

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058467.D
 Acq On : 1 Oct 2019 16:40
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Oct 02 01:29:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	575350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	217993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	300138	48.97	ug/l	0.00
Spiked Amount						
			Recovery	=	97.94%	
35) Dibromofluoromethane	7.57	113	213331	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	847159	51.20	ug/l	0.00
Spiked Amount						
			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.41	95	263577	44.06	ug/l	0.00
Spiked Amount						
			Recovery	=	88.12%	

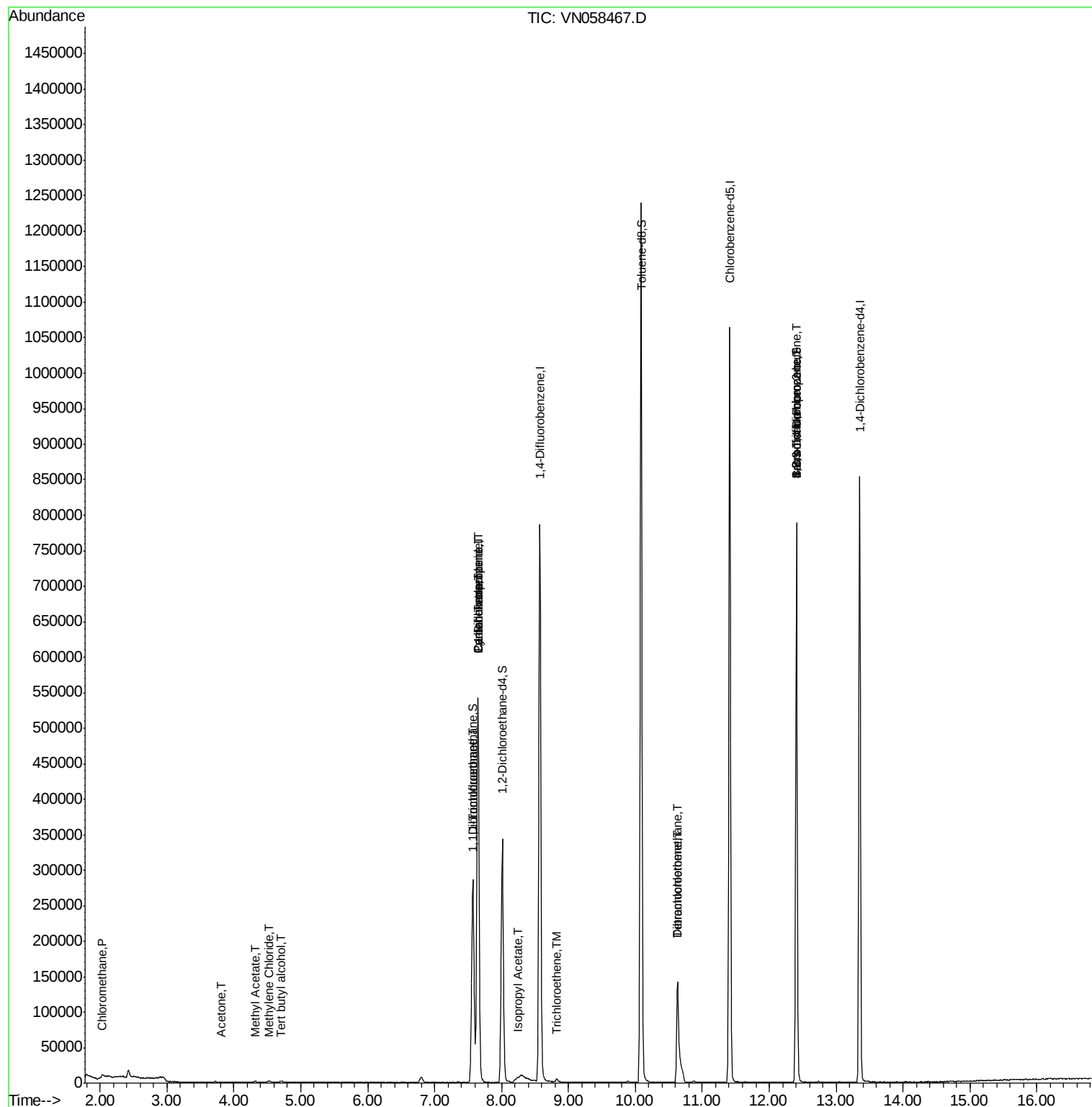
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2189	0.433	ug/l	96
11) Tert butyl alcohol	4.72	59	1243	1.826	ug/l #	71
16) Acetone	3.81	43	824	0.394	ug/l #	47
18) Methyl Acetate	4.32	43	2752	0.524	ug/l #	74
20) Methylene Chloride	4.52	84	1196	0.248	ug/l	90
31) Cyclohexane	7.65	56	11019	1.299	ug/l #	7
32) 1,1,1-Trichloroethane	7.55	97	7875	1.085	ug/l #	51
36) 1,1-Dichloropropene	7.64	75	37599	5.706	ug/l #	50
38) Carbon Tetrachloride	7.65	117	43535	7.320	ug/l #	16
43) Isopropyl Acetate	8.24	43	8088	0.770	ug/l #	63
44) Trichloroethene	8.83	130	1847	0.395	ug/l	89
60) Dibromochloromethane	10.63	129	44664	9.488	ug/l #	11
64) Tetrachloroethene	10.63	164	45505	12.449	ug/l	98
71) Bromoform	12.40	173	859	1.013	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	146786	36.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	146786	111.965	ug/l #	7

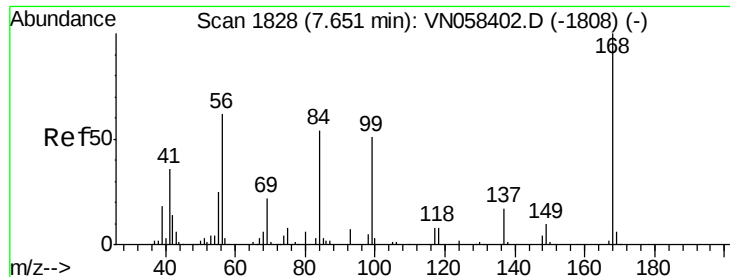
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

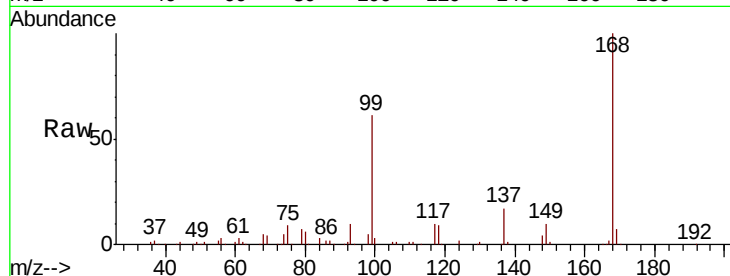
I.BLK

Tot Ion:168 Resp: 419408

Ion Ratio Lower Upper

168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

0

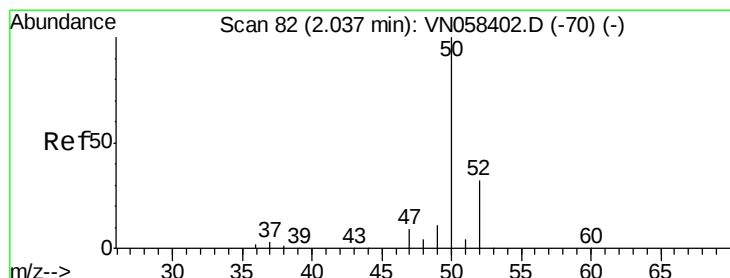
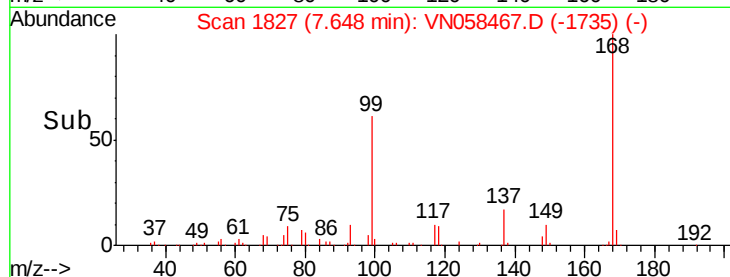
7.65

