

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055521.D
 Acq On : 10 May 2019 2:04
 Operator : JC/SP
 Sample : K2758-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-18

Quant Time: May 10 04:21:31 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	897923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1495298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336804	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	612839	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	
35) Dibromofluoromethane	7.59	113	470117	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.09	98	1817950	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	520817	41.09	ug/l	0.00
Spiked Amount			Recovery	=	82.18%	

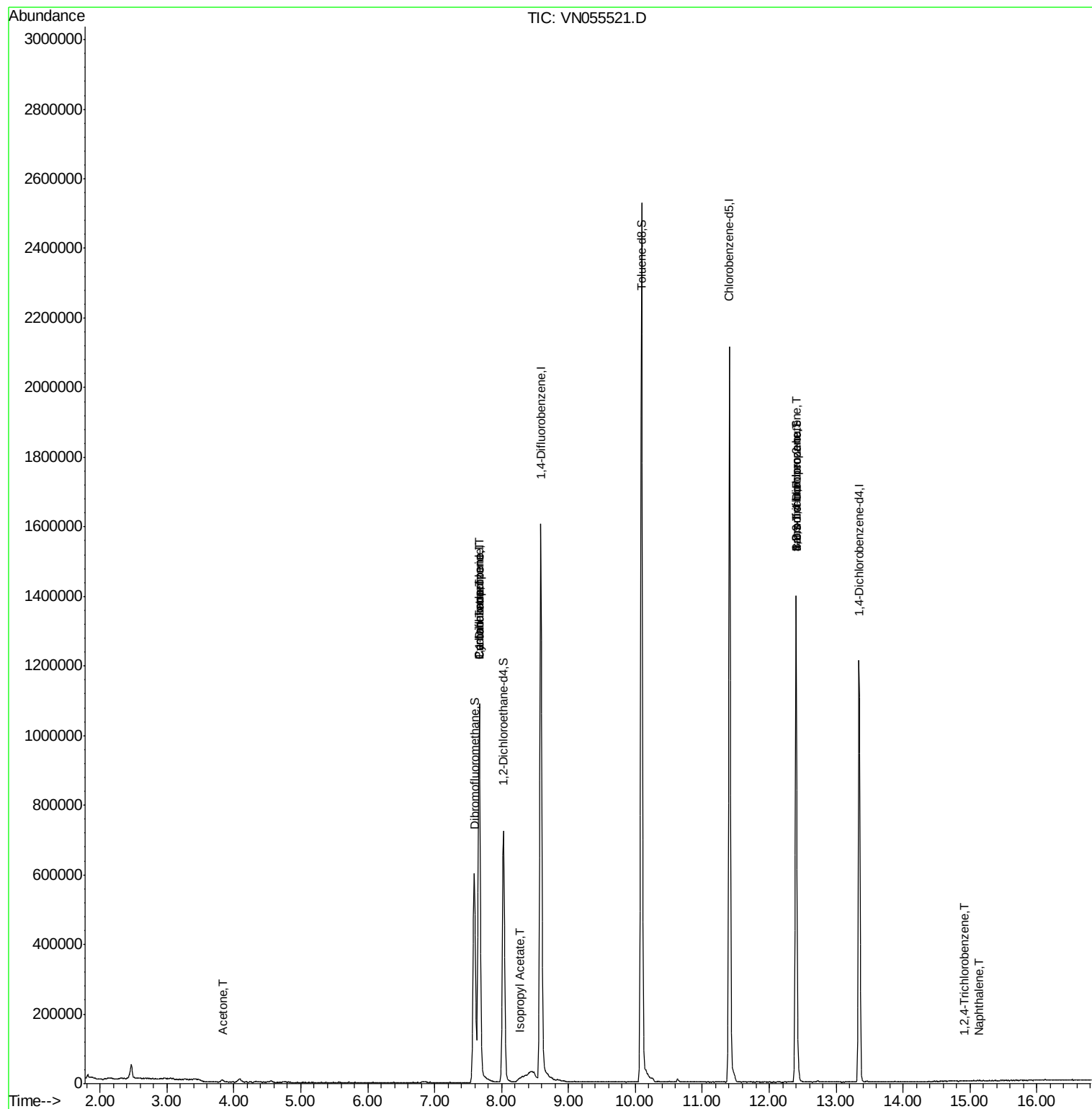
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	11929	1.906	ug/l	98
18) Methyl Acetate	4.33	43	3023	Below Cal	#	57
31) Cyclohexane	7.67	56	19743	0.905	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	75913	5.153	ug/l #	50
38) Carbon Tetrachloride	7.67	117	82867	6.680	ug/l #	16
43) Isopropyl Acetate	8.27	43	10017	0.410	ug/l #	63
71) Bromoform	12.40	173	3741	0.624	ug/l #	1
73) Isopropylbenzene	12.25	105	368	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	226	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	260300	28.389	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	260300	104.753	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	251	3.252	ug/l #	21
95) Naphthalene	15.13	128	459	2.968	ug/l #	70

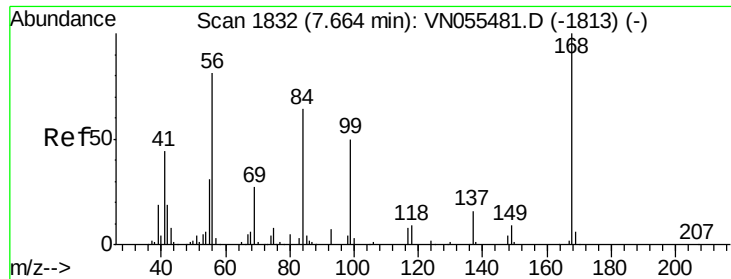
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampled :

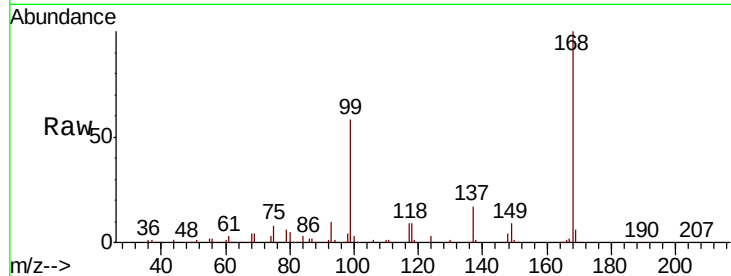
CKMW-18

Tot Ion:168 Resp: 897923

Ion Ratio Lower Upper

168 100

99 57.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

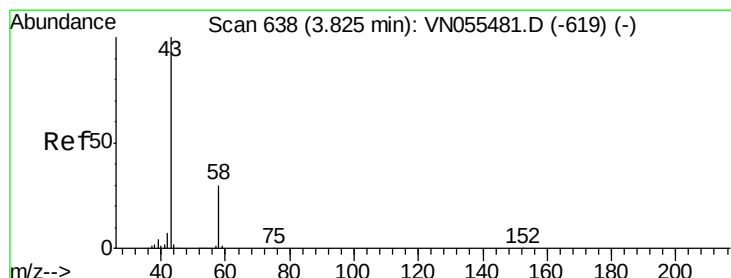
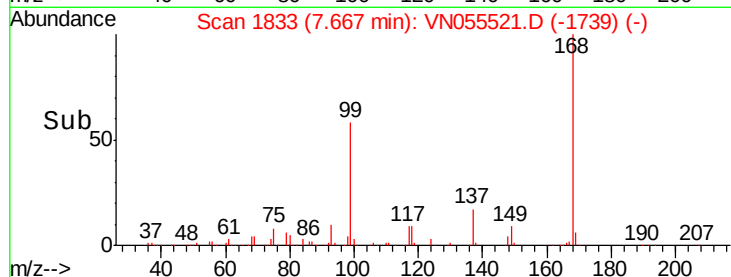
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.906 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055521.D

