

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013040.D
 Acq On : 14 Oct 2019 10:39
 Operator : JC/SP
 Sample : K5312-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2019-10

Quant Time: Oct 15 01:22:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	189651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107877	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	116593	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.49	113	90675	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	8.71	98	356647	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.14	95	123443	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

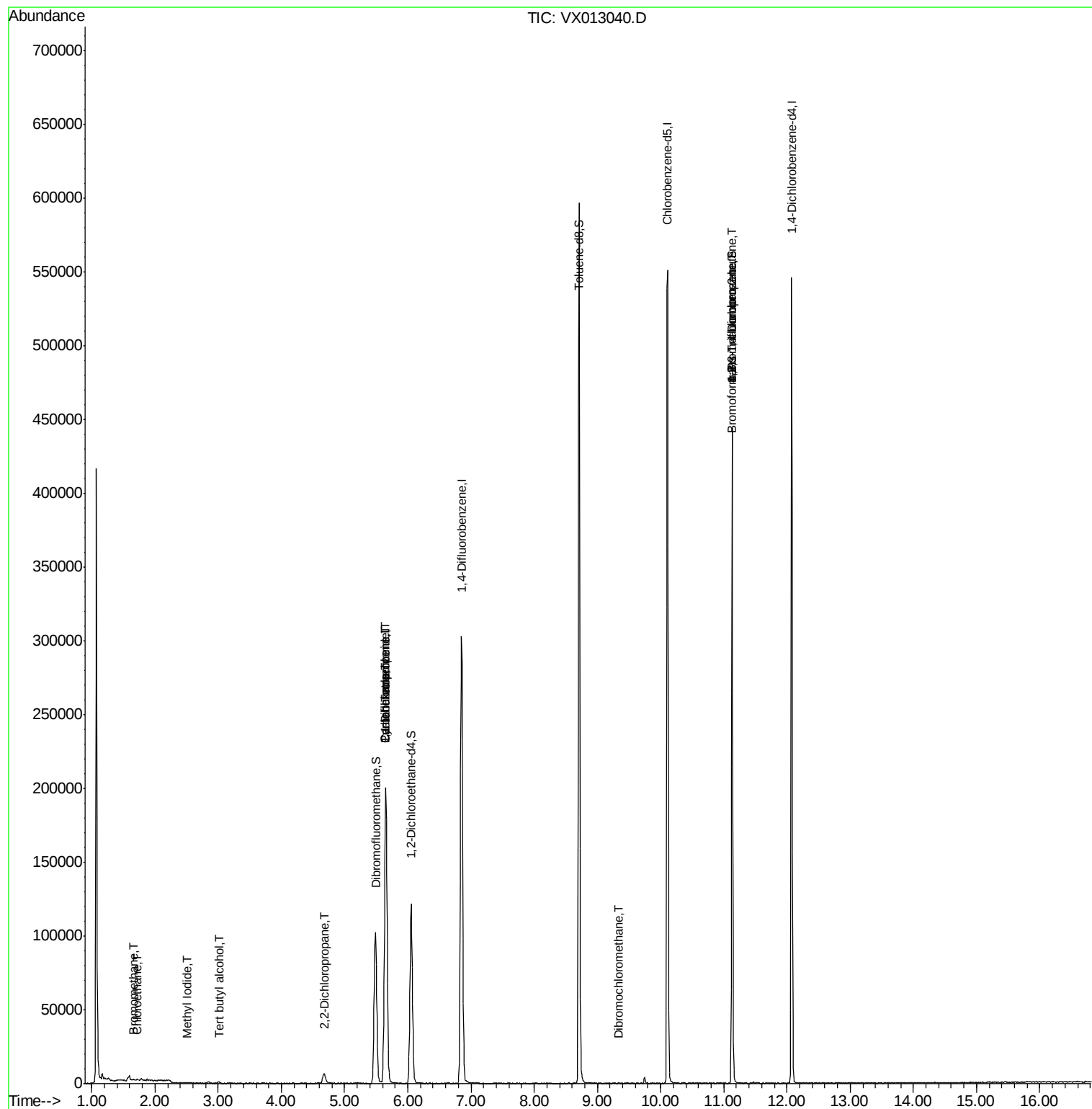
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	528	0.585	ug/l	81
6) Chloroethane	1.71	64	55	0.409	ug/l #	43
10) Methyl Iodide	2.51	142	211	5.170	ug/l #	77
11) Tert butyl alcohol	3.01	59	711	1.131	ug/l #	72
26) 2,2-Dichloropropane	4.67	77	638	0.206	ug/l #	53
31) Cyclohexane	5.65	56	3779	1.098	ug/l #	5
36) 1,1-Dichloropropene	5.65	75	14684	5.392	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19391	7.316	ug/l #	17
60) Dibromochloromethane	9.32	129	25	1.868	ug/l #	10
71) Bromoform	11.12	173	176	3.239	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	61710	25.791	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	61710	64.988	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

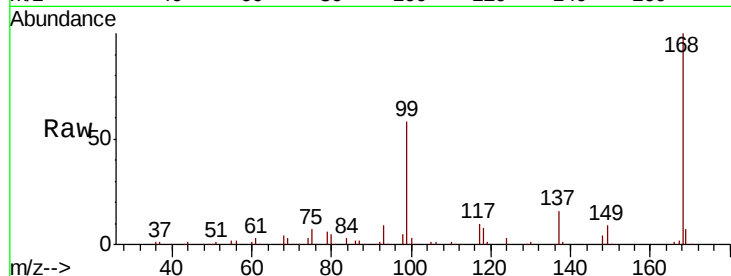
S49-TB-2019-10

Tot Ion:168 Resp: 189651

Ion Ratio Lower Upper

168 100

99 58.1 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

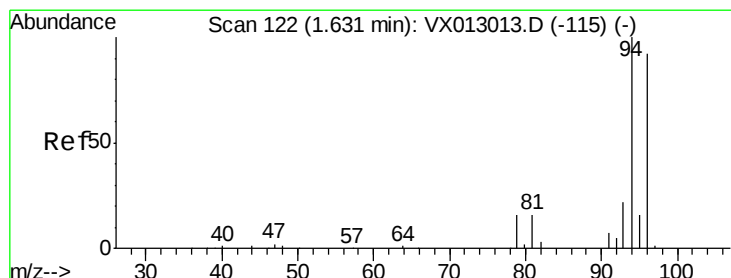
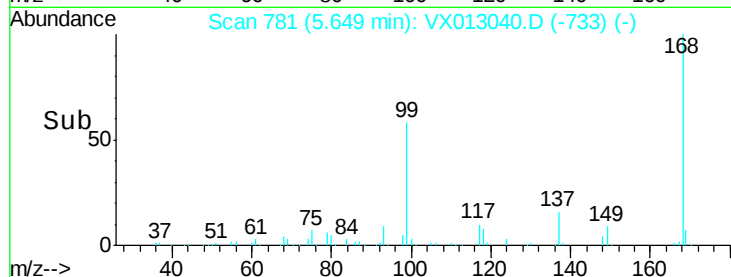
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.585 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX013040.D