7.60

7.70

7.80

Time-->



#3

Chloromethane

Concen: 0.433 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058467.D

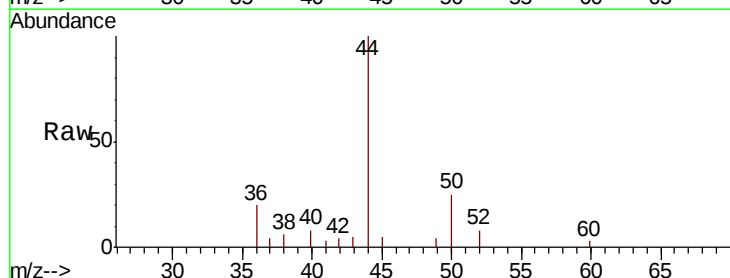
Acq: 1 Oct 2019 16:40

Tgt Ion: 50 Resp: 2189

Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

1500

1000

500

0

2.03

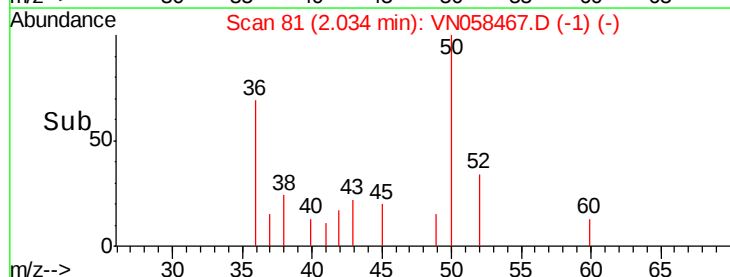
2.00

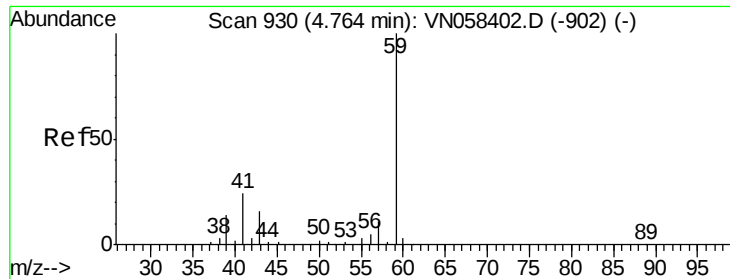
2.02

2.04

2.06

Time-->

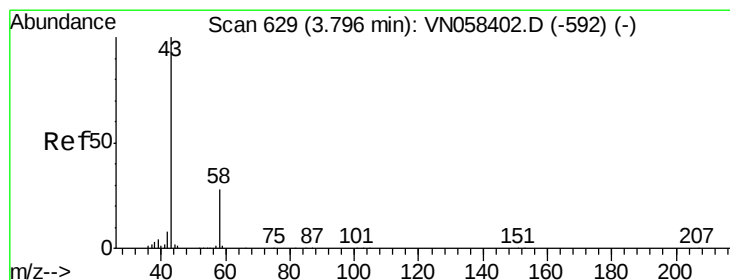
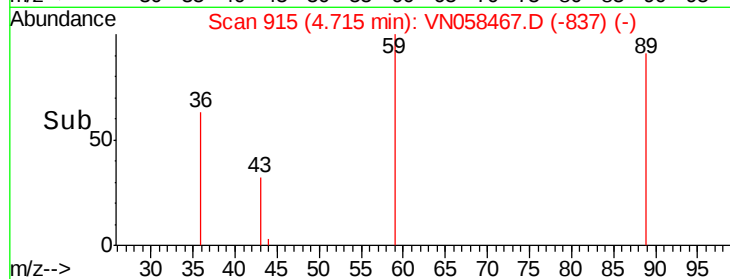
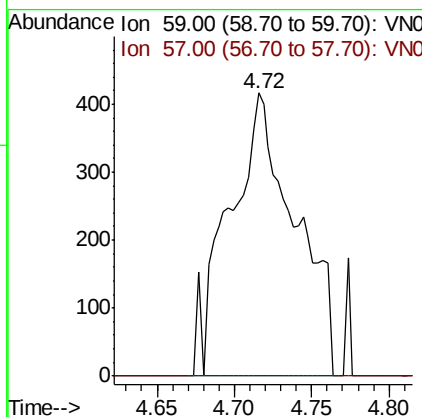
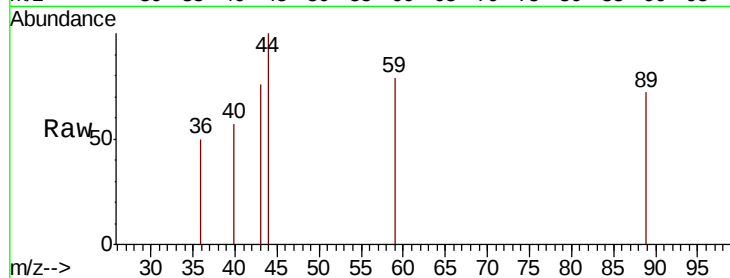




#11
Tert butyl alcohol
Concen: 1.826 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.05 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

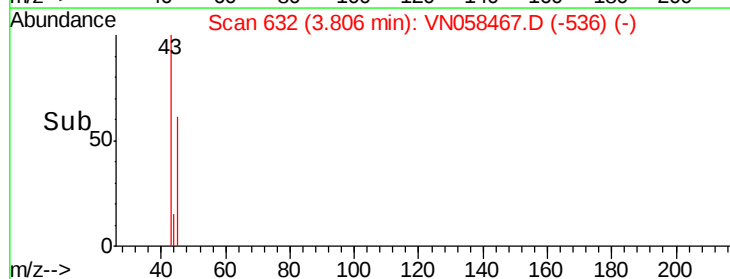
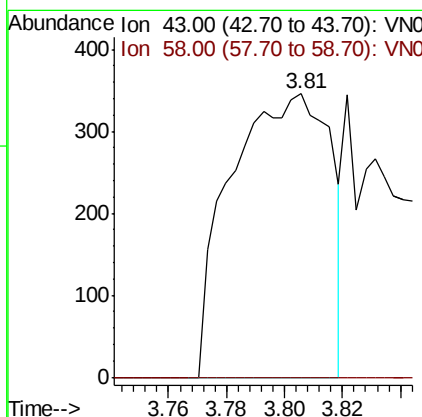
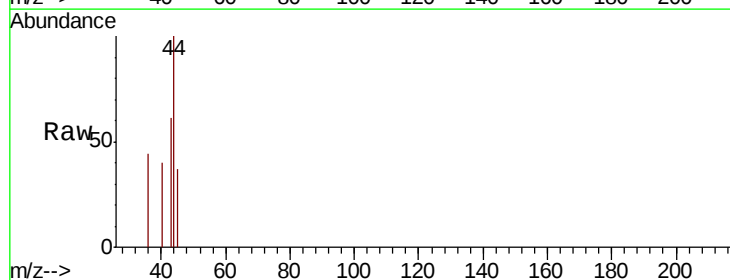
Instrument :
MSVOA_N
ClientSampled :
I.BLK

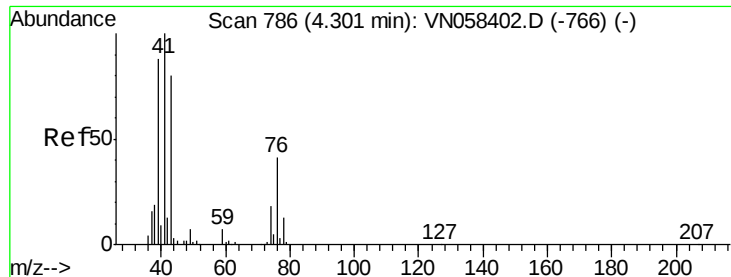
Tot Ion: 59.00 (58.70 to 59.70): VN0
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 0.394 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#