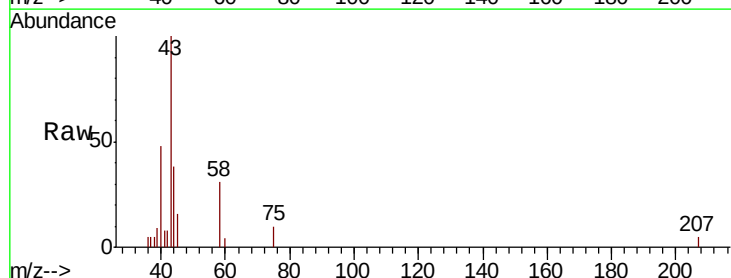
Acq: 10 May 2019 2:04

Tgt Ion: 43 Resp: 11929

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

4000

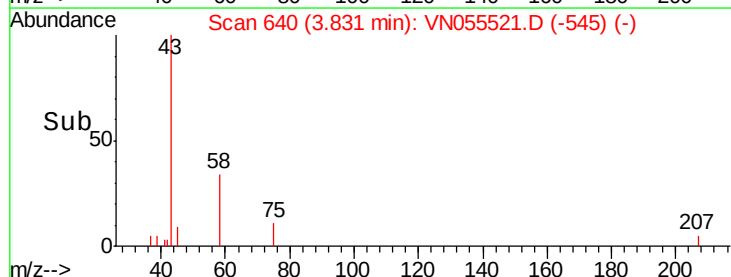
3000

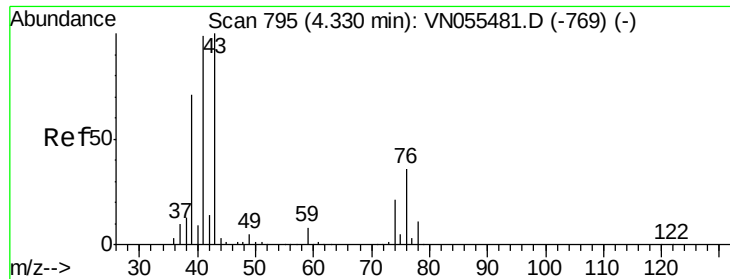
2000

1000

0

Time-->

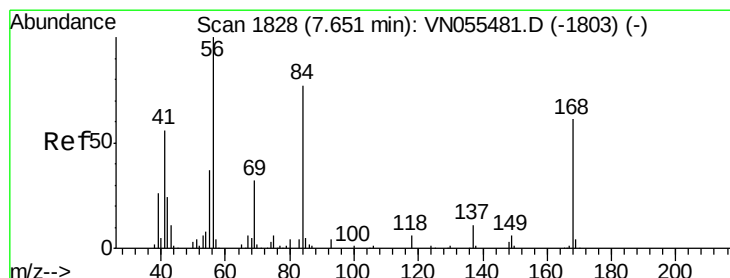
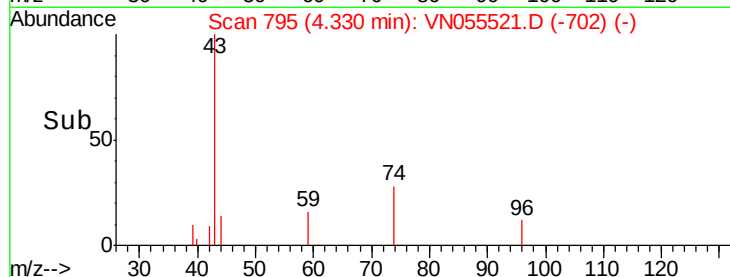
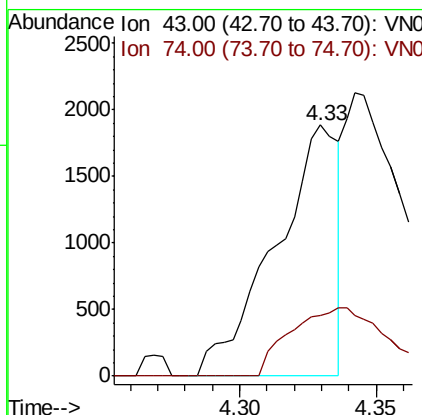
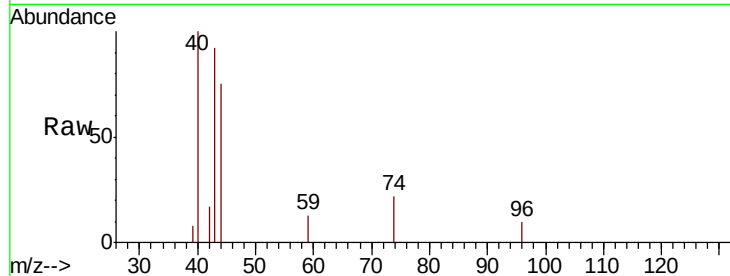




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055521.D
Acq: 10 May 2019 2:04

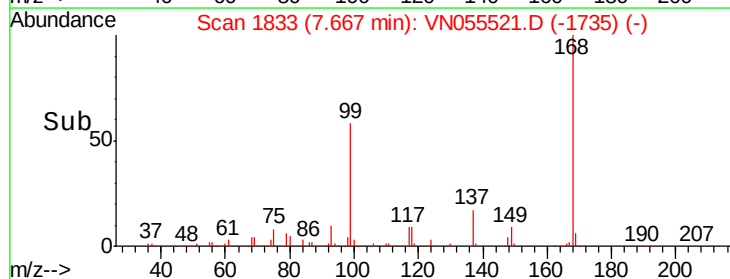
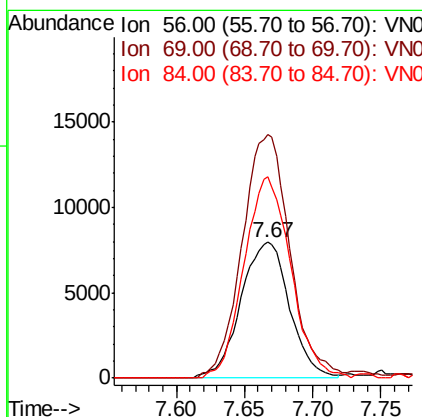
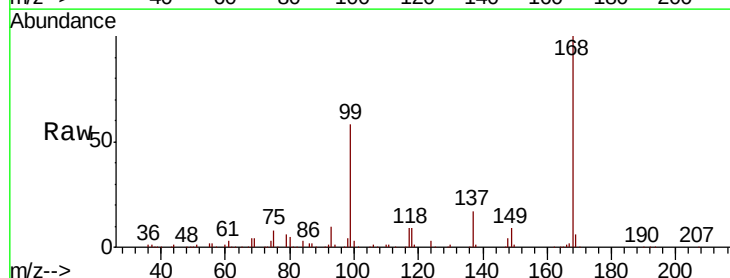
Instrument :
MSVOA_N
ClientSampled :
CKMW-18