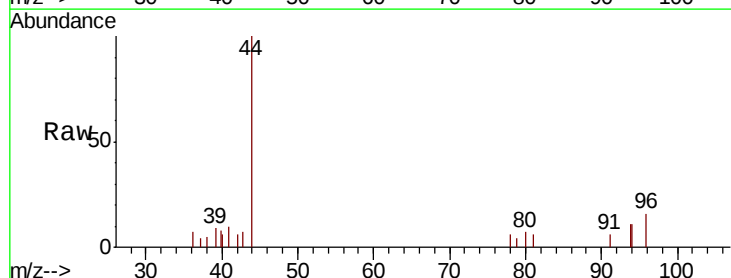
Acq: 14 Oct 2019 10:39

Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

94 100

96 75.1 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

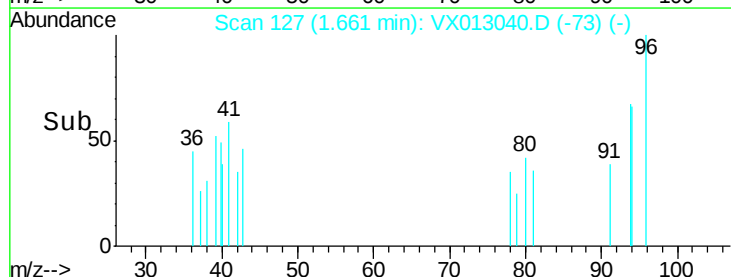
300

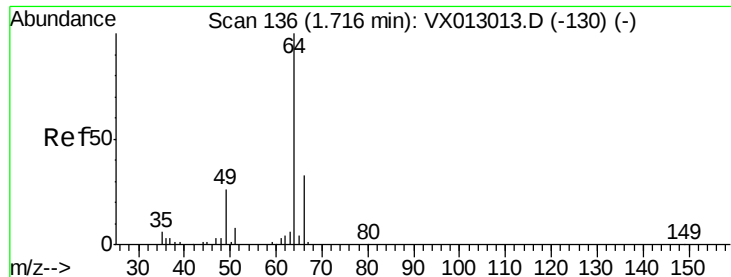
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.409 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

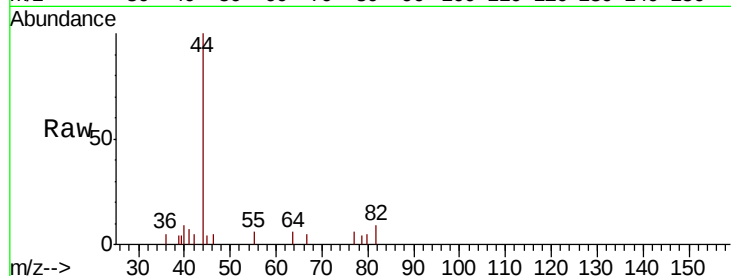
S49-TB-2019-10

Tot Ion: 64 Resp: 55

Ion Ratio Lower Upper

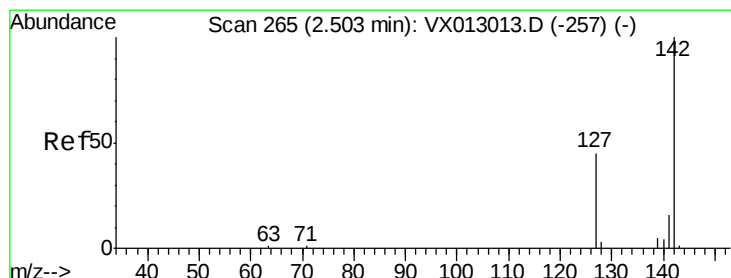
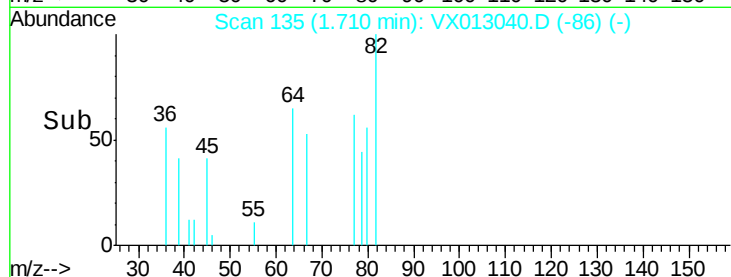
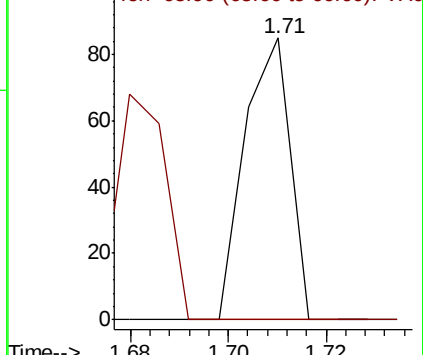
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.170 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

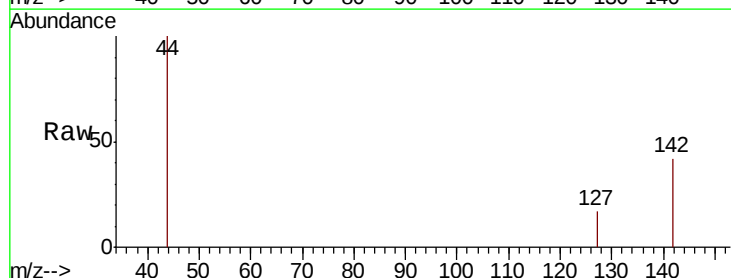
Tgt Ion: 142 Resp: 211

Ion Ratio Lower Upper

142 100

127 31.8 34.9 52.3#

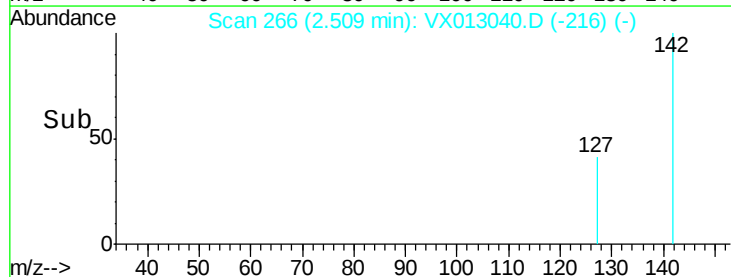
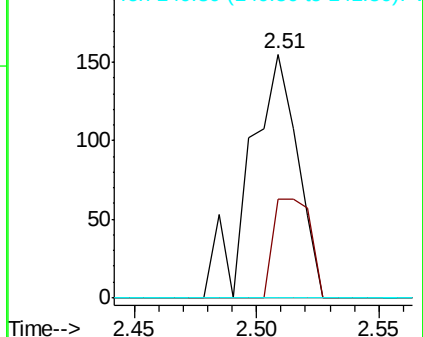
141 0.0 11.6 17.4#