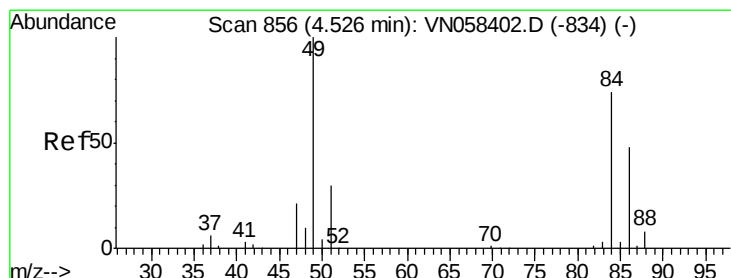
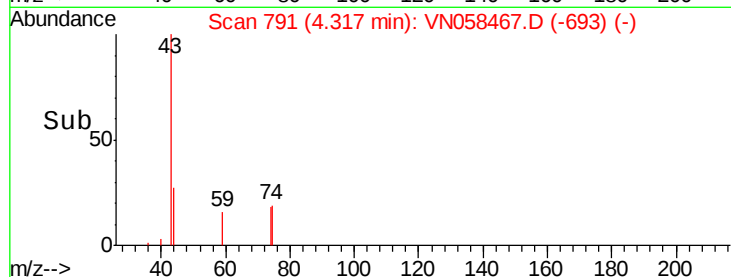
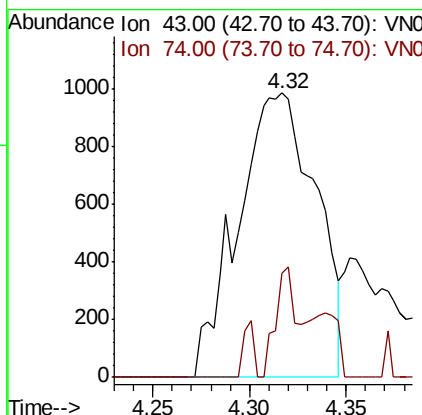
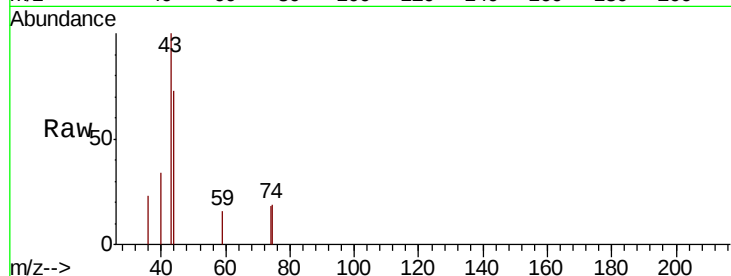




#18
Methyl Acetate
Concen: 0.524 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

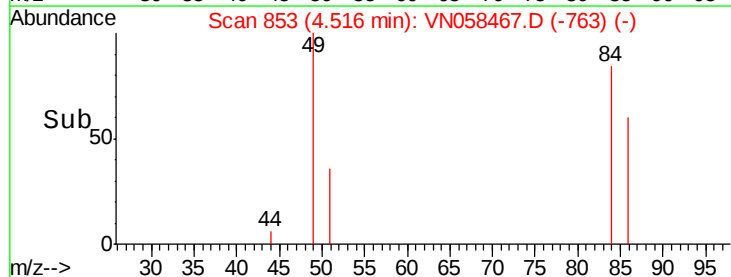
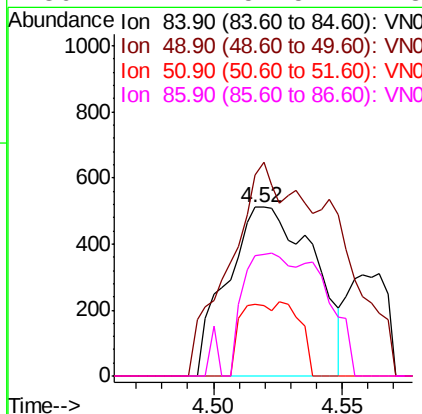
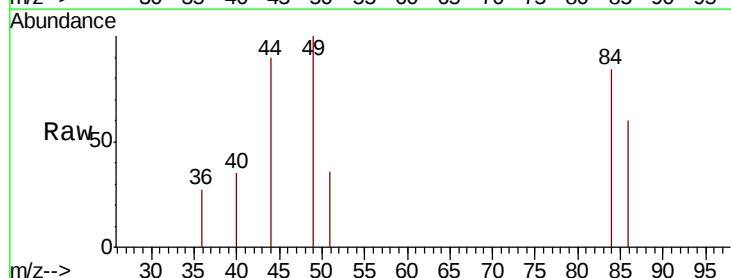
Instrument :
MSVOA_N
ClientSampled :
I.BLK

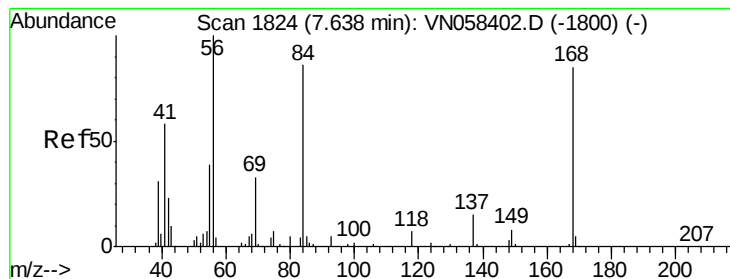
Tot Ion: 43 Resp: 2752
Ion Ratio Lower Upper
43 100
74 9.9 18.0 27.0#



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

Tgt Ion: 84 Resp: 1196
Ion Ratio Lower Upper
84 100
49 119.4 107.9 161.9
51 42.9 32.8 49.2
86 71.4 51.5 77.3





#31

Cyclohexane

Concen: 1.299 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

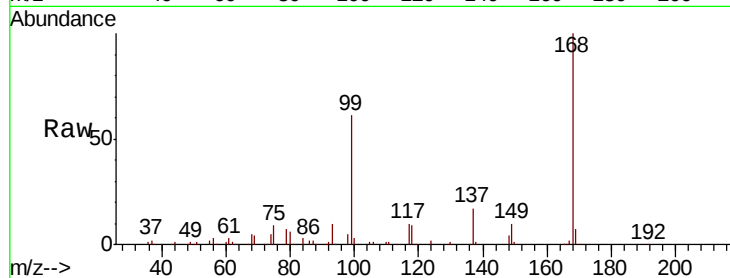
Tot Ion: 56 Resp: 11019

Ion Ratio Lower Upper

56 100

69 161.2 26.2 39.4#

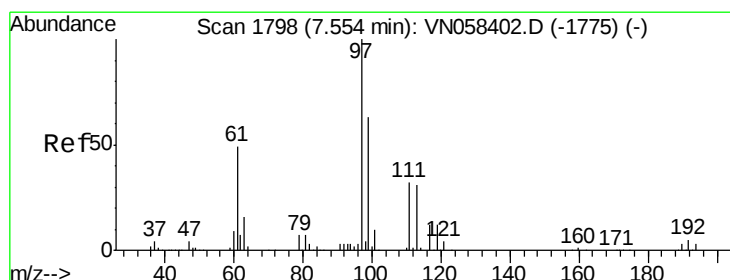
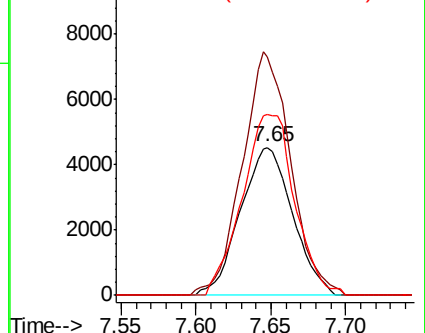
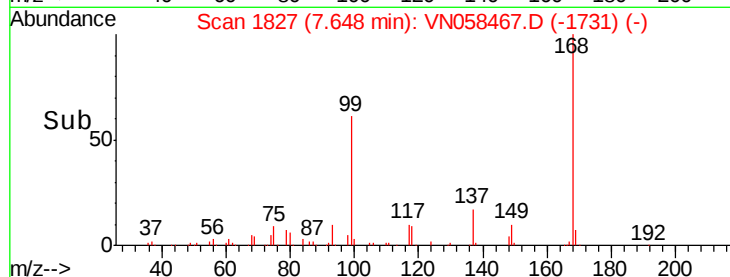
84 122.1 67.6 101.4#



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



#32

1,1,1-Trichloroethane

Concen: 1.085 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

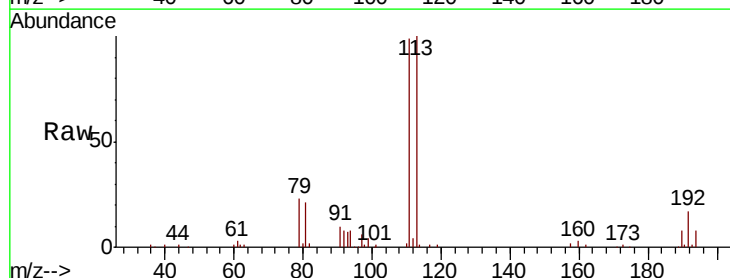
Tgt Ion: 97 Resp: 7875

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

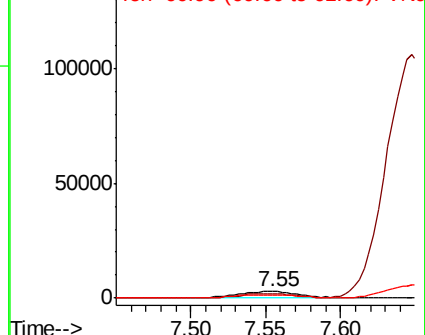
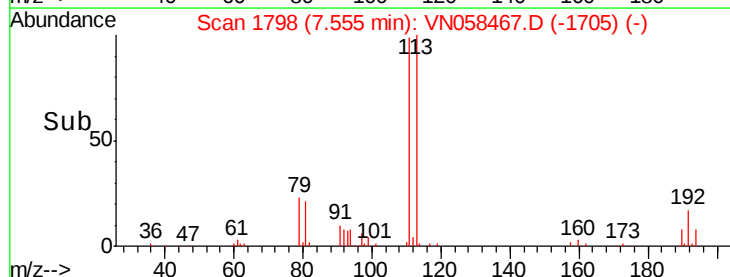
61 52.6 39.2 58.8