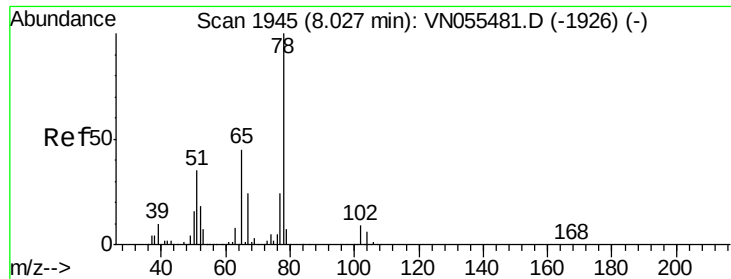
Tot Ion: 43 Resp: 3023
Ion Ratio Lower Upper
43 100
74 40.3 16.3 24.5#



#31
Cyclohexane
Concen: 0.905 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055521.D
Acq: 10 May 2019 2:04

Tgt Ion: 56 Resp: 19743
Ion Ratio Lower Upper
56 100
69 179.4 26.0 39.0#
84 148.2 61.9 92.9#

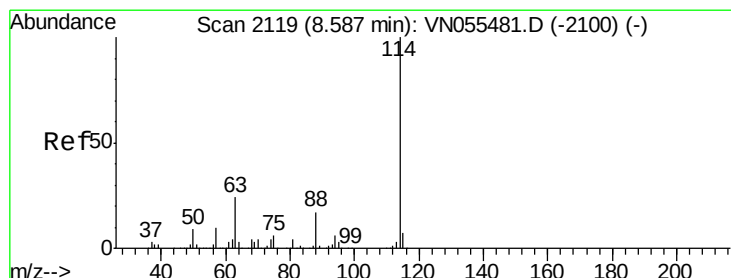
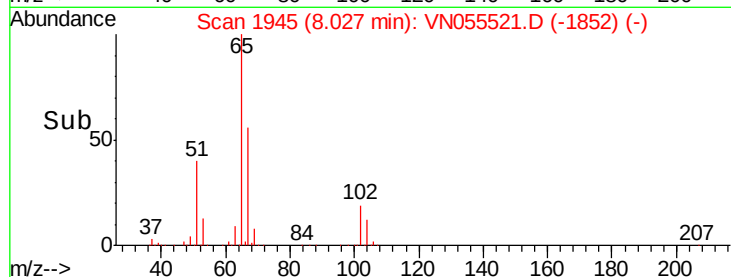
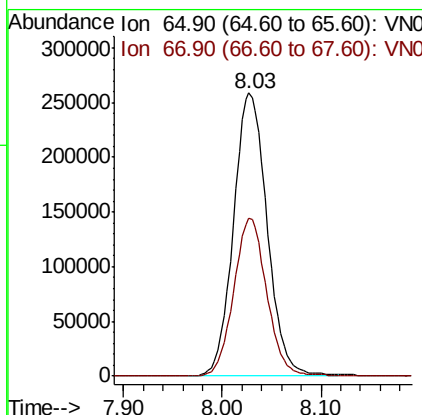
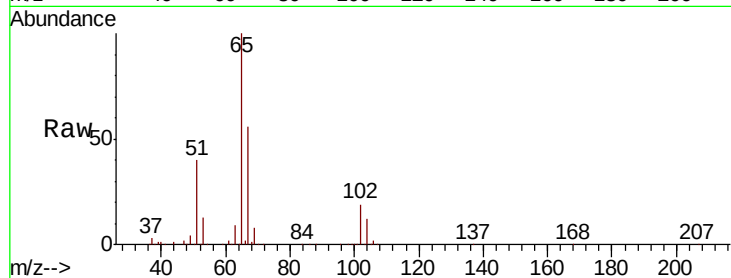




#33
 1,2-Dichloroethane-d4
 Concen: 45.329 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055521.D
 Acq: 10 May 2019 2:04

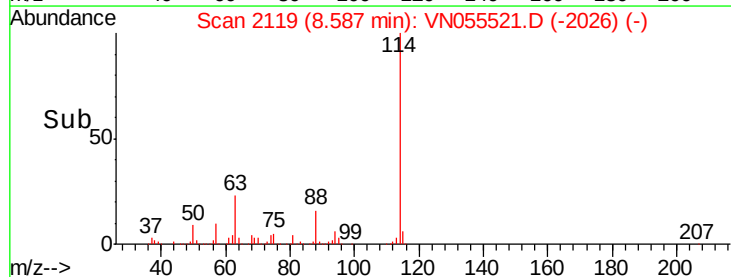
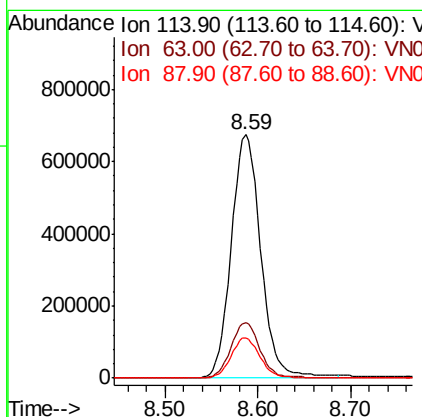
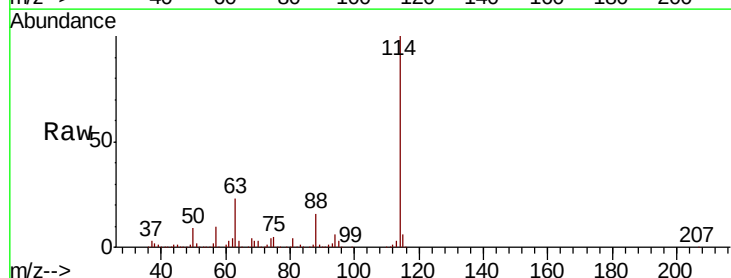
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-18

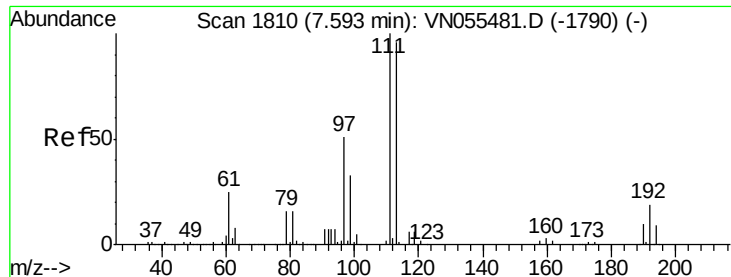
Tot Ion: 65 Resp: 612839
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055521.D
 Acq: 10 May 2019 2:04

Tgt Ion: 114 Resp: 1495298
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.738 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

