

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055530.D
 Acq On : 10 May 2019 5:49
 Operator : JC/SP
 Sample : K2758-30
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 06:31:24 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	885415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1491004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1228753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324127	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	605725	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	7.59	113	466332	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.09	98	1776513	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.40	95	504753	39.94	ug/l	0.00
Spiked Amount			Recovery	=	79.88%	

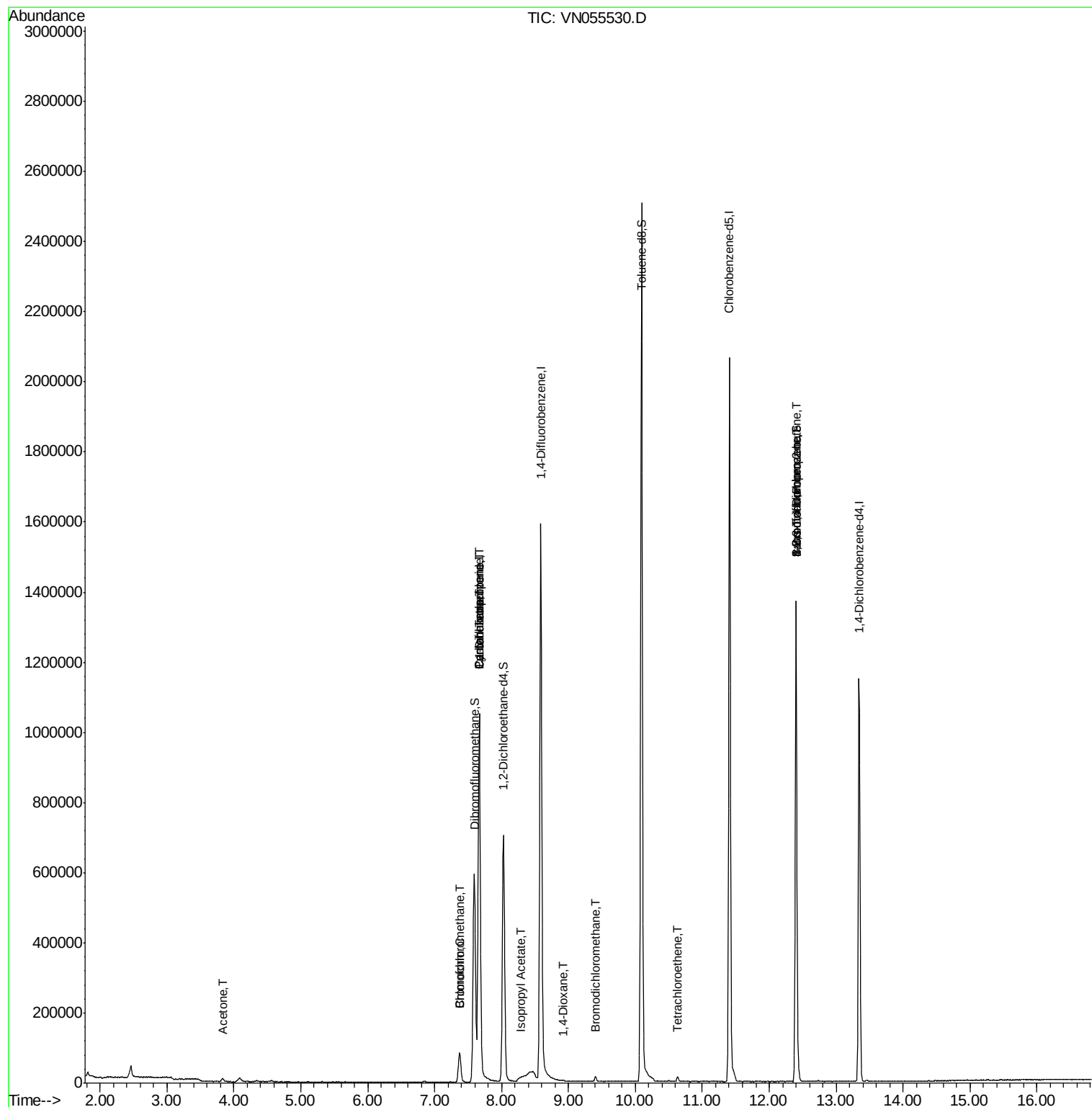
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	6457	1.046	ug/l	95
18) Methyl Acetate	4.33	43	2316	Below Cal	#	56
28) Bromochloromethane	7.38	49	7273	0.644	ug/l #	21
30) Chloroform	7.37	83	91335	4.543	ug/l	96
31) Cyclohexane	7.67	56	18583	0.864	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	71219	4.848	ug/l #	51
38) Carbon Tetrachloride	7.67	117	84256	6.812	ug/l #	16
43) Isopropyl Acetate	8.27	43	11467	0.471	ug/l #	63
47) Bromodichloromethane	9.40	83	9799	0.677	ug/l	99
49) 1,4-Dioxane	8.93	88	112	0.490	ug/l #	32
64) Tetrachloroethene	10.63	164	3329	0.331	ug/l #	87
71) Bromoform	12.40	173	2486	0.423	ug/l #	1
73) Isopropylbenzene	12.40	105	648	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	31	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	247580	28.058	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	247580	103.530	ug/l #	7

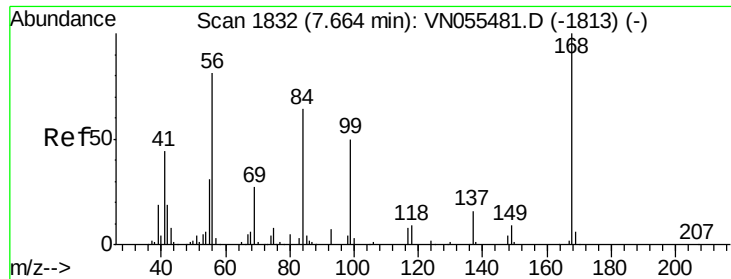
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
Data File : VN055530.D
Acq On : 10 May 2019 5:49
Operator : JC/SP
Sample : K2758-30
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 10 06:31:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
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: VN055530.D

Acq: 10 May 2019 5:49

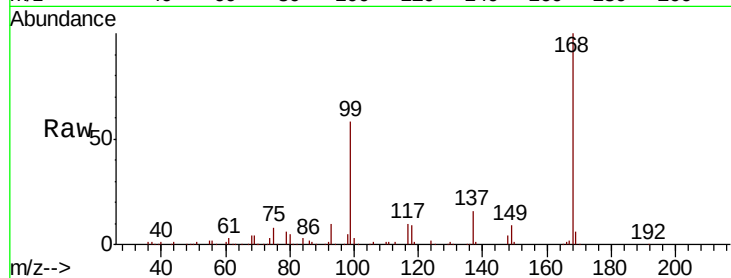
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 885415

Ion Ratio Lower Upper

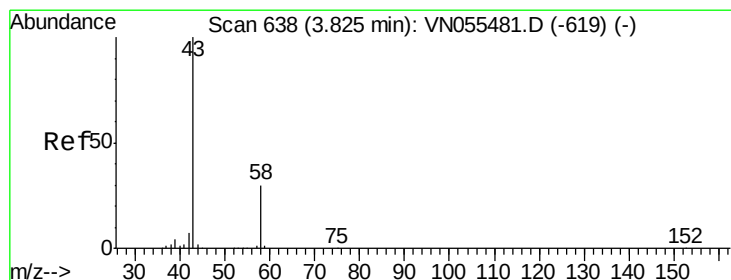
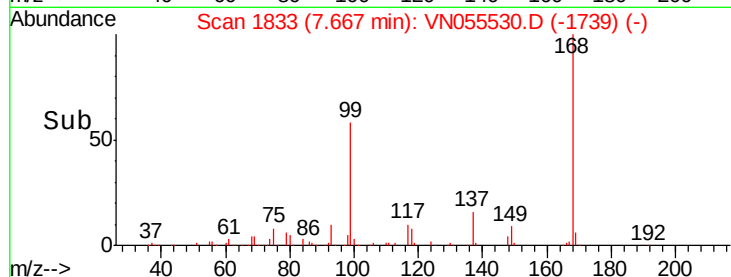
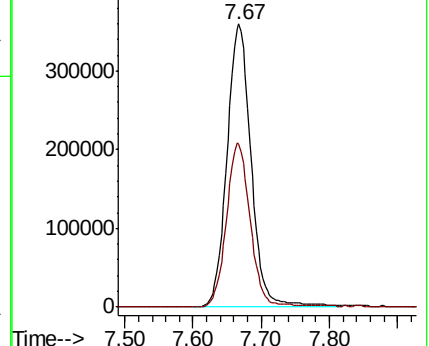
168 100

