

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055529.D
 Acq On : 10 May 2019 5:24
 Operator : JC/SP
 Sample : K2758-29
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 06:02:11 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

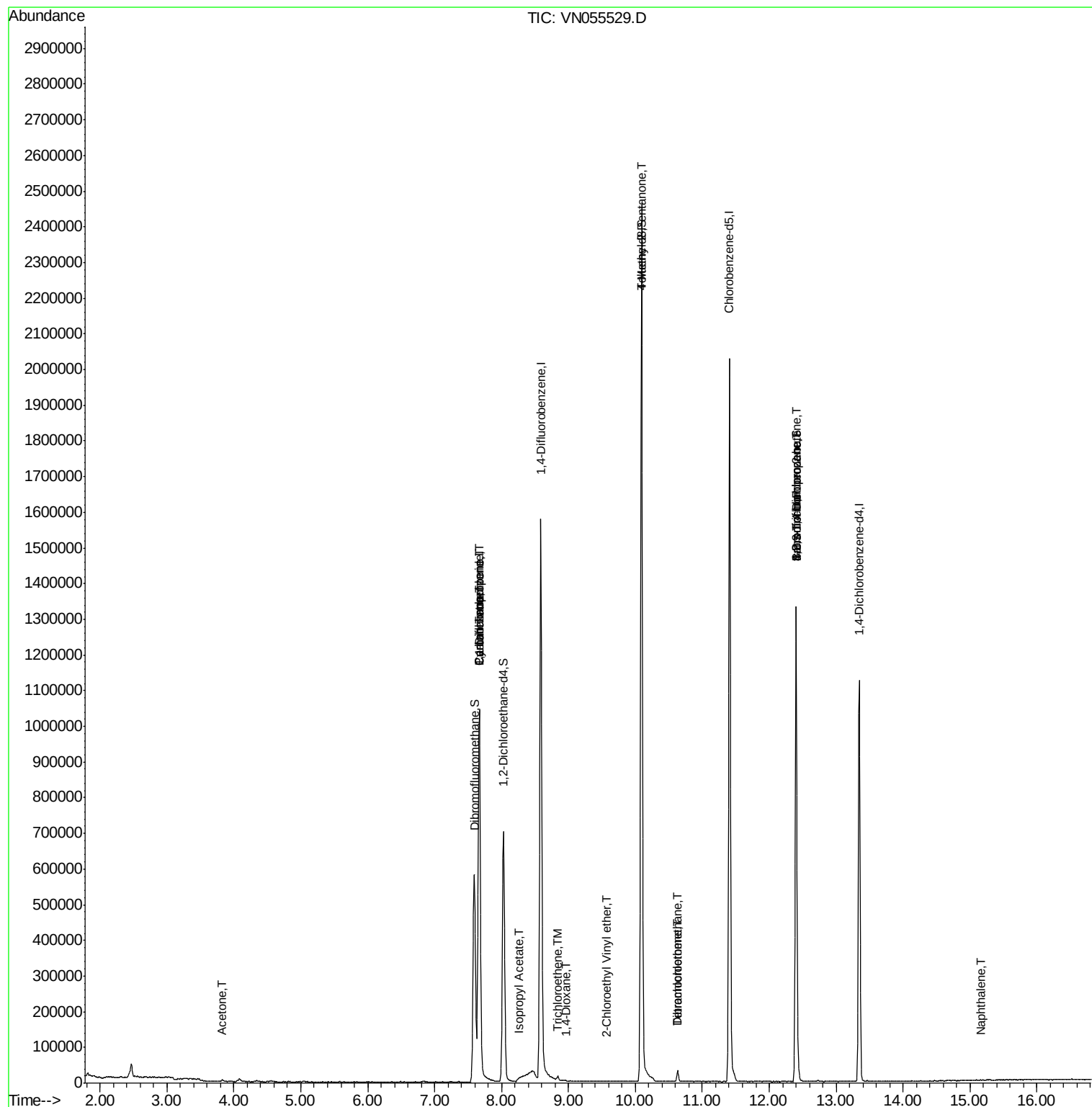
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	871755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1466197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1212033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316756	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	595288	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	7.59	113	457768	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.09	98	1791643	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	499546	40.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.40%	
Target Compounds				Qvalue		
16) Acetone	3.82	43	7491	1.233	ug/l	99
18) Methyl Acetate	4.33	43	7112	Below Cal	#	66
31) Cyclohexane	7.67	56	18420	0.870	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	70068	4.851	ug/l #	46
38) Carbon Tetrachloride	7.67	117	83018	6.825	ug/l #	15
43) Isopropyl Acetate	8.25	43	4883	0.204	ug/l #	63
44) Trichloroethene	8.83	130	3393	0.318	ug/l	89
49) 1,4-Dioxane	8.96	88	72	0.320	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	7809	0.496	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.57	63	61	12.523	ug/l #	52
60) Dibromochloromethane	10.63	129	6315	0.669	ug/l #	11
64) Tetrachloroethene	10.63	164	6890	0.694	ug/l #	93
71) Bromoform	12.40	173	2783	0.480	ug/l #	1
73) Isopropylbenzene	12.25	105	64	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	232	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	247971	28.756	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	247971	106.107	ug/l #	7
95) Naphthalene	15.15	128	32	2.939	ug/l #	70

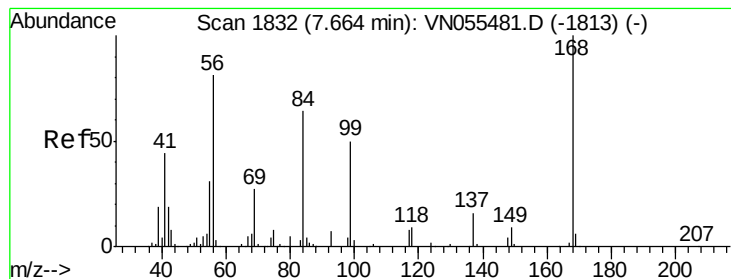
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 04:17:44 2019
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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: VN055529.D

Acq: 10 May 2019 5:24

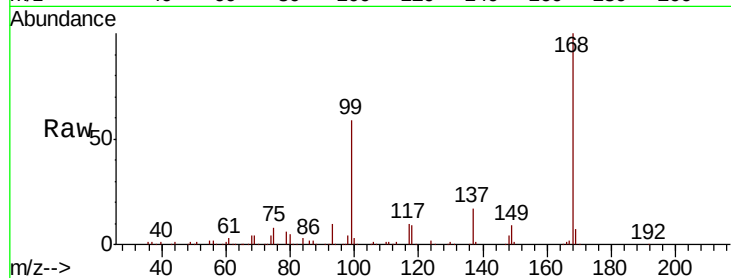
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 871755

Ion Ratio Lower Upper

168 100

99 59.0 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

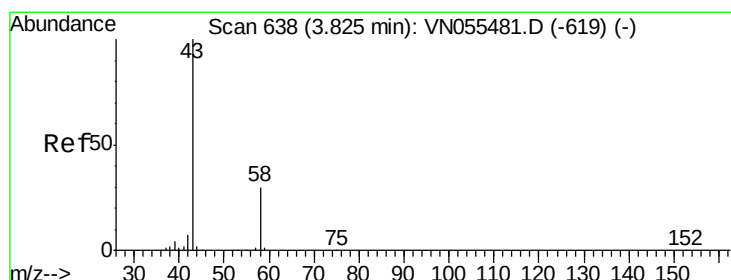
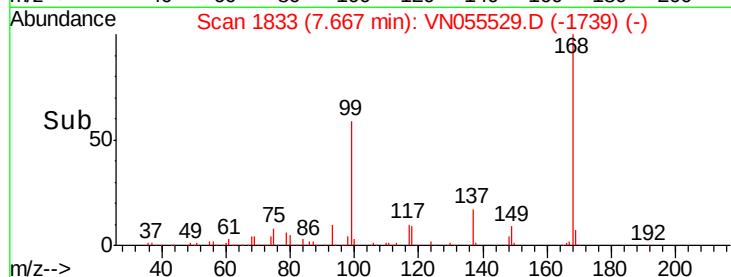
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.233 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055529.D