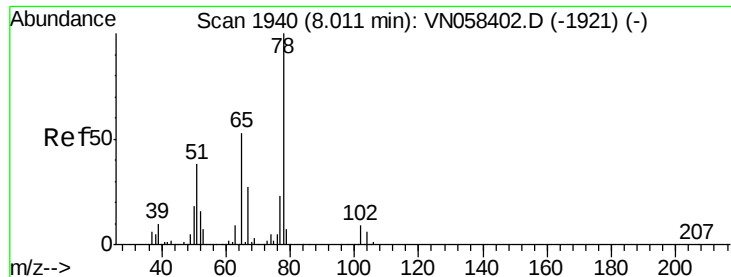


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

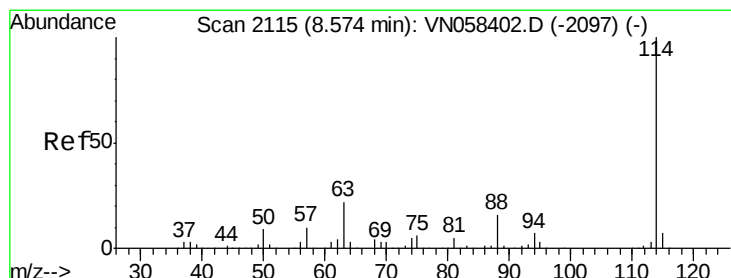
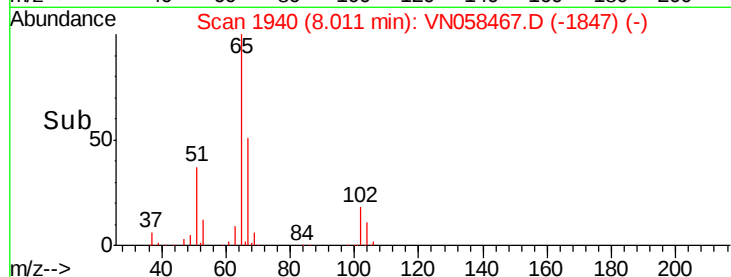
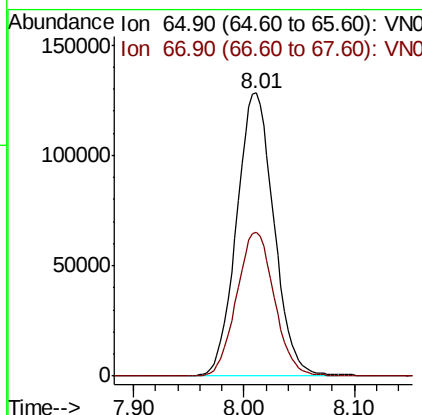
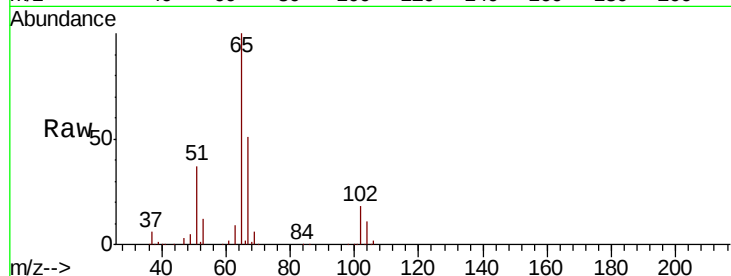




#33
 1,2-Dichloroethane-d4
 Concen: 48.970 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

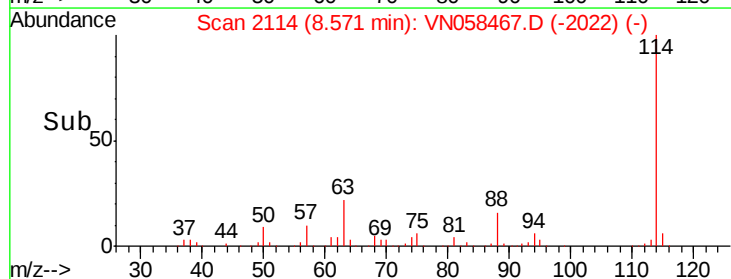
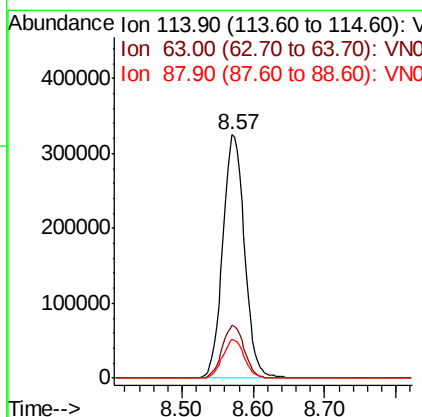
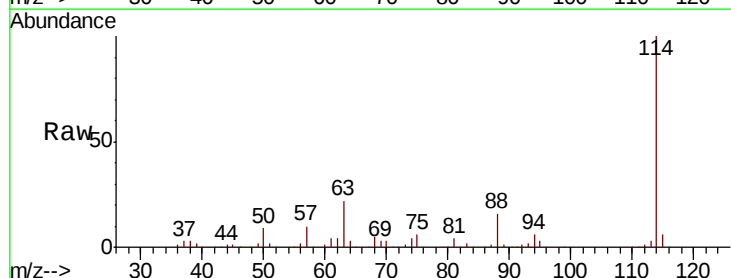
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

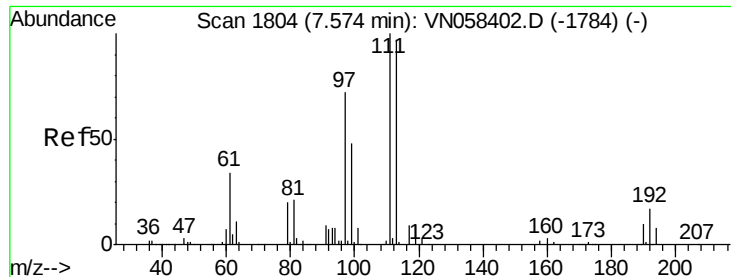
Tot Ion: 65 Resp: 300138
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

Tgt Ion: 114 Resp: 689104
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.0
 88 15.9 0.0 32.2

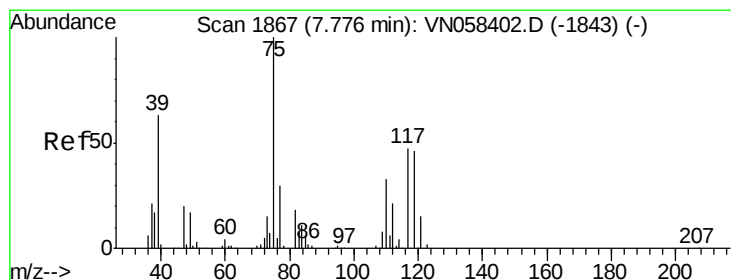
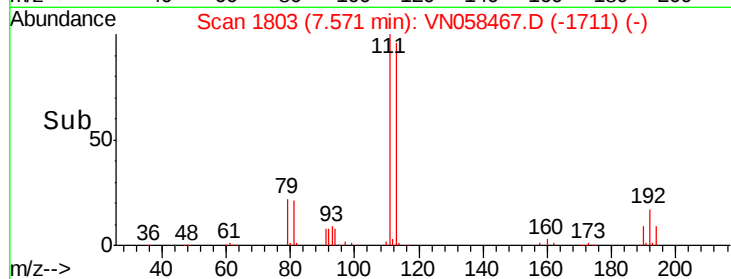
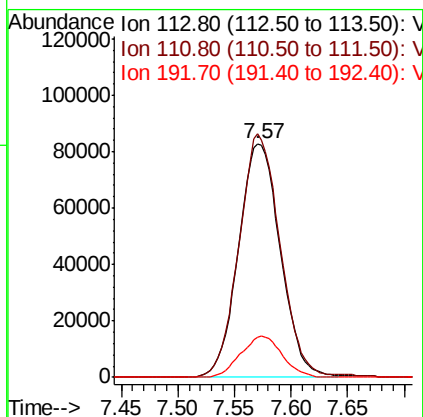
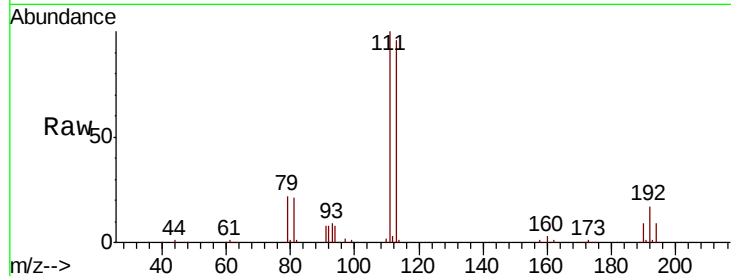




