

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055528.D
 Acq On : 10 May 2019 4:59
 Operator : JC/SP
 Sample : K2758-28
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 06:01:57 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

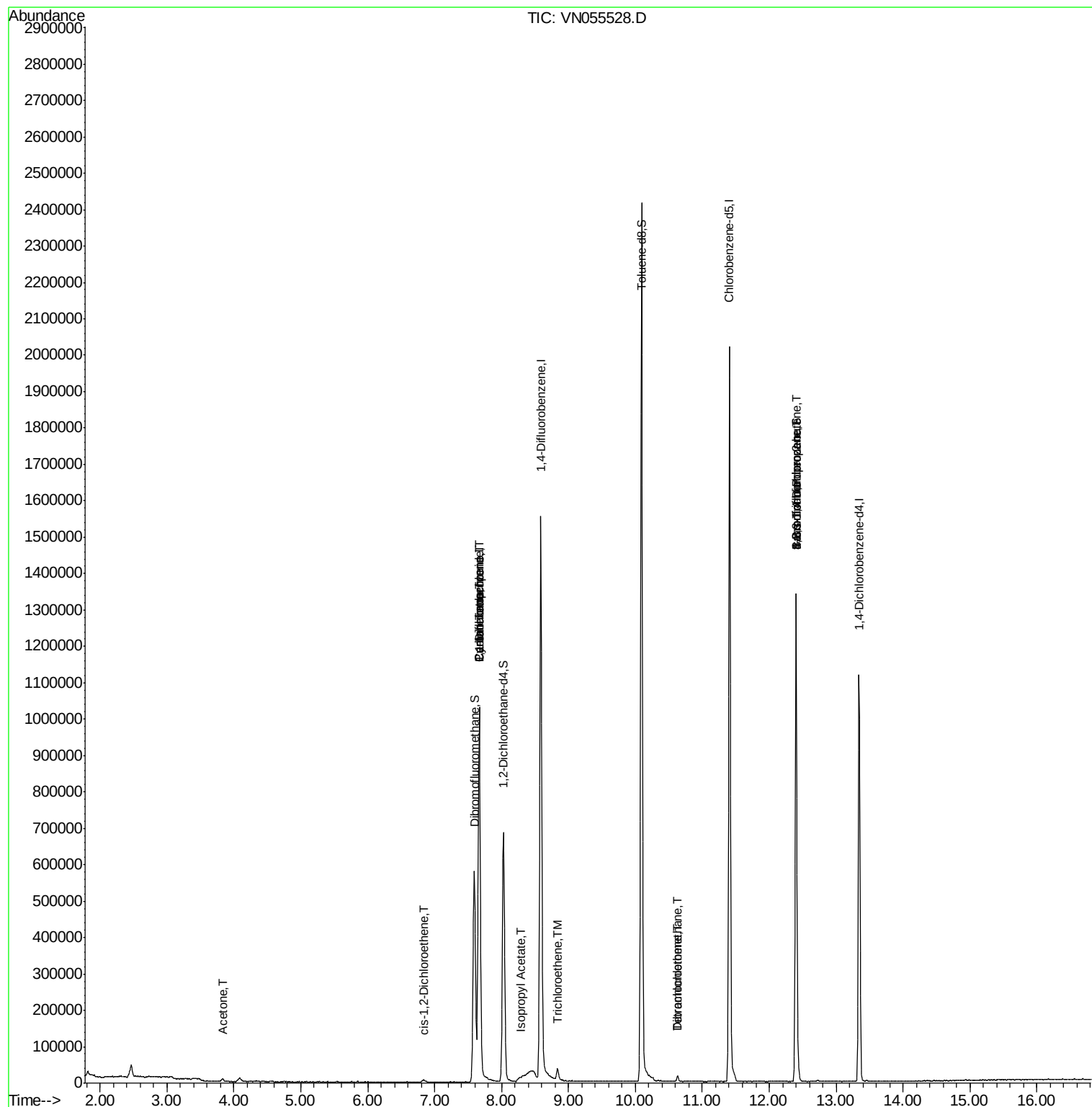
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	852936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1424413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1193103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	309477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	579601	45.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.26%	
35) Dibromofluoromethane	7.59	113	451292	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
50) Toluene-d8	10.09	98	1730786	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	488877	40.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.98%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	12428	2.090	ug/l	95
18) Methyl Acetate	4.34	43	6715	Below Cal	#	69
27) cis-1,2-Dichloroethene	6.83	96	2983	0.255	ug/l	62
31) Cyclohexane	7.67	56	18045	0.871	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	68348	4.871	ug/l #	51
38) Carbon Tetrachloride	7.67	117	82072	6.946	ug/l #	16
43) Isopropyl Acetate	8.27	43	9030	0.388	ug/l #	63
44) Trichloroethene	8.83	130	12358	1.193	ug/l	91
60) Dibromochloromethane	10.63	129	3582	0.391	ug/l #	11
64) Tetrachloroethene	10.63	164	3746	0.383	ug/l	95
71) Bromoform	12.40	173	3132	0.549	ug/l #	1
73) Isopropylbenzene	12.25	105	102	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	228	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	246991	29.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	246991	108.173	ug/l #	7

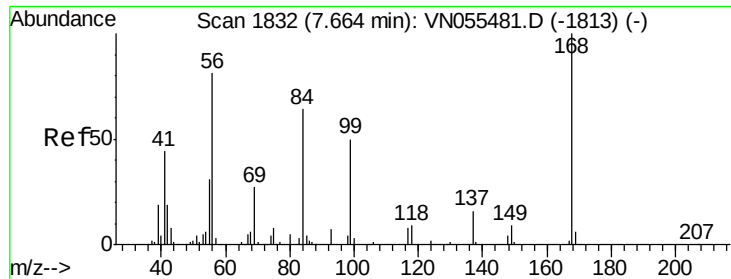
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055528.D

Acq: 10 May 2019 4:59

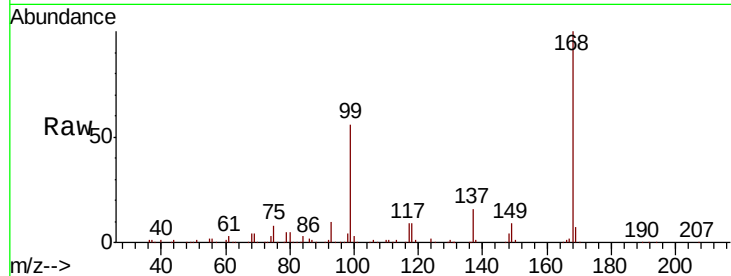
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 852936

Ion Ratio Lower Upper

168 100

99 56.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055528.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055528.D (-1739) (-)

7.67

400000

300000

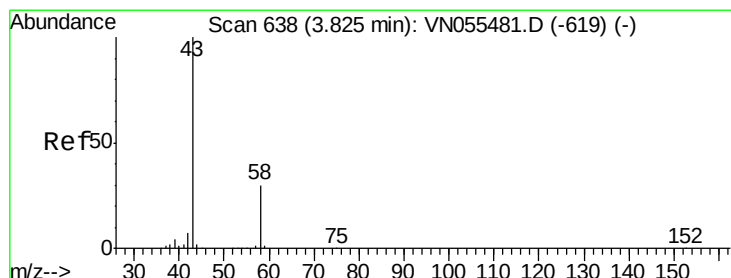
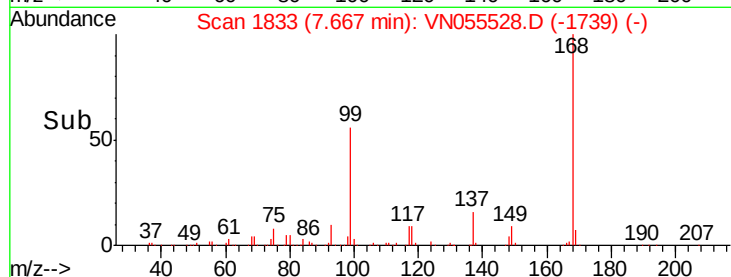
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 2.090 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.01 min

