

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016790.D
 Acq On : 16 Jun 2020 19:16
 Operator : JC/SP
 Sample : L2984-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2020-1

Quant Time: Jun 17 03:59:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	397889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223962	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	138955	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.46	113	119650	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	8.70	98	497204	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
62) 4-Bromofluorobenzene	11.12	95	210664	60.84	ug/l	0.00
Spiked Amount			Recovery	=	121.68%	

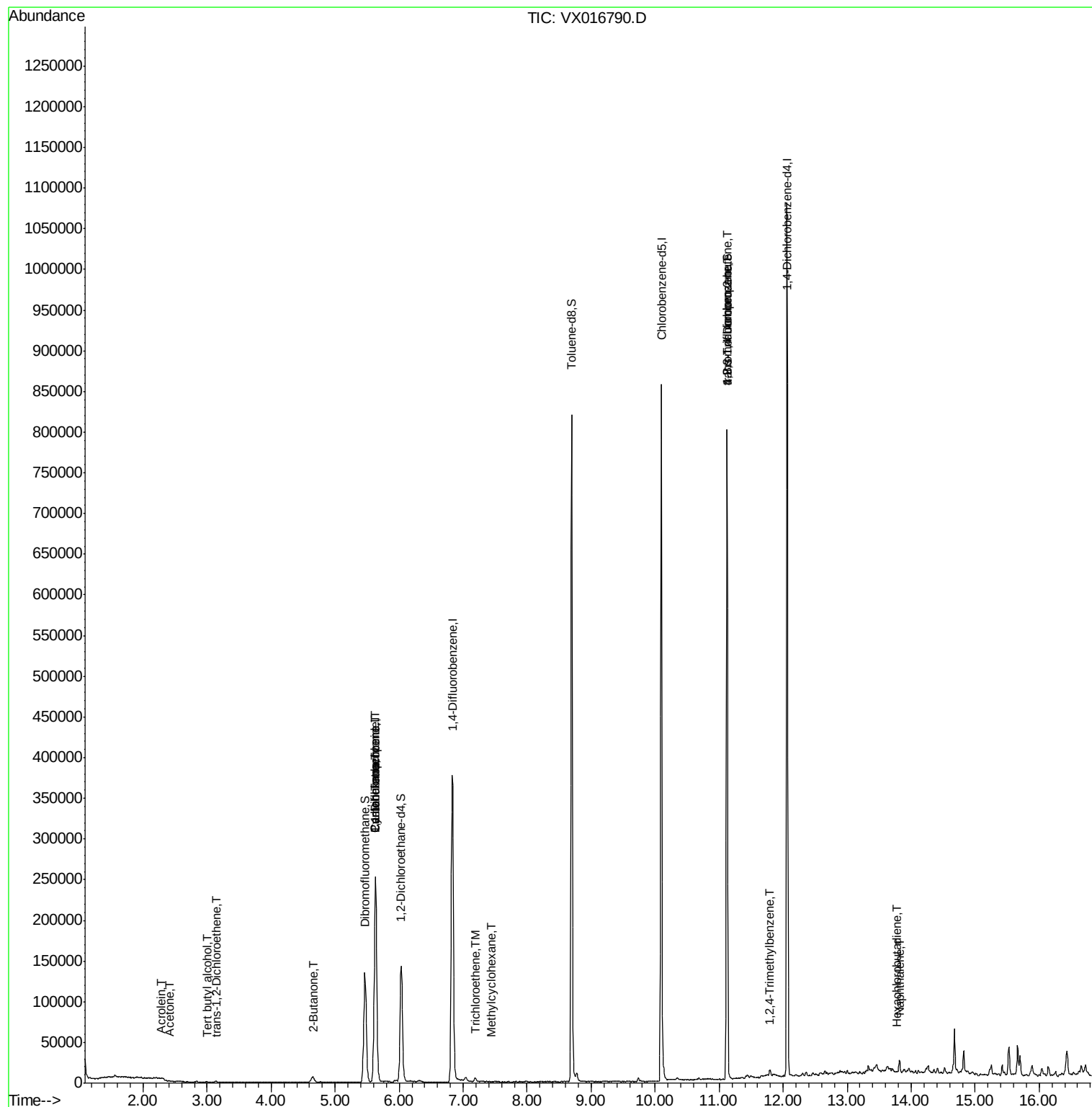
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	205	0.285	ug/l #	73
13) Acrolein	2.28	56	224	3.030	ug/l #	25
16) Acetone	2.42	43	812	0.625	ug/l #	78
21) trans-1,2-Dichloroethene	3.15	96	565	0.211	ug/l #	55
25) 2-Butanone	4.67	43	817	0.417	ug/l #	44
31) Cyclohexane	5.63	56	4040	1.777	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17152	4.878	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23260	5.825	ug/l #	17
39) Methylcyclohexane	7.43	83	33	0.961	ug/l #	19
44) Trichloroethene	7.20	130	1943	0.587	ug/l	82
76) 1,2,3-Trichloropropane	11.12	75	99307	21.085	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99307	53.081	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	2809	0.225	ug/l	98
94) Hexachlorobutadiene	13.77	225	20	0.423	ug/l #	19
95) Naphthalene	13.82	128	9089	0.591	ug/l	97

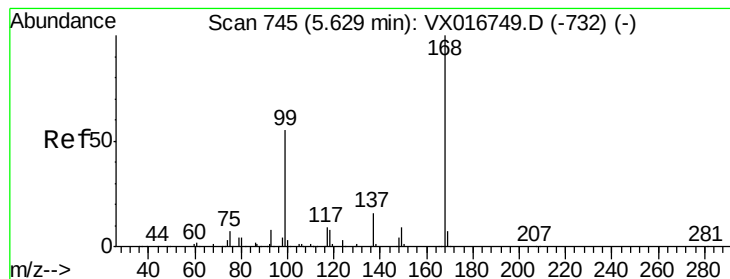
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

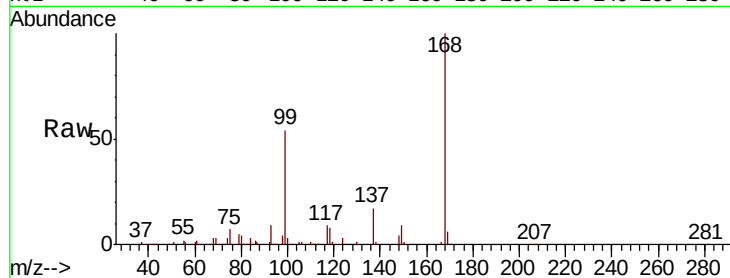
S49-TB-2020-1

Tot Ion:168 Resp: 254644

Ion Ratio Lower Upper

168 100

99 54.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

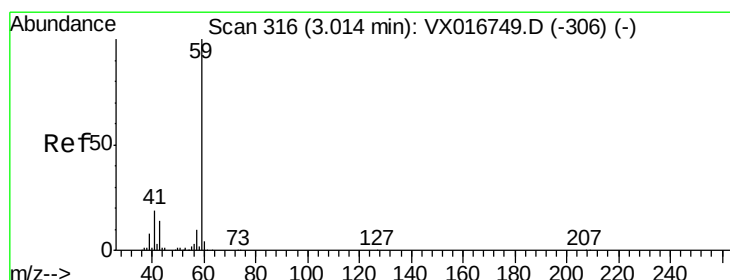
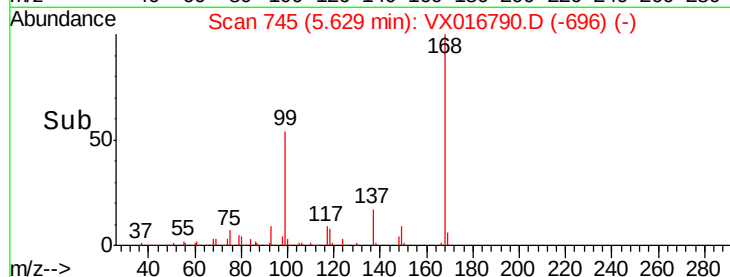
40000

20000

0

Time-->

5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 0.285 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016790.D

