

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019287.D
 Acq On : 04 Nov 2020 22:18
 Operator : JC/MD
 Sample : L4616-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-CHY08

Quant Time: Nov 05 02:28:20 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	288054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	494008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251949	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	206022	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	5.46	113	161352	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.70	98	641641	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.12	95	240948	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

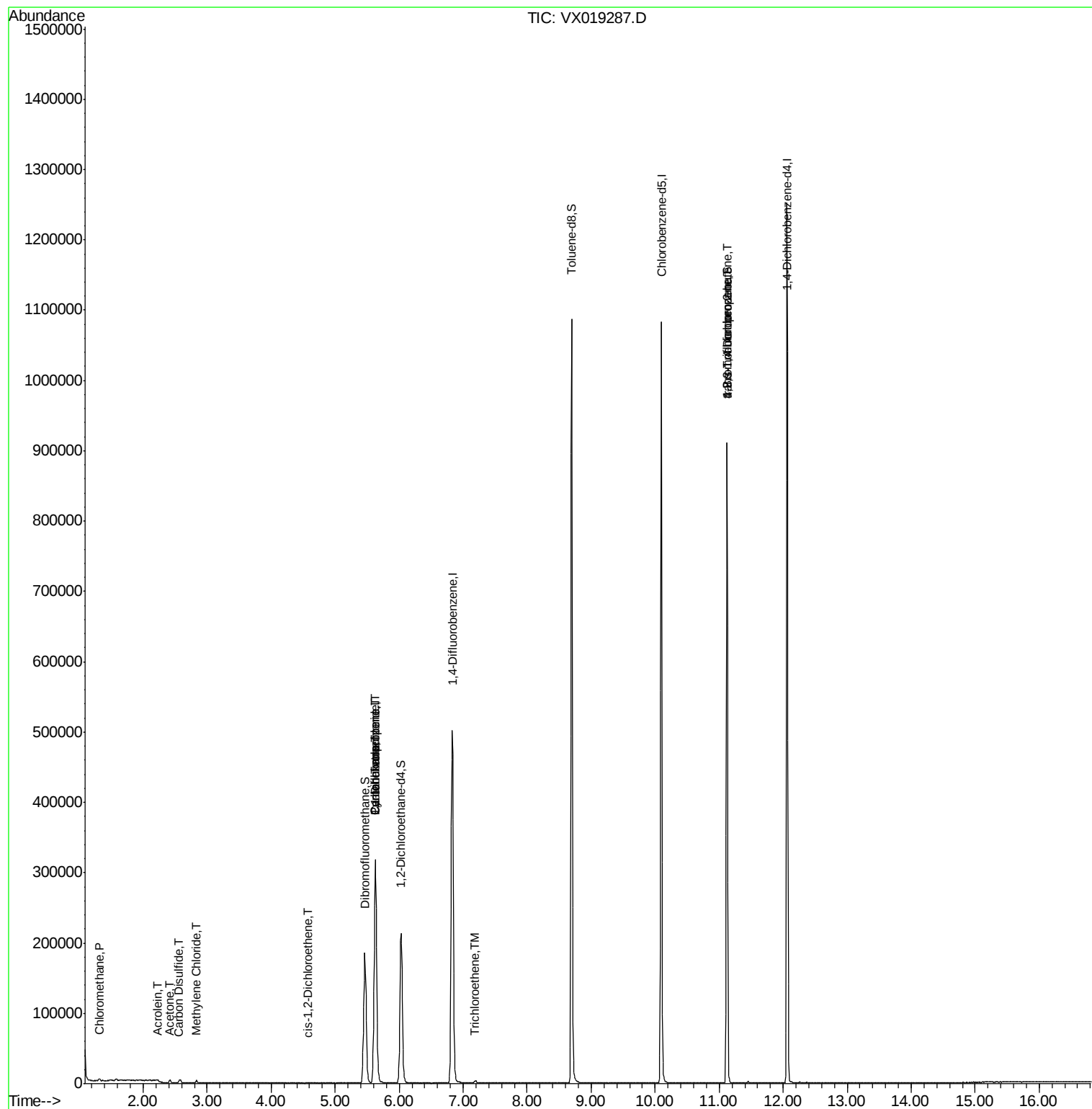
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1306	0.487	ug/l	94
13) Acrolein	2.23	56	95	5.931	ug/l #	55
16) Acetone	2.42	43	4251	3.317	ug/l	97
17) Carbon Disulfide	2.56	76	509	0.823	ug/l #	57
20) Methylene Chloride	2.84	84	1538	0.478	ug/l	90
27) cis-1,2-Dichloroethene	4.57	96	877	0.244	ug/l	68
31) Cyclohexane	5.62	56	6286	1.339	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23526	4.970	ug/l #	50
38) Carbon Tetrachloride	5.63	117	30458	6.313	ug/l #	17
44) Trichloroethene	7.18	130	1378	0.359	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	125943	24.210	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	125943	63.743	ug/l #	12

