

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055525.D
 Acq On : 10 May 2019 3:44
 Operator : JC/SP
 Sample : K2758-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-05

Quant Time: May 10 04:22:26 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

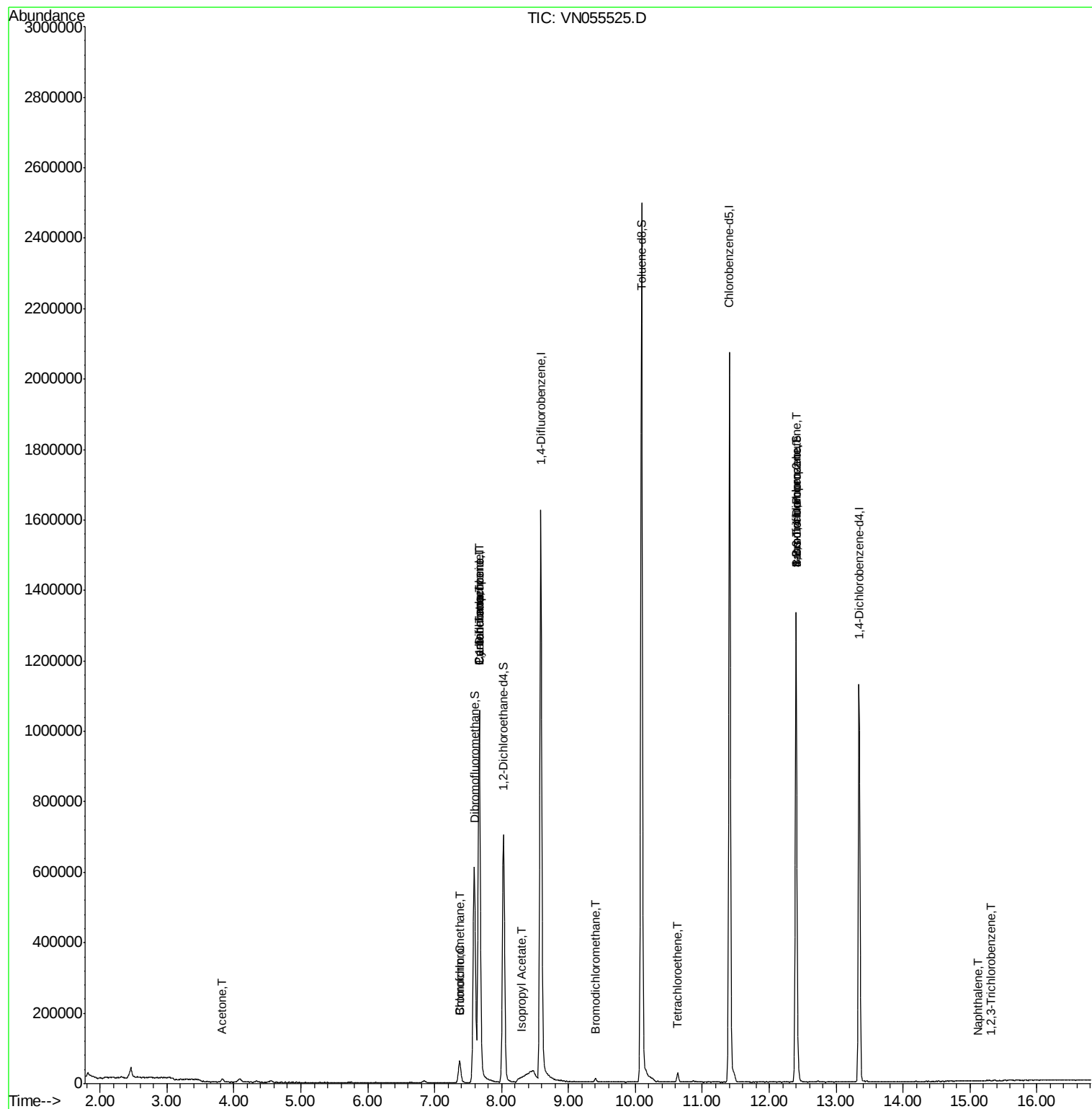
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	883666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1487397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1230869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	313912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	599343	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
35) Dibromofluoromethane	7.59	113	467010	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.09	98	1822584	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	503727	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	14953	2.427	ug/l	94
18) Methyl Acetate	4.33	43	2361	Below Cal		93
28) Bromochloromethane	7.37	49	5071	0.450	ug/l #	21
30) Chloroform	7.37	83	66628	3.321	ug/l	99
31) Cyclohexane	7.66	56	18205	0.848	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	71298	4.866	ug/l #	50
38) Carbon Tetrachloride	7.67	117	84104	6.816	ug/l #	16
43) Isopropyl Acetate	8.30	43	18832	0.775	ug/l #	63
47) Bromodichloromethane	9.41	83	7392	0.512	ug/l	90
64) Tetrachloroethene	10.63	164	6245	0.619	ug/l	91
71) Bromoform	12.41	173	3345	0.569	ug/l #	1
73) Isopropylbenzene	12.25	105	288	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.59	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	249009	29.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	249009	107.516	ug/l #	7
95) Naphthalene	15.13	128	29	2.939	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.32	180	31	2.429	ug/l #	13

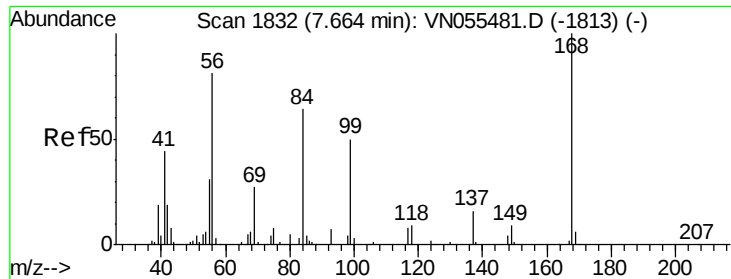
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

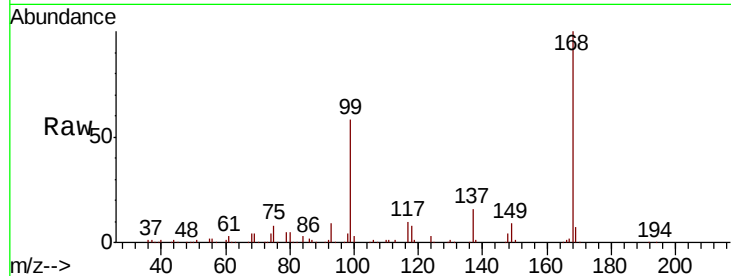
CKMW-05

Tot Ion:168 Resp: 883666

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

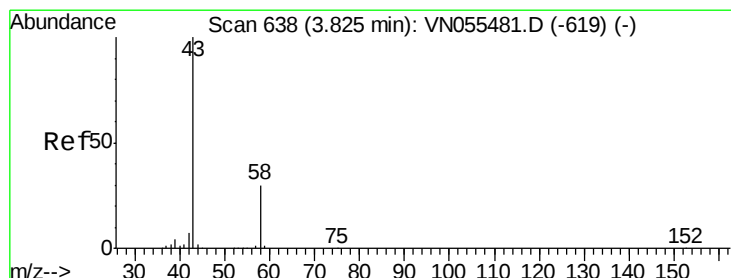
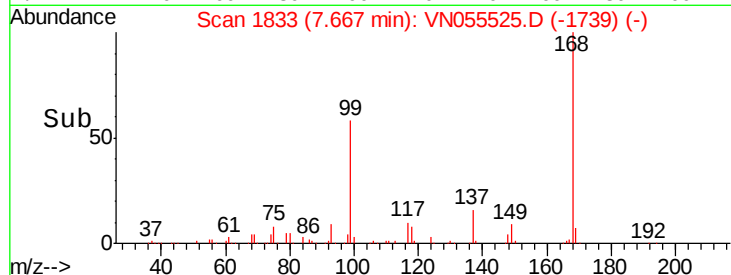
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 2.427 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055525.D