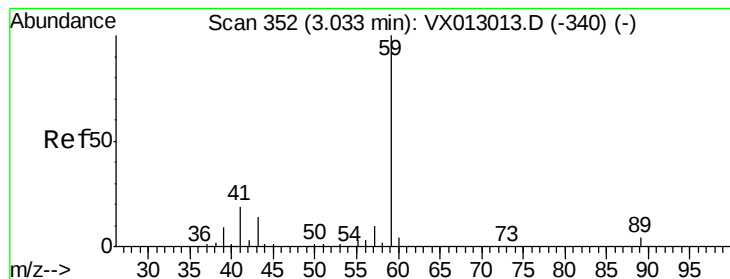


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



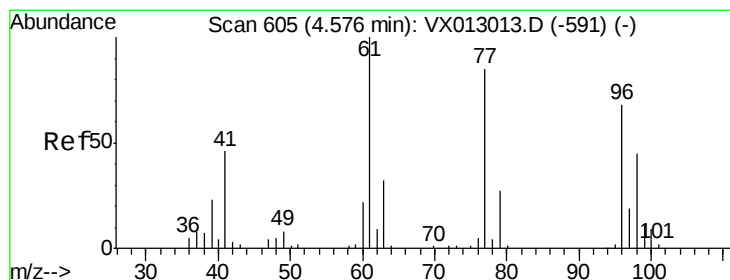
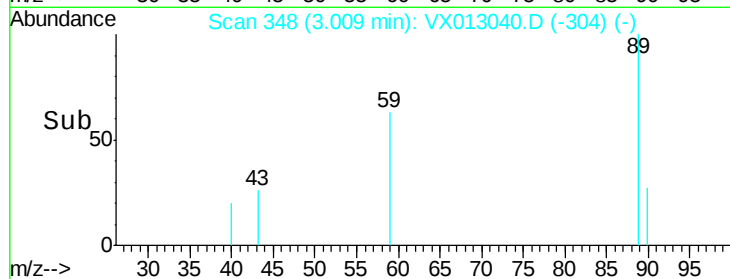
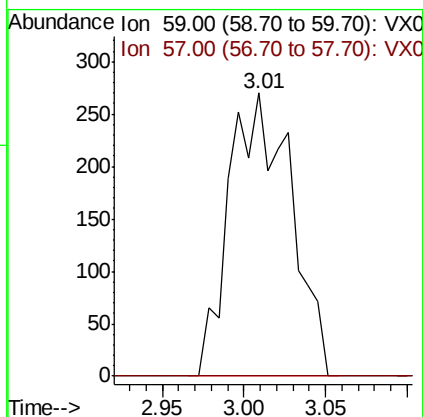
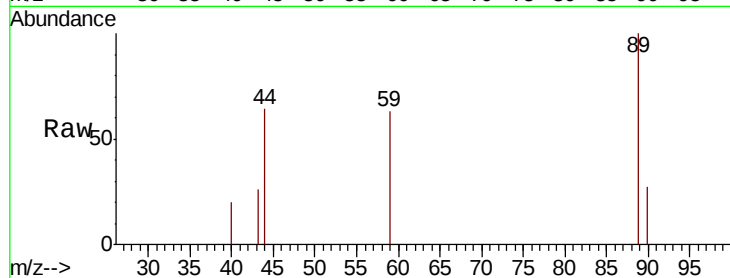


#11

Tert butyl alcohol
 Concen: 1.131 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013040.D
 Acq: 14 Oct 2019 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2019-10

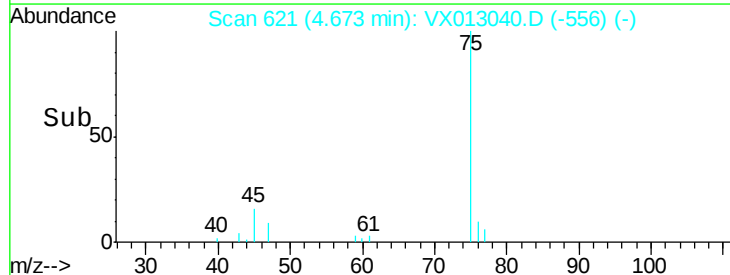
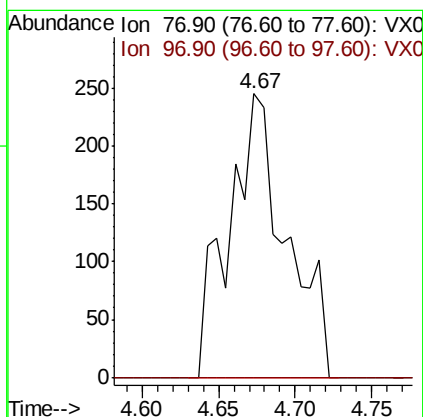
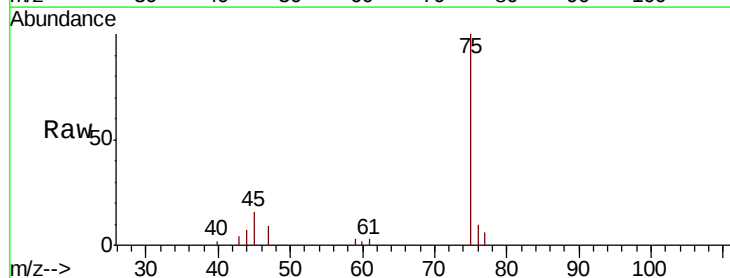
Tot Ion: 59 Resp: 711
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

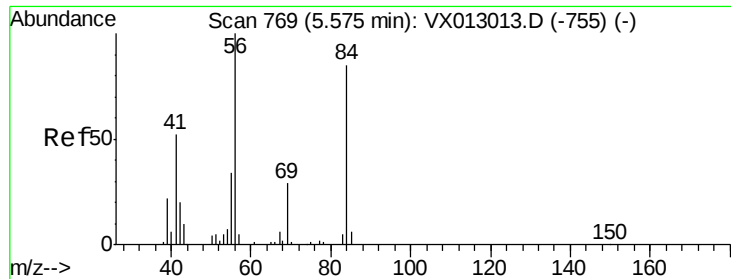


#26

2,2-Dichloropropane
 Concen: 0.206 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.10 min
 Lab File: VX013040.D
 Acq: 14 Oct 2019 10:39