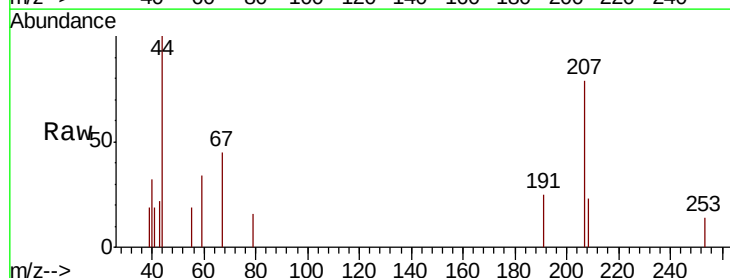
Acq: 16 Jun 2020 19:16

Tgt Ion: 59 Resp: 205

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

150

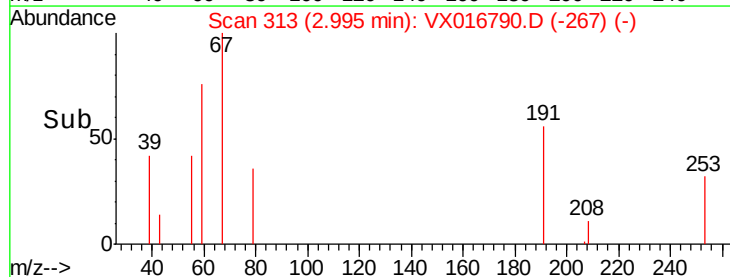
100

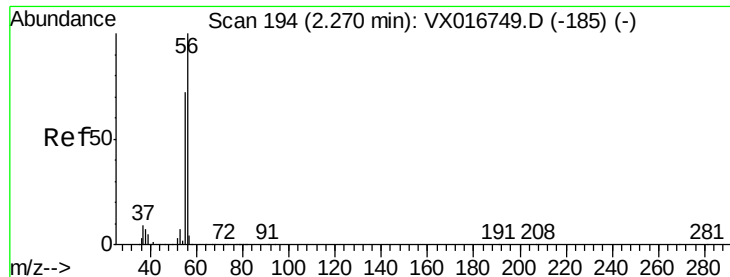
50

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 3.030 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampled :

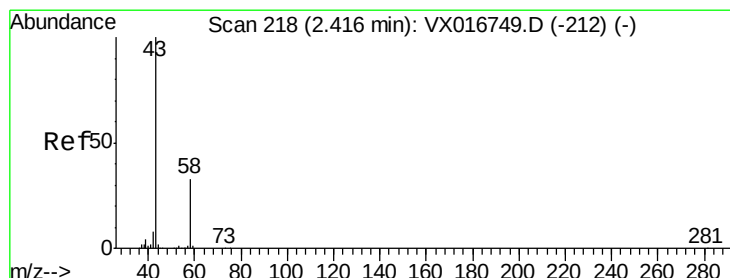
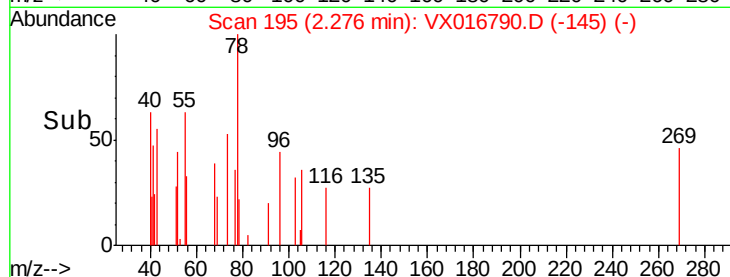
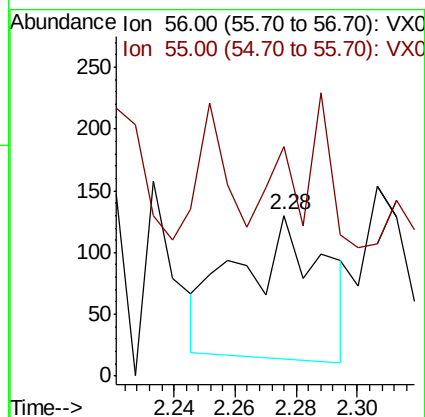
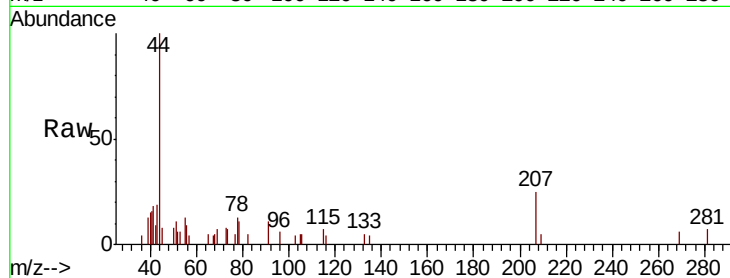
S49-TB-2020-1

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 10.3 58.2 87.4#



#16

Acetone

Concen: 0.625 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016790.D

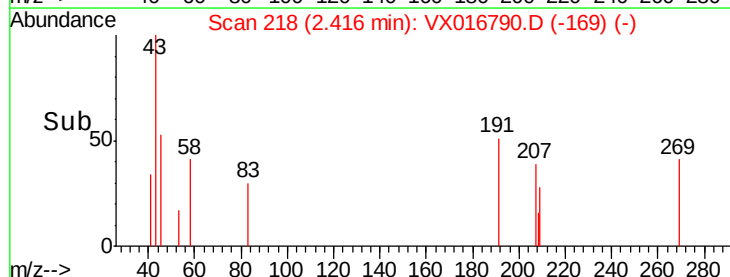
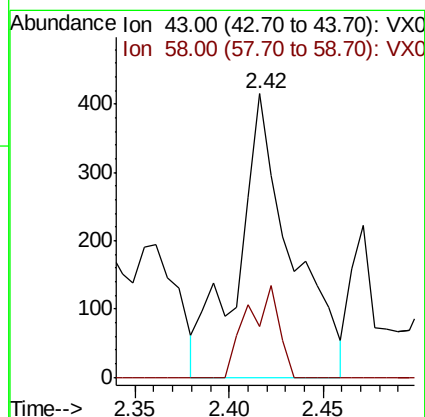
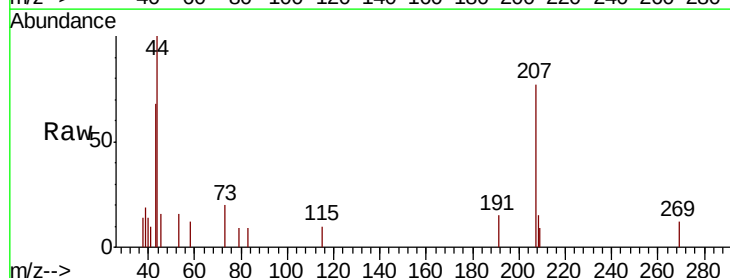
Acq: 16 Jun 2020 19:16

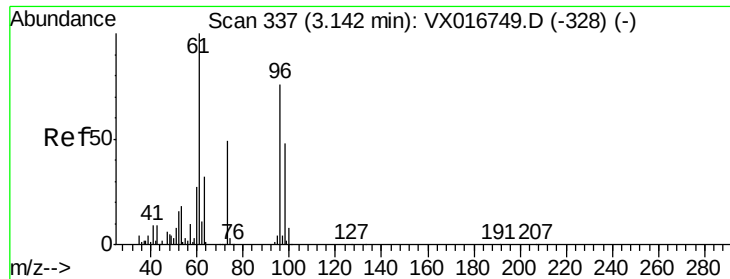
Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

58 20.7 26.3 39.5#





#21

trans-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

S49-TB-2020-1

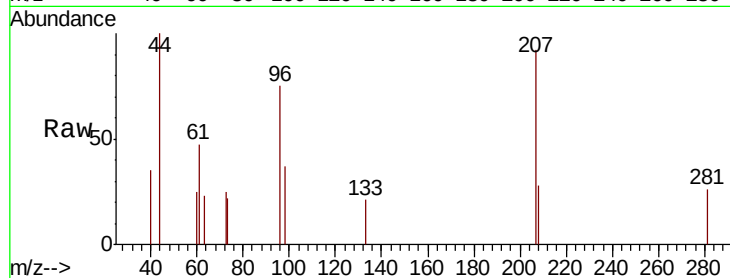
Tot Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 63.2 105.4 158.2#