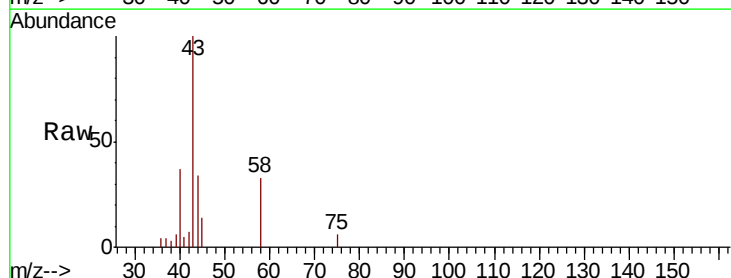
Acq: 10 May 2019 3:44

Tgt Ion: 43 Resp: 14953

Ion Ratio Lower Upper

43 100

58 33.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

6000

5000

4000

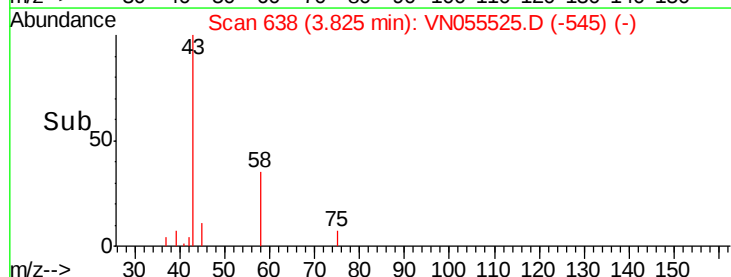
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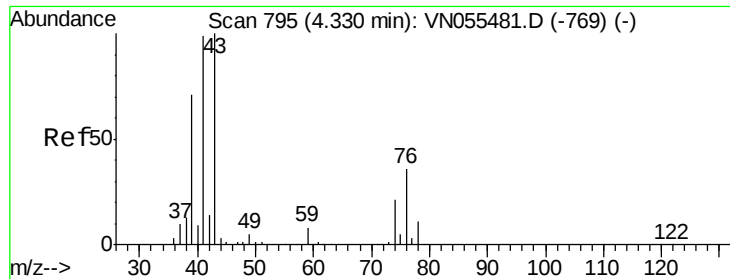
2000

1000

0

Time-->

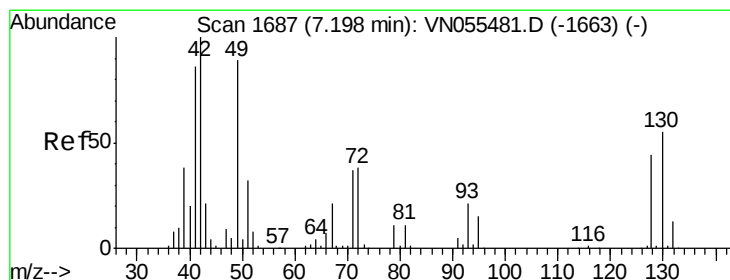
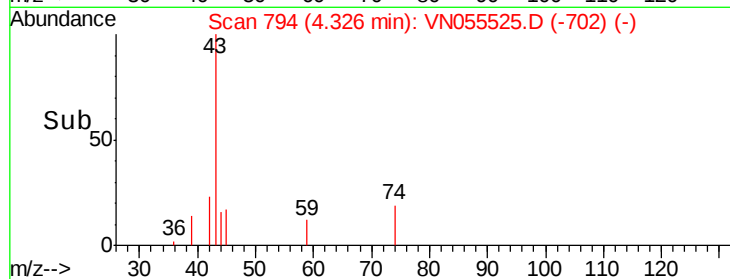
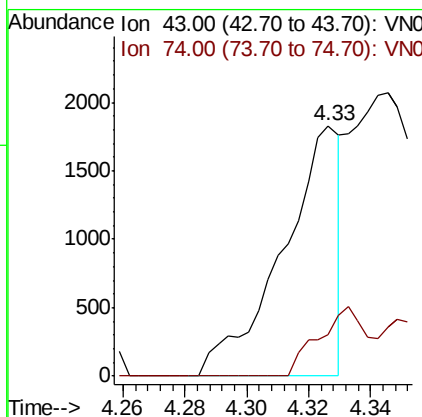
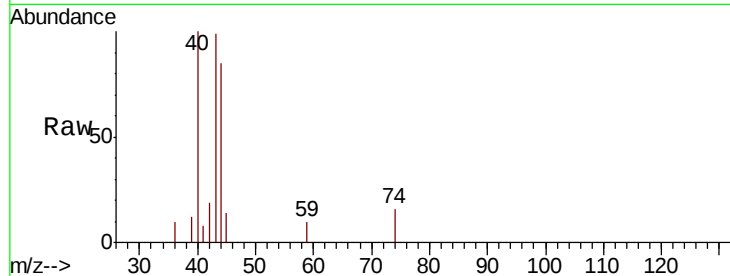




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

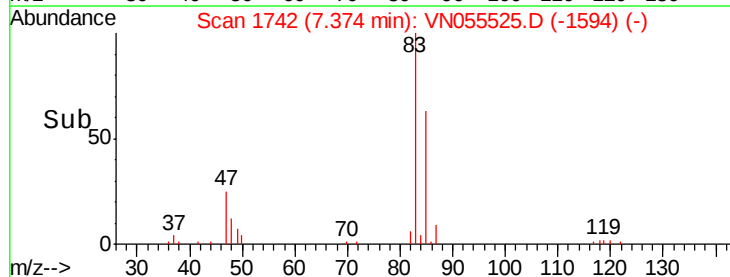
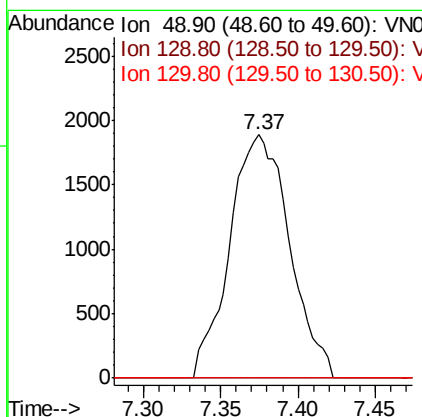
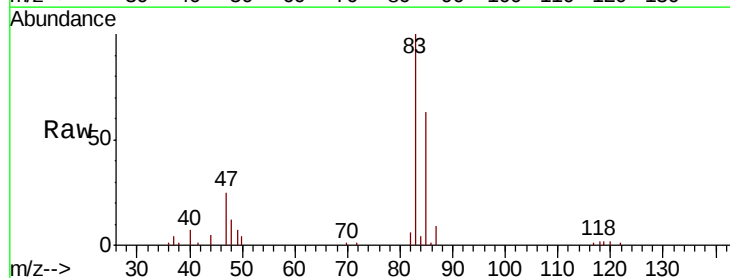
Instrument :
MSVOA_N
ClientSampleId :
CKMW-05

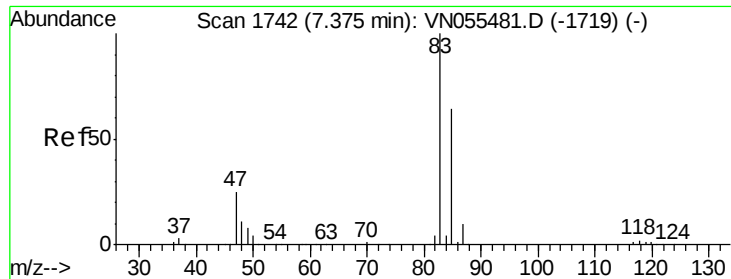
Tot Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
74 23.8 16.3 24.5



#28
Bromochloromethane
Concen: 0.450 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.18 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

Tgt Ion: 49 Resp: 5071
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 49.5 74.3#

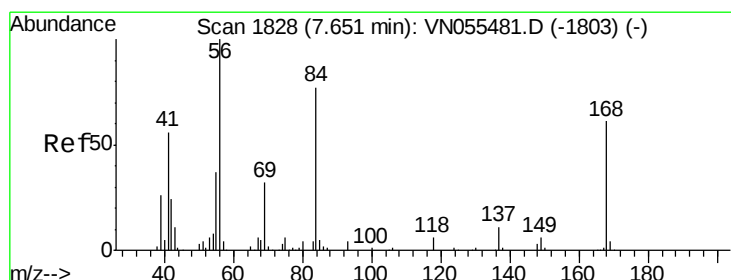
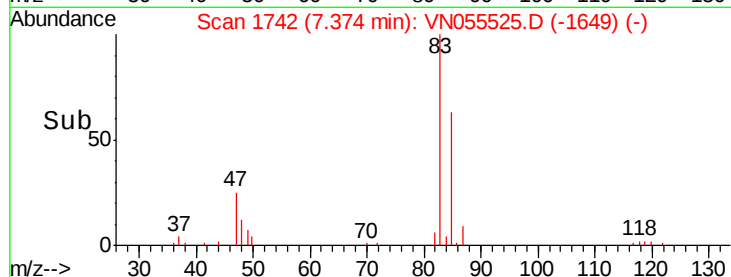
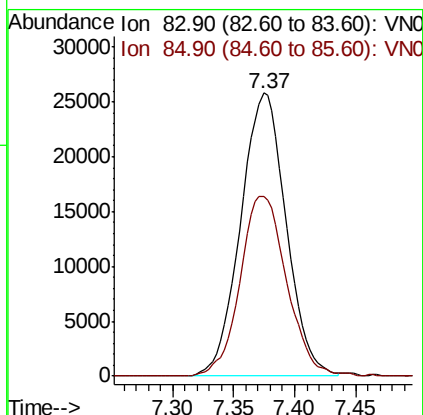
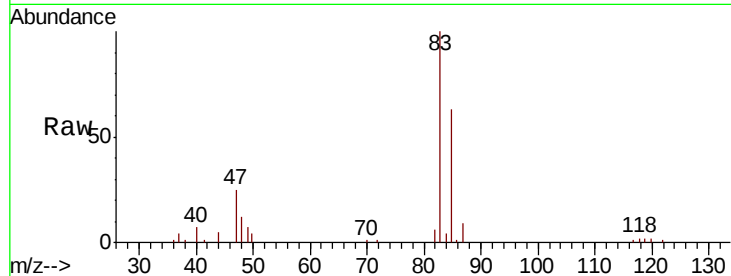