Tgt Ion: 77 Resp: 638
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#

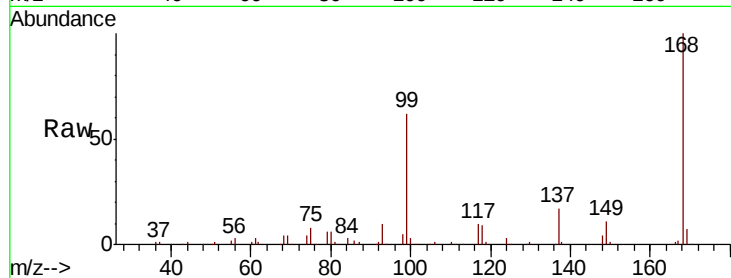




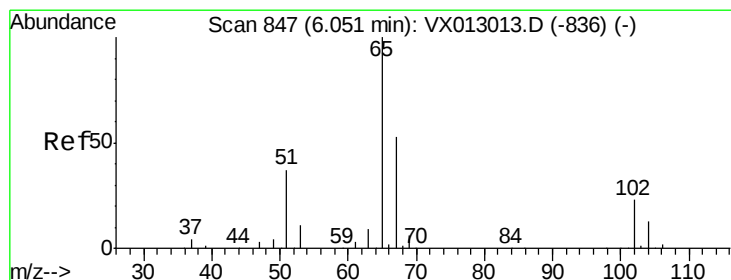
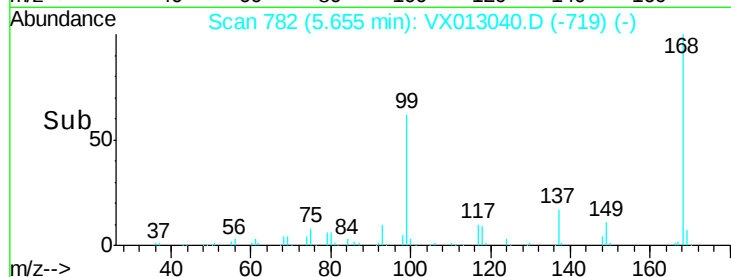
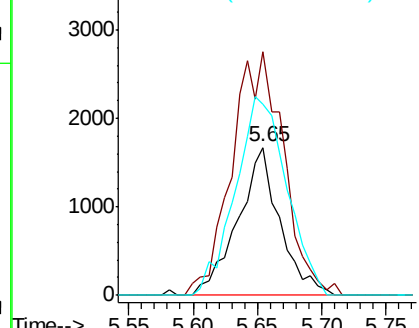
#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2019-10

Tot Ion: 56 Resp: 3779
Ion Ratio Lower Upper
56 100
69 164.9 25.2 37.8#
84 129.6 71.3 106.9#

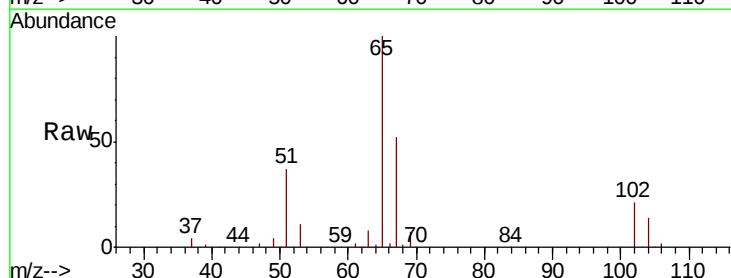


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

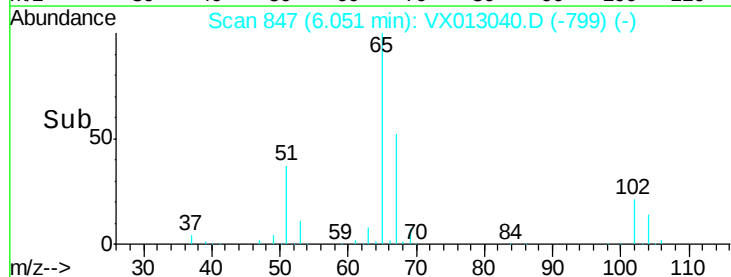
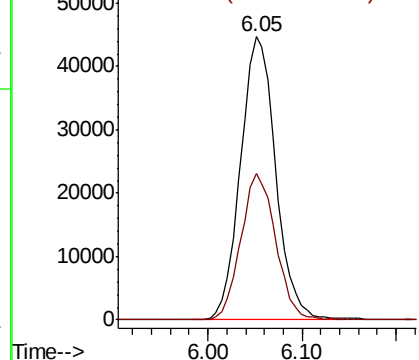


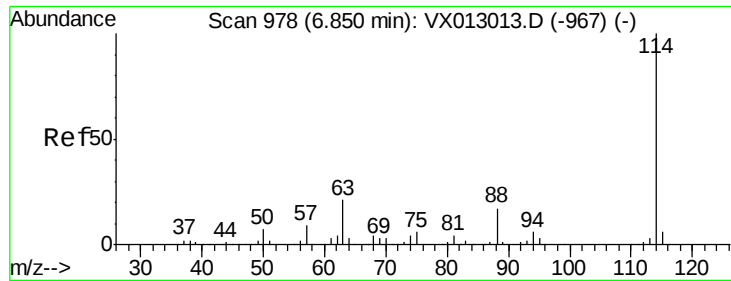
#33
1,2-Dichloroethane-d4
Concen: 49.187 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

Tgt Ion: 65 Resp: 116593
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

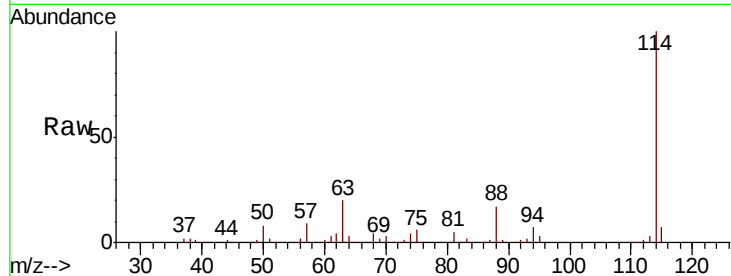




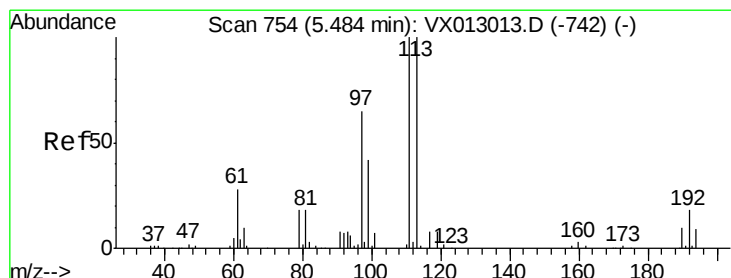
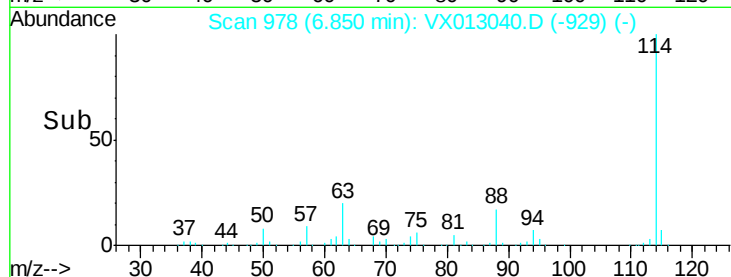
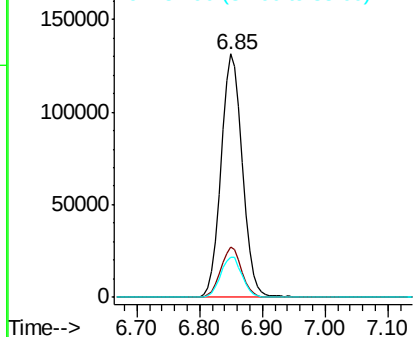
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013040.D
 Acq: 14 Oct 2019 10:39

