

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017093.D
 Acq On : 01 Jul 2020 13:21
 Operator : JC/SP
 Sample : L3129-03 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1405-1406

Quant Time: Jul 02 01:35:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

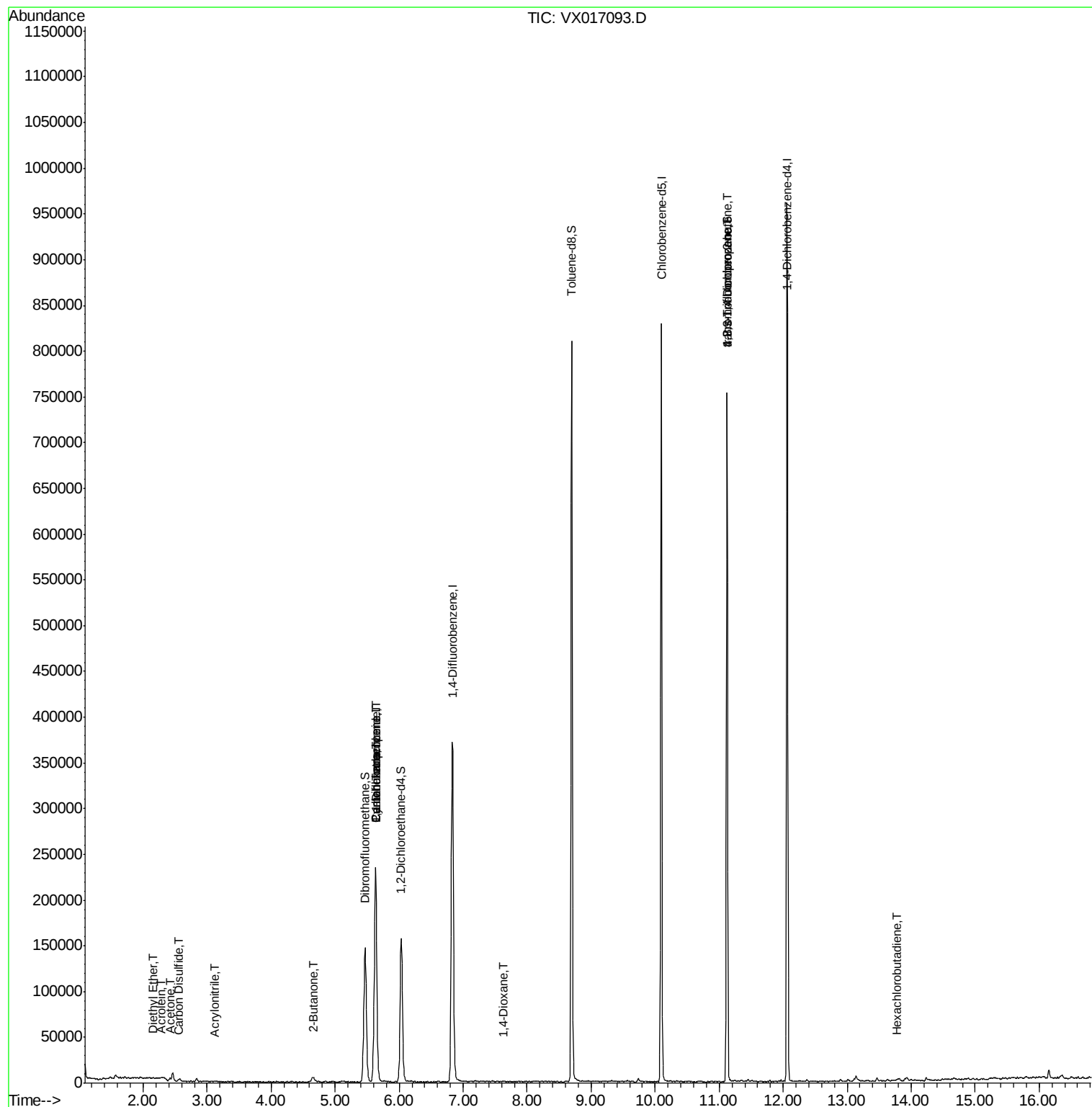
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	222486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	379697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	148517	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.30%	
35) Dibromofluoromethane	5.47	113	127705	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
50) Toluene-d8	8.70	98	463560	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.12	95	188675	54.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.68%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.16	74	113	0.459	ug/l	55
13) Acrolein	2.28	56	421	1.346	ug/l #	16
15) Acrylonitrile	3.13	53	288	0.229	ug/l #	87
16) Acetone	2.42	43	3454	3.366	ug/l	91
17) Carbon Disulfide	2.55	76	1755	0.308	ug/l	98
20) Methylene Chloride	2.84	84	1313	Below Cal	#	89
25) 2-Butanone	4.65	43	1996	1.167	ug/l	97
31) Cyclohexane	5.64	56	4839	1.307	ug/l #	9
36) 1,1-Dichloropropene	5.64	75	16941	4.721	ug/l #	51
38) Carbon Tetrachloride	5.64	117	22677	5.737	ug/l #	17
44) Trichloroethene	7.20	130	231	Below Cal		78
49) 1,4-Dioxane	7.63	88	20	0.307	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	92064	23.745	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92064	61.492	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	402	Below Cal		87
94) Hexachlorobutadiene	13.77	225	39	0.869	ug/l #	38

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

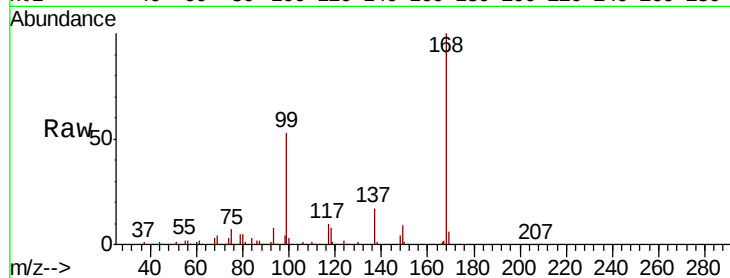
1405-1406

Tot Ion:168 Resp: 222486

Ion Ratio Lower Upper

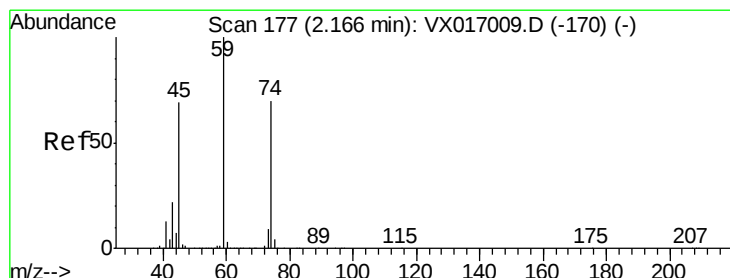
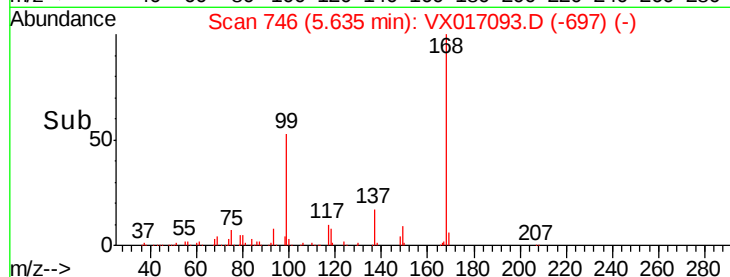
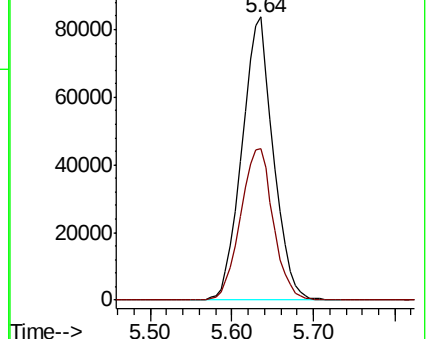
168 100

99 53.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.459 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017093.D