#30
Chloroform
Concen: 3.321 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

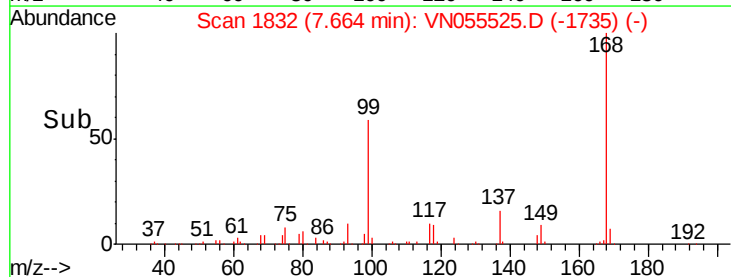
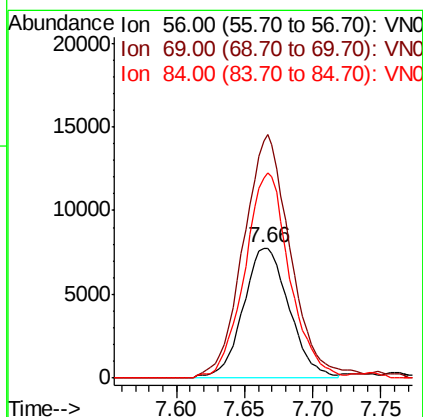
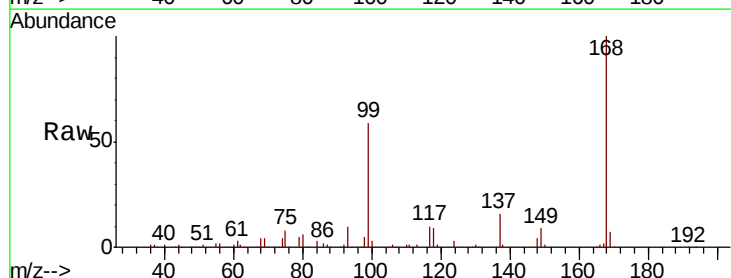
Instrument :
MSVOA_N
ClientSampleId :
CKMW-05

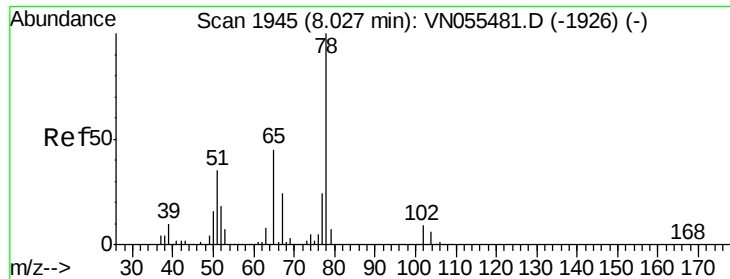
Tot Ion: 83 Resp: 66628
Ion Ratio Lower Upper
83 100
85 63.5 51.3 76.9



#31
Cyclohexane
Concen: 0.848 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

Tgt Ion: 56 Resp: 18205
Ion Ratio Lower Upper
56 100
69 182.3 26.0 39.0#
84 154.2 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 45.046 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

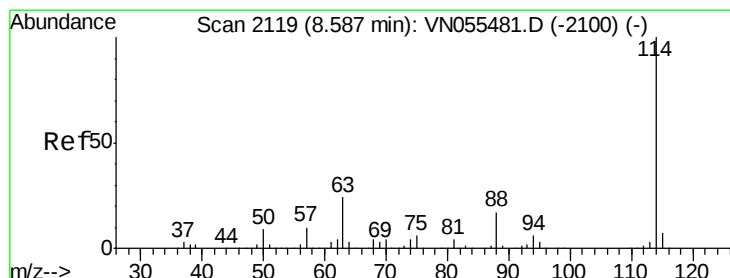
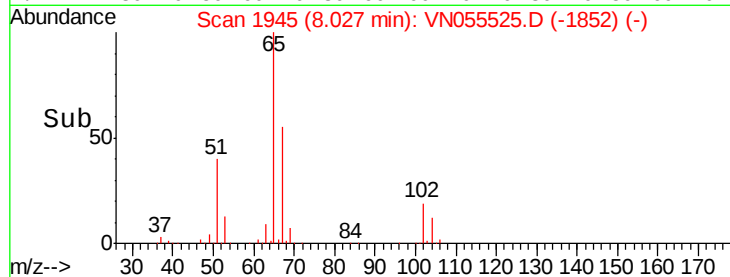
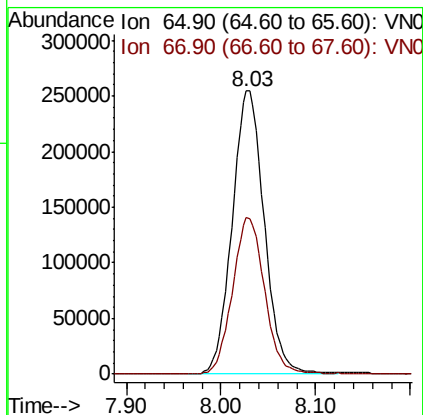
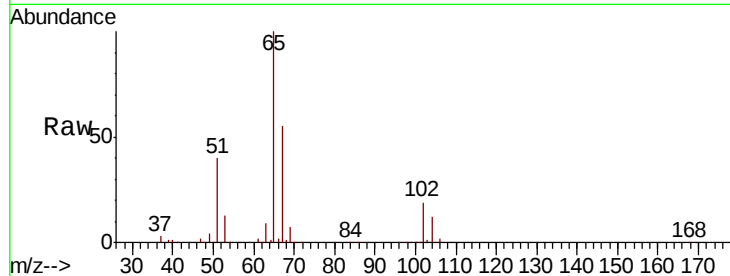
CKMW-05

Tot Ion: 65 Resp: 599343

Ion Ratio Lower Upper

65 100

67 55.2 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: VN055525.D

Acq: 10 May 2019 3:44

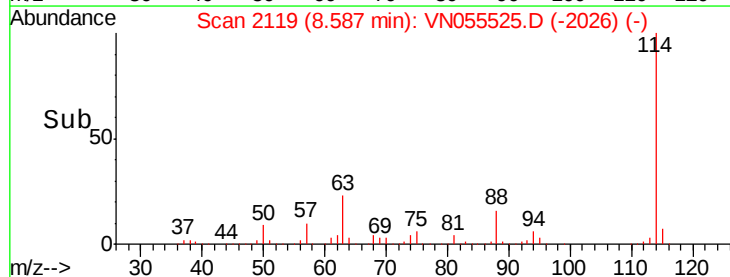
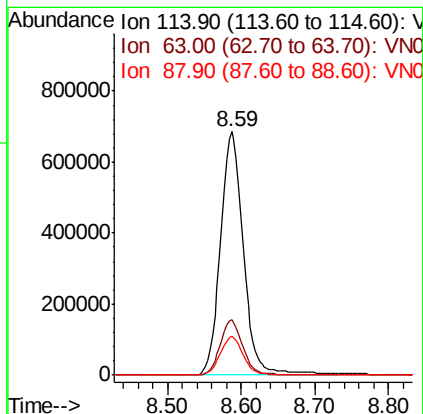
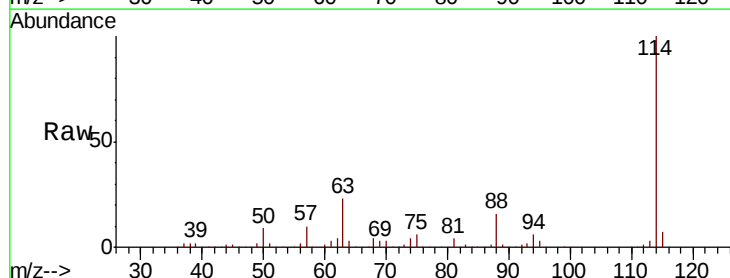
Tgt Ion: 114 Resp: 1487397

