

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019144.D
 Acq On : 27 Oct 2020 18:18
 Operator : JC/MD
 Sample : L4532-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10-27-2020

Quant Time: Oct 28 02:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	323284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	550837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	526932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264514	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	204525	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.46	113	168023	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.70	98	678045	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.12	95	260900	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	

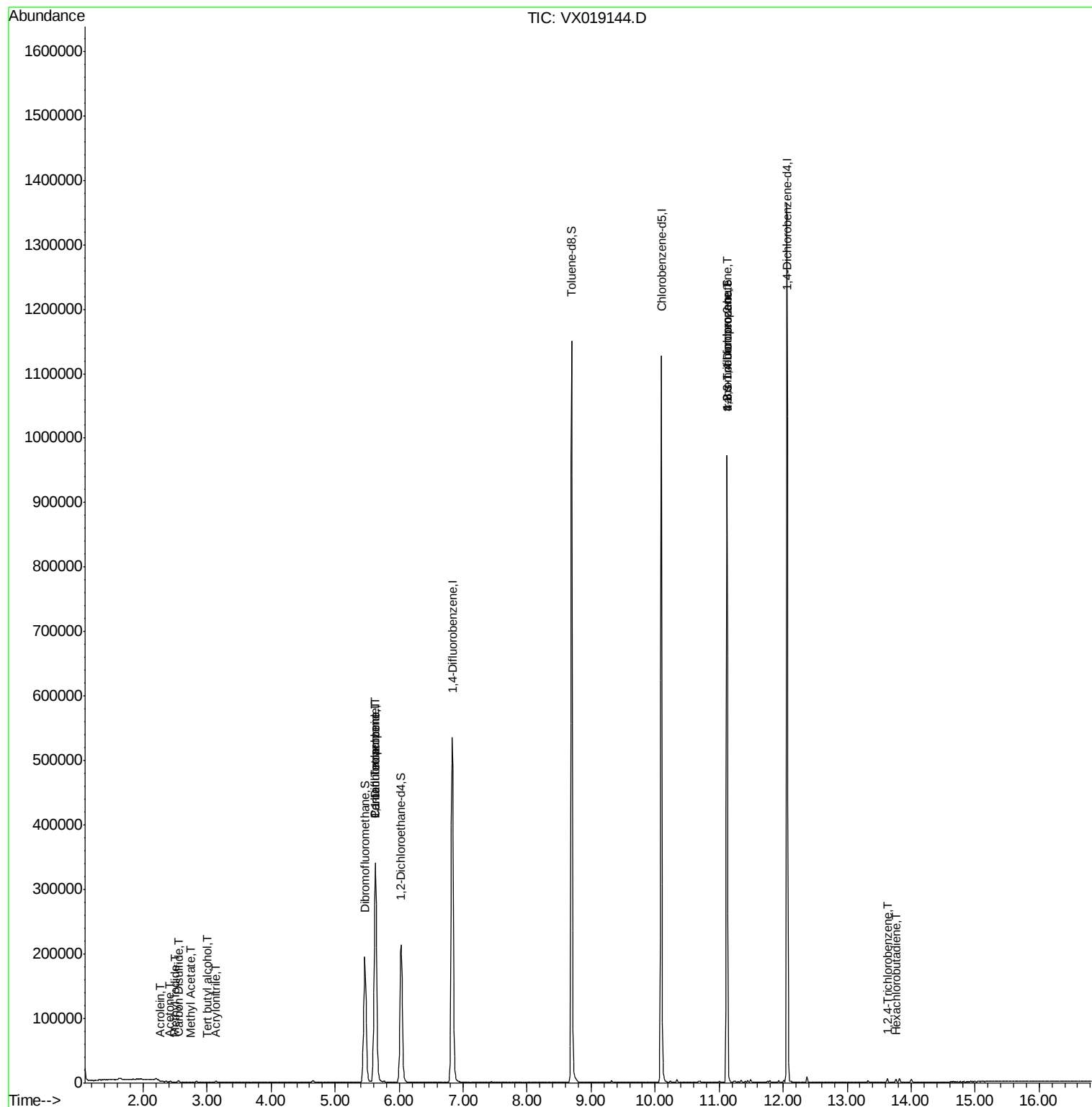
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	443	6.486	ug/l #	88
11) Tert butyl alcohol	3.01	59	300	0.364	ug/l #	72
13) Acrolein	2.28	56	117	5.959	ug/l	84
15) Acrylonitrile	3.12	53	648	0.374	ug/l	91
16) Acetone	2.42	43	991	0.689	ug/l	95
17) Carbon Disulfide	2.55	76	2661	1.053	ug/l #	93
18) Methyl Acetate	2.74	43	744	0.213	ug/l #	69
36) 1,1-Dichloropropene	5.62	75	25702	5.053	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33149	6.394	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	135246	24.763	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	135246	65.200	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1598	0.256	ug/l	99
94) Hexachlorobutadiene	13.76	225	662	0.241	ug/l	84

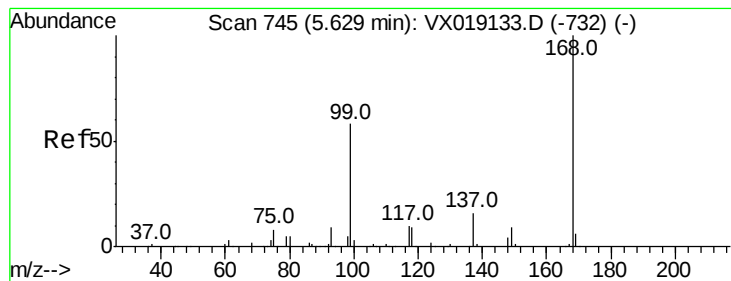
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102720\
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MSVOA_X
ClientSampled :
TB-10-27-2020

Quant Time: Oct 28 02:29:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
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: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

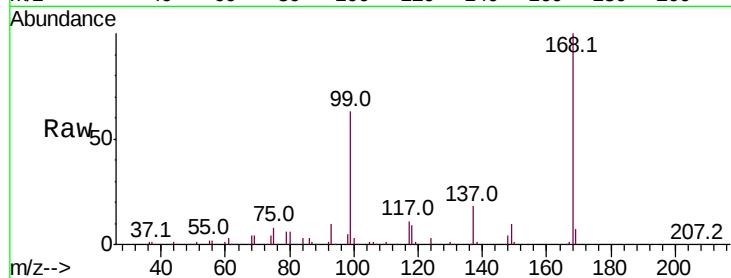
TB-10-27-2020

Tot Ion:168 Resp: 323284

Ion Ratio Lower Upper

168 100

99 62.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

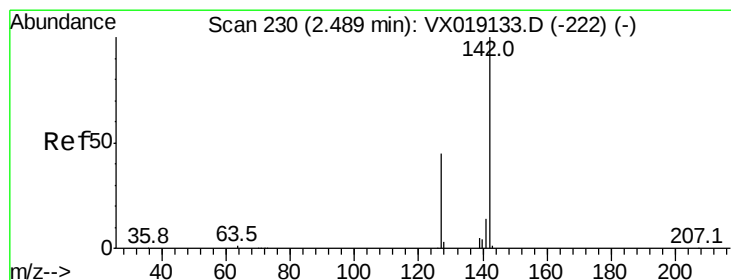
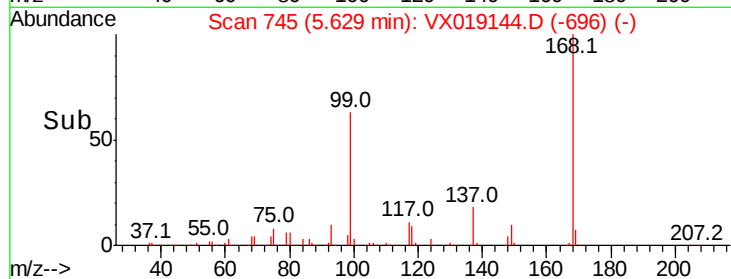
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.486 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

