

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017327.D
 Acq On : 10 Jul 2020 11:52
 Operator : JC/SP
 Sample : VX0710WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:59:34 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	5.63	168	234634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	384768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	394837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198954	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	154091	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	5.46	113	130525	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	8.70	98	467462	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.12	95	187955	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

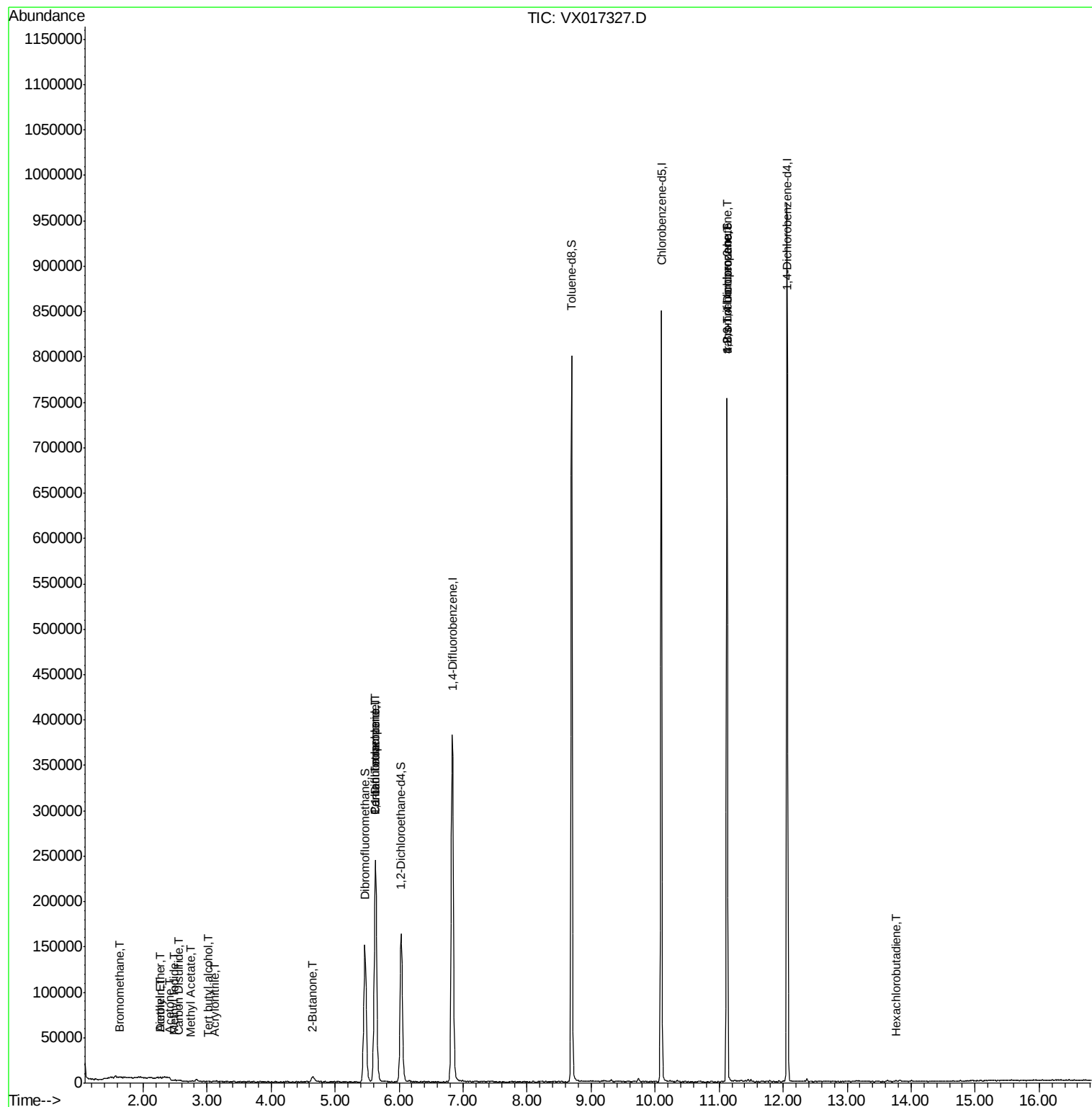
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	671	0.498	ug/l #	53
8) Diethyl Ether	2.27	74	181	0.507	ug/l	68
10) Methyl Iodide	2.49	142	865	0.297	ug/l #	86
11) Tert butyl alcohol	3.01	59	116	0.210	ug/l #	83
13) Acrolein	2.28	56	452	1.370	ug/l #	64
15) Acrylonitrile	3.12	53	331	0.250	ug/l #	34
16) Acetone	2.42	43	451	0.417	ug/l #	81
17) Carbon Disulfide	2.54	76	1613	0.272	ug/l #	92
18) Methyl Acetate	2.75	43	717	0.254	ug/l #	81
20) Methylene Chloride	2.84	84	1139	Below Cal	#	67
25) 2-Butanone	4.64	43	394	0.219	ug/l #	49
36) 1,1-Dichloropropene	5.63	75	17193	4.728	ug/l #	51
38) Carbon Tetrachloride	5.63	117	22703	5.668	ug/l #	16
44) Trichloroethene	7.18	130	309	Below Cal		85
76) 1,2,3-Trichloropropane	11.12	75	94262	24.094	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94262	62.394	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	552	Below Cal		96
94) Hexachlorobutadiene	13.76	225	369	1.075	ug/l #	61

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

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ClientSampleId :

Quant Time: Jul 11 00:59:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

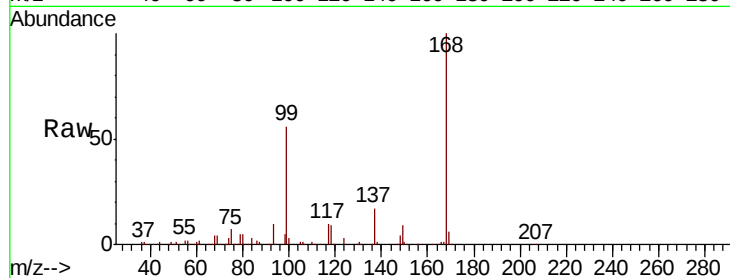
ClientSampleId :

Tot Ion:168 Resp: 234634

Ion Ratio Lower Upper

168 100

99 55.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

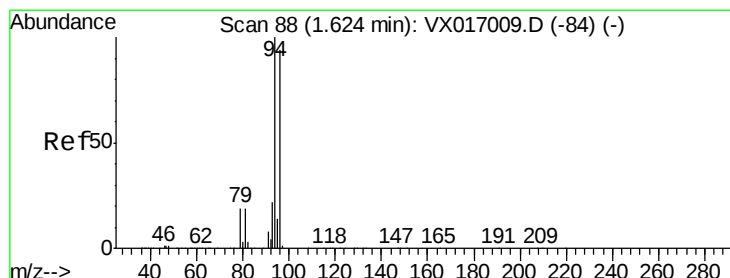
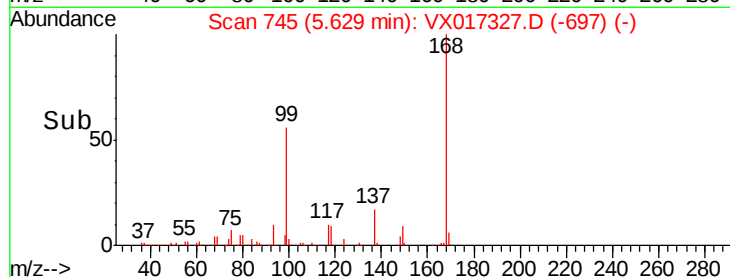
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.498 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017327.D

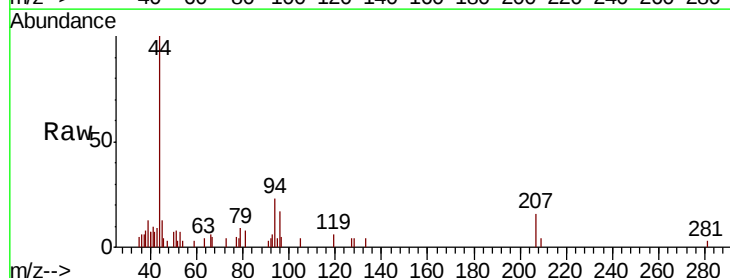
Acq: 10 Jul 2020 11:52

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

94 100

96 48.8 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

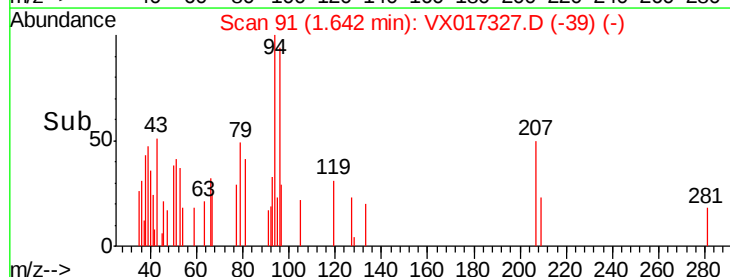
200

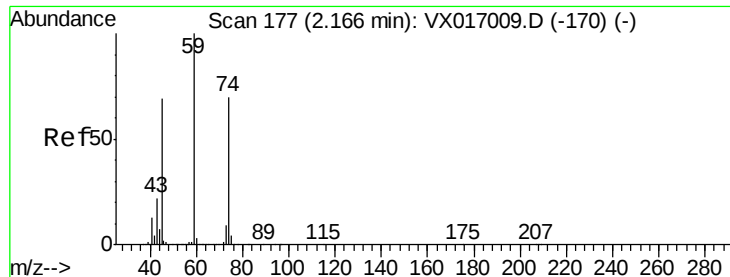
100

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 0.507 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