99 57.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.046 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055530.D

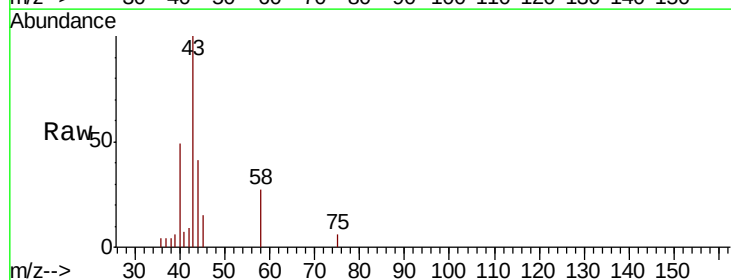
Acq: 10 May 2019 5:49

Tgt Ion: 43 Resp: 6457

Ion Ratio Lower Upper

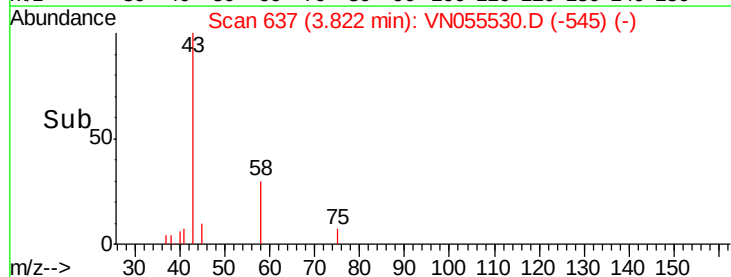
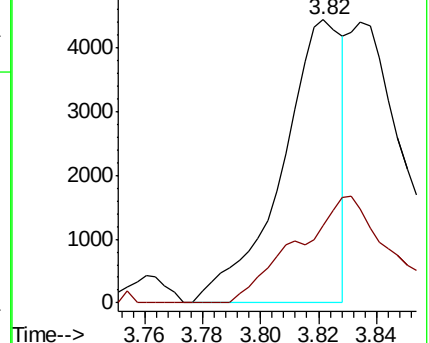
43 100

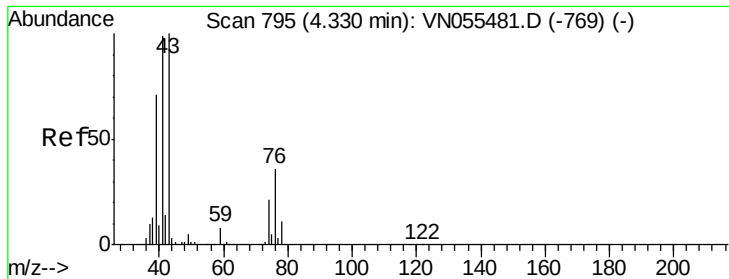
58 27.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

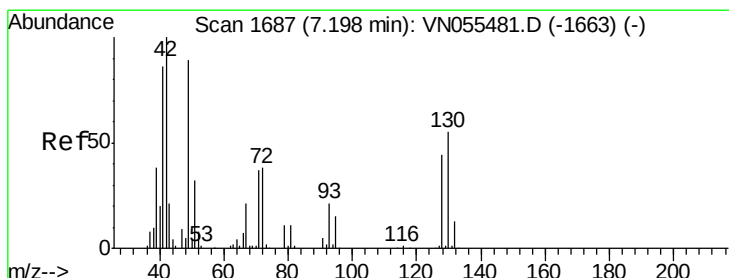
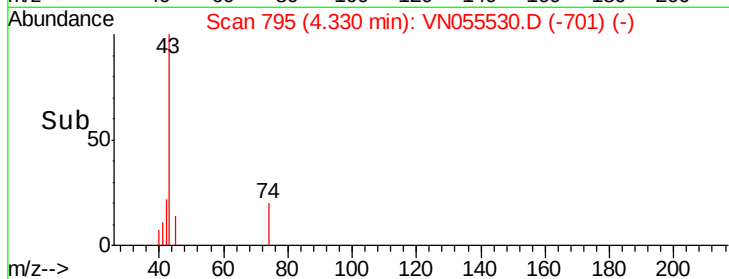
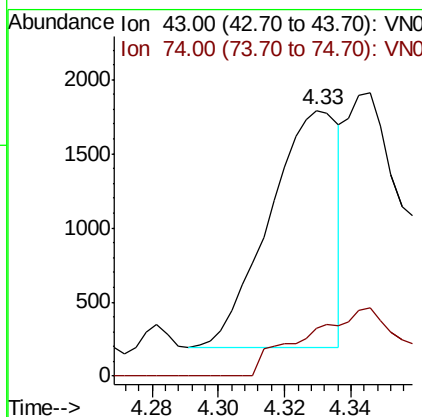
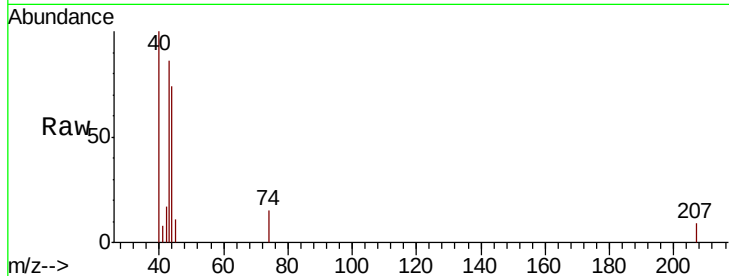




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

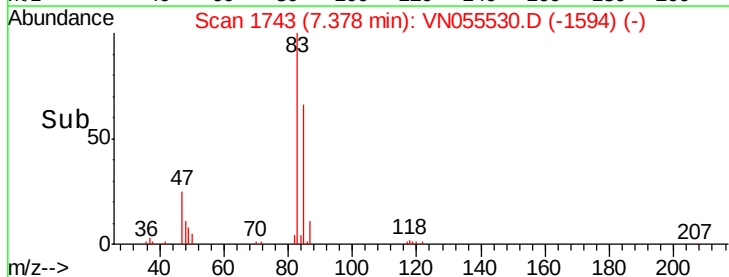
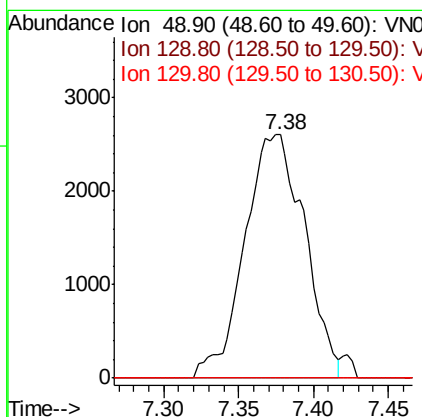
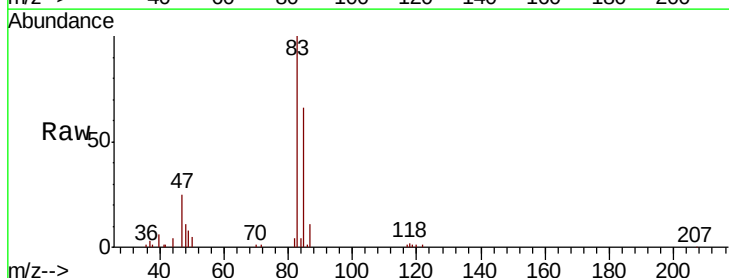
Instrument :
MSVOA_N
ClientSampleId :

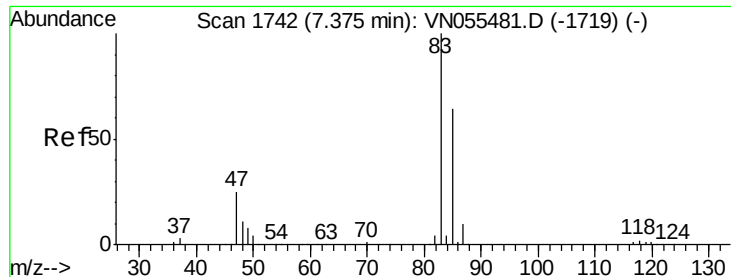
Tot Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
74 40.7 16.3 24.5#



#28
Bromochloromethane
Concen: 0.644 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.18 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

Tgt Ion: 49 Resp: 7273
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 49.5 74.3#