Lab File: VN055528.D

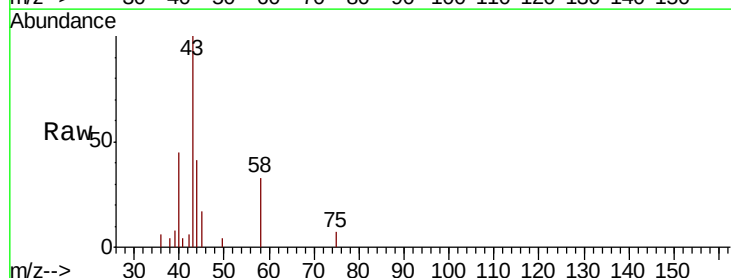
Acq: 10 May 2019 4:59

Tgt Ion: 43 Resp: 12428

Ion Ratio Lower Upper

43 100

58 32.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055528.D (-545) (-)

Ion 58.00 (57.70 to 58.70): VN055528.D (-545) (-)

3.83

5000

4000

3000

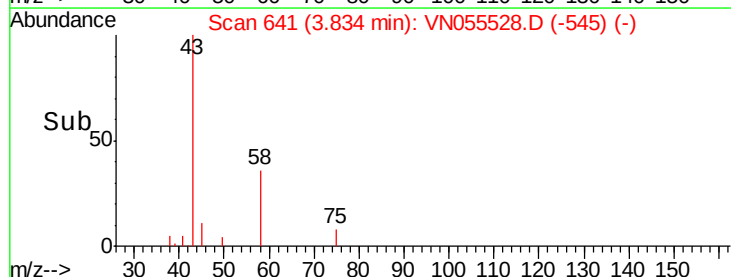
2000

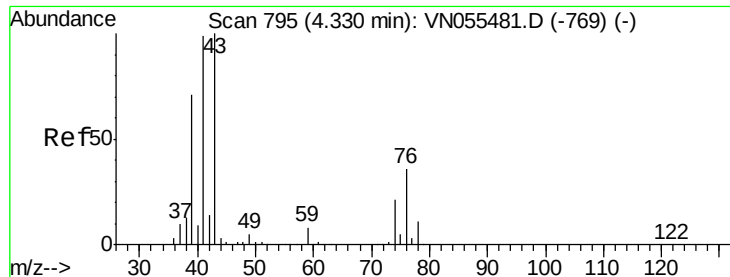
1000

0

3.70 3.80 3.90

Time-->

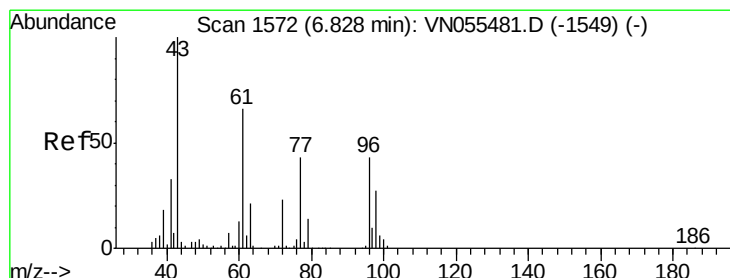
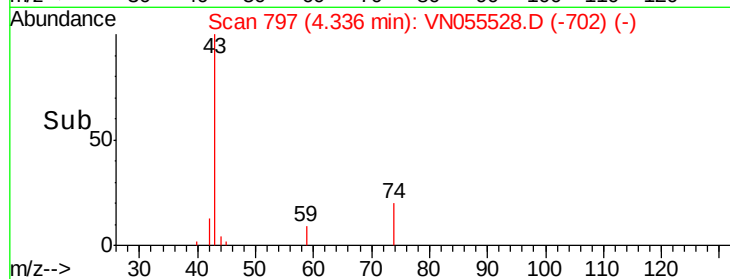
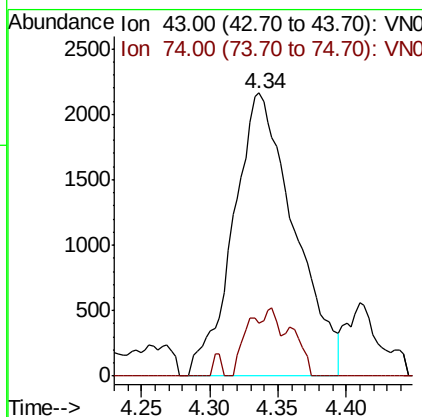
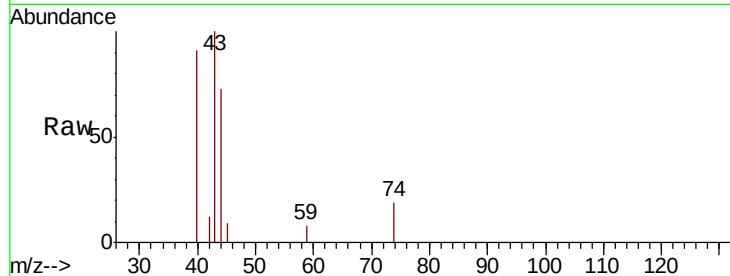




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

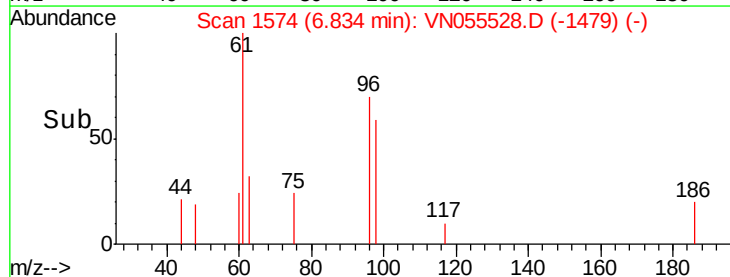
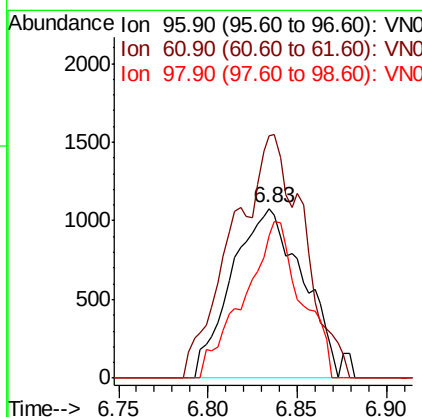
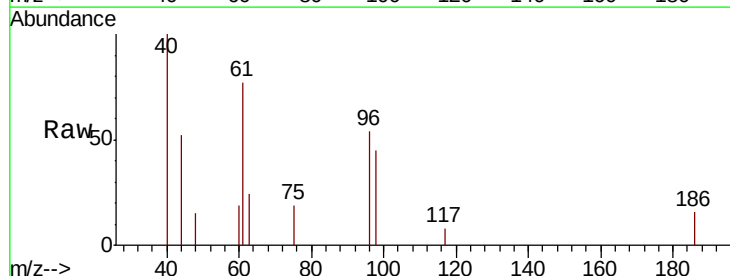
Instrument :
MSVOA_N
ClientSampleId :

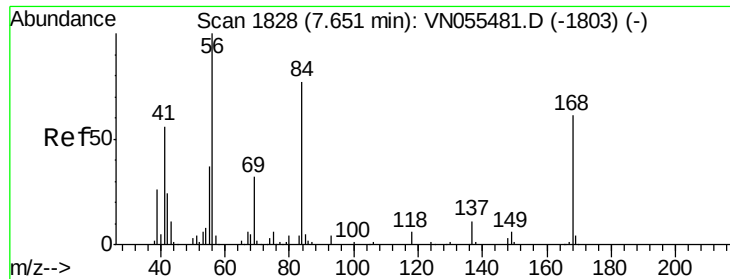
Tot Ion: 43 Resp: 6715
Ion Ratio Lower Upper
43 100
74 5.9 16.3 24.5#



#27
cis-1,2-Dichloroethene
Concen: 0.255 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Tgt Ion: 96 Resp: 2983
Ion Ratio Lower Upper
96 100
61 92.5 0.0 310.8
98 74.7 0.0 129.4