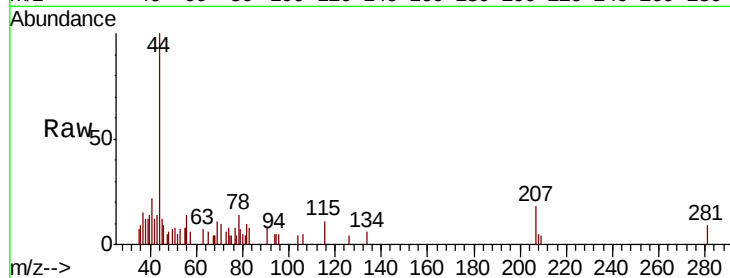
ClientSampled :

Tot Ion: 74 Resp: 181

Ion Ratio Lower Upper

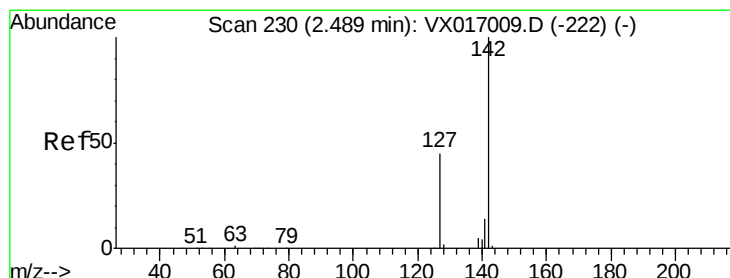
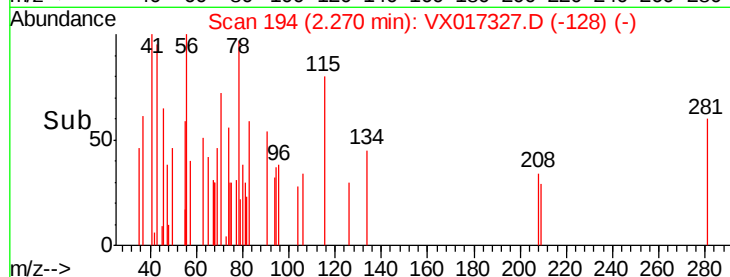
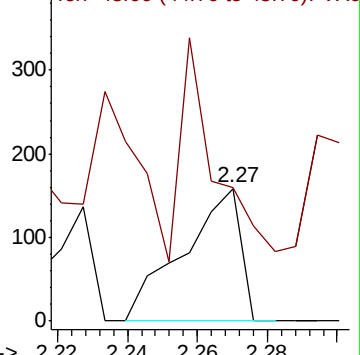
74 100

45 131.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.297 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

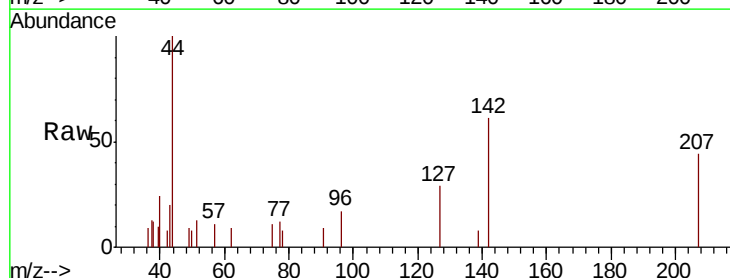
Tgt Ion: 142 Resp: 865

Ion Ratio Lower Upper

142 100

127 50.6 36.6 54.8

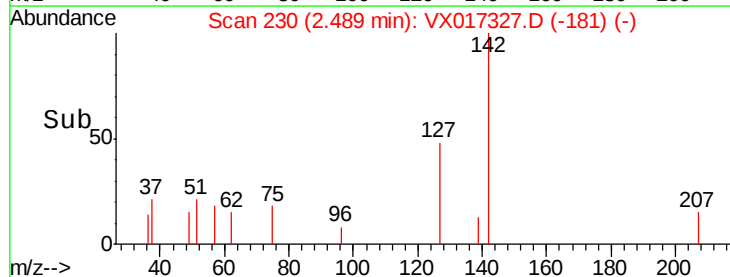
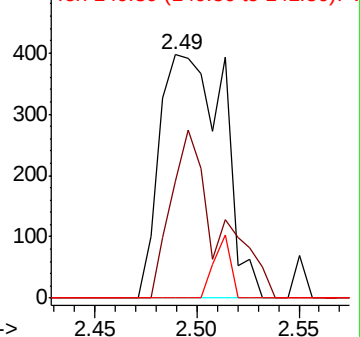
141 0.0 11.6 17.4#

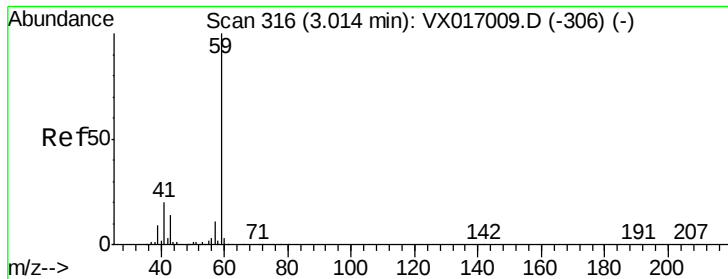


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



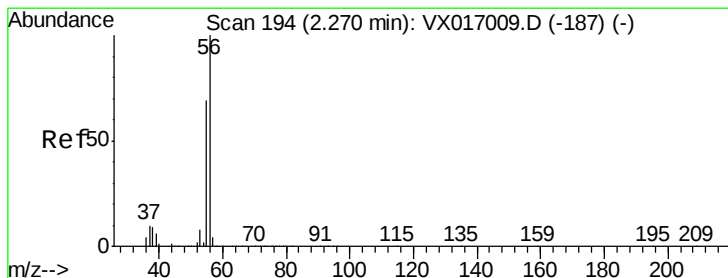
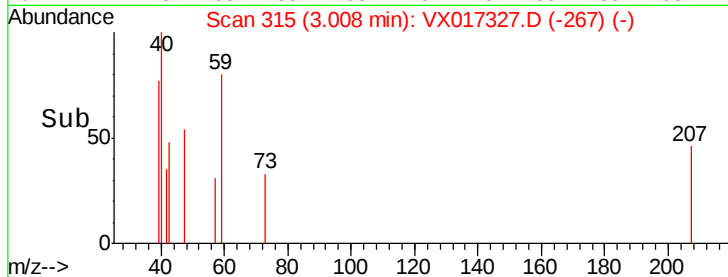
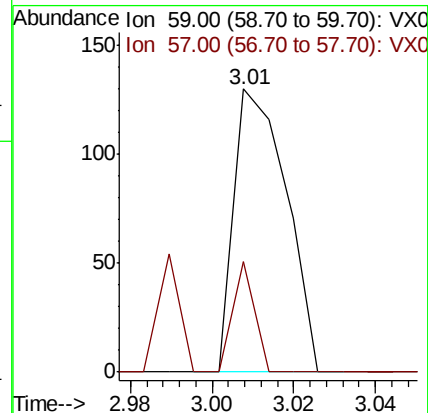
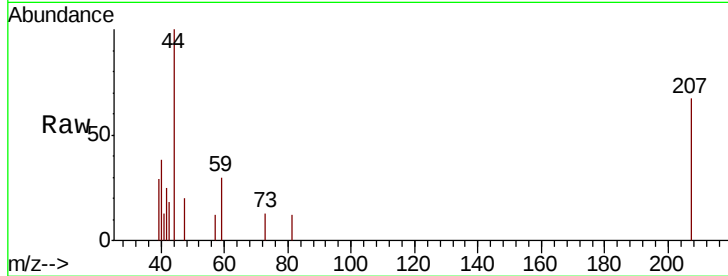


#11

Tert butvl alcohol
Concen: 0.210 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Instrument :
MSVOA_X
ClientSampled :