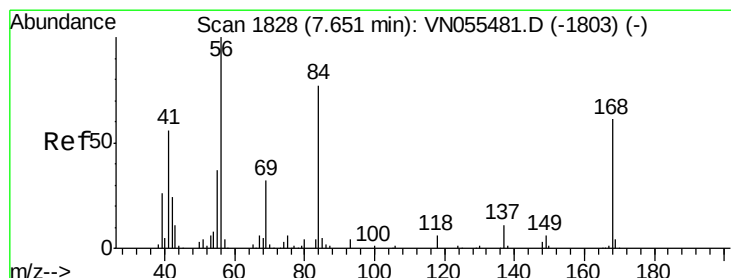
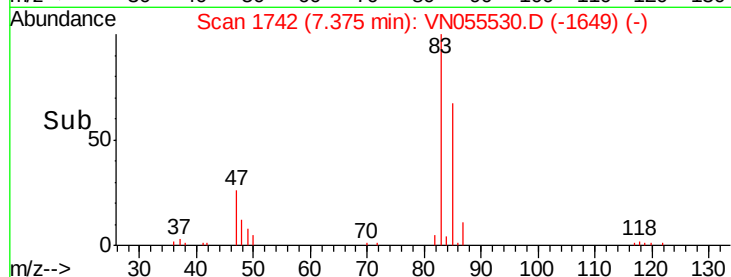
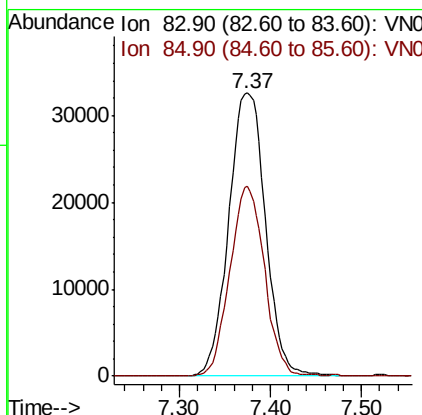
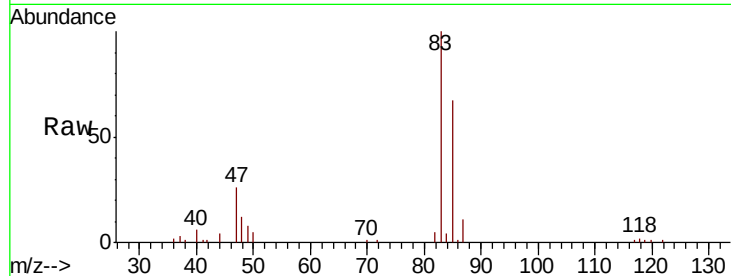




#30
Chloroform
Concen: 4.543 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

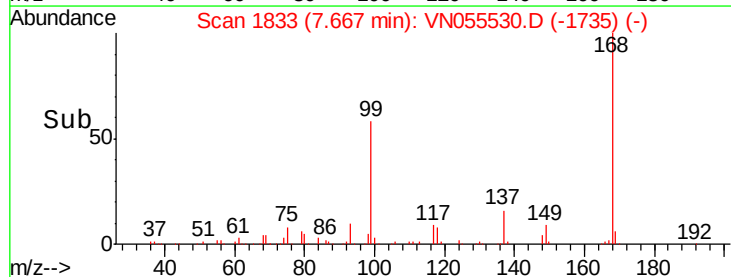
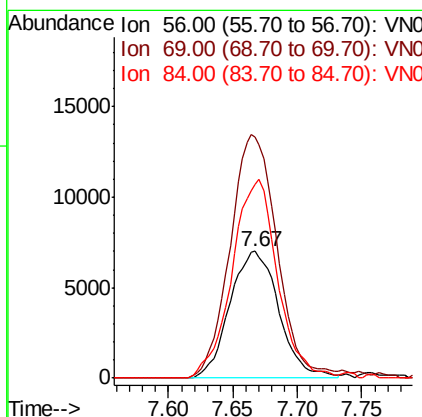
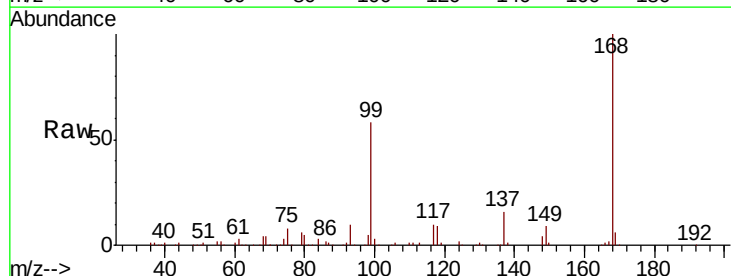
Instrument :
MSVOA_N
ClientSampleId :

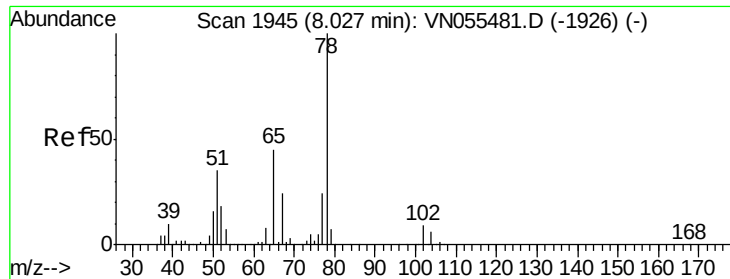
Tot Ion: 83 Resp: 91335
Ion Ratio Lower Upper
83 100
85 67.3 51.3 76.9



#31
Cyclohexane
Concen: 0.864 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

Tgt Ion: 56 Resp: 18583
Ion Ratio Lower Upper
56 100
69 189.6 26.0 39.0#
84 152.8 61.9 92.9#

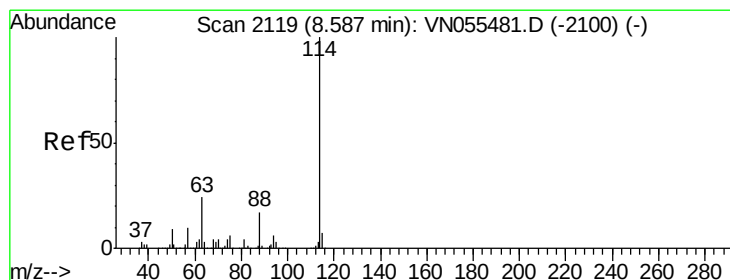
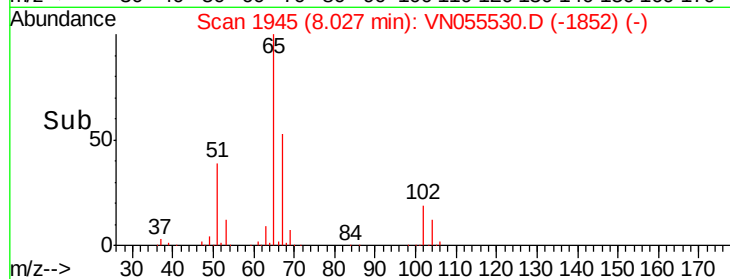
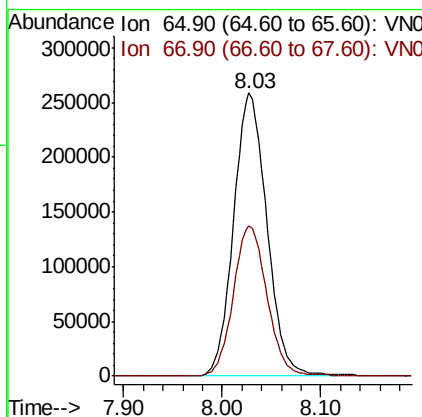
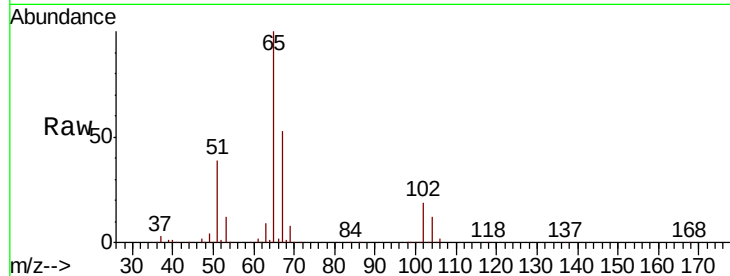




#33
 1,2-Dichloroethane-d4
 Concen: 45.436 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055530.D
 Acq: 10 May 2019 5:49