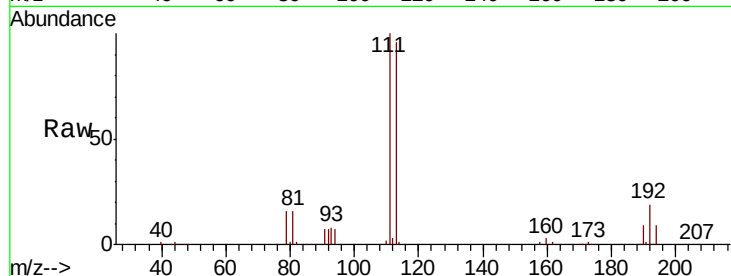
Tot Ion:113 Resp: 470117

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

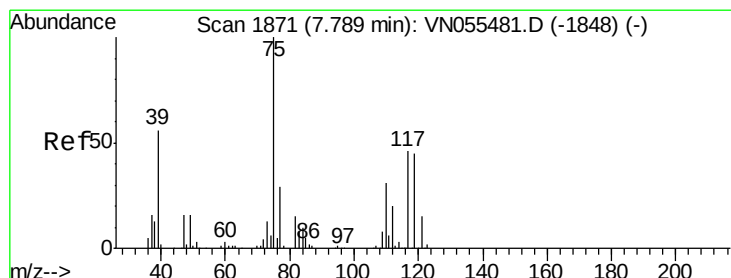
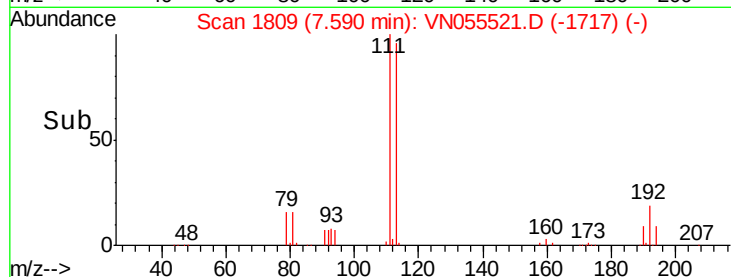
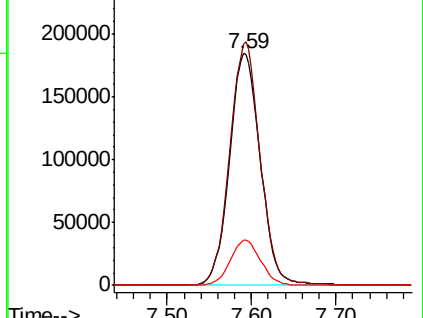
192 19.2 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

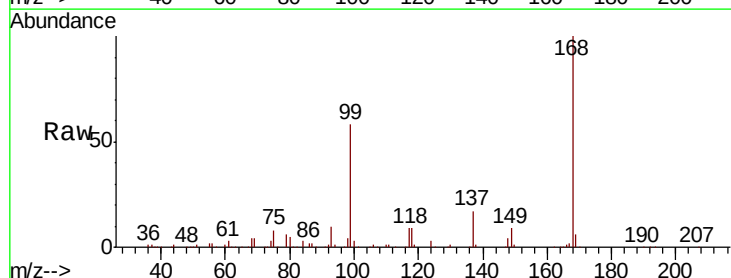
Tgt Ion: 75 Resp: 75913

Ion Ratio Lower Upper

75 100

110 7.7 16.1 48.3#

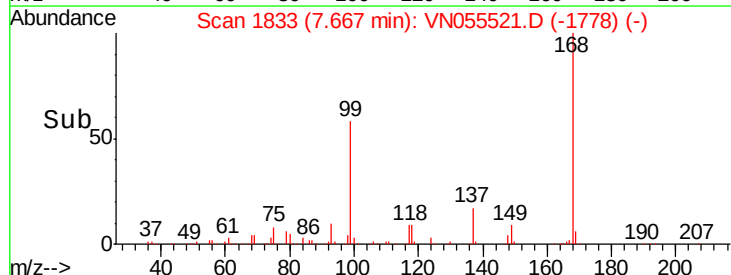
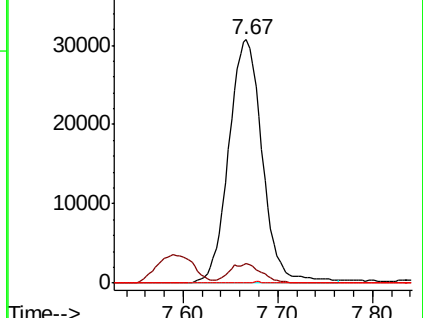
77 0.1 24.6 37.0#

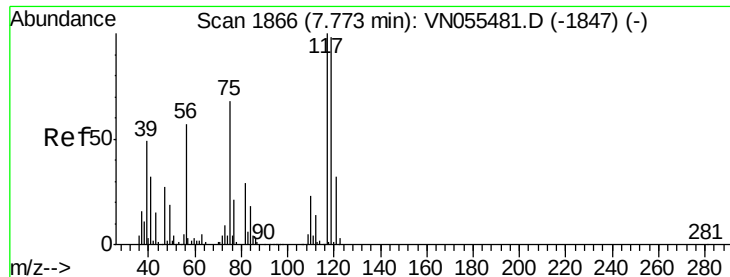


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

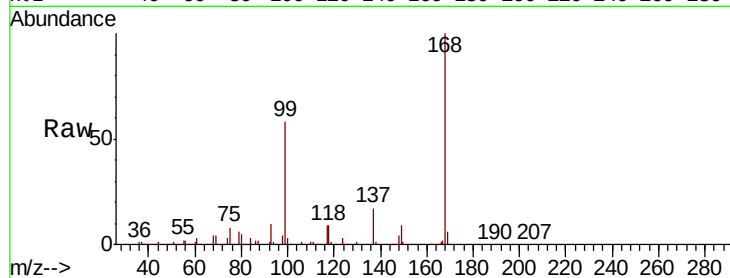
Tot Ion:117 Resp: 82867

Ion Ratio Lower Upper

117 100

119 5.8 77.8 116.6#

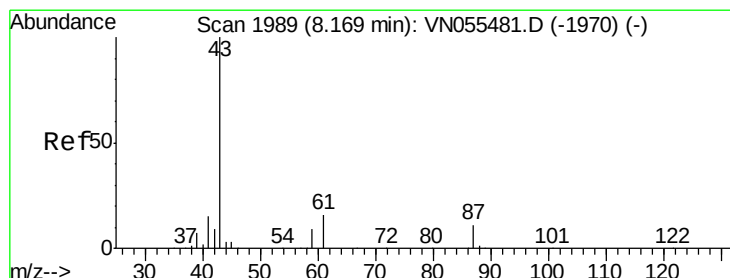
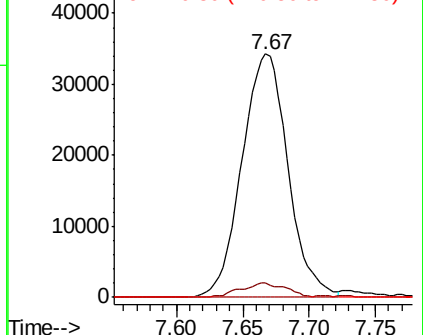
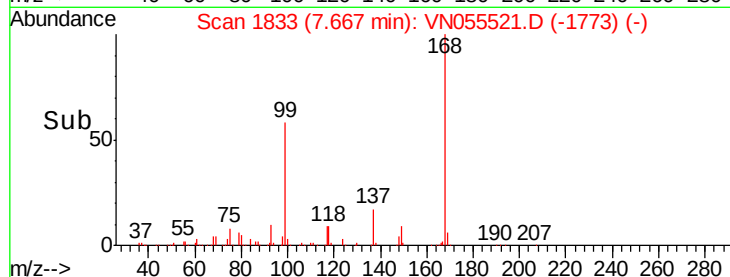
121 0.0 25.2 37.8#



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: 0.410 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.10 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