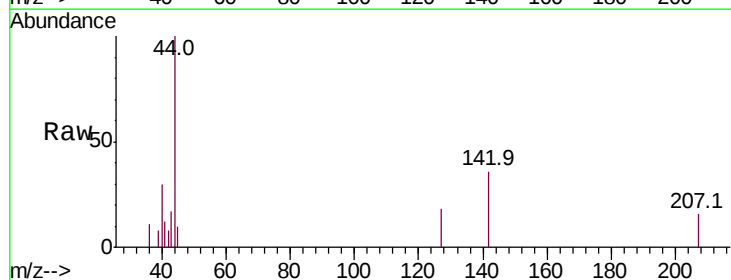
Tgt Ion:142 Resp: 443

Ion Ratio Lower Upper

142 100

127 41.5 36.1 54.1

141 0.0 11.3 16.9#



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

2.50

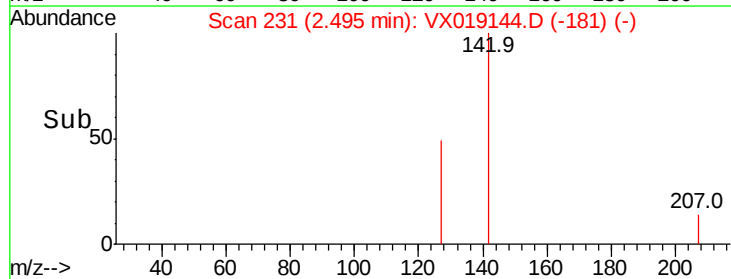
300

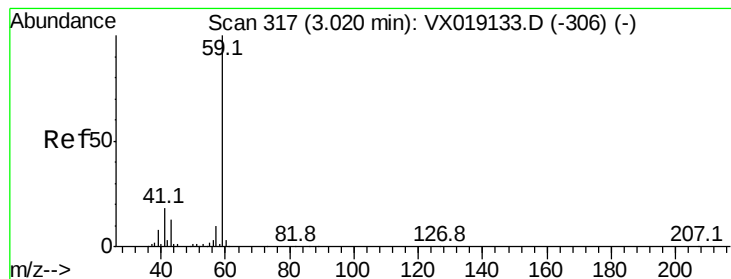
200

100

0

Time-->



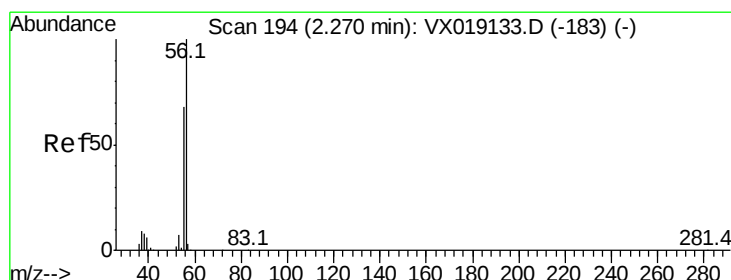
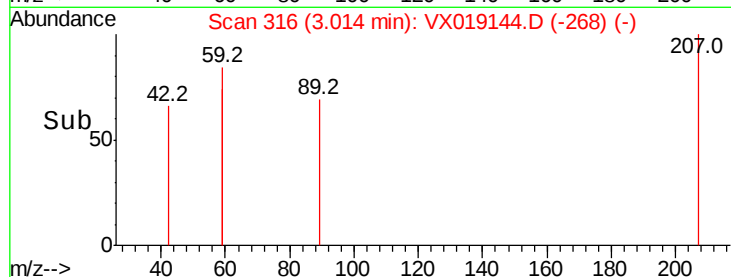
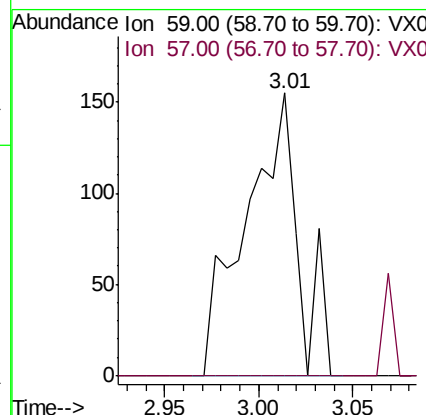
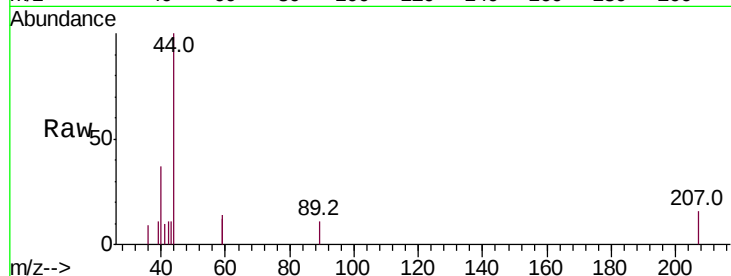


#11

Tert butyl alcohol
 Concen: 0.364 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX019144.D
 Acq: 27 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10-27-2020

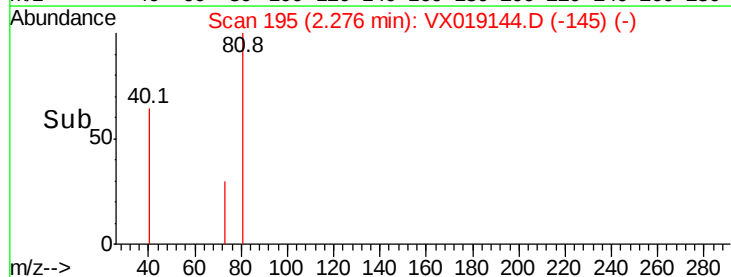
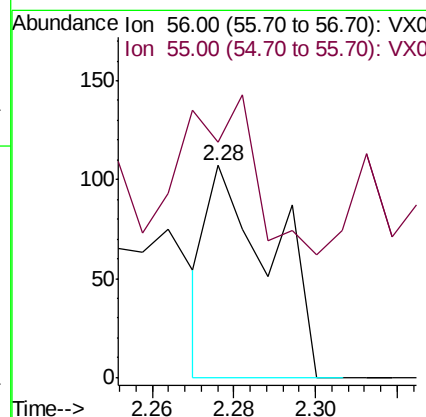
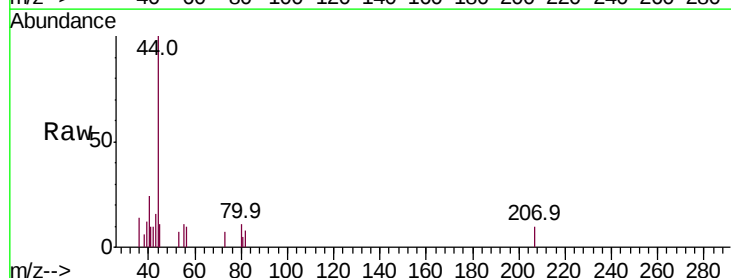
Tot Ion: 59 Resp: 300
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