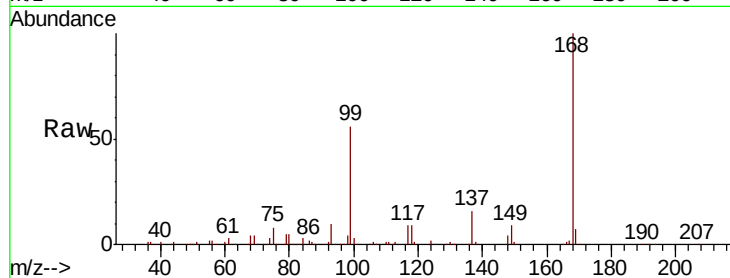




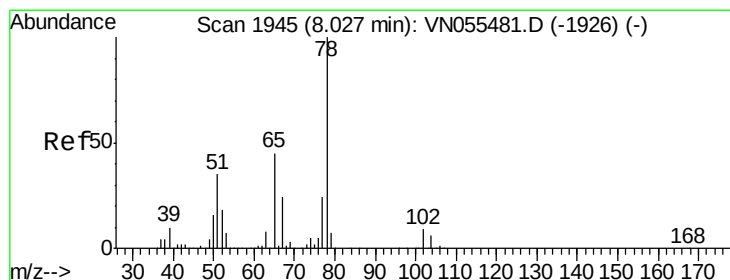
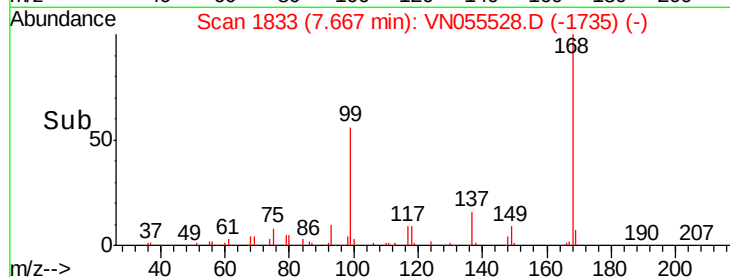
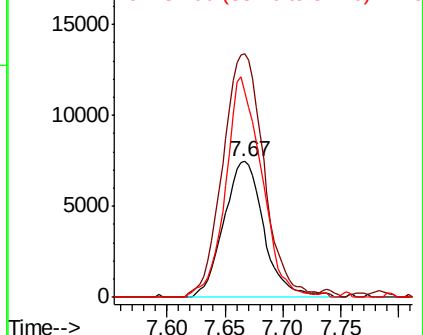
#31
Cyclohexane
Concen: 0.871 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	69	84	Resp	18045	Lower	Upper
Ion	100	177.0	151.1				
Ratio		26.0	61.9				
		39.0#	92.9#				

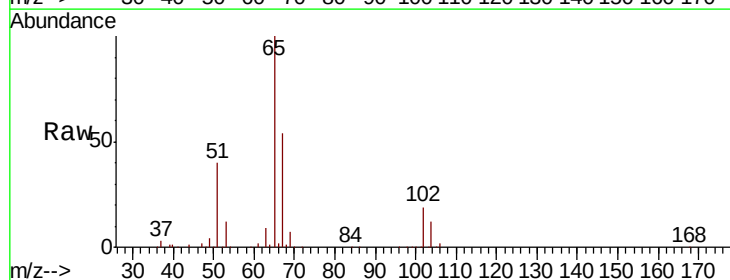


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

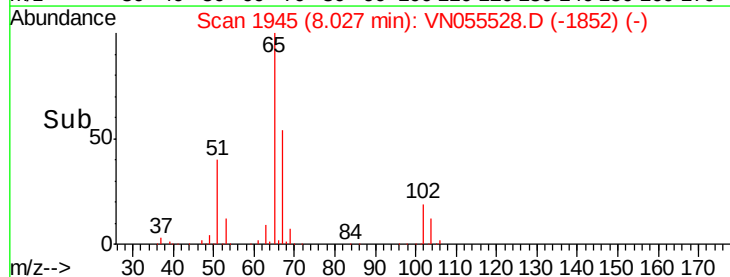
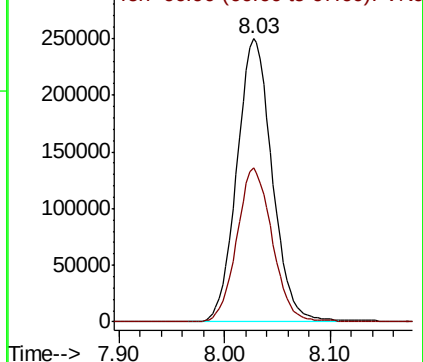


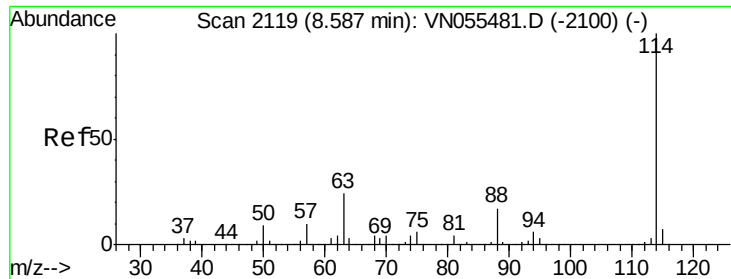
#33
1,2-Dichloroethane-d4
Concen: 45.132 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Tgt Ion	65	67	Resp	579601	Lower	Upper
Ion	100	54.9				
Ratio		0.0				
		109.6				



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

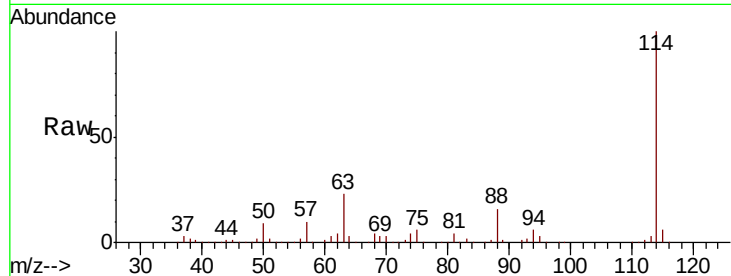




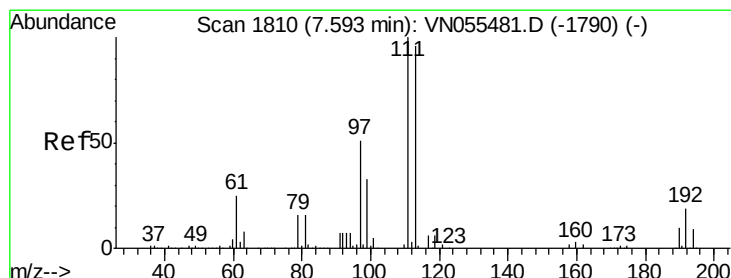
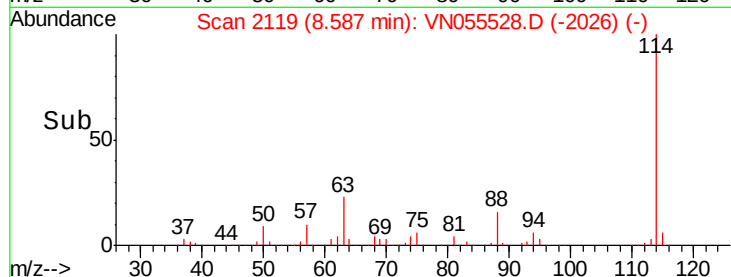
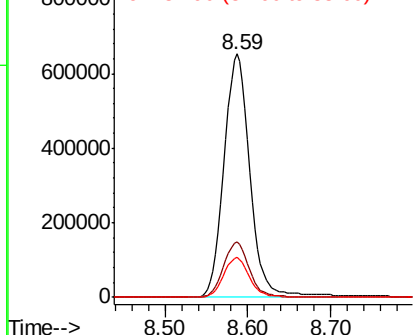
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055528.D
 Acq: 10 May 2019 4:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1424413
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.4
 88 16.3 0.0 34.0

