

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012988.D
 Acq On : 10 Oct 2019 12:14
 Operator : JC/SP
 Sample : K5261-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2019-9

Quant Time: Oct 11 04:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	114572	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.49	113	87708	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	8.71	98	344246	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.14	95	114406	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

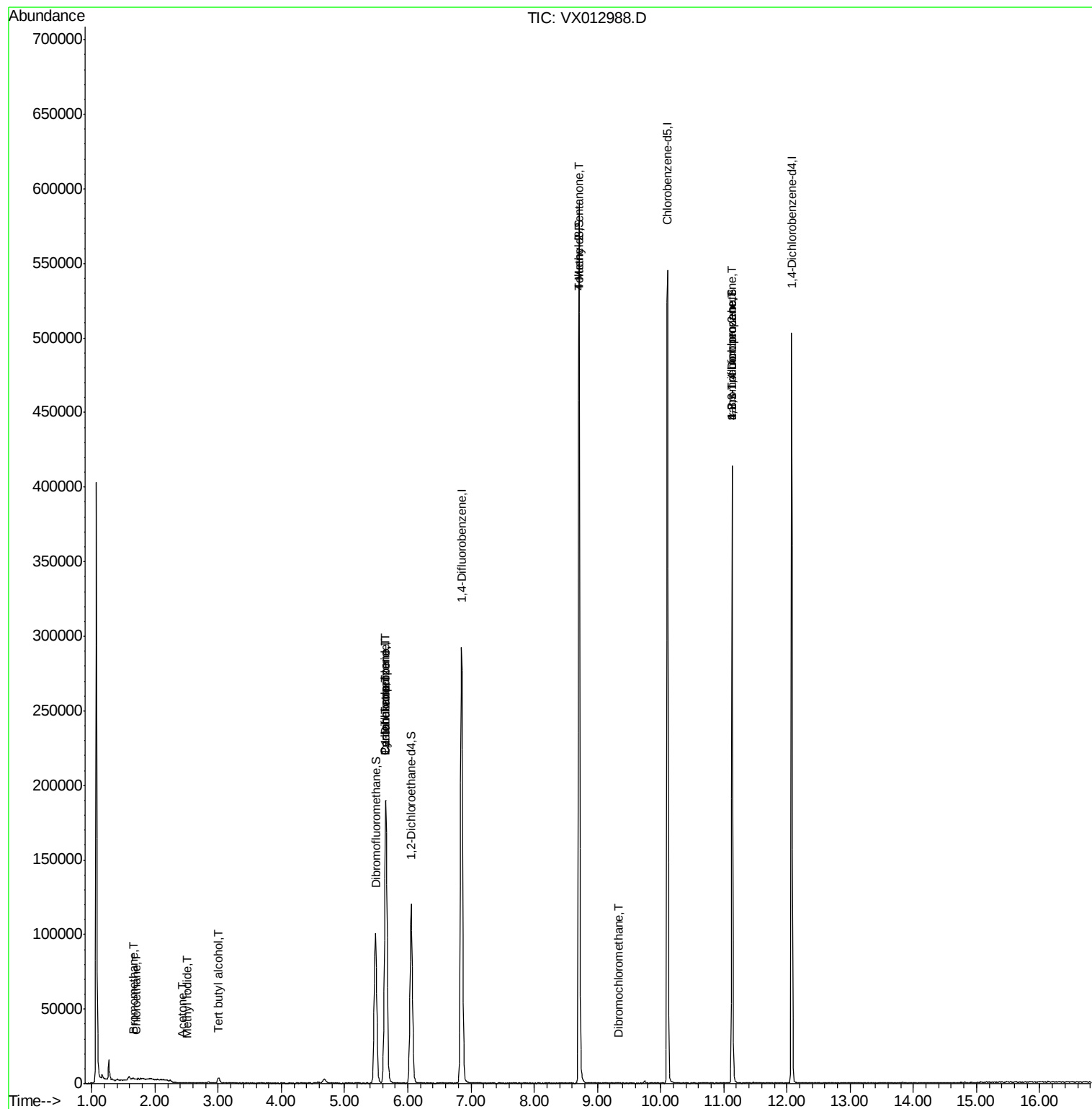
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	346	0.413	ug/l #	73
6) Chloroethane	1.70	64	233	0.556	ug/l #	43
10) Methyl Iodide	2.50	142	230	5.185	ug/l #	40
11) Tert butyl alcohol	3.00	59	2663	4.568	ug/l #	72
16) Acetone	2.43	43	242	0.209	ug/l #	43
31) Cyclohexane	5.65	56	3771	1.181	ug/l #	11
36) 1,1-Dichloropropene	5.64	75	13936	5.389	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18222	7.239	ug/l #	19
51) 4-Methyl-2-Pentanone	8.71	43	1572	0.543	ug/l #	1
60) Dibromochloromethane	9.33	129	19	1.865	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	57939	26.611	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	57939	66.923	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

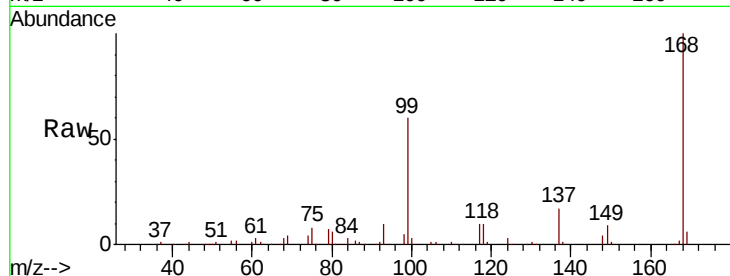
S49-TB-2019-9

Tot Ion:168 Resp: 175952

Ion Ratio Lower Upper

168 100

99 60.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

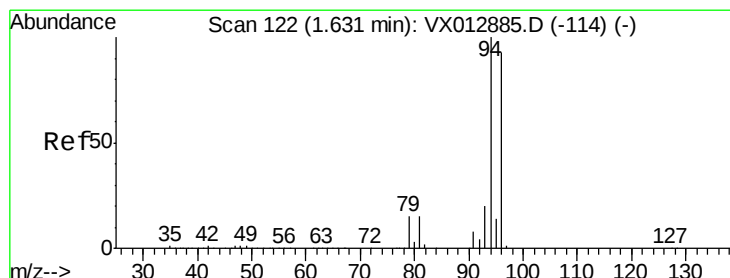
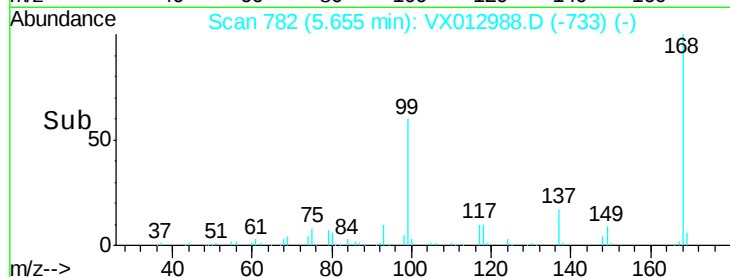
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.413 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012988.D