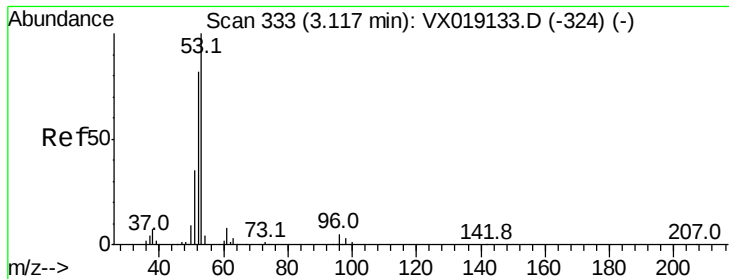


#13

Acrolein
 Concen: 5.959 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX019144.D
 Acq: 27 Oct 2020 18:18

Tgt Ion: 56 Resp: 117
 Ion Ratio Lower Upper
 56 100
 55 81.2 54.7 82.1





#15

Acrylonitrile

Concen: 0.374 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

TB-10-27-2020

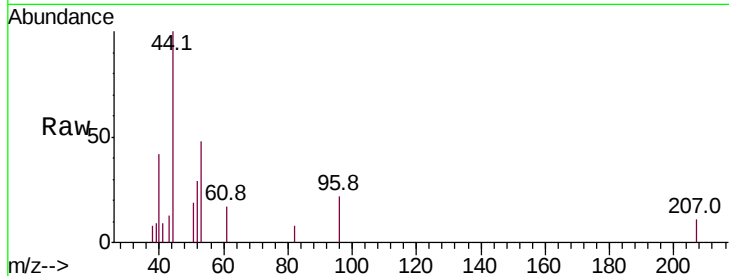
Tot Ion: 53 Resp: 648

Ion Ratio Lower Upper

53 100

52 91.8 65.7 98.5

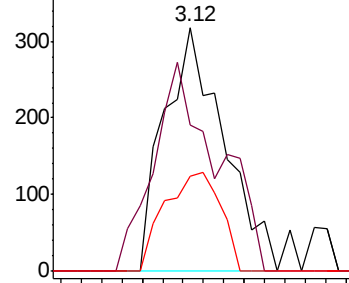
51 37.8 28.4 42.6



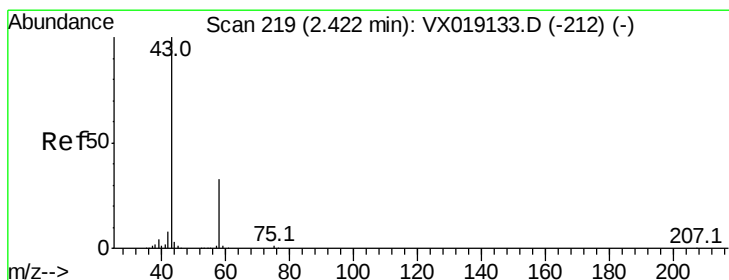
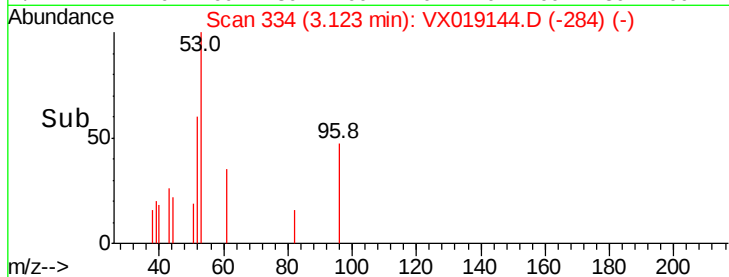
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.689 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019144.D

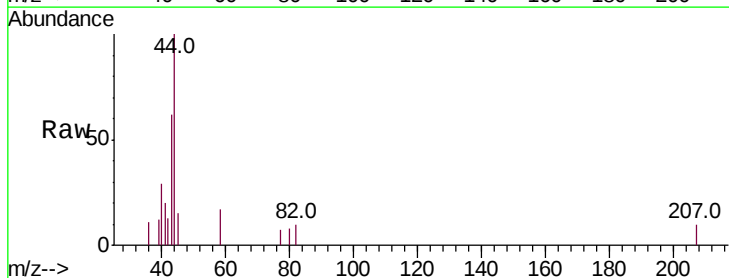
Acq: 27 Oct 2020 18:18

Tgt Ion: 43 Resp: 991

Ion Ratio Lower Upper

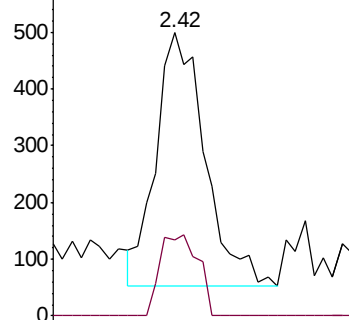
43 100

58 30.0 26.3 39.5

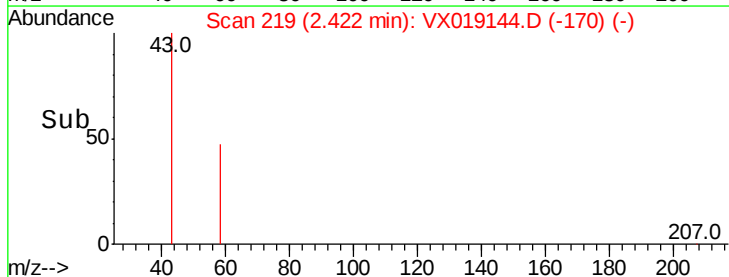


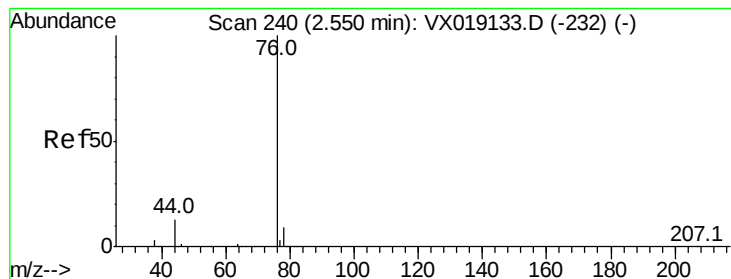
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 1.053 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

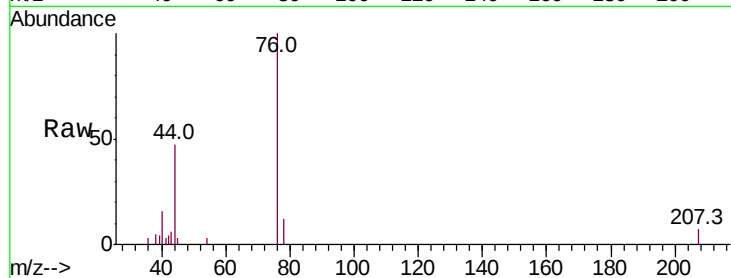
TB-10-27-2020

Tot Ion: 76 Resp: 2661

Ion Ratio Lower Upper

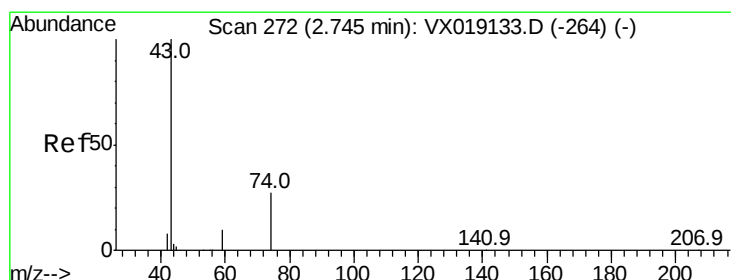
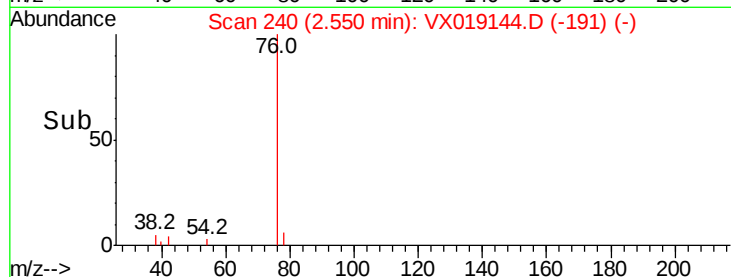
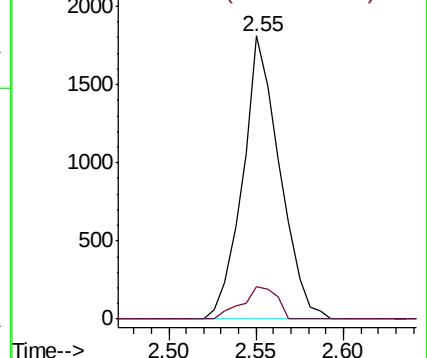
76 100