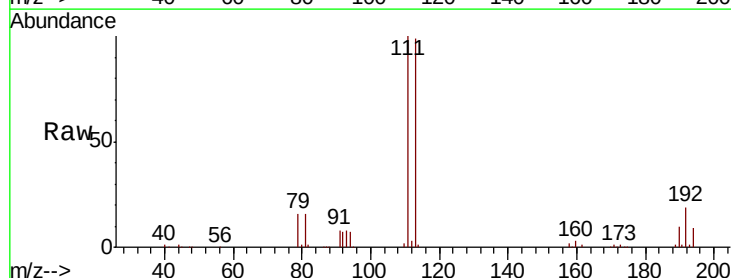


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

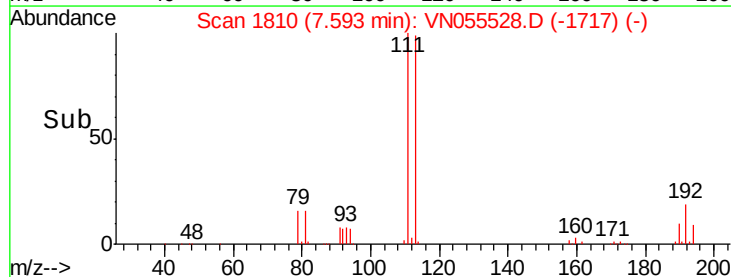
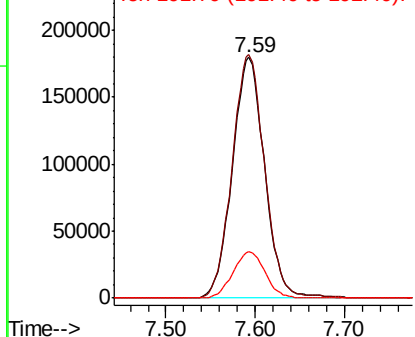


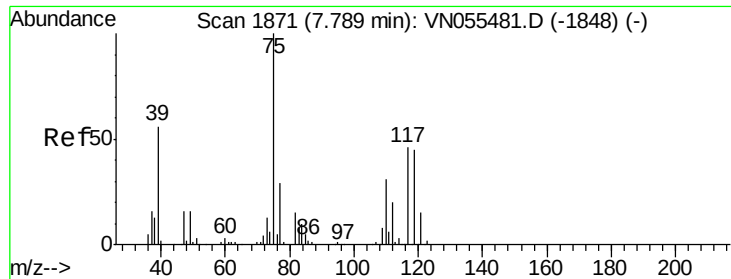
#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055528.D
 Acq: 10 May 2019 4:59

Tgt Ion:113 Resp: 451292
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 19.1 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

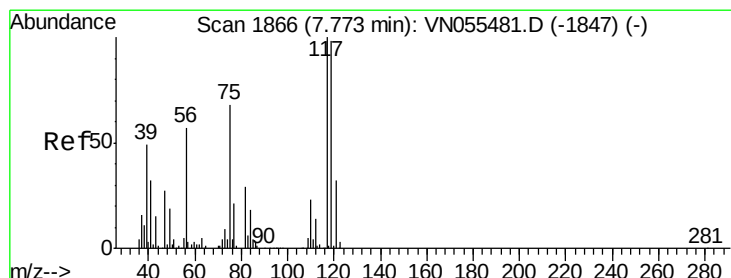
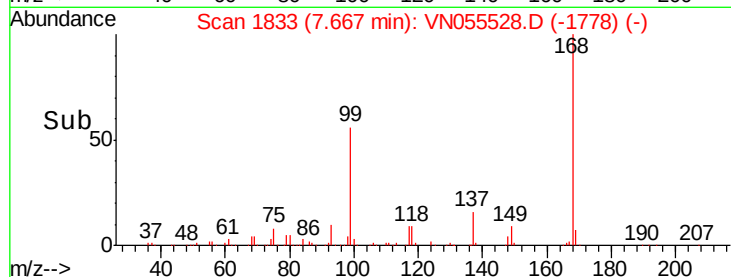
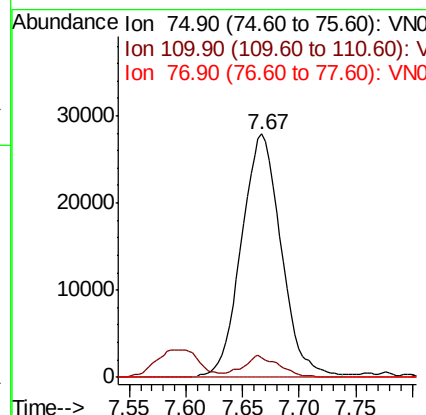
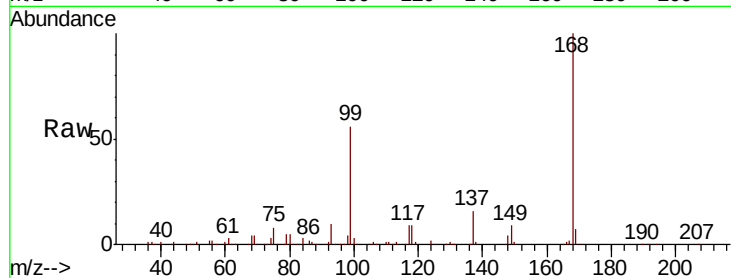




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055528.D
 Acq: 10 May 2019 4:59

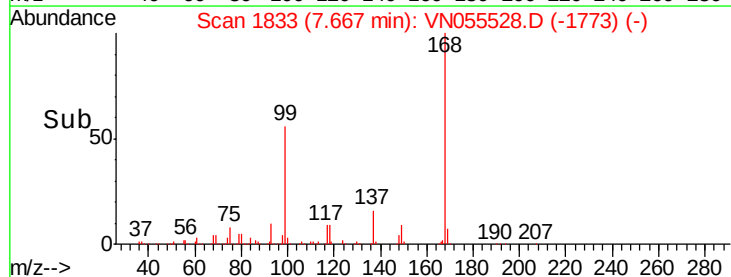
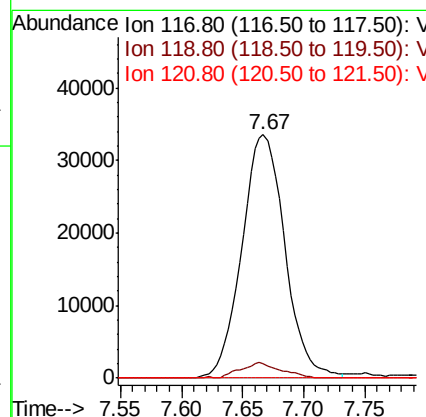
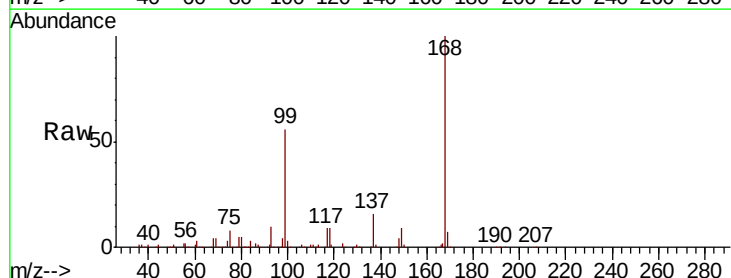
Instrument :
 MSVOA_N
 ClientSampleId :

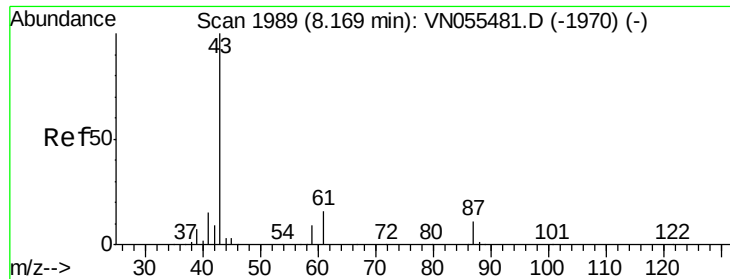
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.1	48.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.946 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055528.D
 Acq: 10 May 2019 4:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.8	116.6#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 0.388 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.10 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

Instrument :

MSVOA_N

ClientSampleId :

