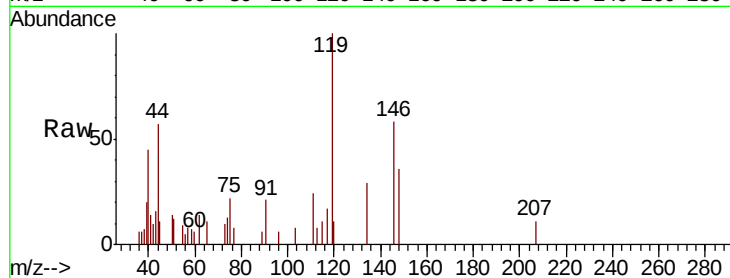
Tot Ion:146 Resp: 2633

Ion Ratio Lower Upper

146 100

111 44.6 20.4 61.3

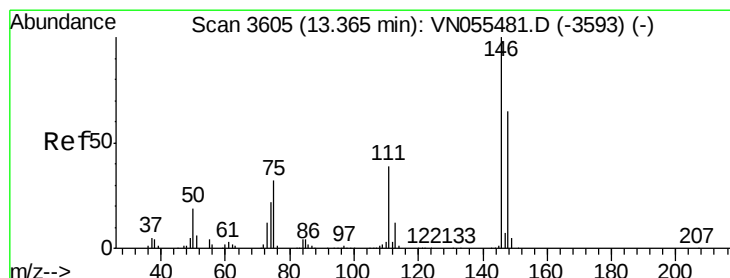
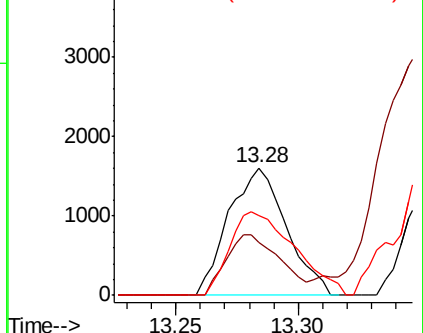
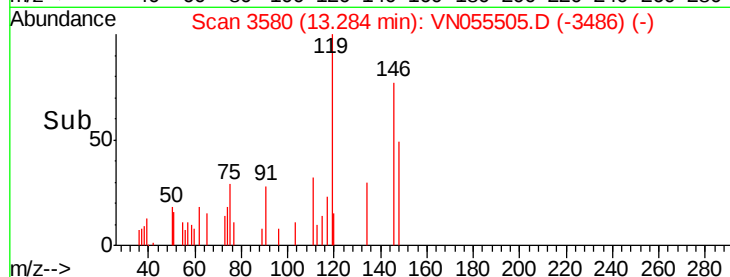
148 73.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.207 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

