

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055518.D
 Acq On : 10 May 2019 00:49
 Operator : JC/SP
 Sample : K2758-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

Quant Time: May 10 04:20:53 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	899870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1494993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1259551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	344992	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	610718	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
35) Dibromofluoromethane	7.59	113	476013	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.09	98	1846957	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	528883	41.74	ug/l	0.00
Spiked Amount			Recovery	=	83.48%	

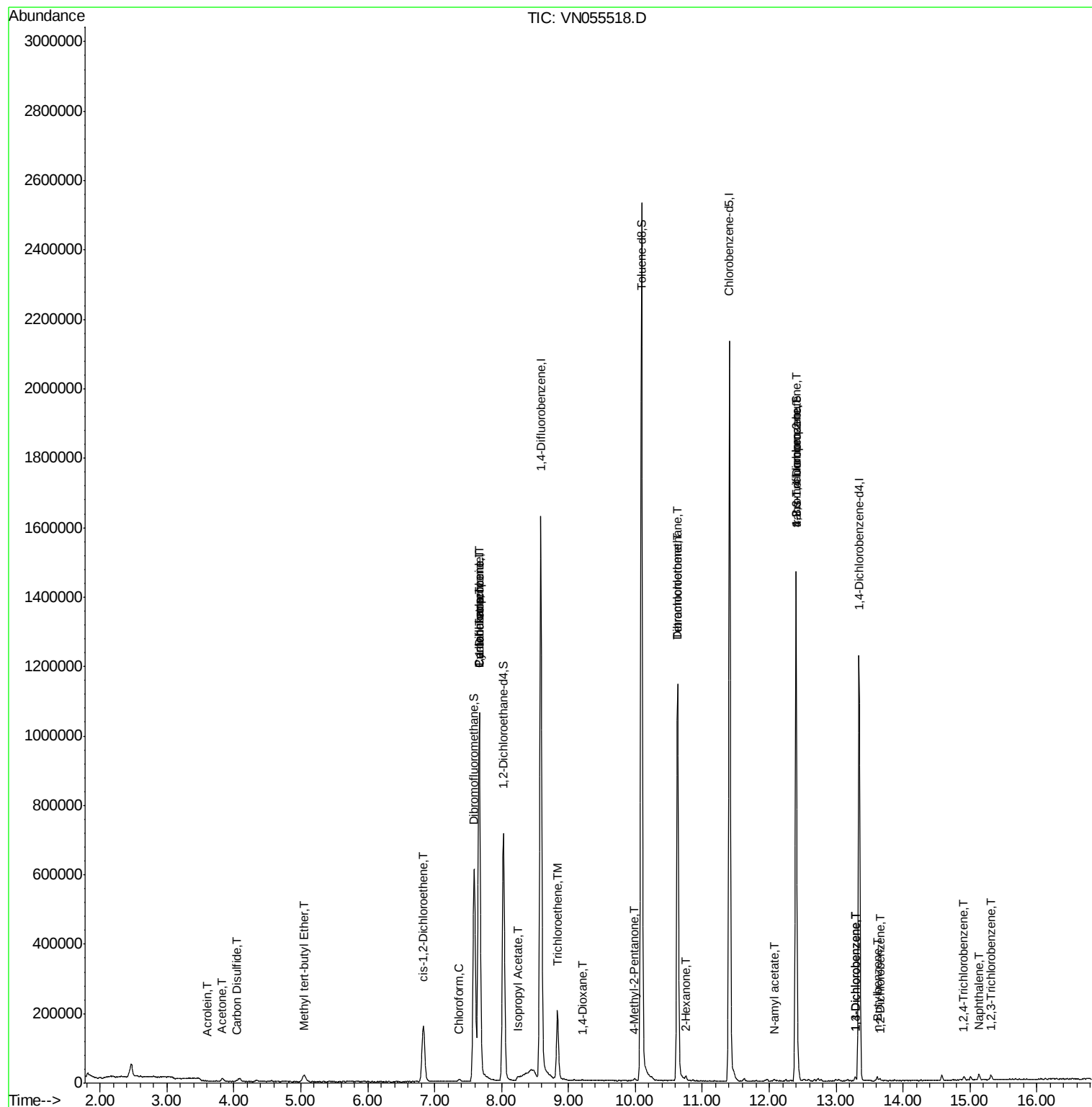
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	381	0.286	ug/l #	64
16) Acetone	3.83	43	13142	2.095	ug/l	96
17) Carbon Disulfide	4.05	76	7426	0.277	ug/l	95
18) Methyl Acetate	4.34	43	8006	Below Cal	#	76
19) Methyl tert-butyl Ether	5.05	73	27489	0.841	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	105659	8.574	ug/l	92
30) Chloroform	7.38	83	6746	0.330	ug/l	88
31) Cyclohexane	7.66	56	20107	0.920	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	73958	5.021	ug/l #	50
38) Carbon Tetrachloride	7.67	117	87555	7.060	ug/l #	16
43) Isopropyl Acetate	8.25	43	9187	0.376	ug/l #	63
44) Trichloroethene	8.83	130	74464	6.846	ug/l	93
49) 1,4-Dioxane	9.21	88	151	0.659	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5414	0.337	ug/l	91
59) 2-Hexanone	10.75	43	8259	0.734	ug/l	98
60) Dibromochloromethane	10.63	129	249327	25.900	ug/l #	11
64) Tetrachloroethene	10.63	164	279884	27.118	ug/l	99
73) Isopropylbenzene	12.25	105	2844	Below Cal		95
74) N-amyl acetate	12.07	43	3749	0.286	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	1112	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.40	75	261105	27.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	261105	102.583	ug/l #	7
87) 1,3-Dichlorobenzene	13.29	146	2748	0.234	ug/l	93
88) 1,4-Dichlorobenzene	13.29	146	2748	0.237	ug/l	92
89) n-Butylbenzene	13.62	91	6549	0.330	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	3101	0.264	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	3947	3.928	ug/l	97
94) Hexachlorobutadiene	15.00	225	1638	Below Cal		95
95) Naphthalene	15.14	128	13162	3.798	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	4477	3.192	ug/l	96

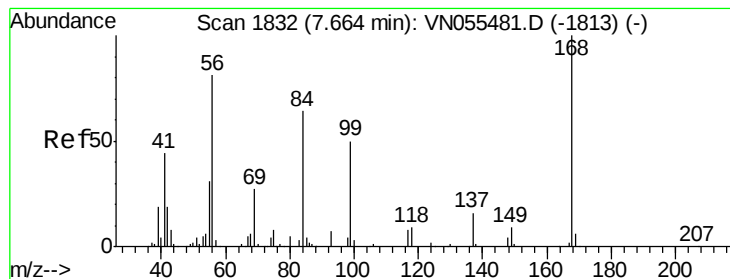
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

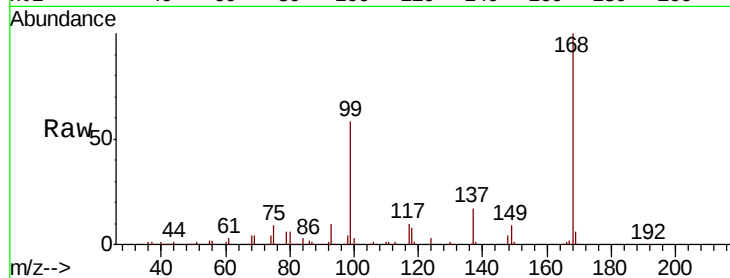
CKMW-23

Tot Ion:168 Resp: 899870

Ion Ratio Lower Upper

168 100

99 57.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055518.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055518.D (-1739) (-)

7.67

400000

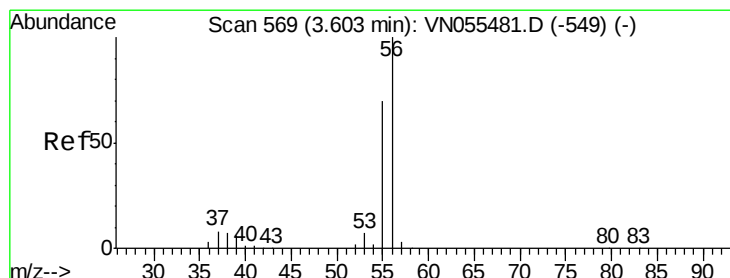
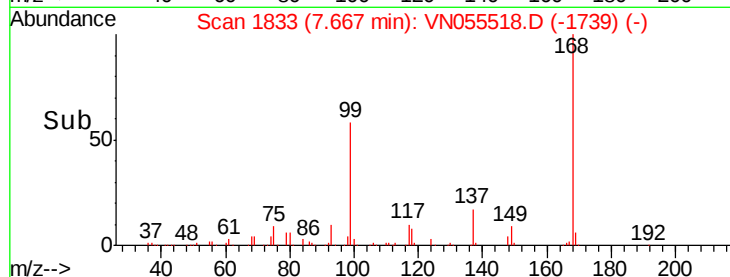
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.286 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055518.D

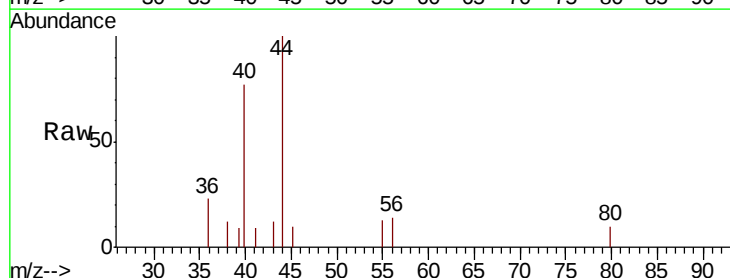
Acq: 10 May 2019 00:49

Tgt Ion: 56 Resp: 381

Ion Ratio Lower Upper

56 100

55 102.4 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN055518.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN055518.D (-476) (-)

3.60

400

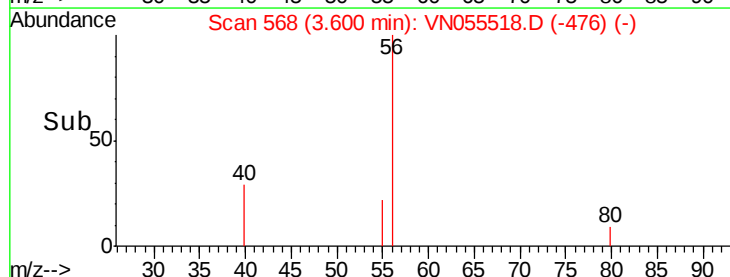
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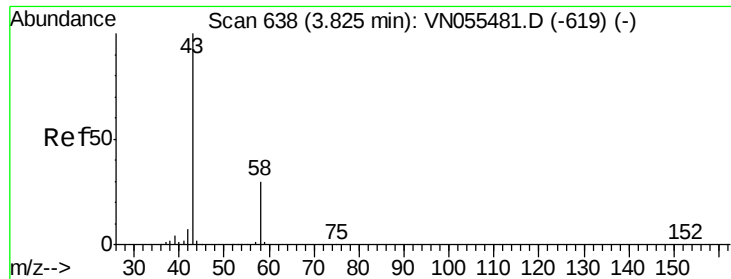
200

100

0

Time-->





#16

Acetone

Concen: 2.095 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

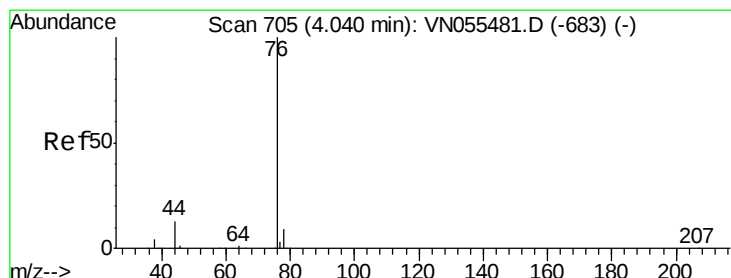
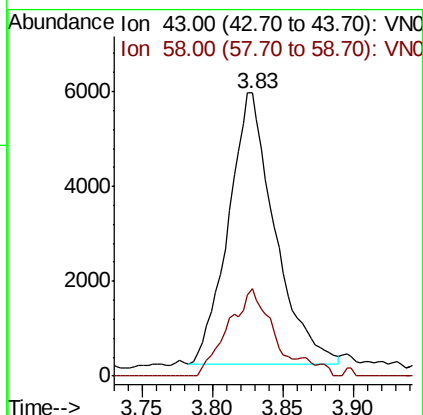
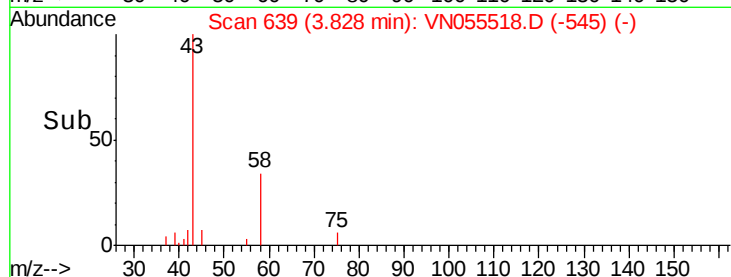
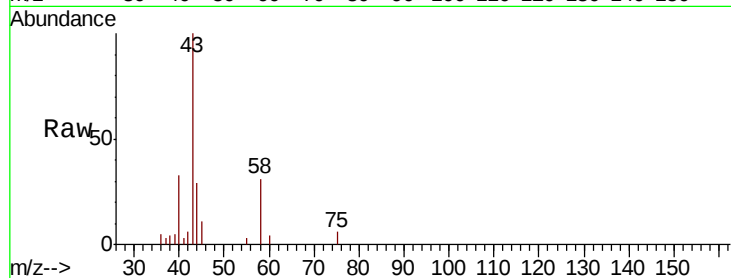
CKMW-23