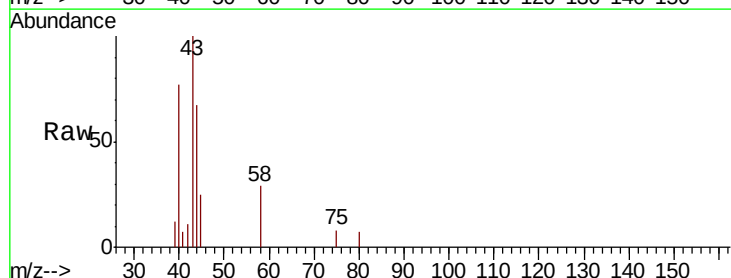
Acq: 10 May 2019 5:24

Tgt Ion: 43 Resp: 7491

Ion Ratio Lower Upper

43 100

58 31.0 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

3000

2500

2000

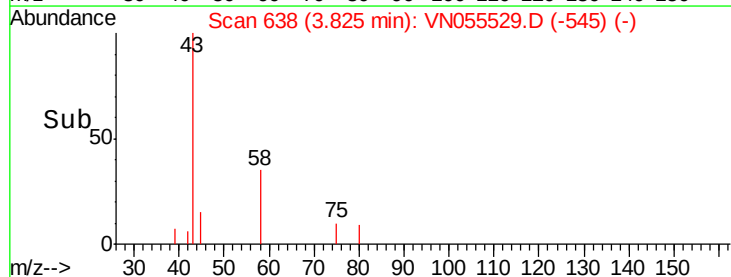
1500

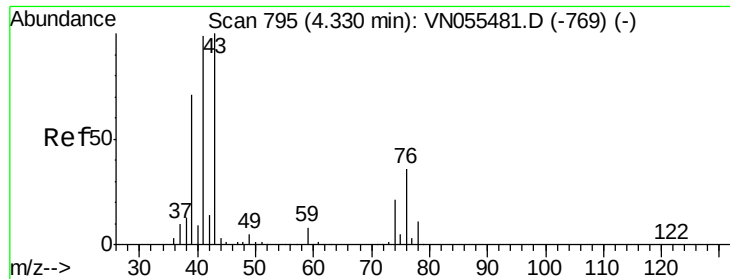
1000

500

0

Time-->

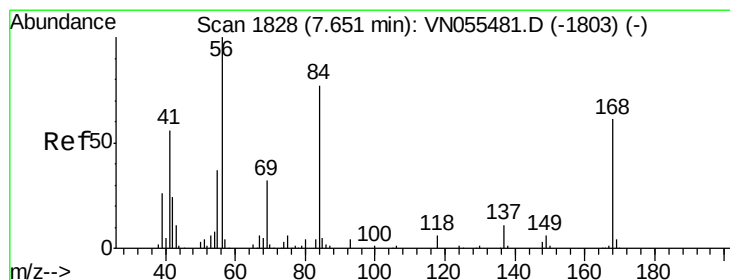
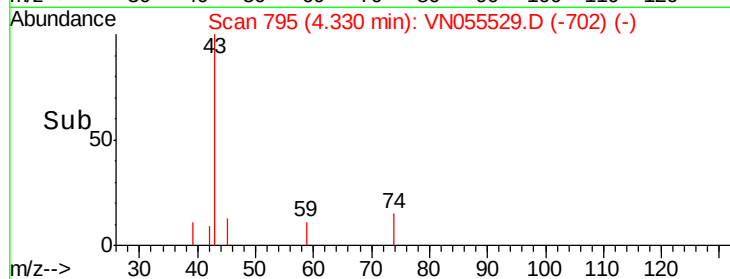
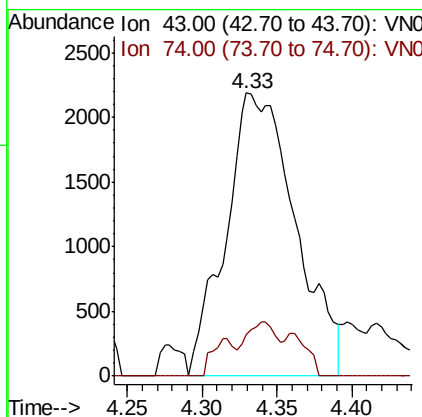
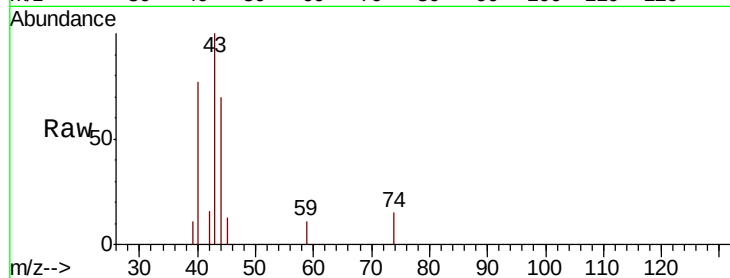




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055529.D
Acq: 10 May 2019 5:24

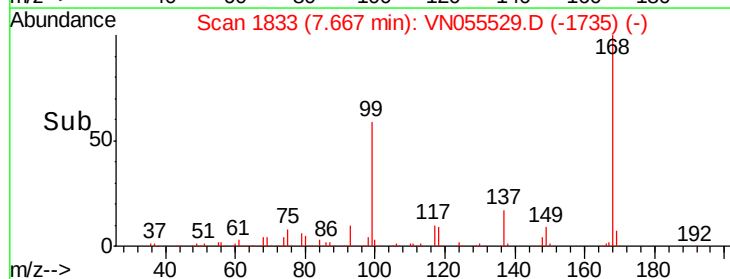
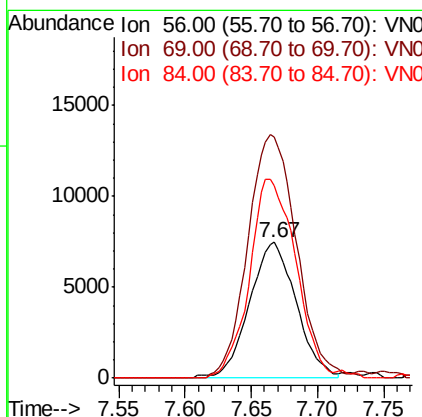
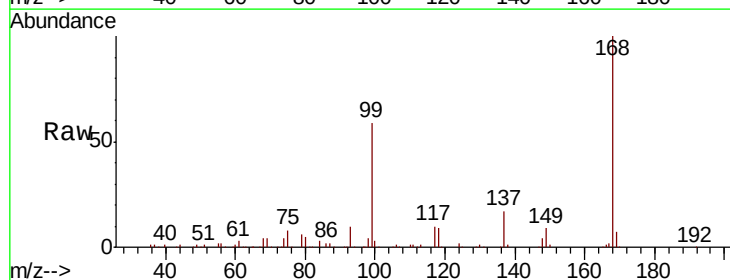
Instrument :
MSVOA_N
ClientSampled :

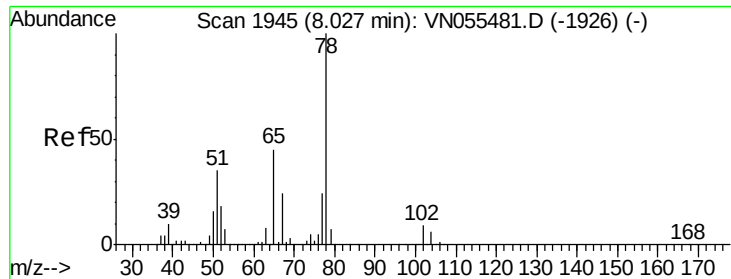
Tot Ion: 43 Resp: 7112
Ion Ratio Lower Upper
43 100
74 4.6 16.3 24.5#



#31
Cyclohexane
Concen: 0.870 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055529.D
Acq: 10 May 2019 5:24

Tgt Ion: 56 Resp: 18420
Ion Ratio Lower Upper
56 100
69 177.4 26.0 39.0#
84 141.5 61.9 92.9#

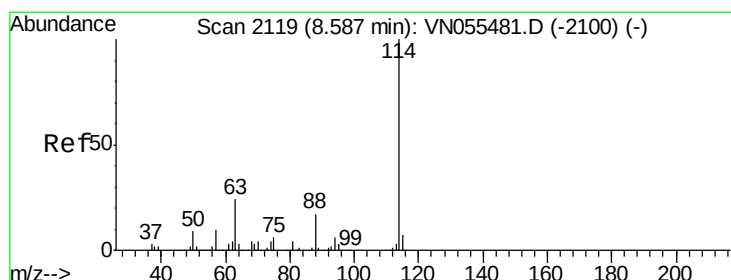
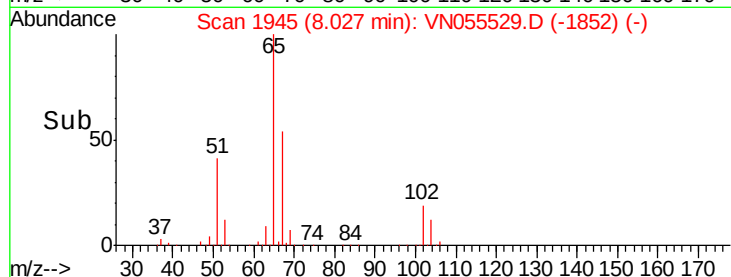
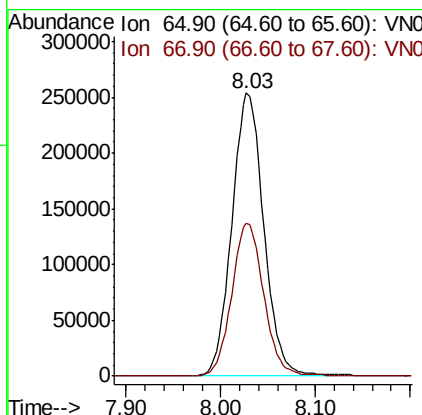
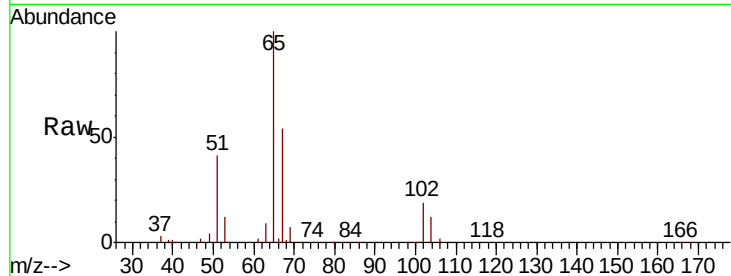