78 11.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX019144.D

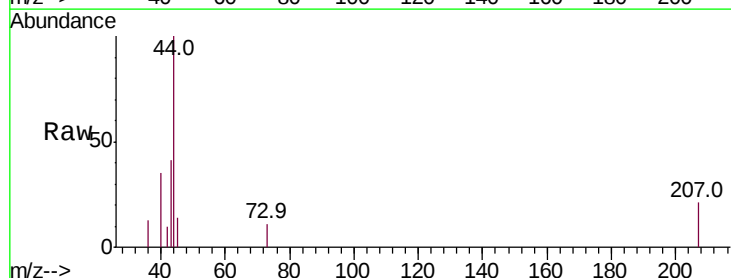
Acq: 27 Oct 2020 18:18

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

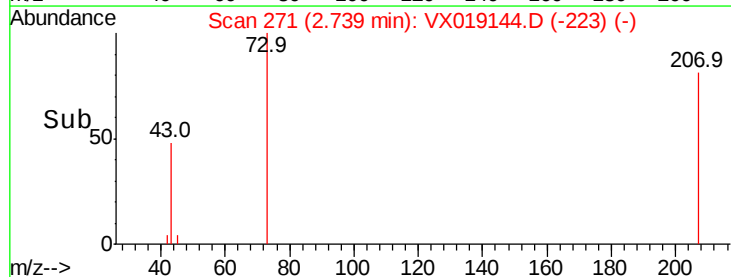
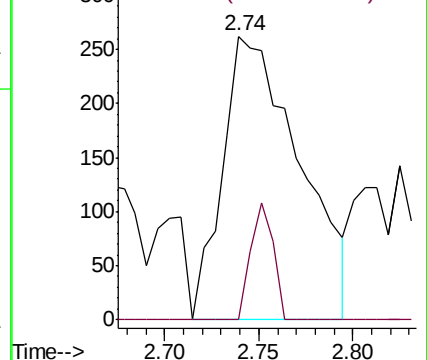
43 100

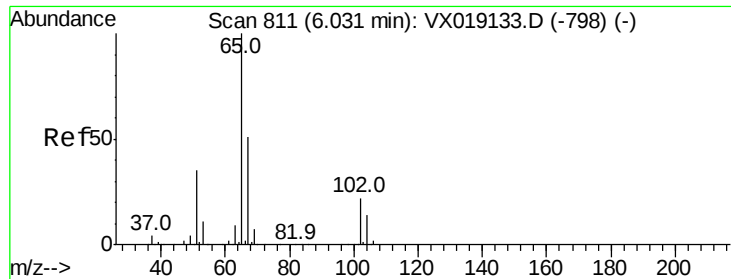
74 12.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.057 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

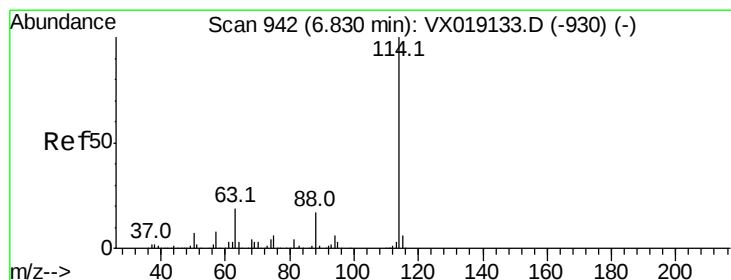
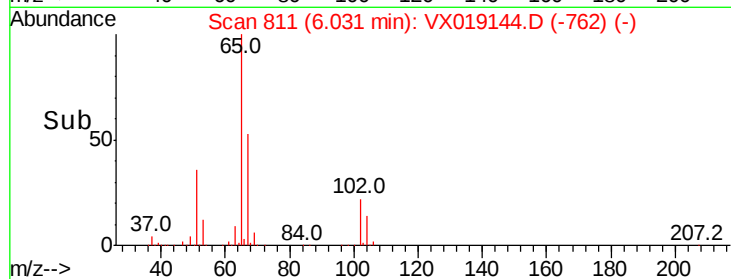
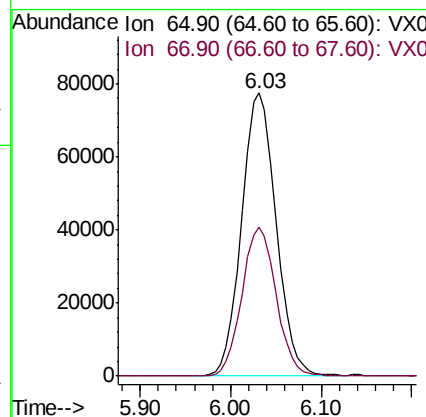
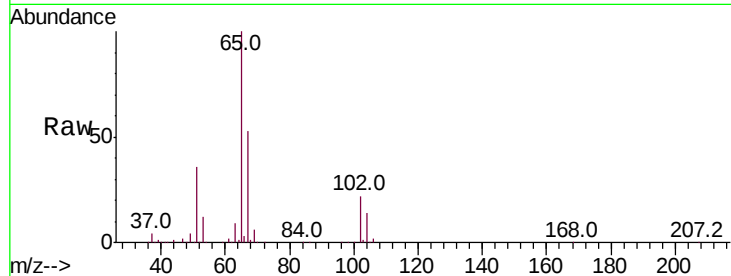
Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
TB-10-27-2020

Tot Ion: 65 Resp: 204525

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

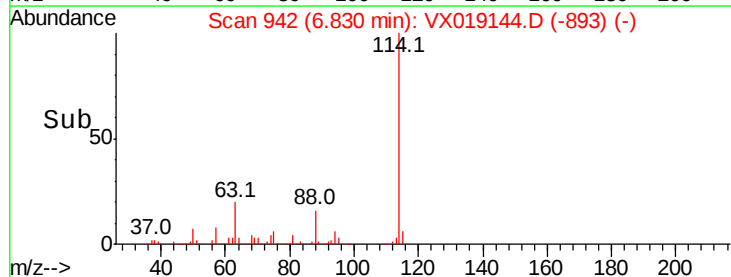
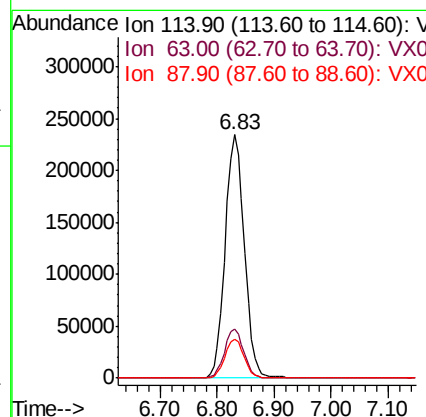
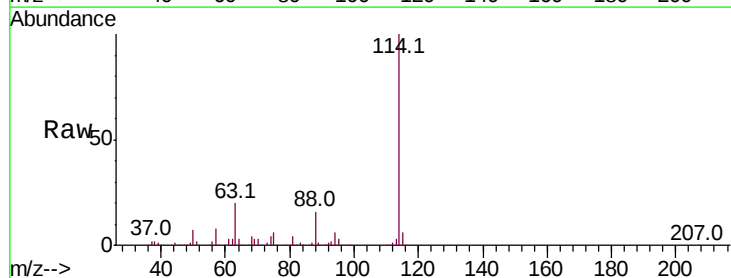
Delta R.T. -0.00 min