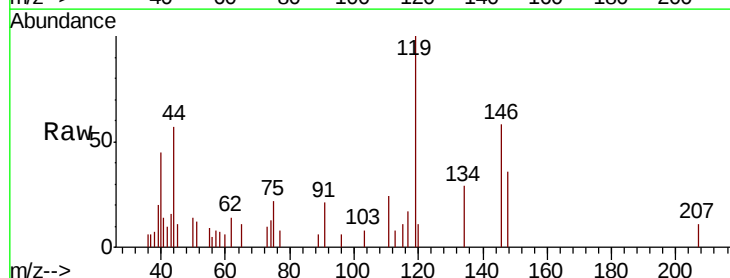
Tgt Ion:146 Resp: 2633

Ion Ratio Lower Upper

146 100

111 44.6 19.6 58.8

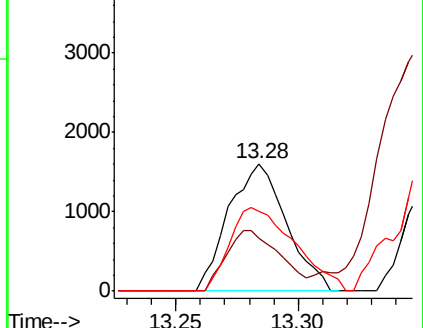
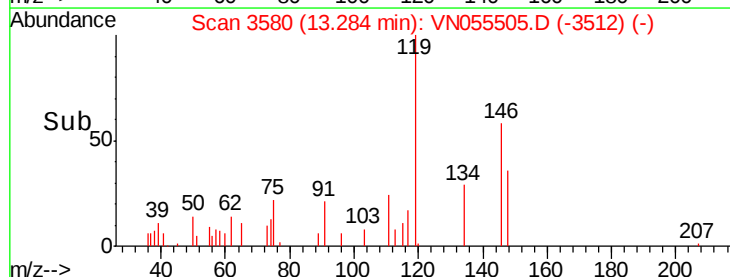
148 73.5 32.5 97.4

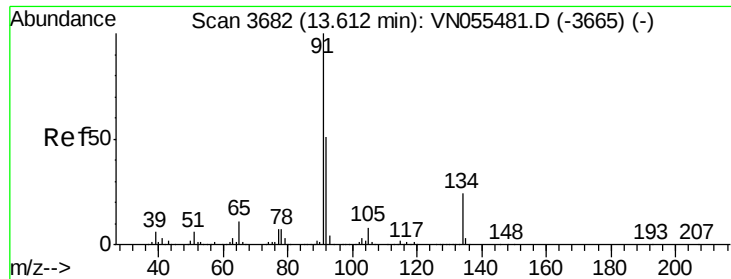


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.324 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055505.D

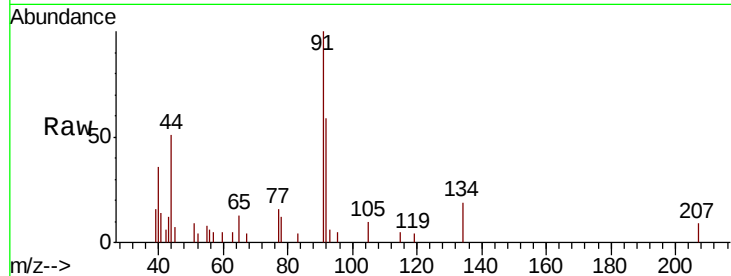
Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

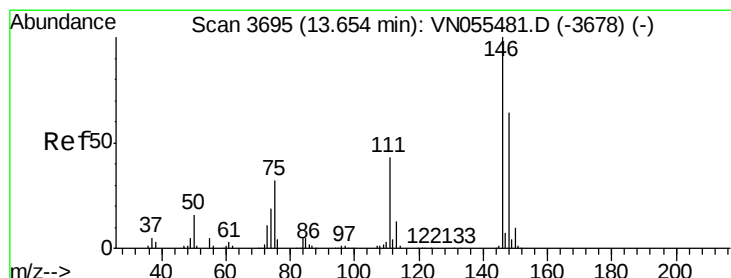
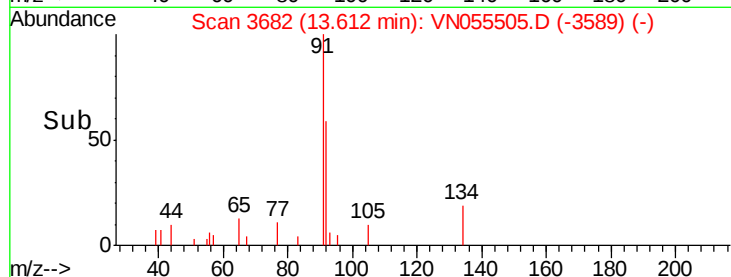
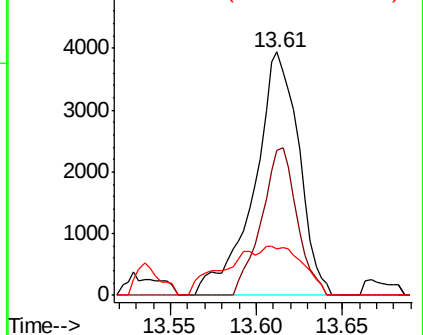
Tot Ion:	91	Resp:	7067
Ion	Ratio	Lower	Upper
91	100		
92	48.5	25.9	77.7
134	0.0	11.8	35.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)