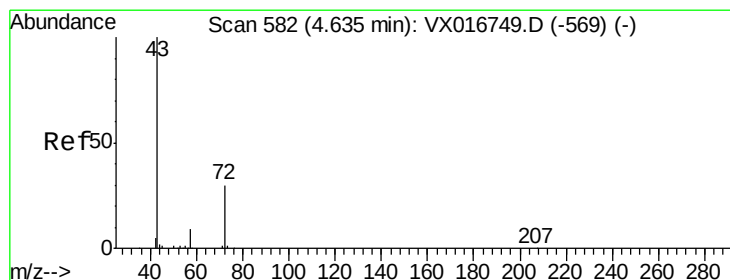
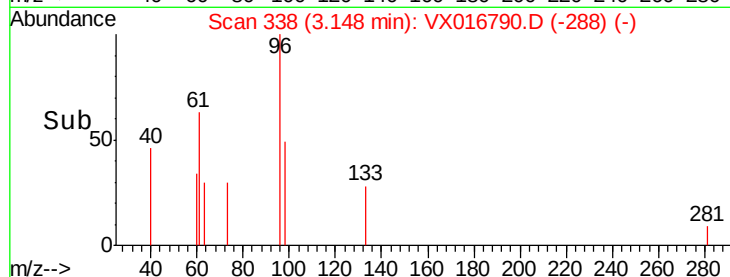
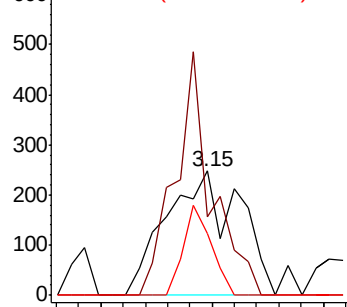
98 49.4 50.8 76.2#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.417 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX016790.D

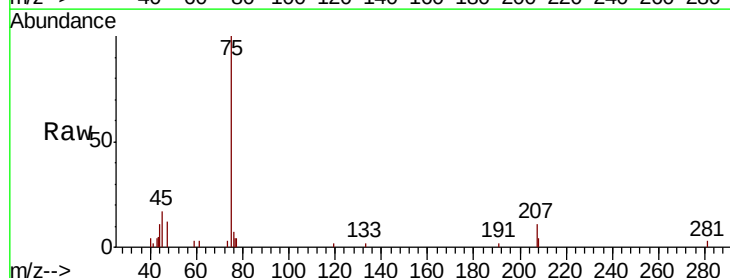
Acq: 16 Jun 2020 19:16

Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

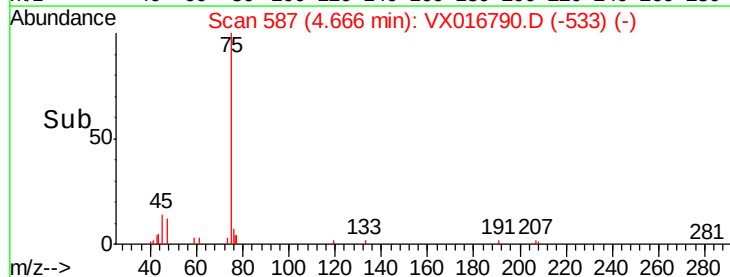
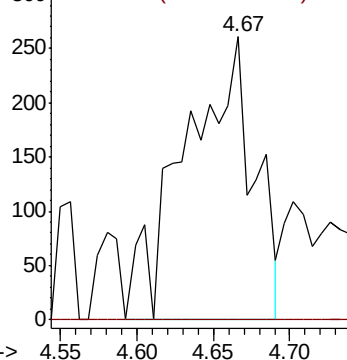
43 100

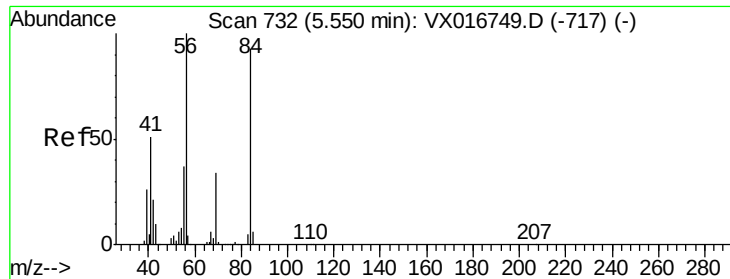
72 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

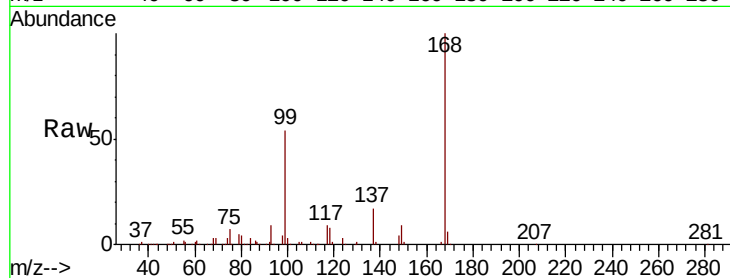




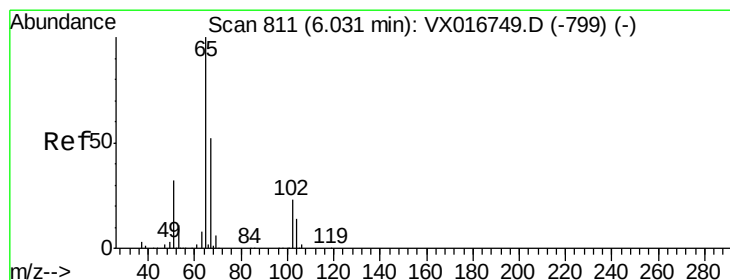
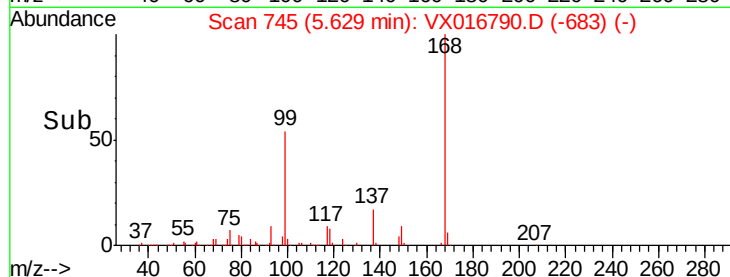
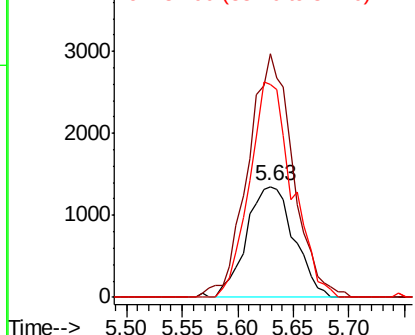
#31
Cyclohexane
Concen: 1.777 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2020-1

Tot Ion: 56 Resp: 4040
Ion Ratio Lower Upper
56 100
69 220.1 27.1 40.7#
84 192.6 74.0 111.0#

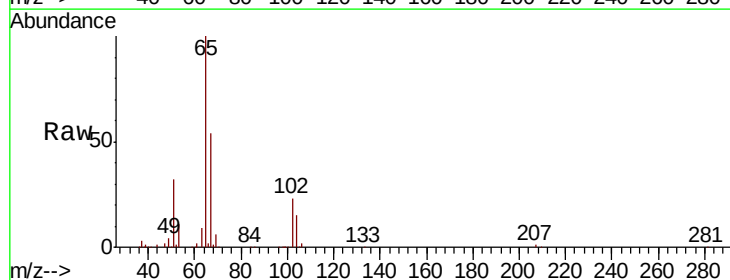


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

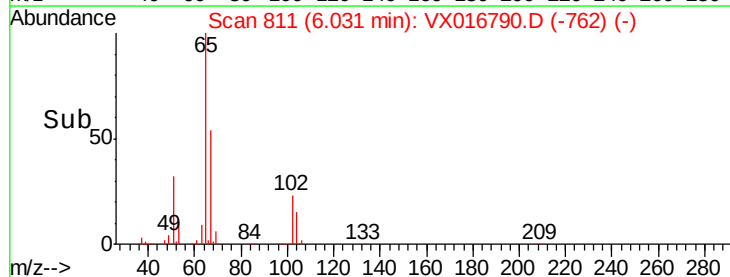
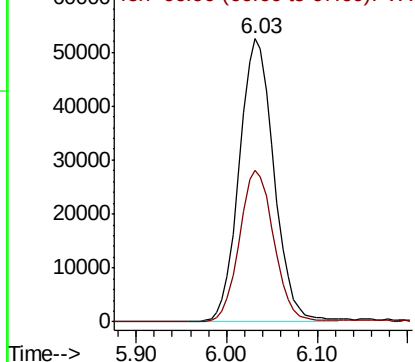