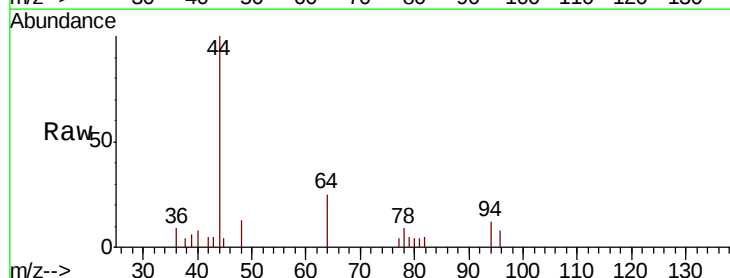
Acq: 10 Oct 2019 12:14

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 67.4 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

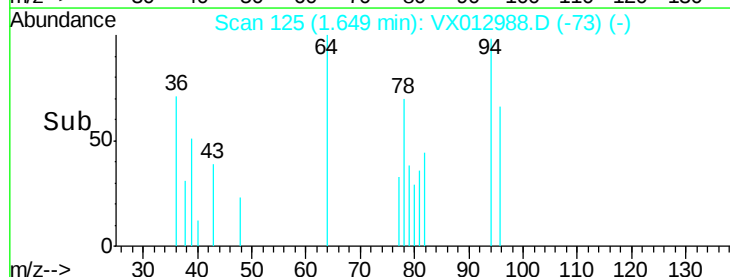
150

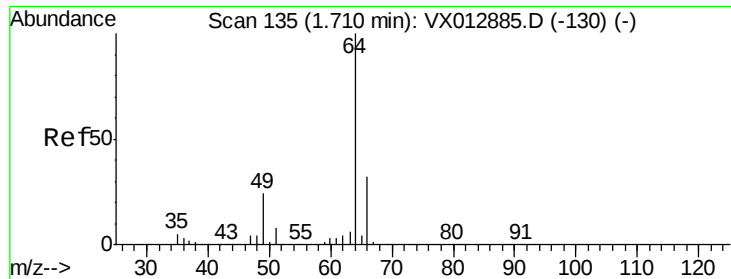
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.556 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

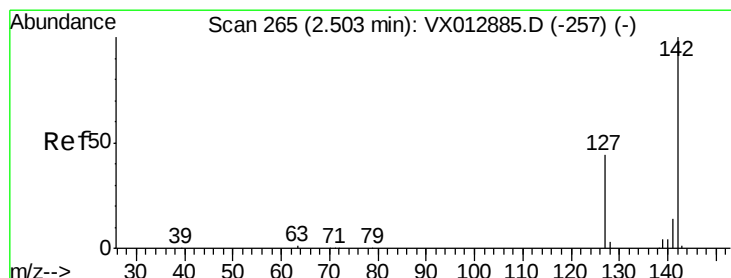
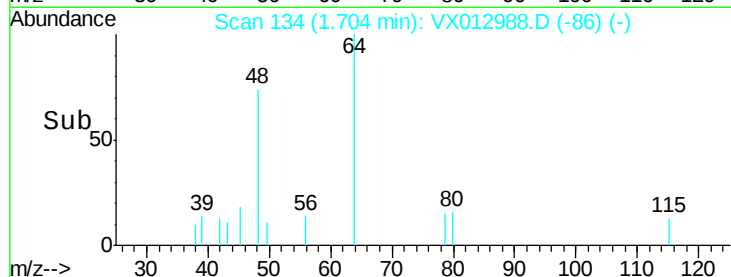
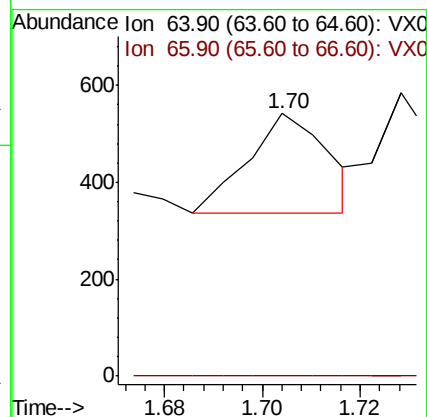
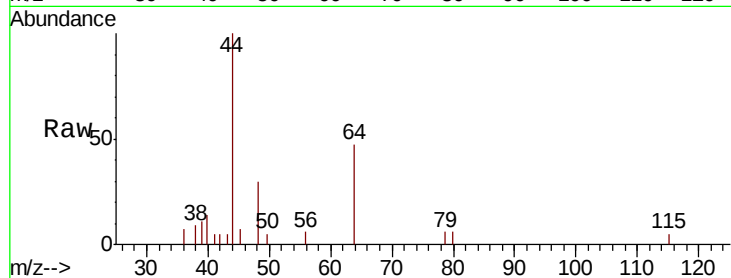
S49-TB-2019-9

Tot Ion: 64 Resp: 233

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.185 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

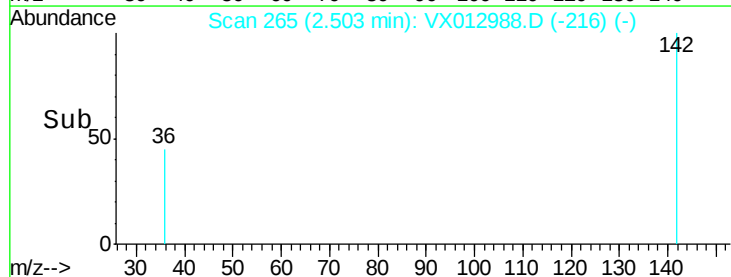
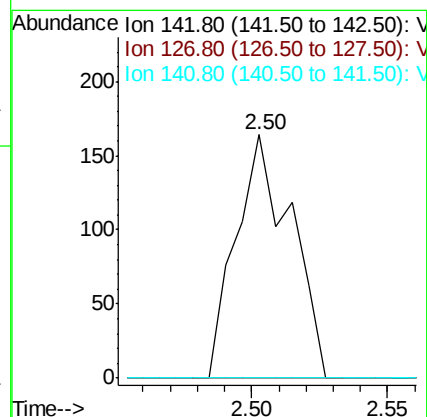
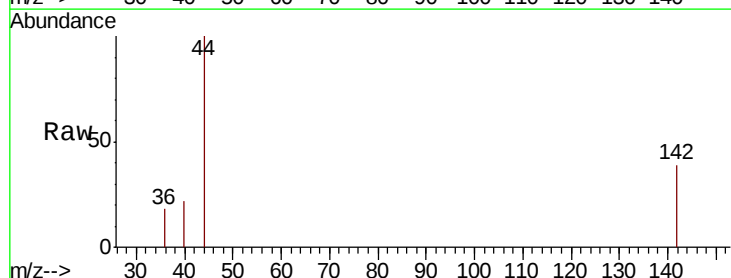
Tgt Ion: 142 Resp: 230