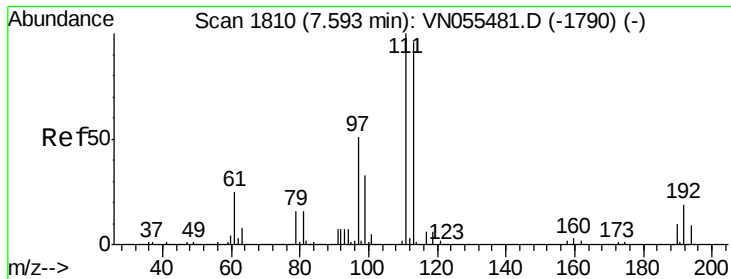
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

88 15.9 0.0 34.0

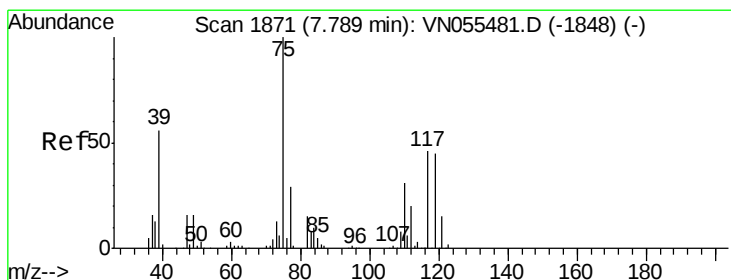
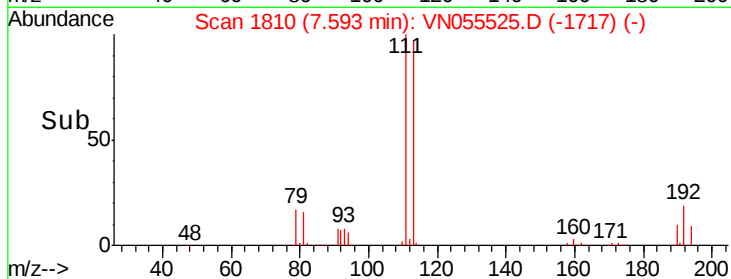
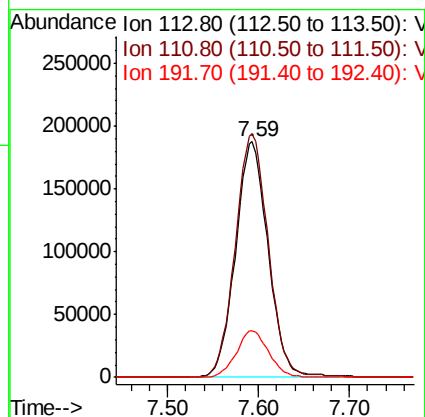
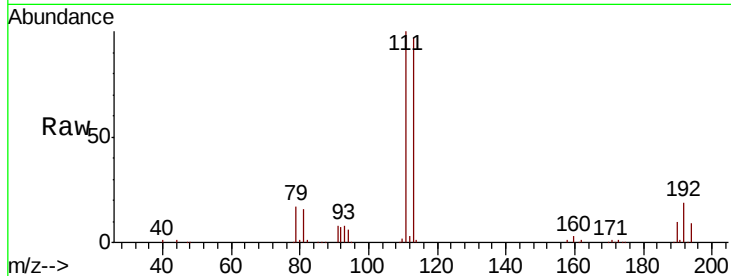




#35
 Dibromofluoromethane
 Concen: 48.673 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055525.D
 Acq: 10 May 2019 3:44

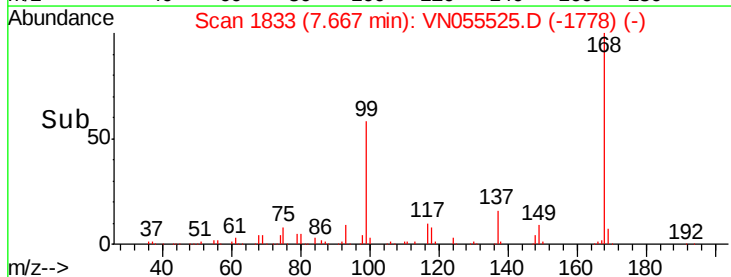
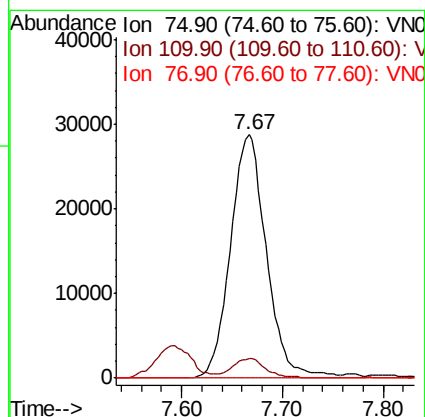
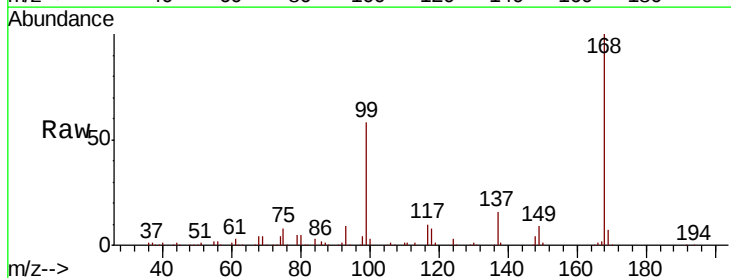
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-05

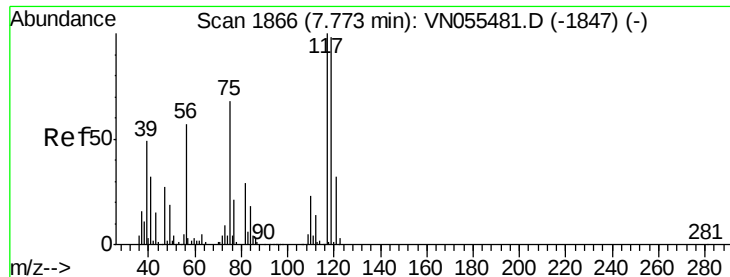
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.9	124.3
192	19.6	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055525.D
 Acq: 10 May 2019 3:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

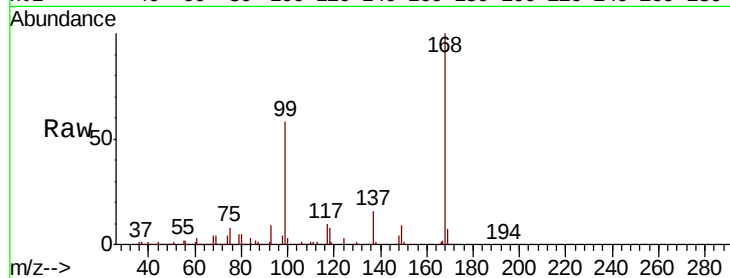
Tot Ion:117 Resp: 84104

Ion Ratio Lower Upper

117 100

119 6.4 77.8 116.6#

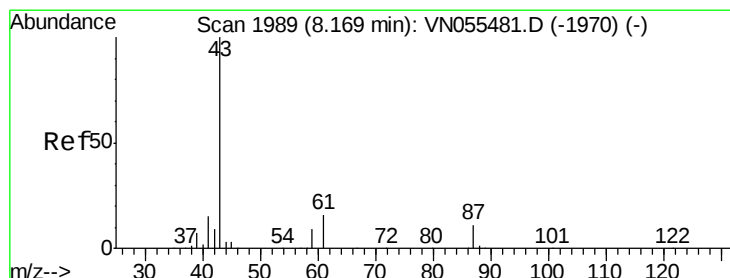
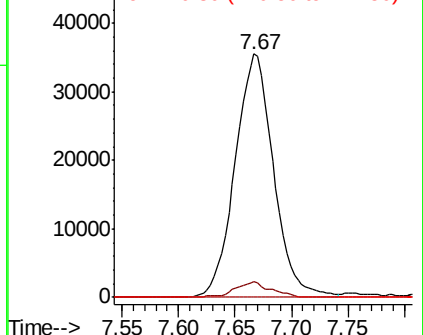
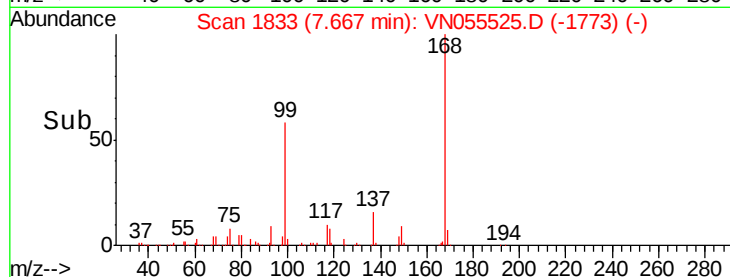
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.775 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