Tot Ion: 43 Resp: 13142

Ion Ratio Lower Upper

43 100

58 32.2 24.2 36.2



#17

Carbon Disulfide

Concen: 0.277 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055518.D

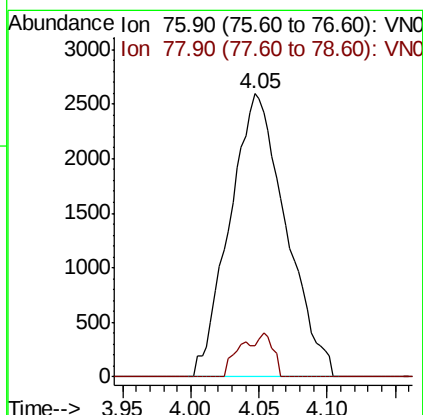
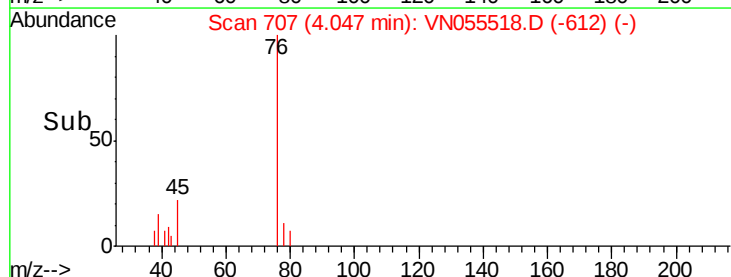
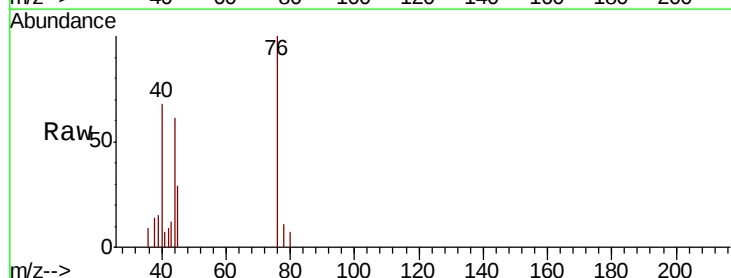
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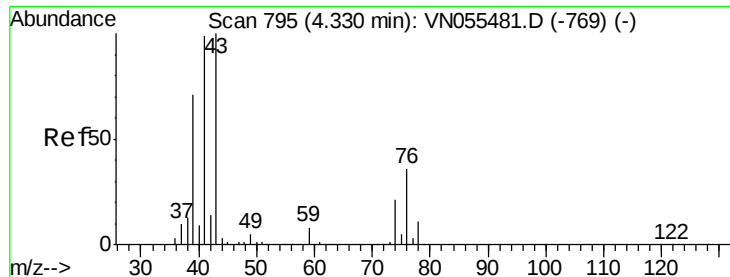
Tgt Ion: 76 Resp: 7426

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 799

Delta R.T. 0.01 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

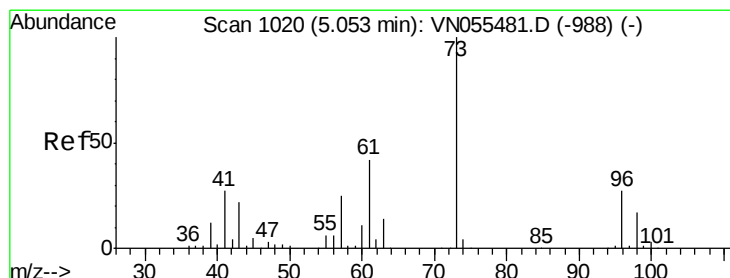
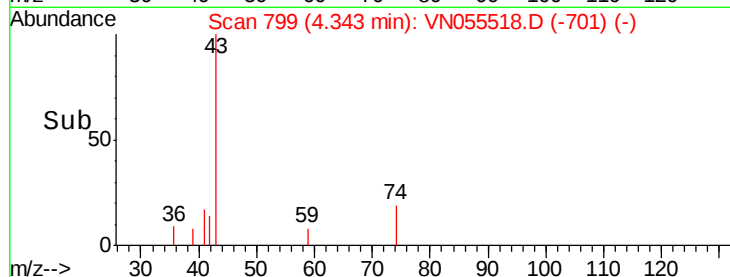
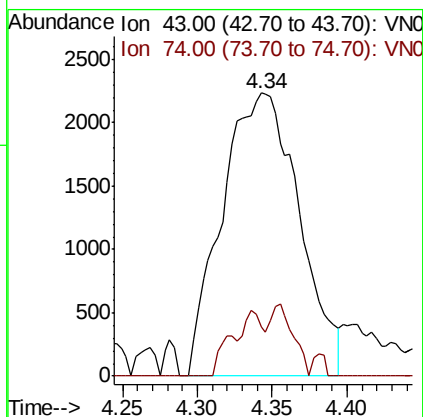
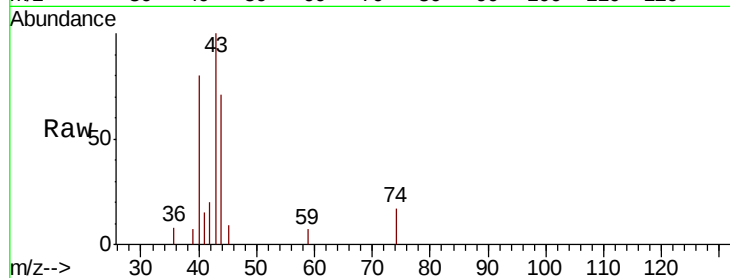
CKMW-23

Tot Ion: 43 Resp: 8006

Ion Ratio Lower Upper

43 100

74 9.3 16.3 24.5#



#19

Methyl tert-butyl Ether

Concen: 0.841 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN055518.D

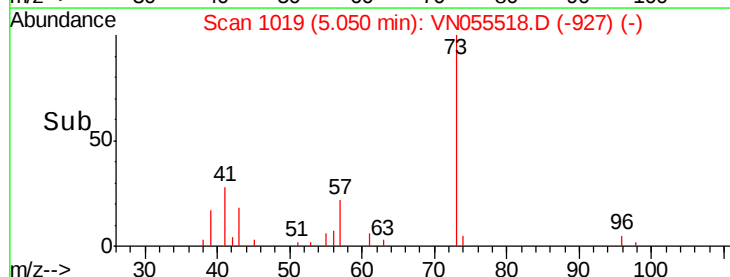
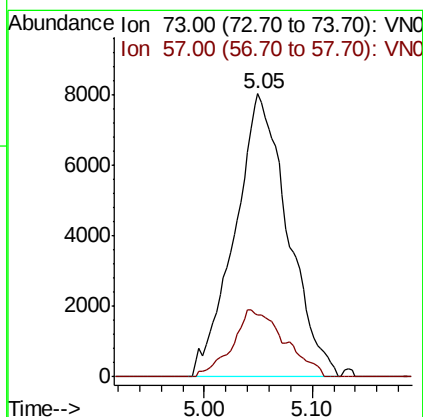
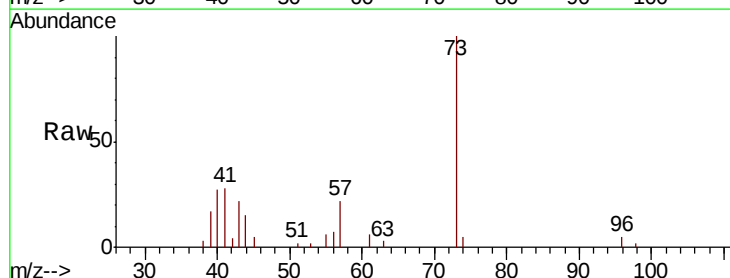
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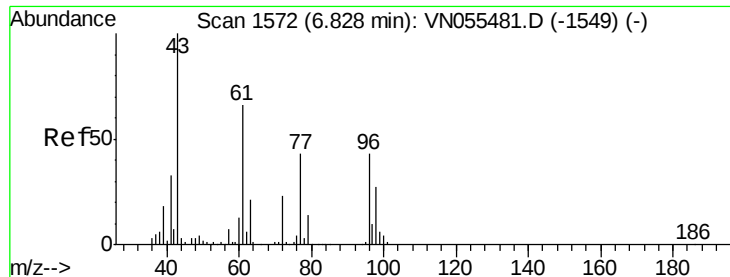
Tgt Ion: 73 Resp: 27489

Ion Ratio Lower Upper

73 100

57 22.1 20.0 30.0

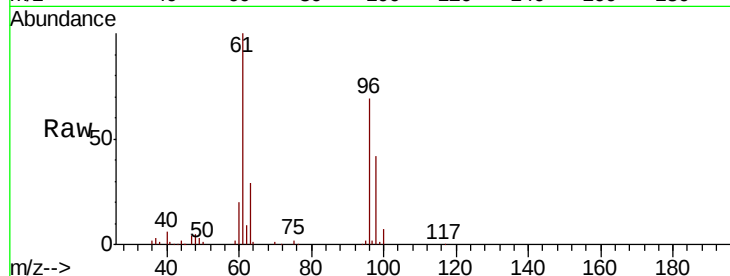




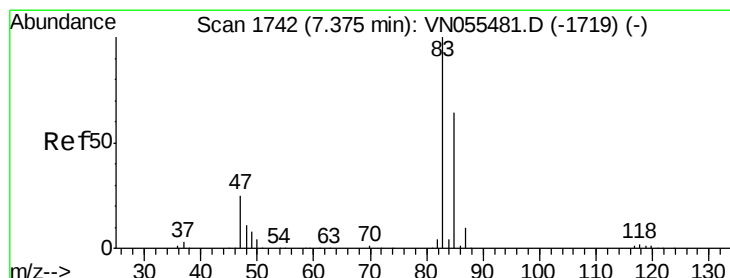
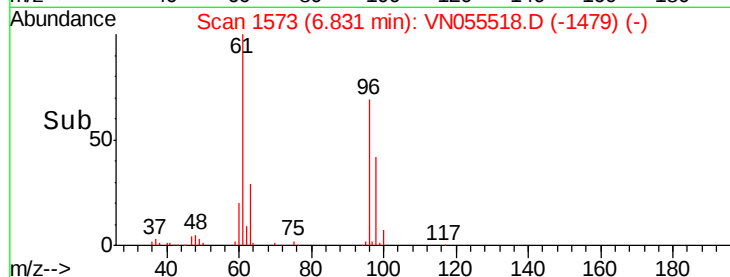
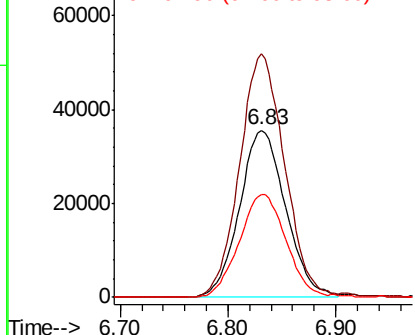
#27
 cis-1,2-Dichloroethene
 Concen: 8.574 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

Tot Ion: 96 Resp: 105659
 Ion Ratio Lower Upper
 96 100
 61 142.1 0.0 310.8
 98 62.9 0.0 129.4

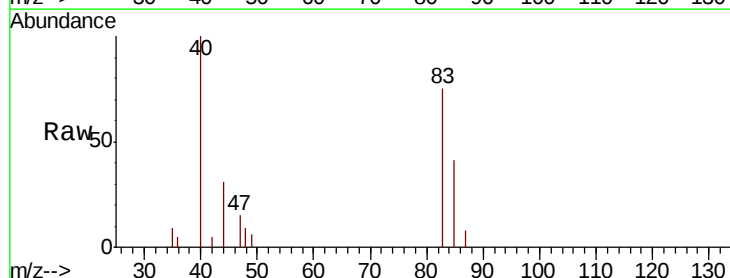


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

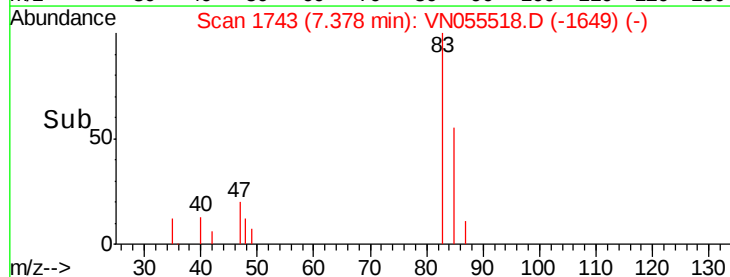
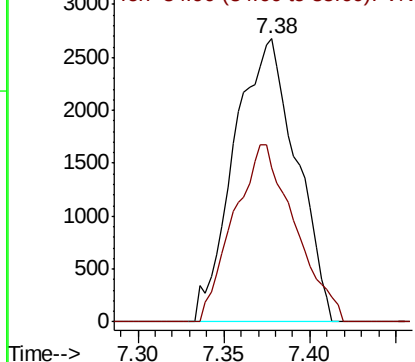