#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

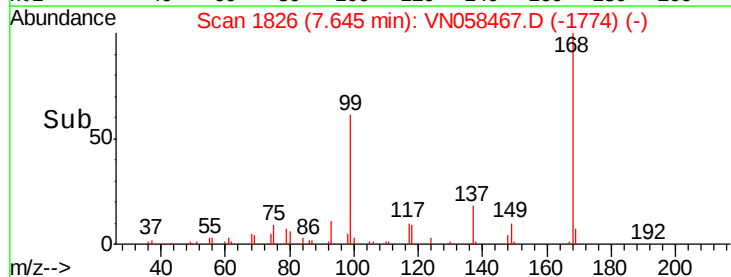
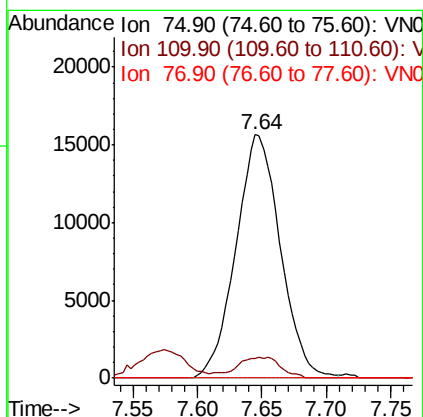
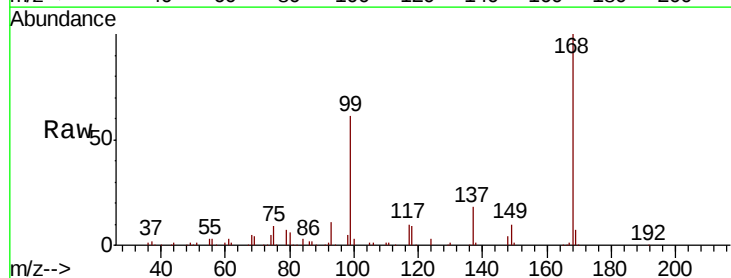
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

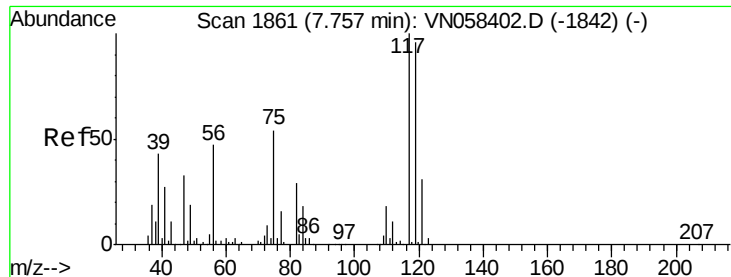
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.2
192	17.6	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.706 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.320 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampled :

I.BLK

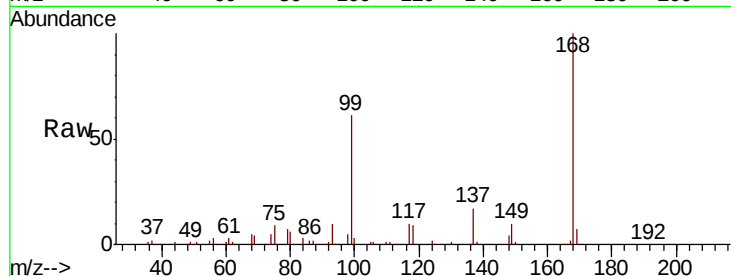
Tot Ion:117 Resp: 43535

Ion Ratio Lower Upper

117 100

119 4.5 76.6 115.0#

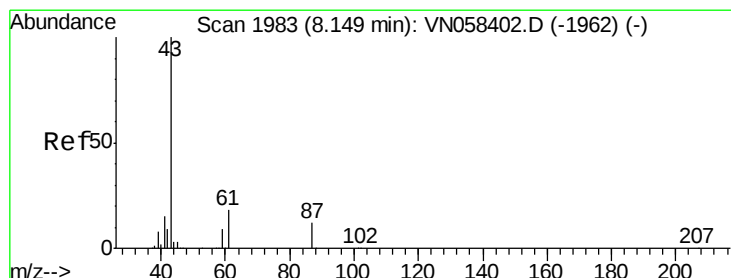
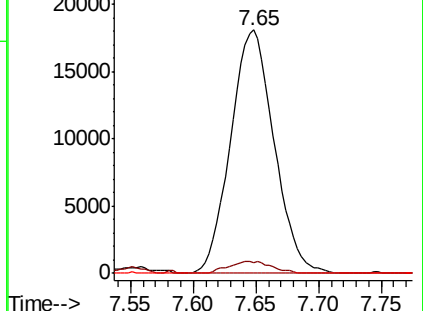
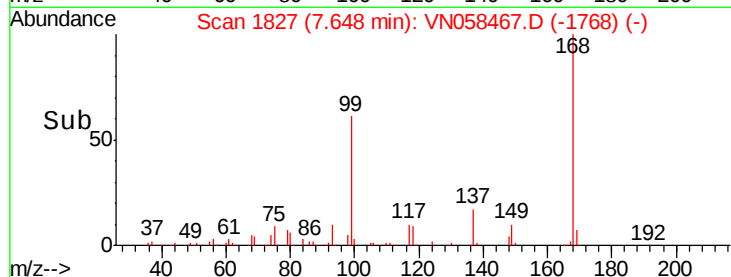
121 0.0 24.7 37.1#



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: 0.770 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.09 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

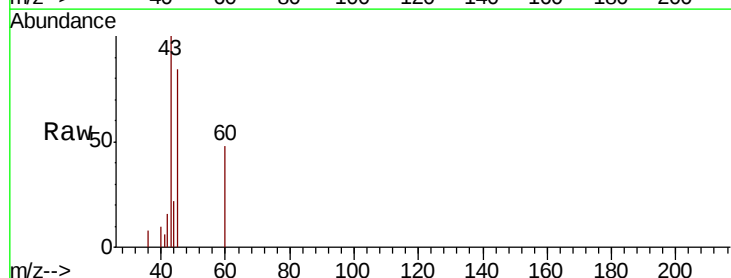
Tgt Ion: 43 Resp: 8088

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

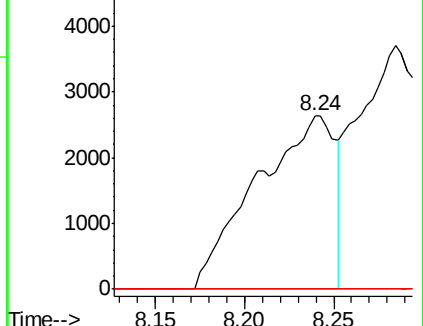
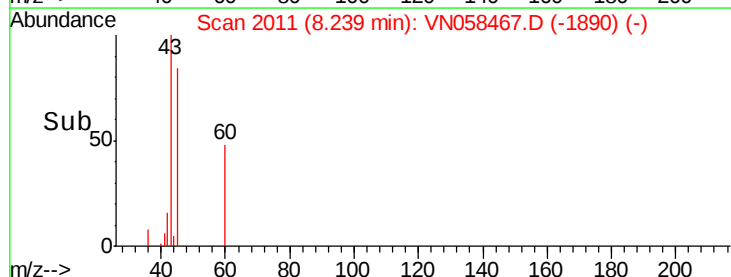
87 0.0 9.7 14.5#