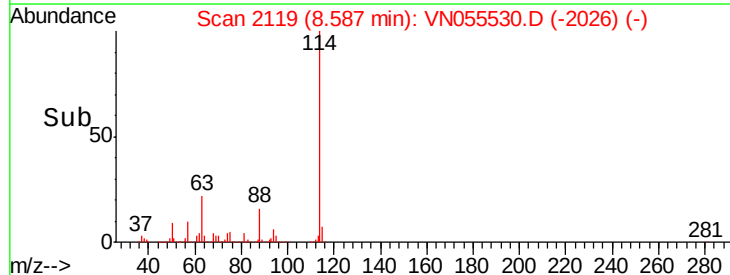
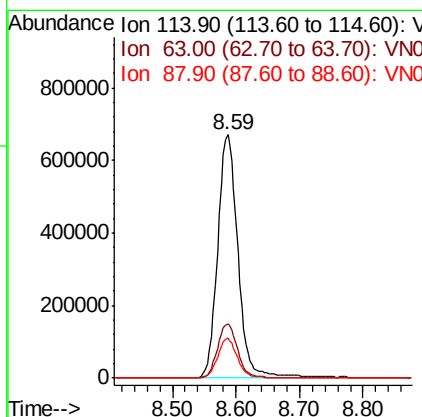
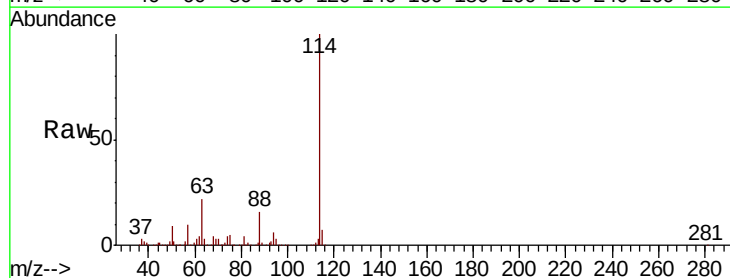
Instrument :
 MSVOA_N
 ClientSampled :

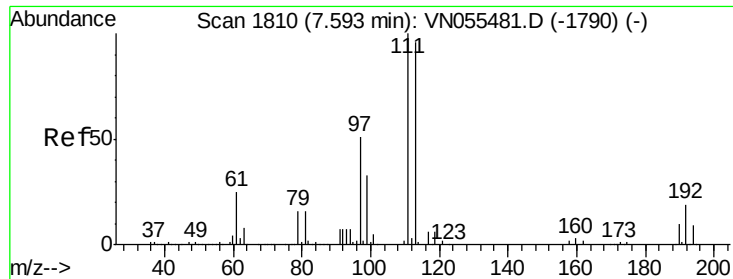
Tot Ion: 65 Resp: 605725
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055530.D
 Acq: 10 May 2019 5:49

Tgt Ion: 114 Resp: 1491004
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.3 0.0 34.0

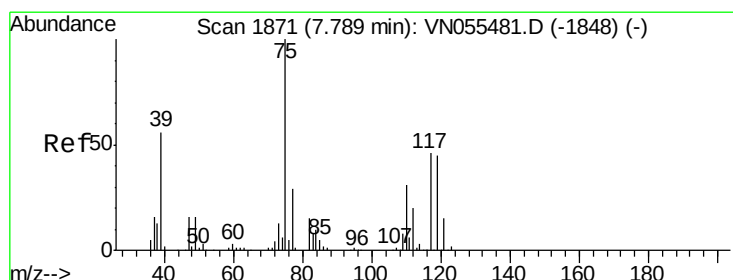
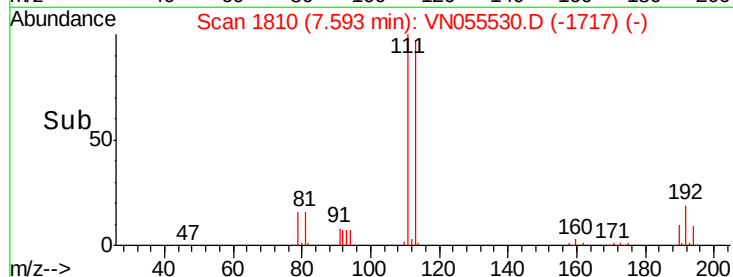
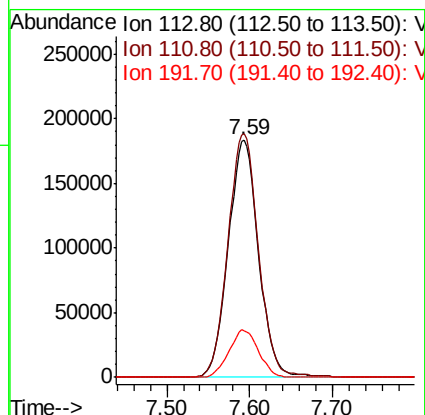
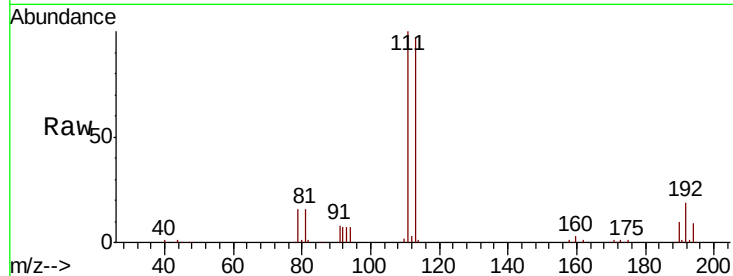




#35
 Dibromofluoromethane
 Concen: 48.485 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055530.D
 Acq: 10 May 2019 5:49

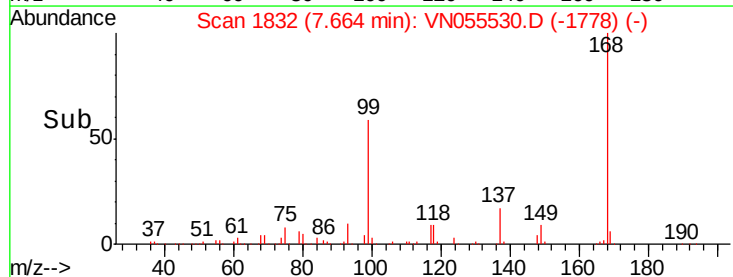
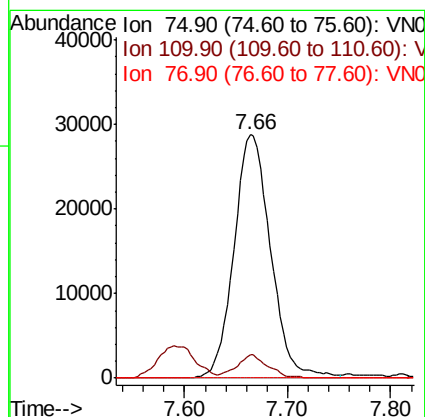
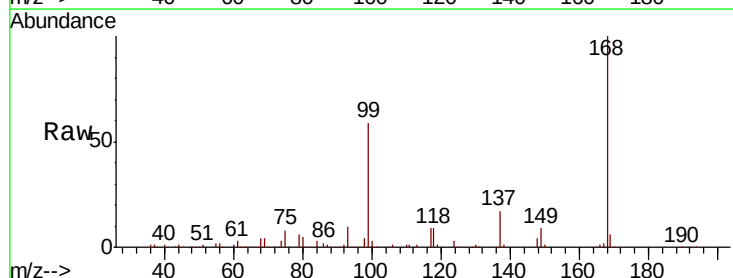
Instrument :
 MSVOA_N
 ClientSampled :

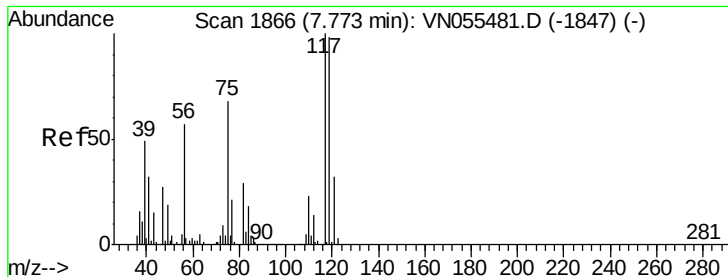
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	19.7	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.848 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055530.D
 Acq: 10 May 2019 5:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.812 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

ClientSampleId :