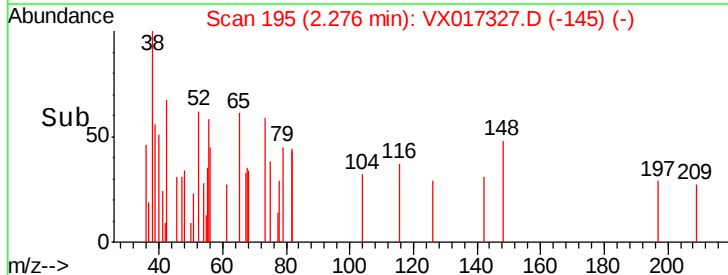
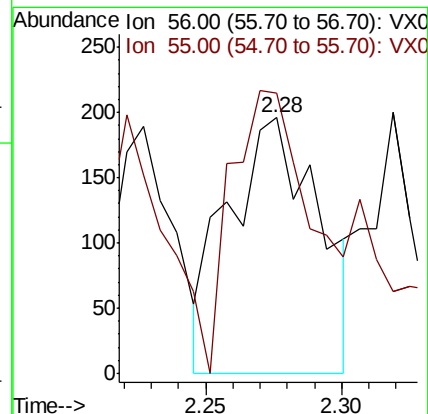
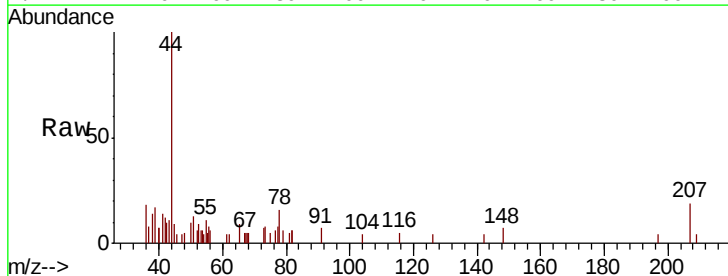
Tot Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 16.4 8.2 12.2#

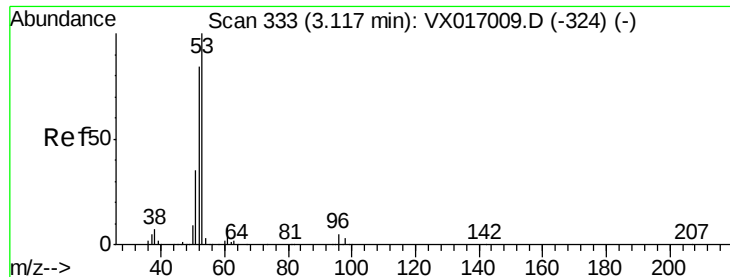


#13

Acrolein
Concen: 1.370 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion: 56 Resp: 452
Ion Ratio Lower Upper
56 100
55 98.9 55.7 83.5#





#15

Acrylonitrile

Concen: 0.250 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

ClientSampled :

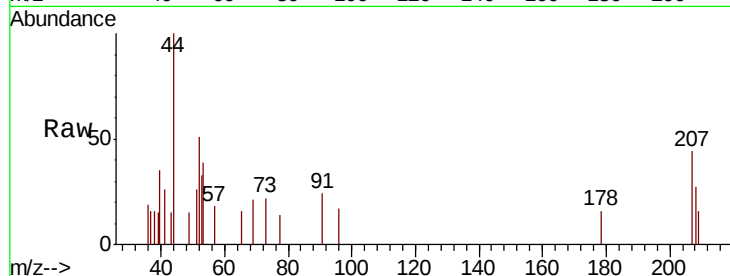
Tot Ion: 53 Resp: 331

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

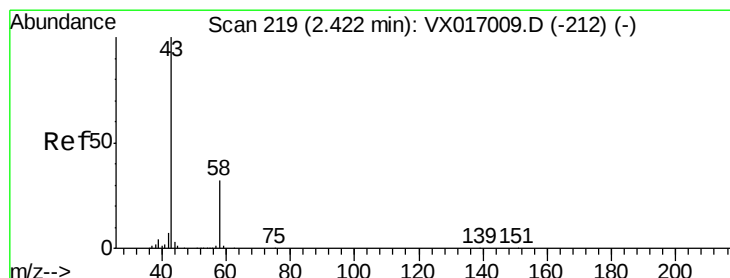
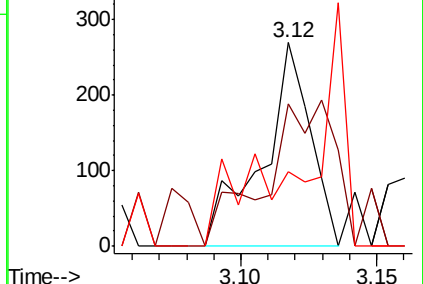
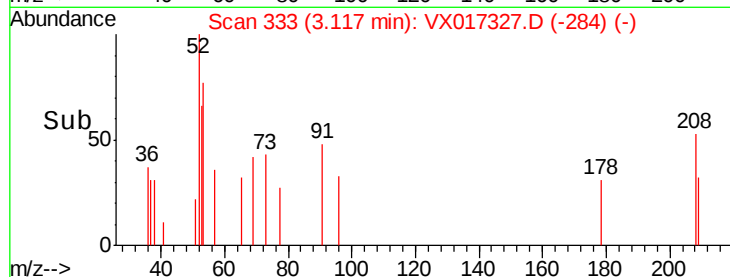
51 39.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.417 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017327.D

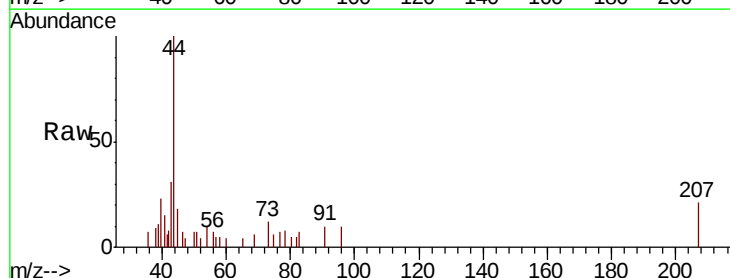
Acq: 10 Jul 2020 11:52

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

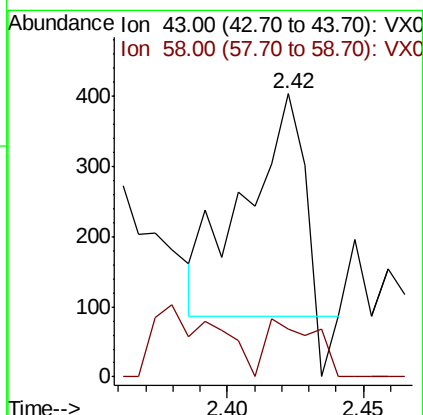
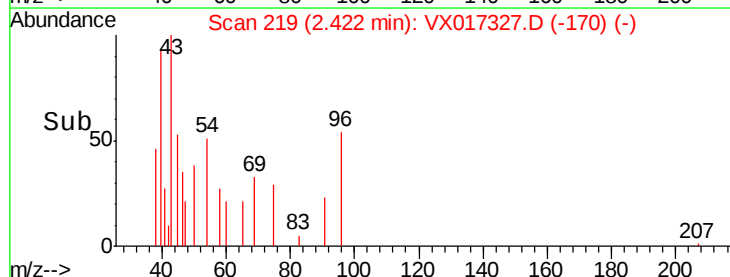
43 100

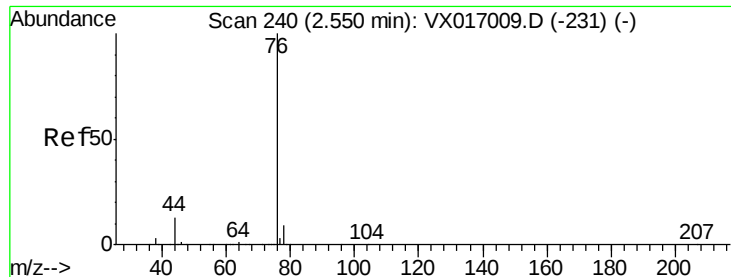
58 21.5 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