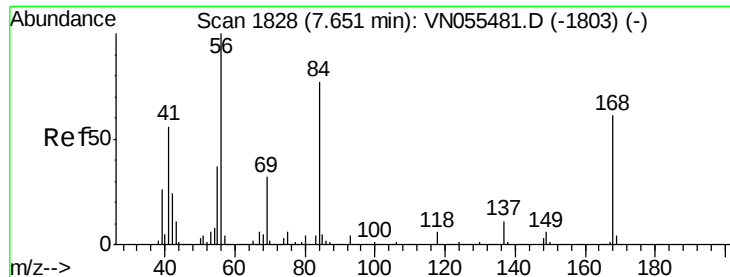
#30
 Chloroform
 Concen: 0.330 ug/l
 RT: 7.38 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion: 83 Resp: 6746
 Ion Ratio Lower Upper
 83 100
 85 54.6 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0

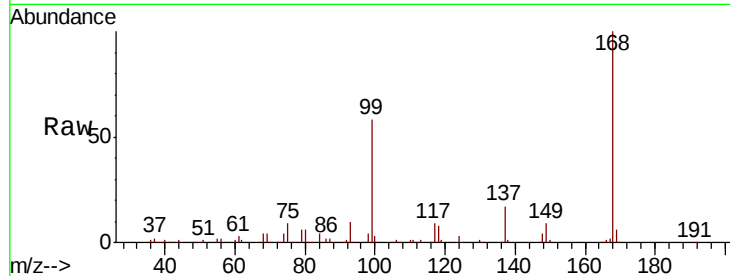




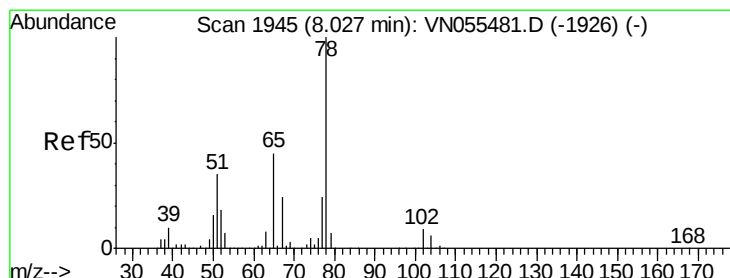
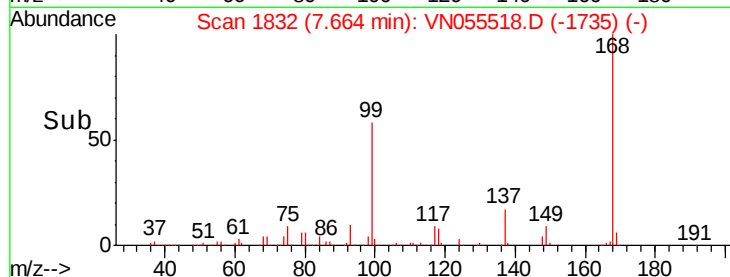
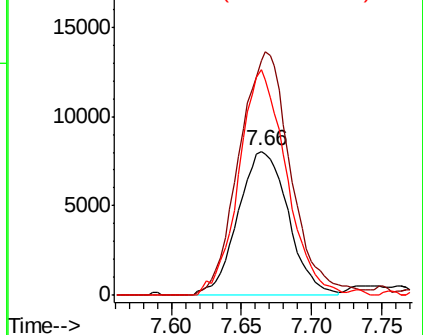
#31
Cyclohexane
Concen: 0.920 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Instrument :
MSVOA_N
ClientSampleId :
CKMW-23

Tot Ion: 56 Resp: 20107
Ion Ratio Lower Upper
56 100
69 162.5 26.0 39.0#
84 156.3 61.9 92.9#

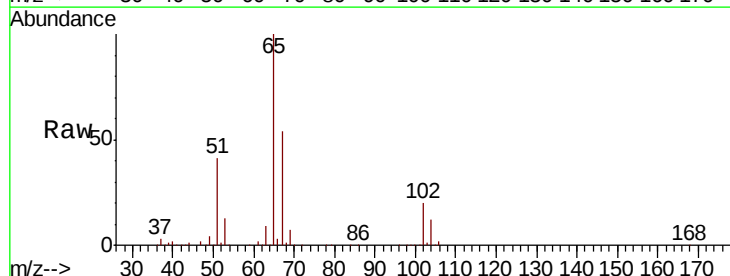


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

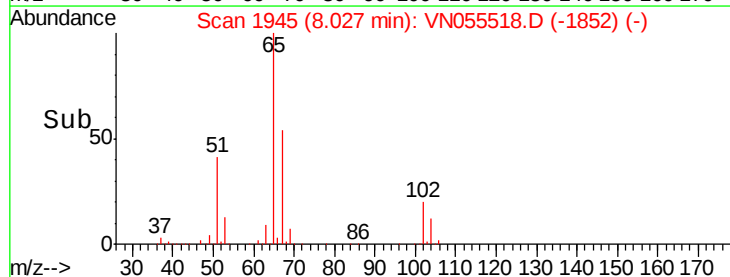
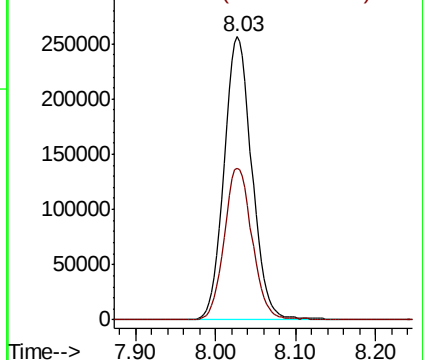


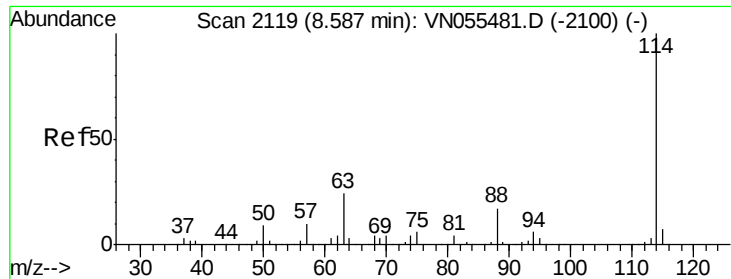
#33
1,2-Dichloroethane-d4
Concen: 45.075 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Tgt Ion: 65 Resp: 610718
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.6



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

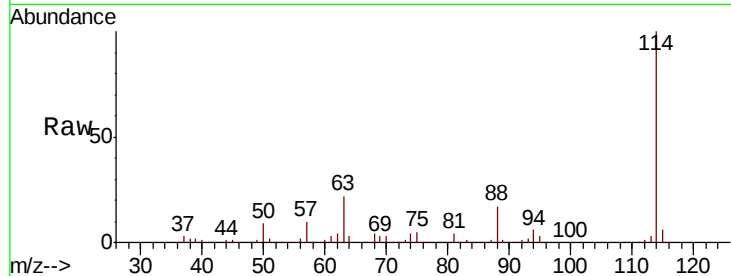




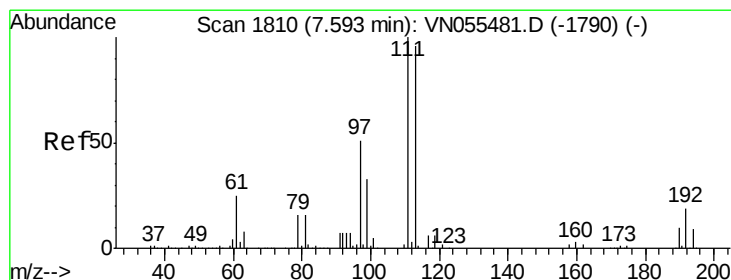
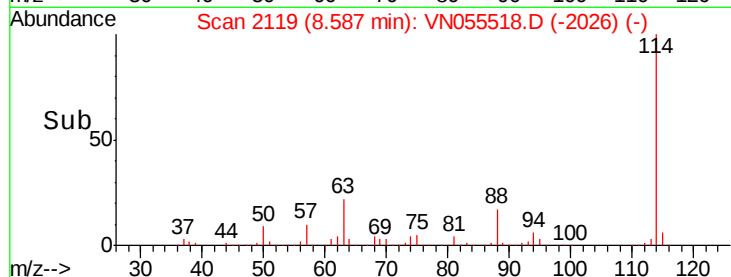
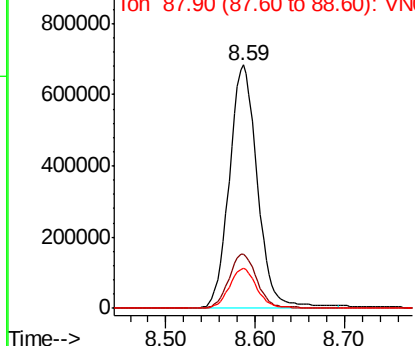
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Instrument :
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 CKMW-23

Tot Ion:114 Resp: 1494993
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.5 0.0 34.0

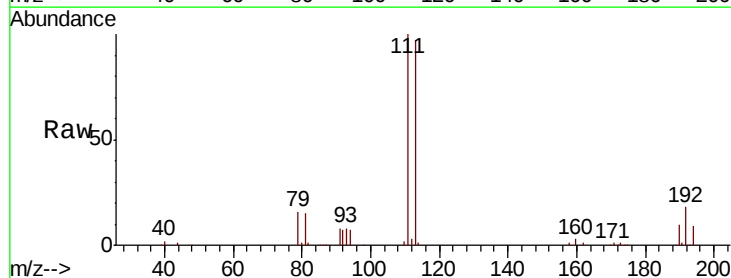


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

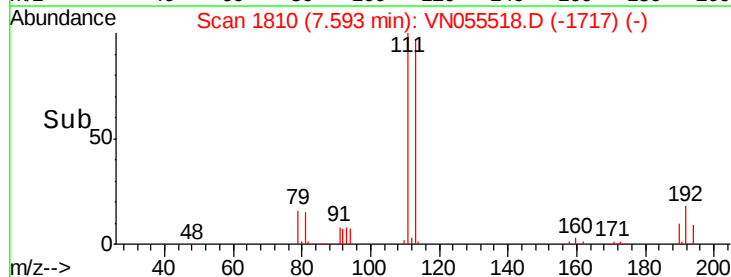
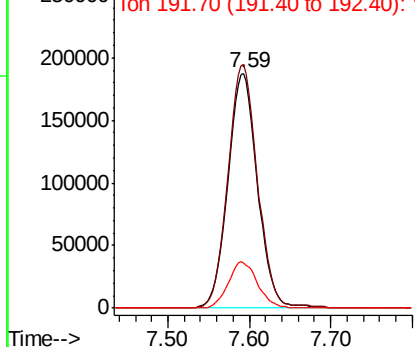


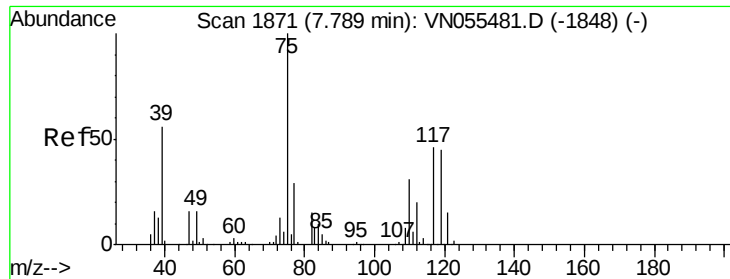
#35
 Dibromofluoromethane
 Concen: 49.359 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion:113 Resp: 476013
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 19.5 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

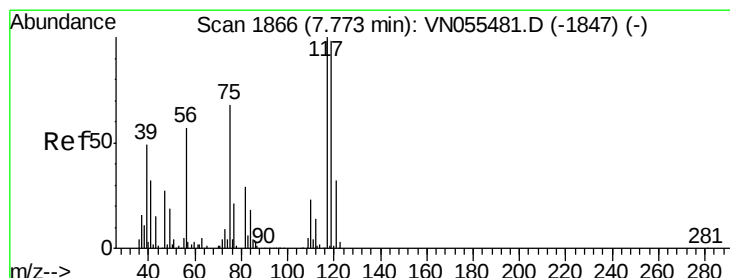
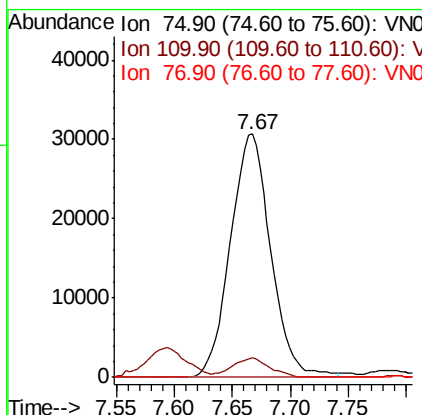
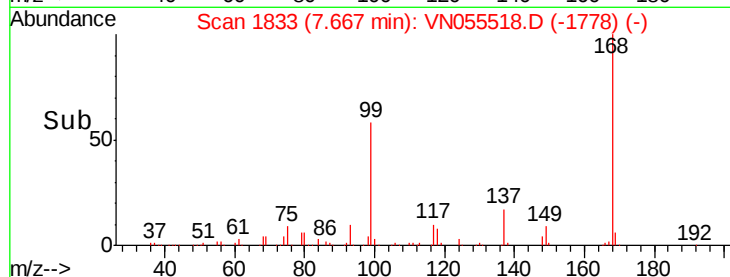
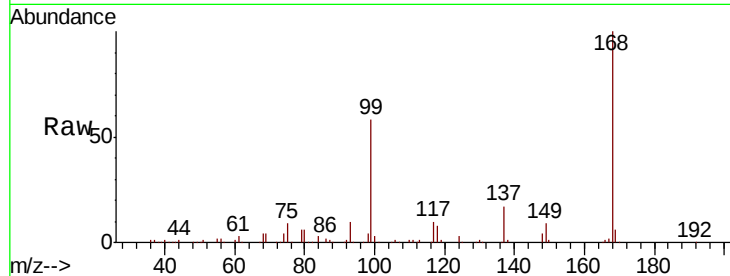