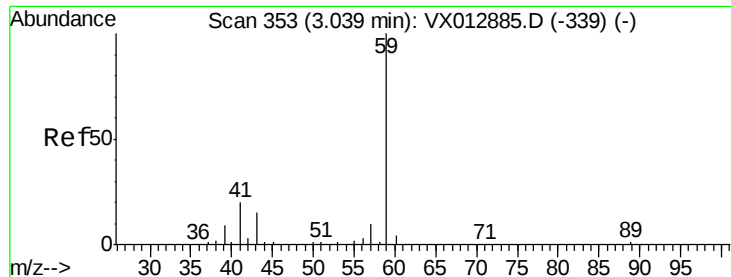
Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#

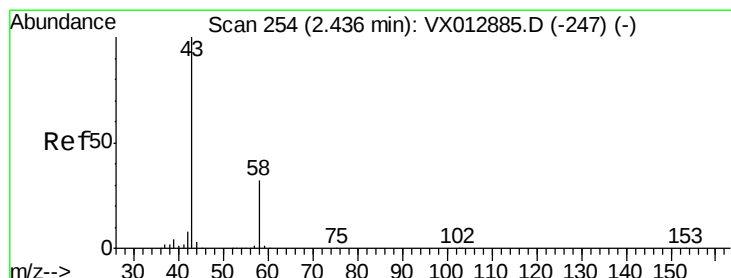
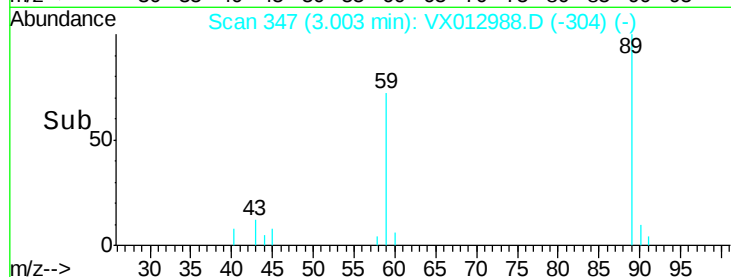
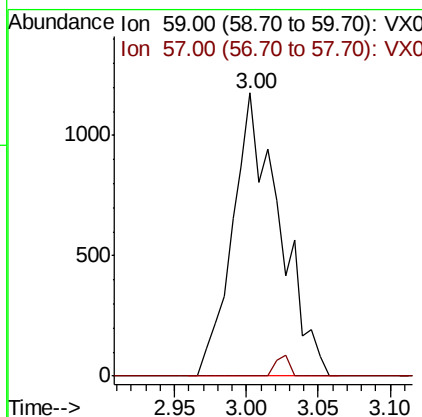
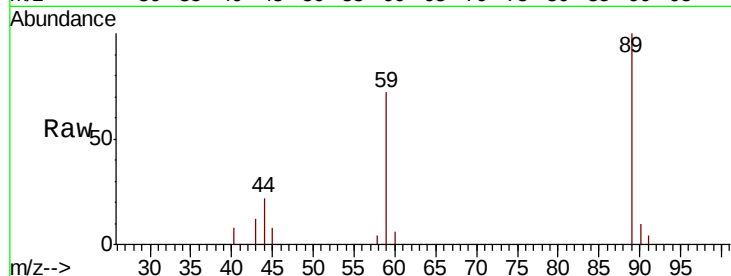




#11
Tert butyl alcohol
Concen: 4.568 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

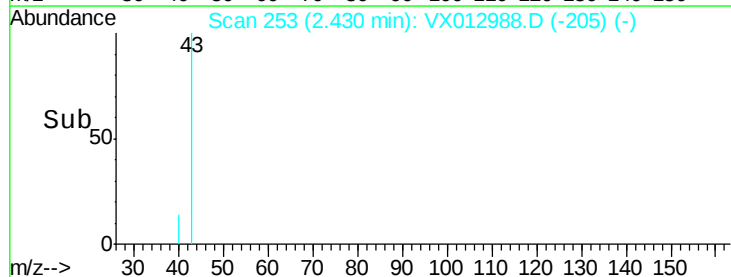
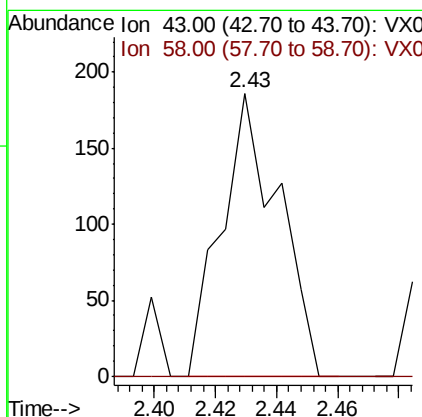
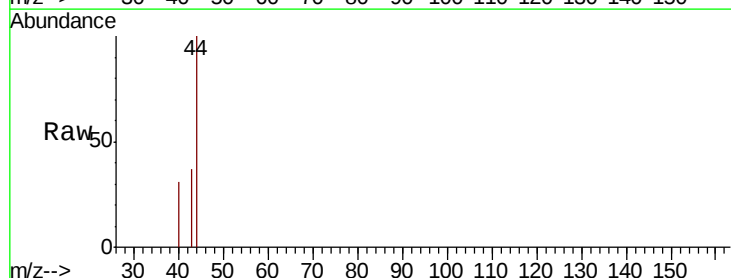
Instrument :
MSVOA_X
ClientSampled :
S49-TB-2019-9

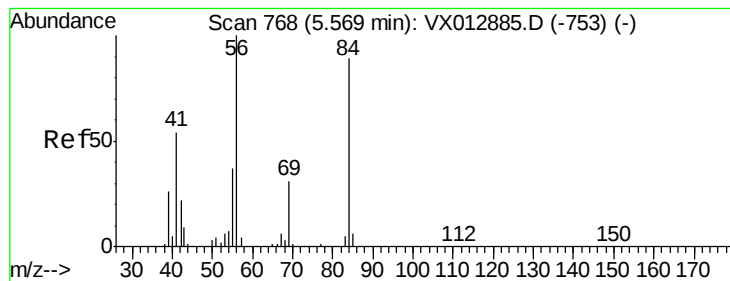
Tot Ion: 59 Resp: 2663
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.209 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