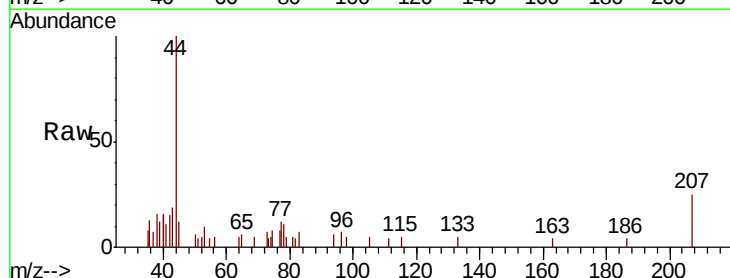
Acq: 01 Jul 2020 13:21

Tgt Ion: 74 Resp: 113

Ion Ratio Lower Upper

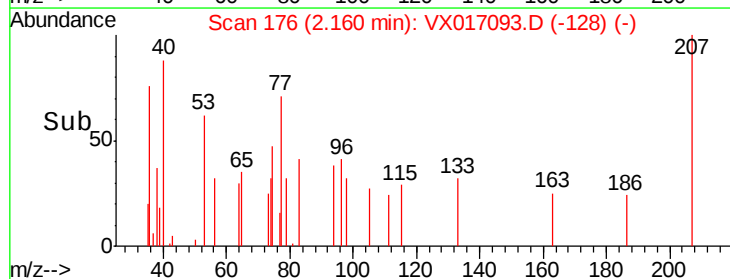
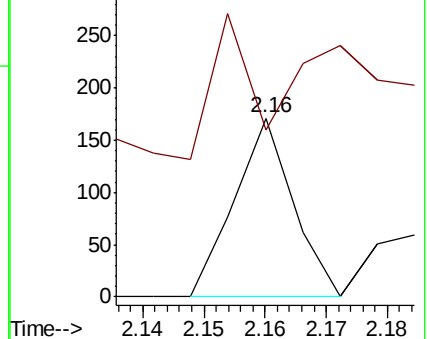
74 100

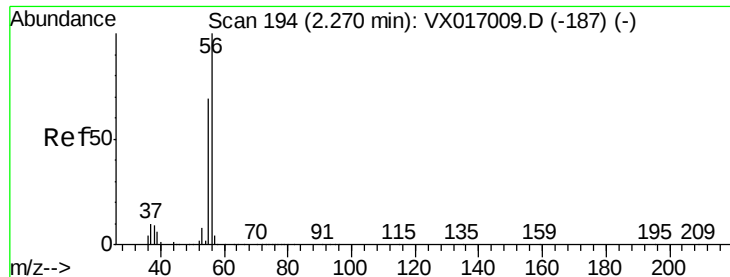
45 54.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

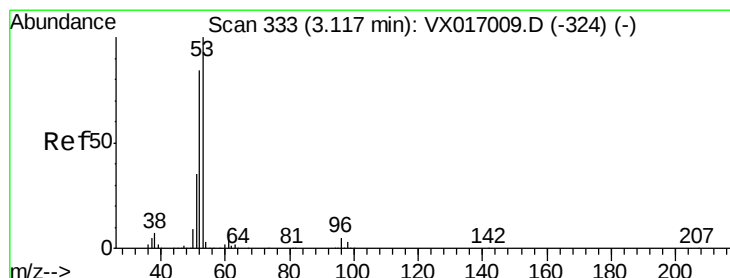
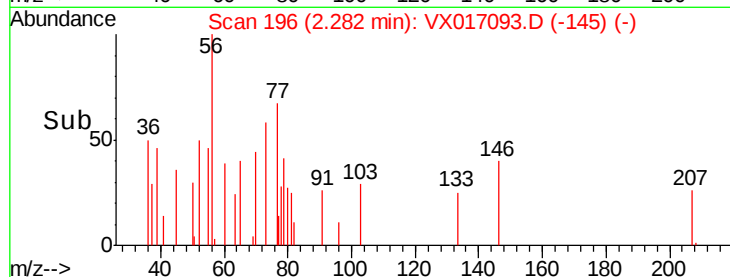
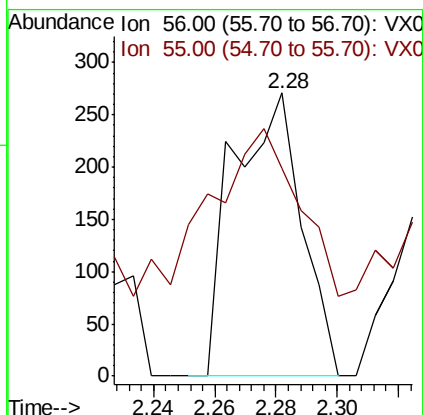
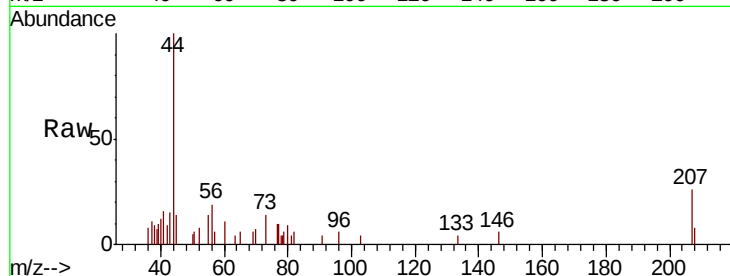




#13
Acrolein
Concen: 1.346 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

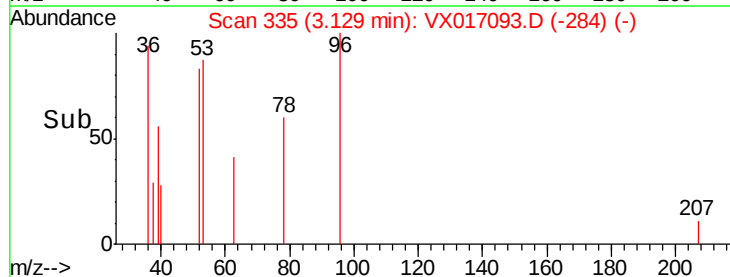
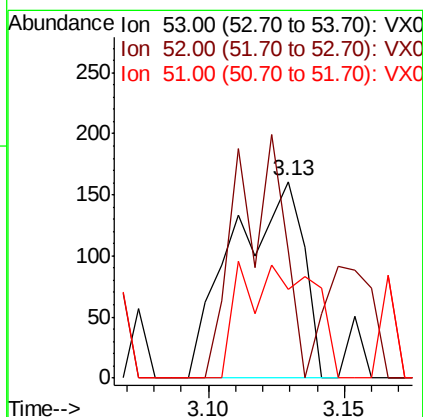
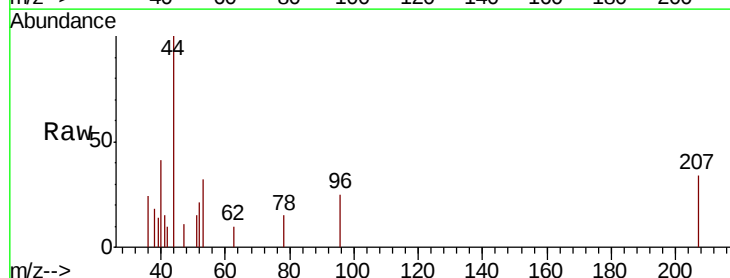
Instrument :
MSVOA_X
ClientSampleId :
1405-1406

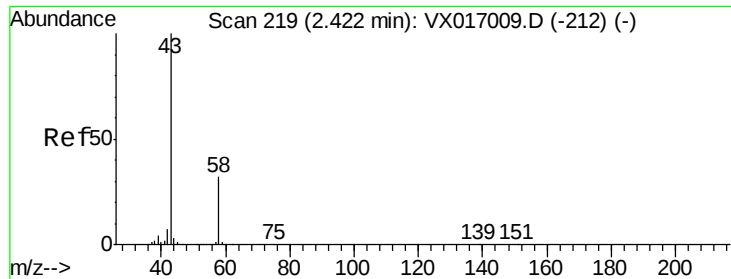
Tot Ion: 56 Resp: 421
Ion Ratio Lower Upper
56 100
55 138.5 55.7 83.5#