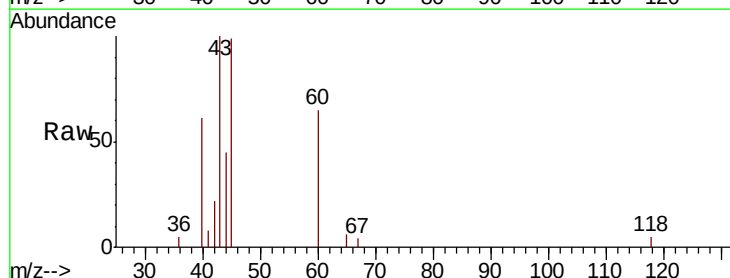
Tgt Ion: 43 Resp: 10017

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

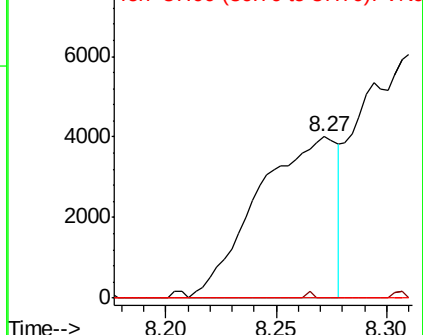
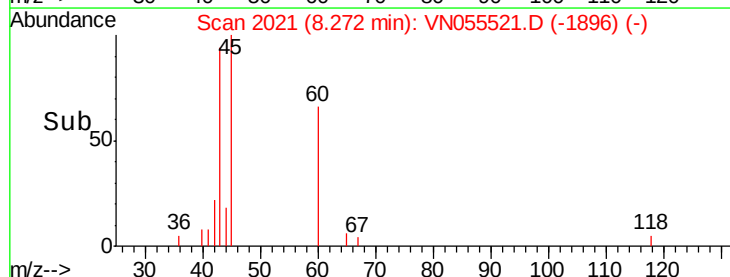
87 0.0 9.0 13.6#

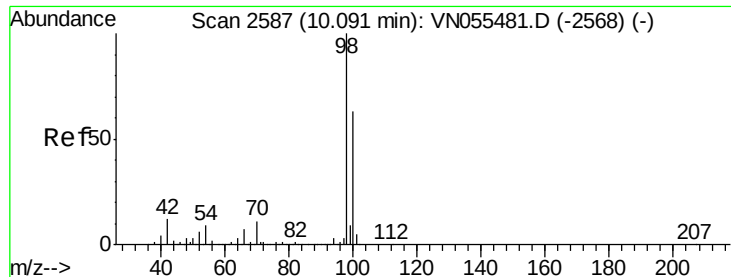


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.364 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampled :

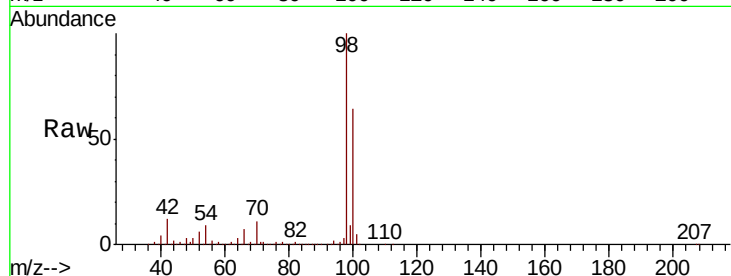
CKMW-18

Tot Ion: 98 Resp: 1817950

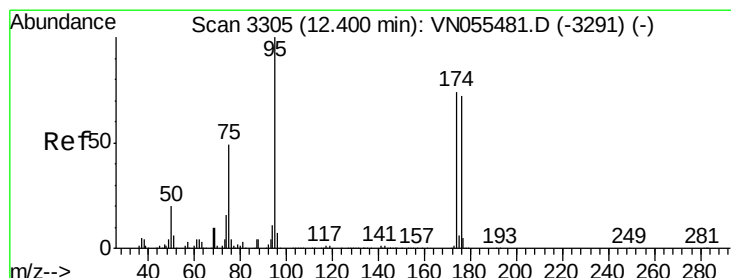
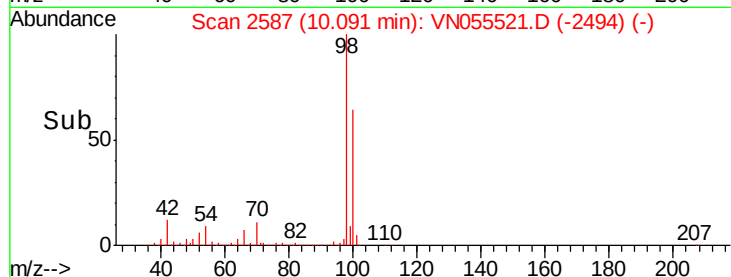
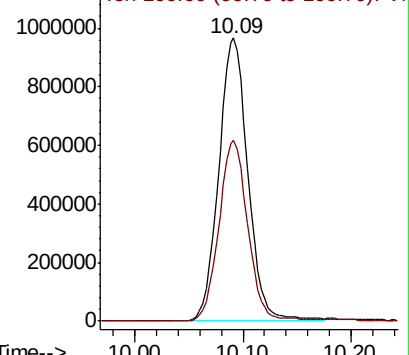
Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6



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



#62

4-Bromofluorobenzene

Concen: 41.092 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

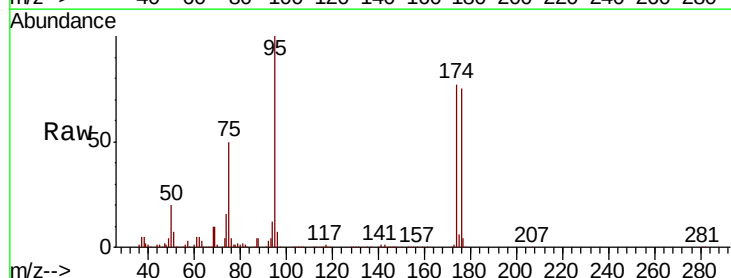
Tgt Ion: 95 Resp: 520817

Ion Ratio Lower Upper

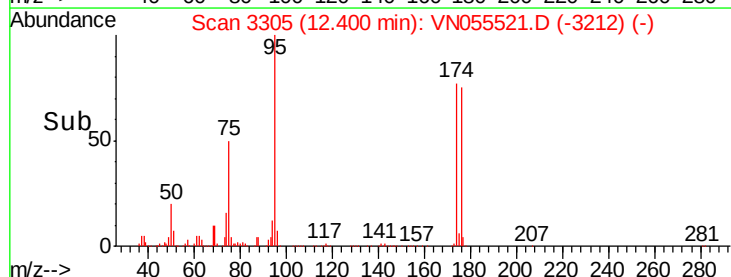
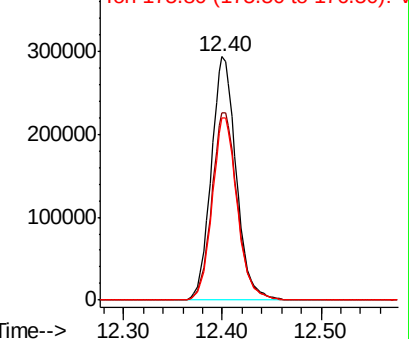
95 100