#91

1,2-Dichlorobenzene

Concen: 0.285 ug/l

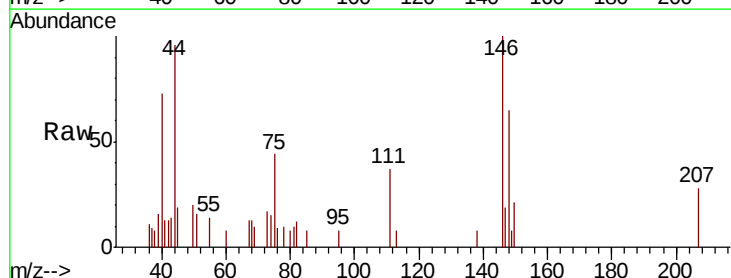
RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

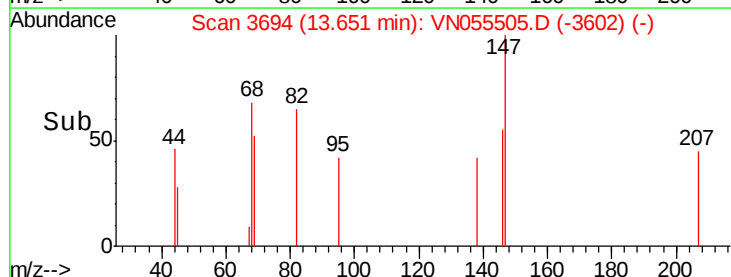
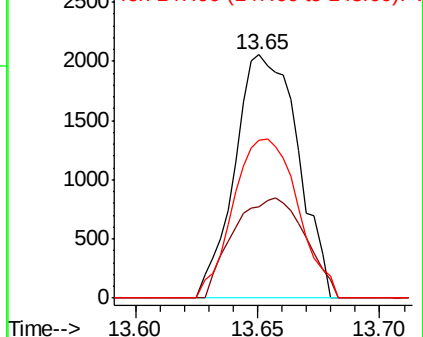
Tgt Ion:	146	Resp:	3681
Ion	Ratio	Lower	Upper
146	100		
111	47.3	21.3	63.7
148	67.3	31.9	95.9

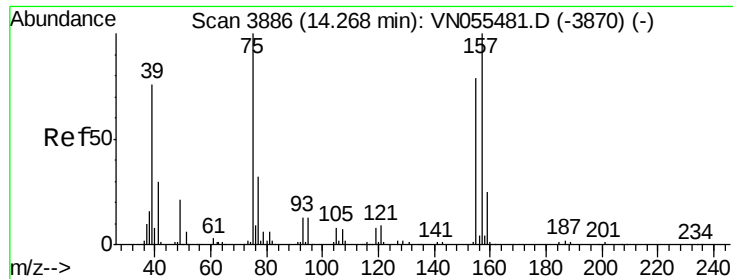


Abundance Ion 145.90 (145.60 to 146.60): VN055481.D (-3678) (-)

Ion 110.90 (110.60 to 111.60): VN055481.D (-3678) (-)

Ion 147.90 (147.60 to 148.60): VN055481.D (-3678) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.239 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