#15
Acrylonitrile
Concen: 0.229 ug/l
RT: 3.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion: 53 Resp: 288
Ion Ratio Lower Upper
53 100
52 81.9 65.6 98.4
51 60.1 28.3 42.5#





#16

Acetone

Concen: 3.366 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

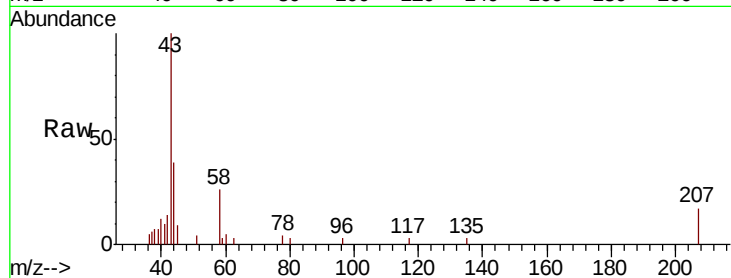
1405-1406

Tot Ion: 43 Resp: 3454

Ion Ratio Lower Upper

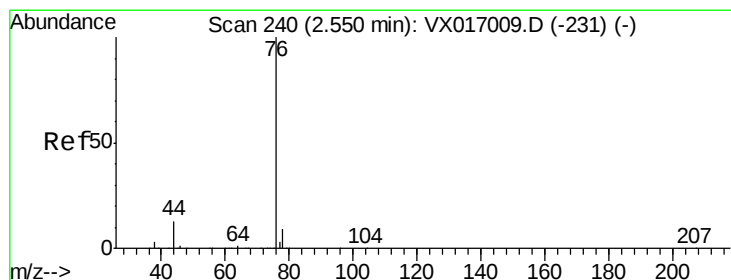
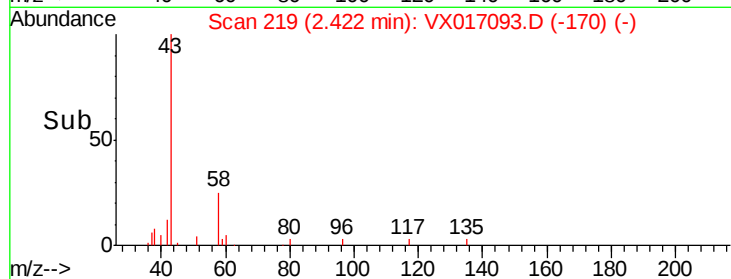
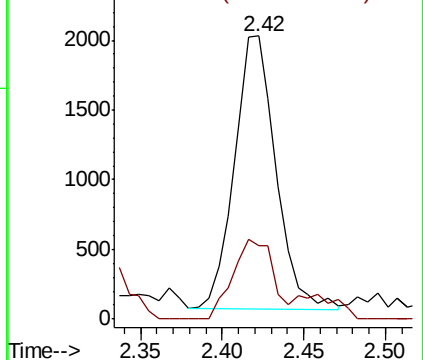
43 100

58 26.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.308 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017093.D

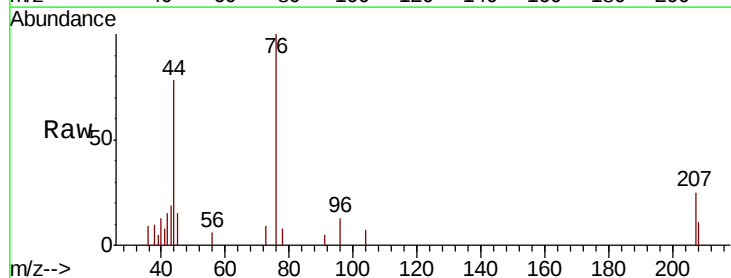
Acq: 01 Jul 2020 13:21

Tgt Ion: 76 Resp: 1755

Ion Ratio Lower Upper

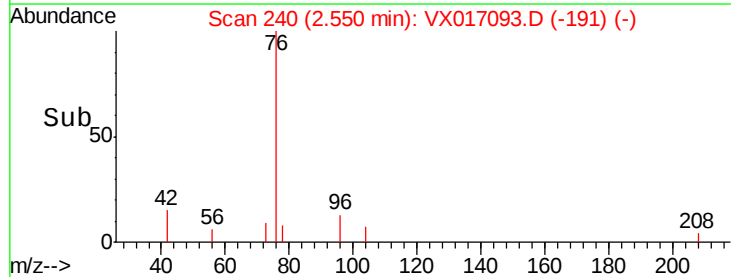
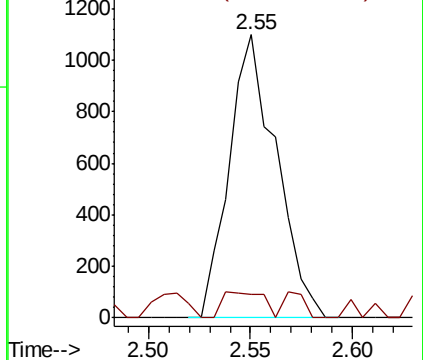
76 100

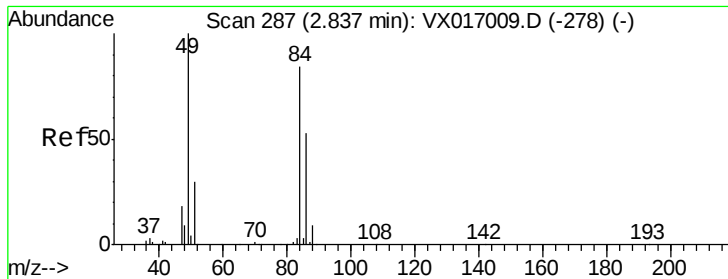
78 8.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

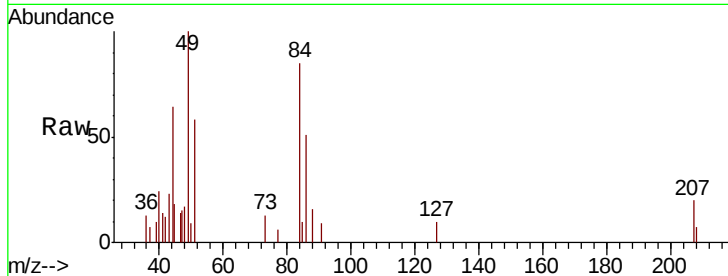




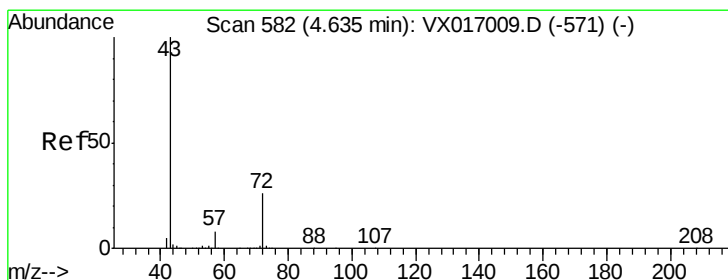
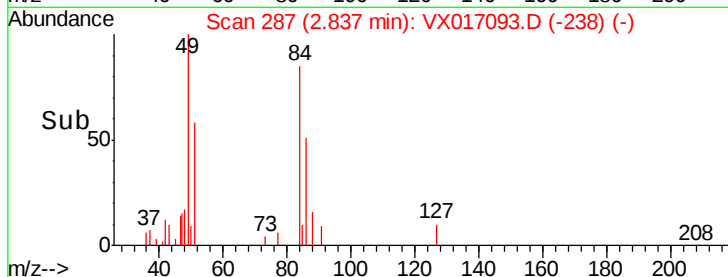
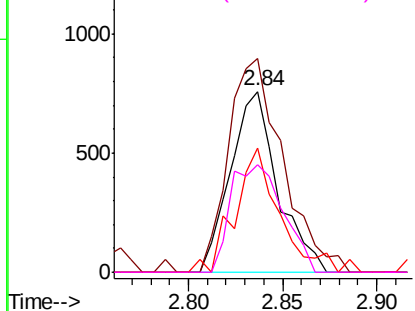
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Instrument :
MSVOA_X
ClientSampled :
1405-1406