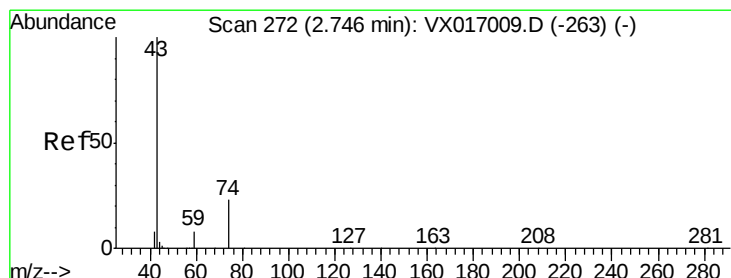
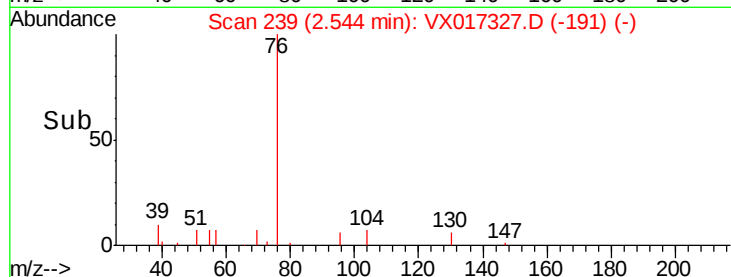
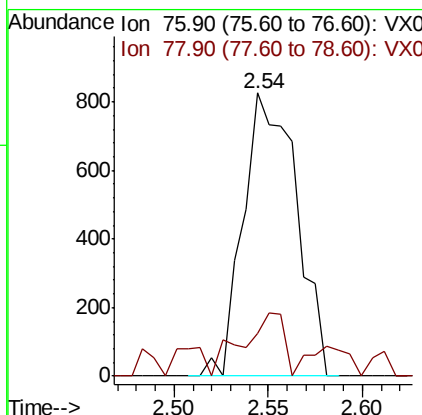
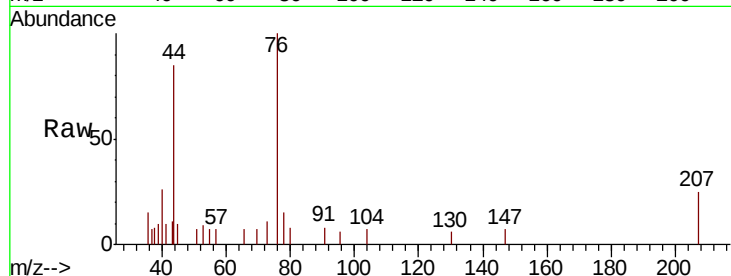




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

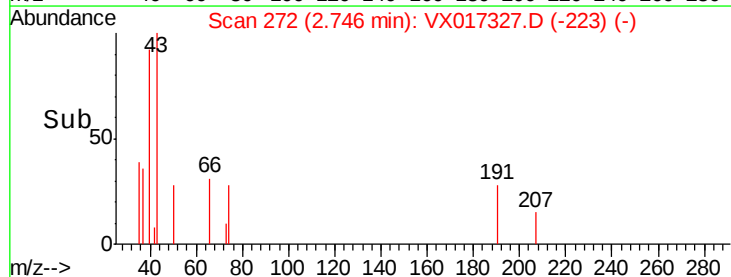
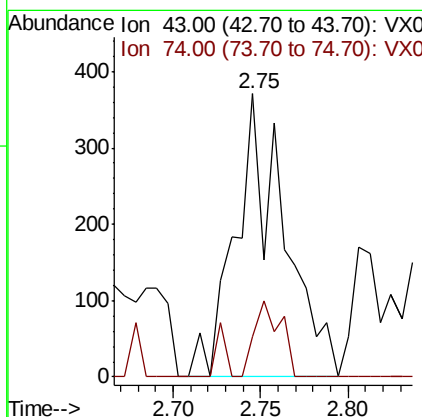
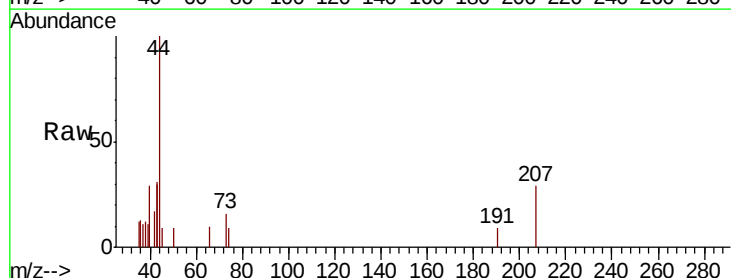
Instrument :
MSVOA_X
ClientSampled :

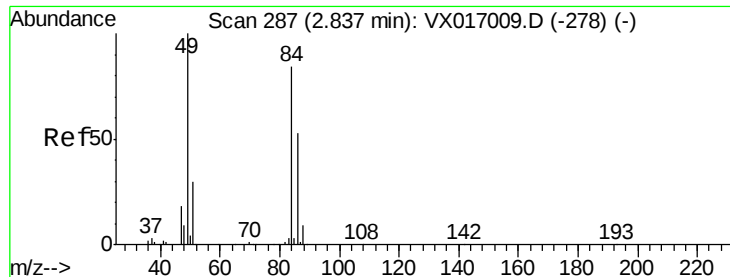
Tot Ion: 76 Resp: 1613
Ion Ratio Lower Upper
76 100
78 5.9 7.2 10.8#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
74 14.8 19.3 28.9#

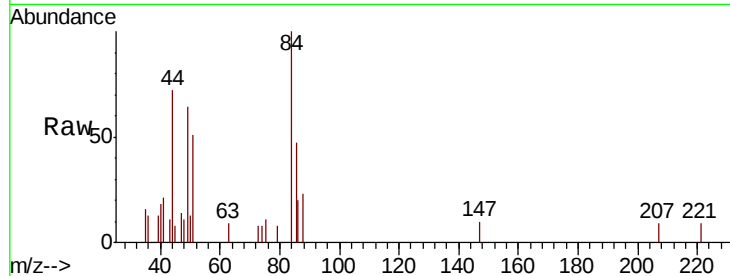




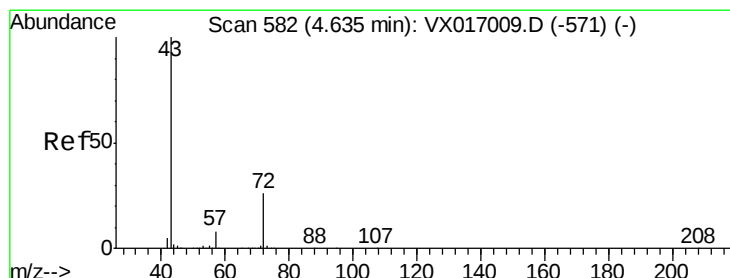
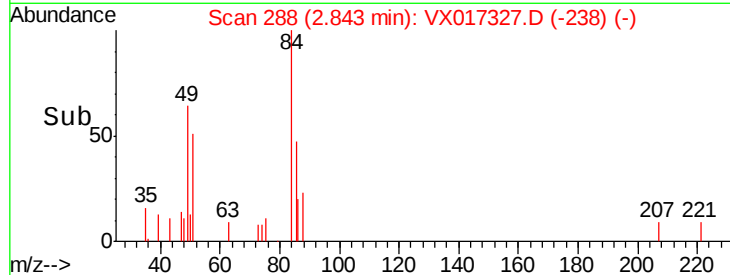
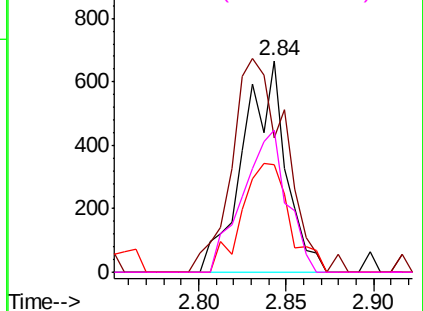
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1139
Ion Ratio Lower Upper
84 100
49 63.5 94.7 142.1#
51 50.8 28.6 42.8#
86 67.1 50.5 75.7

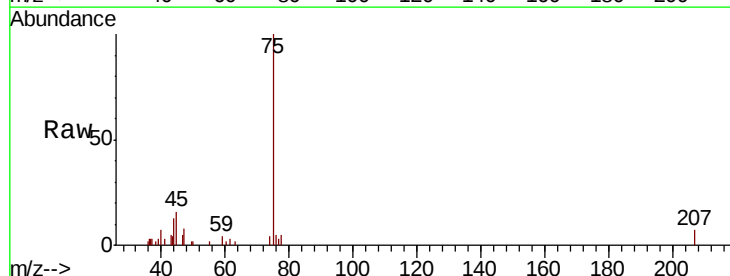


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

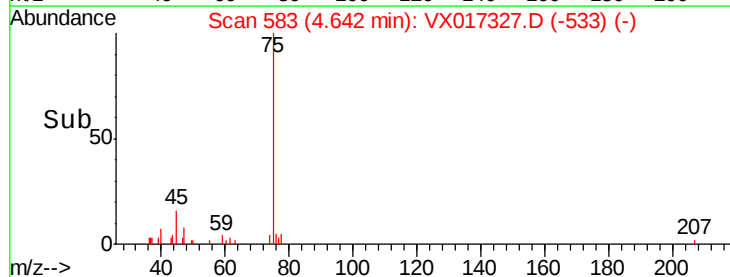
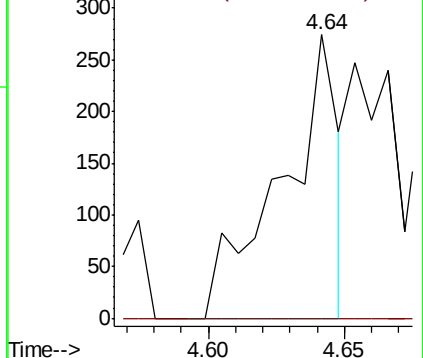