#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

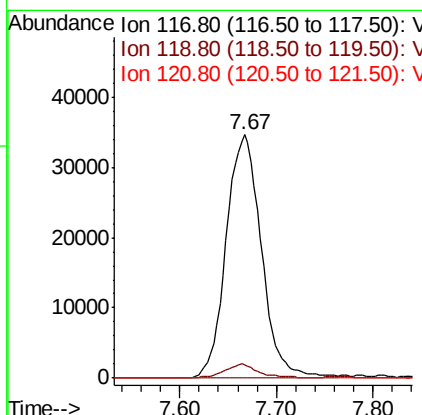
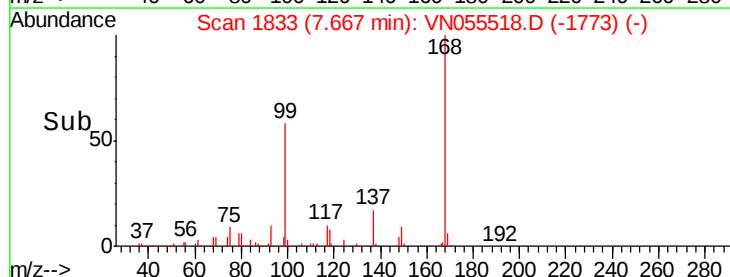
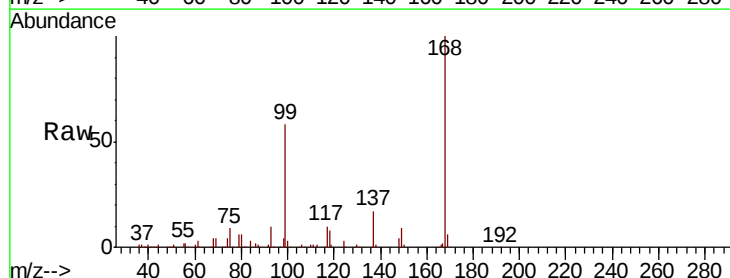
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

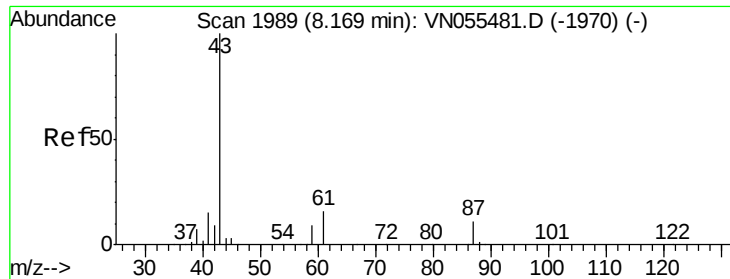
Tot Ion: 75 Resp: 73958
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.1 48.3#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.060 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion: 117 Resp: 87555
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.8 116.6#
 121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 0.376 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.08 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

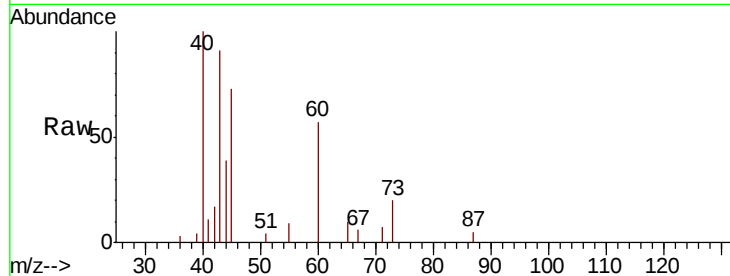
Tot Ion: 43 Resp: 9187

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#

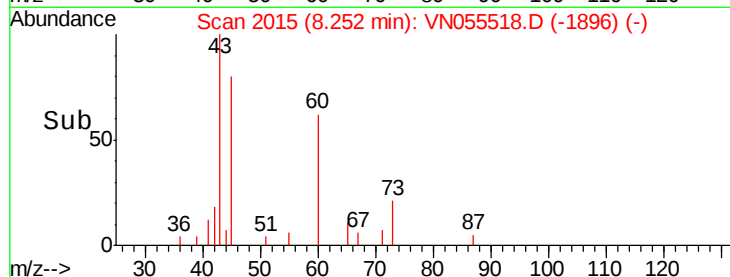


Abundance Ion 43.00 (42.70 to 43.70): VN055518.D (-2015) (-)

Ion 61.00 (60.70 to 61.70): VN055518.D (-2015) (-)

Ion 87.00 (86.70 to 87.70): VN055518.D (-2015) (-)

Time-->

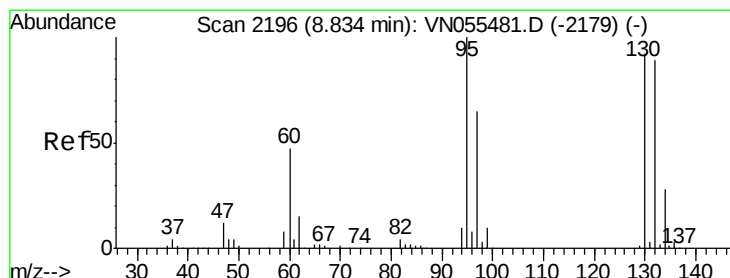


Abundance Ion 43.00 (42.70 to 43.70): VN055518.D (-2015) (-)

Ion 61.00 (60.70 to 61.70): VN055518.D (-2015) (-)

Ion 87.00 (86.70 to 87.70): VN055518.D (-2015) (-)

Time-->



#44

Trichloroethene

Concen: 6.846 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055518.D

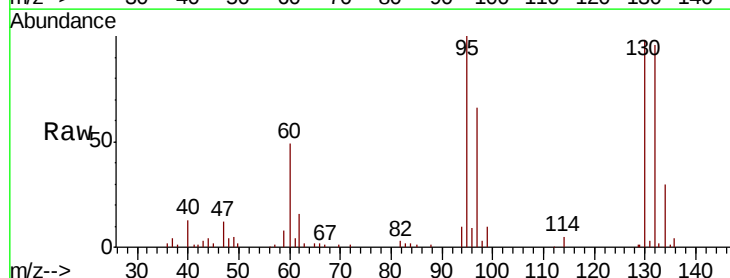
Acq: 10 May 2019 00:49

Tgt Ion: 130 Resp: 74464

Ion Ratio Lower Upper

130 100

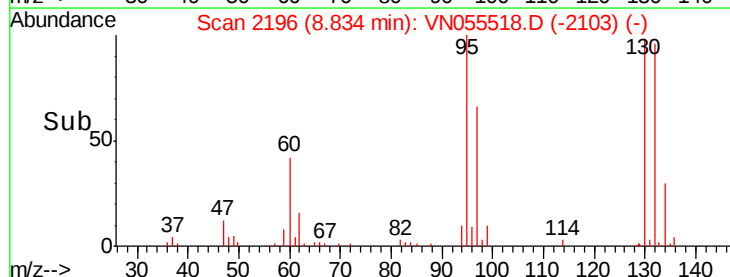
95 101.5 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055518.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055518.D (-2196) (-)

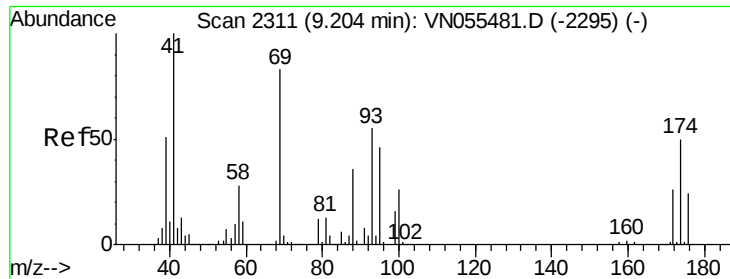
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN055518.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055518.D (-2196) (-)

Time-->



#49

1,4-Dioxane

Concen: 0.659 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

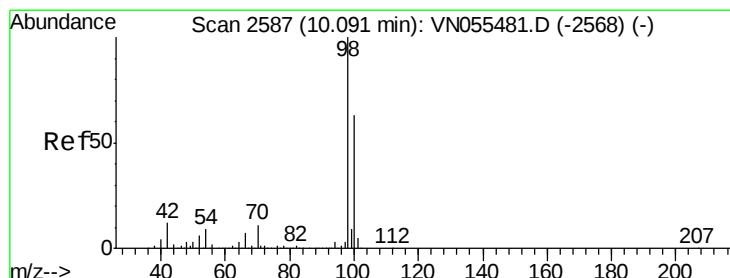
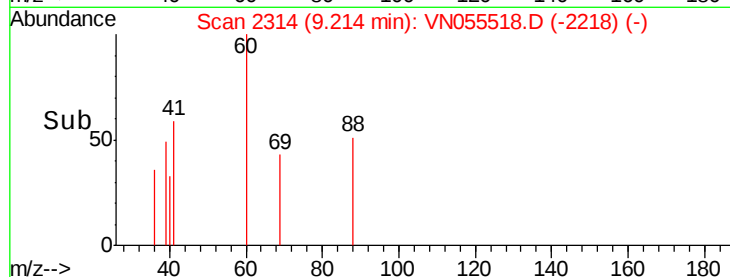
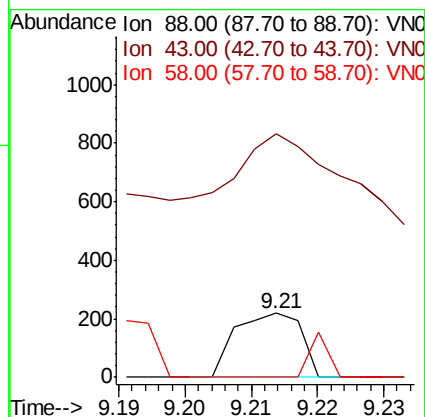
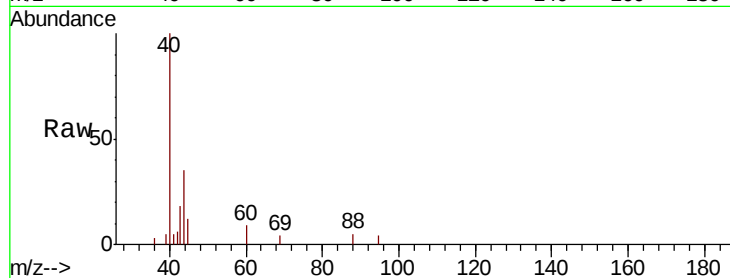
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 276.8 27.8 41.8#

58 19.9 61.8 92.6#



#50

Toluene-d8

Concen: 49.146 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055518.D

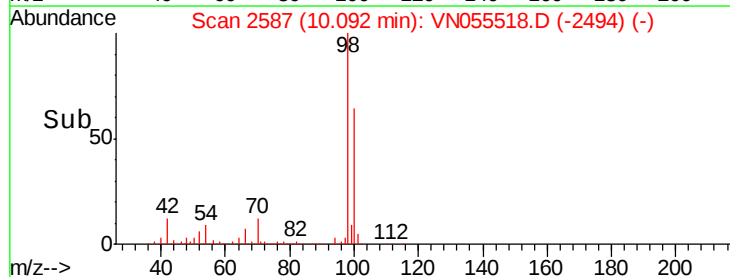
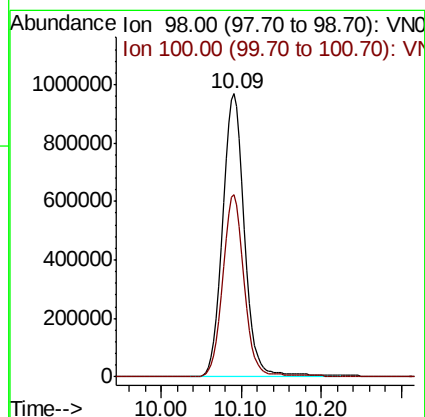
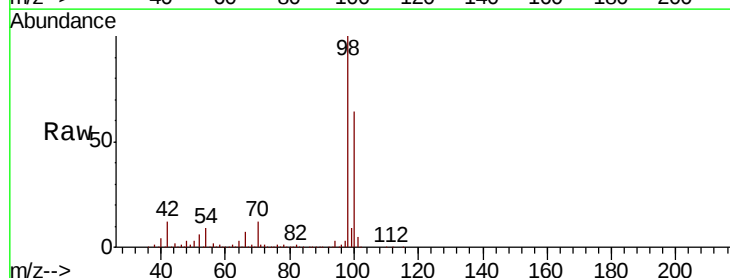
Acq: 10 May 2019 00:49