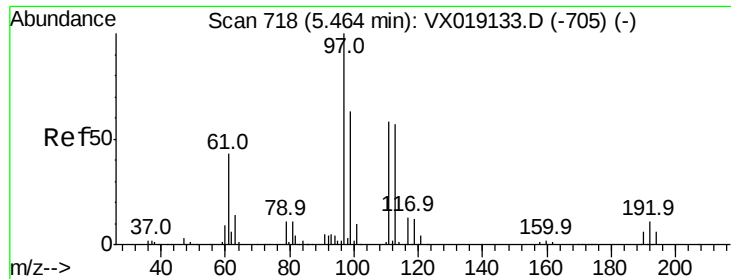
Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Tgt Ion: 114 Resp: 550837

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	38.8
88	15.9	0.0	34.2

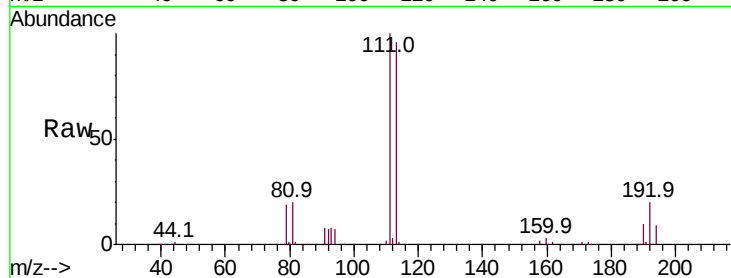




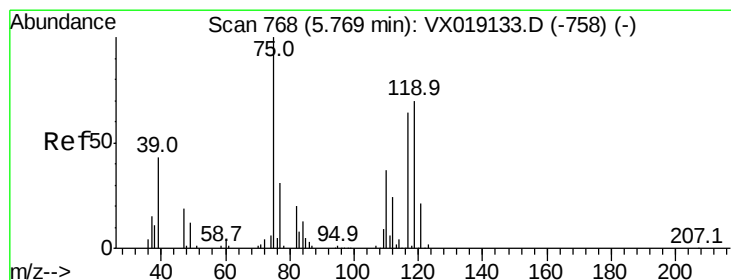
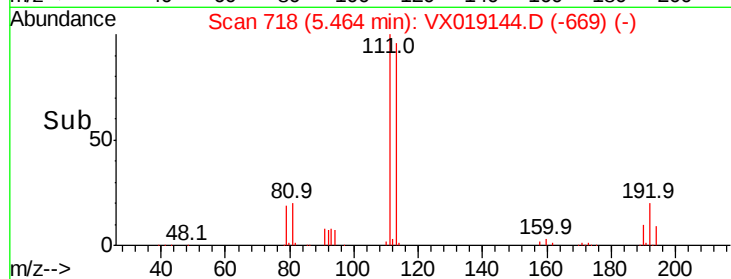
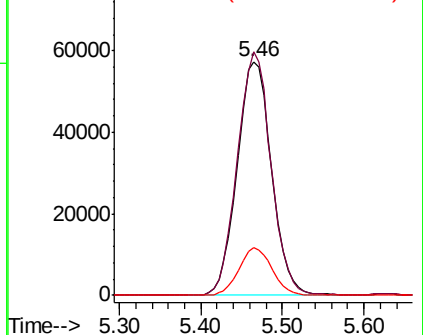
#35
 Dibromofluoromethane
 Concen: 48.561 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019144.D
 Acq: 27 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10-27-2020

Tot Ion:113 Resp: 168023
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 19.9 16.2 24.2

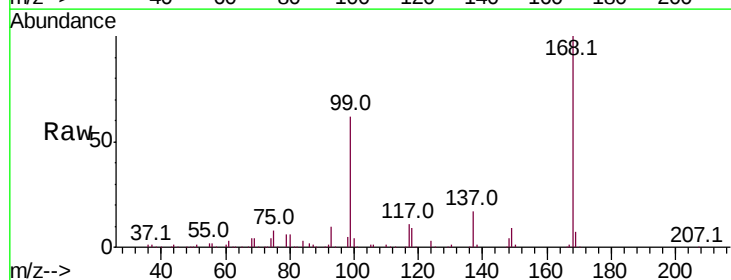


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

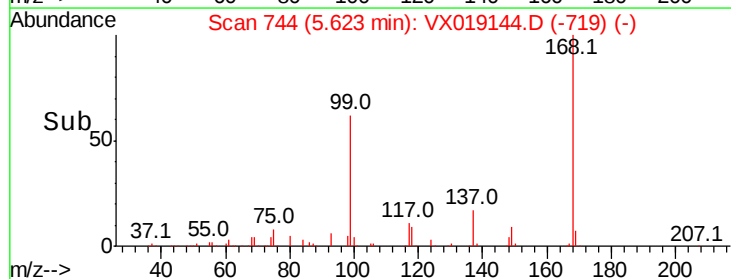
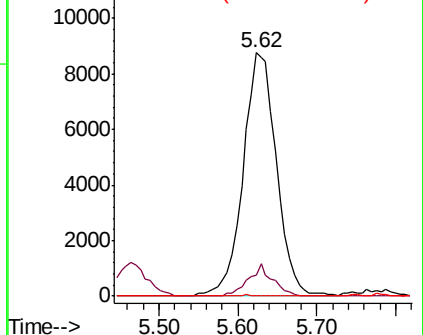


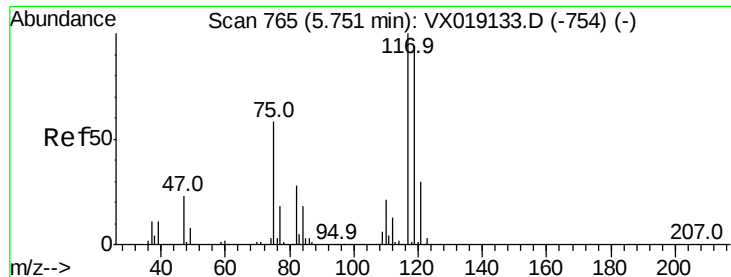
#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019144.D
 Acq: 27 Oct 2020 18:18

Tgt Ion: 75 Resp: 25702
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.3 54.9#
 77 0.1 24.9 37.3#