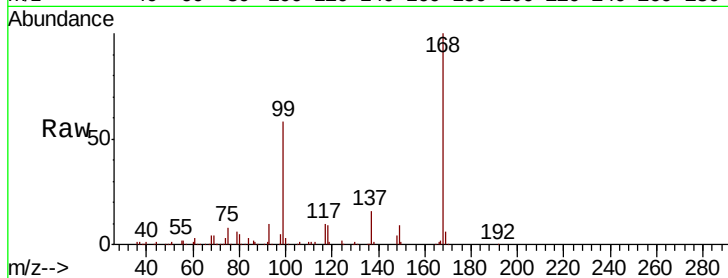
Tot Ion:117 Resp: 84256

Ion Ratio Lower Upper

117 100

119 6.5 77.8 116.6#

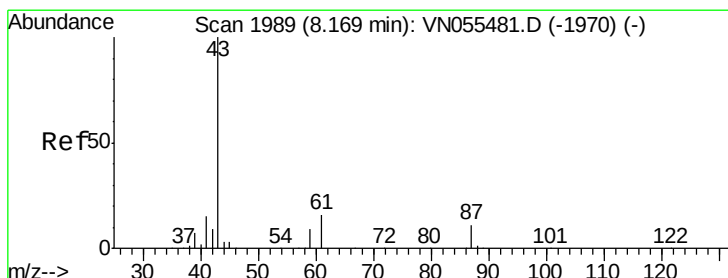
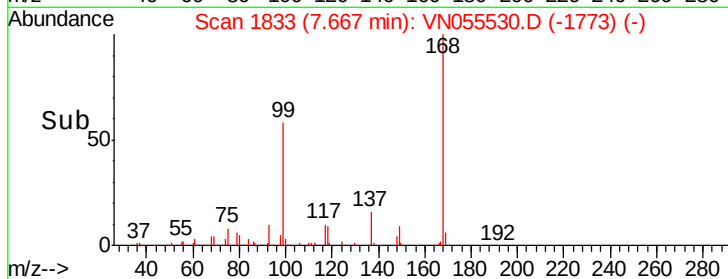
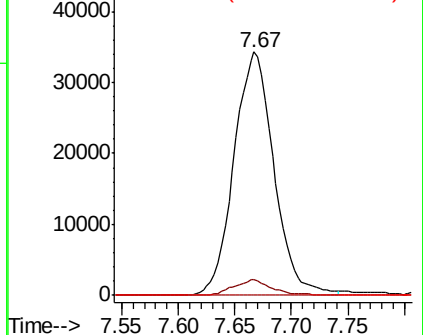
121 0.0 25.2 37.8#



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: 0.471 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

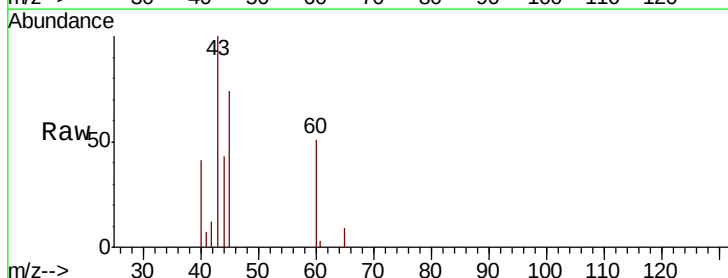
Tgt Ion: 43 Resp: 11467

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

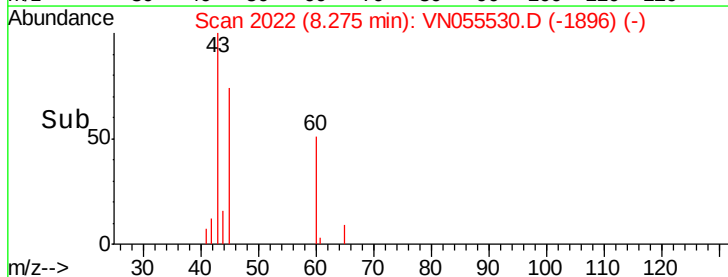
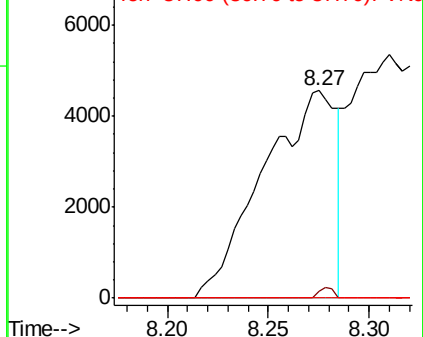
87 0.0 9.0 13.6#

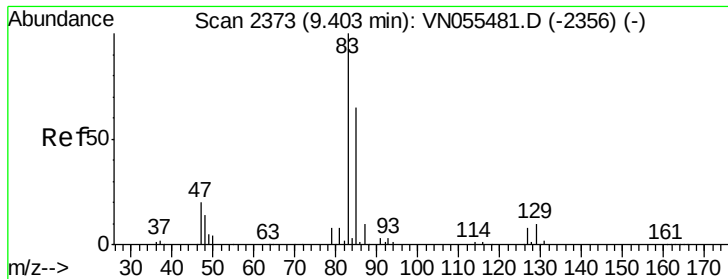


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.677 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

ClientSampleId :

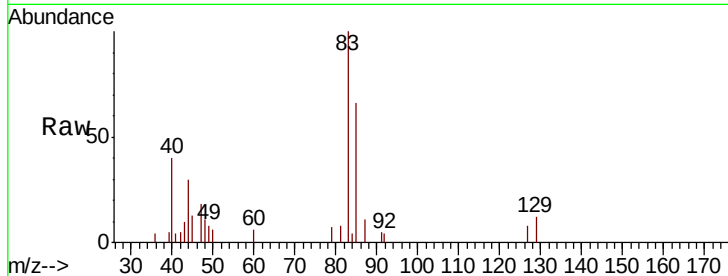
Tot Ion: 83 Resp: 9799

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

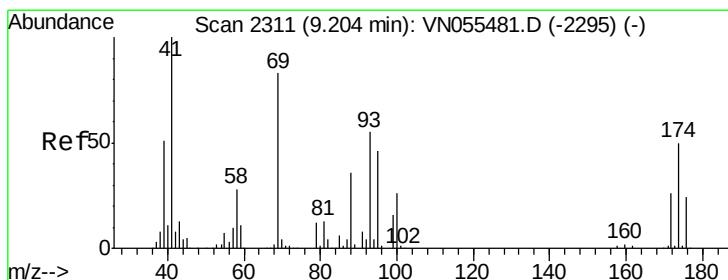
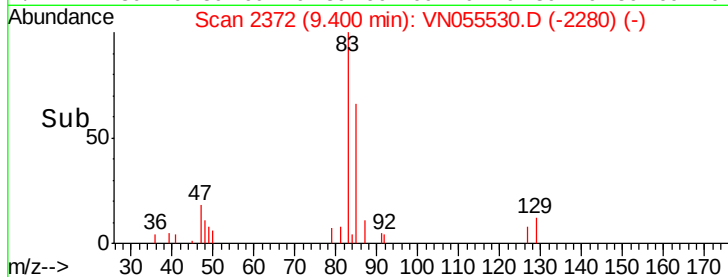
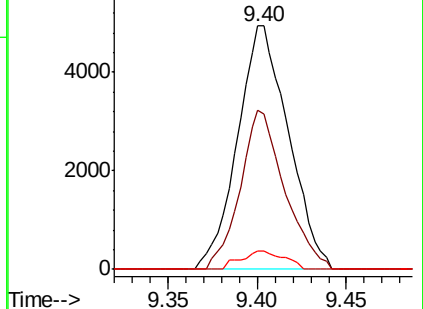
127 7.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055530.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055530.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055530.D (-2280) (-)



#49

1,4-Dioxane

Concen: 0.490 ug/l

RT: 8.93 min Scan# 2226

Delta R.T. -0.27 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

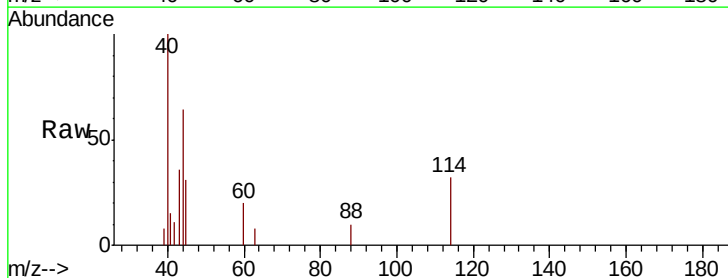
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 46.4 27.8 41.8#

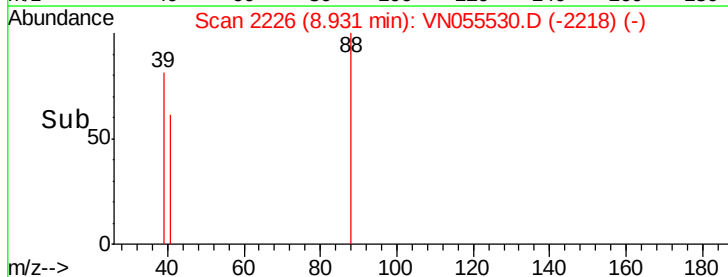
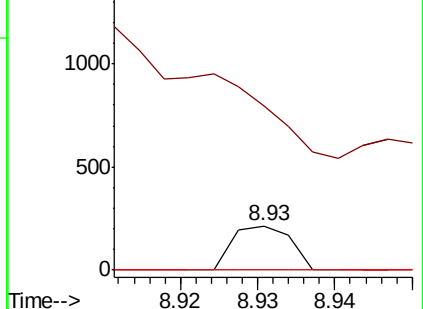
58 0.0 61.8 92.6#