S49-TB-2019-9

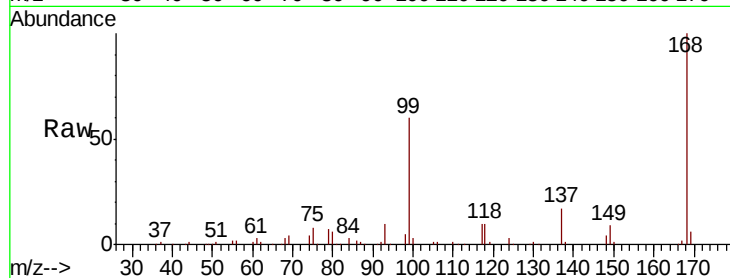
Tot Ion: 56 Resp: 3771

Ion Ratio Lower Upper

56 100

69 157.0 25.2 37.8#

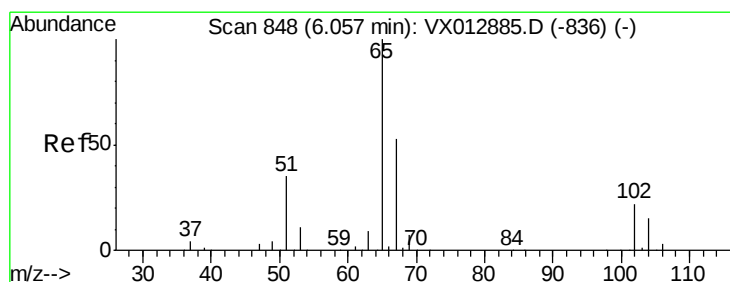
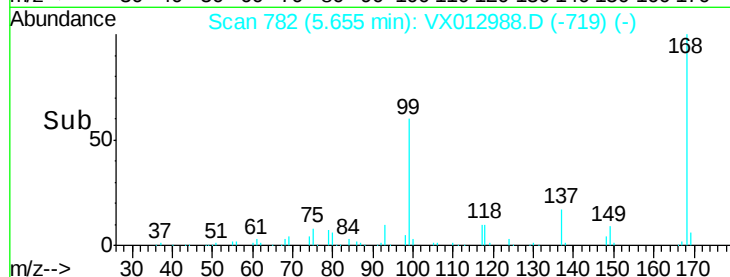
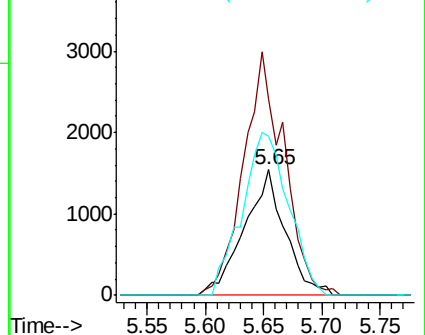
84 127.4 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.098 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012988.D

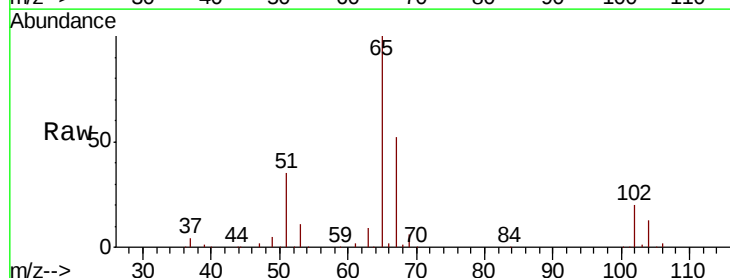
Acq: 10 Oct 2019 12:14

Tgt Ion: 65 Resp: 114572

Ion Ratio Lower Upper

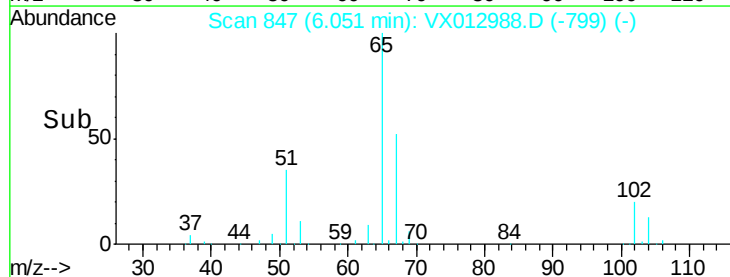
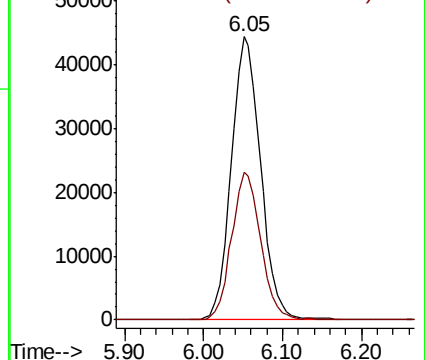
65 100

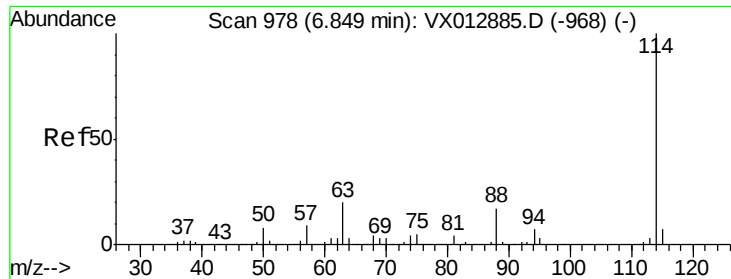
67 52.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

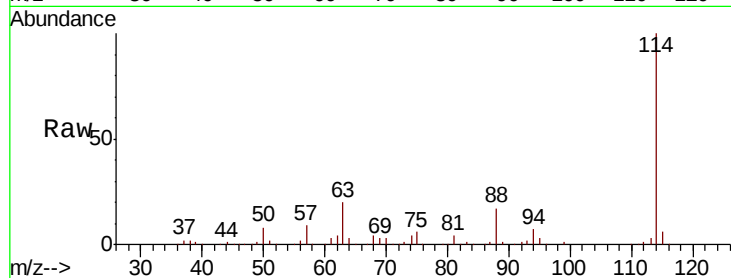




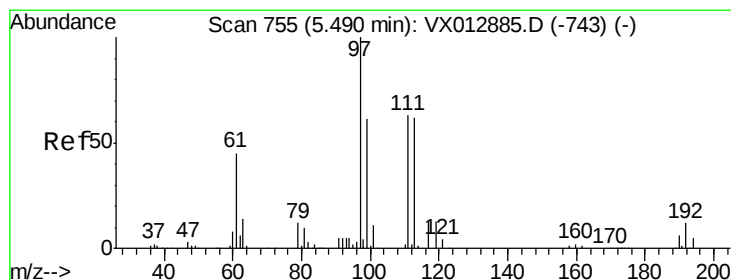
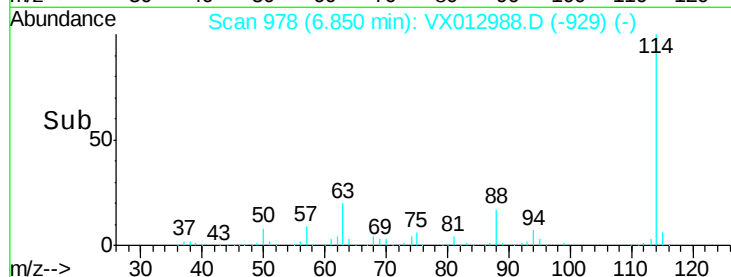
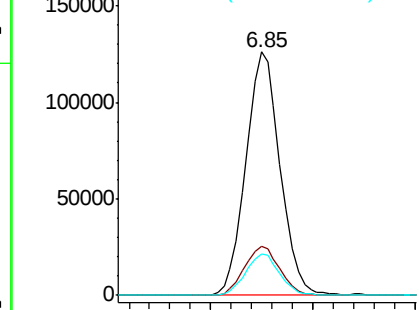
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012988.D
 Acq: 10 Oct 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2019-9