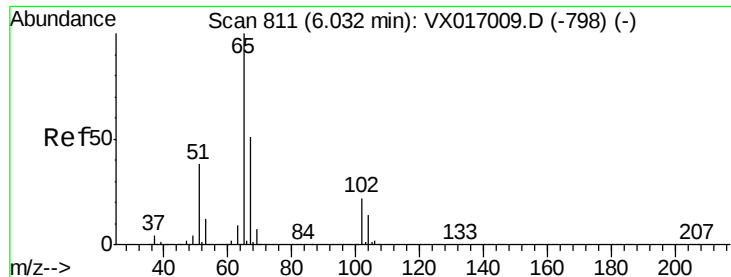
#25
2-Butanone
Concen: 0.219 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



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





#33

1,2-Dichloroethane-d4

Concen: 53.271 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

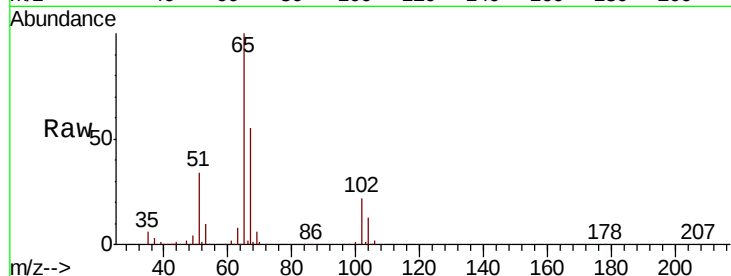
ClientSampleId :

Tot Ion: 65 Resp: 154091

Ion Ratio Lower Upper

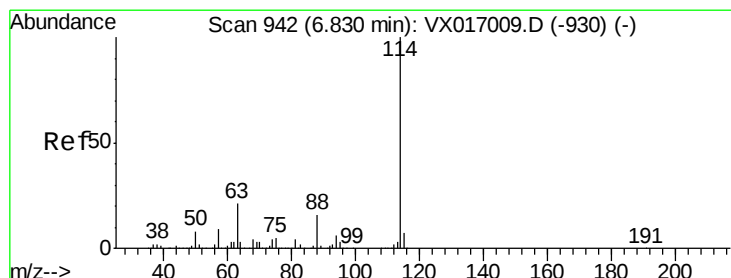
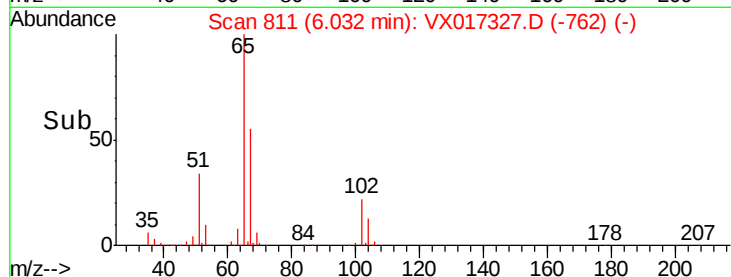
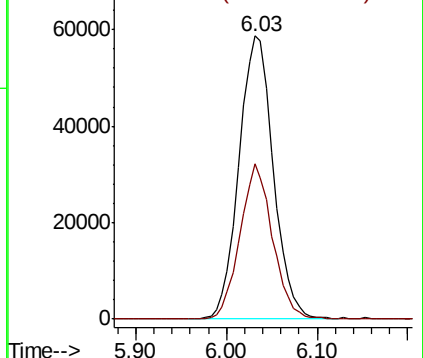
65 100

67 51.9 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: VX017327.D

Acq: 10 Jul 2020 11:52

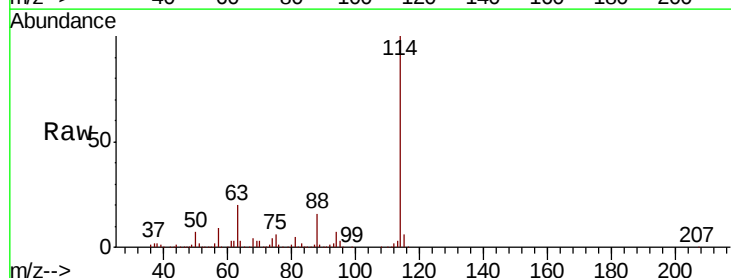
Tgt Ion: 114 Resp: 384768

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

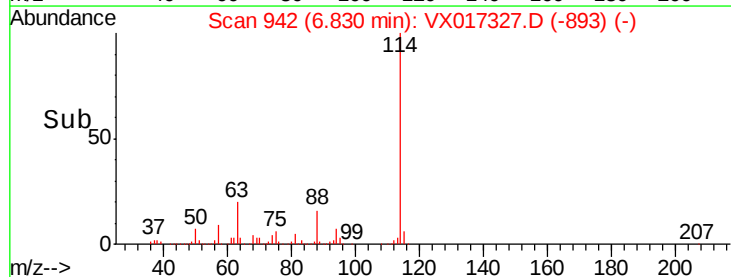
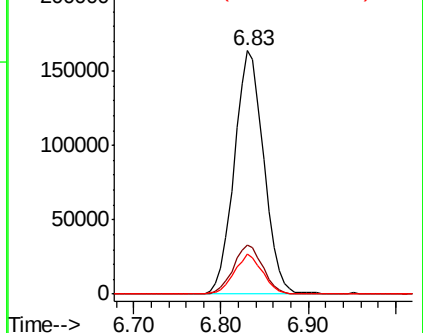
88 16.5 0.0 32.4

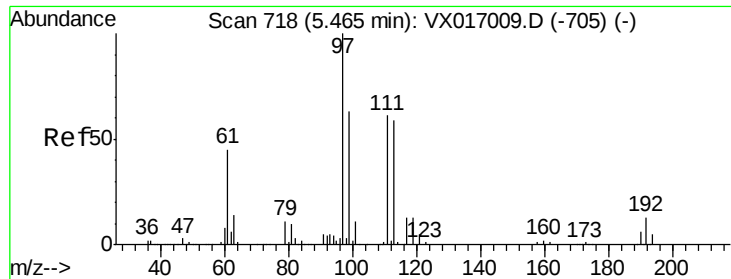


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.627 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

ClientSampleId :

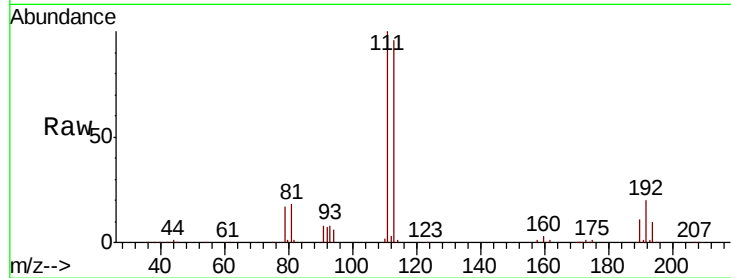
Tot Ion:113 Resp: 130525

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

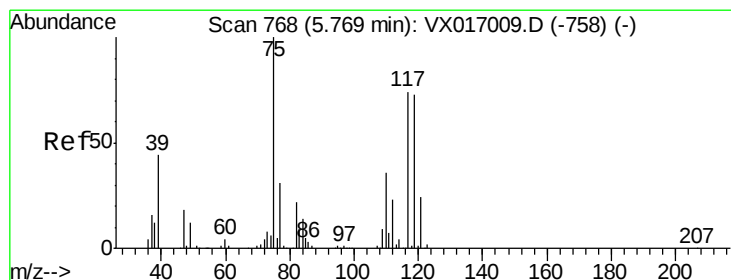
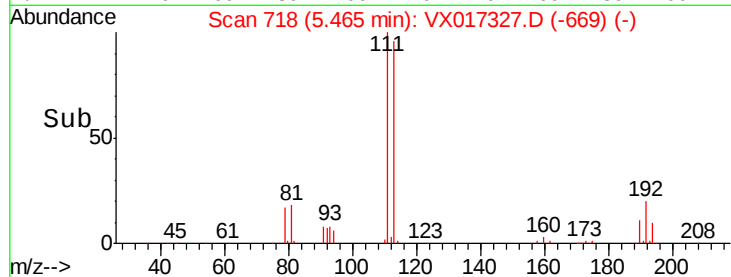
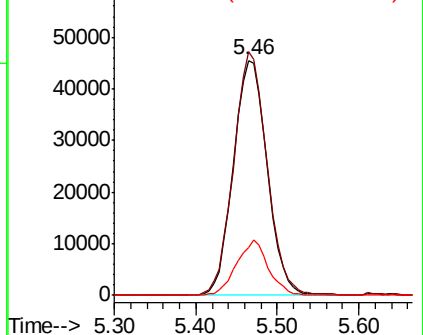
192 22.1 16.7 25.1