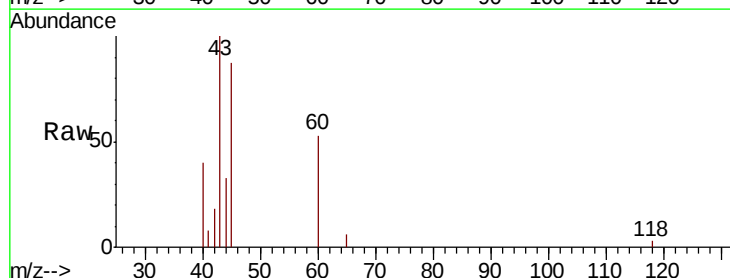
Tgt Ion: 43 Resp: 18832

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

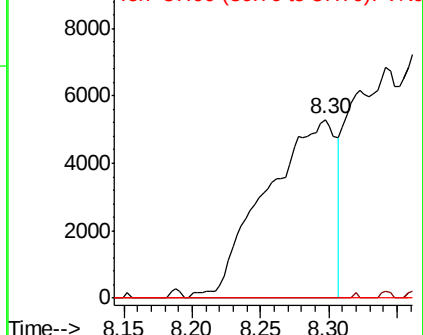
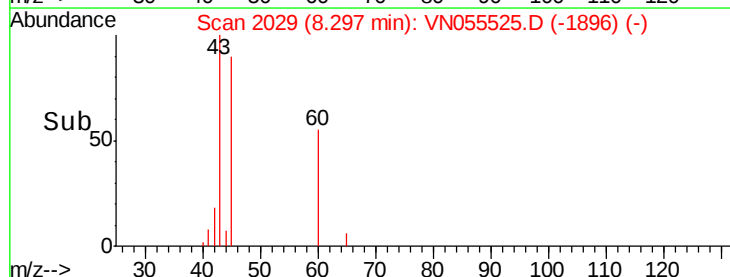
87 0.0 9.0 13.6#

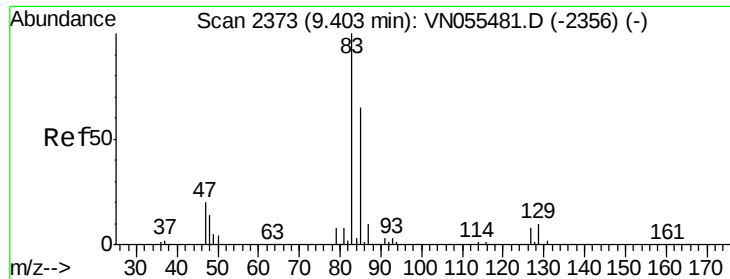


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.512 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

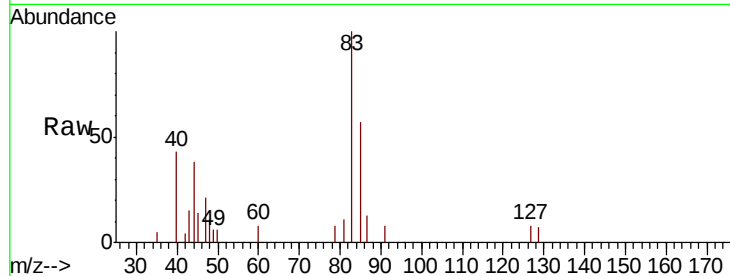
Tot Ion: 83 Resp: 7392

Ion Ratio Lower Upper

83 100

85 56.7 52.2 78.2

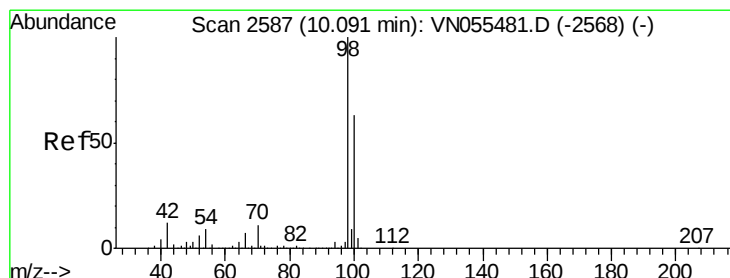
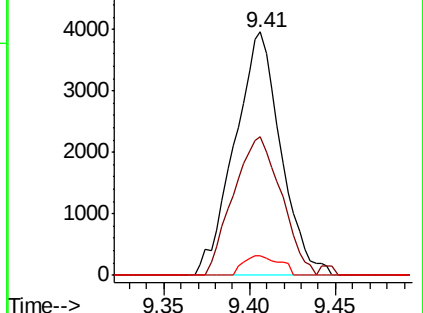
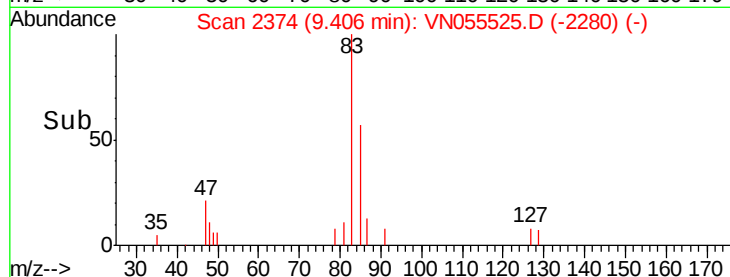
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#50

Toluene-d8

Concen: 48.745 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055525.D

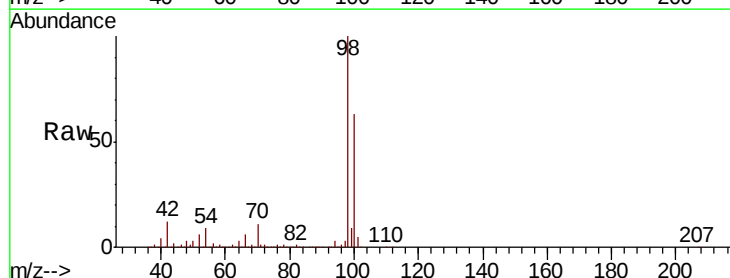
Acq: 10 May 2019 3:44

Tgt Ion: 98 Resp: 1822584

Ion Ratio Lower Upper

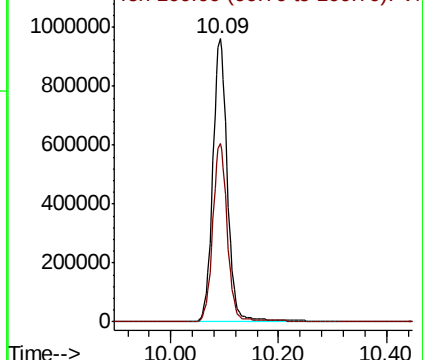
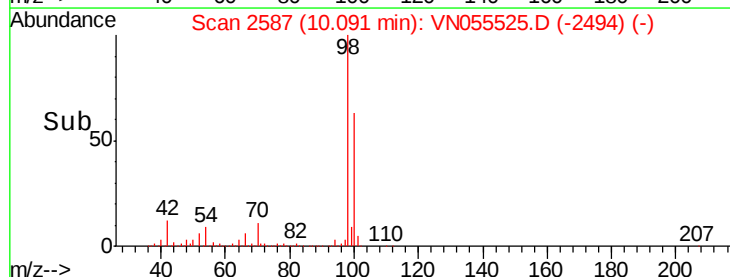
98 100

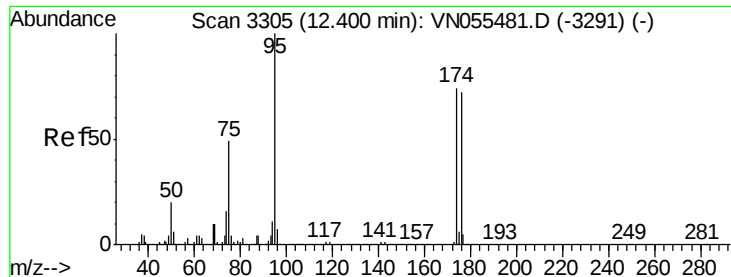
100 62.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