Tot Ion:114 Resp: 294133
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 17.1 0.0 33.8

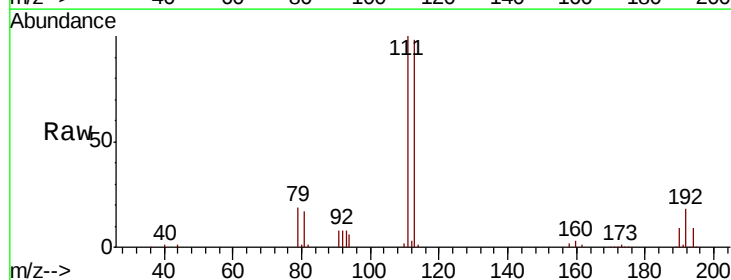


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

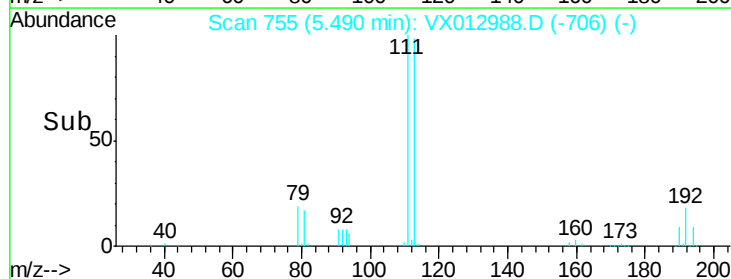
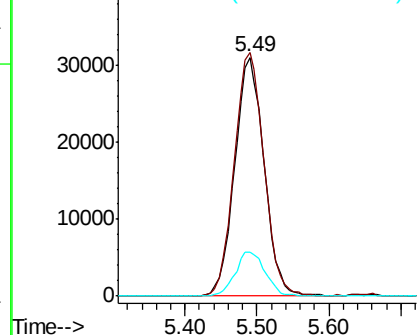


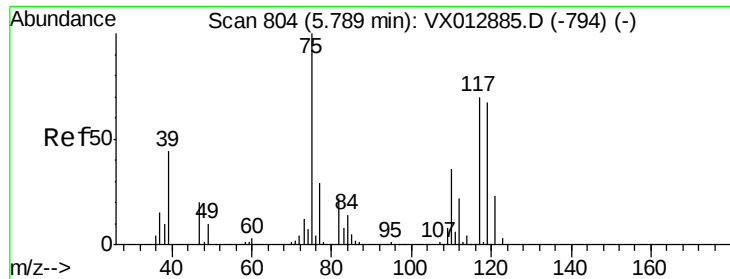
#35
 Dibromofluoromethane
 Concen: 51.955 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012988.D
 Acq: 10 Oct 2019 12:14

Tgt Ion:113 Resp: 87708
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.2 124.8
 192 18.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

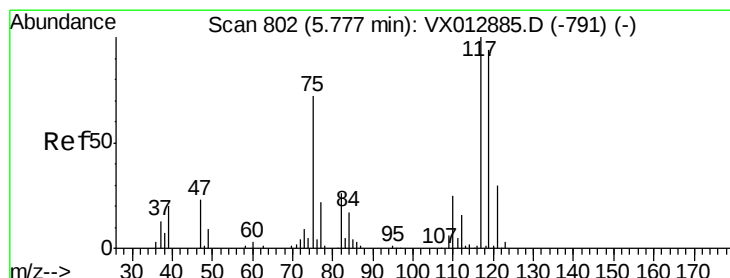
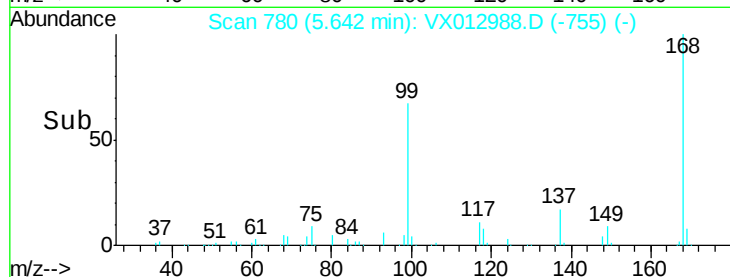
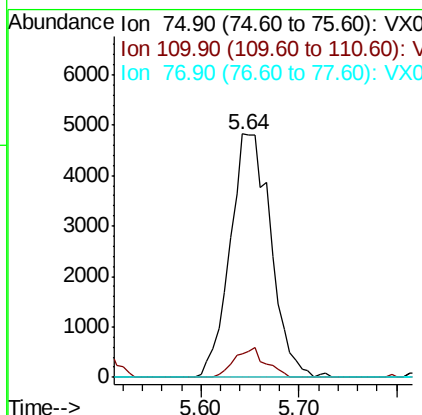
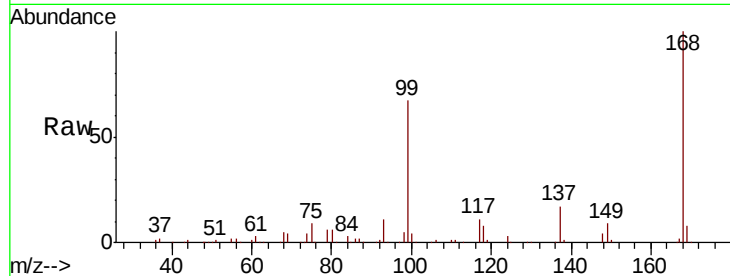




#36
 1,1-Dichloropropene
 Concen: 5.389 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012988.D
 Acq: 10 Oct 2019 12:14