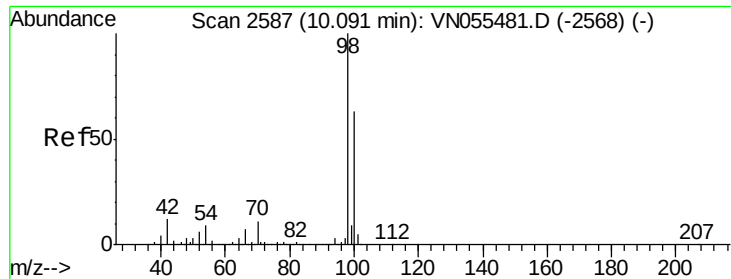


Abundance Ion 88.00 (87.70 to 88.70): VN055530.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055530.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055530.D (-2218) (-)





#50

Toluene-d8

Concen: 47.398 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

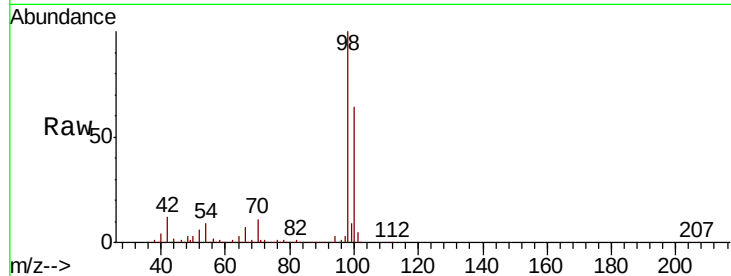
ClientSampled :

Tot Ion: 98 Resp: 1776513

Ion Ratio Lower Upper

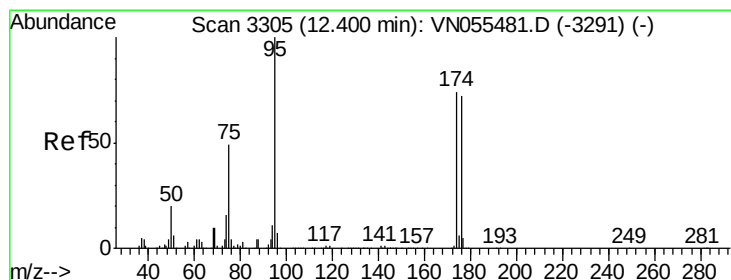
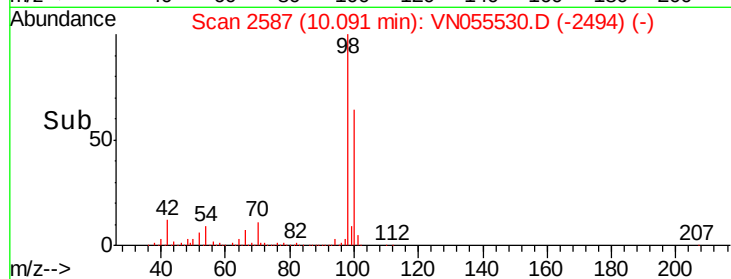
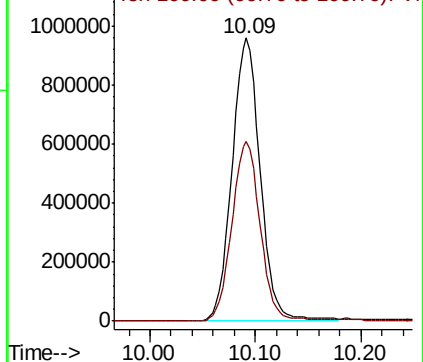
98 100

100 63.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 39.939 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

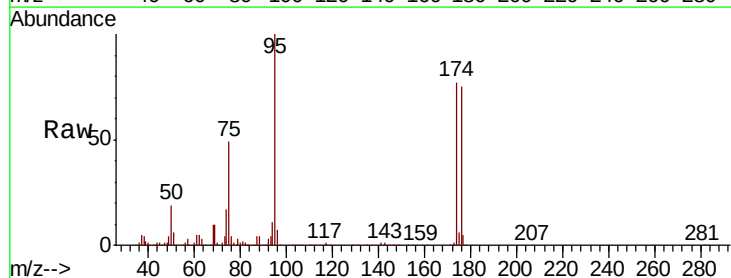
Tgt Ion: 95 Resp: 504753

Ion Ratio Lower Upper

95 100

174 78.7 0.0 152.2

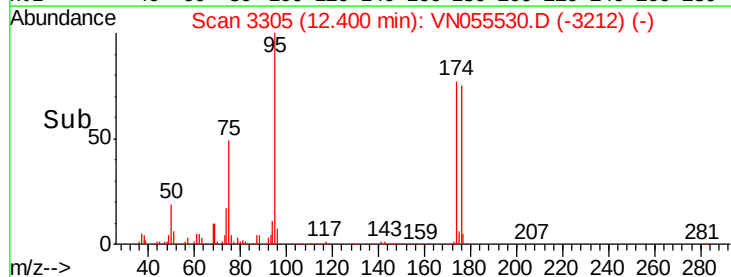
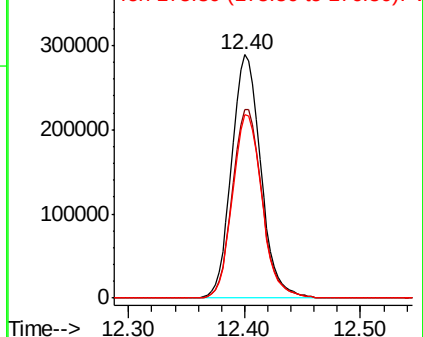
176 76.1 0.0 147.8

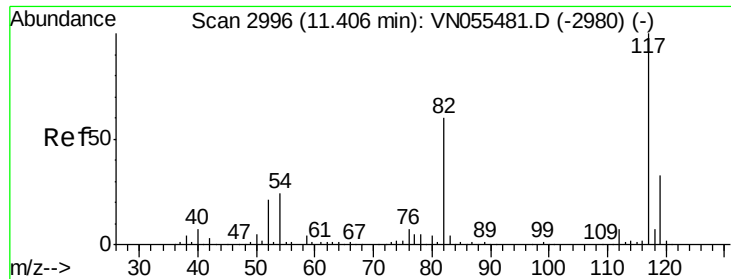


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

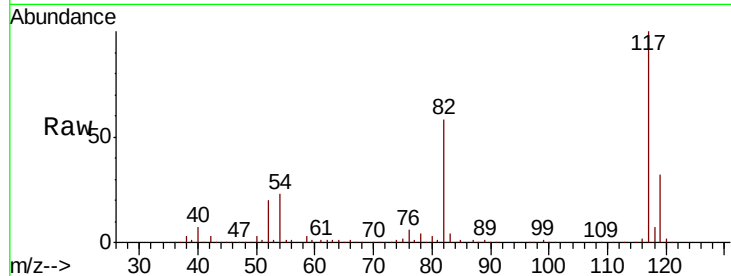




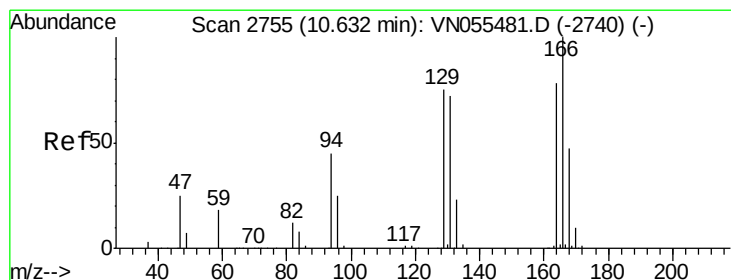
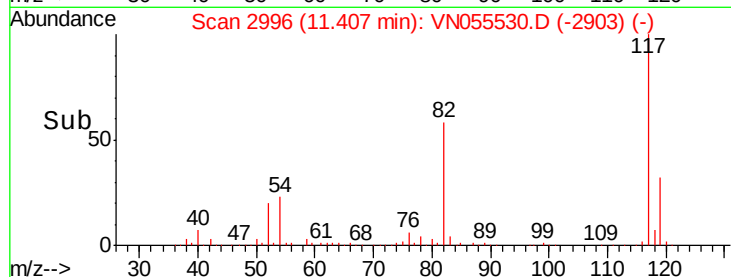
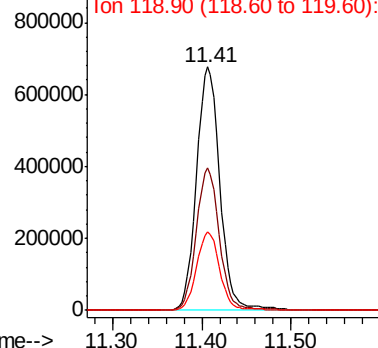
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1228753
Ion Ratio Lower Upper
117 100
82 58.4 48.0 72.0
119 32.0 26.0 39.0