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

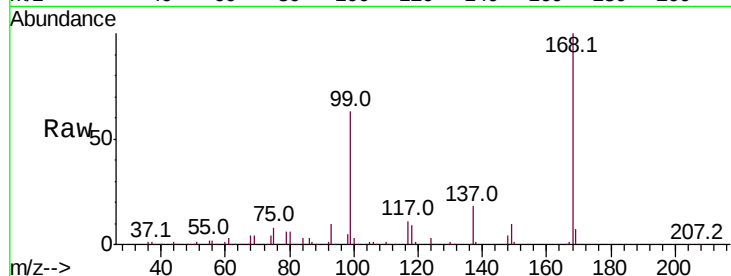




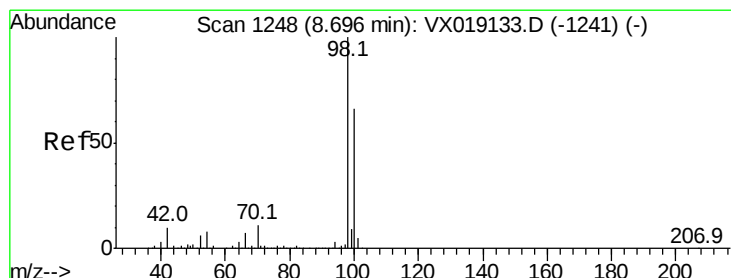
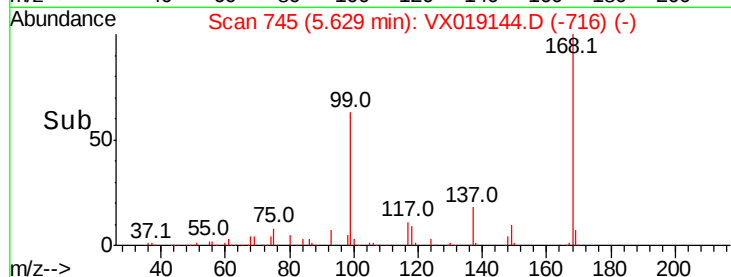
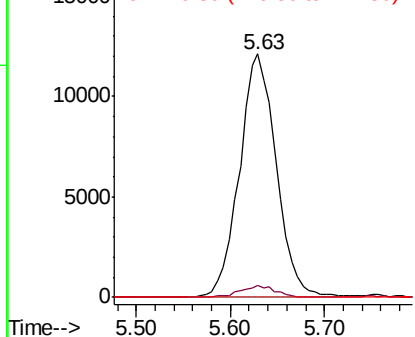
#38
Carbon Tetrachloride
Concen: 6.394 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019144.D
Acq: 27 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
TB-10-27-2020

Tot Ion:117 Resp: 33149
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 23.9 35.9#

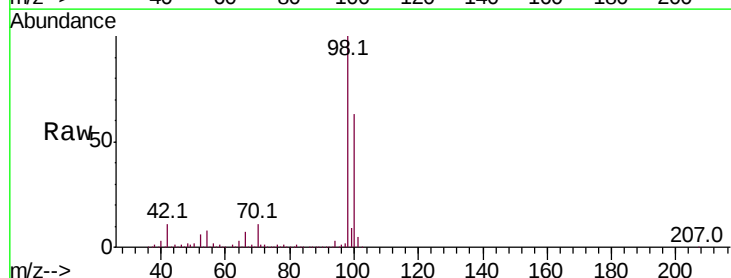


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

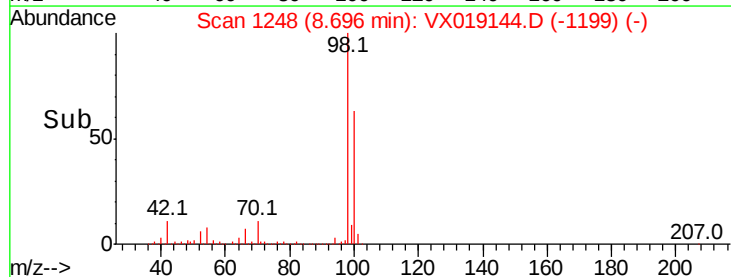
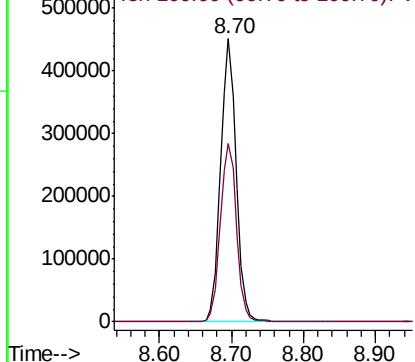


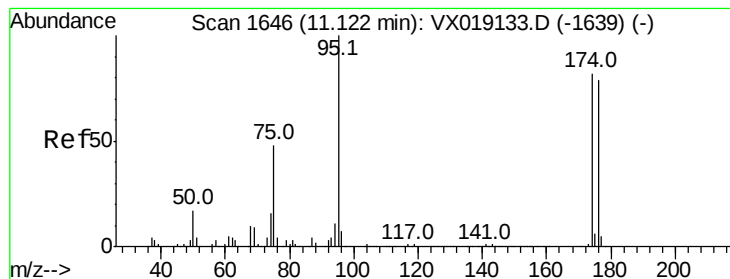
#50
Toluene-d8
Concen: 51.985 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019144.D
Acq: 27 Oct 2020 18:18

Tgt Ion: 98 Resp: 678045
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.819 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampled :

TB-10-27-2020

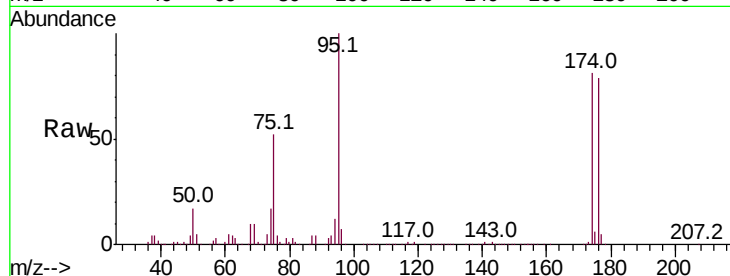
Tot Ion: 95 Resp: 260900

Ion Ratio Lower Upper

95 100

174 76.8 0.0 156.0

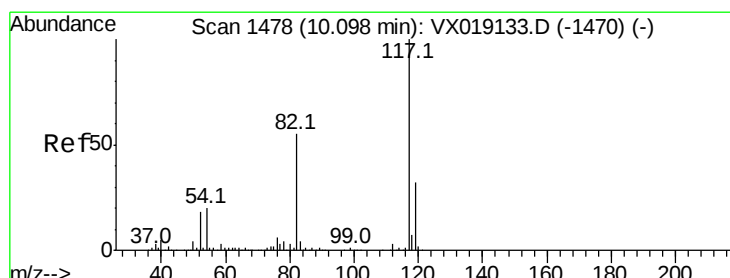
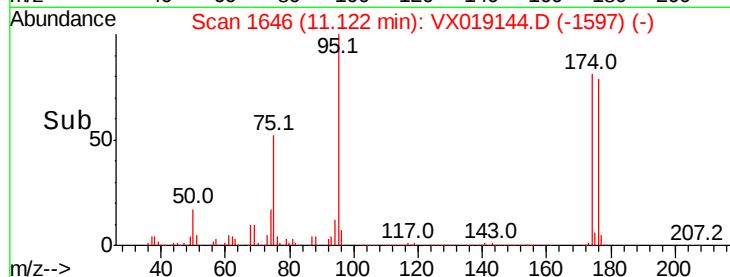
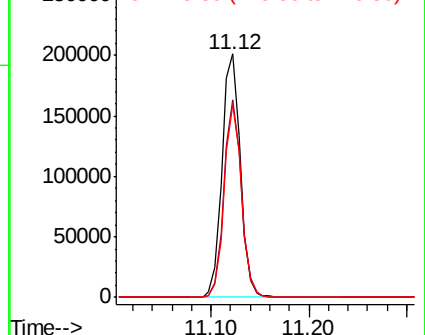
176 75.4 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