#33
 1,2-Dichloroethane-d4
 Concen: 45.353 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

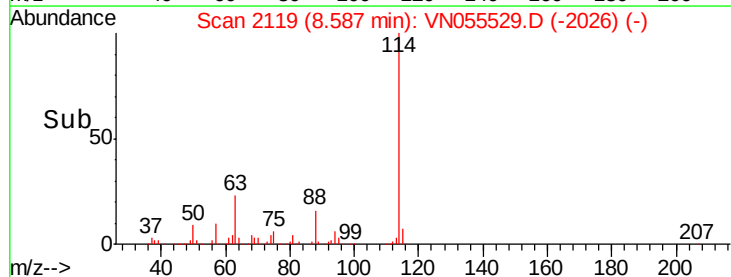
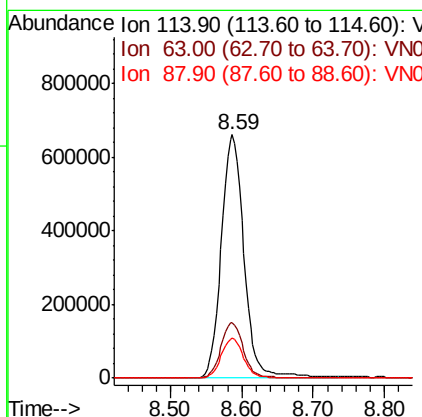
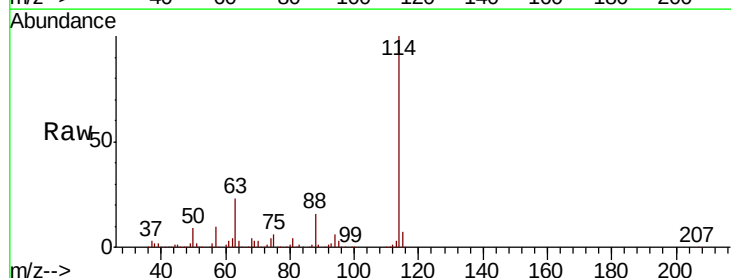
Instrument :
 MSVOA_N
 ClientSampled :

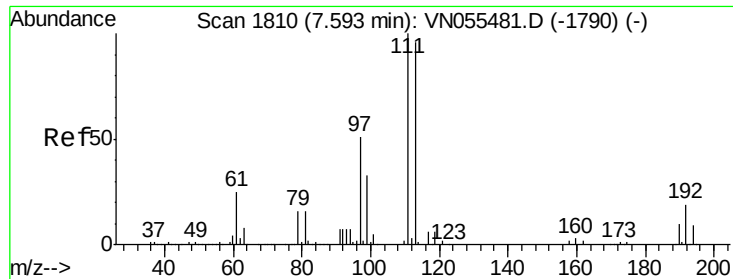
Tot Ion: 65 Resp: 595288
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

Tgt Ion: 114 Resp: 1466197
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 16.4 0.0 34.0

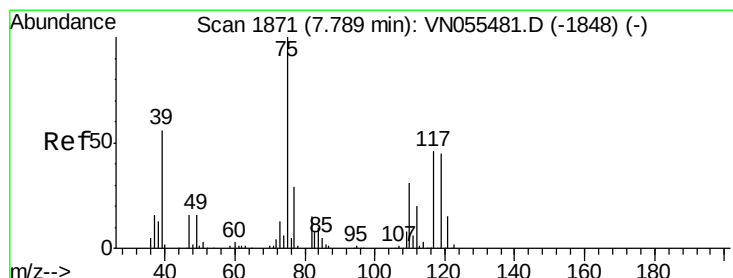
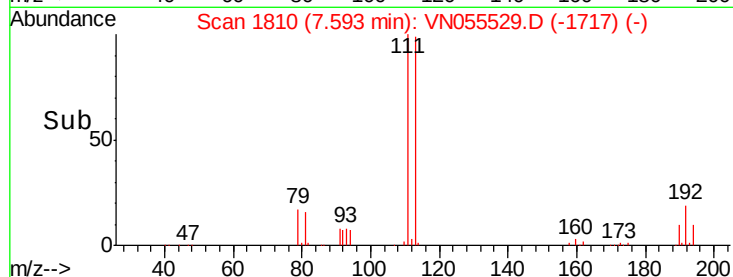
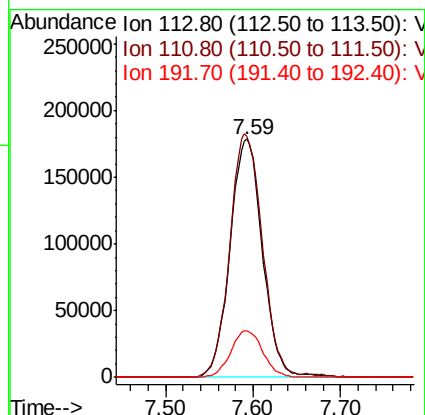
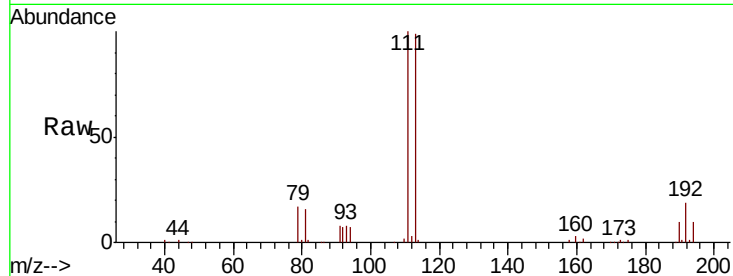




#35
 Dibromofluoromethane
 Concen: 48.399 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

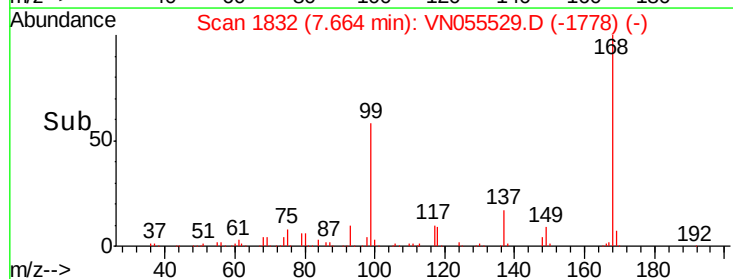
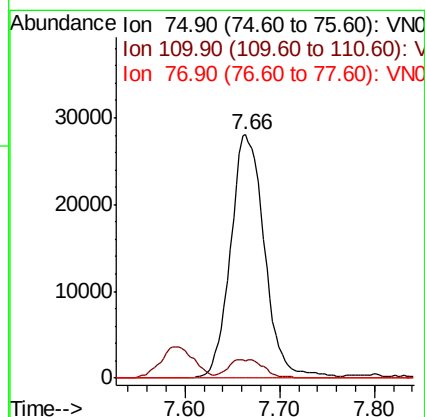
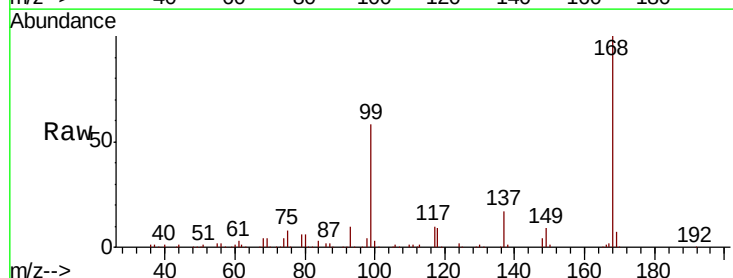
Instrument :
 MSVOA_N
 ClientSampleId :

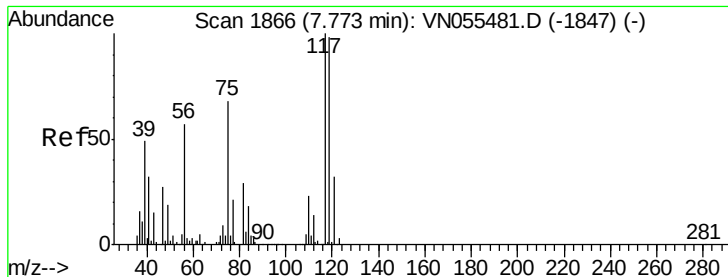
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.6	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.1	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.825 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