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2019-10

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	16.7	0.0	33.8

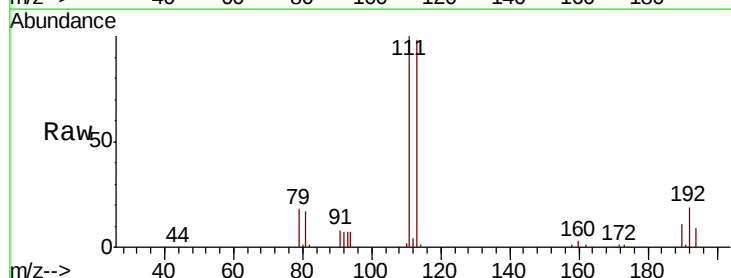


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

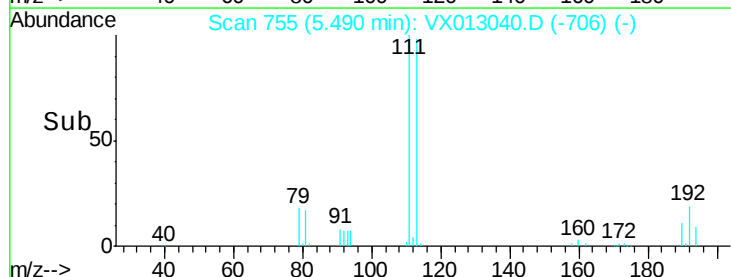
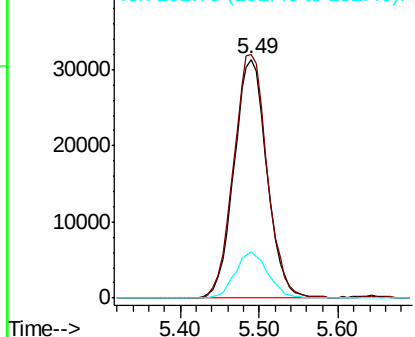


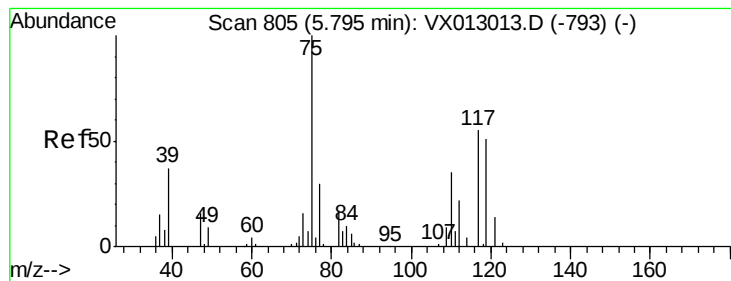
#35
 Dibromofluoromethane
 Concen: 51.009 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013040.D
 Acq: 14 Oct 2019 10:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.2	124.8
192	19.5	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: 5.392 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

S49-TB-2019-10

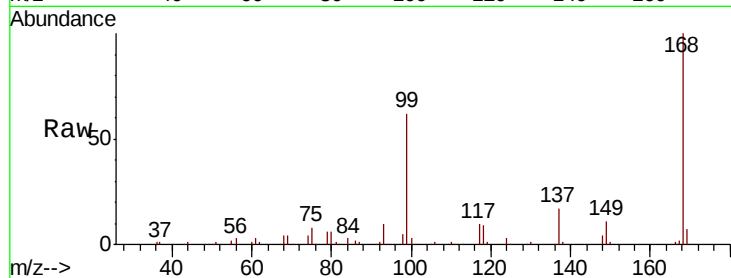
Tot Ion: 75 Resp: 14684

Ion Ratio Lower Upper

75 100

110 9.6 17.6 52.9#

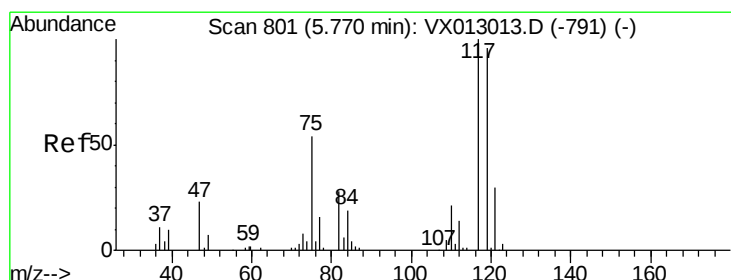
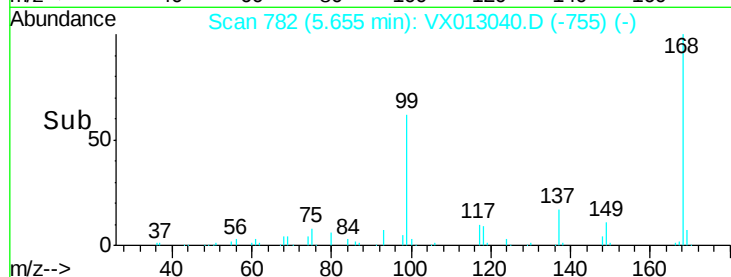
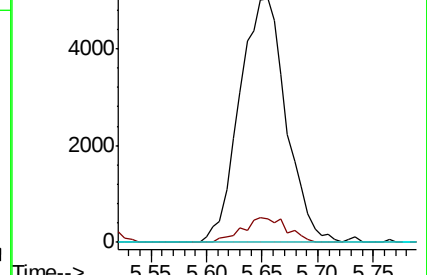
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.316 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

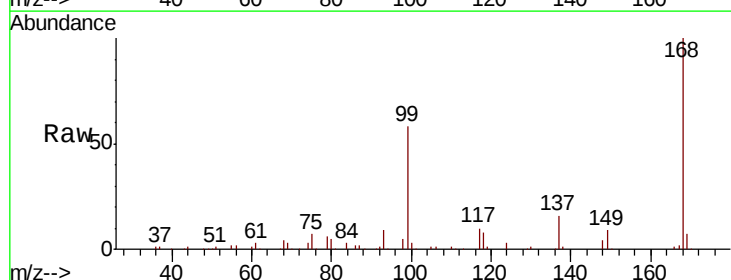
Tgt Ion: 117 Resp: 19391

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

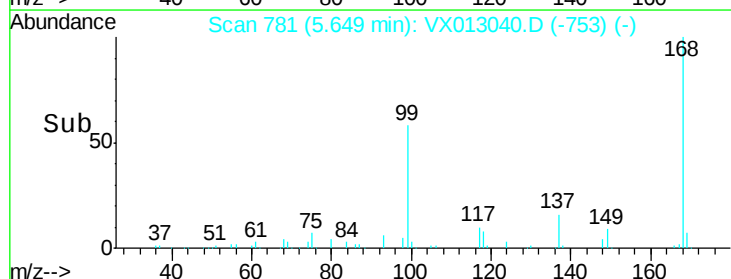
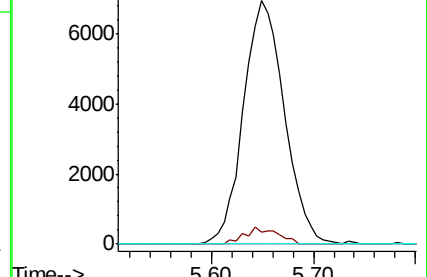
121 0.0 24.2 36.4#