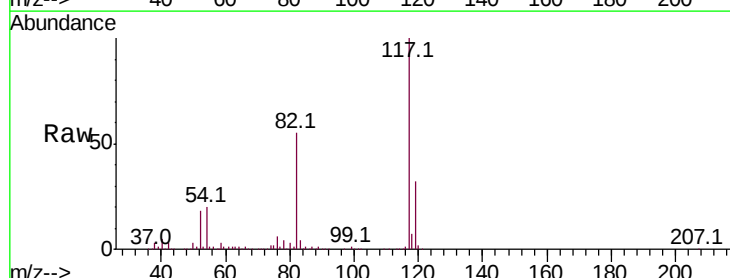
Tgt Ion: 117 Resp: 526932

Ion Ratio Lower Upper

117 100

82 54.8 43.6 65.4

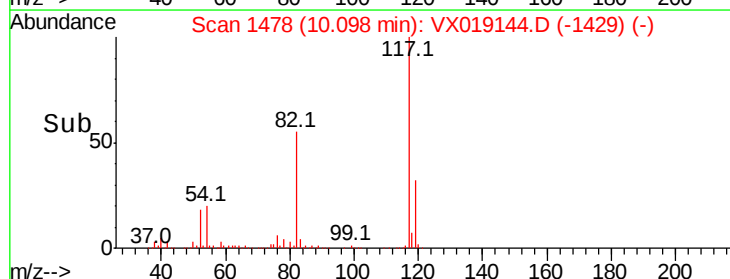
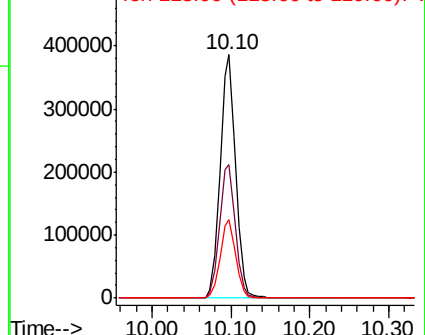
119 32.4 25.5 38.3

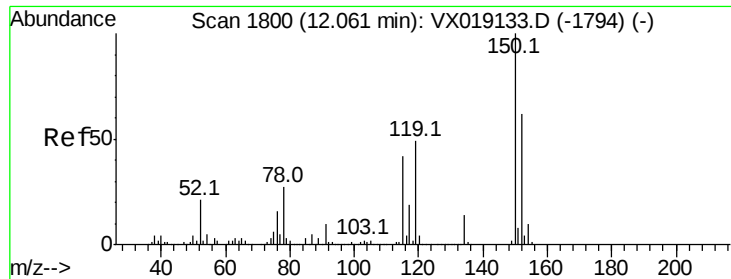


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

TB-10-27-2020

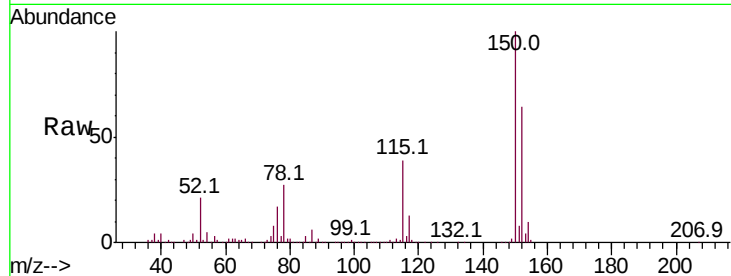
Tot Ion:152 Resp: 264514

Ion Ratio Lower Upper

152 100

115 61.3 41.9 125.7

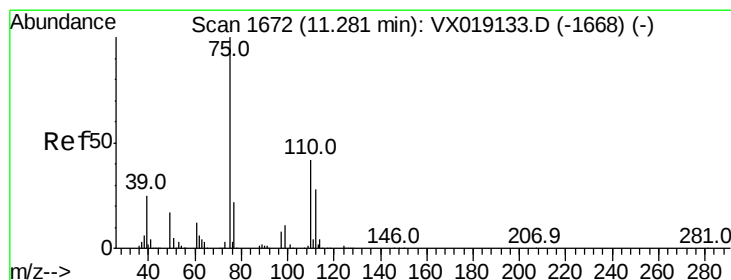
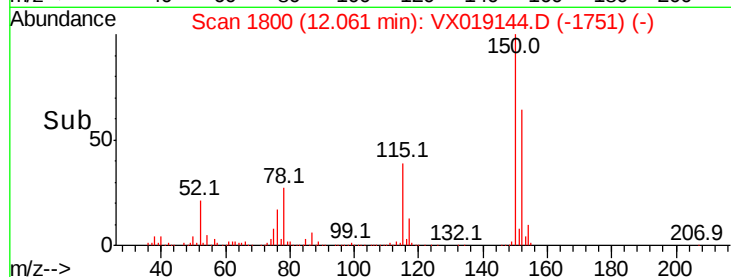
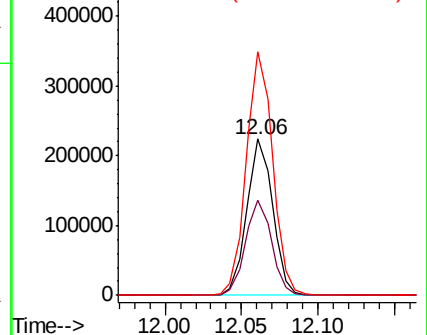
150 157.8 0.0 347.8



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: 24.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019144.D

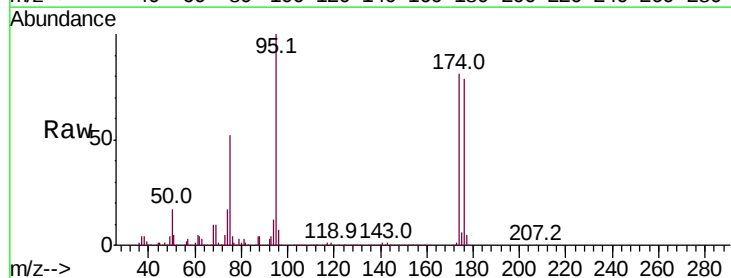
Acq: 27 Oct 2020 18:18

Tgt Ion: 75 Resp: 135246

Ion Ratio Lower Upper

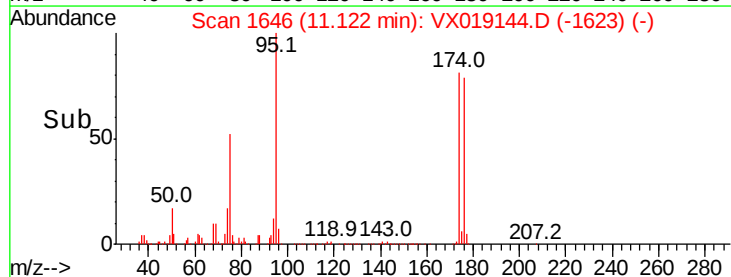
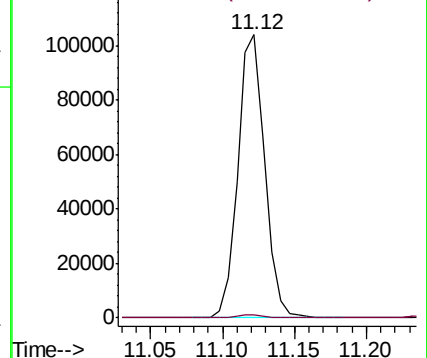
75 100

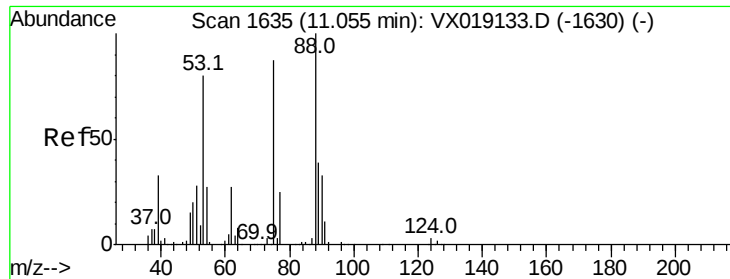
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