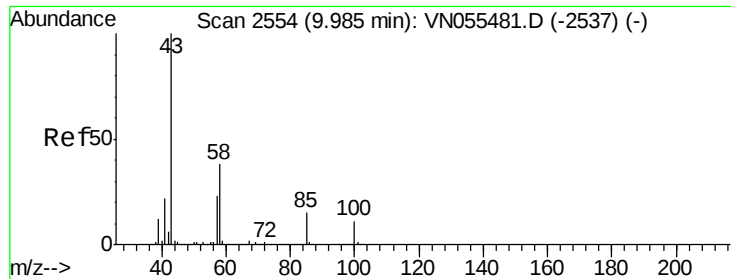
Tgt Ion: 98 Resp: 1846957

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6

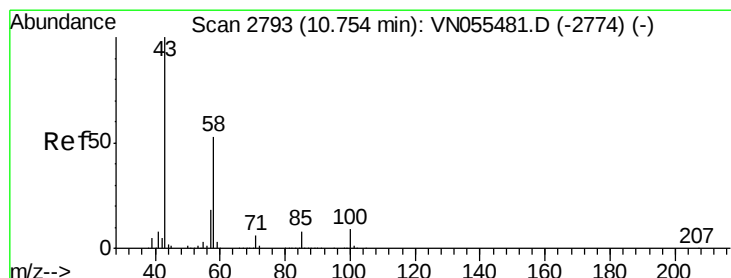
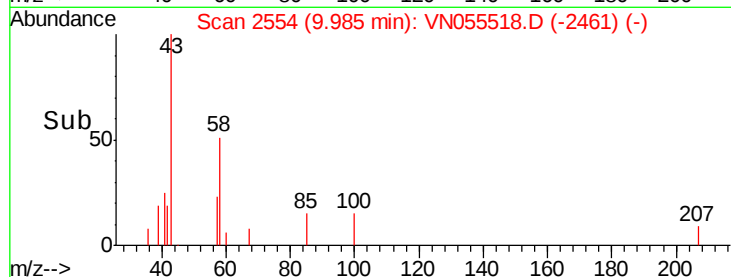
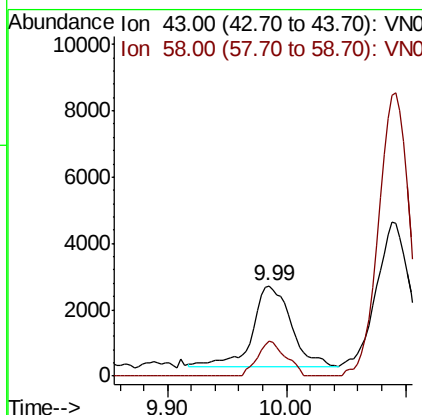
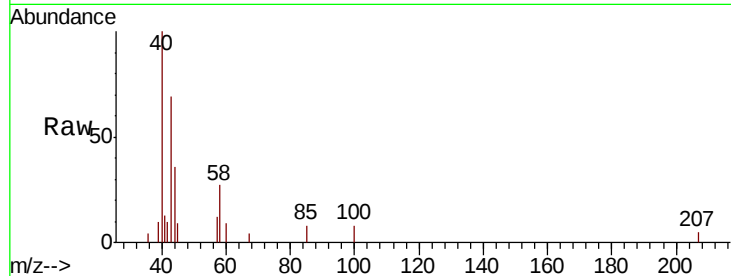




#51
 4-Methyl-2-Pentanone
 Concen: 0.337 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

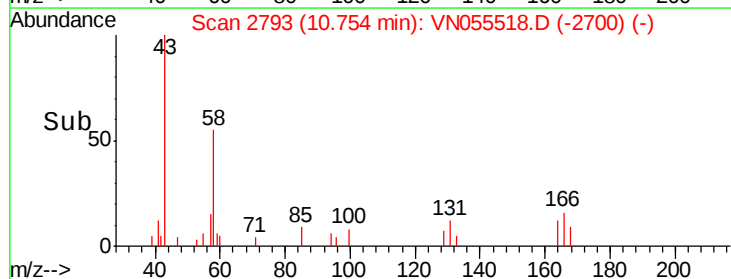
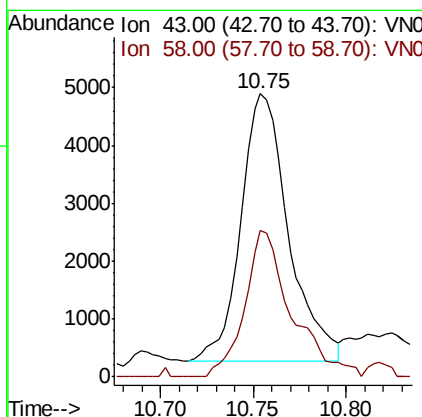
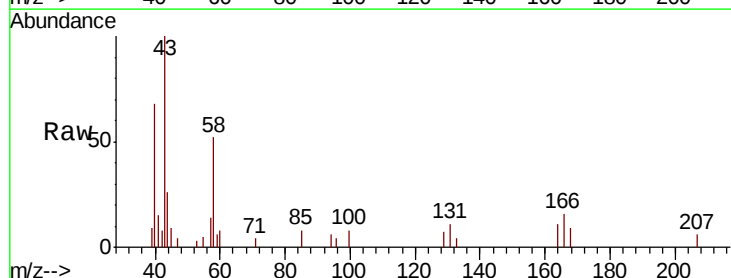
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

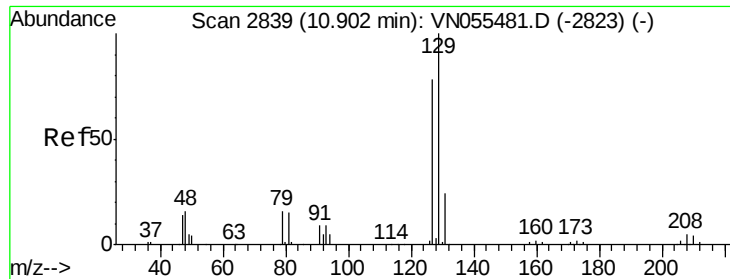
Tot Ion: 43 Resp: 5414
 Ion Ratio Lower Upper
 43 100
 58 32.0 29.9 44.9



#59
 2-Hexanone
 Concen: 0.734 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion: 43 Resp: 8259
 Ion Ratio Lower Upper
 43 100
 58 53.9 26.4 79.0

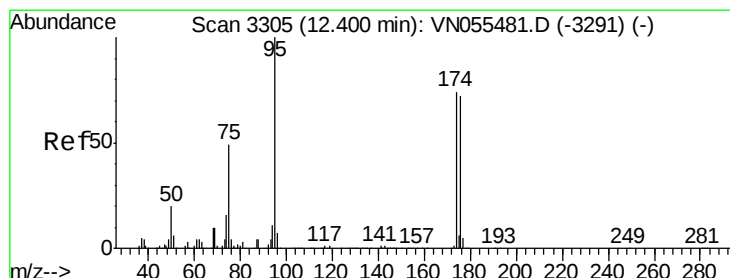
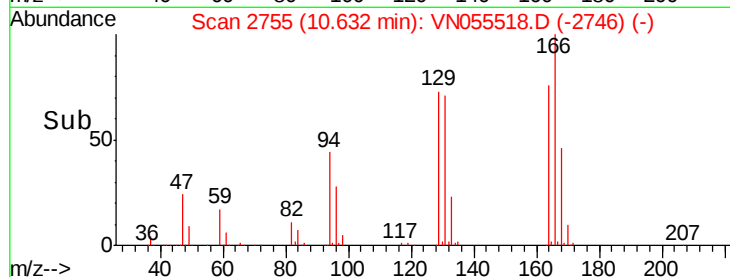
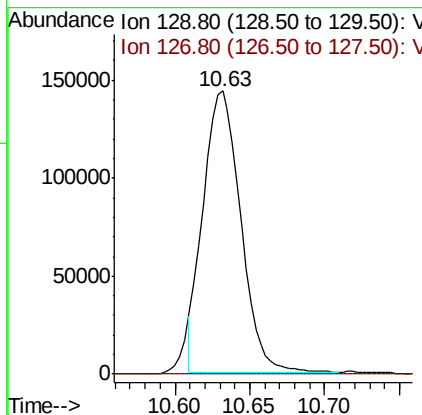
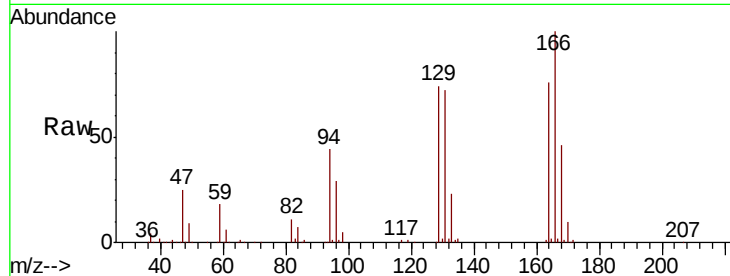




#60
Dibromochloromethane
Concen: 25.900 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

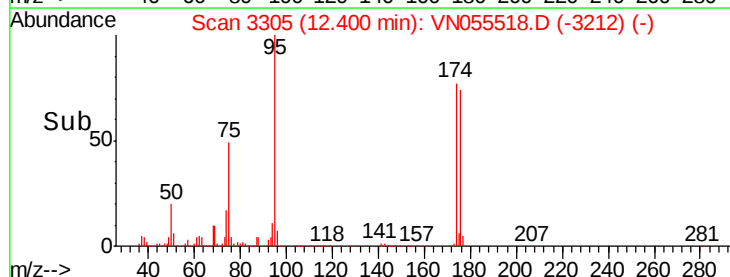
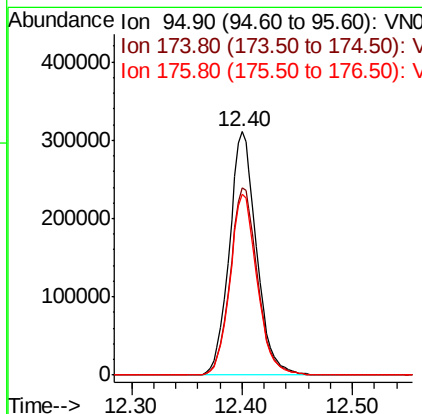
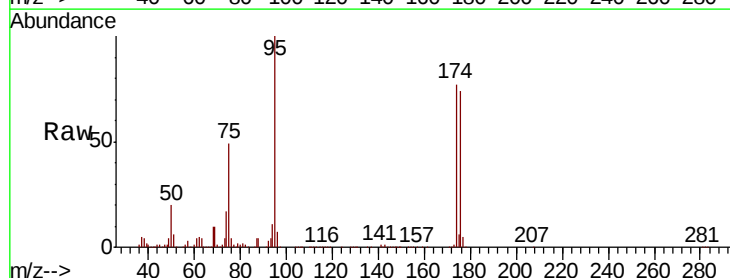
Instrument :
MSVOA_N
ClientSampleId :
CKMW-23

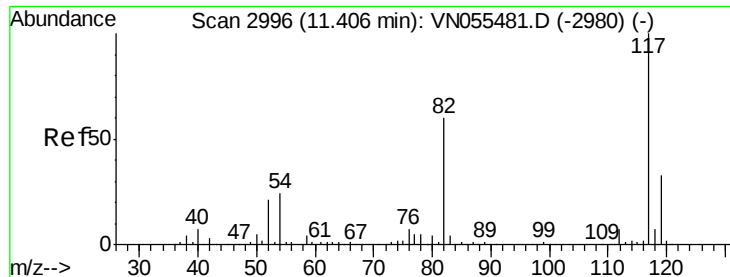
Tot Ion:129 Resp: 249327
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 41.737 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Tgt Ion: 95 Resp: 528883
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.2
176 74.3 0.0 147.8