ClientSampled :

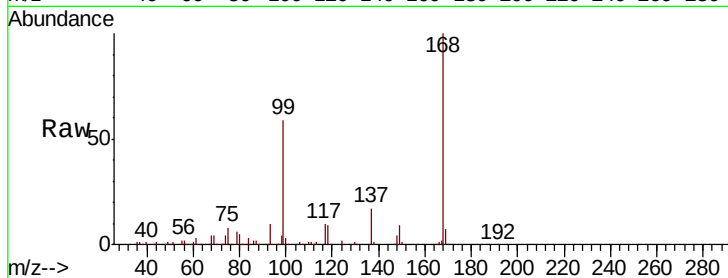
Tot Ion:117 Resp: 83018

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.6#

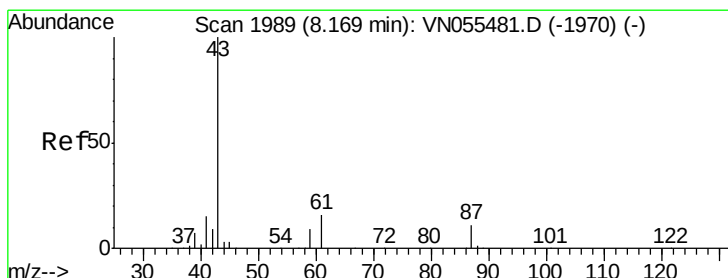
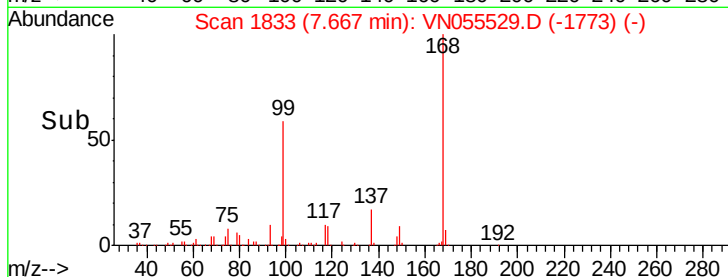
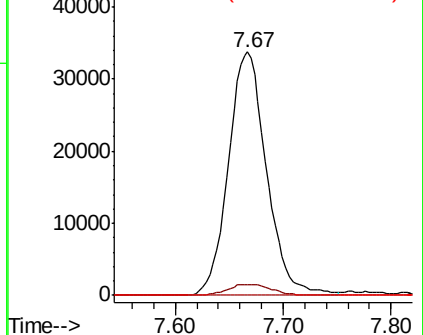
121 0.0 25.2 37.8#



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: 0.204 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.08 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

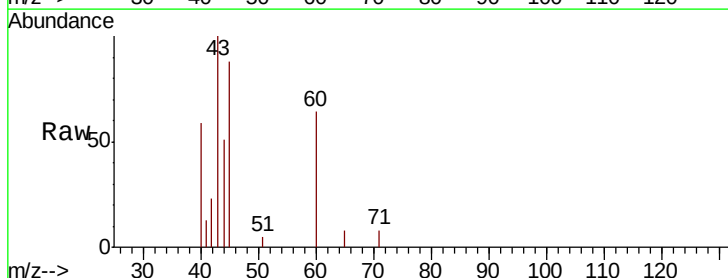
Tgt Ion: 43 Resp: 4883

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

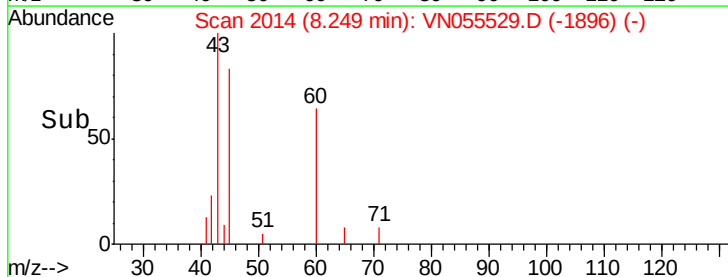
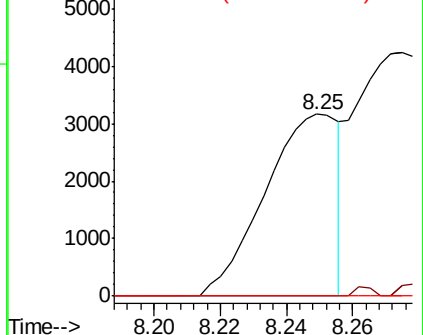
87 0.0 9.0 13.6#

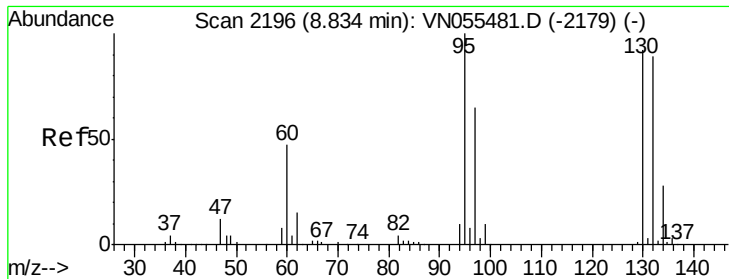


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

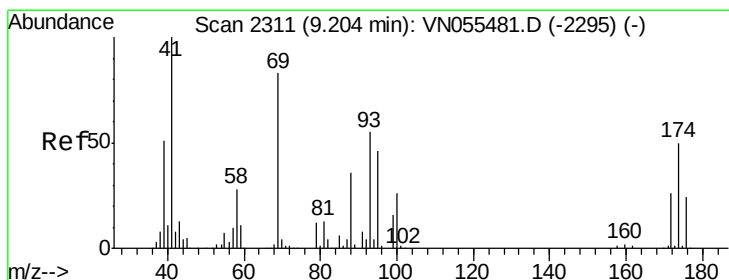
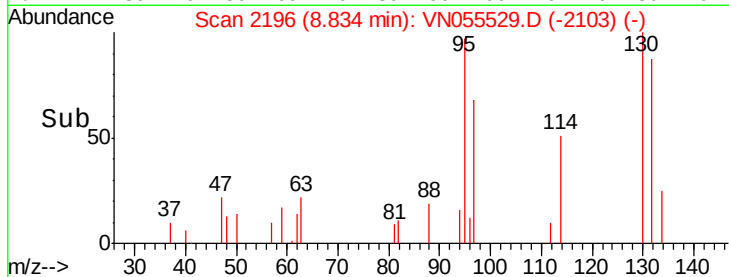
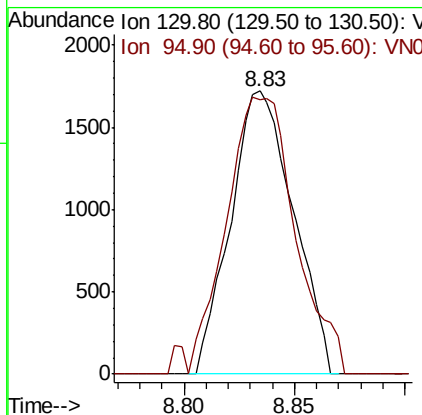
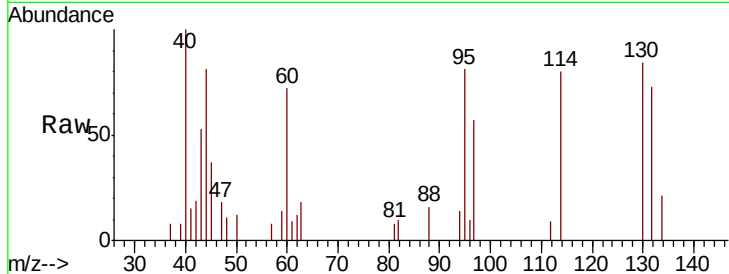




#44
 Trichloroethene
 Concen: 0.318 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

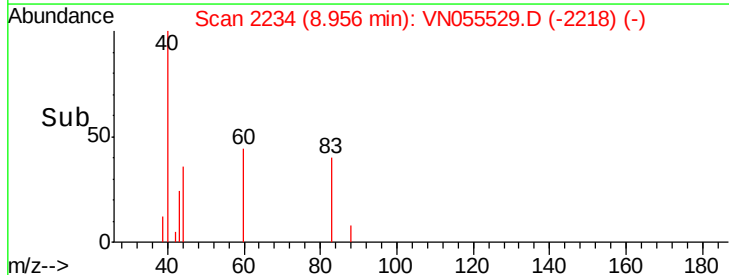
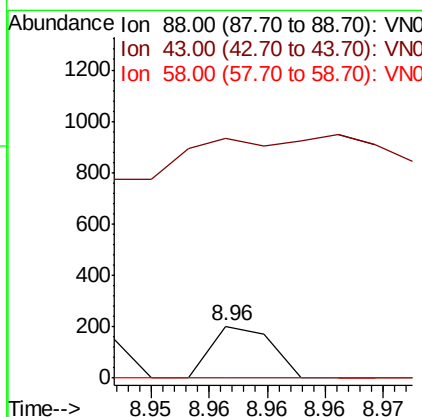
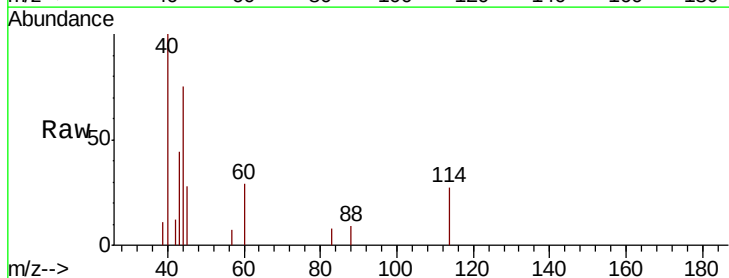
Instrument :
 MSVOA_N
 ClientSampleId :