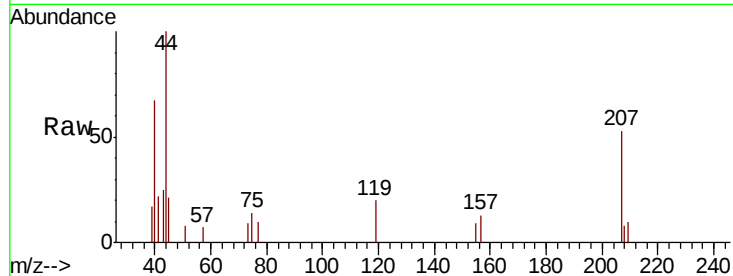
Tot Ion: 75 Resp: 416

Ion Ratio Lower Upper

75 100

155 55.3 39.3 117.8

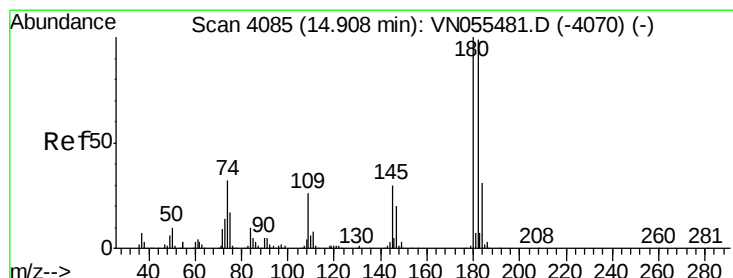
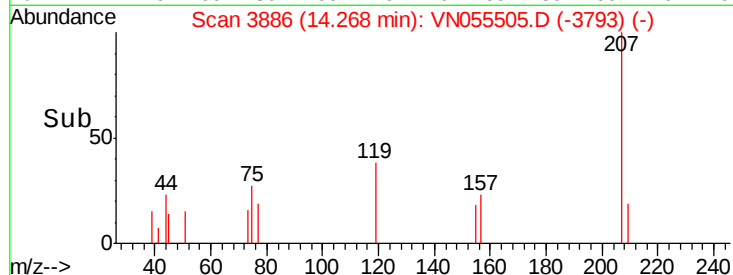
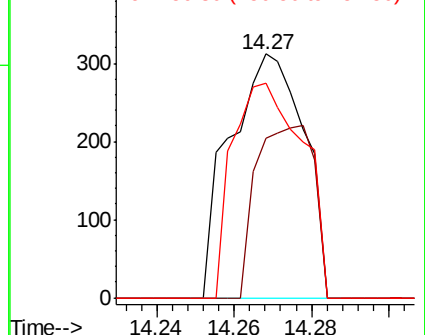
157 83.7 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VN055505.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN055505.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN055505.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.861 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

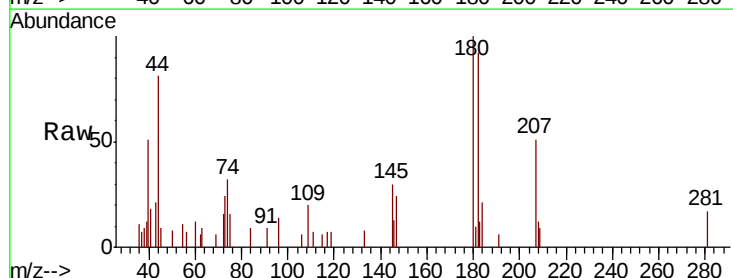
Tgt Ion: 180 Resp: 3940

Ion Ratio Lower Upper

180 100

182 94.5 48.7 146.1

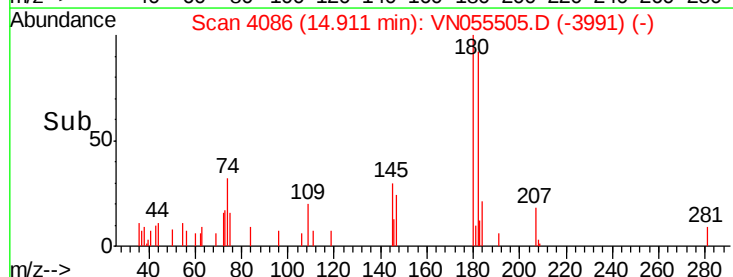
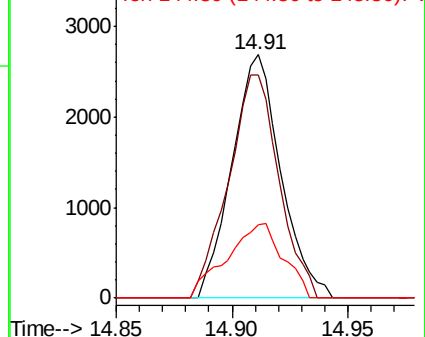
145 35.1 15.3 45.9