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: 4.728 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

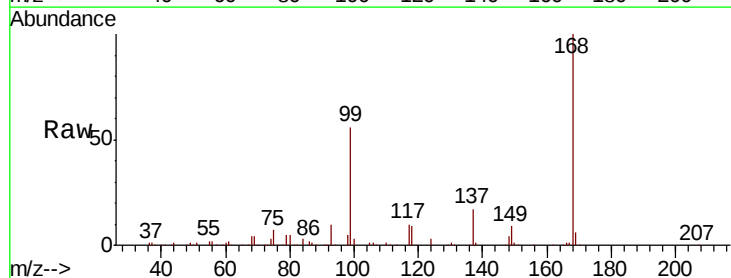
Tgt Ion: 75 Resp: 17193

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

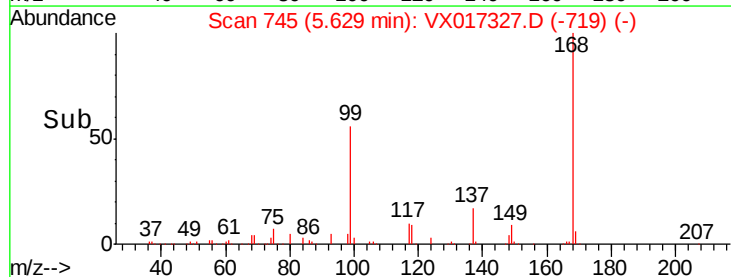
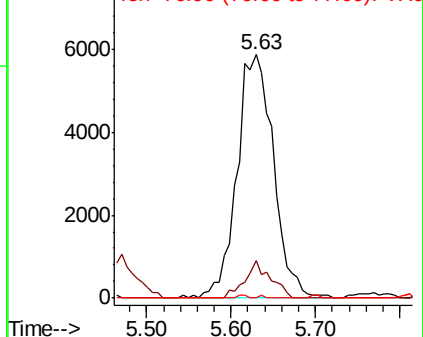
77 0.2 24.6 37.0#

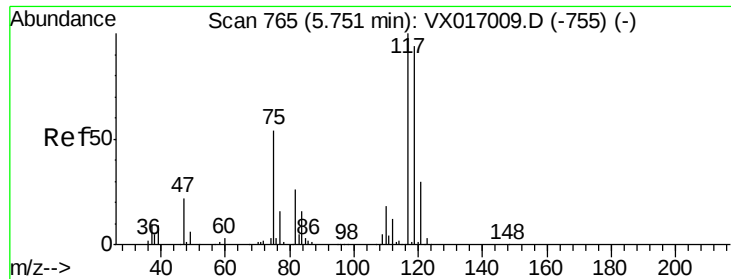


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

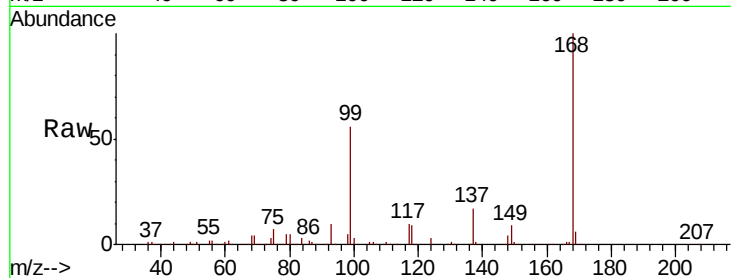




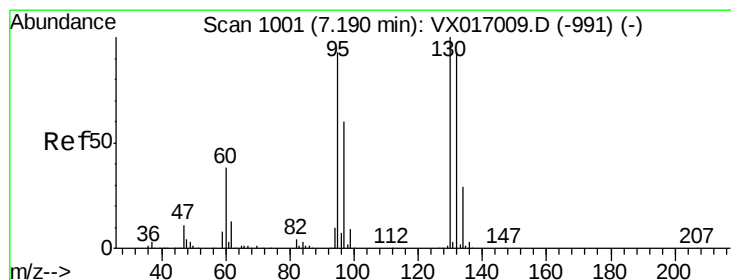
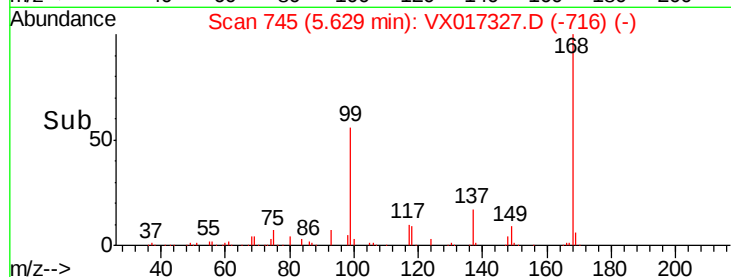
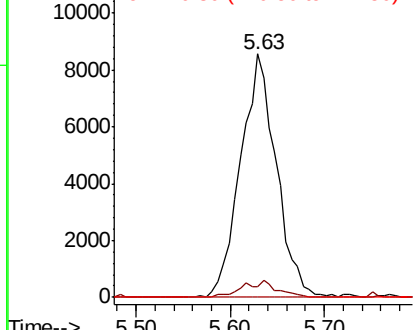
#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 22703
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 23.8 35.6#

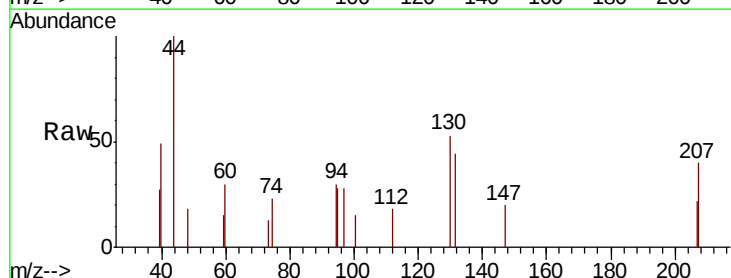


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

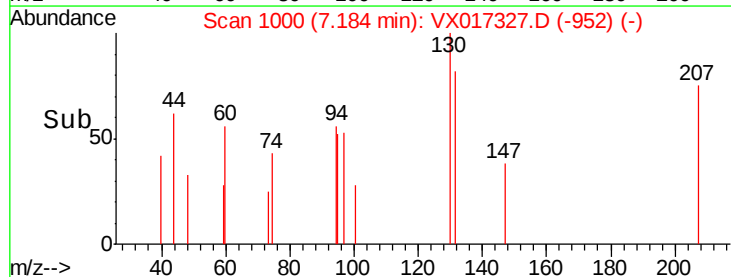
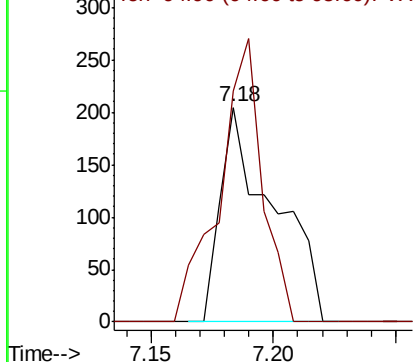


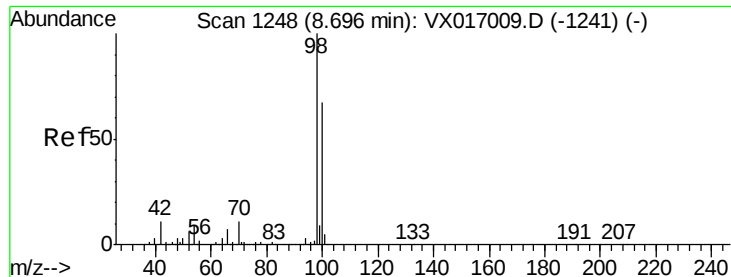
#44
Trichloroethene
Concen: Below Cal
RT: 7.18 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion:130 Resp: 309
Ion Ratio Lower Upper
130 100
95 107.3 0.0 185.0