Tot Ion: 84 Resp: 1313
Ion Ratio Lower Upper
84 100
49 118.1 94.7 142.1
51 68.8 28.6 42.8#
86 59.7 50.5 75.7

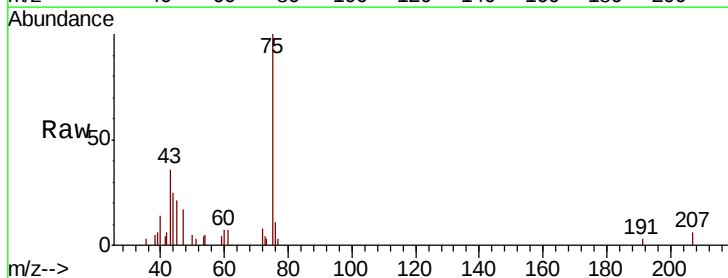


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

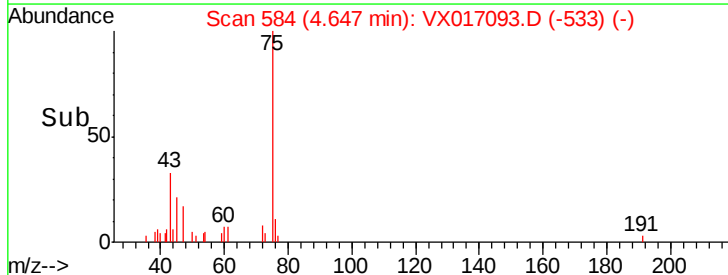
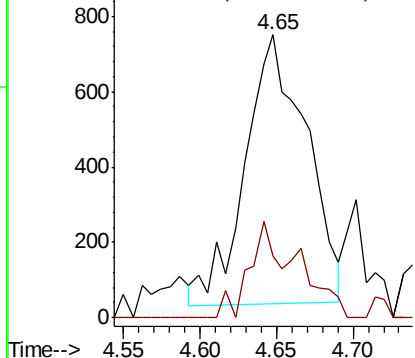


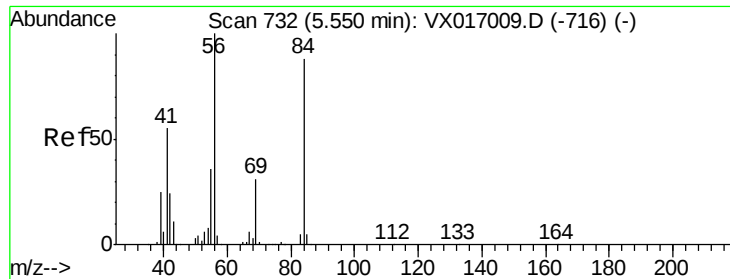
#25
2-Butanone
Concen: 1.167 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
72 24.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

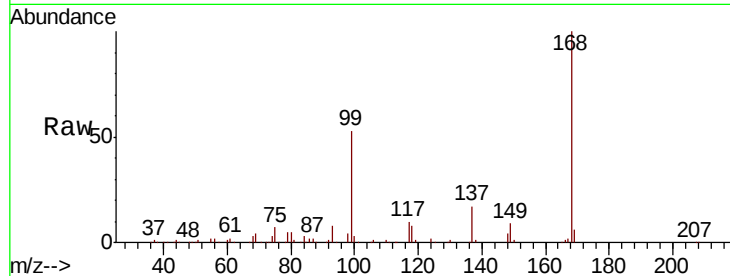




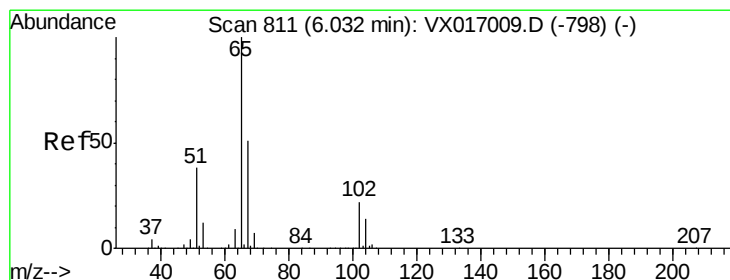
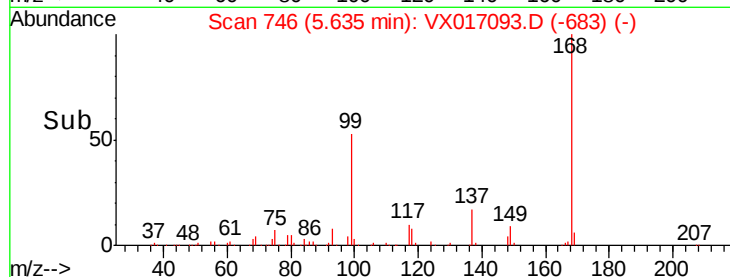
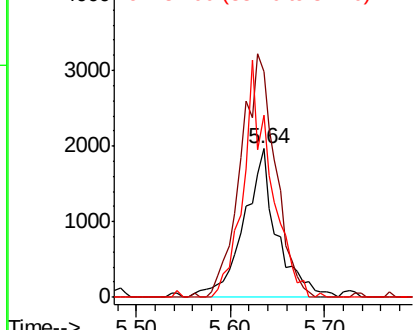
#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Instrument :
MSVOA_X
ClientSampleId :
1405-1406

Tot Ion: 56 Resp: 4839
Ion Ratio Lower Upper
56 100
69 151.9 25.0 37.4#
84 127.3 69.1 103.7#

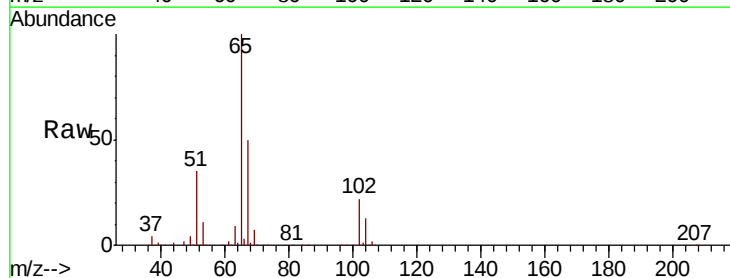


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

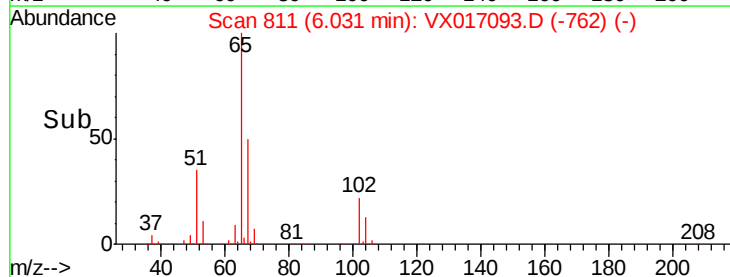
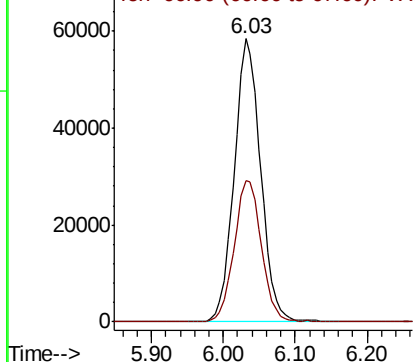


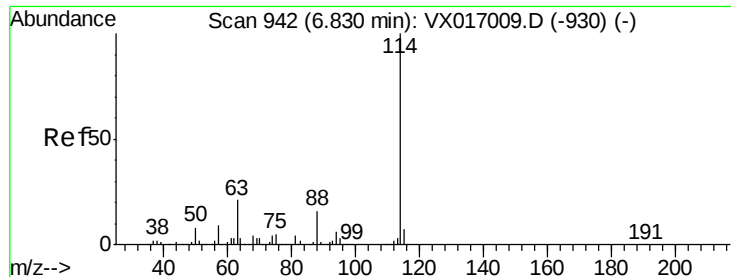
#33
1,2-Dichloroethane-d4
Concen: 54.148 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion: 65 Resp: 148517
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8