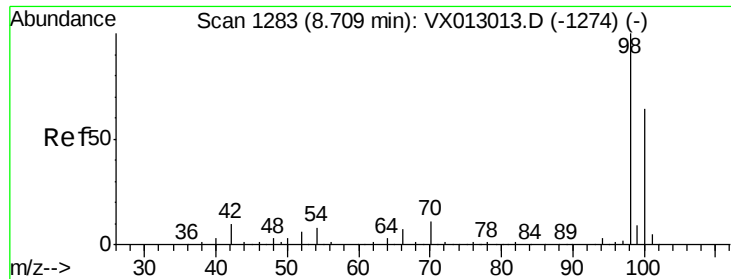


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.441 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

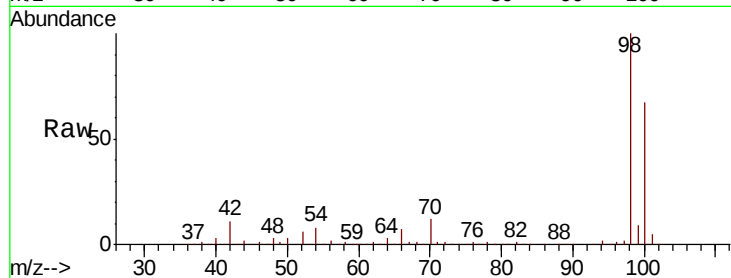
S49-TB-2019-10

Tot Ion: 98 Resp: 356647

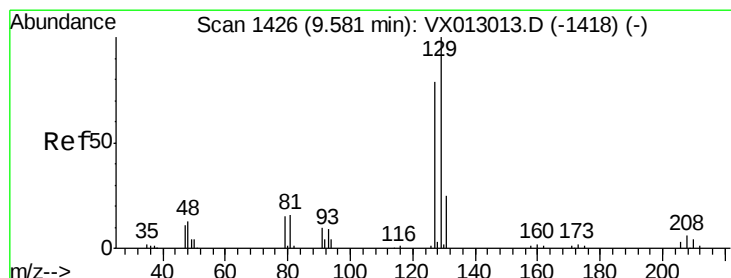
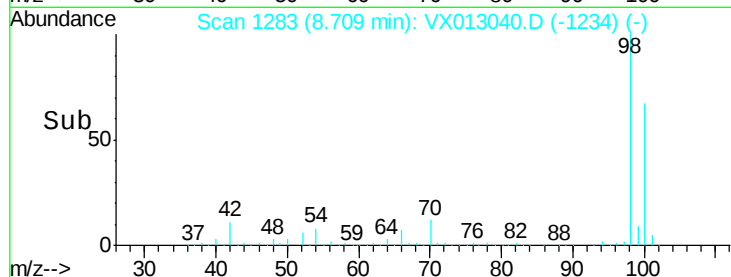
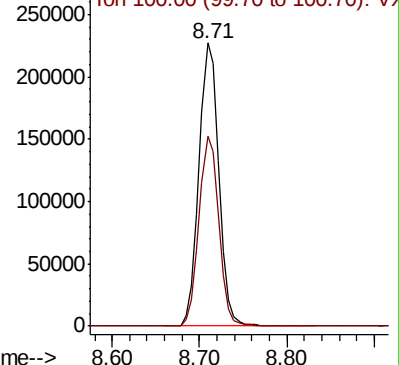
Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX013013.D (-1274) (-)



#60

Dibromochloromethane

Concen: 1.868 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX013040.D

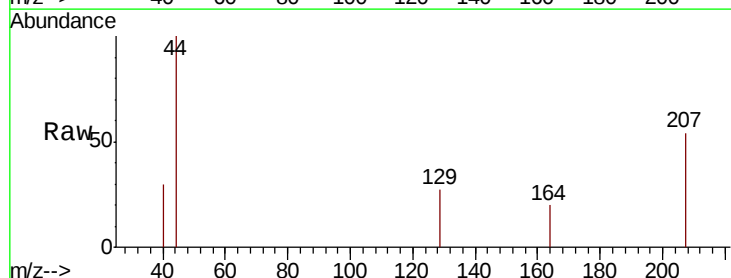
Acq: 14 Oct 2019 10:39

Tgt Ion: 129 Resp: 25

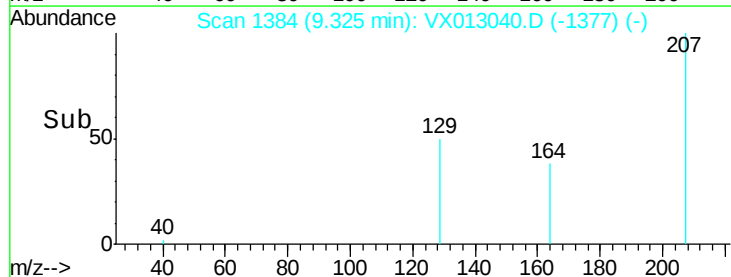
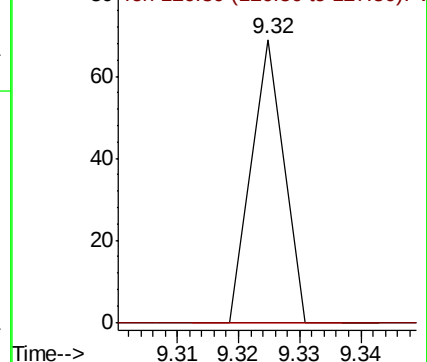
Ion Ratio Lower Upper

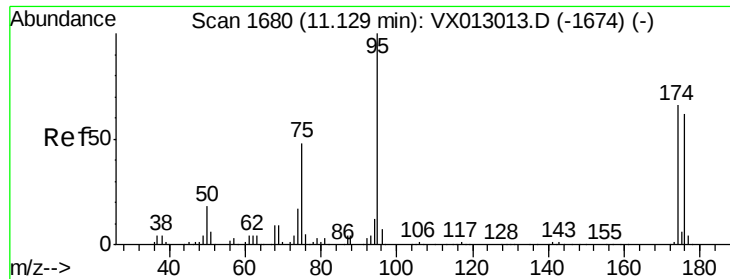
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX013013.D (-1418) (-)