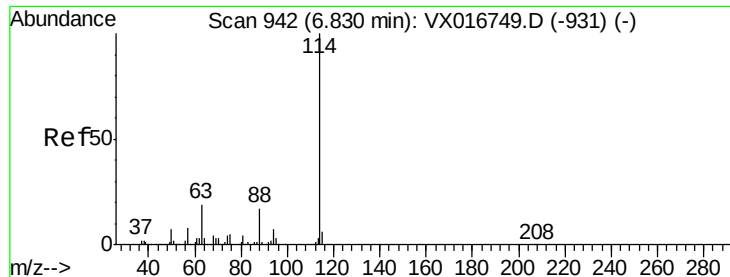
#33
1,2-Dichloroethane-d4
Concen: 48.517 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Tgt Ion: 65 Resp: 138955
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0



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

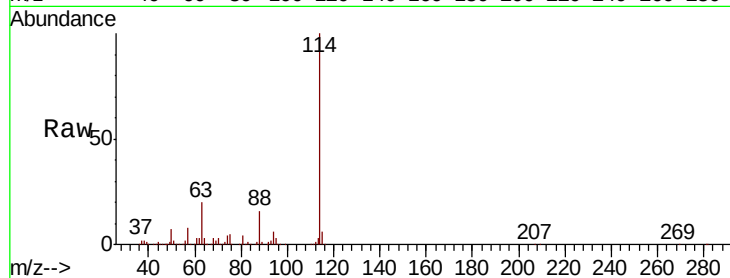




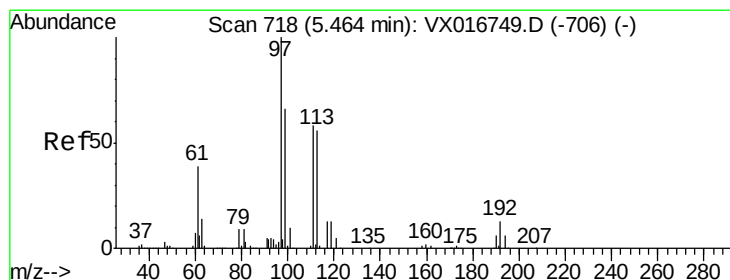
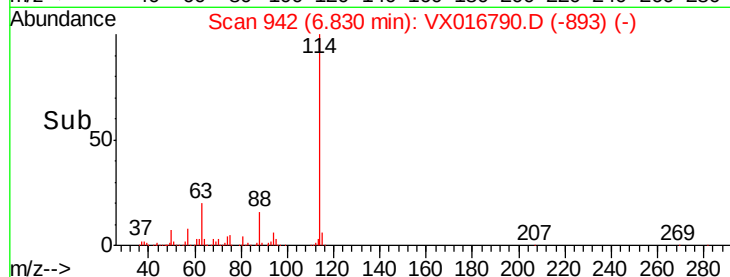
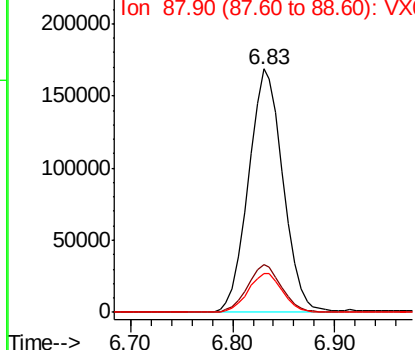
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2020-1

Tot Ion:114	Resp:	397889
Ion	Ratio	Lower Upper
114	100	
63	19.6	0.0 38.8
88	16.0	0.0 33.4

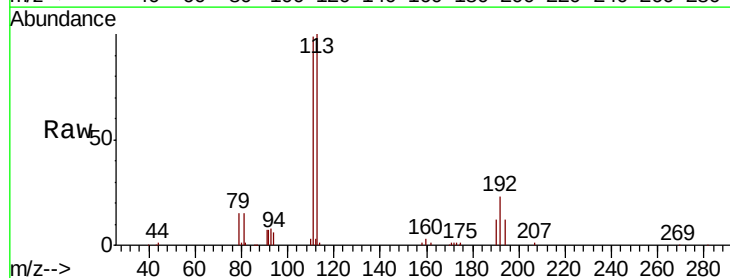


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

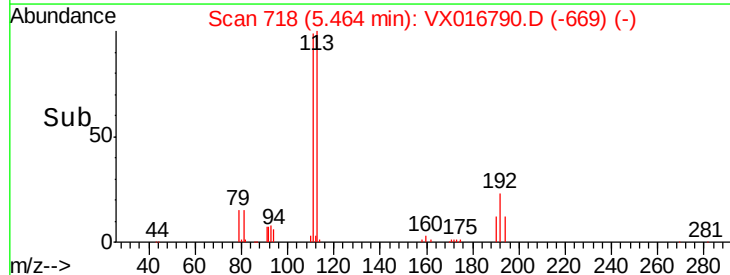
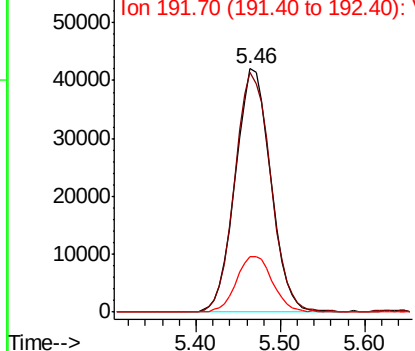


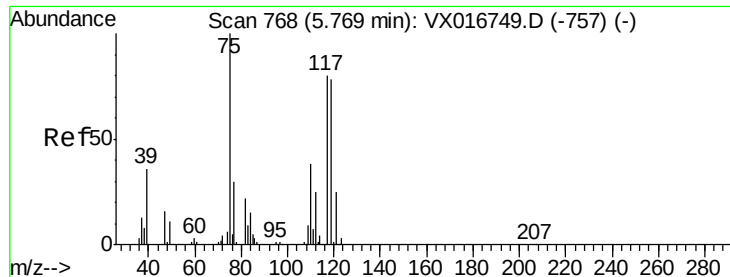
#35
 Dibromofluoromethane
 Concen: 48.739 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

Tgt Ion:113	Resp:	119650
Ion	Ratio	Lower Upper
113	100	
111	100.2	81.8 122.6
192	23.4	18.2 27.4