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

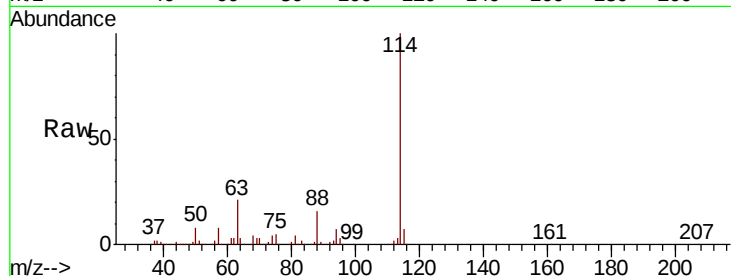




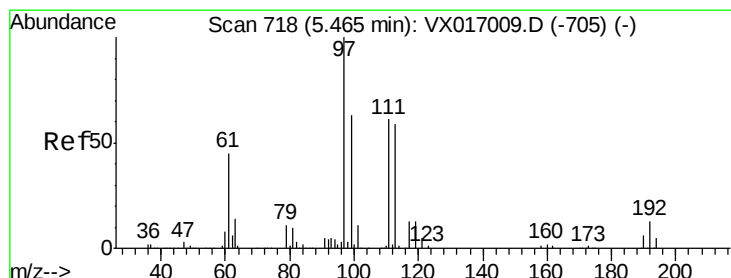
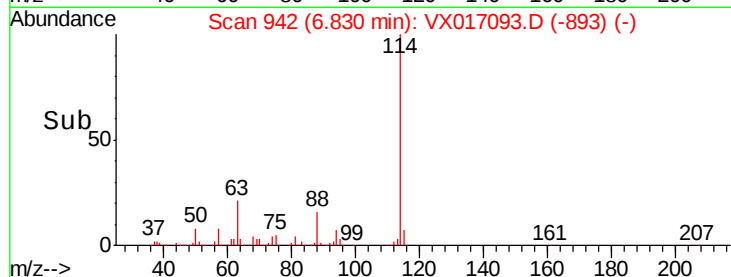
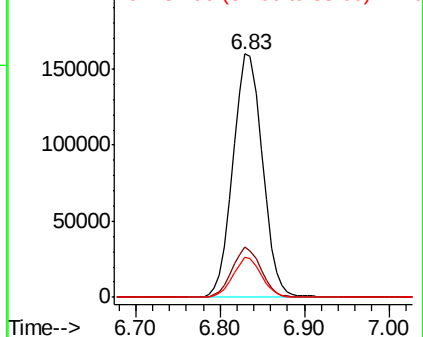
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Instrument :
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ClientSampleId :
1405-1406

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	16.3	0.0	32.4

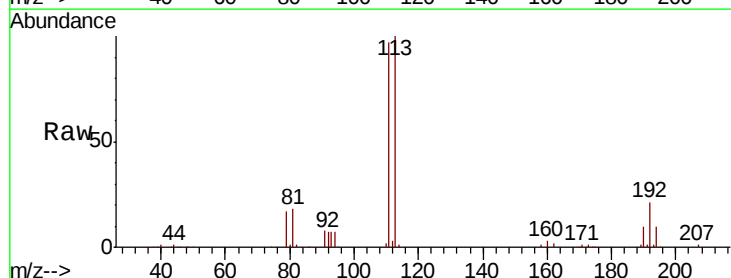


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

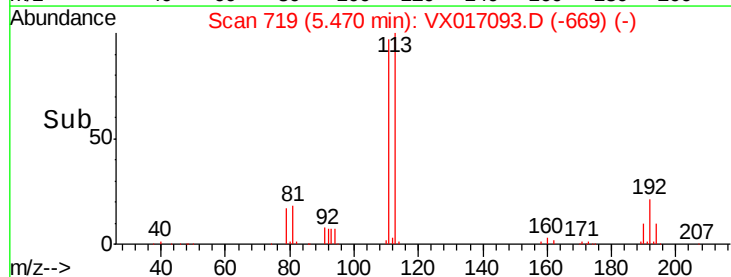
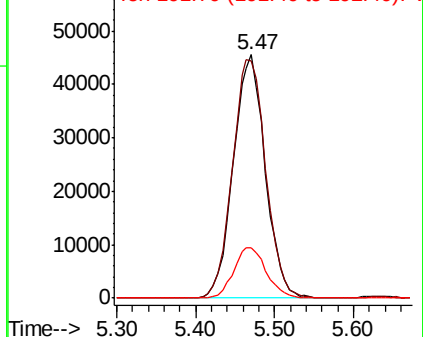


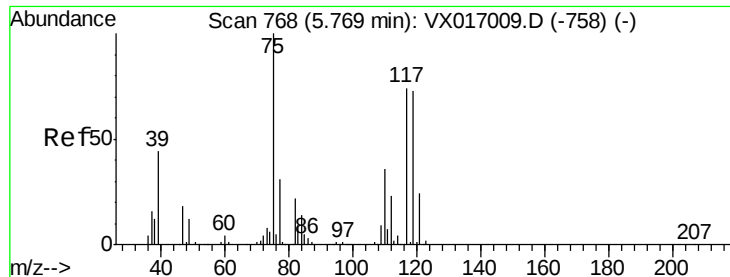
#35
Dibromofluoromethane
Concen: 53.169 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	21.3	16.7	25.1



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

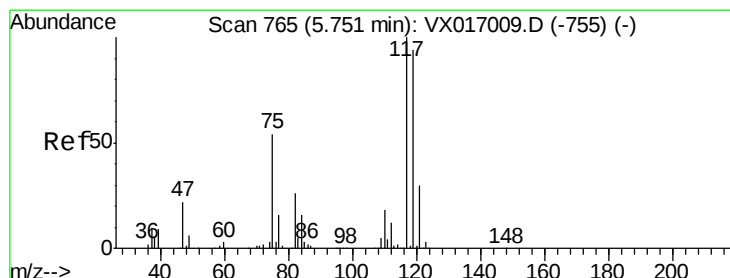
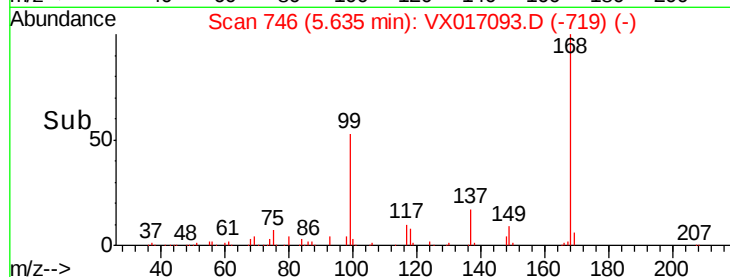
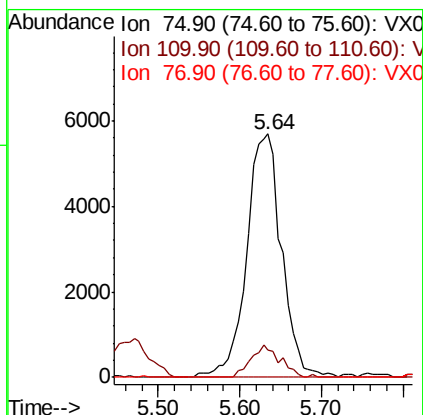
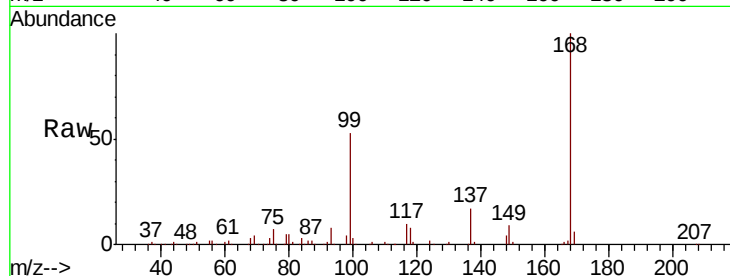