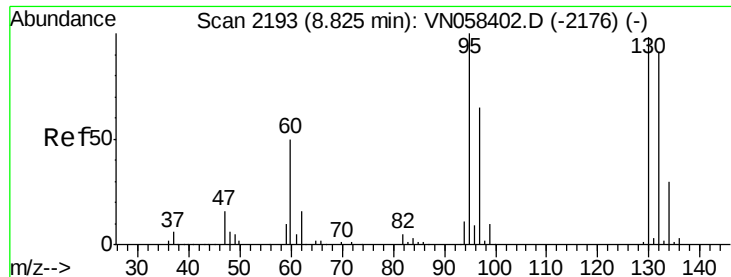


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

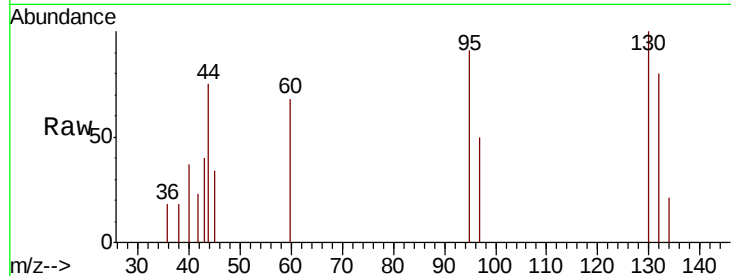




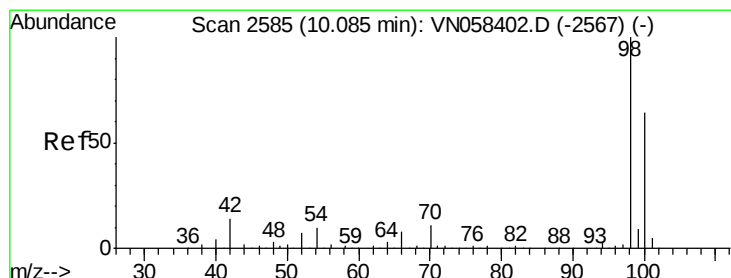
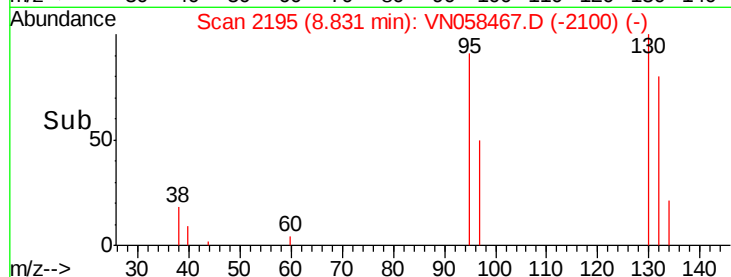
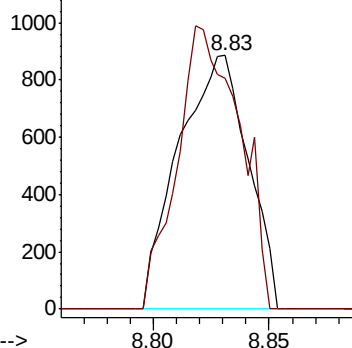
#44
 Trichloroethene
 Concen: 0.395 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:130 Resp: 1847
 Ion Ratio Lower Upper
 130 100
 95 90.8 0.0 204.2

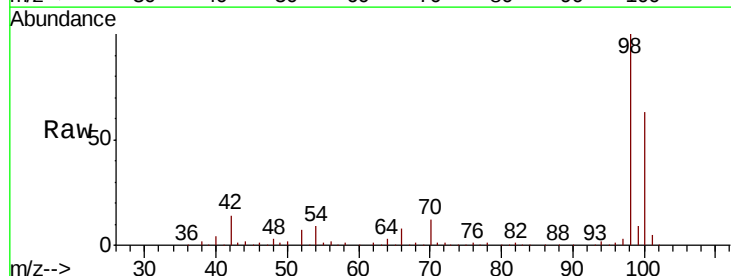


Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)
 Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)

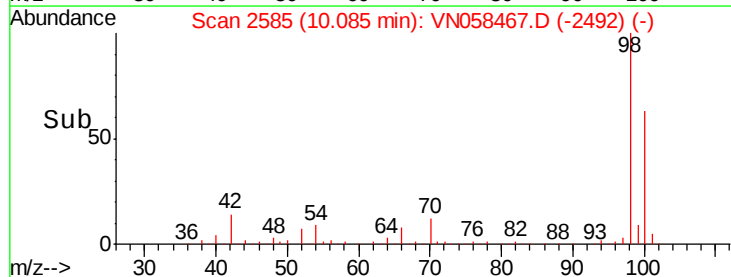
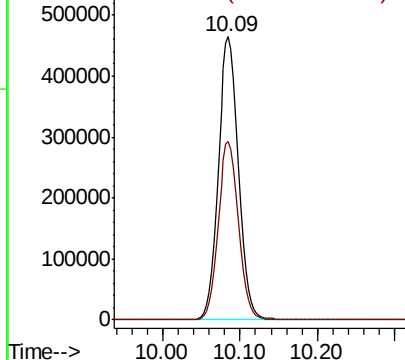


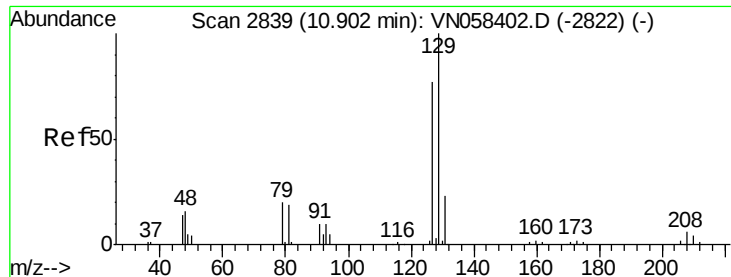
#50
 Toluene-d8
 Concen: 51.203 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

Tgt Ion: 98 Resp: 847159
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)
 Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

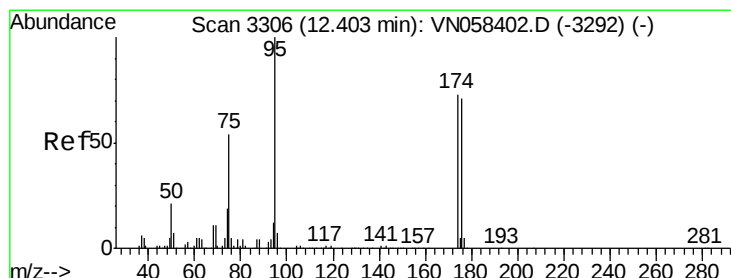
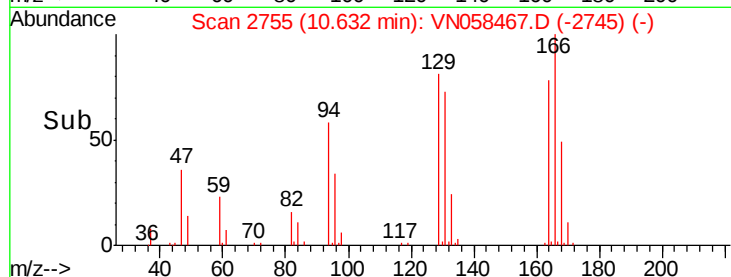
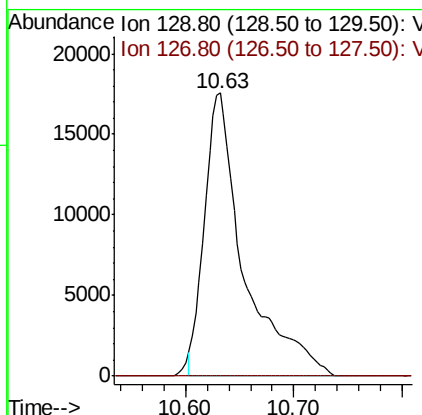
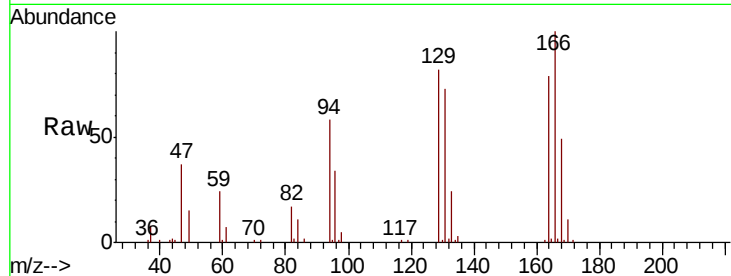




#60
 Dibromochloromethane
 Concen: 9.488 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