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

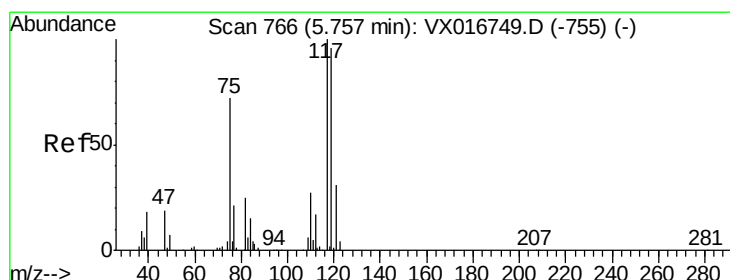
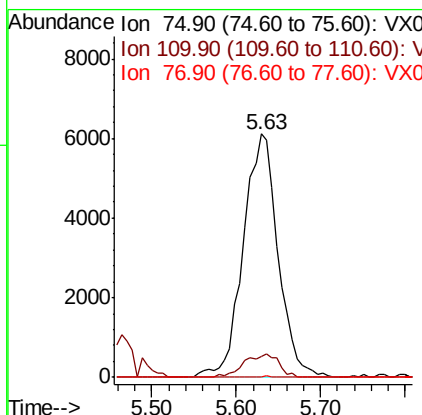
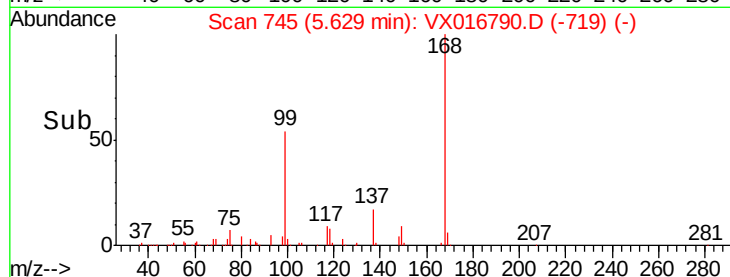
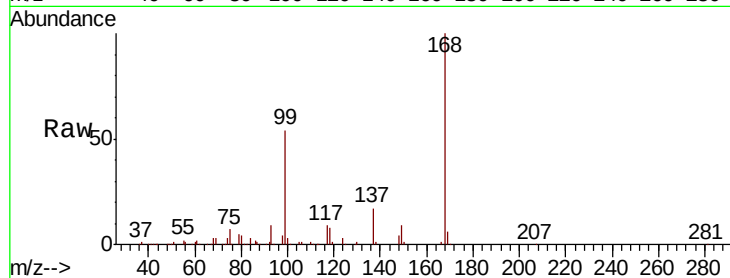




#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

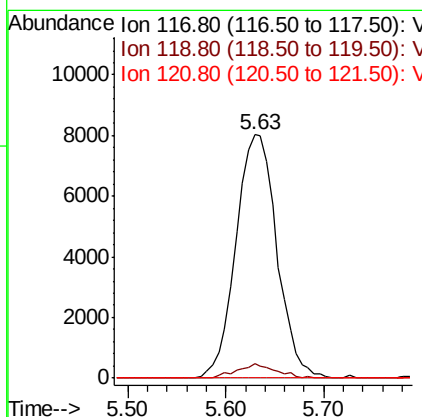
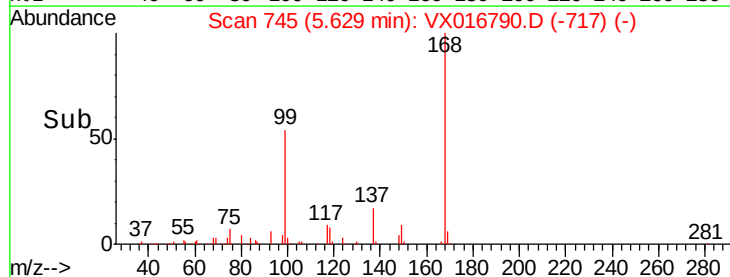
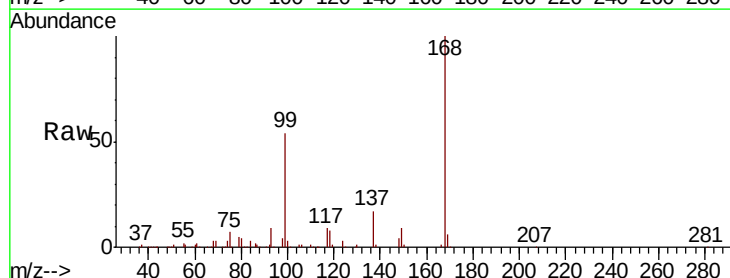
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2020-1

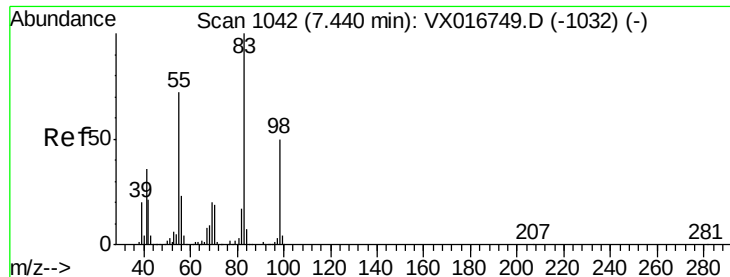
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.2#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.825 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.7	115.1#
121	0.0	24.7	37.1#

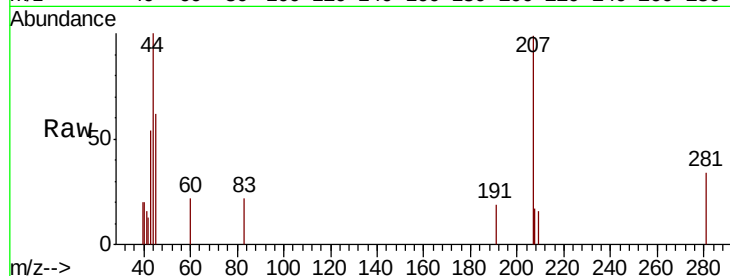




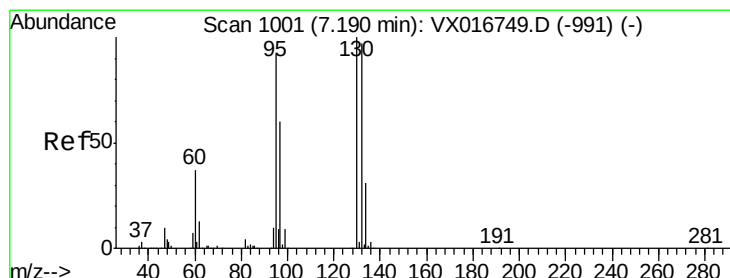
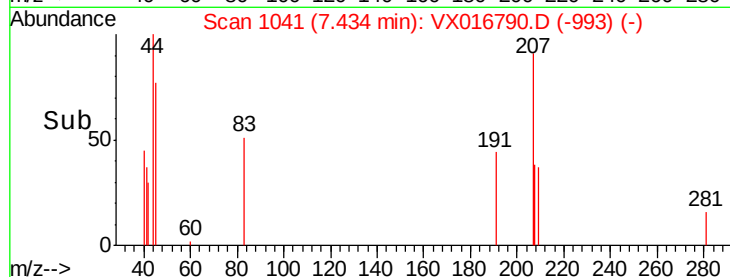
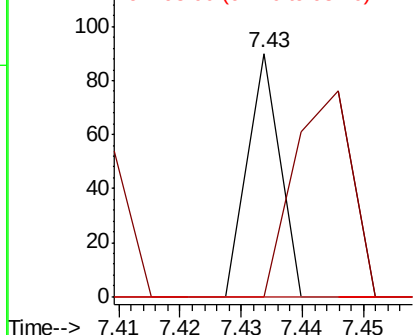
#39
Methvlcvclohexane
Concen: 0.961 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2020-1

Tot Ion	83	Resp	33
Ion Ratio	Lower	Upper	
83	100		
55	0.0	57.3	85.9#
98	0.0	40.3	60.5#

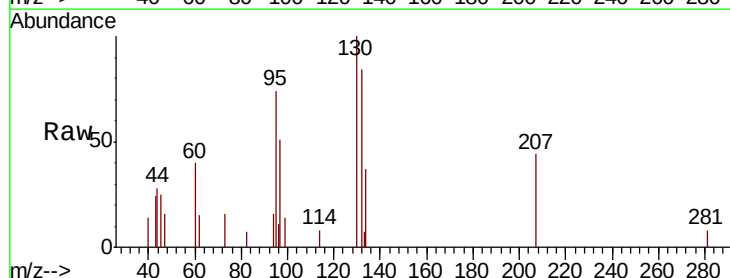


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

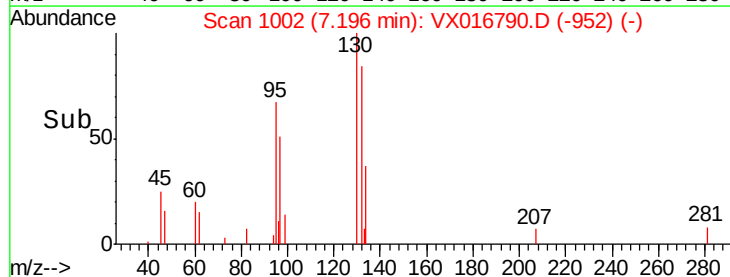
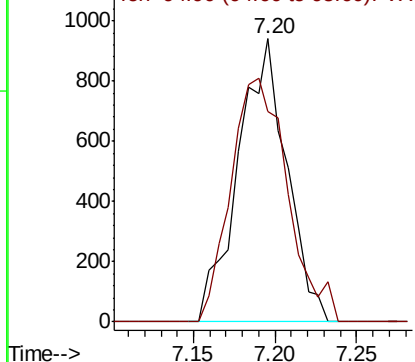