#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017093.D
 Acq: 01 Jul 2020 13:21

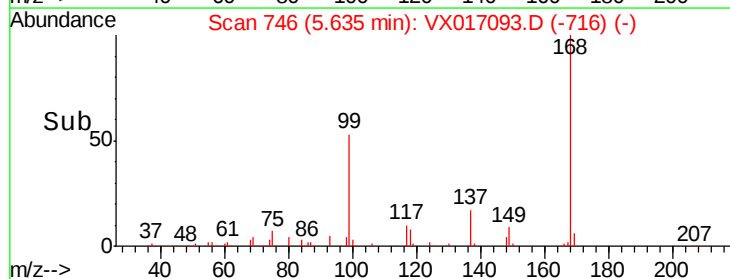
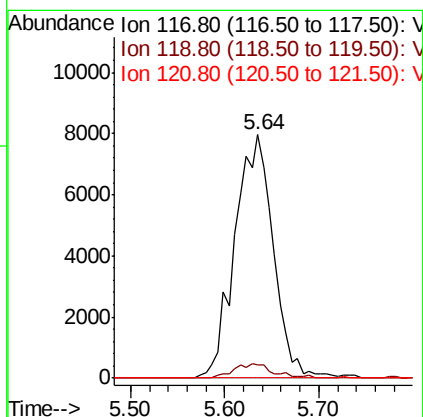
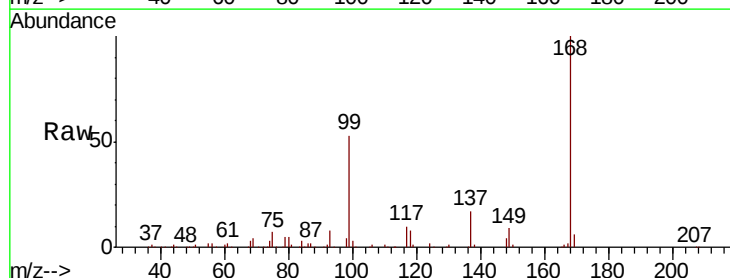
Instrument :
 MSVOA_X
 ClientSampleId :
 1405-1406

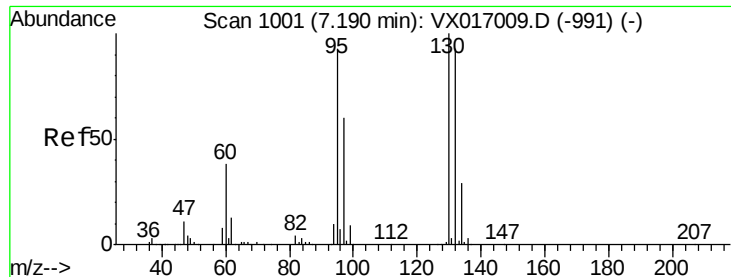
Tot Ion: 75 Resp: 16941
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017093.D
 Acq: 01 Jul 2020 13:21

Tgt Ion:117 Resp: 22677
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

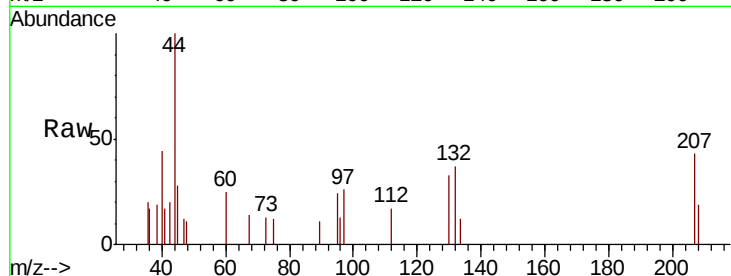
1405-1406

Tot Ion:130 Resp: 231

Ion Ratio Lower Upper

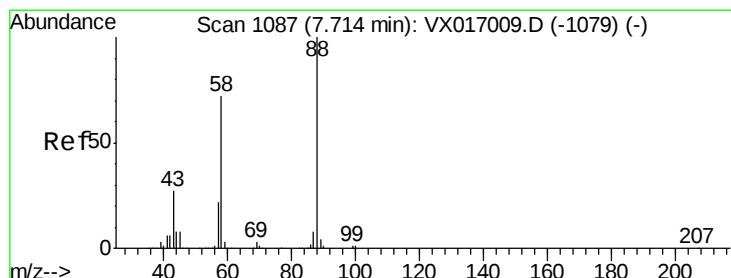
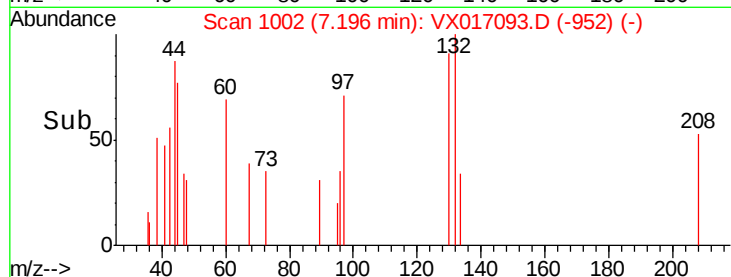
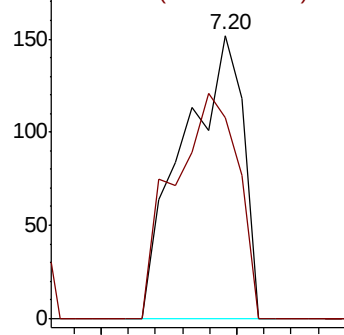
130 100

95 71.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.307 ug/l

RT: 7.63 min Scan# 1073

Delta R.T. -0.09 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

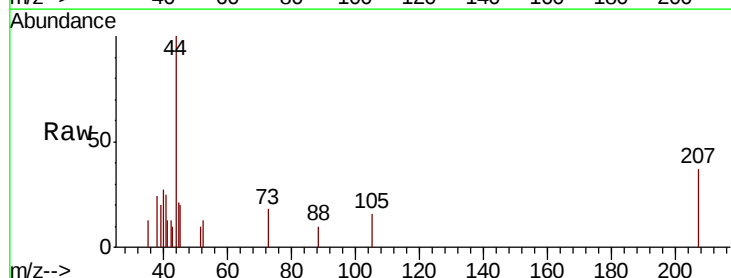
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 350.0 25.8 38.8#

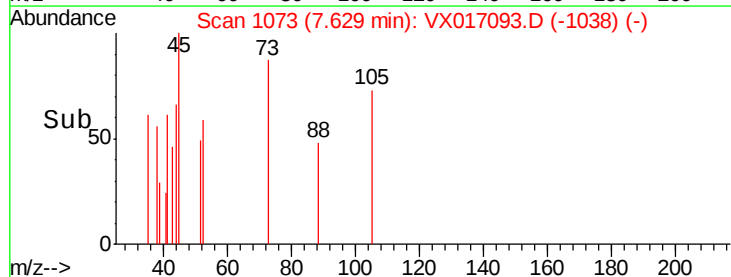
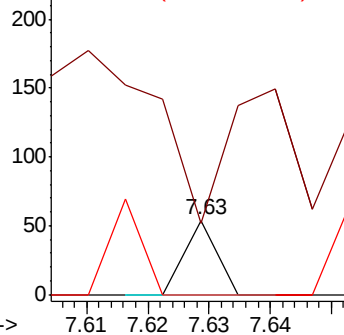
58 0.0 54.8 82.2#