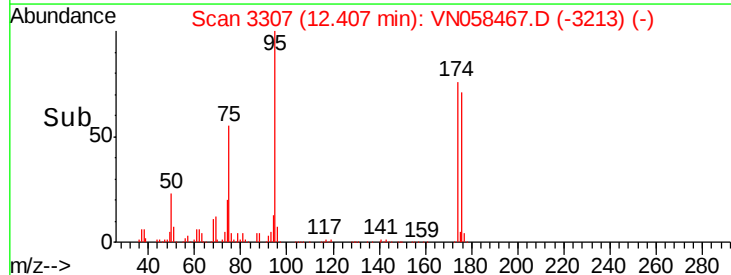
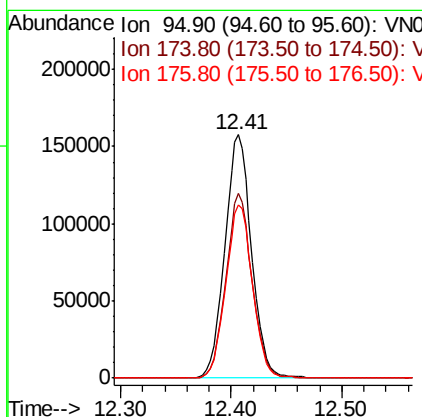
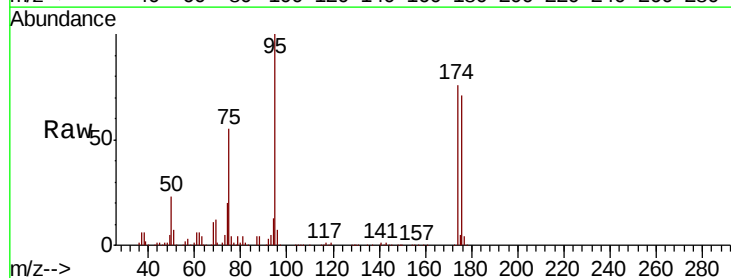
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

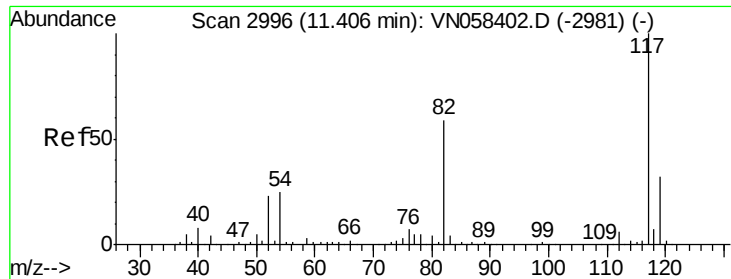
Tot Ion:129 Resp: 44664
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



#62
 4-Bromofluorobenzene
 Concen: 44.059 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058467.D
 Acq: 1 Oct 2019 16:40

Tgt Ion: 95 Resp: 263577
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.6
 176 71.3 0.0 146.2

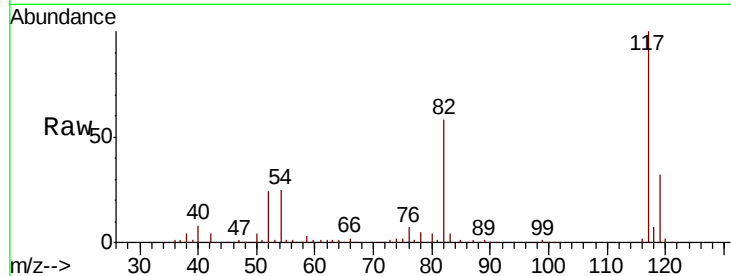




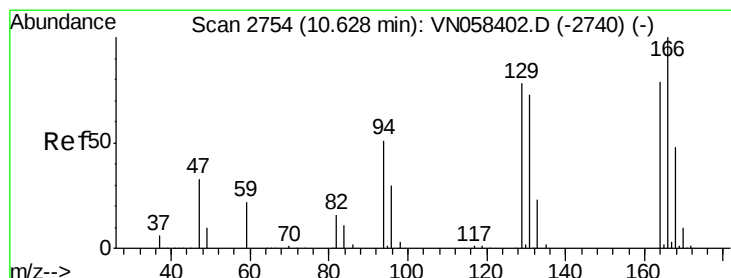
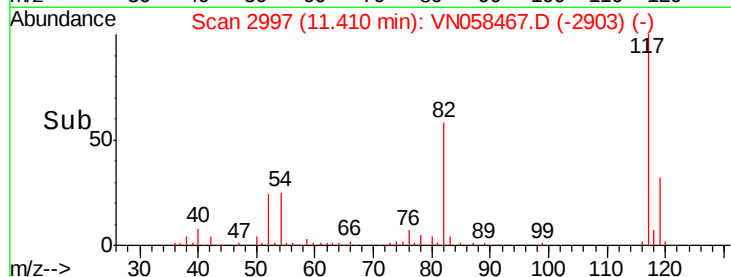
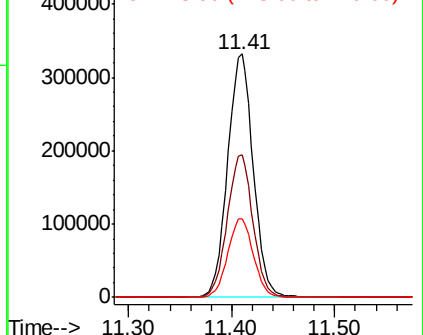
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion:117 Resp: 575350
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.0
119 32.4 25.5 38.3

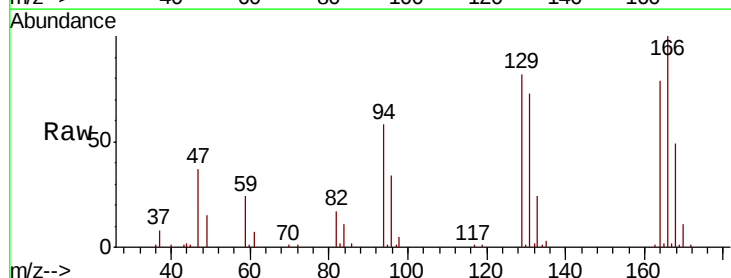


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

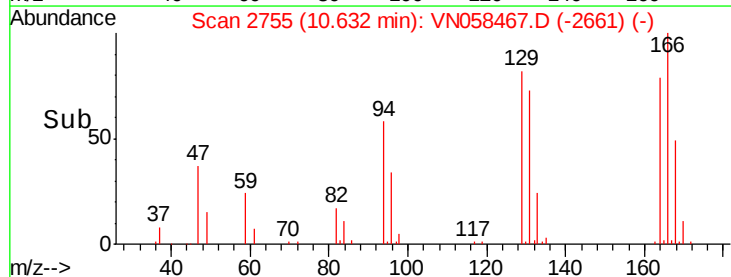
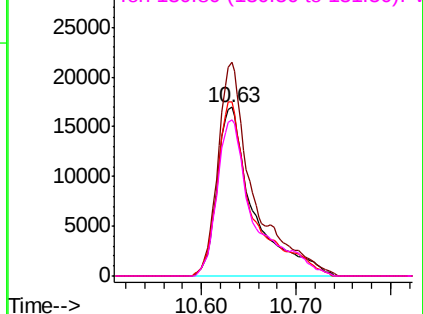


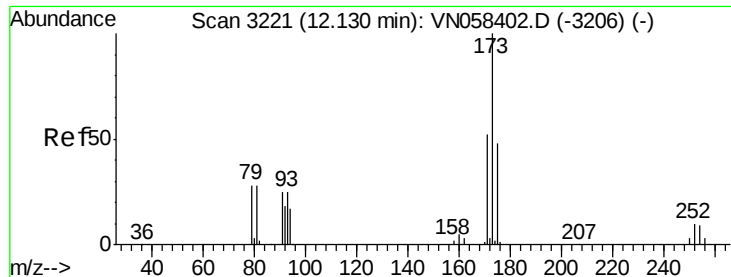
#64
Tetrachloroethene
Concen: 12.449 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058467.D
Acq: 1 Oct 2019 16:40

Tgt Ion:164 Resp: 45505
Ion Ratio Lower Upper
164 100
166 126.8 101.1 151.7
129 103.7 79.2 118.8
131 93.1 74.1 111.1



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: 1.013 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampled :