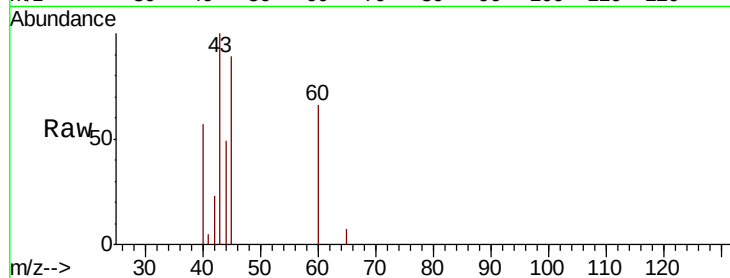
Tot Ion: 43 Resp: 9030

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

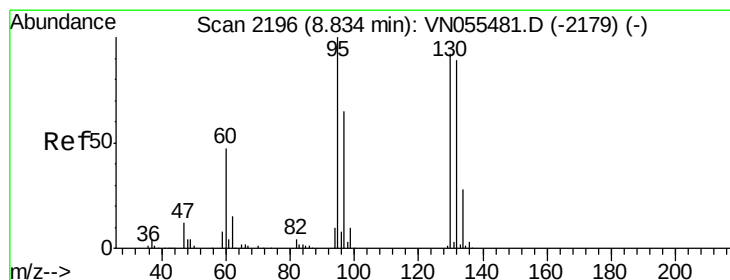
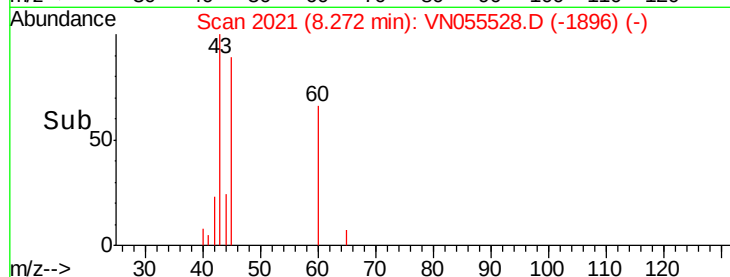
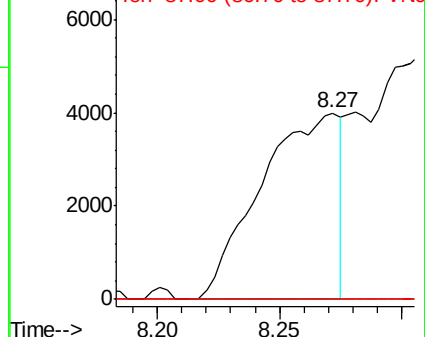
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN055528.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN055528.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN055528.D (-2021) (-)



#44

Trichloroethene

Concen: 1.193 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055528.D

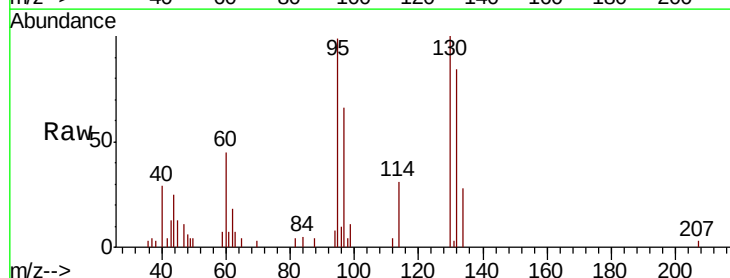
Acq: 10 May 2019 4:59

Tgt Ion: 130 Resp: 12358

Ion Ratio Lower Upper

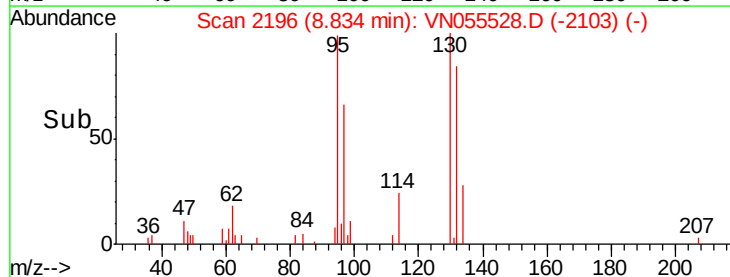
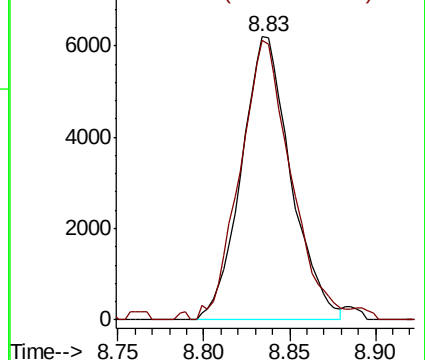
130 100

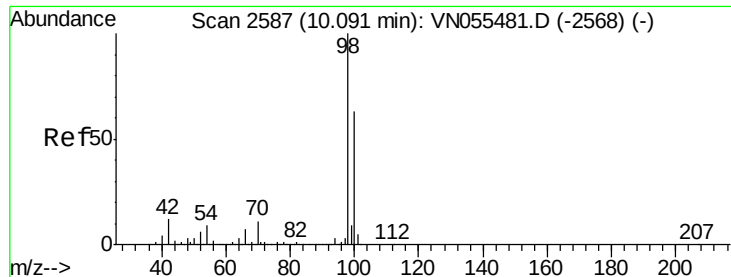
95 98.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055528.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055528.D (-2196) (-)





#50

Toluene-d8

Concen: 48.336 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

Instrument :

MSVOA_N

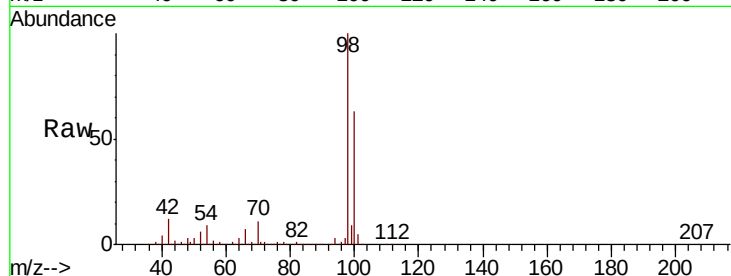
ClientSampled :

Tot Ion: 98 Resp: 1730786

Ion Ratio Lower Upper

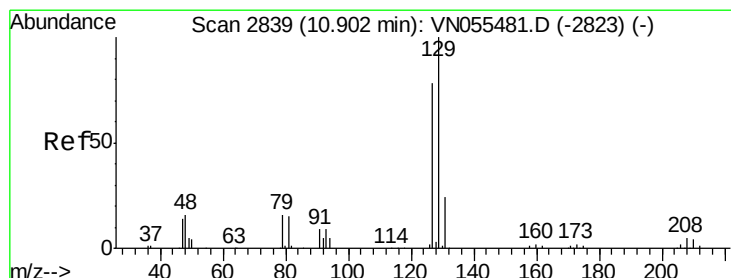
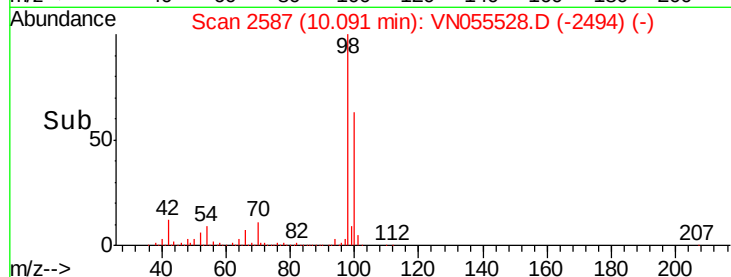
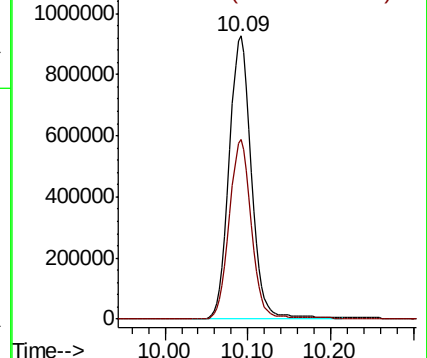
98 100