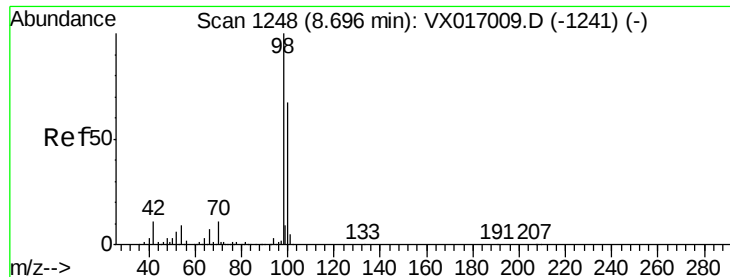


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

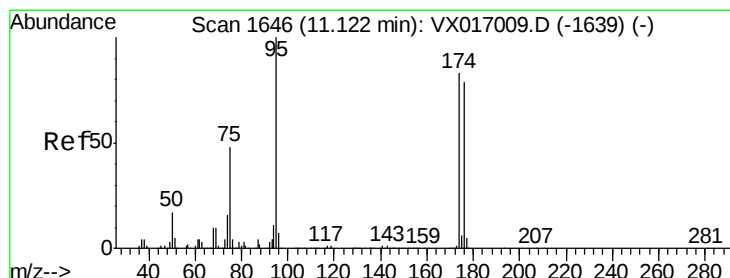
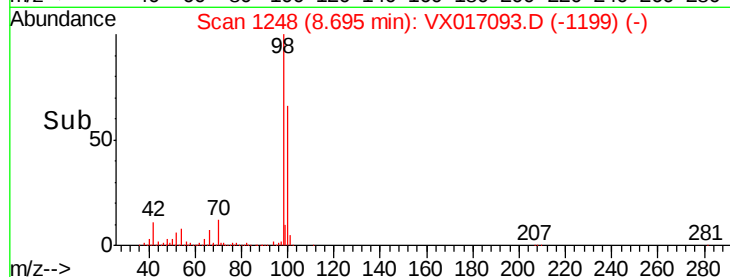
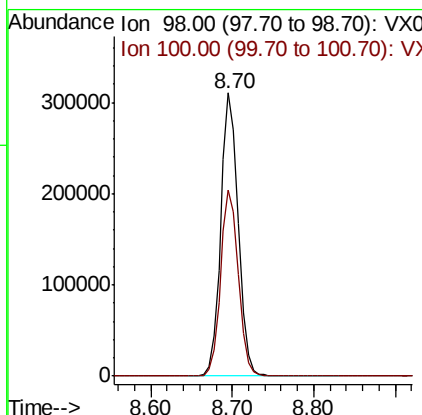
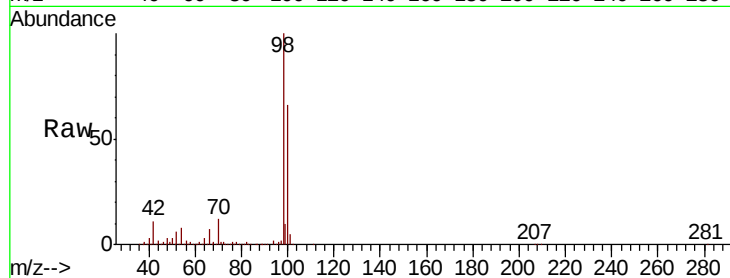




#50
Toluene-d8
Concen: 52.194 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

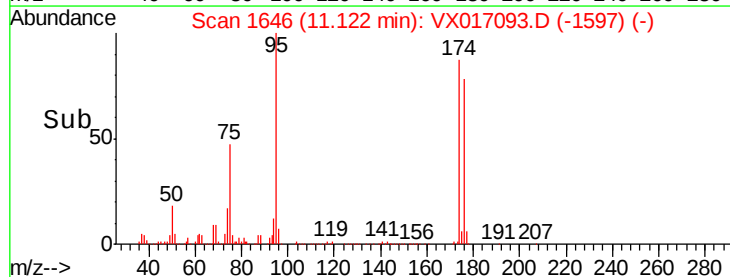
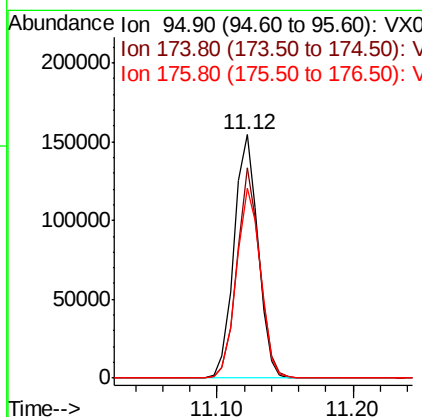
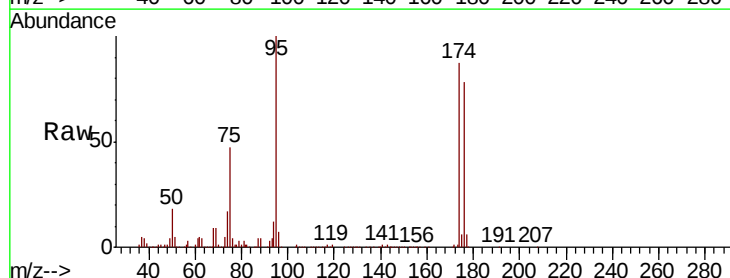
Instrument :
MSVOA_X
ClientSampleId :
1405-1406

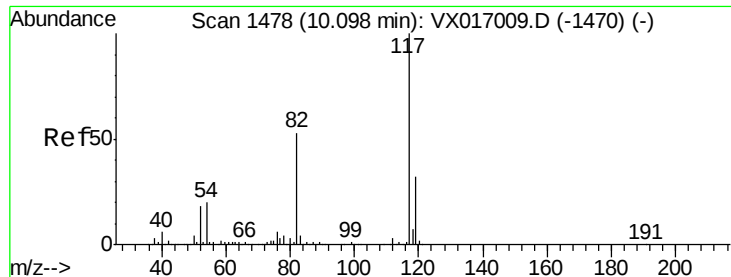
Tot Ion: 98 Resp: 463560
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 54.343 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion: 95 Resp: 188675
Ion Ratio Lower Upper
95 100
174 82.4 0.0 164.0
176 79.1 0.0 157.6

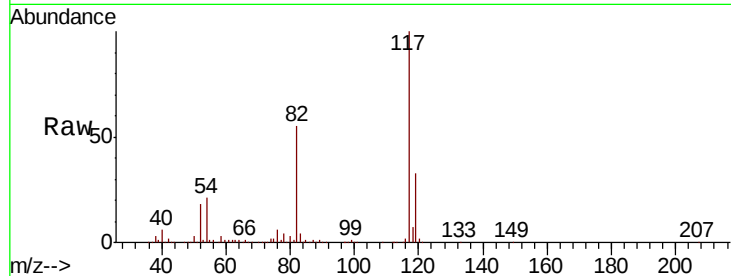




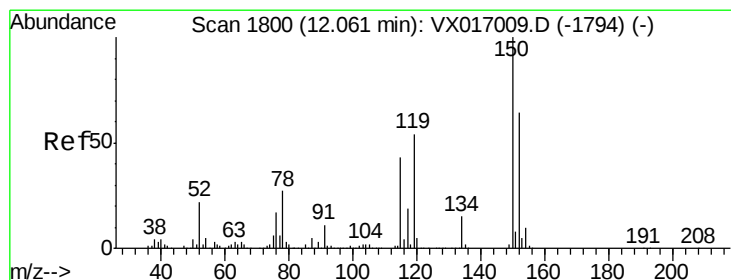
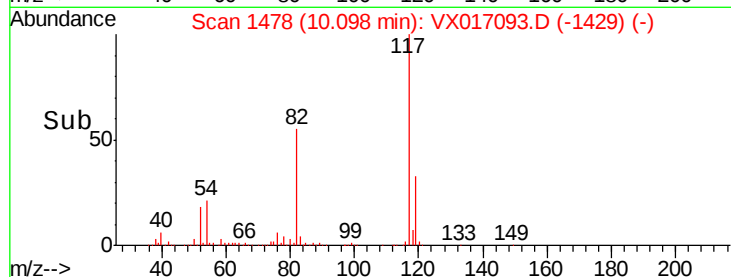
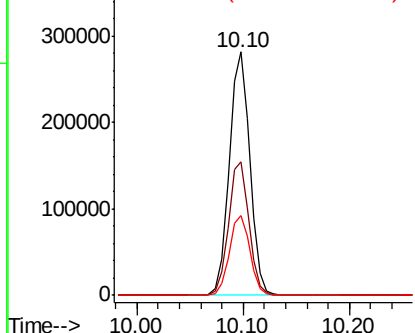
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Instrument :
MSVOA_X
ClientSampleId :
1405-1406