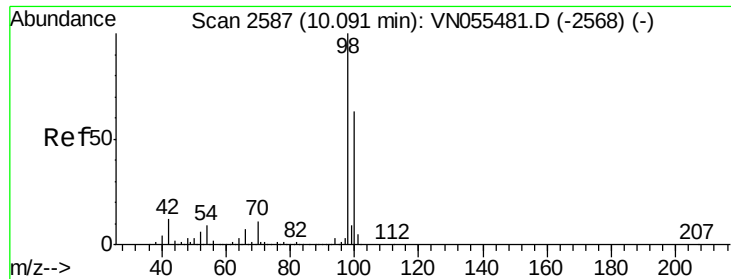
Tot Ion:130 Resp: 3393
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 216.8



#49
 1,4-Dioxane
 Concen: 0.320 ug/l
 RT: 8.96 min Scan# 2234
 Delta R.T. -0.25 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

Tgt Ion: 88 Resp: 72
 Ion Ratio Lower Upper
 88 100
 43 379.2 27.8 41.8#
 58 0.0 61.8 92.6#





#50

Toluene-d8

Concen: 48.610 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

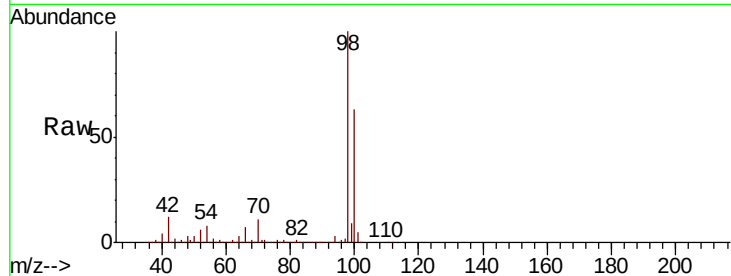
ClientSampled :

Tot Ion: 98 Resp: 1791643

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6



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

Ion 100.00 (99.70 to 100.70): VN055481.D (-2568) (-)

10.09

800000

600000

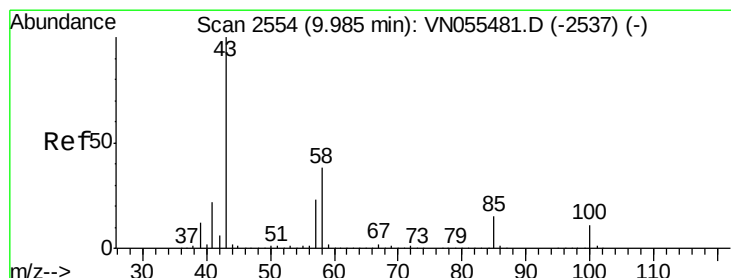
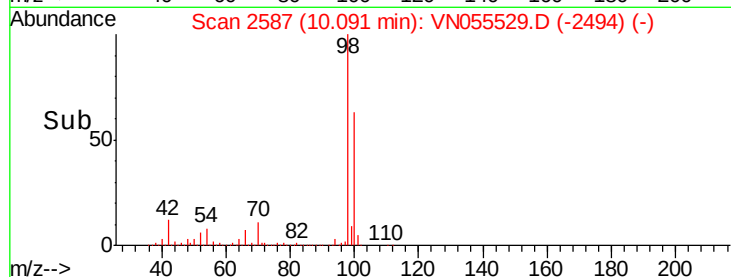
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.496 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN055529.D

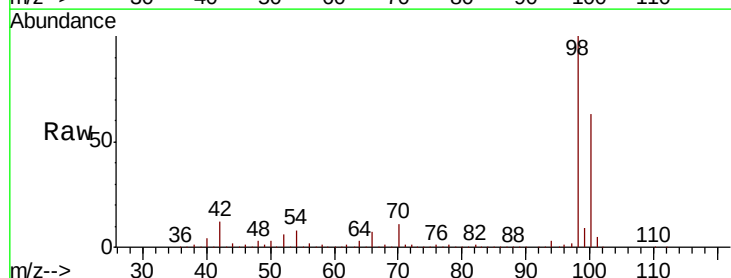
Acq: 10 May 2019 5:24

Tgt Ion: 43 Resp: 7809

Ion Ratio Lower Upper

43 100

58 186.8 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)

10.09

8000

6000

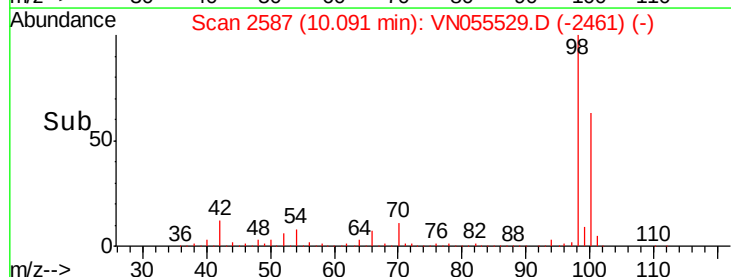
4000

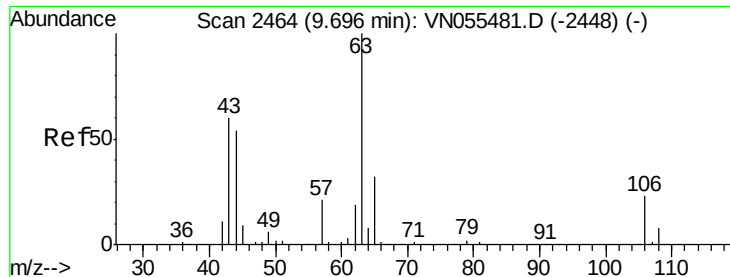
2000

0

10.05 10.10 10.15

Time-->

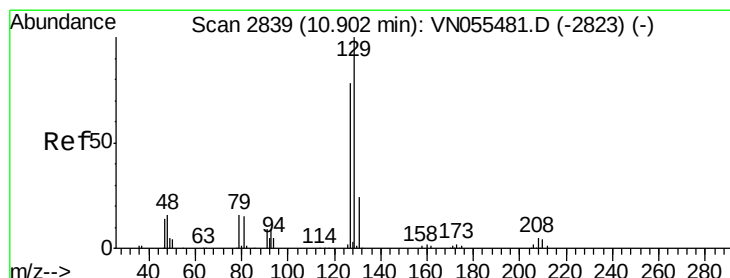
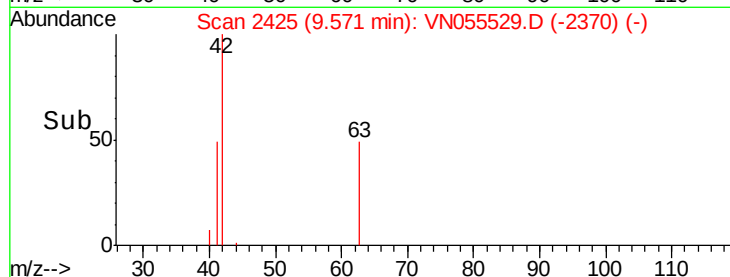
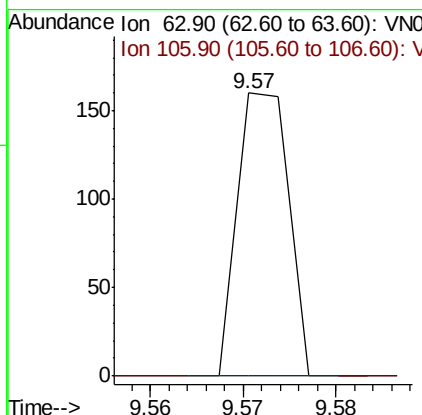
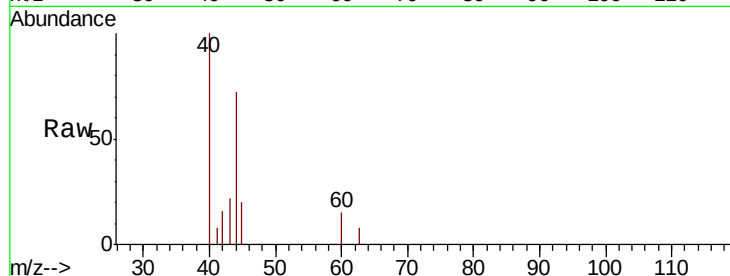