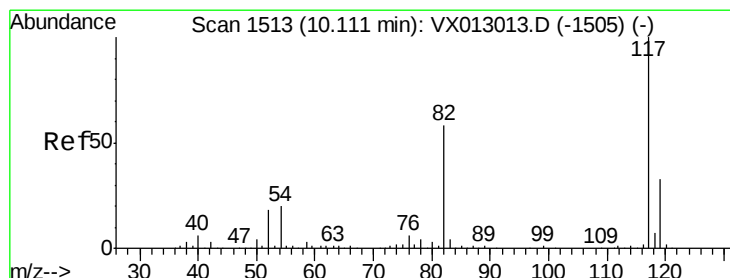
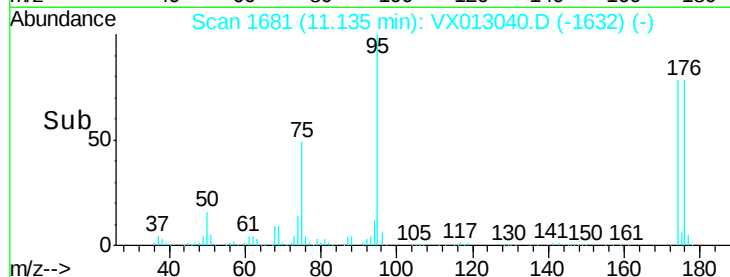
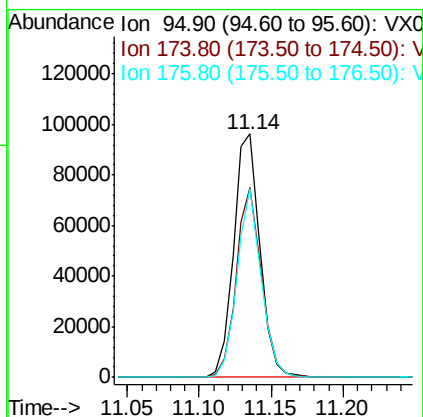
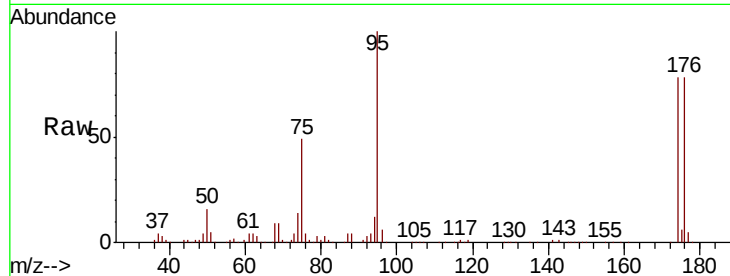




#62
4-Bromofluorobenzene
Concen: 45.823 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

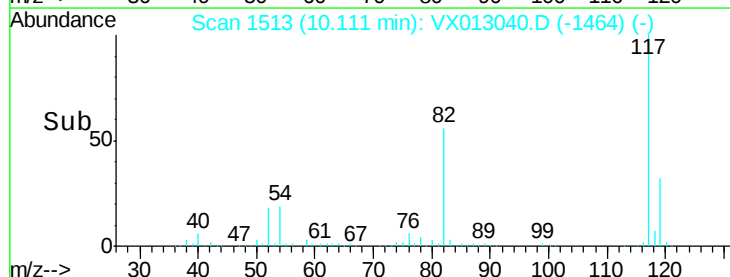
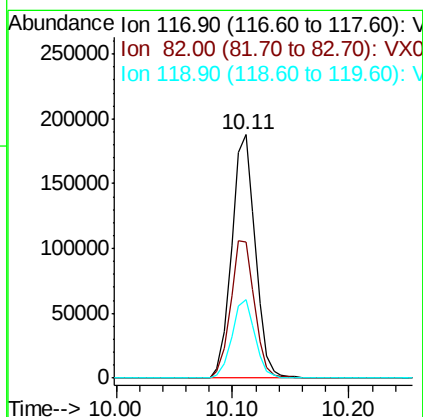
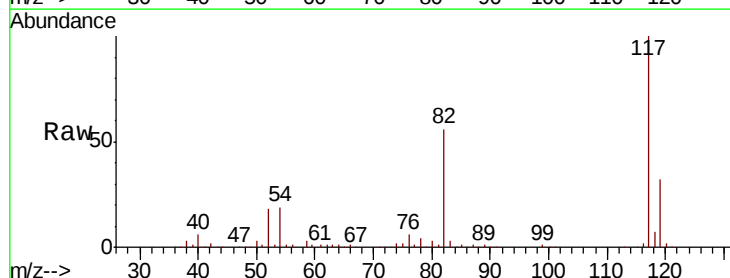
Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2019-10

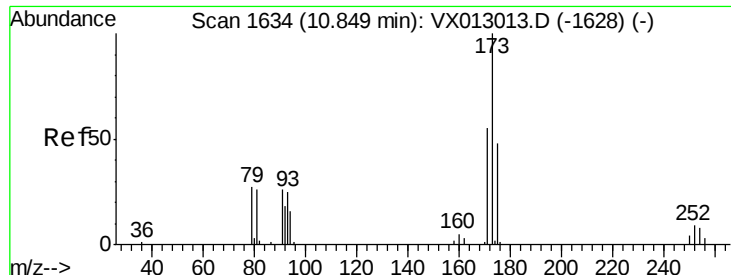
Tot Ion	95	Resp	123443
Ion Ratio	Lower	Upper	
95	100		
174	74.2	0.0	143.4
176	71.1	0.0	136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

Tgt Ion	117	Resp	264035
Ion Ratio	Lower	Upper	
117	100		
82	56.0	44.1	66.1
119	32.2	25.8	38.8

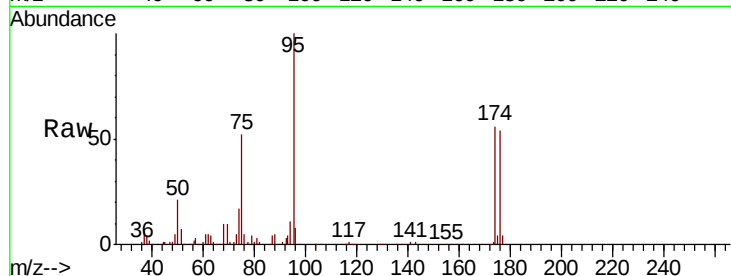




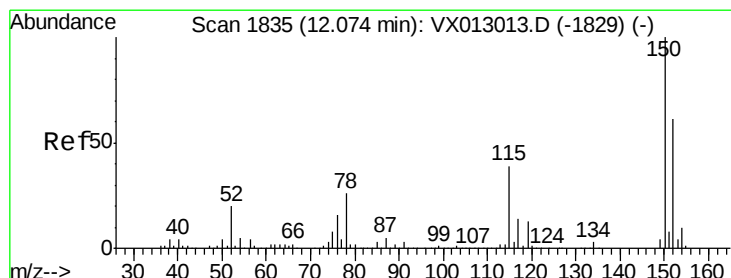
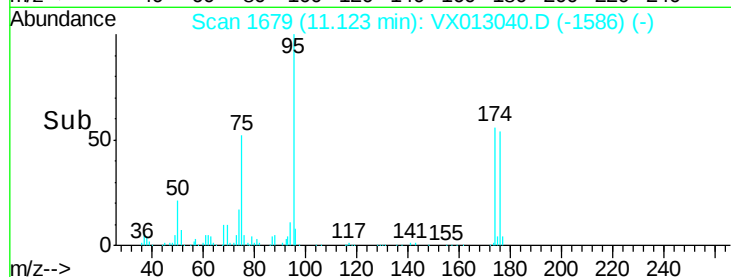
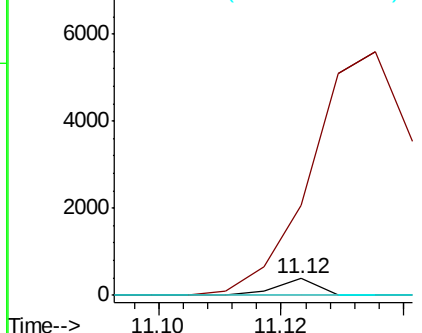
#71
Bromoform
Concen: 3.239 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2019-10