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.6	63.8
119	32.9	25.4	38.2

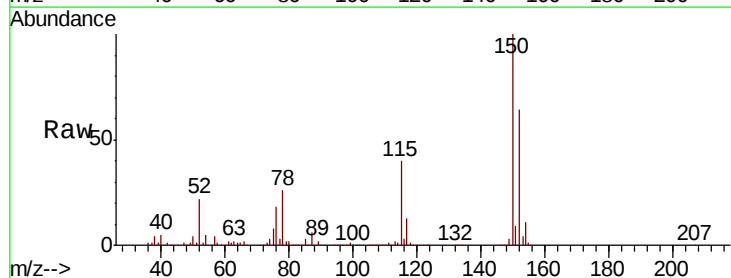


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

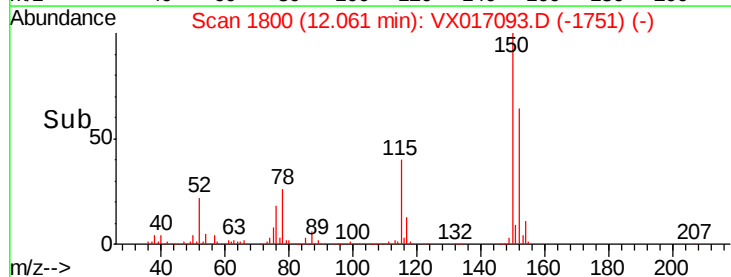
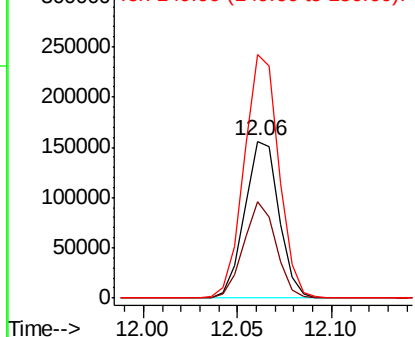


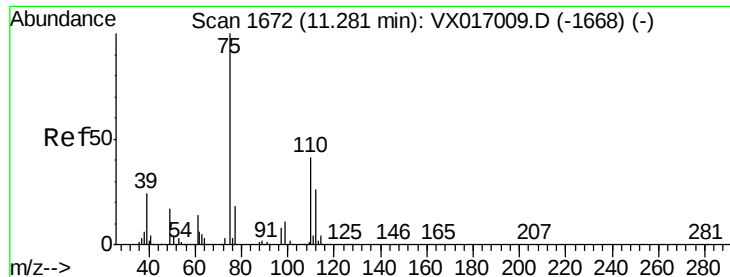
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017093.D
Acq: 01 Jul 2020 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	40.9	122.7
150	156.8	0.0	351.6



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: 23.745 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

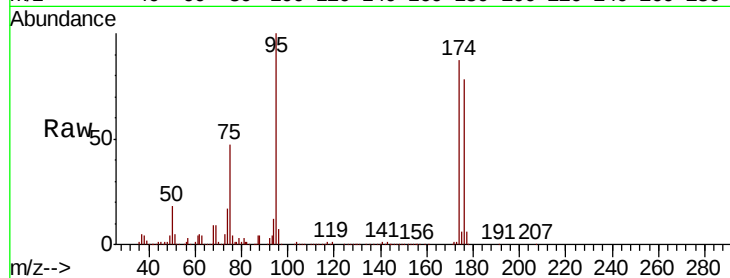
1405-1406

Tot Ion: 75 Resp: 92064

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

80000

60000

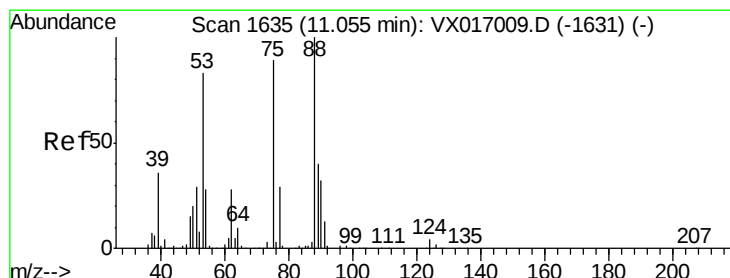
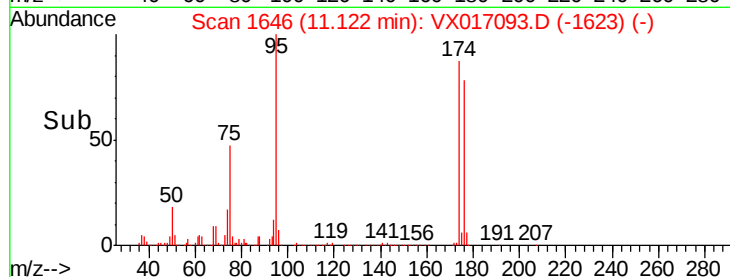
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.492 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017093.D

Acq: 01 Jul 2020 13:21

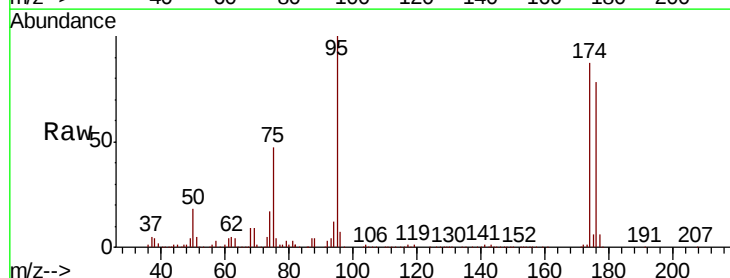
Tgt Ion: 75 Resp: 92064

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#



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

100000

80000

60000

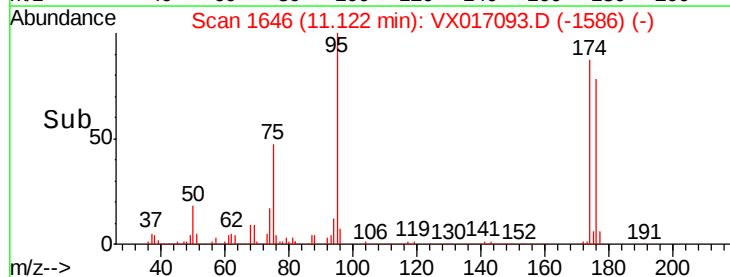
40000

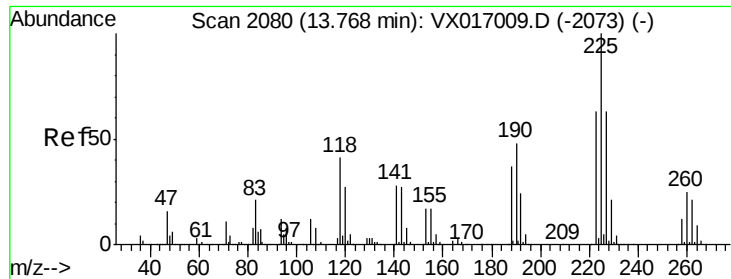
20000

0

Time-->

11.10 11.20

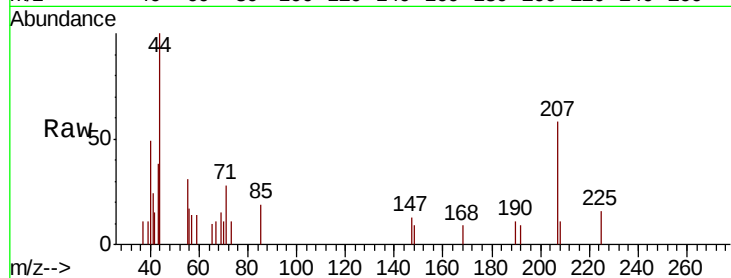




#94
 Hexachlorobutadiene
 Concen: 0.869 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017093.D
 Acq: 01 Jul 2020 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 1405-1406

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.5#
227	100.0	33.1	99.2#



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