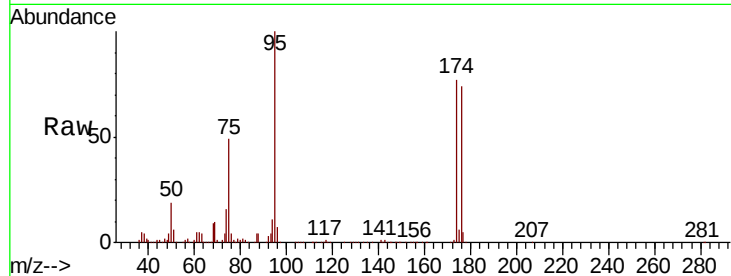




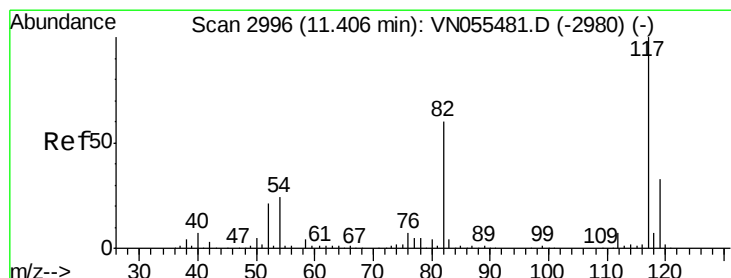
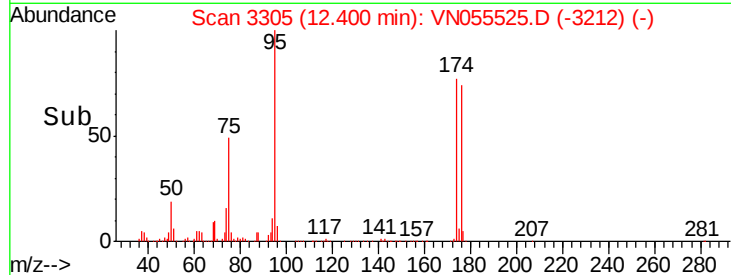
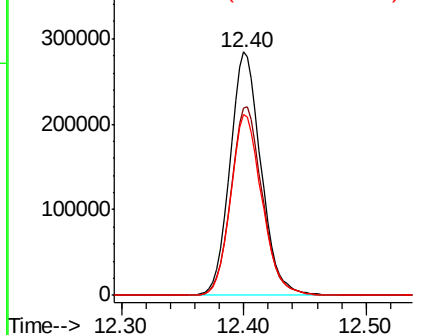
#62
4-Bromofluorobenzene
Concen: 39.954 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

Instrument :
MSVOA_N
ClientSampleId :
CKMW-05

Tot Ion: 95 Resp: 503727
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.2
176 75.1 0.0 147.8

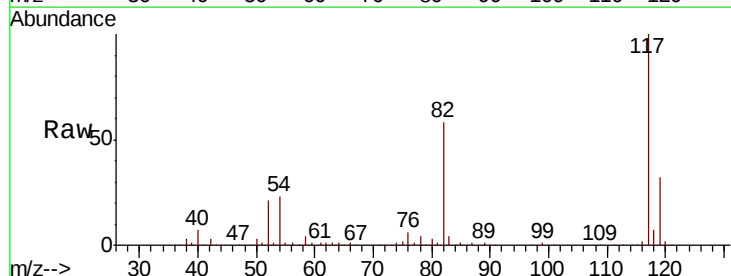


Abundance Ion 94.90 (94.60 to 95.60): VN055525.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055525.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055525.D (-3291) (-)

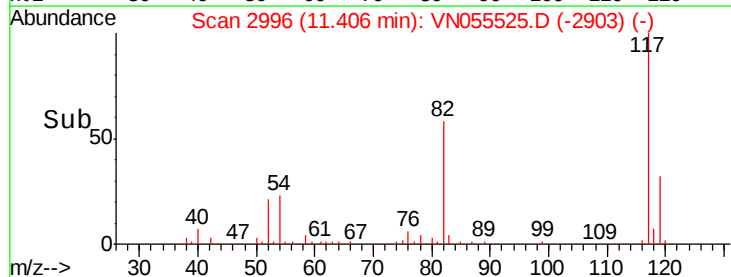
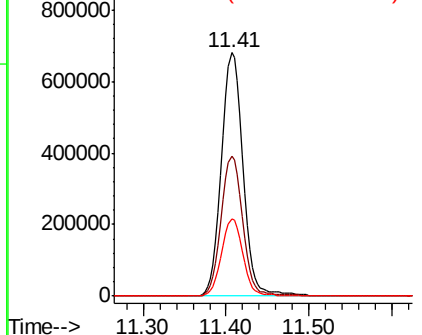


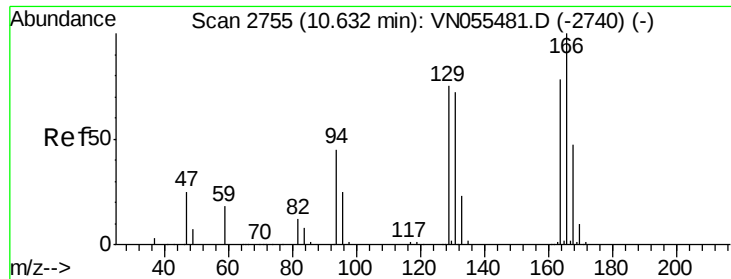
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055525.D
Acq: 10 May 2019 3:44

Tgt Ion: 117 Resp: 1230869
Ion Ratio Lower Upper
117 100
82 57.7 48.0 72.0
119 31.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN055525.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN055525.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN055525.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.619 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampled :

CKMW-05

Tot Ion:164 Resp: 6245

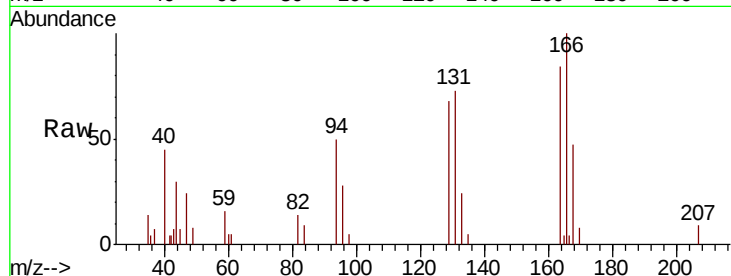
Ion Ratio Lower Upper

164 100

166 119.4 102.6 153.8

129 80.7 77.0 115.6

131 87.1 73.7 110.5

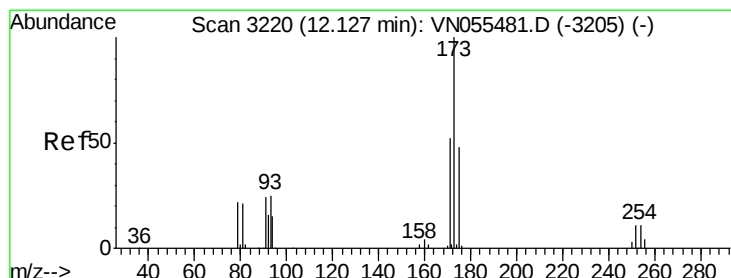
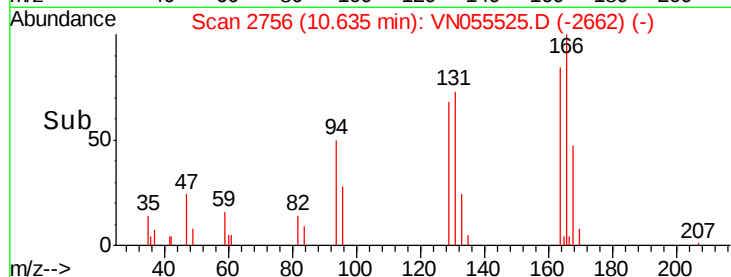
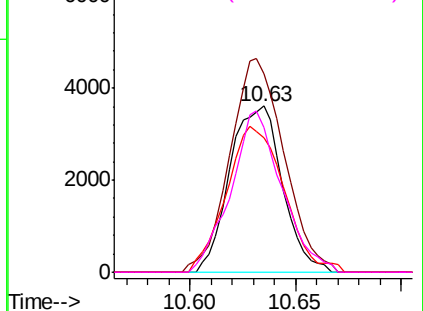


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.569 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

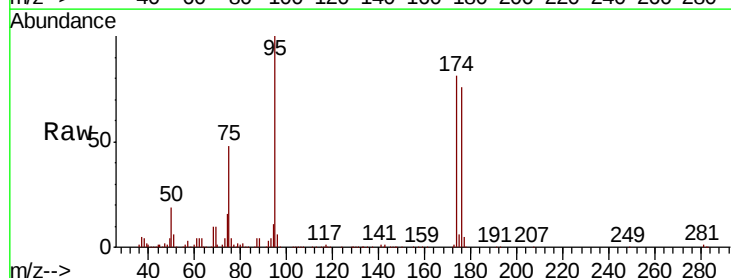
Tgt Ion:173 Resp: 3345

Ion Ratio Lower Upper

173 100

175 754.6 24.1 72.4#

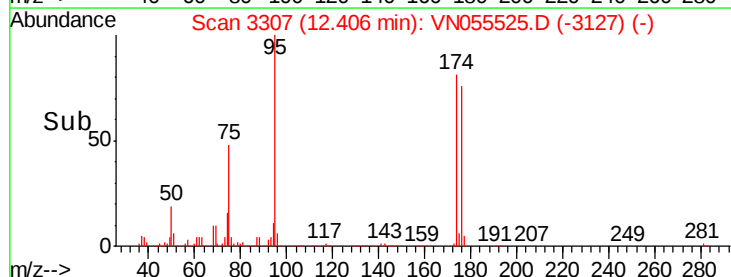
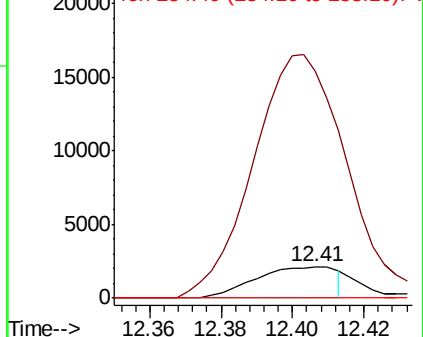
254 0.0 0.1 0.1#