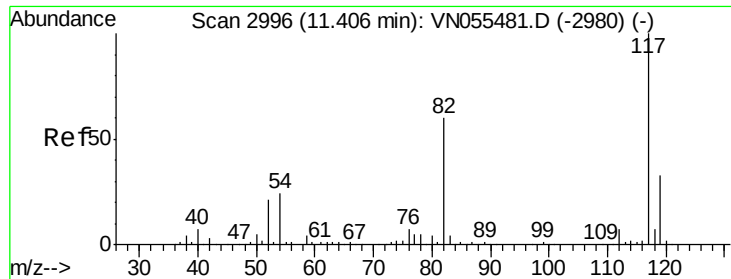
174 78.2 0.0 152.2

176 74.9 0.0 147.8



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

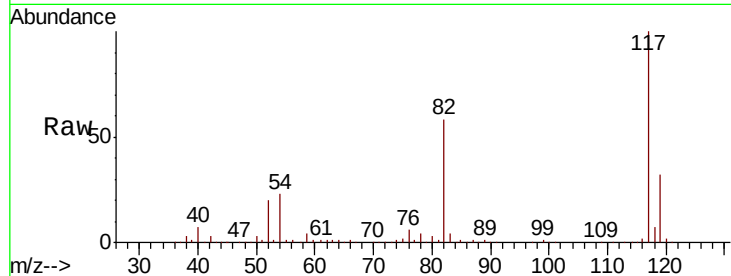




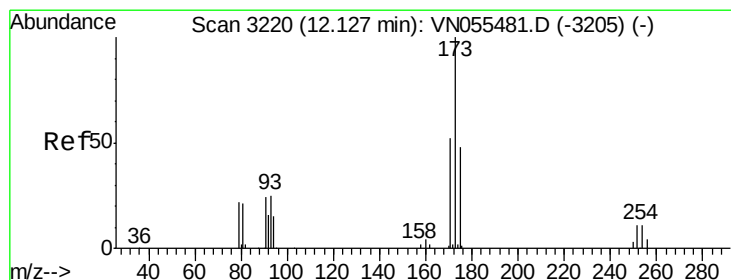
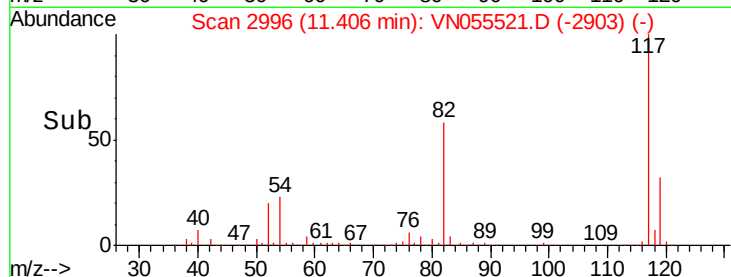
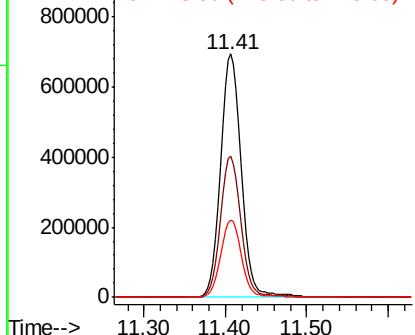
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055521.D
Acq: 10 May 2019 2:04

Instrument :
MSVOA_N
ClientSampleId :
CKMW-18

Tot Ion:117 Resp: 1254530
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 31.7 26.0 39.0

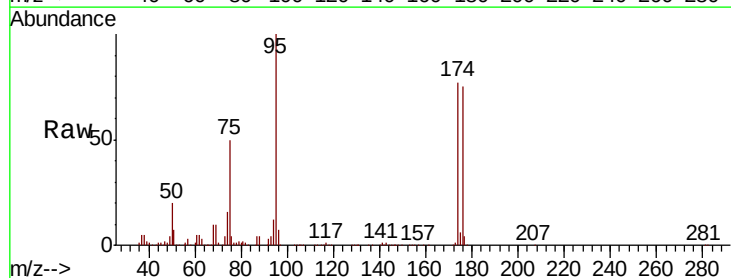


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

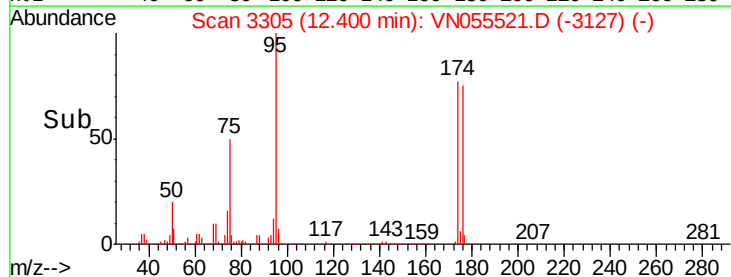
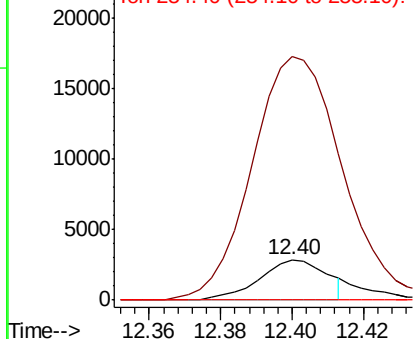


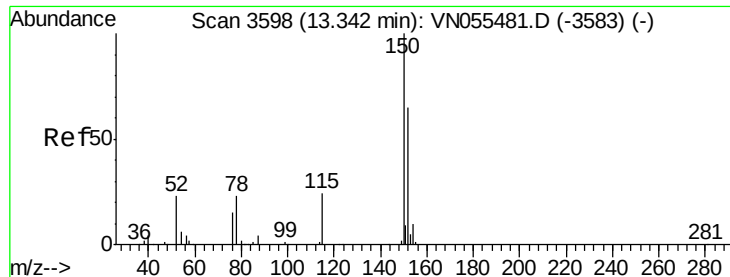
#71
Bromoform
Concen: 0.624 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055521.D
Acq: 10 May 2019 2:04

Tgt Ion:173 Resp: 3741
Ion Ratio Lower Upper
173 100
175 694.1 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

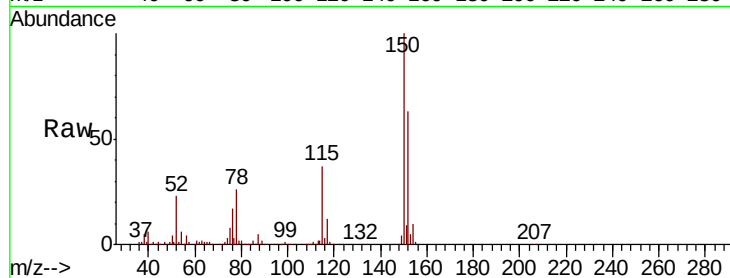
Tot Ion:152 Resp: 336804

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

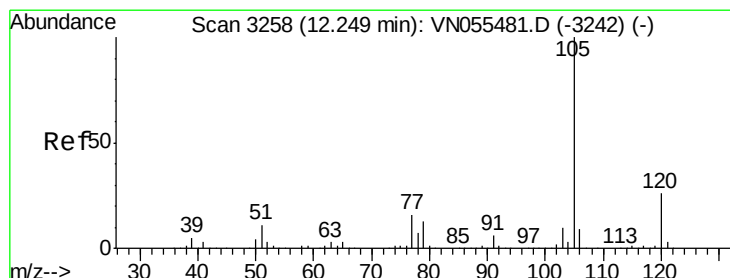
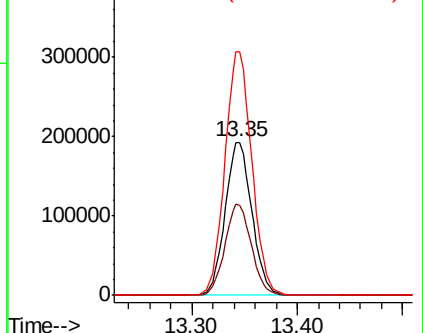
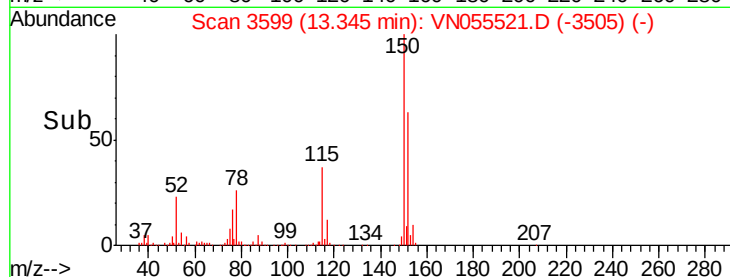
150 160.2 0.0 355.0