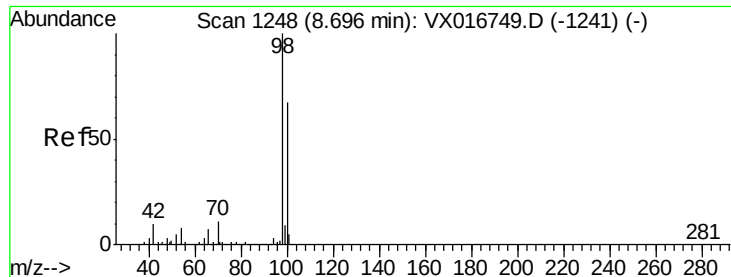
#44
Trichloroethene
Concen: 0.587 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Tgt Ion	130	Resp	1943
Ion Ratio	Lower	Upper	
130	100		
95	74.3	0.0	183.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

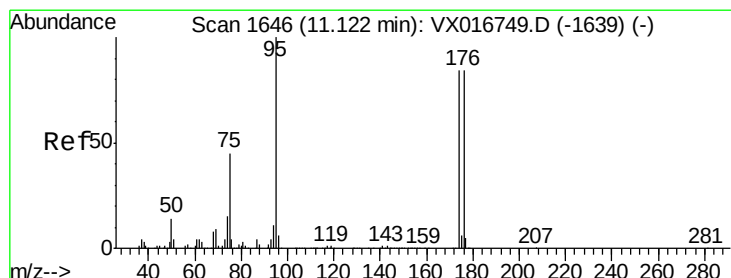
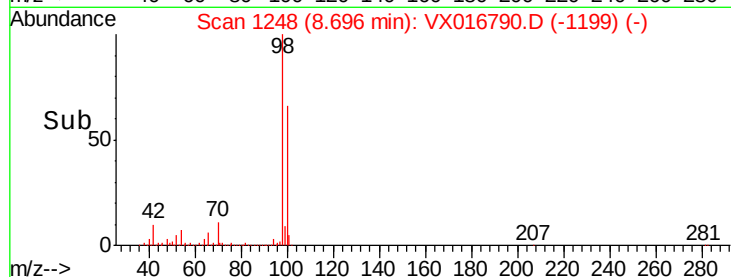
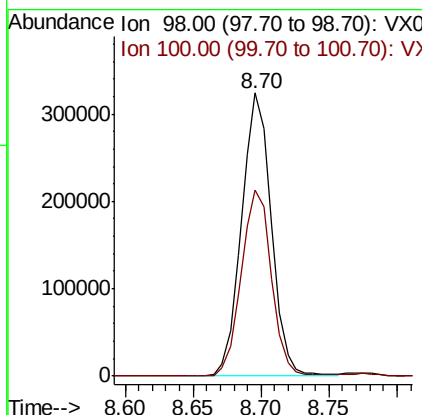
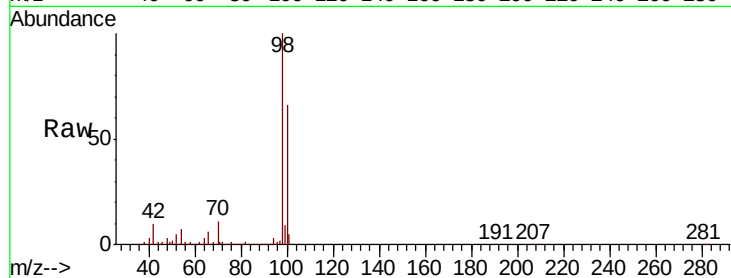




#50
Toluene-d8
Concen: 54.928 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

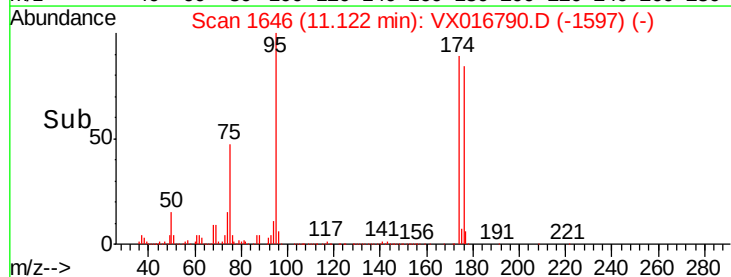
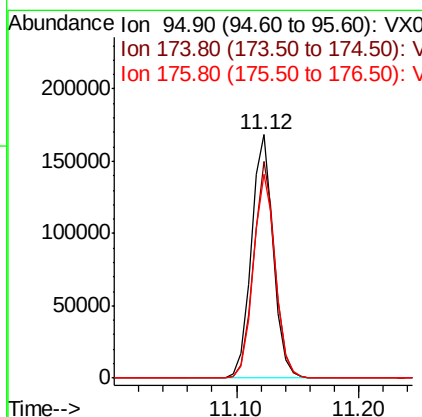
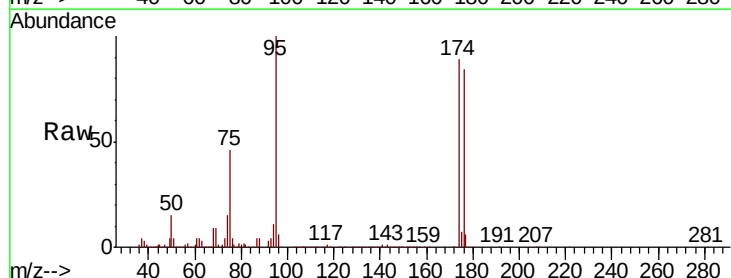
Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2020-1

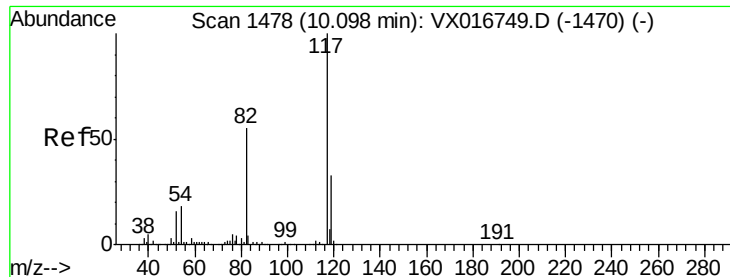
Tot Ion: 98 Resp: 497204
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 60.844 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Tgt Ion: 95 Resp: 210664
Ion Ratio Lower Upper
95 100
174 88.0 0.0 171.0
176 84.9 0.0 166.2