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

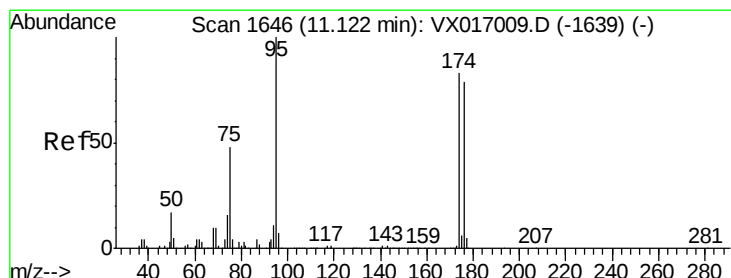
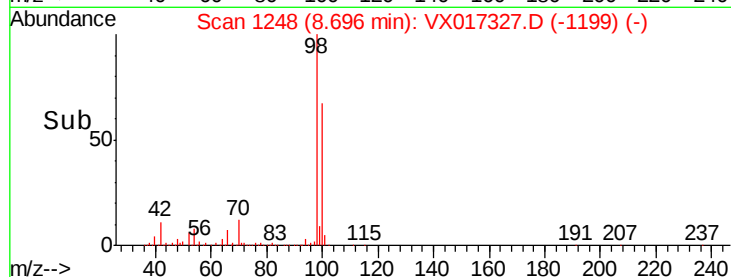
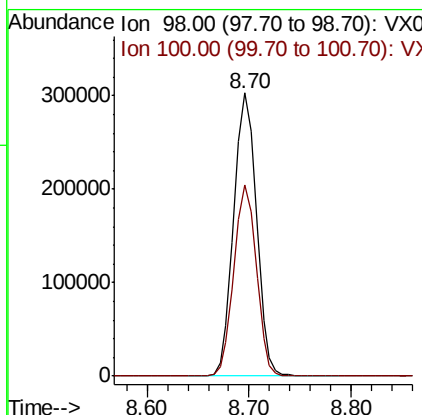
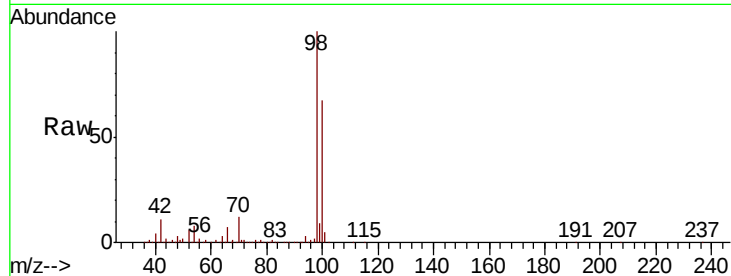




#50
Toluene-d8
Concen: 51.939 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

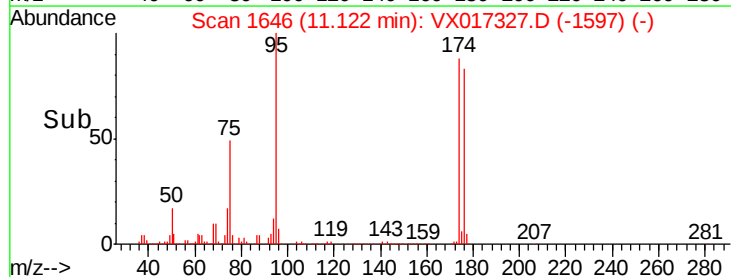
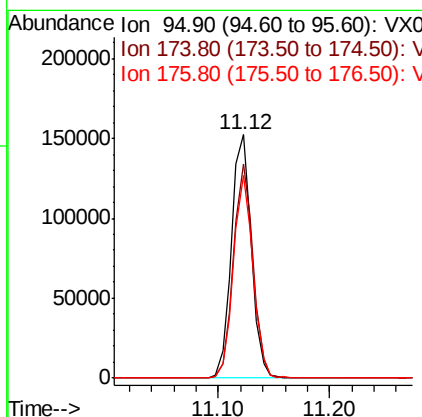
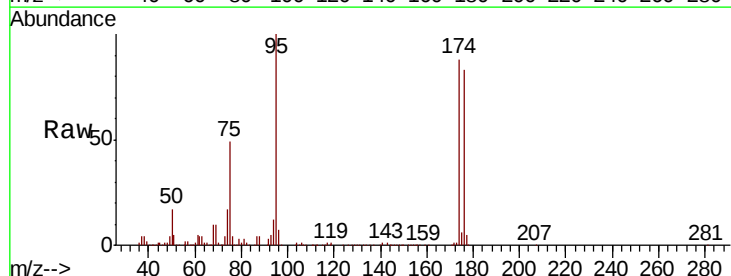
Instrument :
MSVOA_X
ClientSampleId :

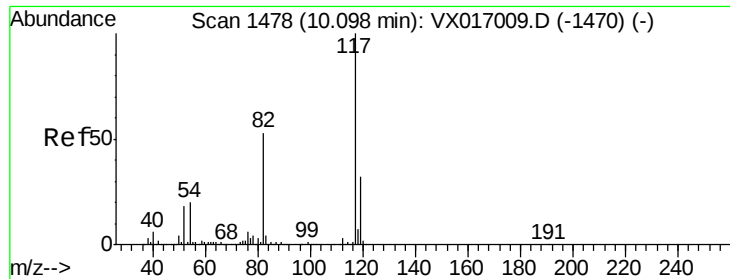
Tot Ion: 98 Resp: 467462
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.423 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion: 95 Resp: 187955
Ion Ratio Lower Upper
95 100
174 86.8 0.0 164.0
176 81.9 0.0 157.6

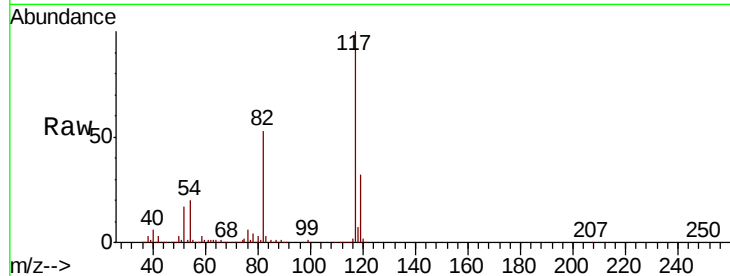




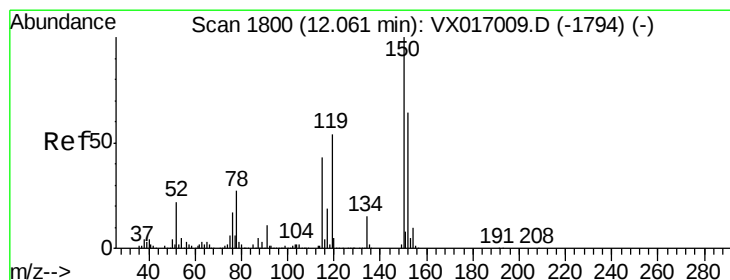
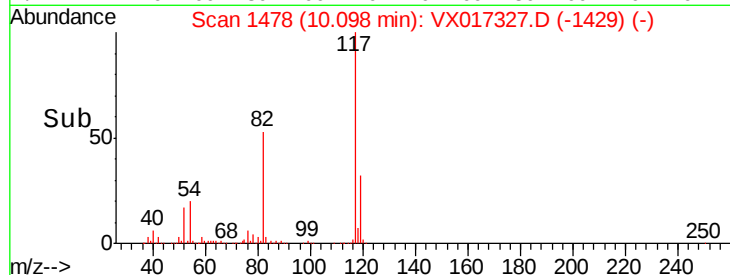
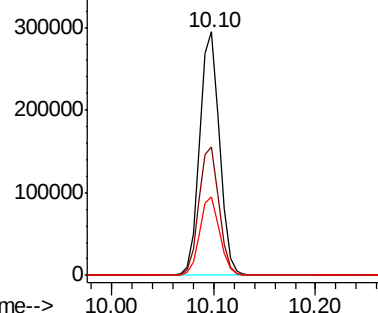
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	63.8
119	32.0	25.4	38.2

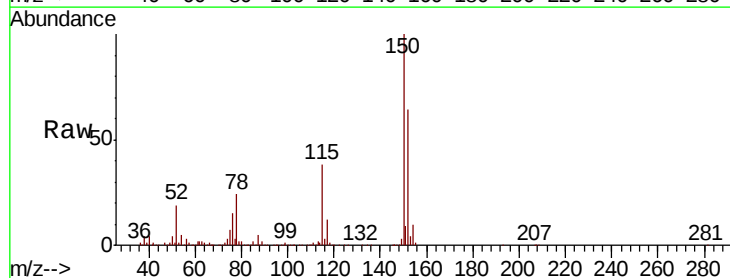


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

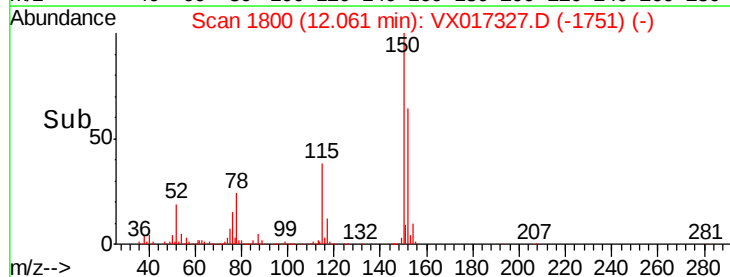
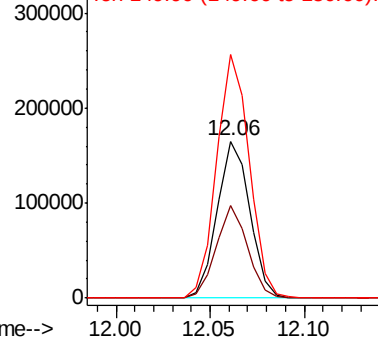