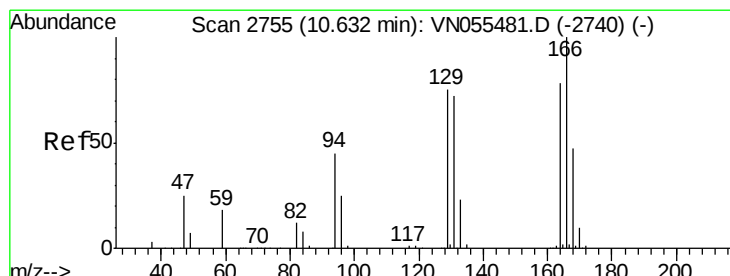
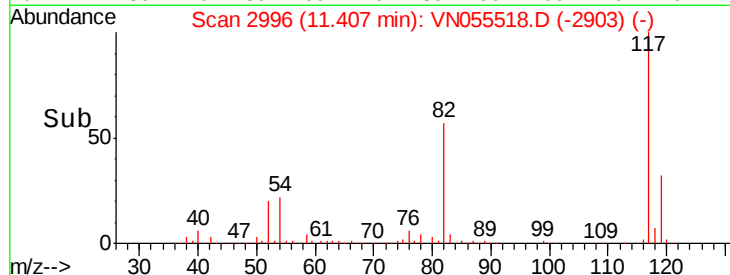
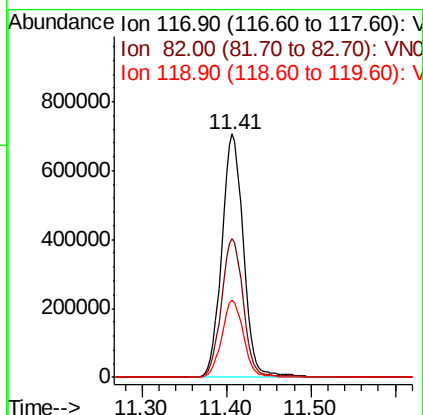
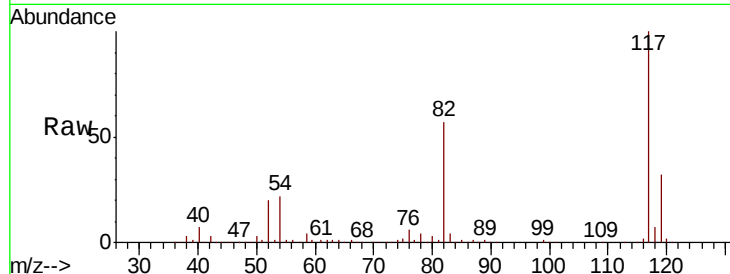




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

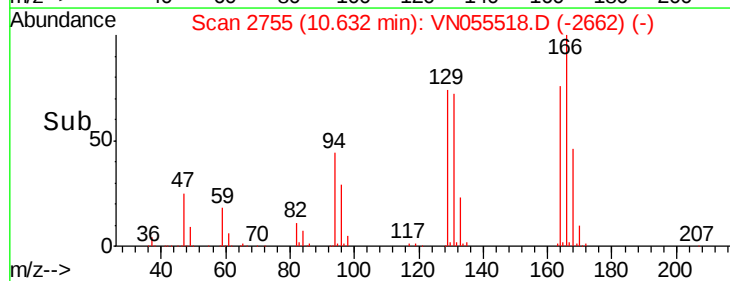
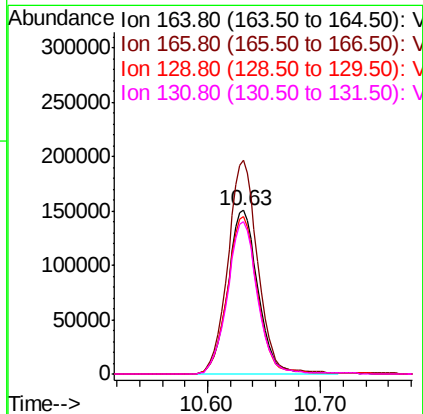
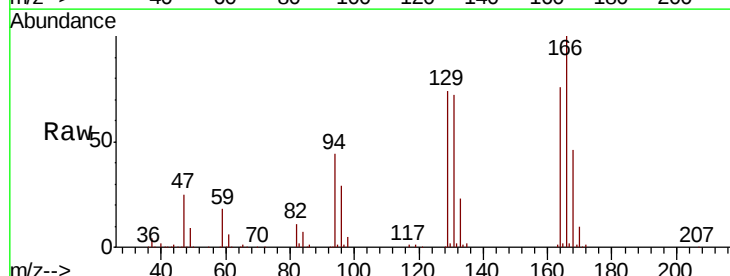
Instrument :
MSVOA_N
ClientSampleId :
CKMW-23

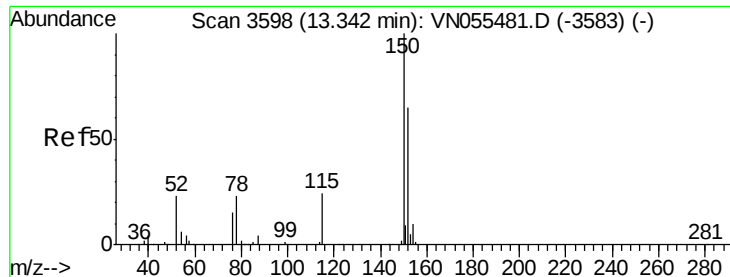
Tot Ion:117 Resp: 1259551
Ion Ratio Lower Upper
117 100
82 57.1 48.0 72.0
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 27.118 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Tgt Ion:164 Resp: 279884
Ion Ratio Lower Upper
164 100
166 130.8 102.6 153.8
129 96.1 77.0 115.6
131 93.6 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

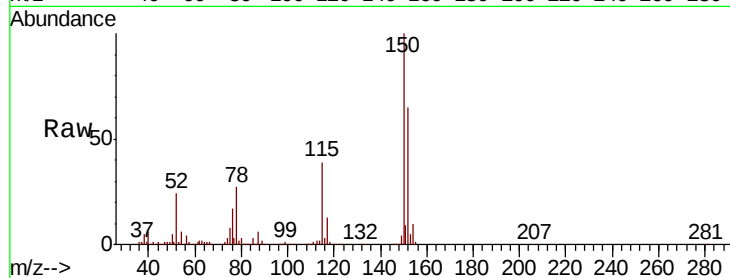
Tot Ion:152 Resp: 344992

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

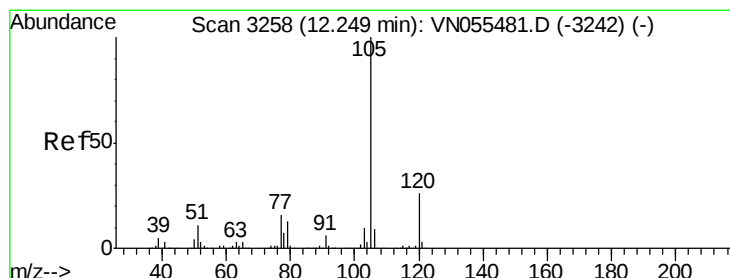
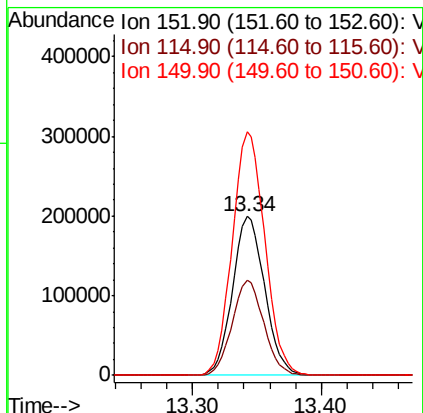
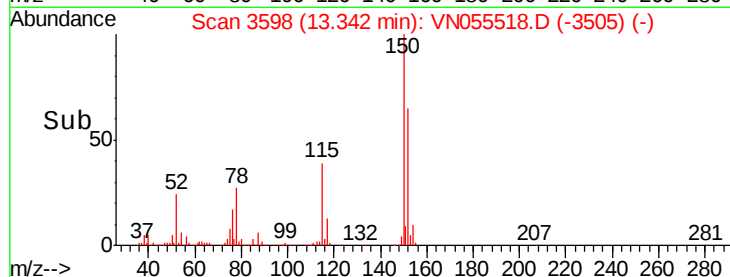
150 155.2 0.0 355.0



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: VN055518.D

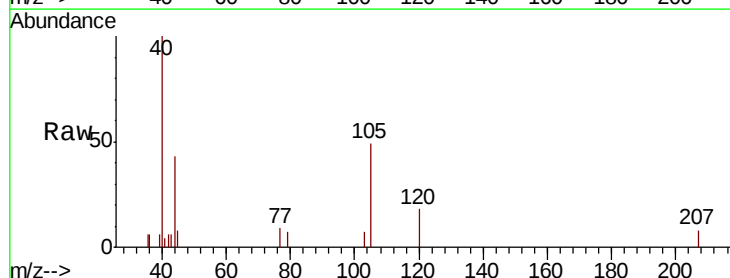
Acq: 10 May 2019 00:49

Tgt Ion:105 Resp: 2844

Ion Ratio Lower Upper

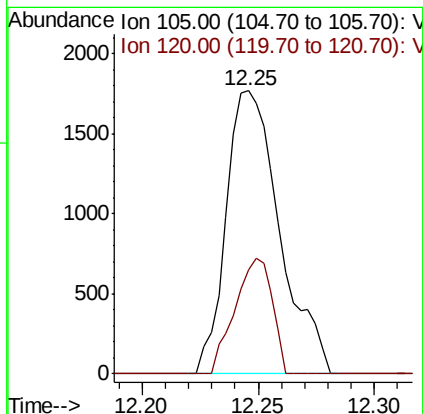
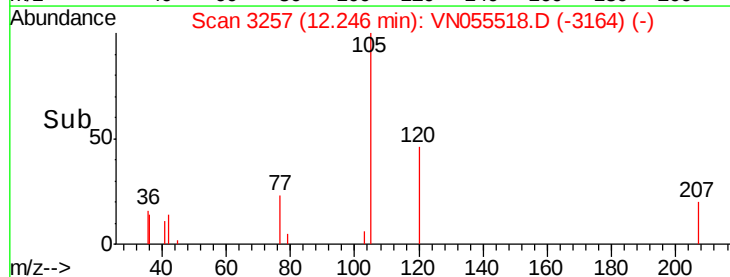
105 100

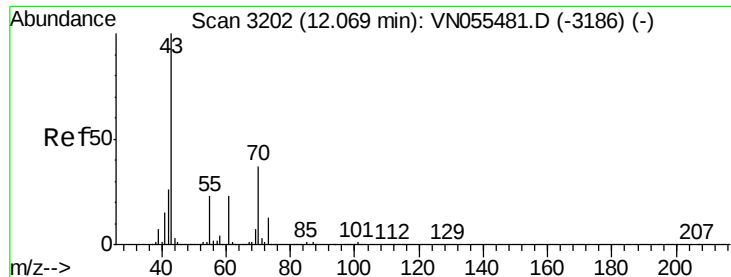
120 28.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.286 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

Tot Ion: 43 Resp: 3749

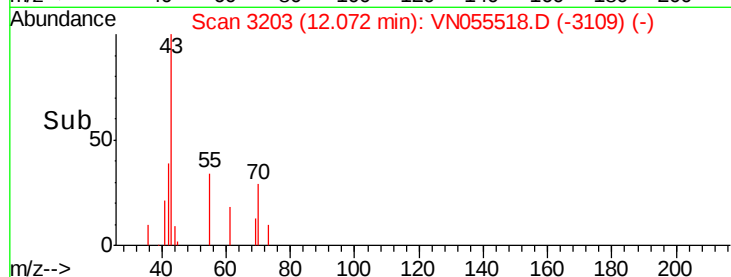
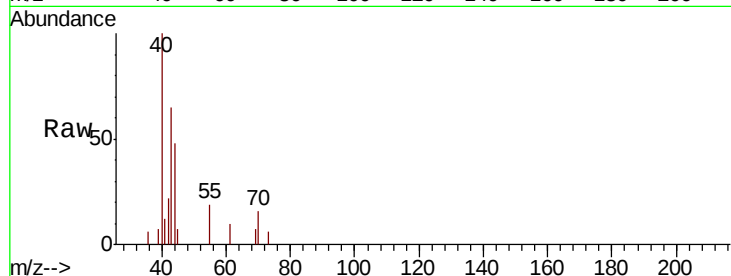
Ion Ratio Lower Upper

43 100

70 36.2 30.7 46.1

55 30.6 19.3 28.9#

61 5.0 18.6 27.8#

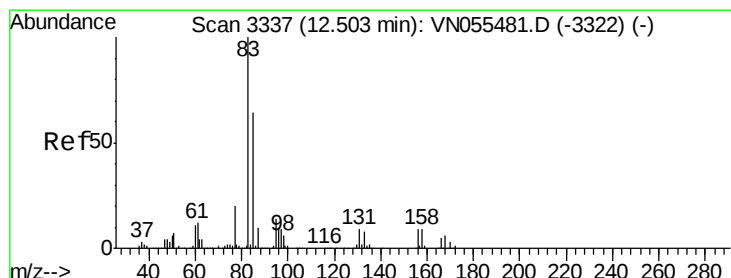
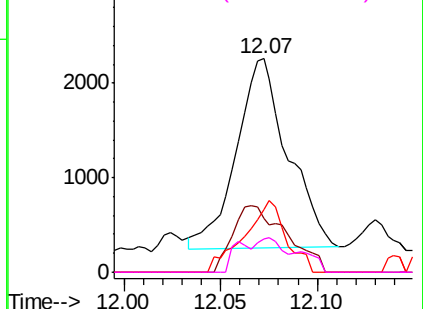


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

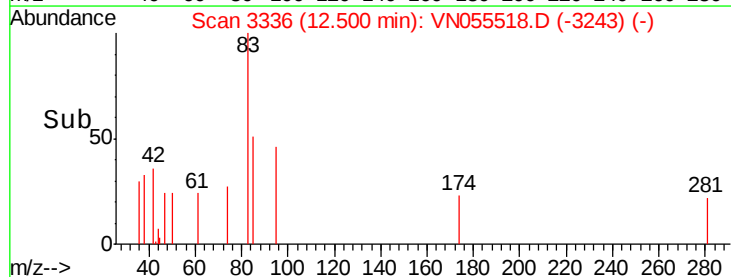
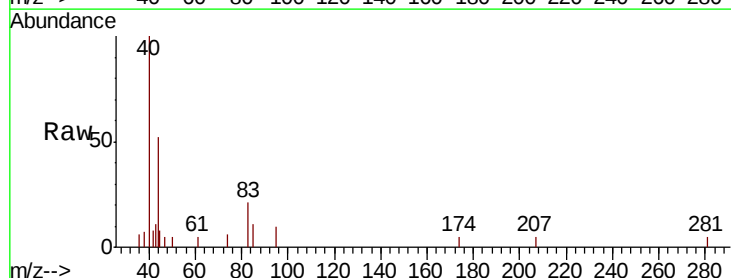
Tgt Ion: 83 Resp: 1112