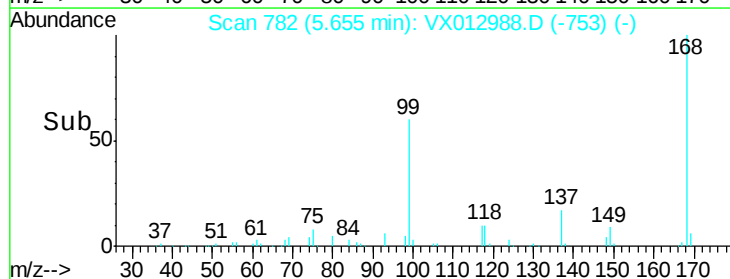
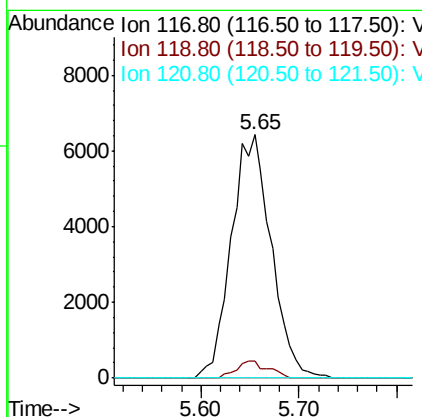
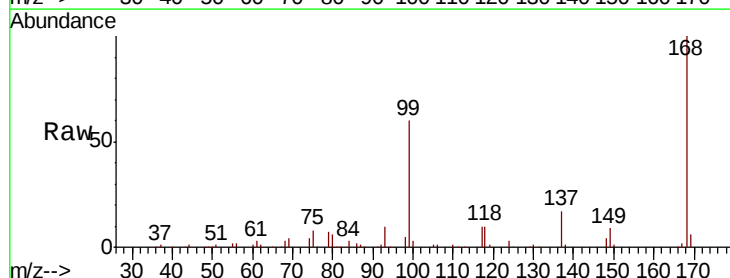
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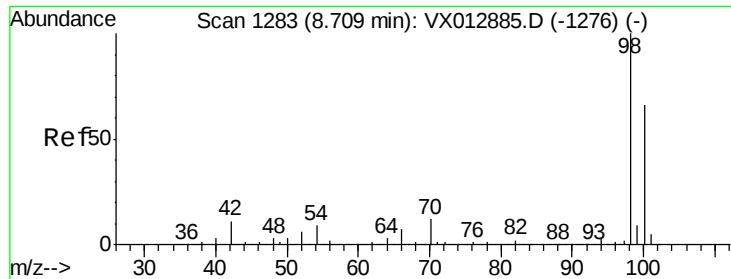
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.239 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012988.D
 Acq: 10 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	74.5	111.7#
121	0.0	24.2	36.4#

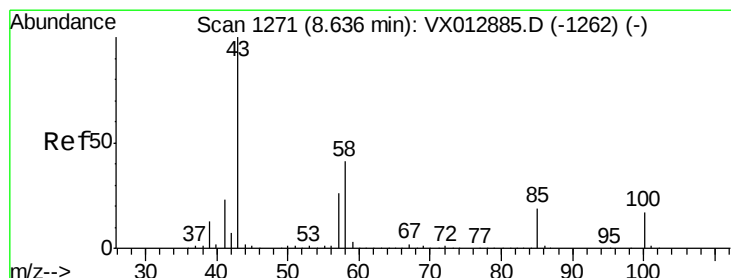
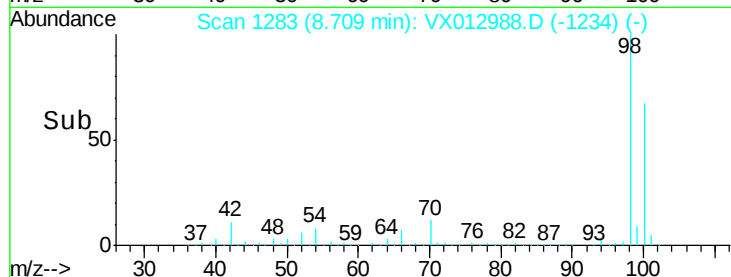
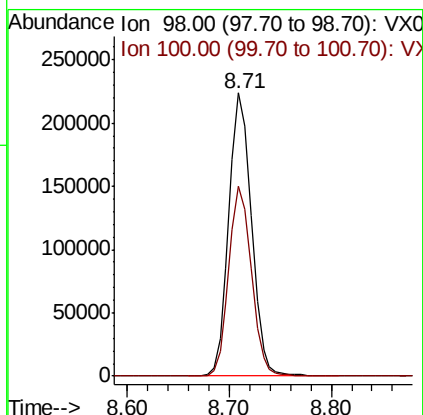
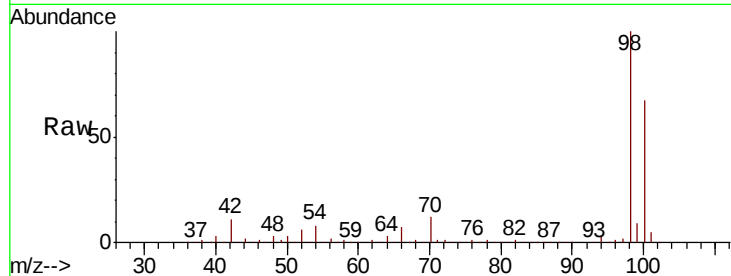




#50
Toluene-d8
Concen: 52.283 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

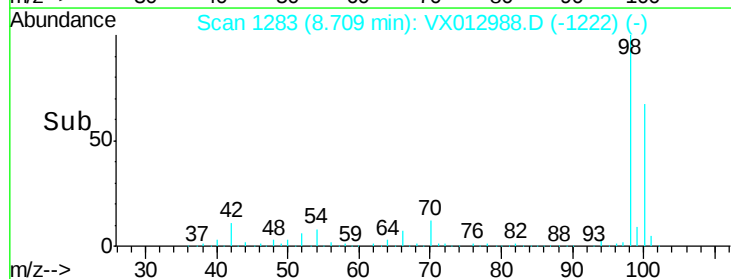
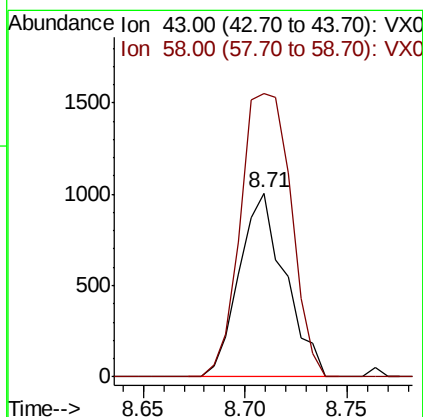
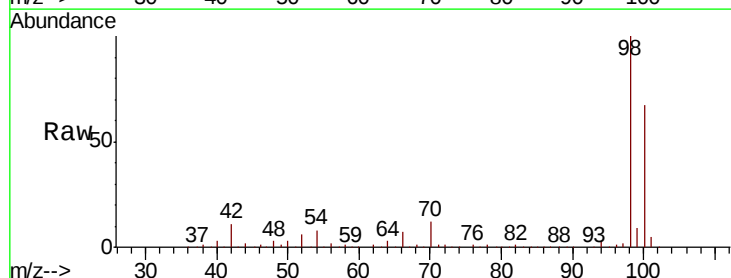
Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2019-9