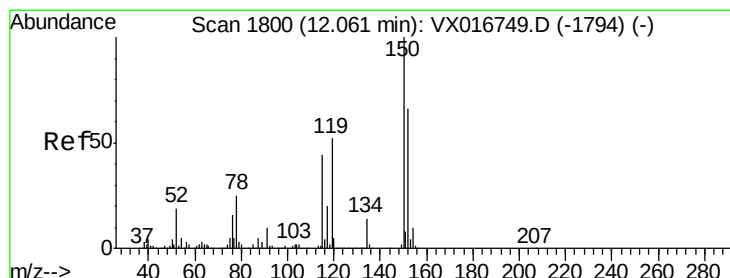
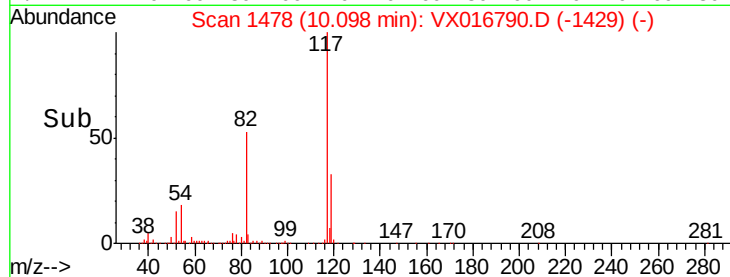
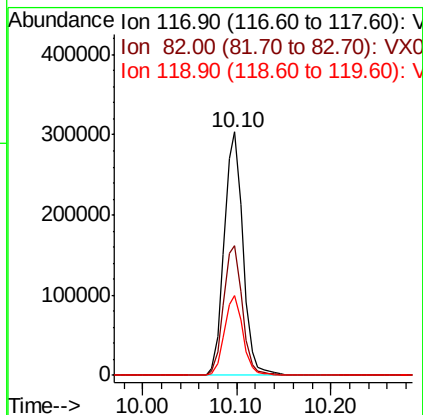
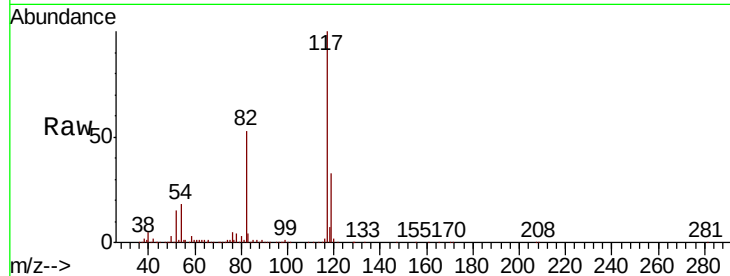




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

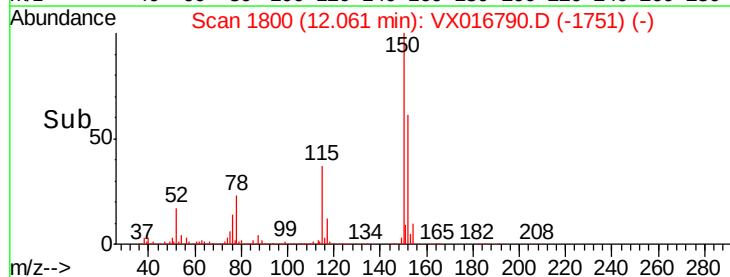
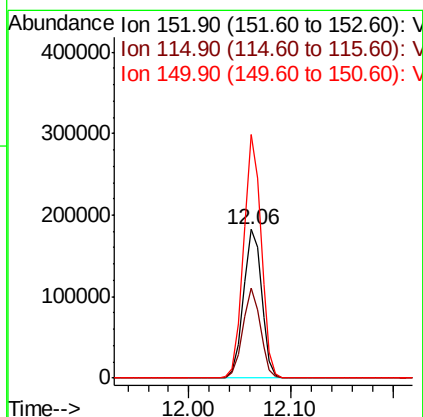
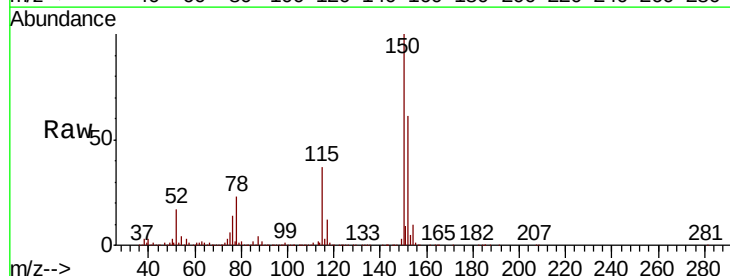
Instrument :
MSVOA_X
ClientSampleId :
S49-TB-2020-1

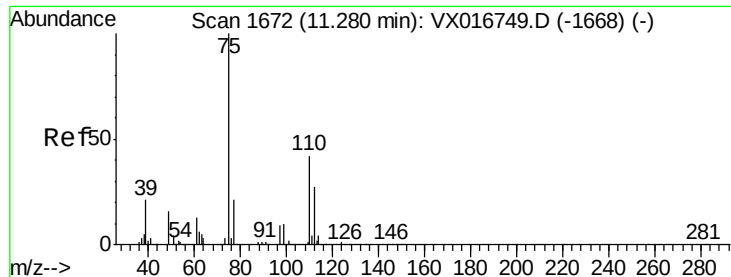
Tot Ion:117 Resp: 420215
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.6
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016790.D
Acq: 16 Jun 2020 19:16

Tgt Ion:152 Resp: 223962
Ion Ratio Lower Upper
152 100
115 57.9 40.3 120.8
150 157.8 0.0 337.4





#76

1,2,3-Trichloropropane

Concen: 21.085 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

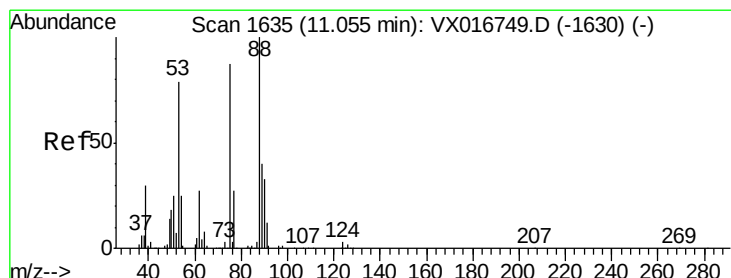
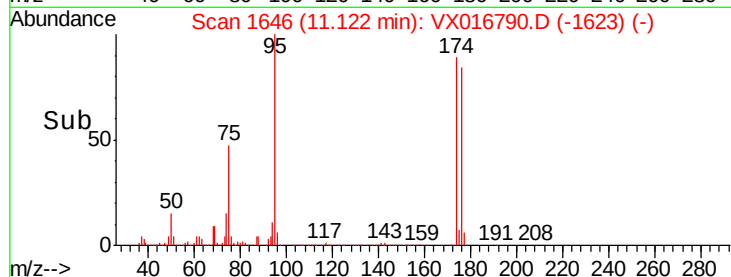
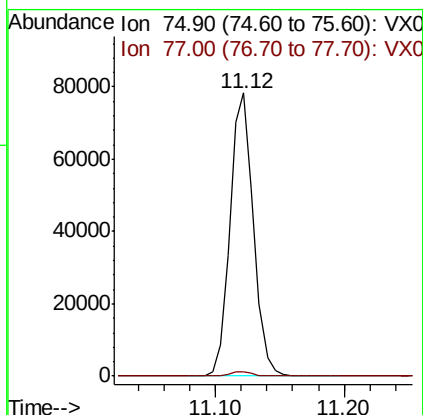
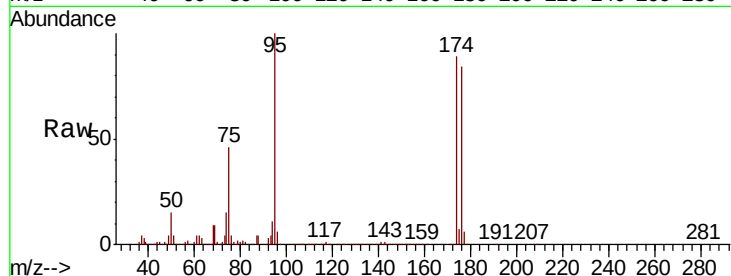
S49-TB-2020-1

Tot Ion: 75 Resp: 99307

Ion Ratio Lower Upper

75 100

77 1.6 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.081 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