100 62.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#60

Dibromochloromethane

Concen: 0.391 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN055528.D

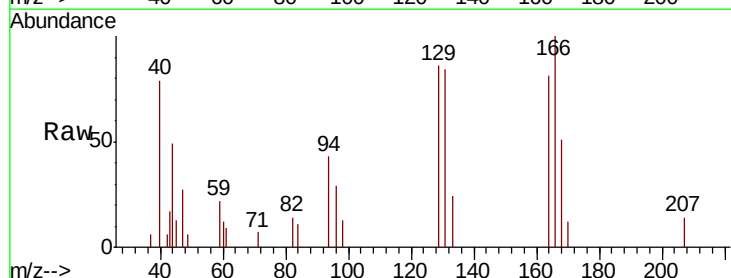
Acq: 10 May 2019 4:59

Tgt Ion: 129 Resp: 3582

Ion Ratio Lower Upper

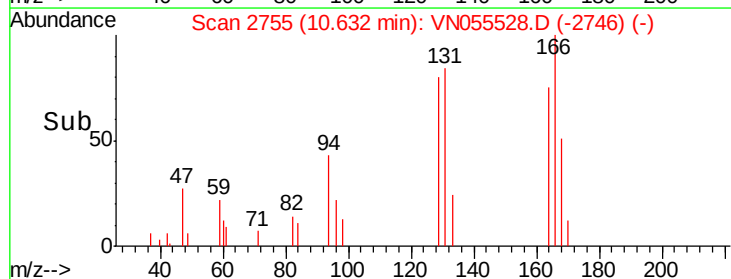
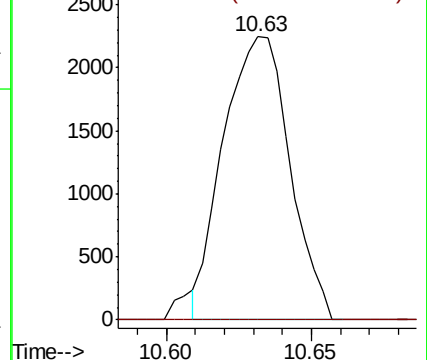
129 100

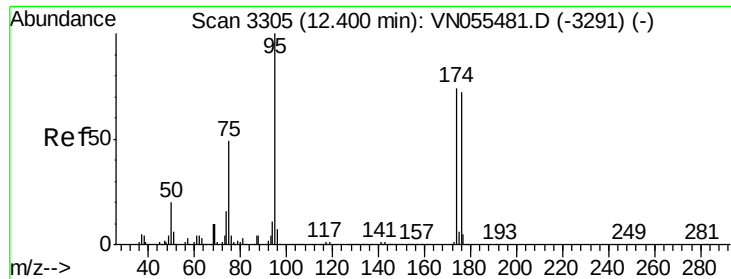
127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

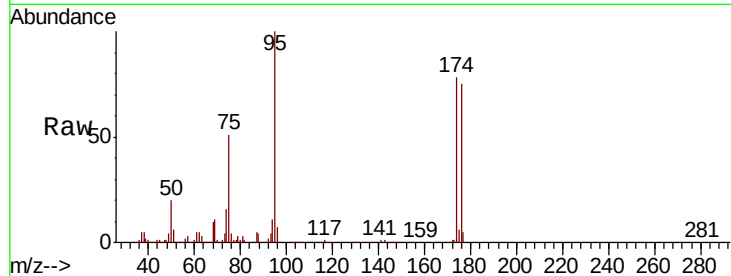




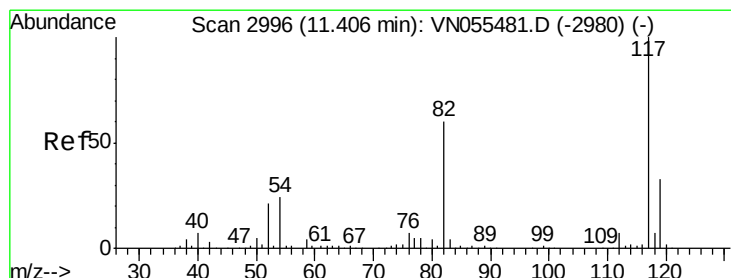
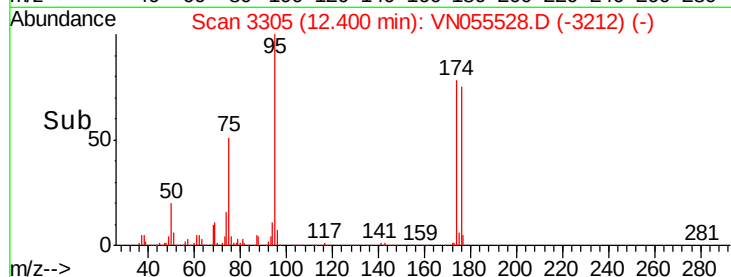
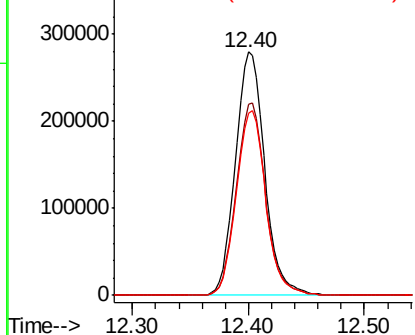
#62
4-Bromofluorobenzene
Concen: 40.491 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 488877
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.2
176 76.4 0.0 147.8

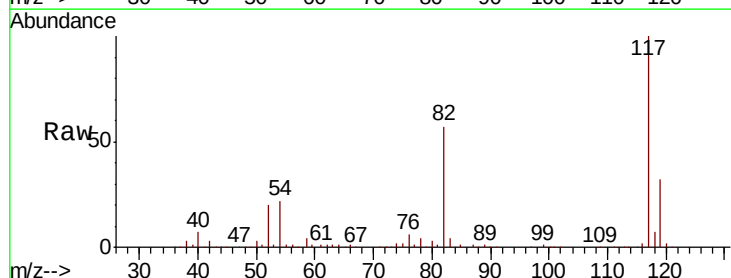


Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)

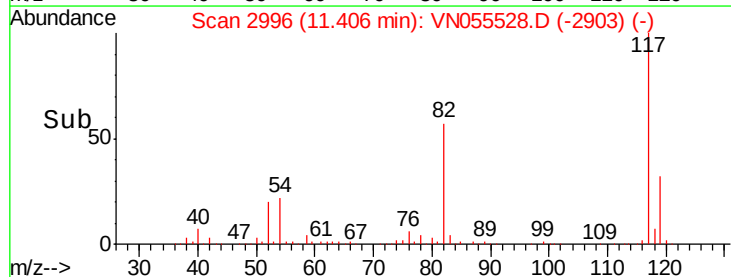
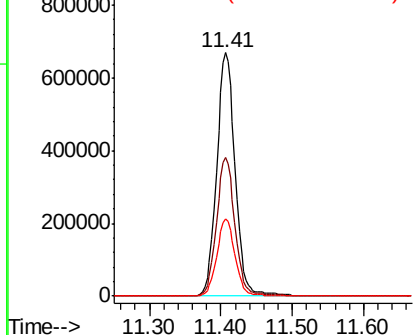


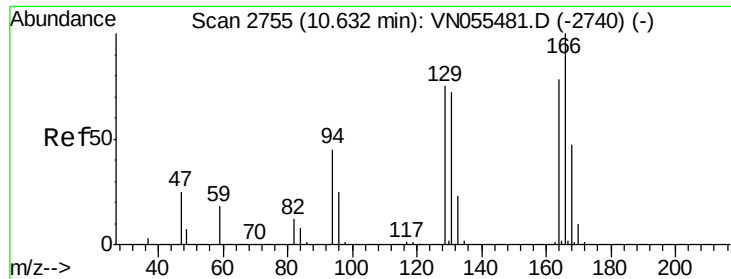
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Tgt Ion: 117 Resp: 1193103
Ion Ratio Lower Upper
117 100
82 56.8 48.0 72.0
119 31.7 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: 0.383 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 3746