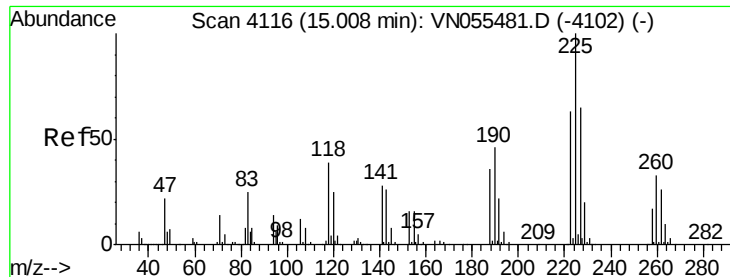


Abundance Ion 179.80 (179.50 to 180.50): VN055505.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055505.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055505.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

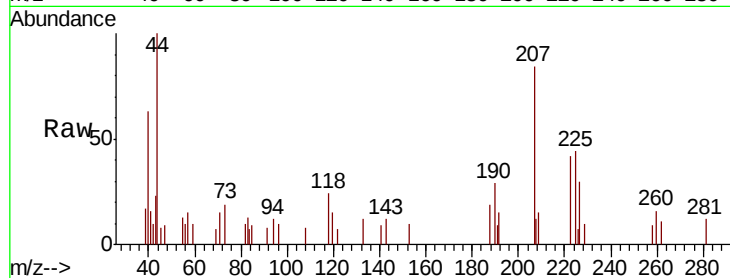
Tot Ion:225 Resp: 1658

Ion Ratio Lower Upper

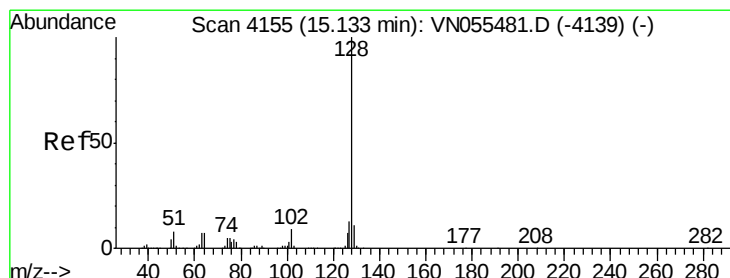
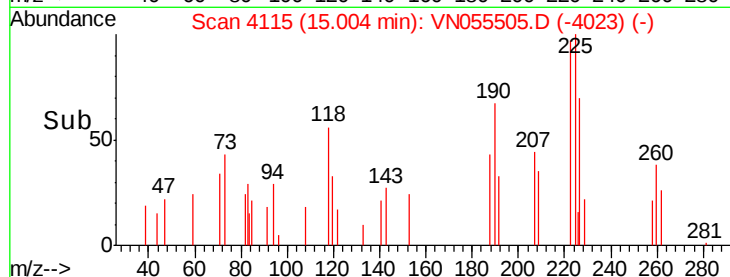
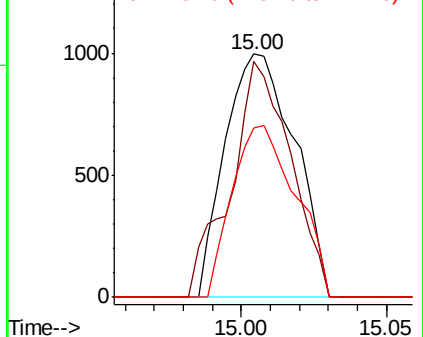
225 100