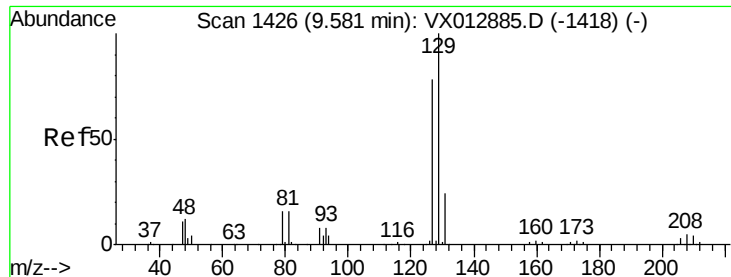
Tot Ion: 98 Resp: 344246
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.543 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 170.0 32.4 48.6#





#60

Dibromochloromethane

Concen: 1.865 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

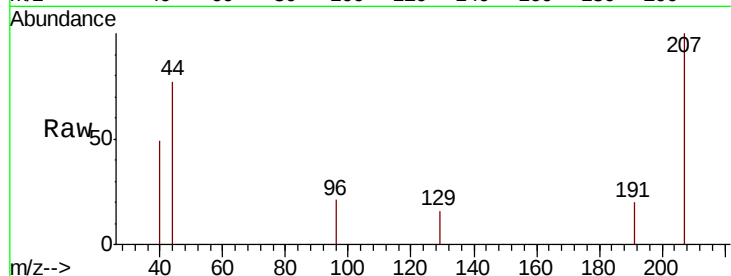
S49-TB-2019-9

Tot Ion:129 Resp: 19

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#

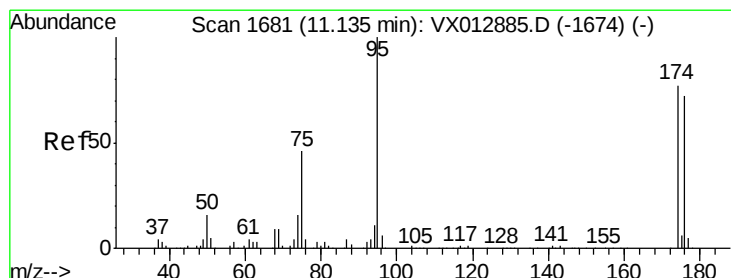
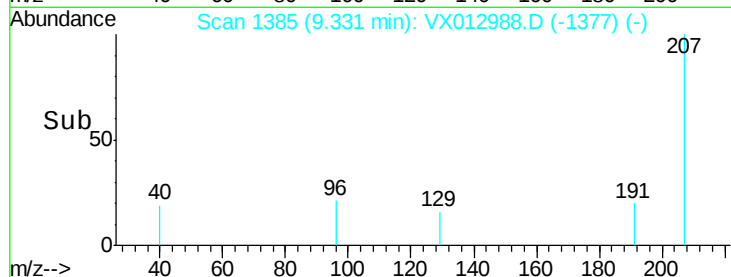


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

Time-->



#62

4-Bromofluorobenzene

Concen: 44.718 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

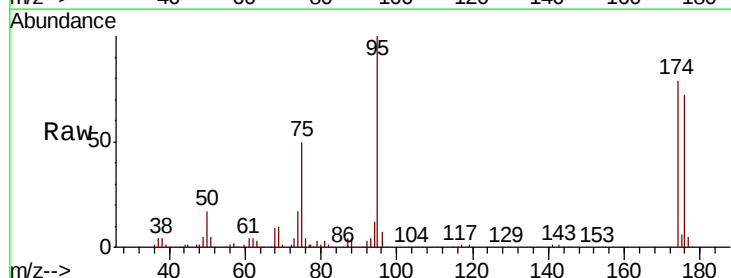
Tgt Ion: 95 Resp: 114406

Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.4

176 69.3 0.0 136.0



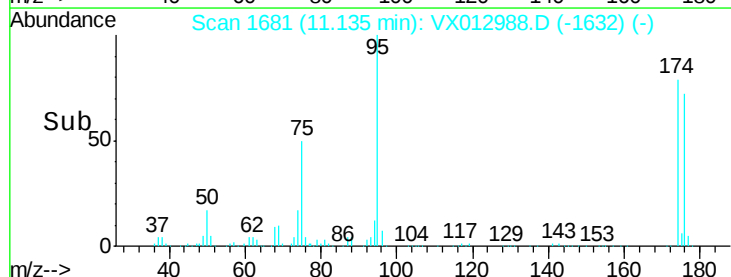
Abundance Ion 94.90 (94.60 to 95.60): VX0

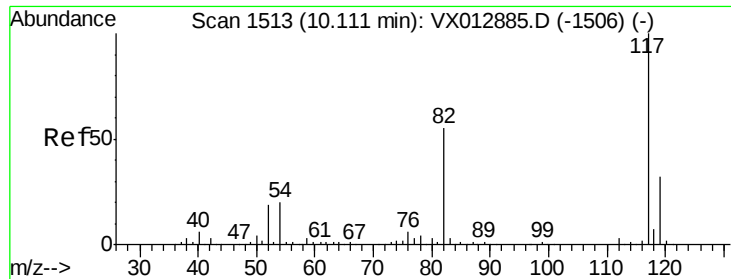
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