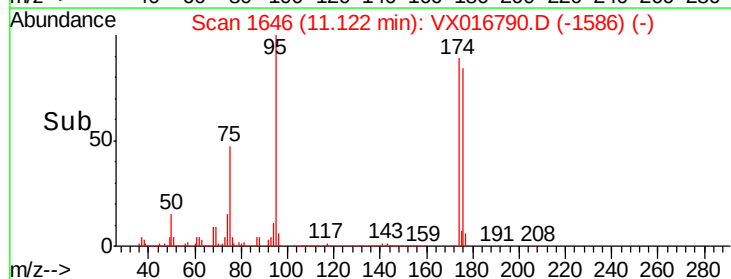
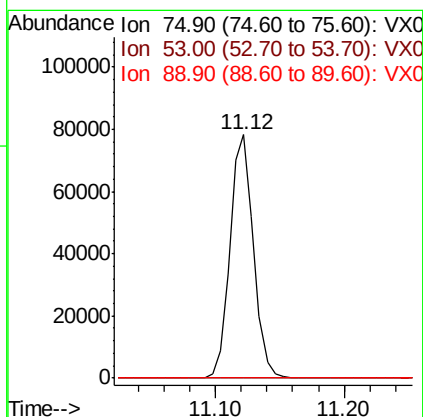
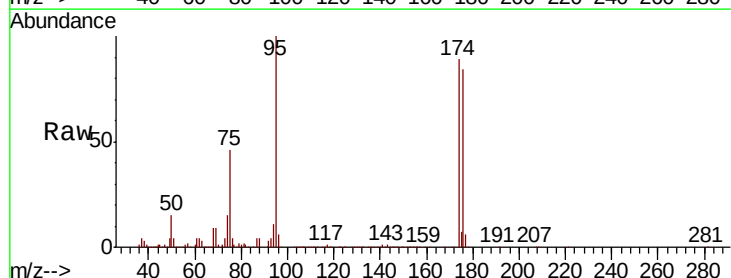
Tgt Ion: 75 Resp: 99307

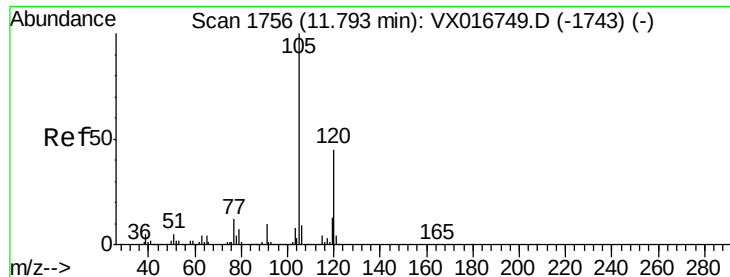
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#

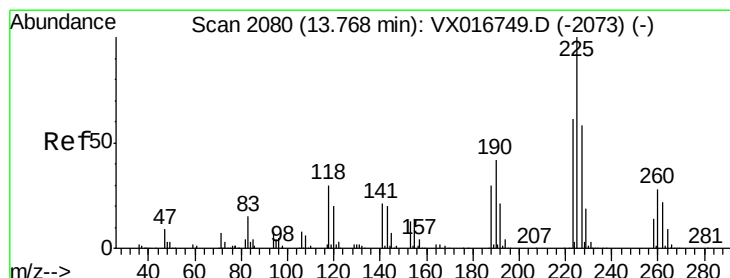
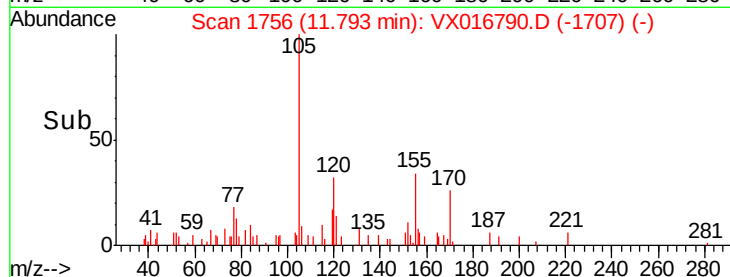
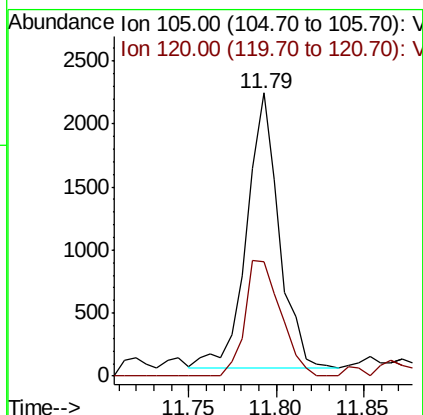
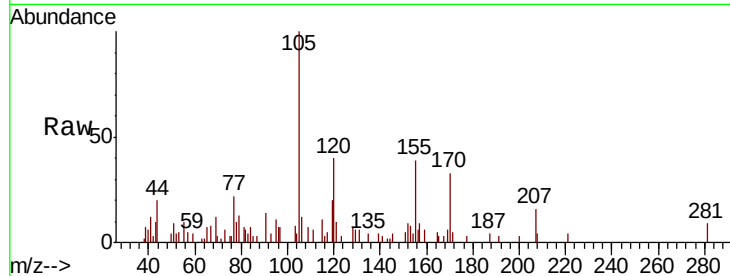




#84
 1,2,4-Trimethylbenzene
 Concen: 0.225 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

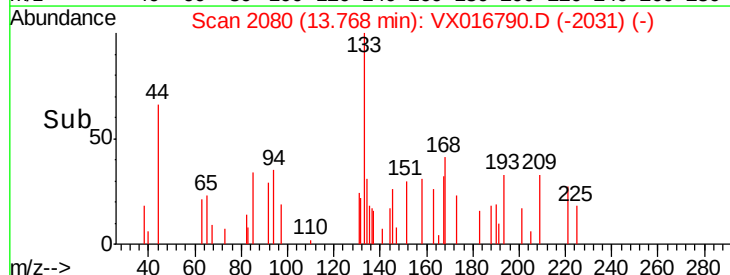
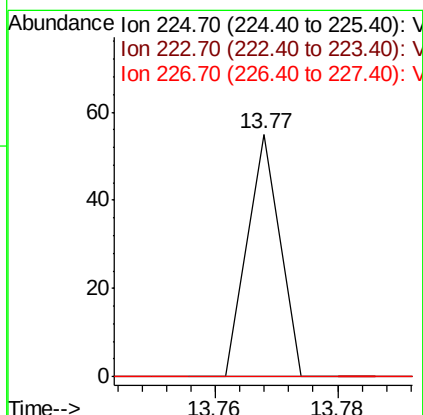
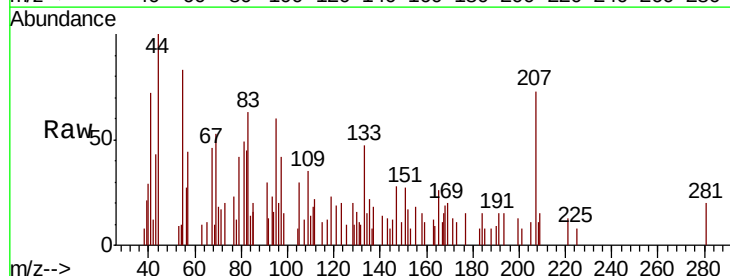
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-TB-2020-1

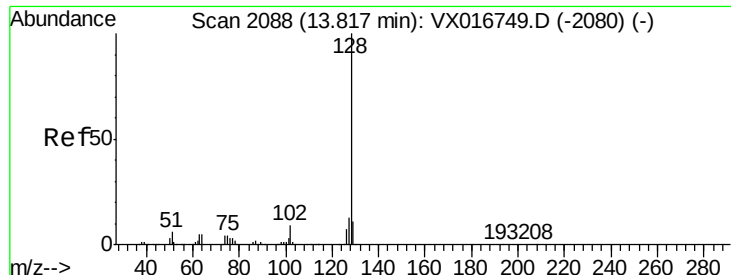
Tot Ion:105 Resp: 2809
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8



#94
 Hexachlorobutadiene
 Concen: 0.423 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016790.D
 Acq: 16 Jun 2020 19:16

Tgt Ion:225 Resp: 20
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.5#
 227 0.0 30.9 92.7#





#95

Naphthalene

Concen: 0.591 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

S49-TB-2020-1

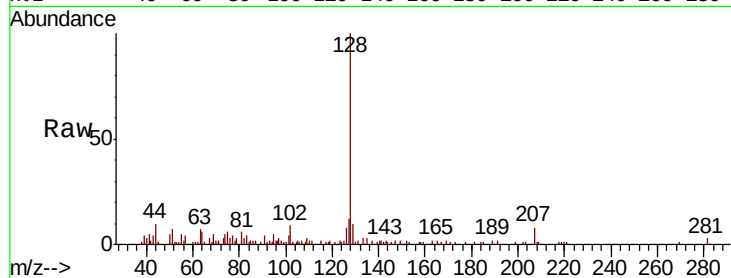
Tot Ion:128 Resp: 9089

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 10.8 8.8 13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