I.BLK

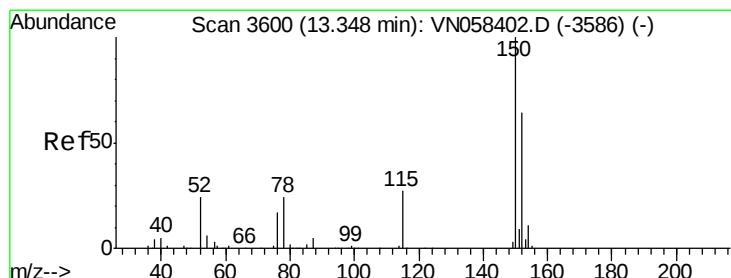
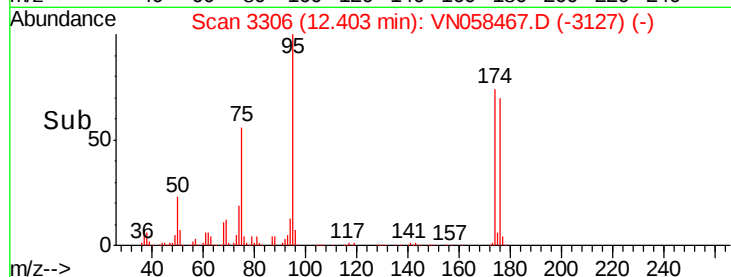
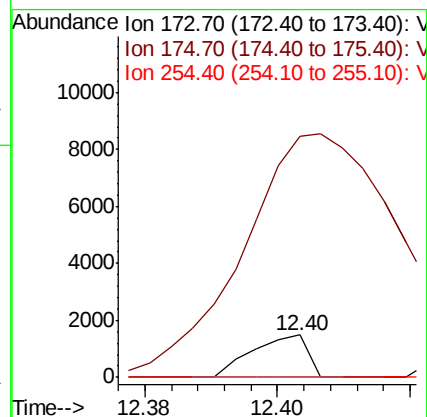
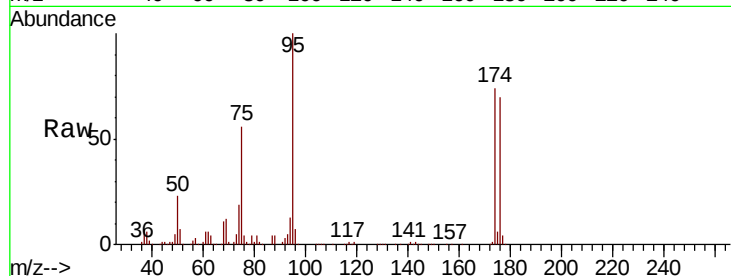
Tot Ion:173 Resp: 859

Ion Ratio Lower Upper

173 100

175 1381.1 24.3 73.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

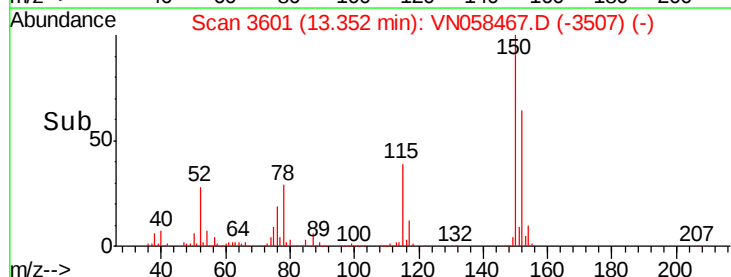
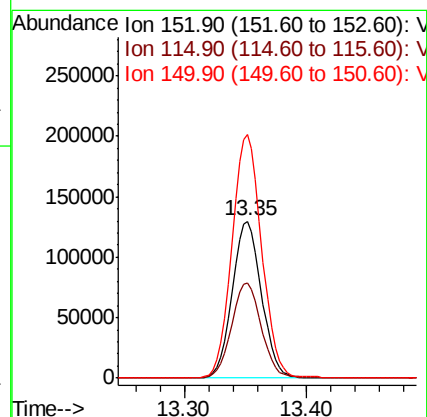
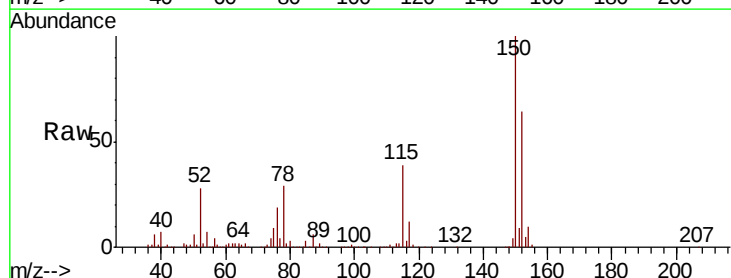
Tgt Ion:152 Resp: 217993

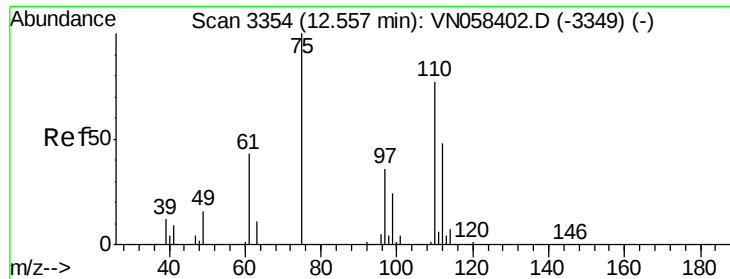
Ion Ratio Lower Upper

152 100

115 61.6 30.0 90.0

150 156.6 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 36.866 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

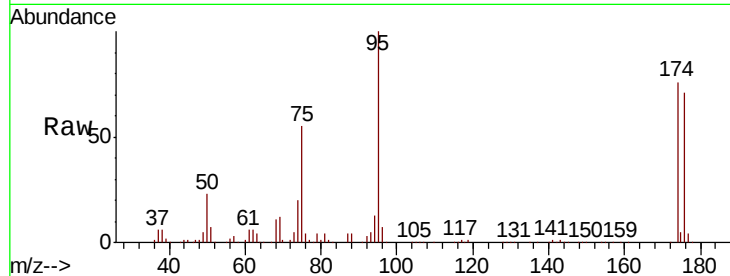
I.BLK

Tot Ion: 75 Resp: 146786

Ion Ratio Lower Upper

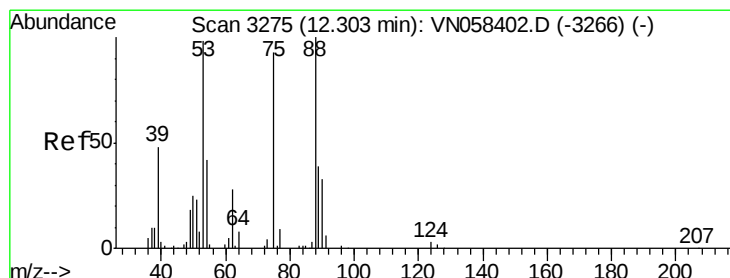
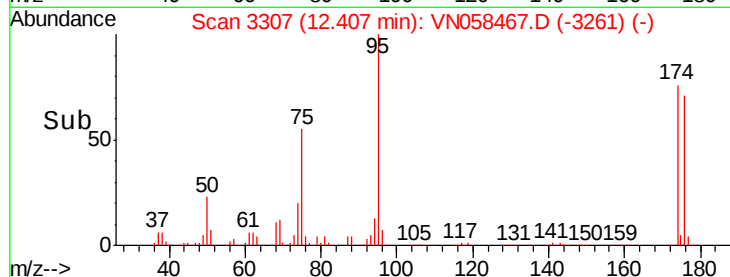
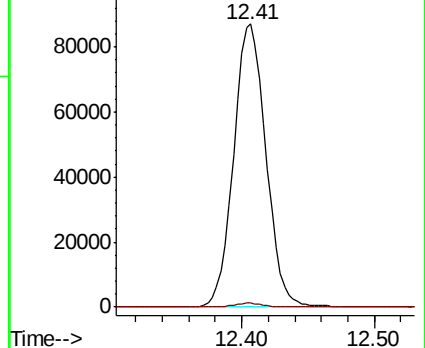
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 111.965 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058467.D

Acq: 1 Oct 2019 16:40

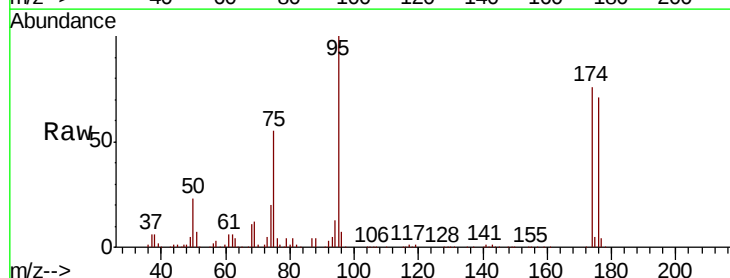
Tgt Ion: 75 Resp: 146786

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