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.523 ug/l
 RT: 9.57 min Scan# 2425
 Delta R.T. -0.12 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

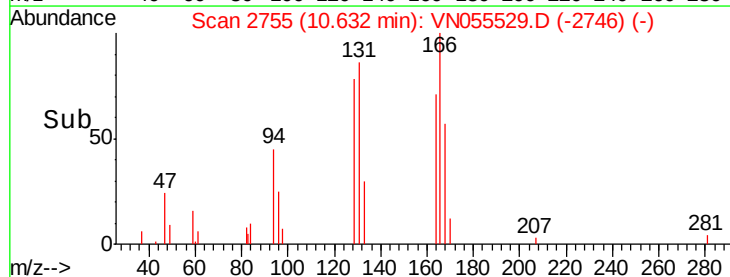
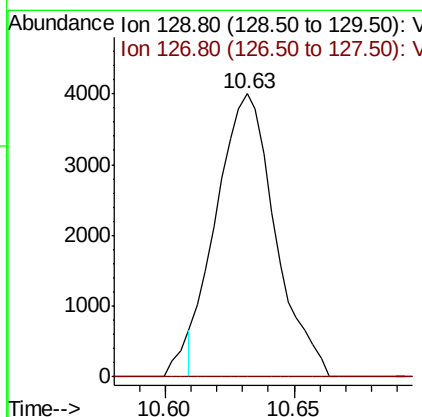
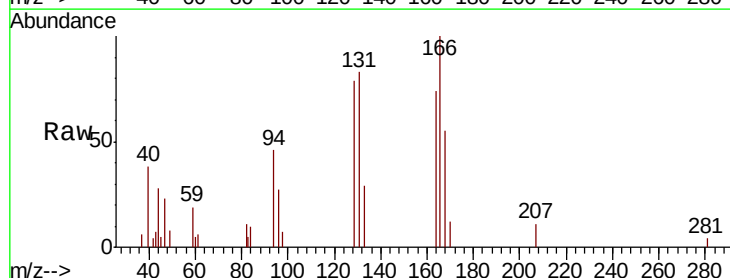
Instrument :
 MSVOA_N
 ClientSampleId :

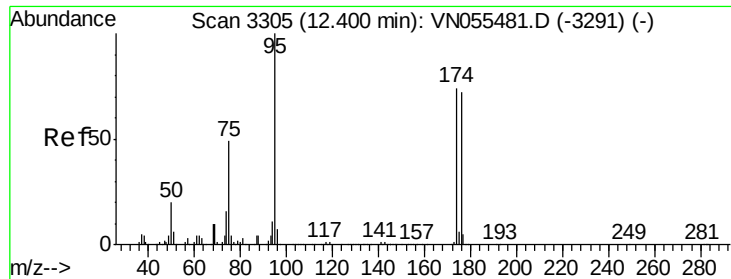
Tot Ion: 63 Resp: 61
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#60
 Dibromochloromethane
 Concen: 0.669 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN055529.D
 Acq: 10 May 2019 5:24

Tgt Ion: 129 Resp: 6315
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 40.196 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

ClientSampleId :

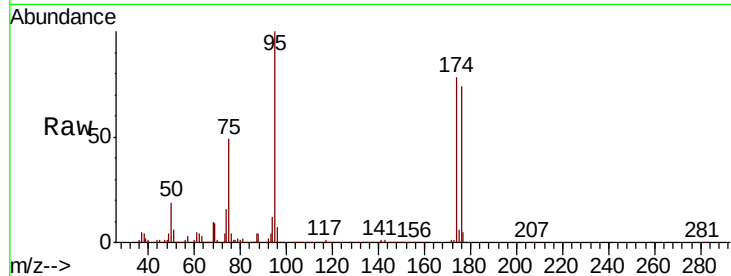
Tot Ion: 95 Resp: 499546

Ion Ratio Lower Upper

95 100

174 78.8 0.0 152.2

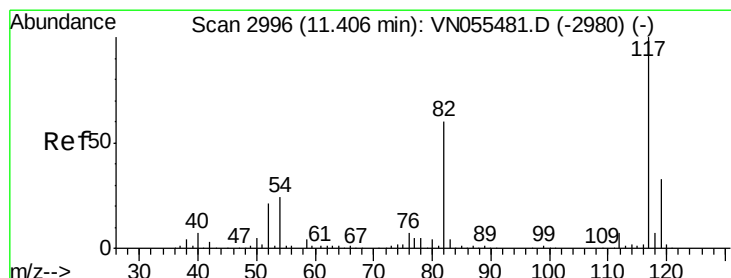
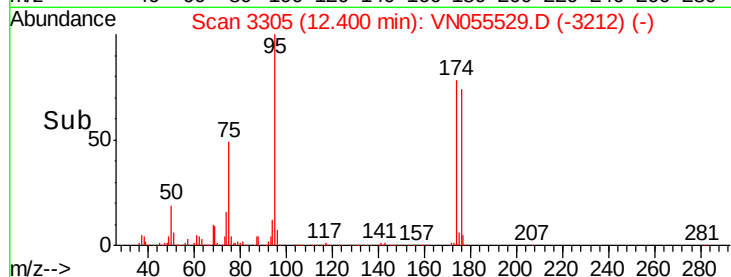
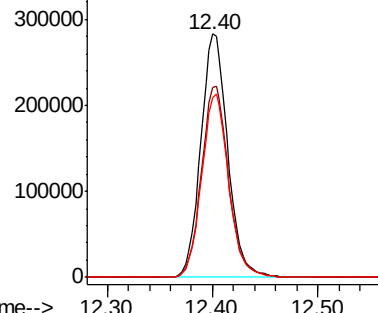
176 75.5 0.0 147.8



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

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

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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

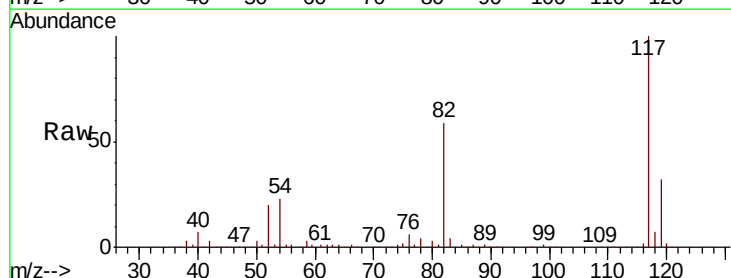
Tgt Ion: 117 Resp: 1212033

Ion Ratio Lower Upper

117 100

82 58.6 48.0 72.0

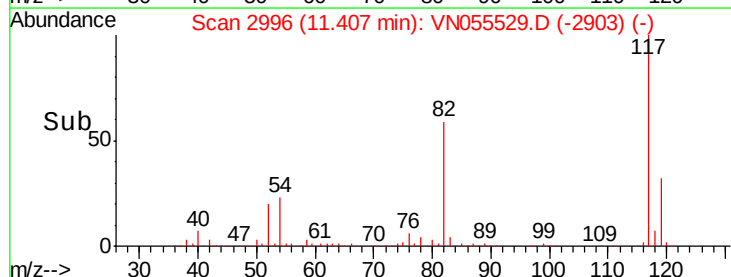
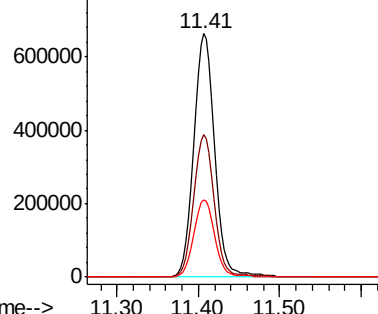
119 31.9 26.0 39.0

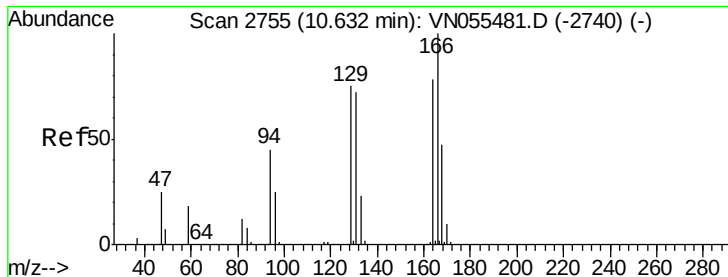


Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)

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

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





#64

Tetrachloroethene

Concen: 0.694 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

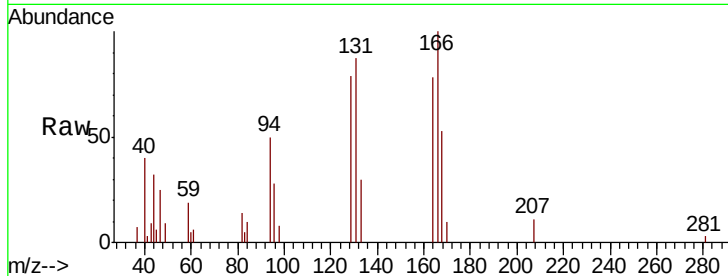
Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:164 Resp: 6890