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

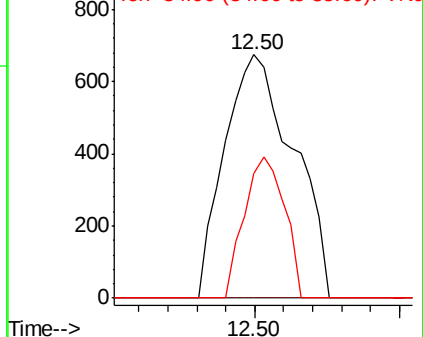
85 33.8 32.0 96.0

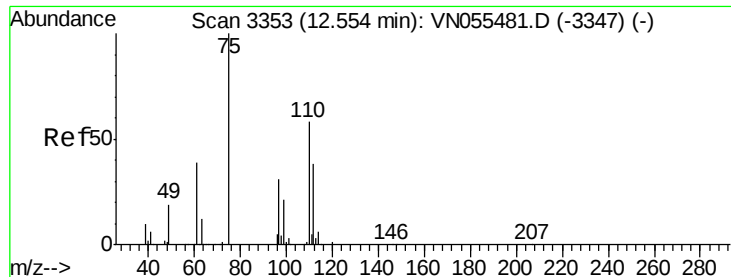


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 27.801 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

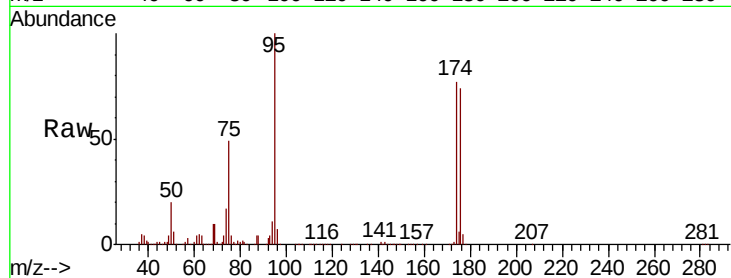
CKMW-23

Tot Ion: 75 Resp: 261105

Ion Ratio Lower Upper

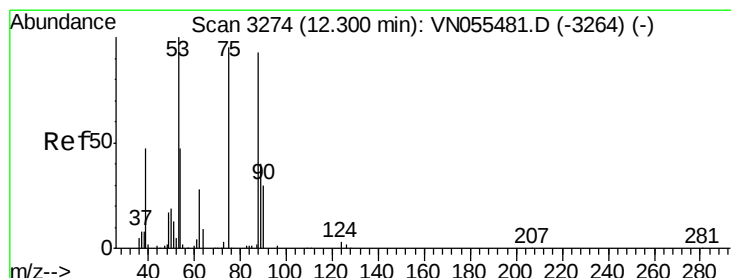
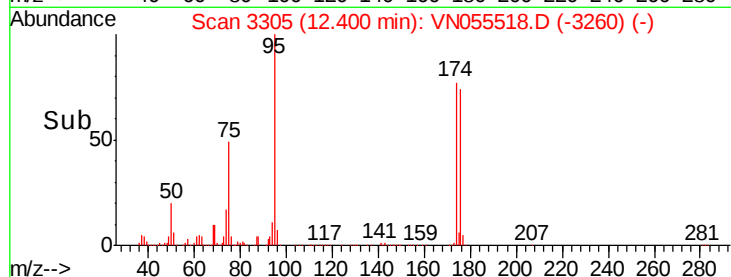
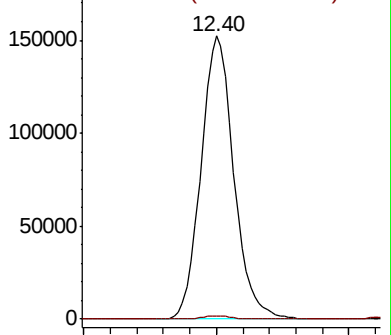
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 102.583 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

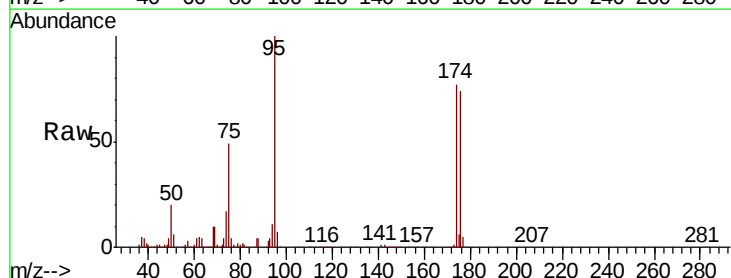
Tgt Ion: 75 Resp: 261105

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

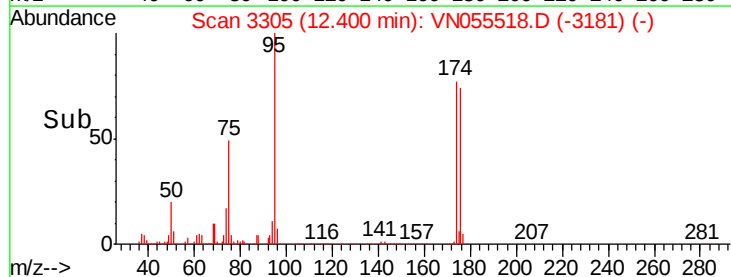
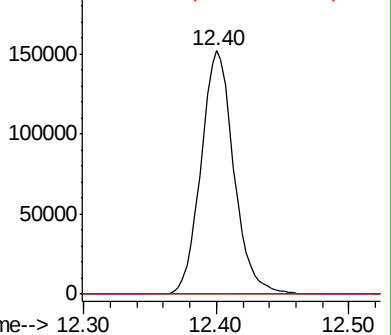
89 0.0 35.7 53.5#

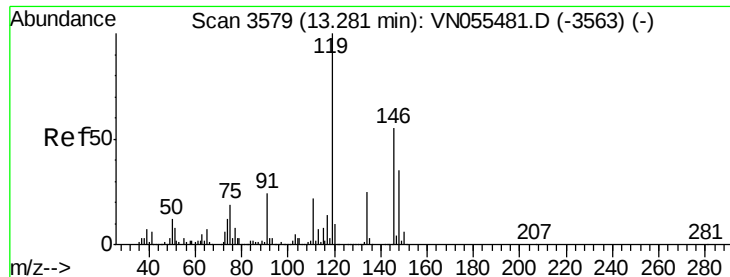


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#87

1,3-Dichlorobenzene

Concen: 0.234 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.01 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

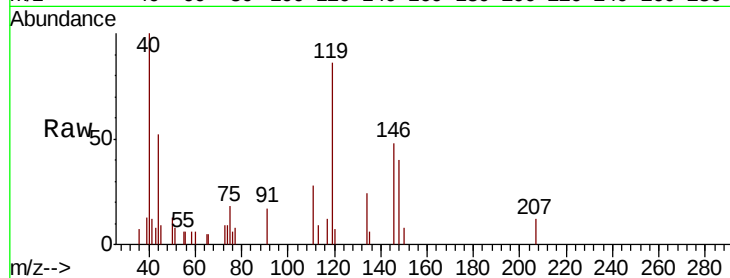
Tot Ion:146 Resp: 2748

Ion Ratio Lower Upper

146 100

111 51.2 20.4 61.3

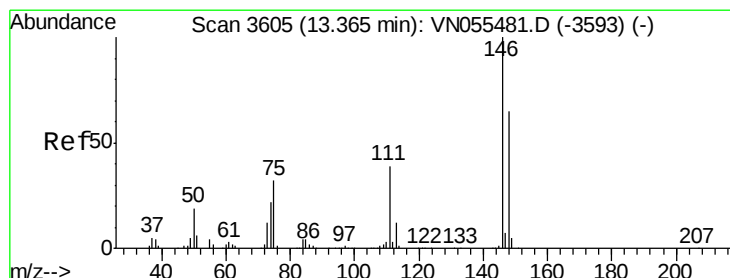
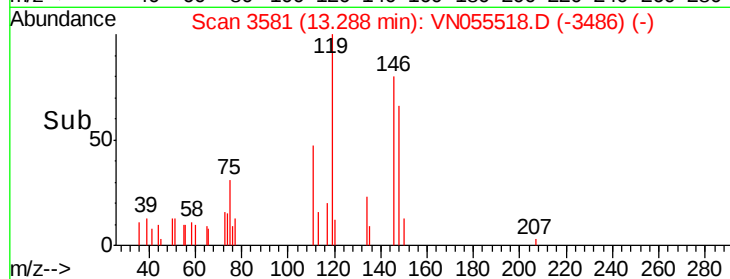
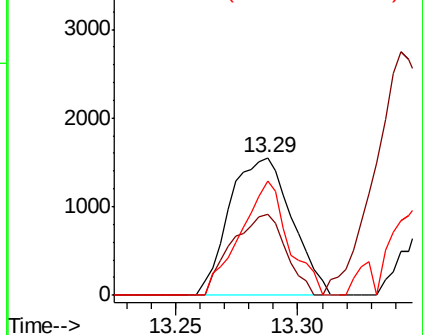
148 63.8 32.1 96.5



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: 0.237 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

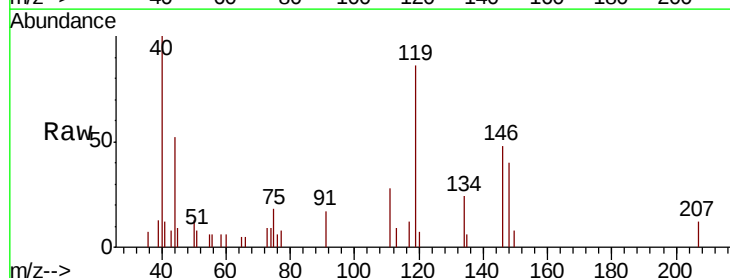
Tgt Ion:146 Resp: 2748

Ion Ratio Lower Upper

146 100

111 51.2 19.6 58.8

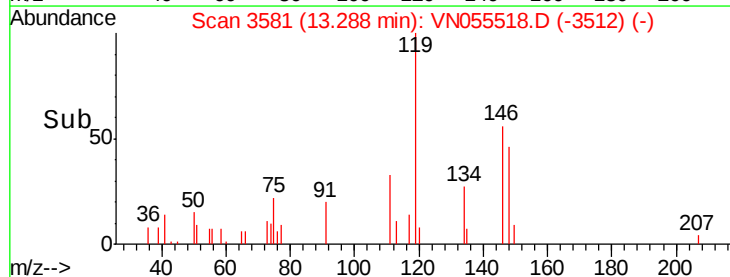
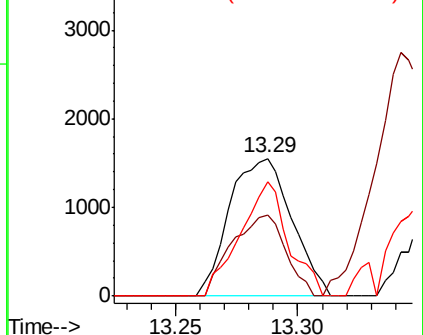
148 63.8 32.5 97.4

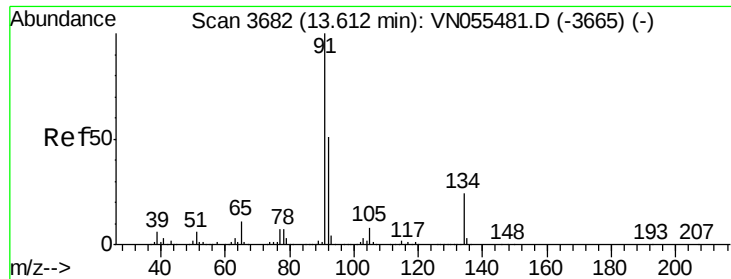


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.330 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampled :

CKMW-23

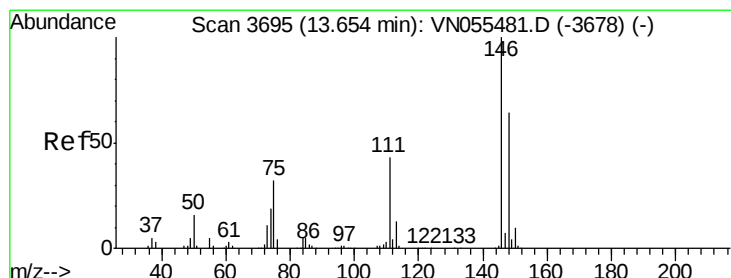
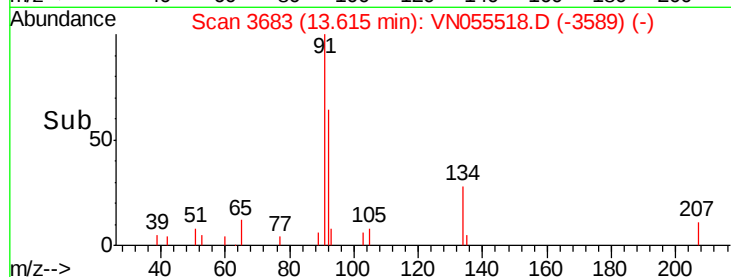
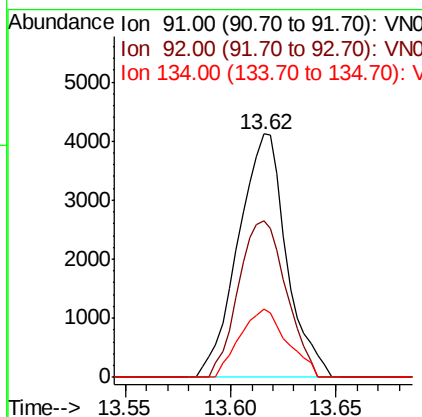
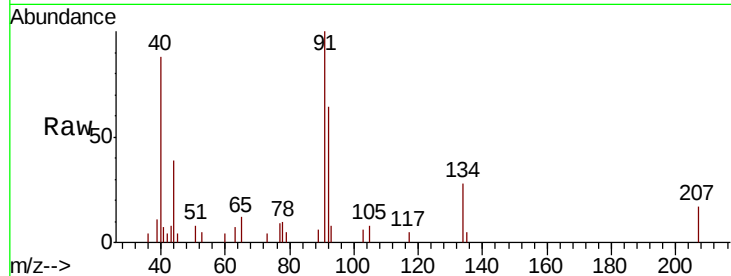
Tot Ion: 91 Resp: 6549

Ion Ratio Lower Upper

91 100

92 63.5 25.9 77.7

134 27.4 11.8 35.4



#91

1,2-Dichlorobenzene

Concen: 0.264 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

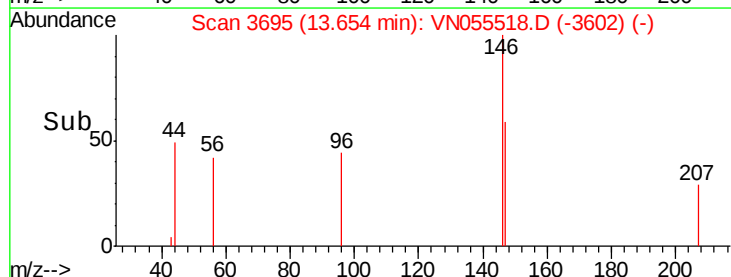
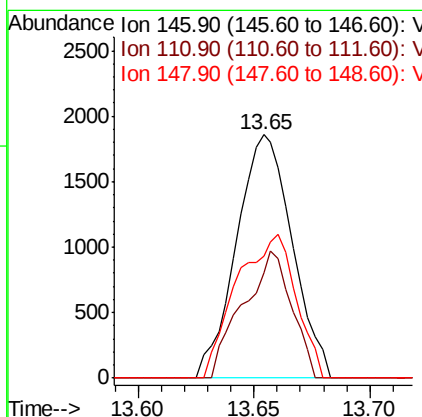
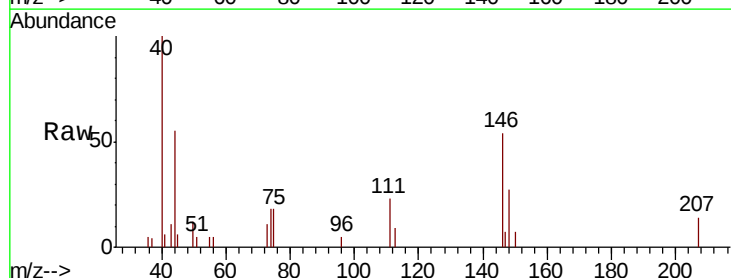
Tgt Ion: 146 Resp: 3101

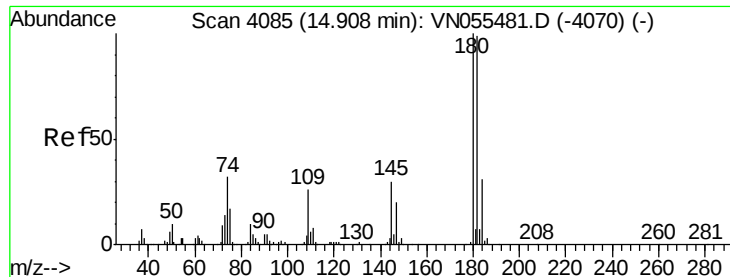
Ion Ratio Lower Upper

146 100

111 45.6 21.3 63.7

148 62.9 31.9 95.9

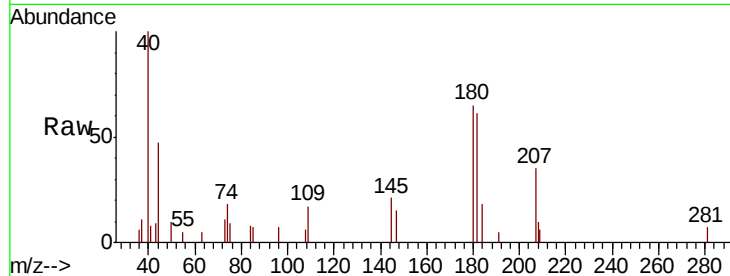




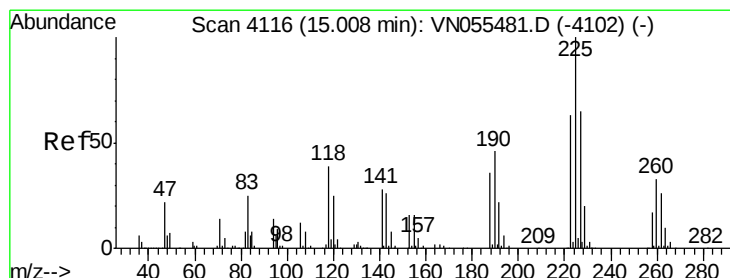
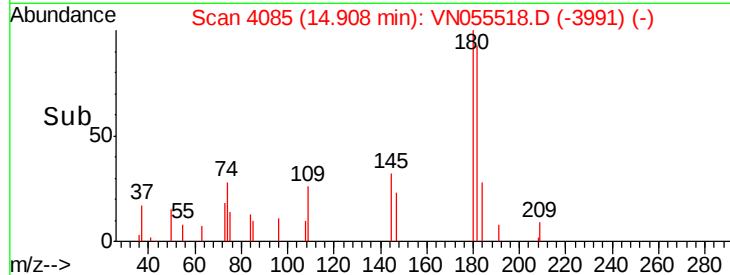
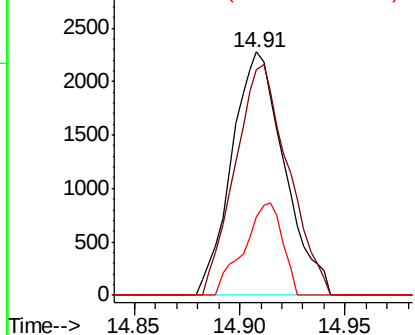
#93
 1,2,4-Trichlorobenzene
 Concen: 3.928 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

Tot Ion:180 Resp: 3947
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.7 146.1
 145 27.7 15.3 45.9

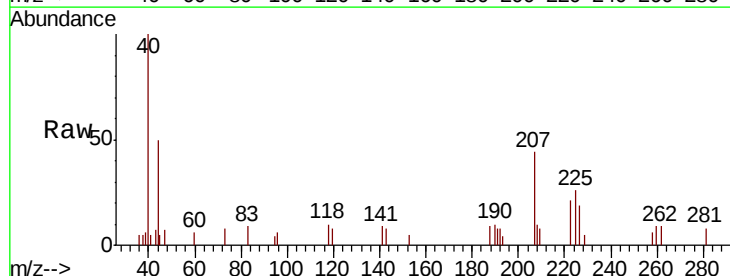


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

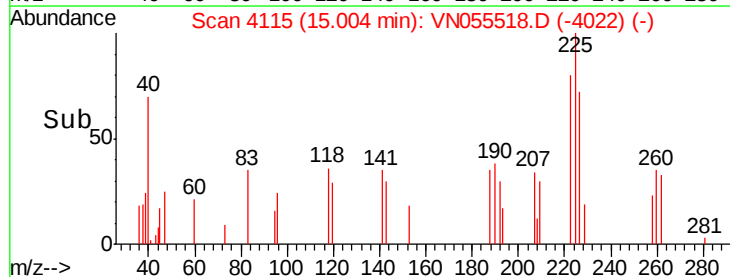
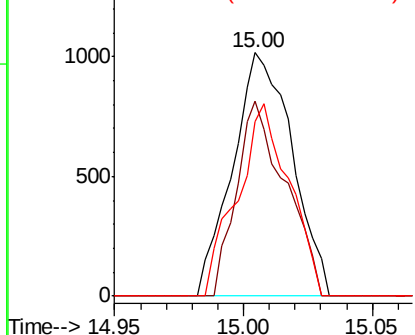


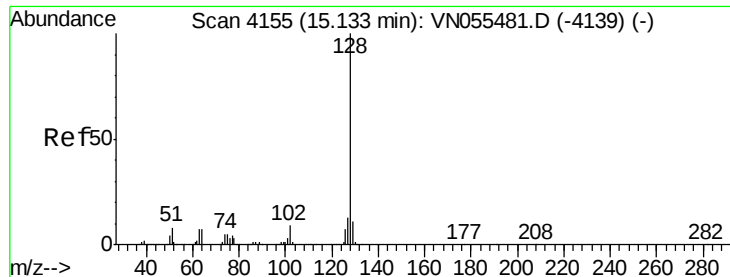
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion:225 Resp: 1638
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.4 94.3
 227 69.0 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: 3.798 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

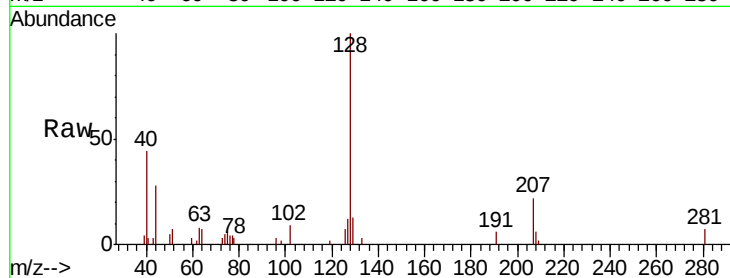
Tot Ion:128 Resp: 13162

Ion Ratio Lower Upper

128 100

127 14.2 10.0 15.0

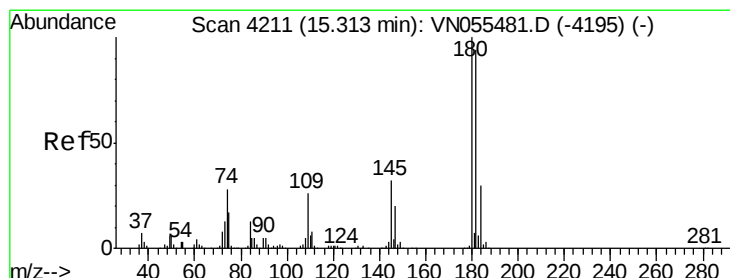
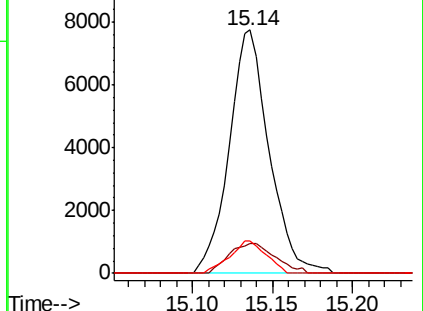
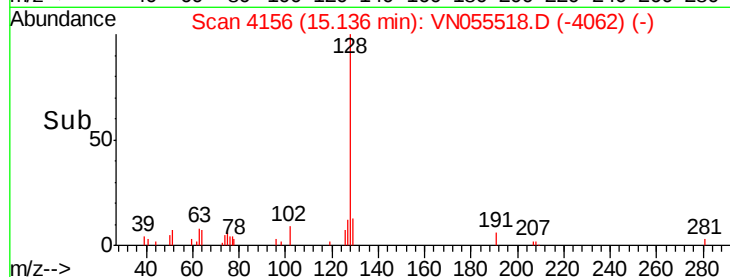
129 12.1 8.8 13.2



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: 3.192 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

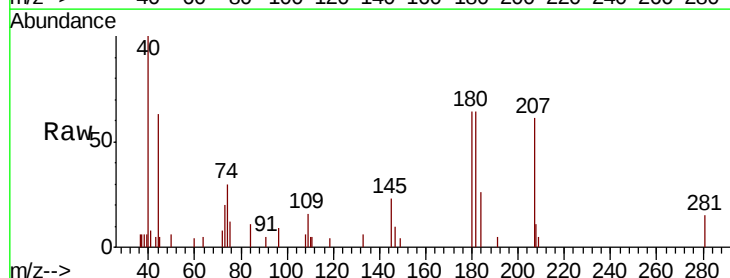
Tgt Ion:180 Resp: 4477

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.3

145 38.0 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