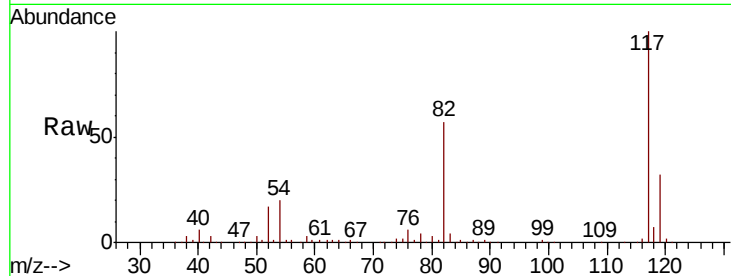




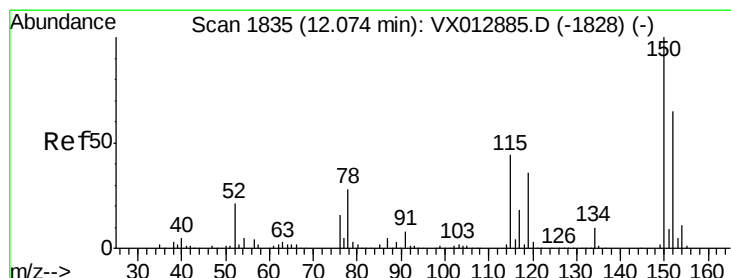
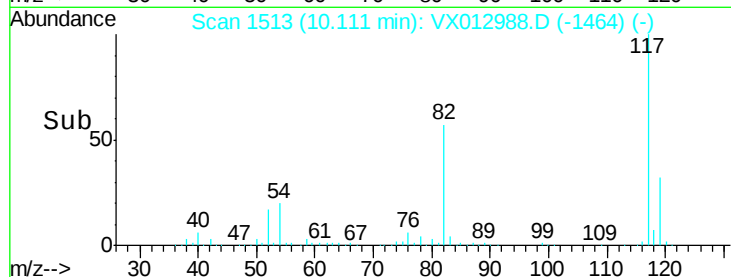
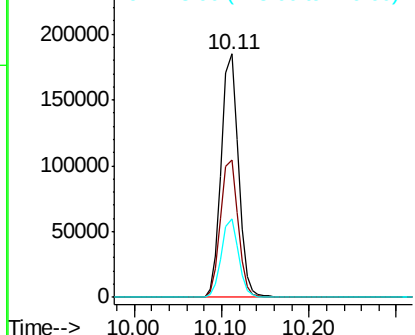
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2019-9

Tot Ion:117 Resp: 251120
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 32.1 25.8 38.8

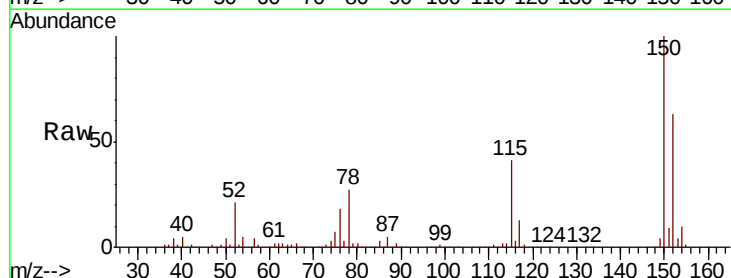


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

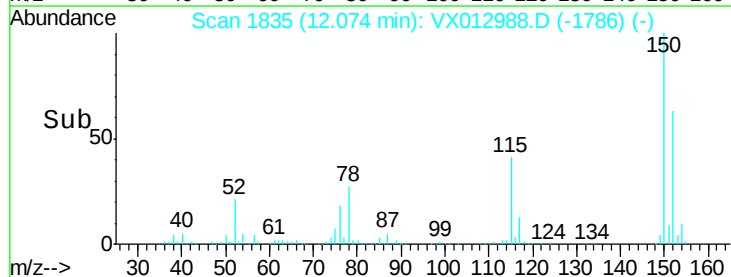
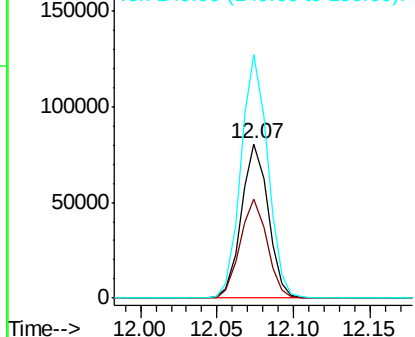


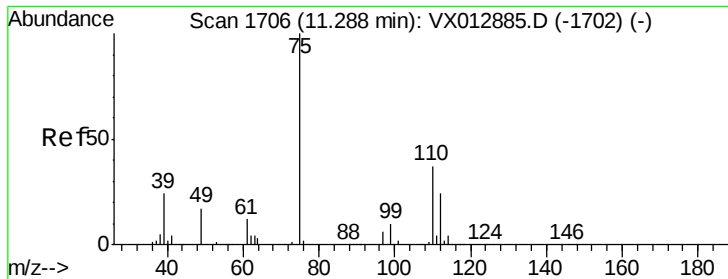
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012988.D
Acq: 10 Oct 2019 12:14

Tgt Ion:152 Resp: 98165
Ion Ratio Lower Upper
152 100
115 64.3 44.5 133.5
150 158.1 0.0 353.4



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





#76

1,2,3-Trichloropropane

Concen: 26.611 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

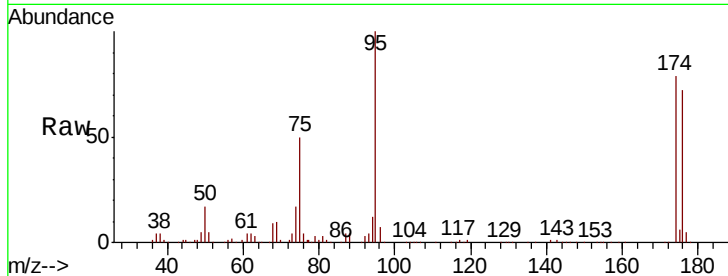
S49-TB-2019-9

Tot Ion: 75 Resp: 57939

Ion Ratio Lower Upper

75 100

77 1.6 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

30000

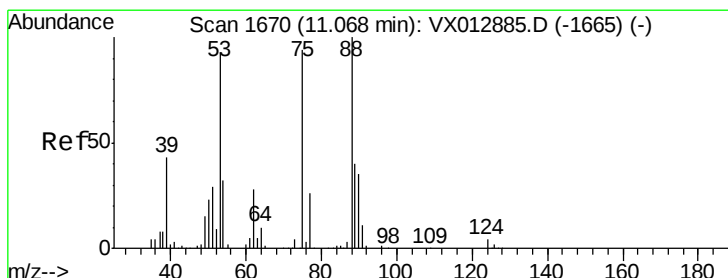
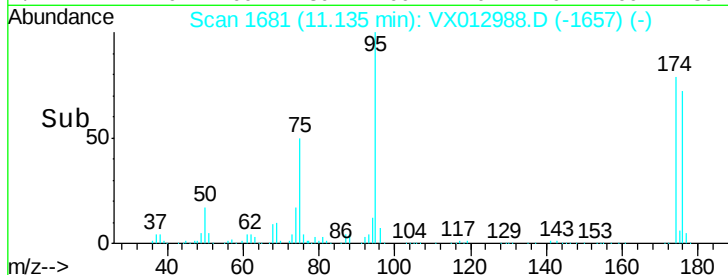
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.923 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012988.D

Acq: 10 Oct 2019 12:14

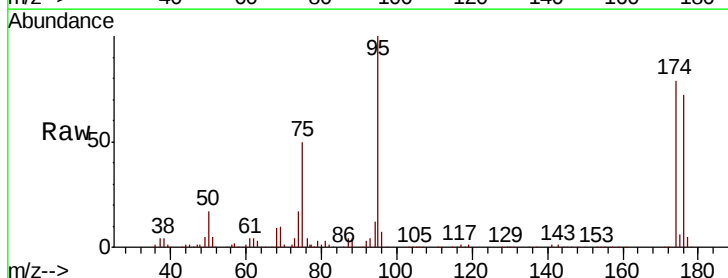
Tgt Ion: 75 Resp: 57939

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