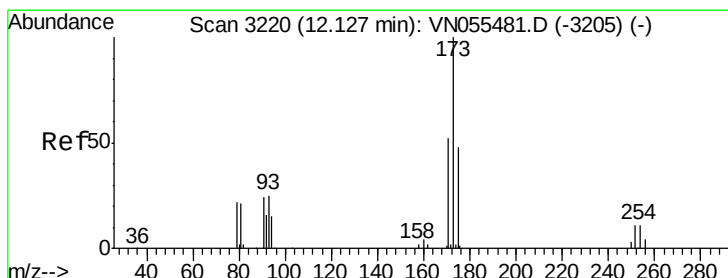
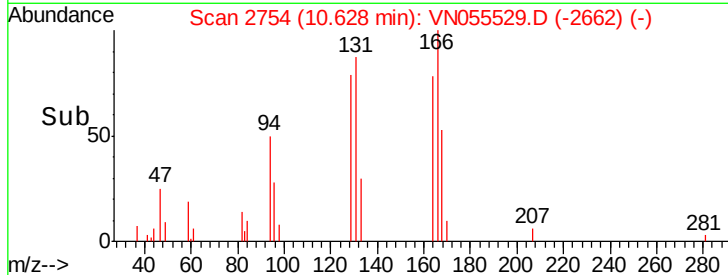
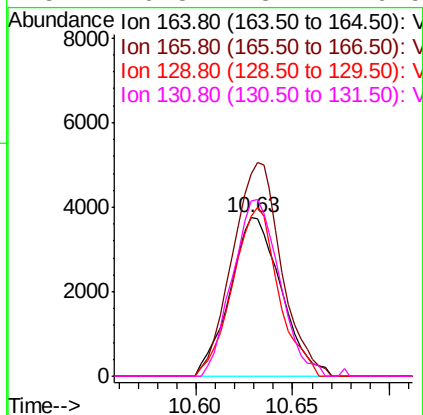
Ion Ratio Lower Upper

164 100

166 127.6 102.6 153.8

129 101.0 77.0 115.6

131 110.8 73.7 110.5#



#71

Bromoform

Concen: 0.480 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

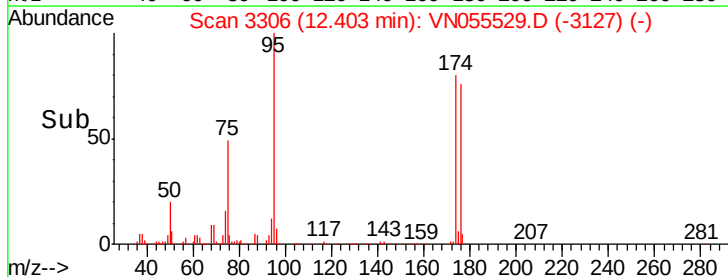
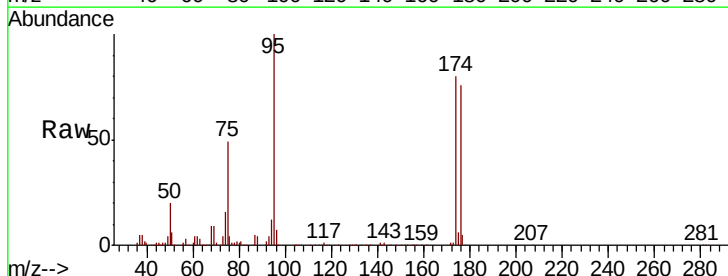
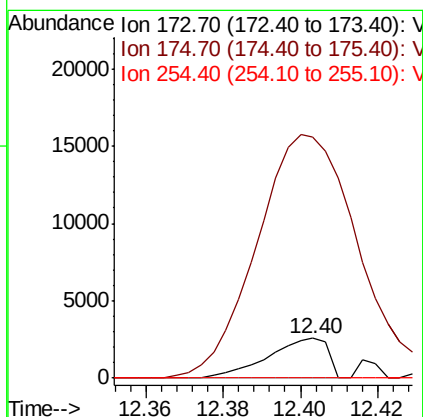
Tgt Ion:173 Resp: 2783

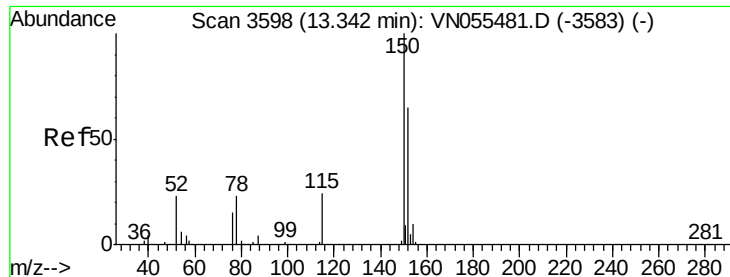
Ion Ratio Lower Upper

173 100

175 874.3 24.1 72.4#

254 0.0 0.1 0.1#



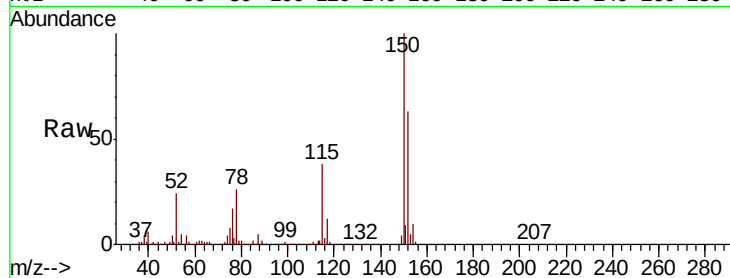


#72

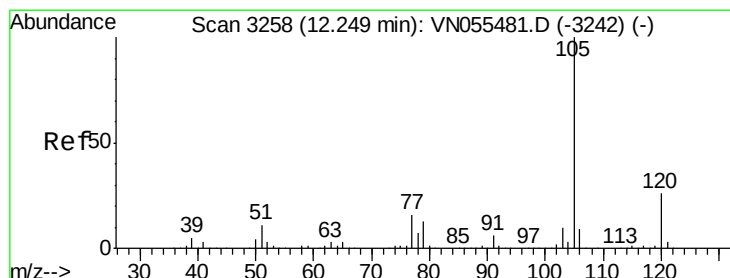
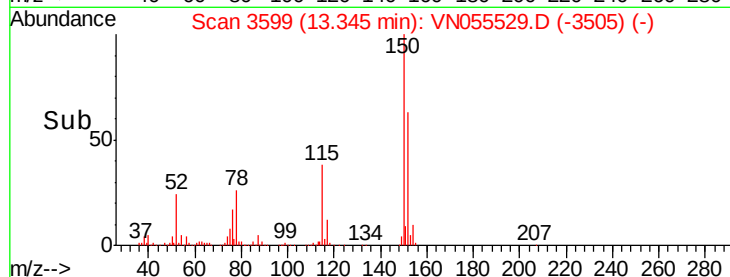
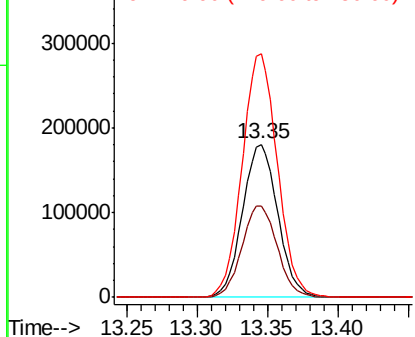
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055529.D
Acq: 10 May 2019 5:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.5
150	158.5	0.0	355.0



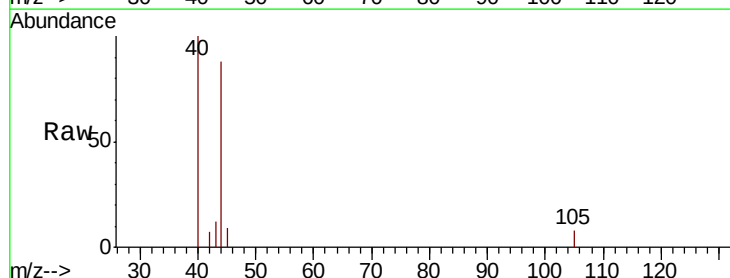
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



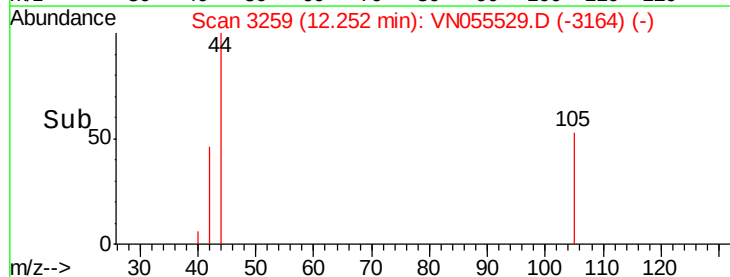
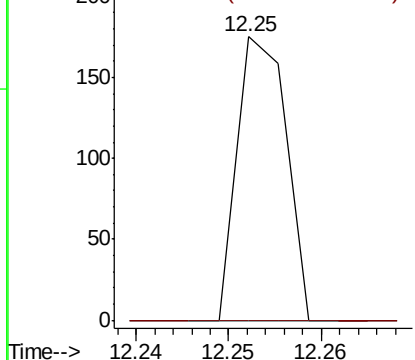
#73