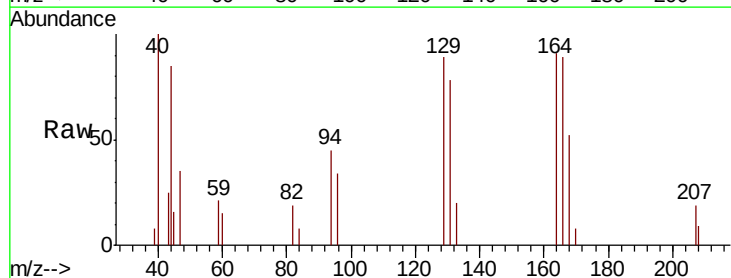


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

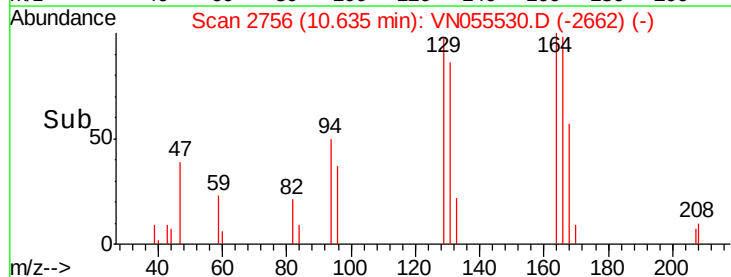
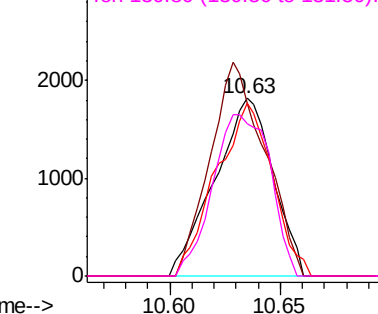


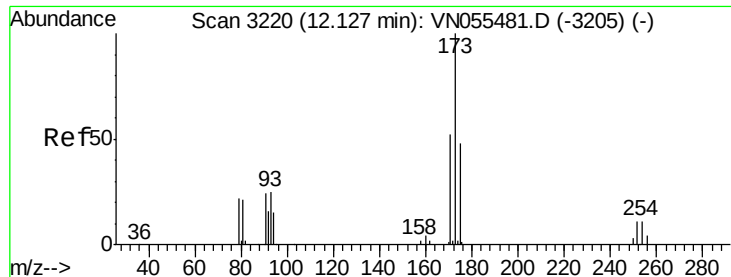
#64
Tetrachloroethene
Concen: 0.331 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN055530.D
Acq: 10 May 2019 5:49

Tgt Ion:164 Resp: 3329
Ion Ratio Lower Upper
164 100
166 97.7 102.6 153.8#
129 97.7 77.0 115.6
131 86.0 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: 0.423 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

ClientSampleId :

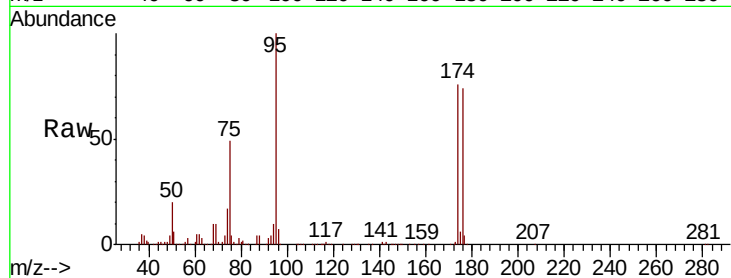
Tot Ion:173 Resp: 2486

Ion Ratio Lower Upper

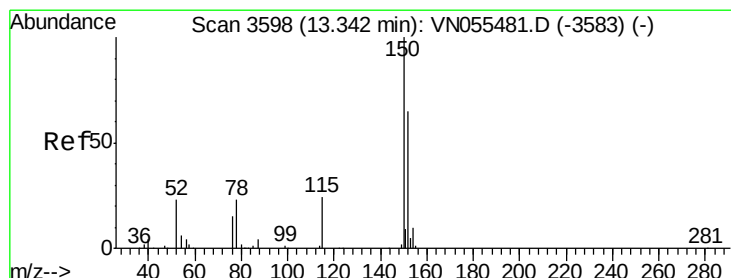
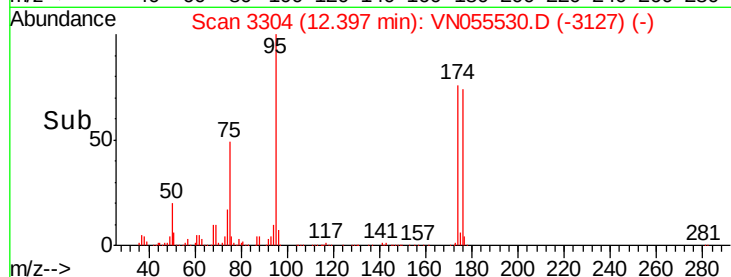
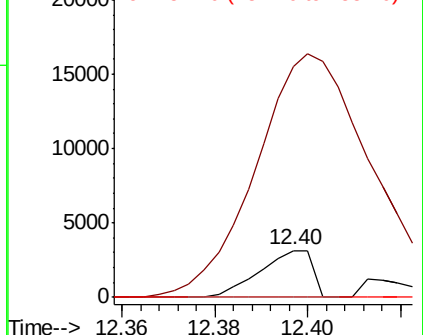
173 100

175 971.6 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

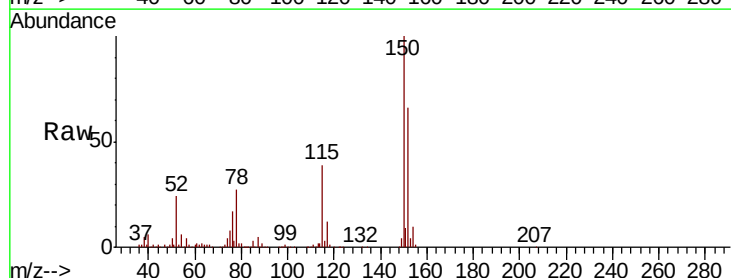
Tgt Ion:152 Resp: 324127

Ion Ratio Lower Upper

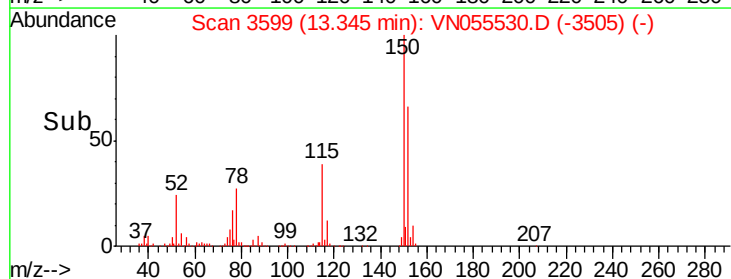
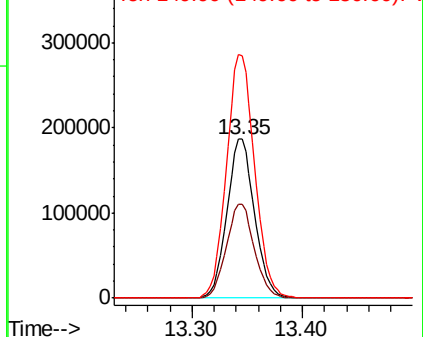
152 100

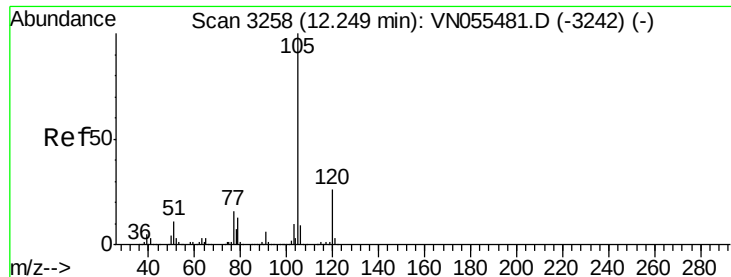
115 59.7 30.1 90.5

150 155.8 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: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