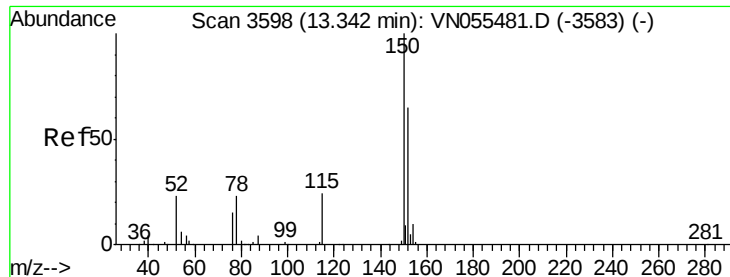


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

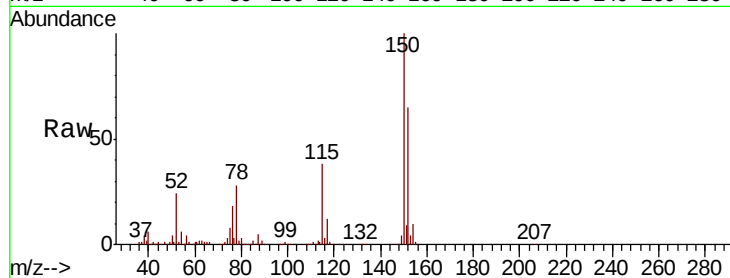
Tot Ion:152 Resp: 313912

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

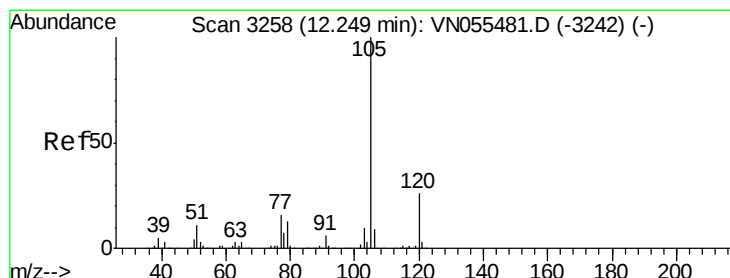
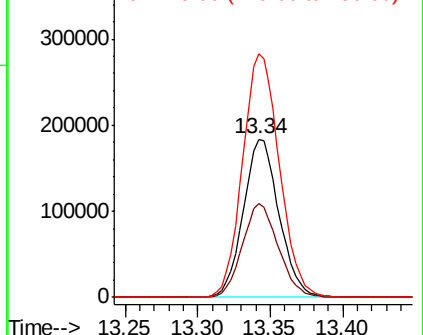
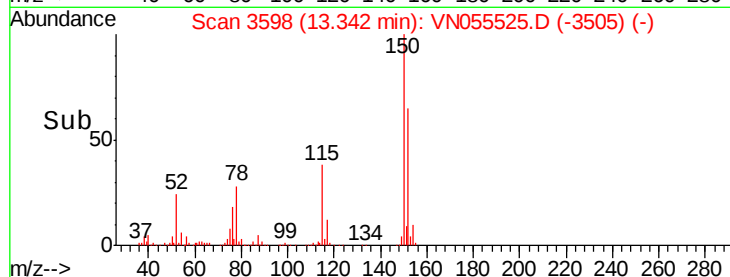
150 159.1 0.0 355.0



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# 3259

Delta R.T. 0.00 min

Lab File: VN055525.D

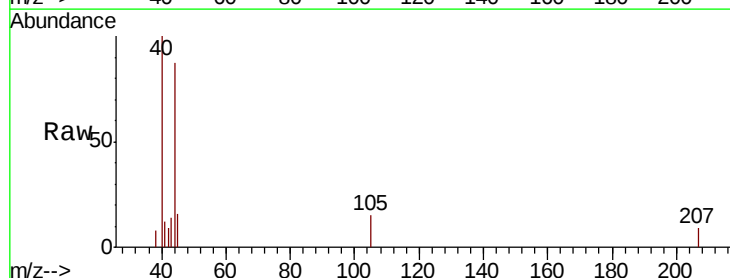
Acq: 10 May 2019 3:44

Tgt Ion:105 Resp: 288

Ion Ratio Lower Upper

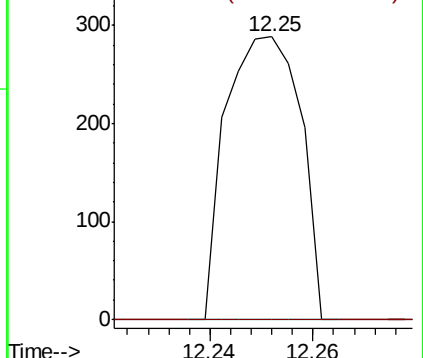
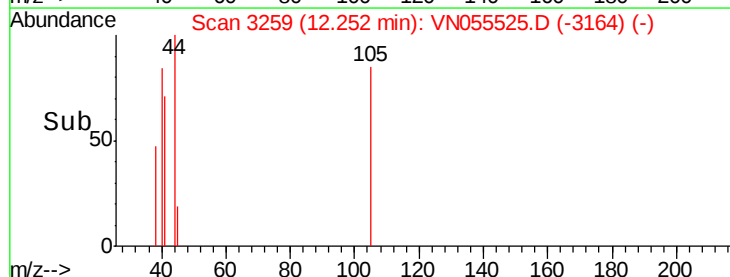
105 100

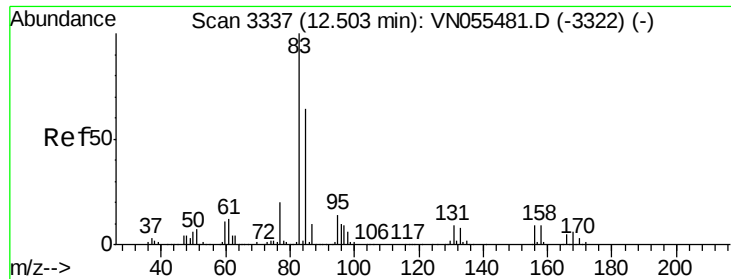
120 0.0 13.0 39.0#



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: 12.59 min Scan# 3363

Delta R.T. 0.08 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

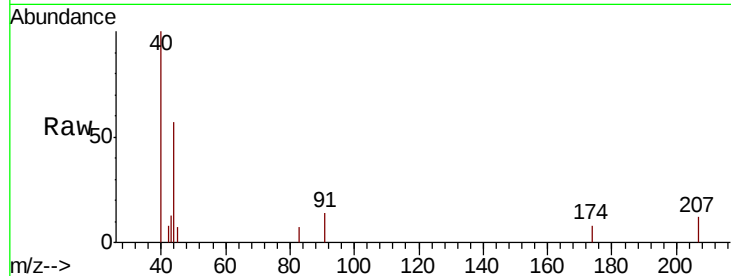
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

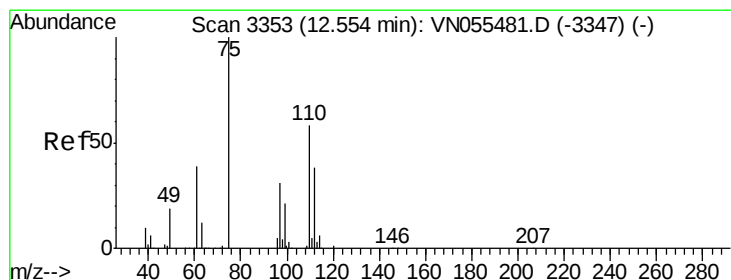
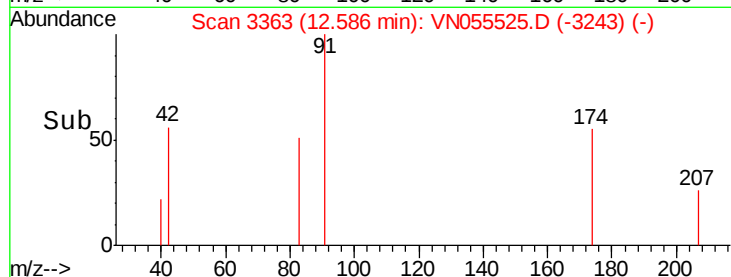
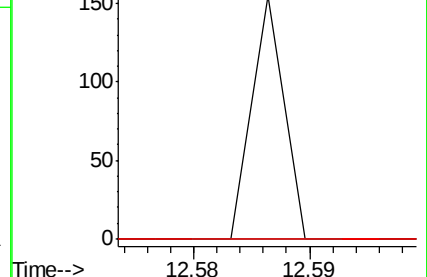
85 0.0 32.0 96.0#