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: VN055521.D

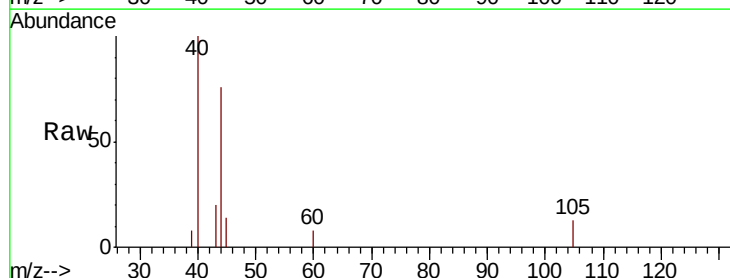
Acq: 10 May 2019 2:04

Tgt Ion:105 Resp: 368

Ion Ratio Lower Upper

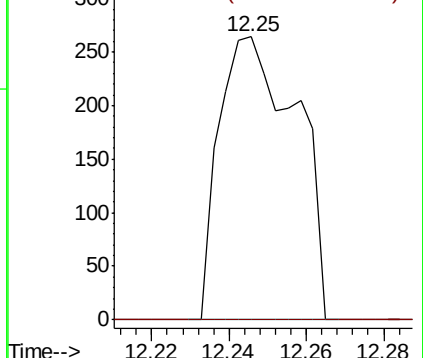
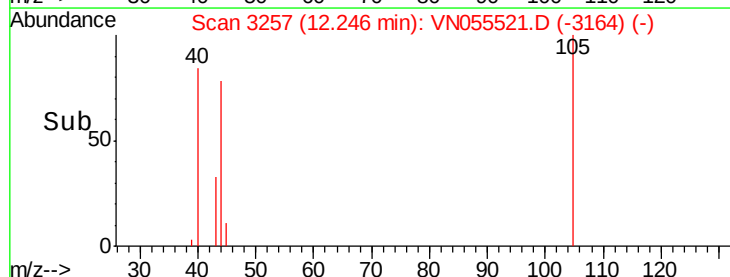
105 100

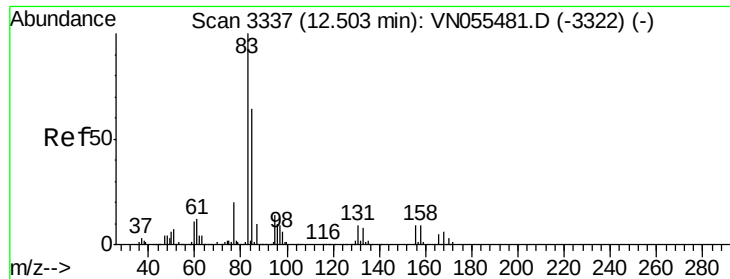
120 0.0 13.0 39.0#



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: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

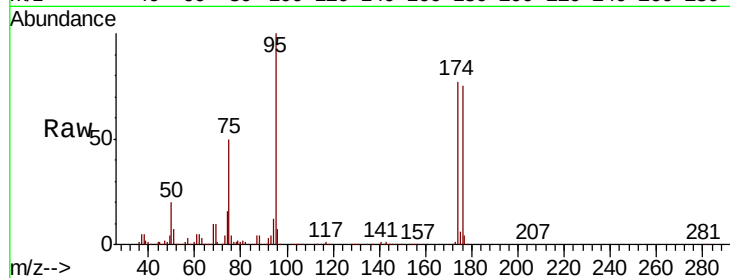
Tot Ion: 83 Resp: 226

Ion Ratio Lower Upper

83 100

131 303.1 4.5 13.5#

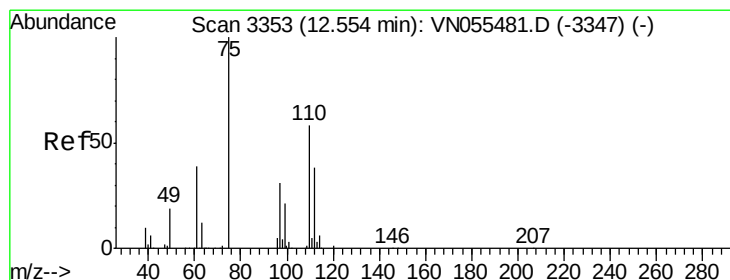
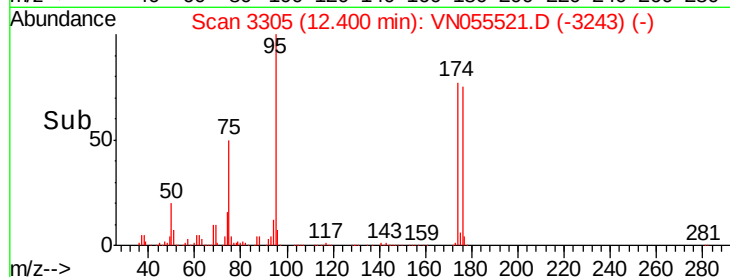
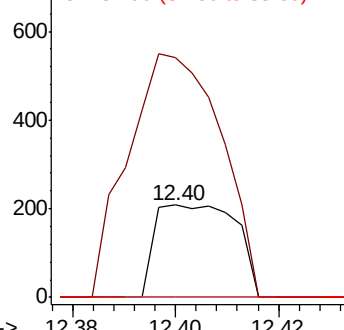
85 0.0 32.0 96.0#



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: 28.389 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055521.D

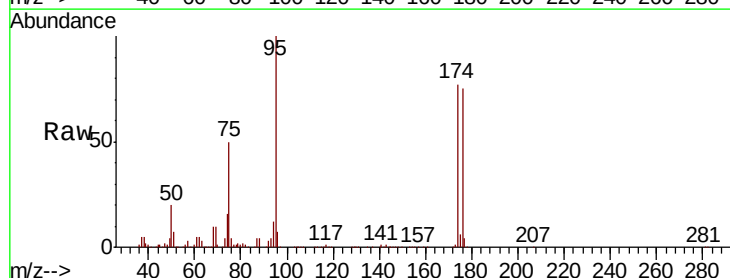
Acq: 10 May 2019 2:04

Tgt Ion: 75 Resp: 260300

Ion Ratio Lower Upper

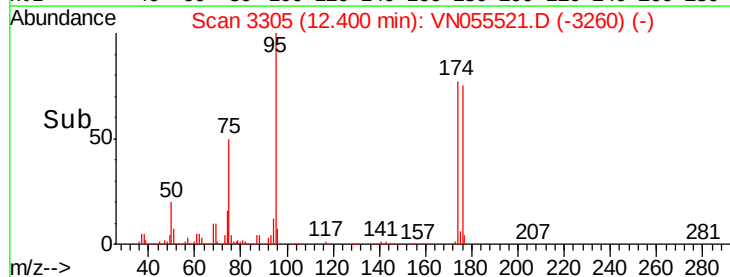
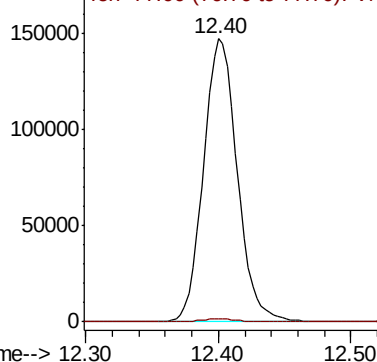
75 100