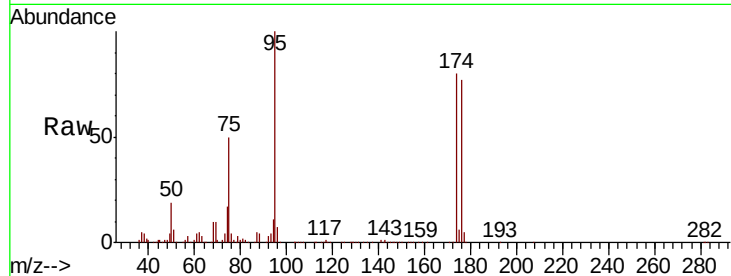
ClientSampled :

Tot Ion: 105 Resp: 648

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

12.40

400

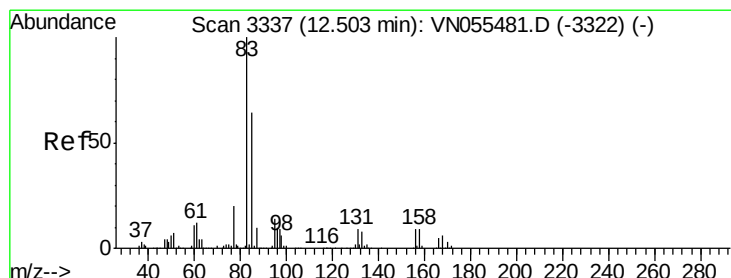
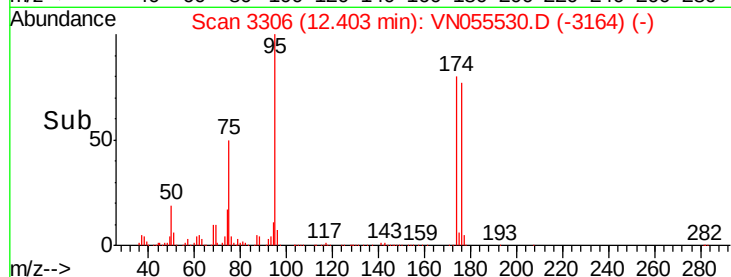
300

200

100

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3309

Delta R.T. -0.09 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

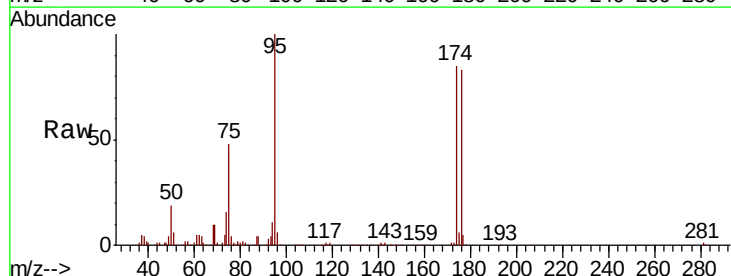
Tgt Ion: 83 Resp: 31

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): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

600

500

400

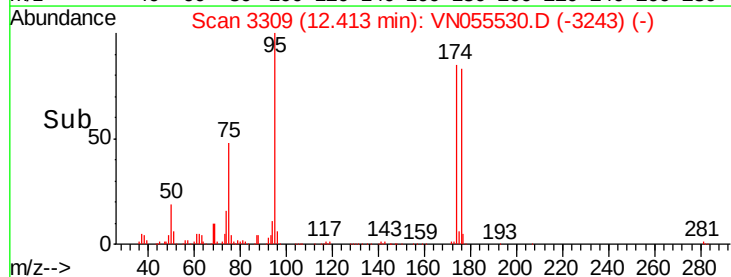
300

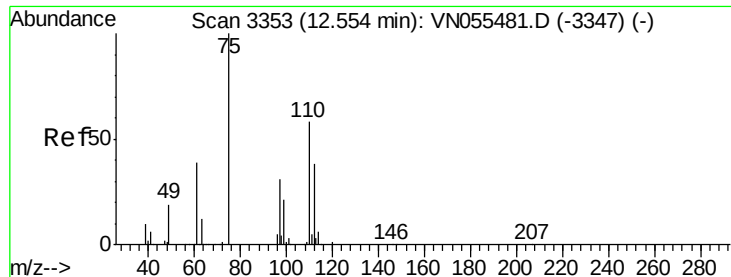
200

100

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 28.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

Instrument :

MSVOA_N

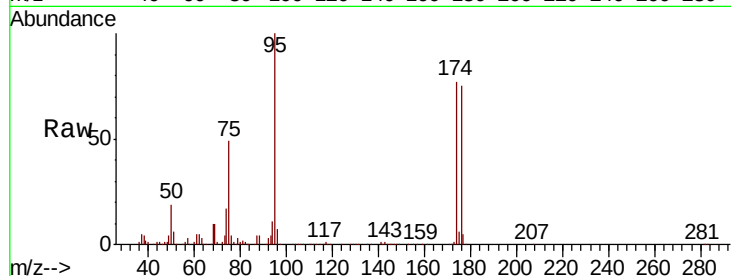
ClientSampleId :

Tot Ion: 75 Resp: 247580

Ion Ratio Lower Upper

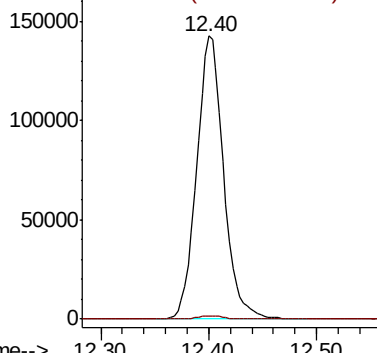
75 100

77 1.2 0.0 0.0#

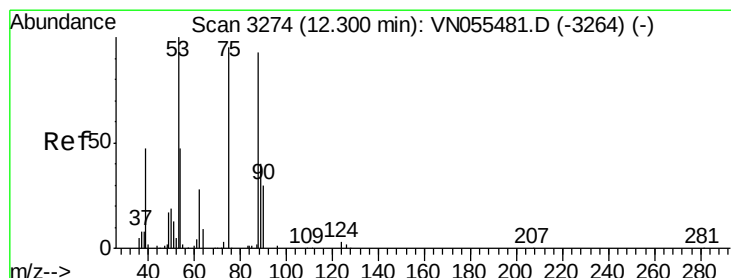
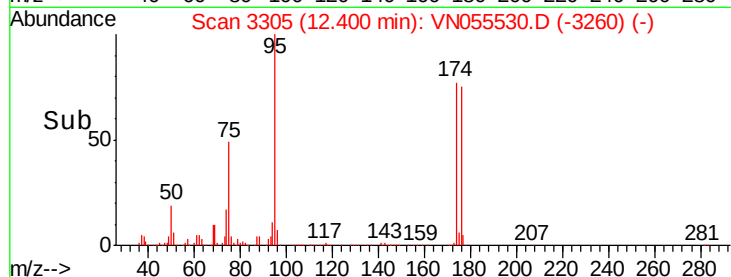


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 103.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055530.D

Acq: 10 May 2019 5:49

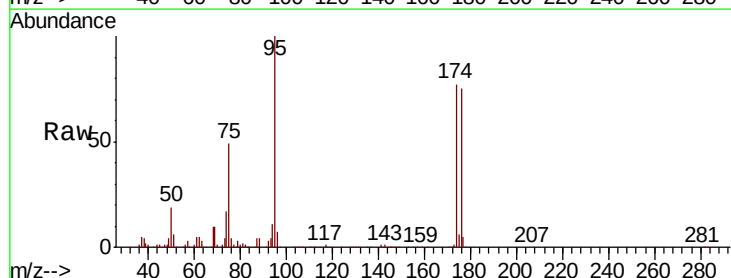
Tgt Ion: 75 Resp: 247580

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

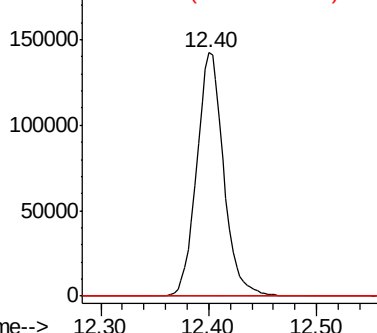
89 0.0 35.7 53.5#



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



Time--> 12.30 12.40 12.50