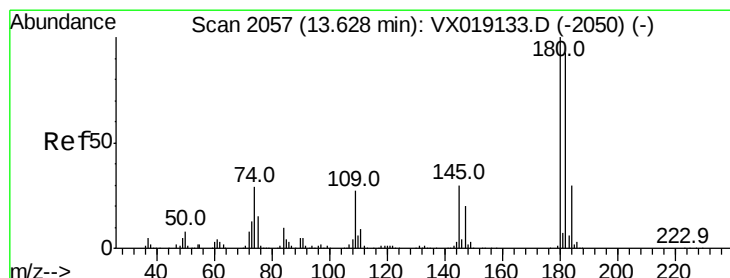
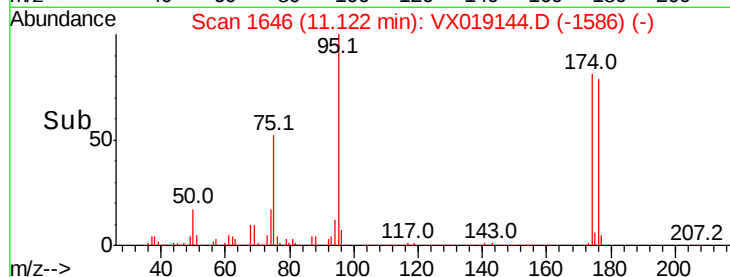
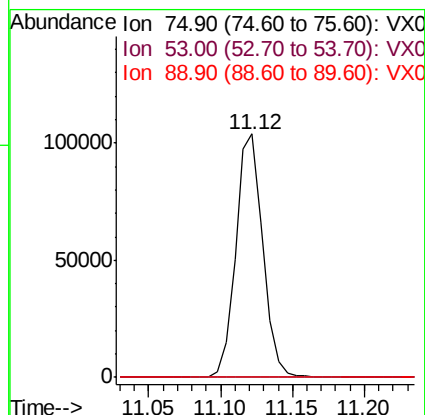
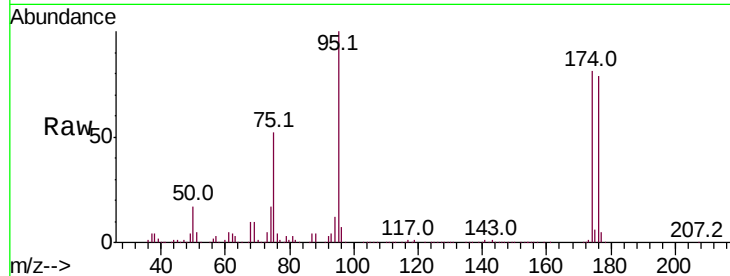




#81
trans-1,4-Dichloro-2-butene
Concen: 65.200 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019144.D
Acq: 27 Oct 2020 18:18

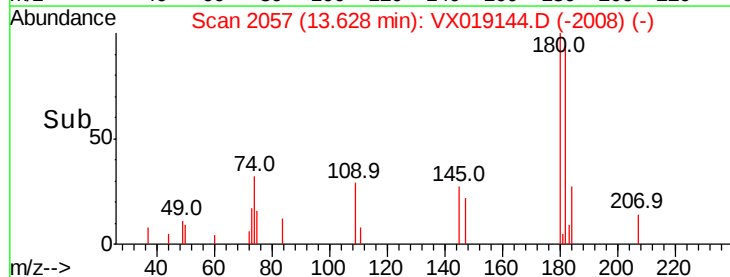
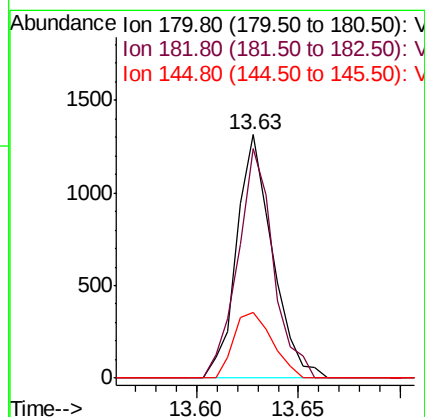
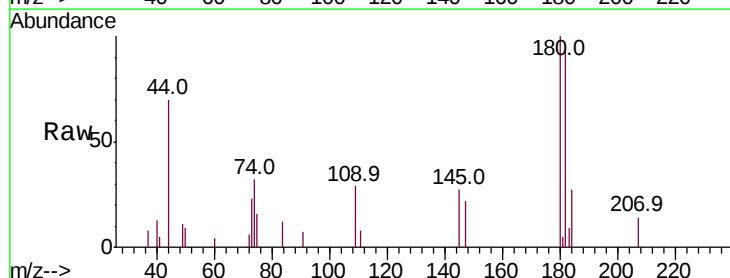
Instrument :
MSVOA_X
ClientSampled :
TB-10-27-2020

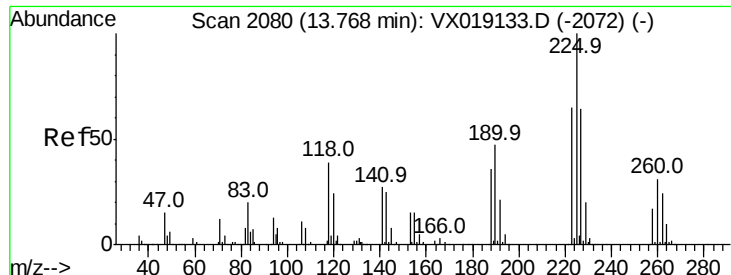
Tot Ion: 75 Resp: 135246
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.256 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX019144.D
Acq: 27 Oct 2020 18:18

Tgt Ion:180 Resp: 1598
Ion Ratio Lower Upper
180 100
182 94.1 46.8 140.3
145 29.1 15.5 46.5





#94

Hexachlorobutadiene

Concen: 0.241 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX019144.D

Acq: 27 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

TB-10-27-2020

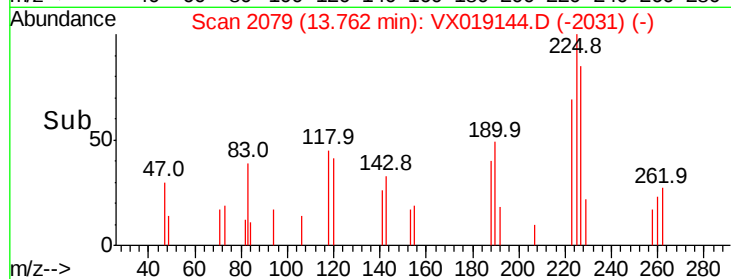
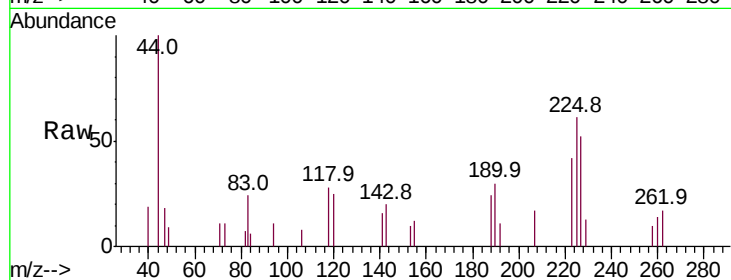
Tot Ion:225 Resp: 662

Ion Ratio Lower Upper

225 100

223 71.5 32.4 97.2

227 81.9 31.6 94.7



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