Tot Ion:173 Resp: 176
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#

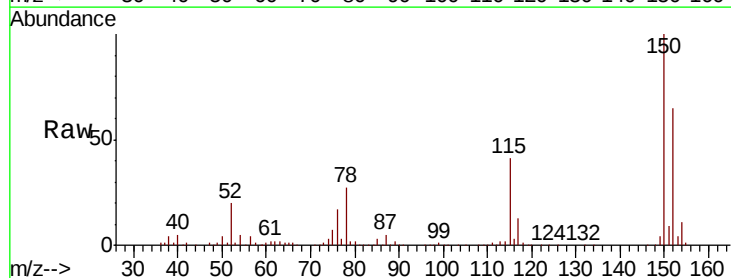


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

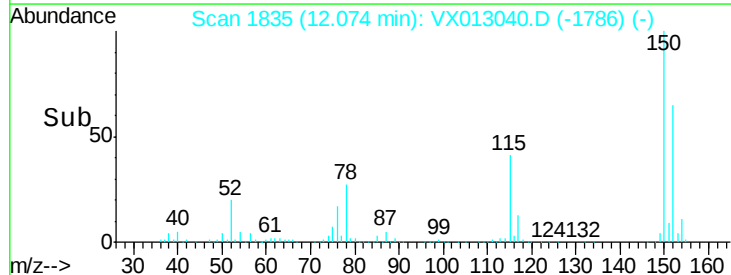
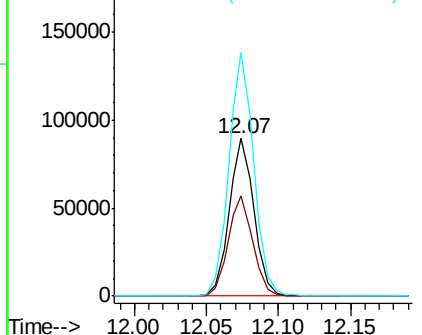


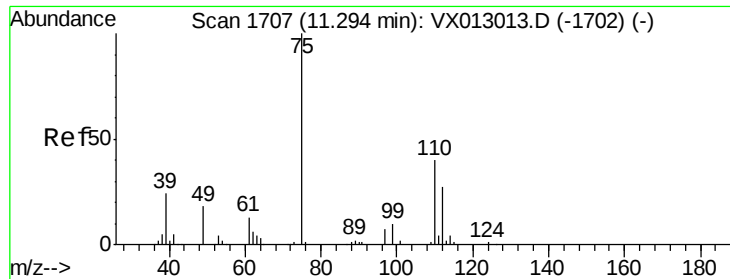
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013040.D
Acq: 14 Oct 2019 10:39

Tgt Ion:152 Resp: 107877
Ion Ratio Lower Upper
152 100
115 63.6 44.5 133.5
150 156.7 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: 25.791 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

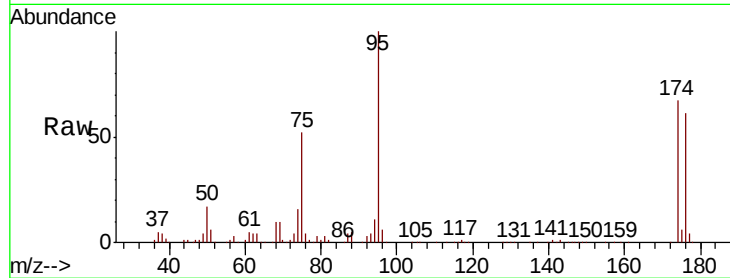
S49-TB-2019-10

Tot Ion: 75 Resp: 61710

Ion Ratio Lower Upper

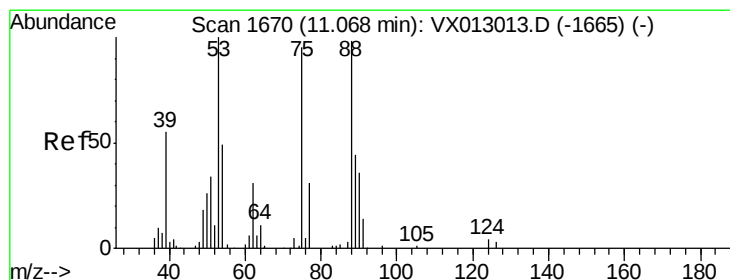
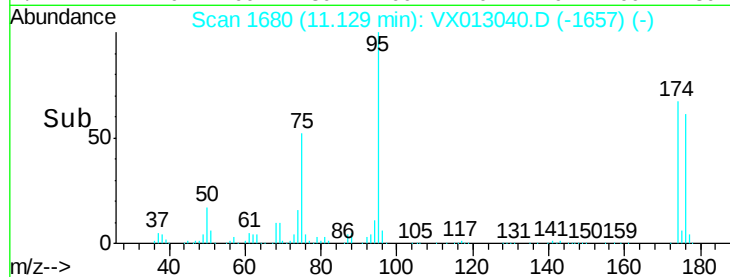
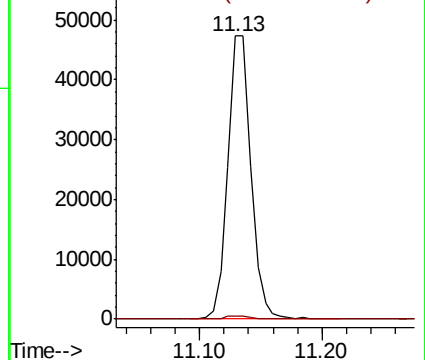
75 100

77 1.2 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 64.988 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013040.D

Acq: 14 Oct 2019 10:39

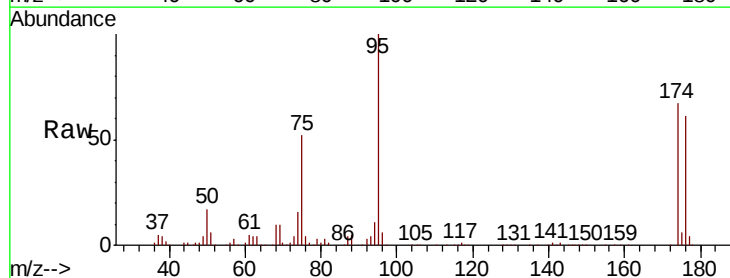
Tgt Ion: 75 Resp: 61710

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