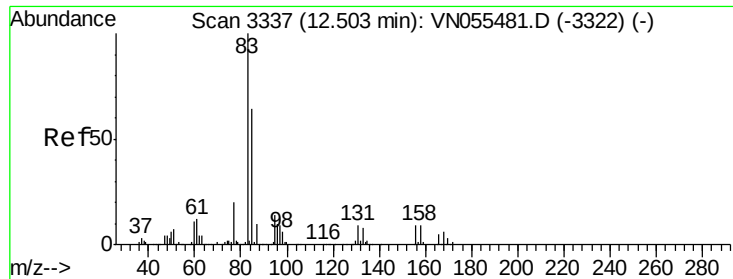
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055529.D
Acq: 10 May 2019 5:24

Tgt 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: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

ClientSampleId :

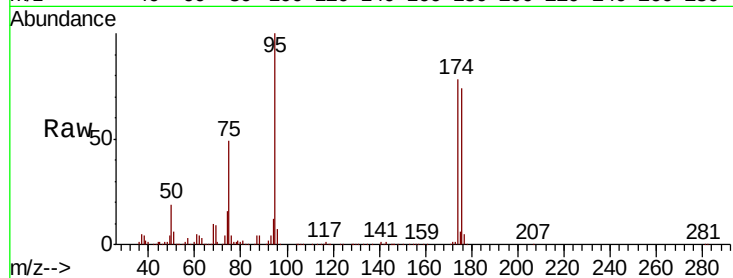
Tot Ion: 83 Resp: 232

Ion Ratio Lower Upper

83 100

131 261.2 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

12.40

300

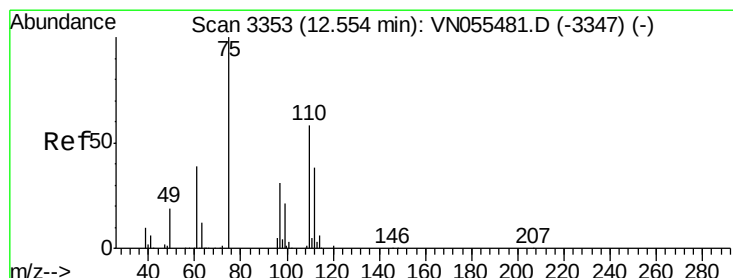
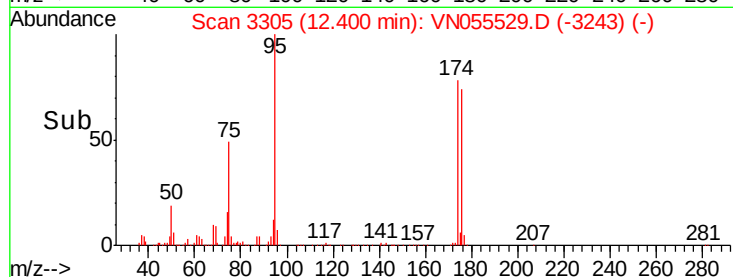
200

100

0

12.38 12.40 12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.756 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055529.D

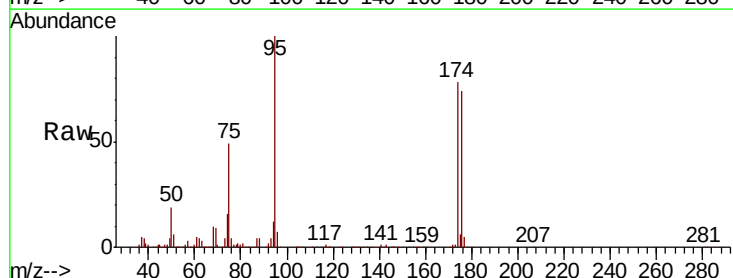
Acq: 10 May 2019 5:24

Tgt Ion: 75 Resp: 247971

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

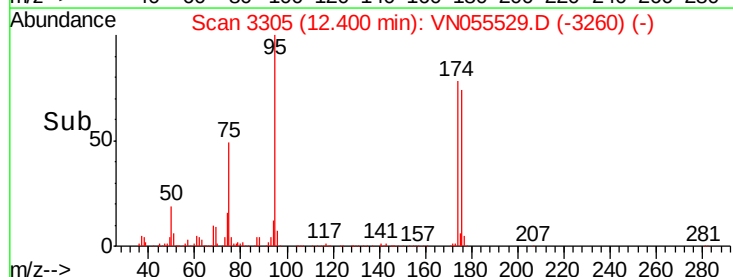
100000

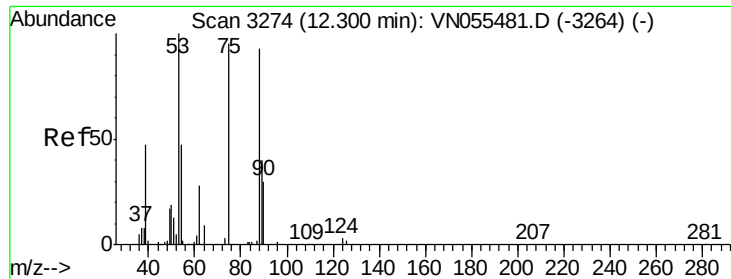
50000

0

12.30 12.40 12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.107 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA_N

ClientSampleId :

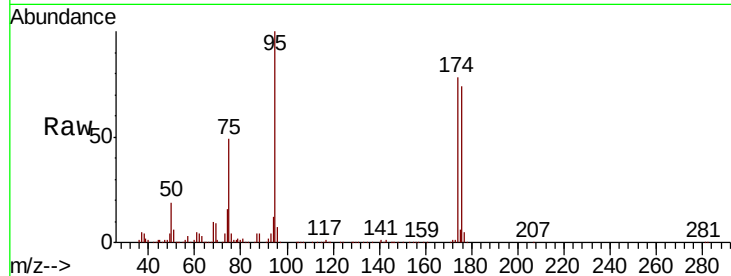
Tot Ion: 75 Resp: 247971

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

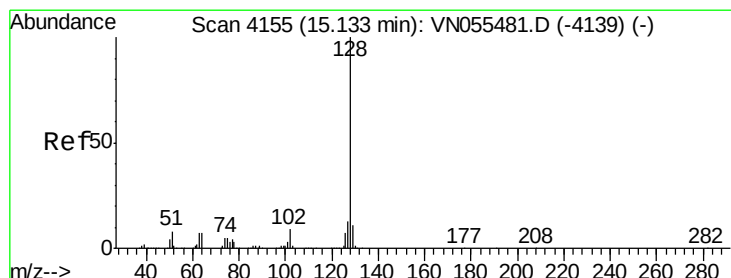
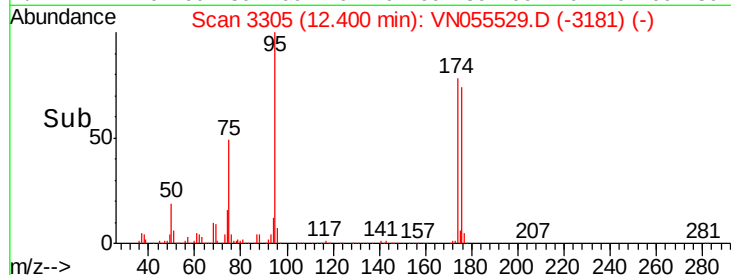
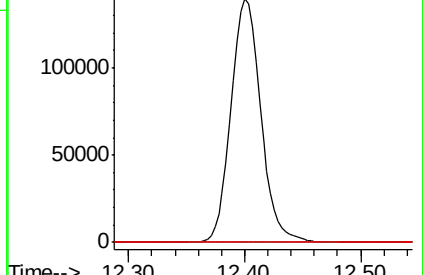
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055481.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055481.D (-3264) (-)



#95

Naphthalene

Concen: 2.939 ug/l

RT: 15.15 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

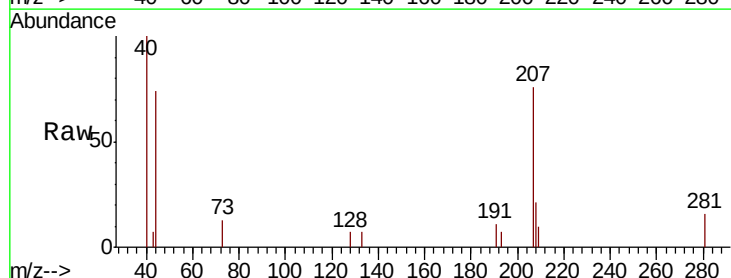
Tgt Ion: 128 Resp: 32

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): VN055481.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055481.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055481.D (-4139) (-)