223 83.8 31.4 94.3

227 64.6 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: 4.705 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055505.D

Acq: 9 May 2019 18:34

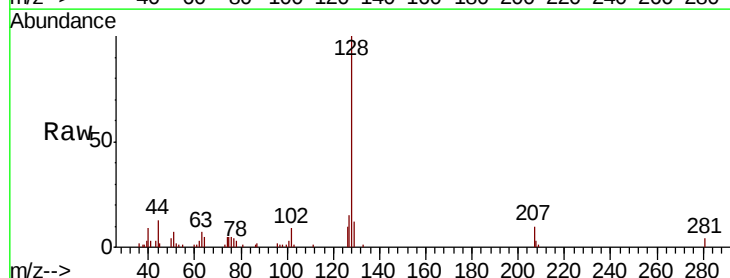
Tgt Ion:128 Resp: 29701

Ion Ratio Lower Upper

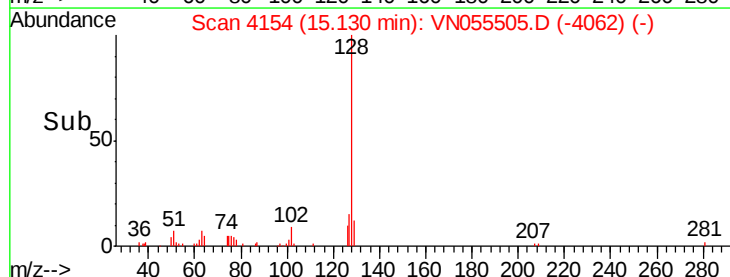
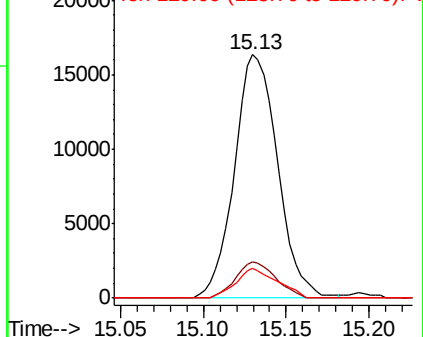
128 100

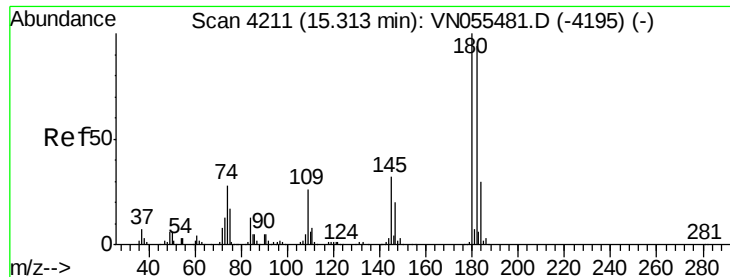
127 13.8 10.0 15.0

129 11.6 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

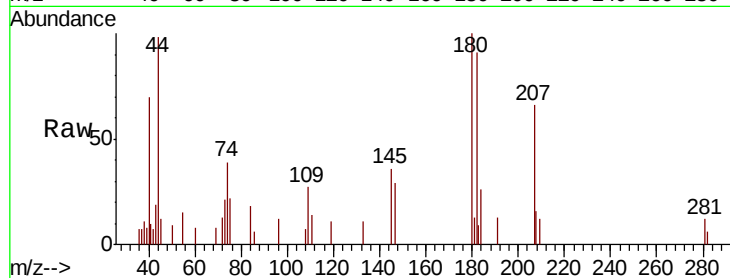




#96
 1,2,3-Trichlorobenzene
 Concen: 3.178 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055505.D
 Acq: 9 May 2019 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.1	141.3
145	49.5	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