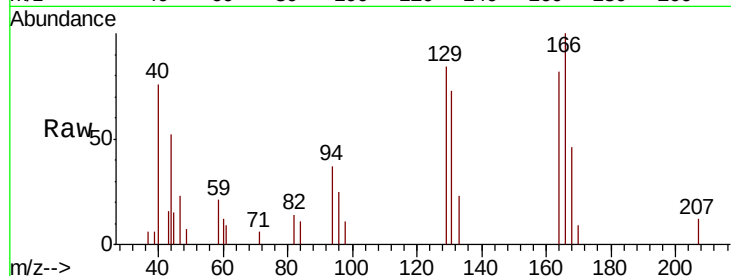
Ion Ratio Lower Upper

164 100

166 121.6 102.6 153.8

129 102.4 77.0 115.6

131 88.3 73.7 110.5



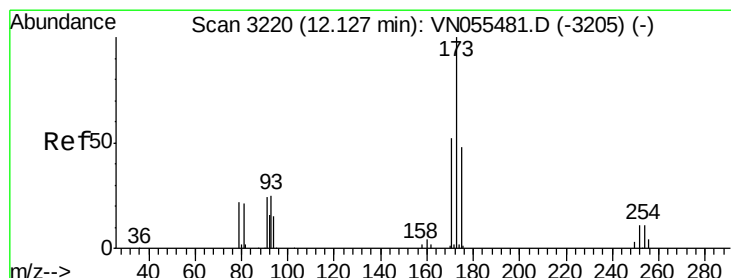
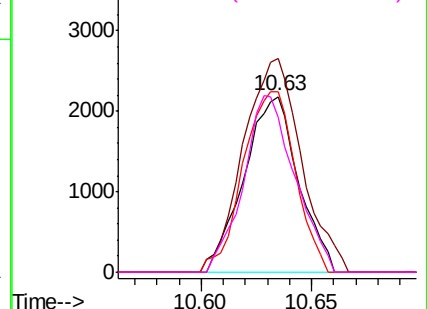
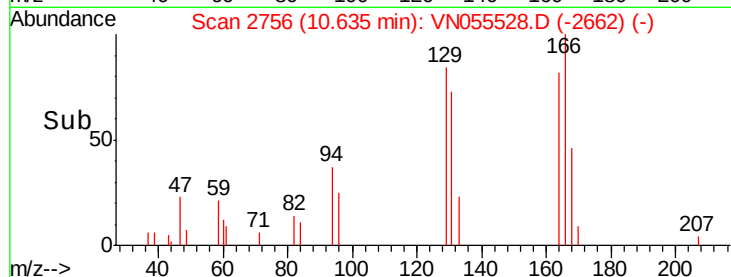
Abundance

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: 0.549 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

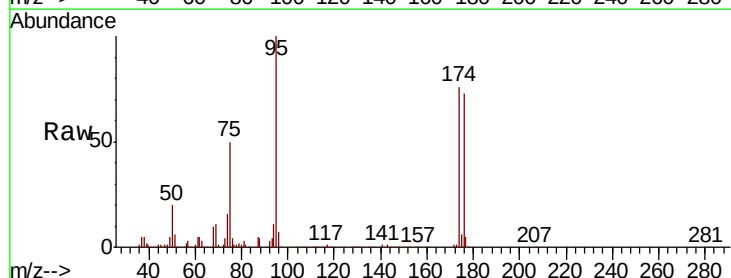
Tgt Ion:173 Resp: 3132

Ion Ratio Lower Upper

173 100

175 788.7 24.1 72.4#

254 0.0 0.1 0.1#

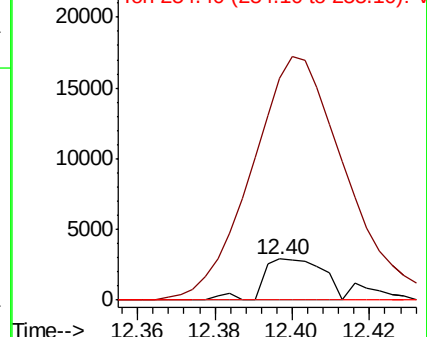
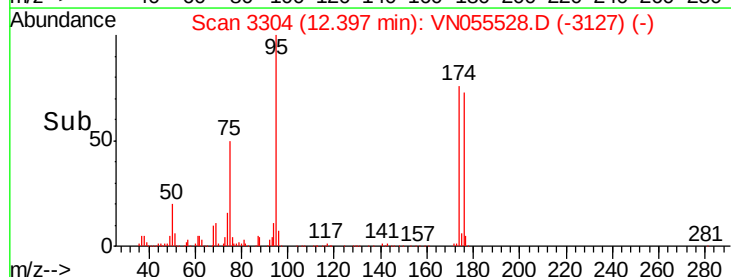


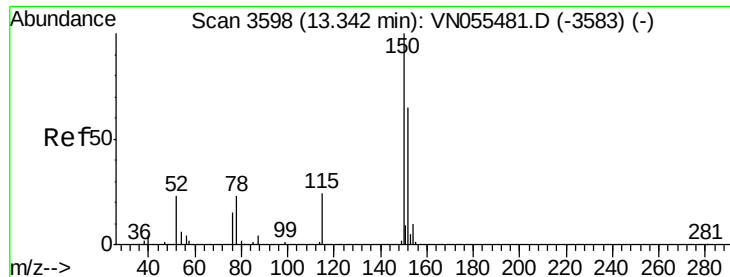
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



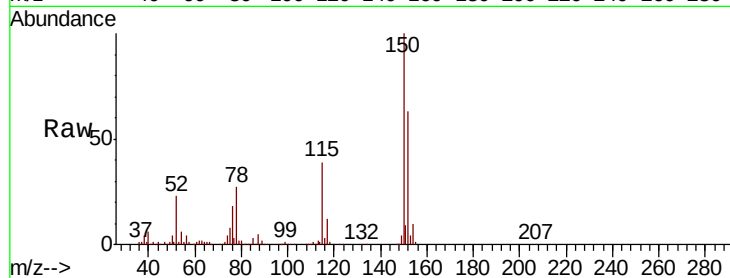


#72

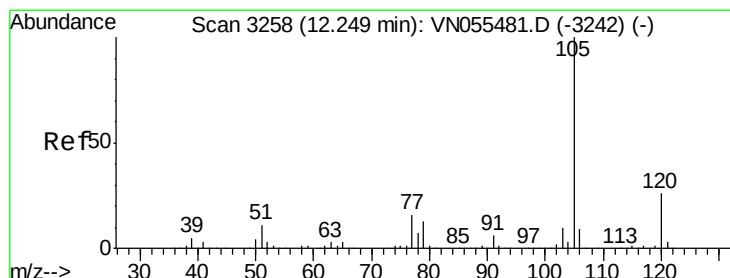
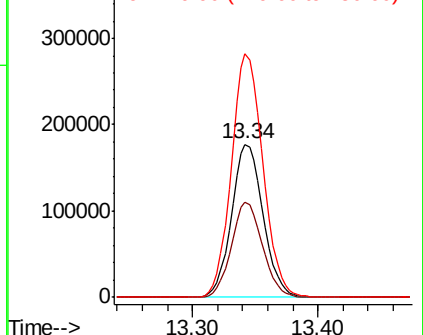
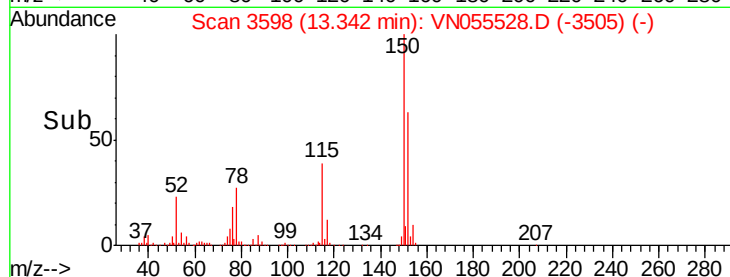
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	159.5	0.0	355.0



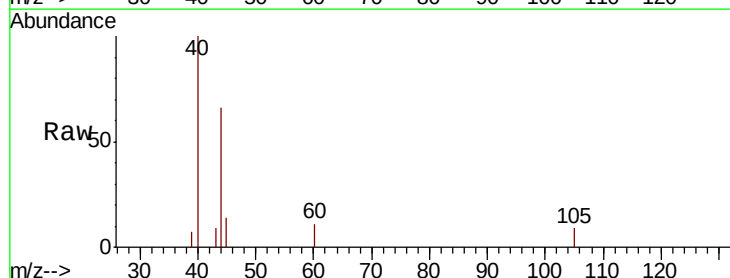
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



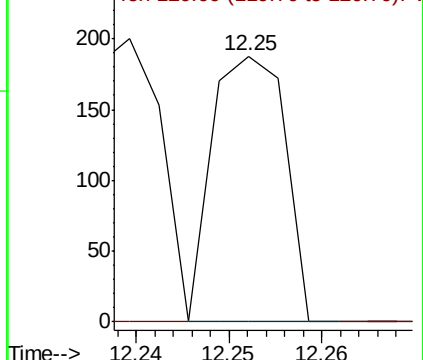
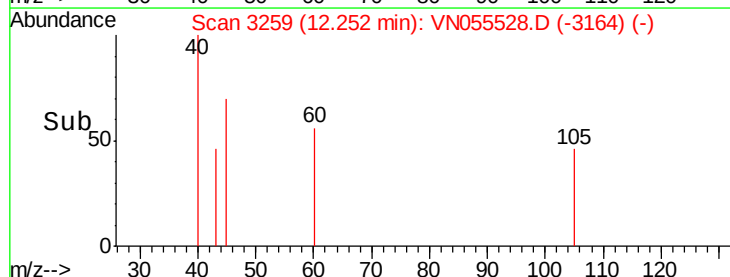
#73