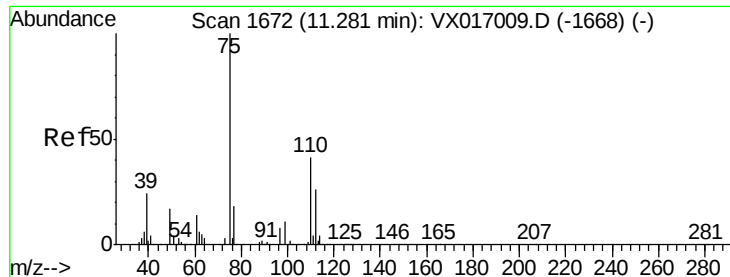
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017327.D
Acq: 10 Jul 2020 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	40.9	122.7
150	155.3	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: 24.094 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

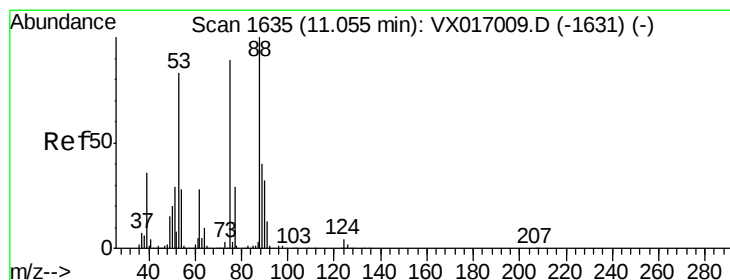
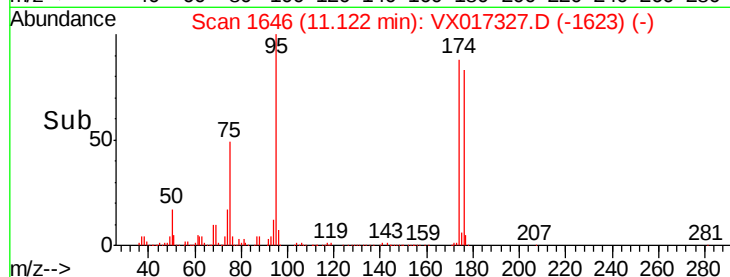
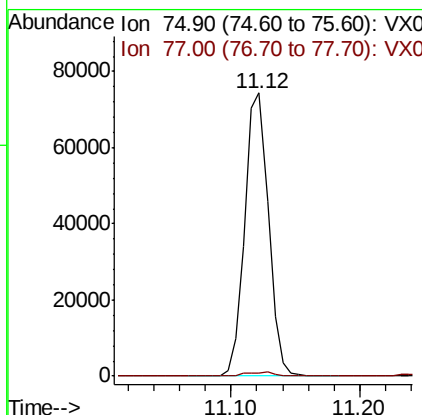
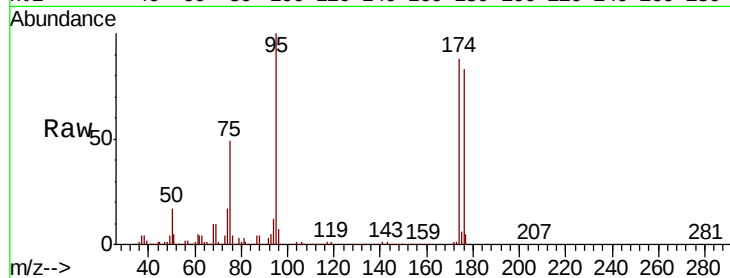
ClientSampled :

Tot Ion: 75 Resp: 94262

Ion Ratio Lower Upper

75 100

77 1.6 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.394 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

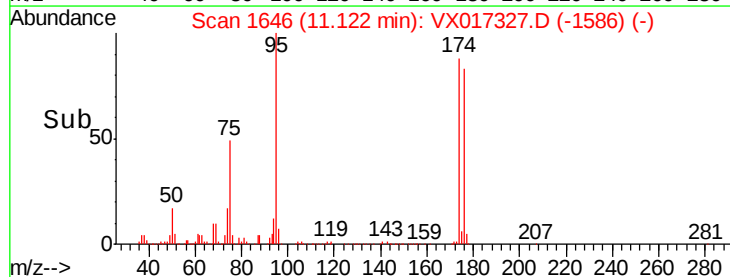
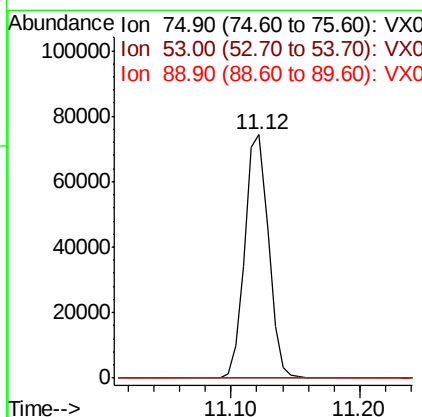
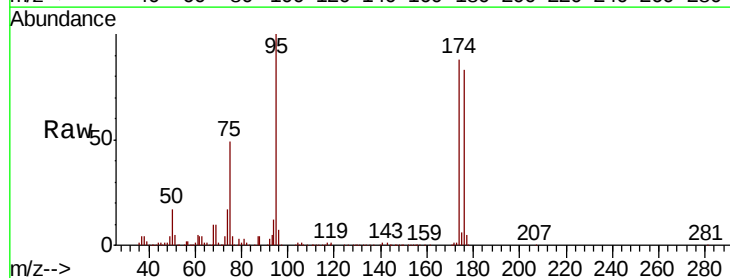
Tgt Ion: 75 Resp: 94262

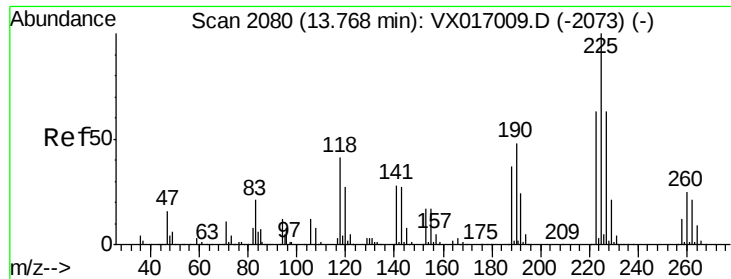
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 1.075 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017327.D

Acq: 10 Jul 2020 11:52

Instrument :

MSVOA_X

ClientSampleId :

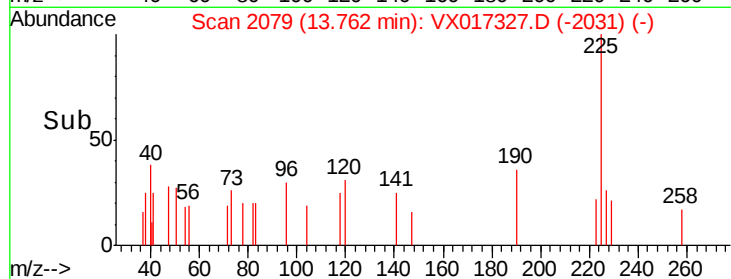
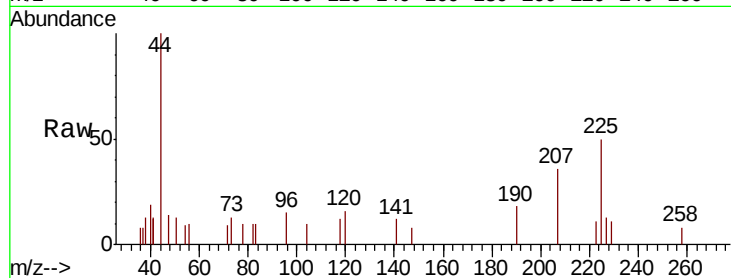
Tot Ion:225 Resp: 369

Ion Ratio Lower Upper

225 100

223 42.5 32.5 97.5

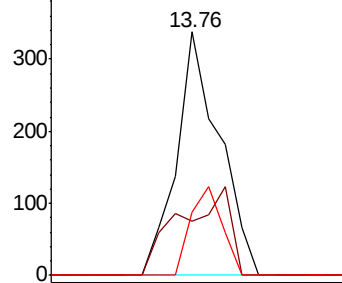
227 26.8 33.1 99.2



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



Time-->