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: 29.138 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055525.D

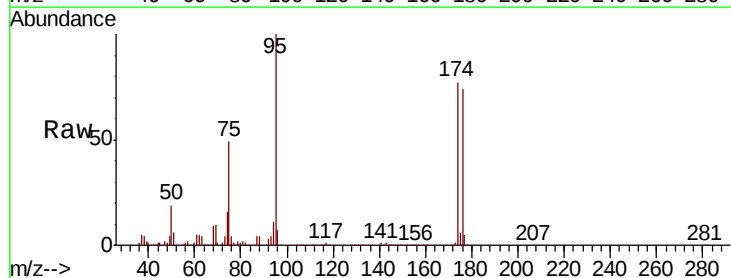
Acq: 10 May 2019 3:44

Tgt Ion: 75 Resp: 249009

Ion Ratio Lower Upper

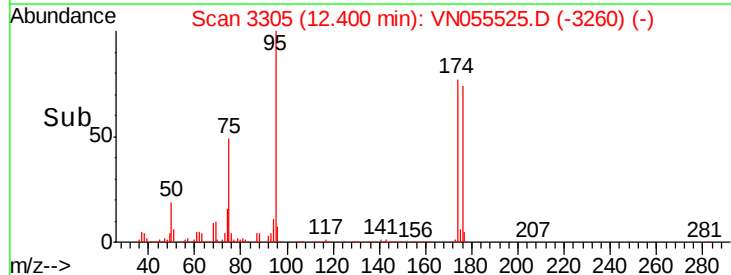
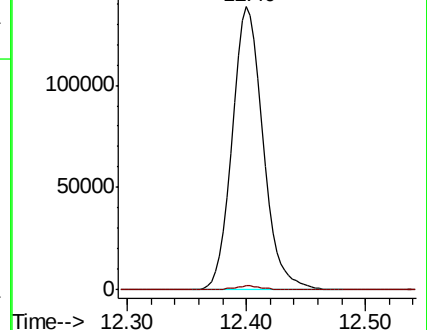
75 100

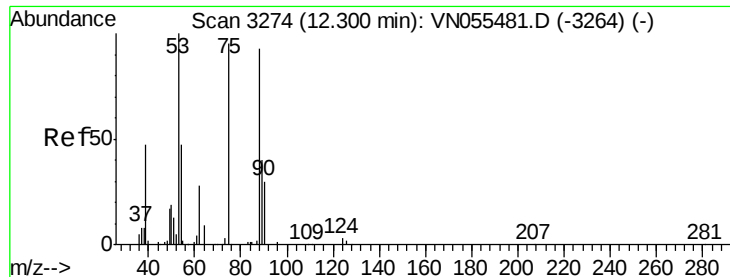
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 107.516 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

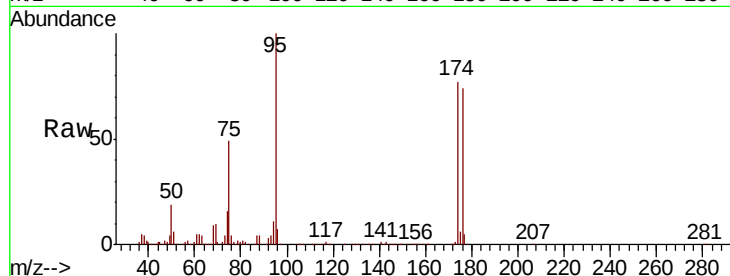
Tot Ion: 75 Resp: 249009

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

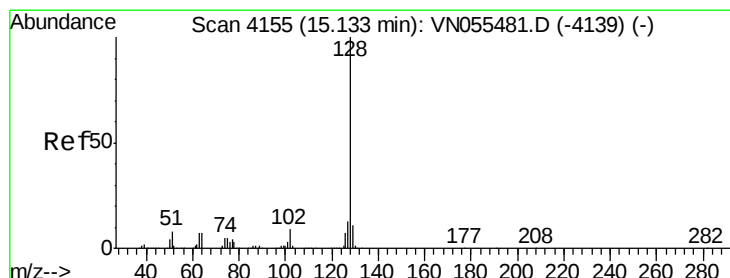
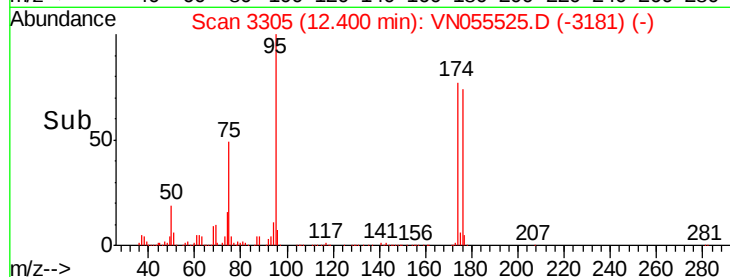
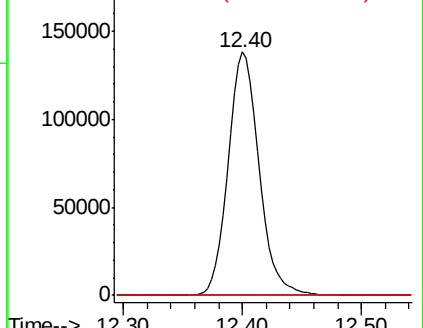
89 0.0 35.7 53.5#



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



#95

Naphthalene

Concen: 2.939 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

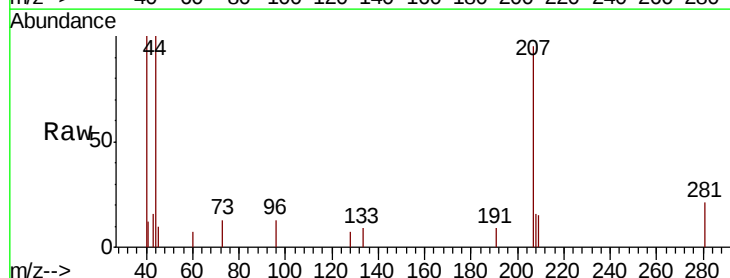
Tgt Ion: 128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

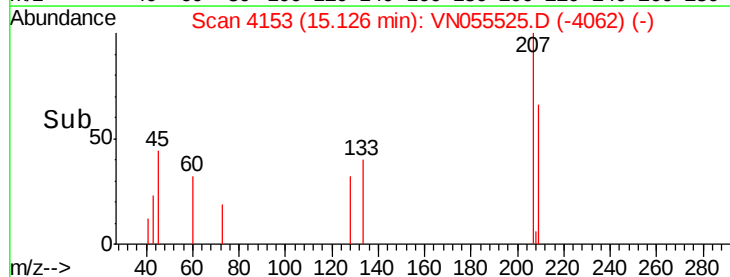
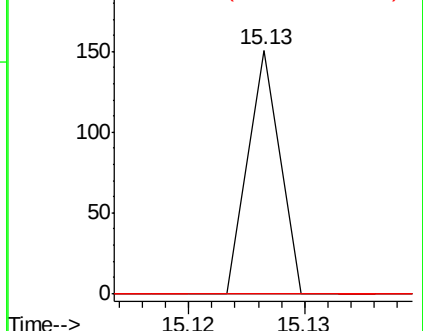
129 0.0 8.8 13.2#

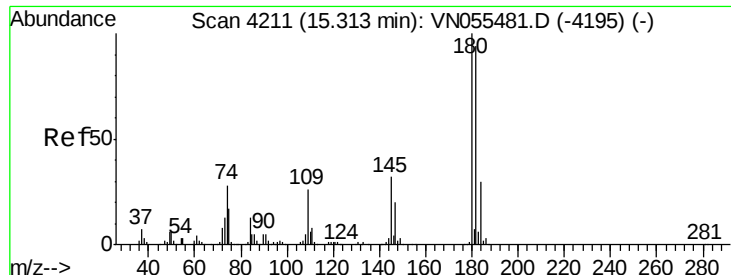


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.429 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055525.D

Acq: 10 May 2019 3:44

Instrument :

MSVOA_N

ClientSampleId :

CKMW-05

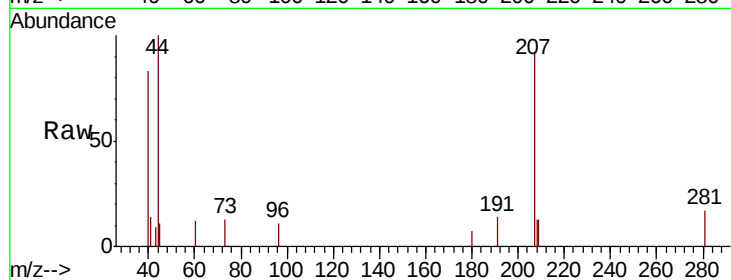
Tot Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.3#

145 0.0 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