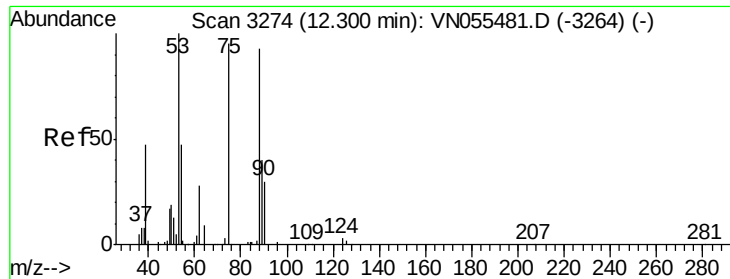
77 1.2 0.0 0.0#



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: 104.753 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

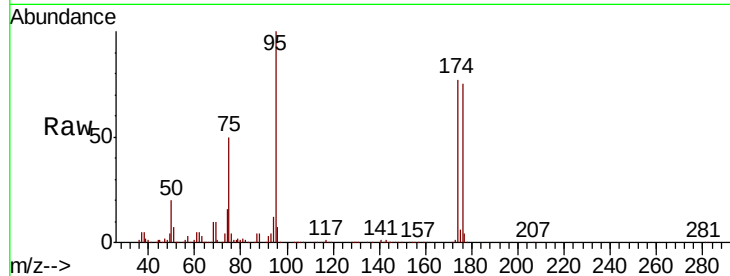
Tot Ion: 75 Resp: 260300

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

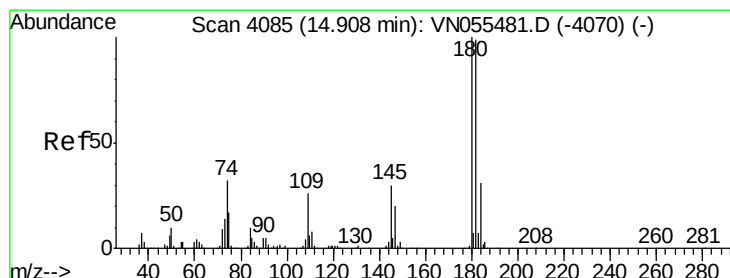
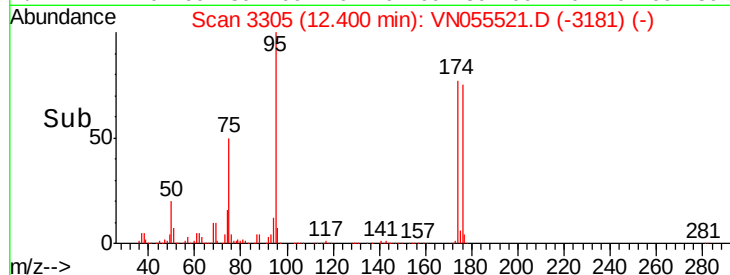
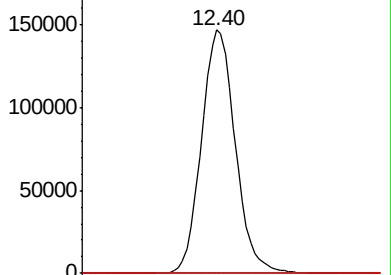
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055521.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055521.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055521.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.252 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

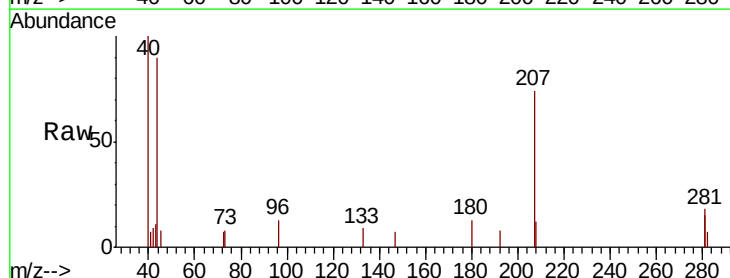
Tgt Ion: 180 Resp: 251

Ion Ratio Lower Upper

180 100

182 12.0 48.7 146.1#

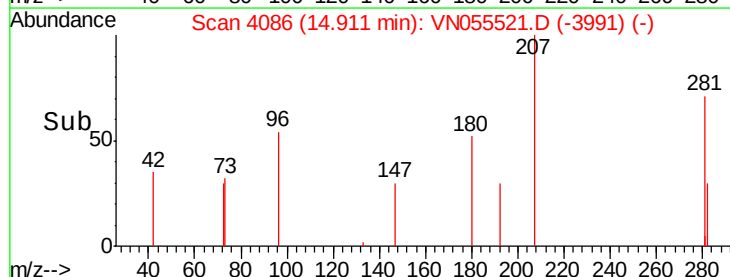
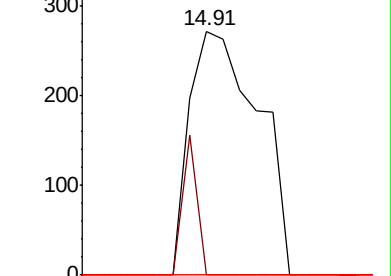
145 0.0 15.3 45.9#

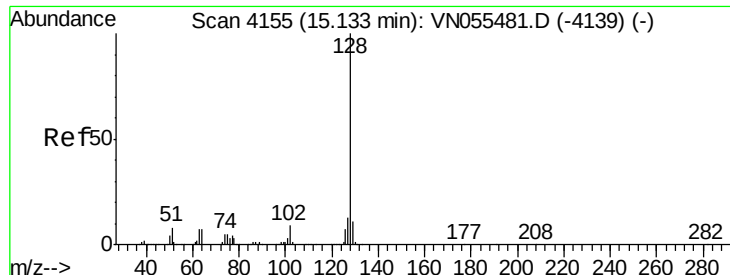


Abundance Ion 179.80 (179.50 to 180.50): VN055521.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055521.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055521.D (-3991) (-)





#95

Naphthalene

Concen: 2.968 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055521.D

Acq: 10 May 2019 2:04

Instrument :

MSVOA_N

ClientSampleId :

CKMW-18

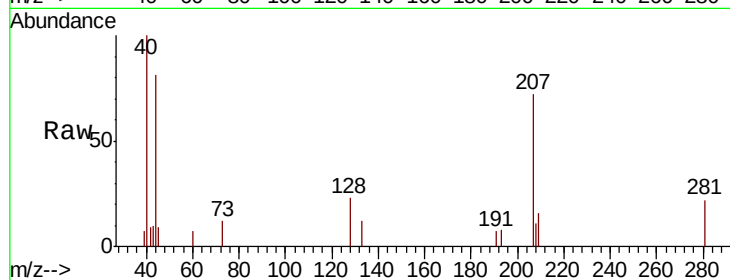
Tot Ion:128 Resp: 459

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