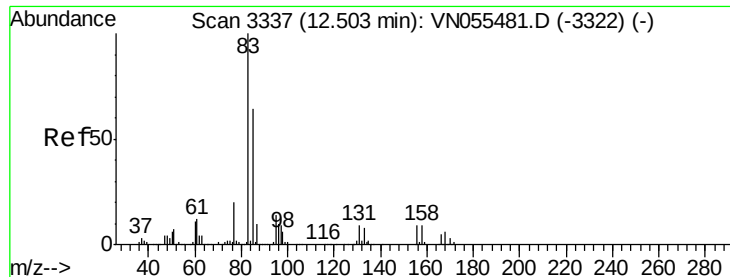
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055528.D
Acq: 10 May 2019 4:59

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# 3306

Delta R.T. -0.10 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

Instrument :

MSVOA_N

ClientSampleId :

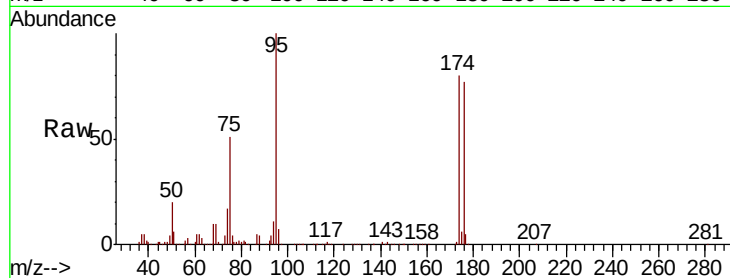
Tot Ion: 83 Resp: 228

Ion Ratio Lower Upper

83 100

131 200.4 4.5 13.5#

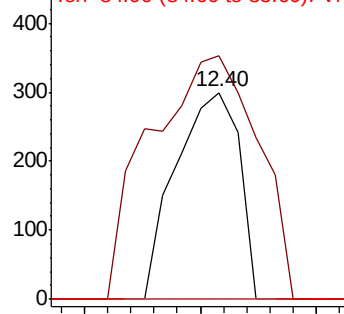
85 0.0 32.0 96.0#



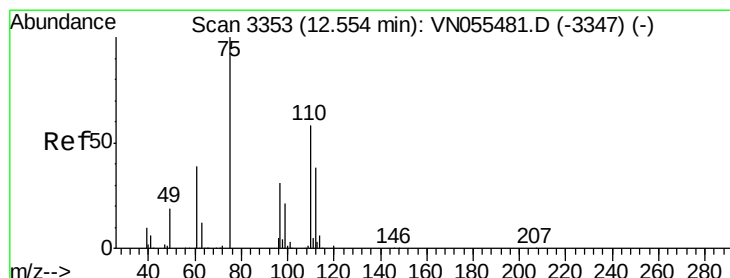
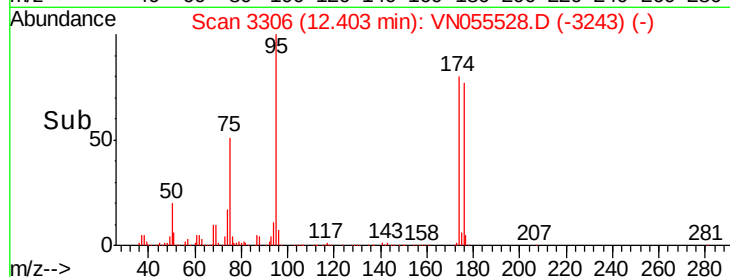
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.316 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055528.D

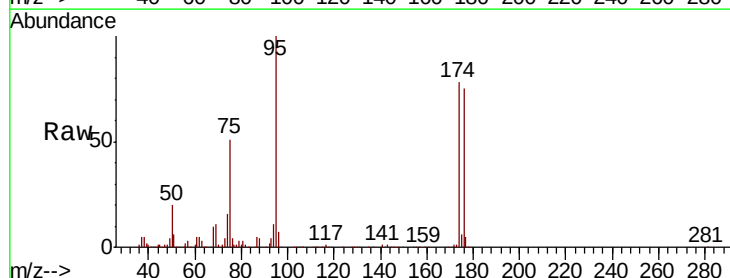
Acq: 10 May 2019 4:59

Tgt Ion: 75 Resp: 246991

Ion Ratio Lower Upper

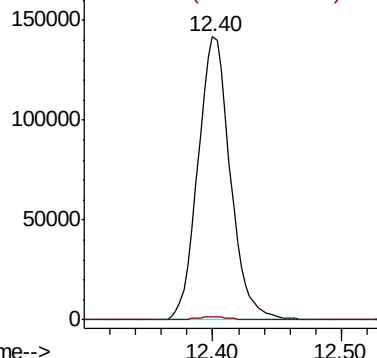
75 100

77 1.2 0.0 0.0#

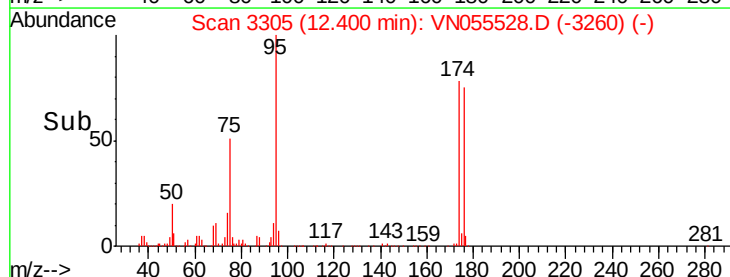


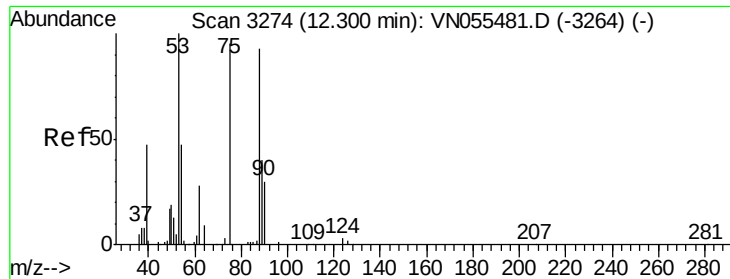
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 108.173 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055528.D

Acq: 10 May 2019 4:59

Instrument :

MSVOA_N

ClientSampleId :

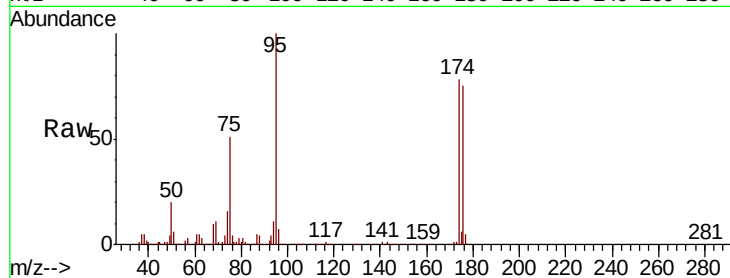
Tot Ion: 75 Resp: 246991

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#



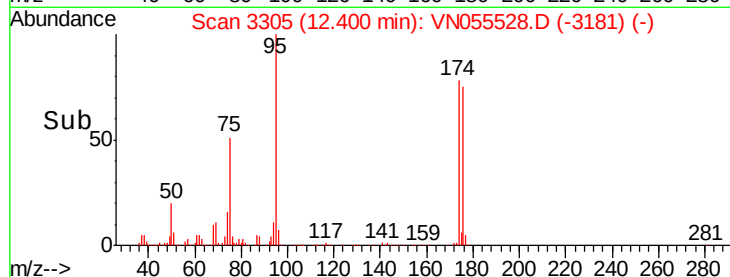
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

150000

100000

50000

0



Time-->

12.40

12.50