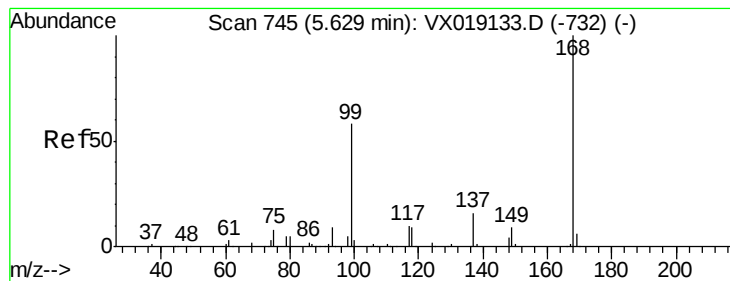
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampleId :

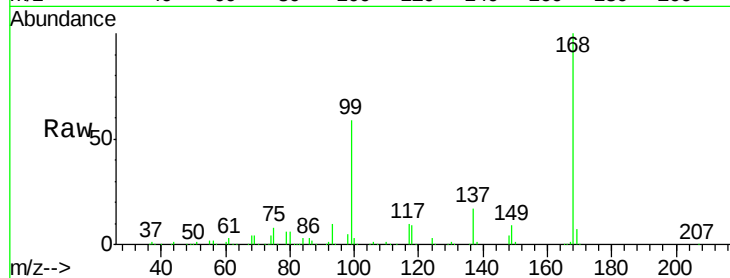
FA20-CHY08

Tot Ion:168 Resp: 288054

Ion Ratio Lower Upper

168 100

99 59.0 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

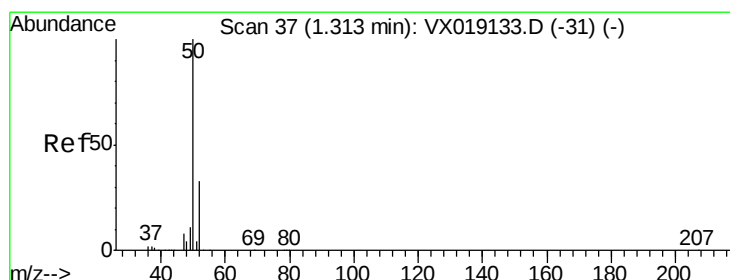
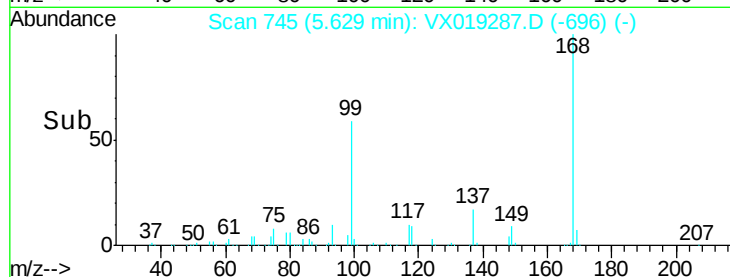
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.487 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019287.D

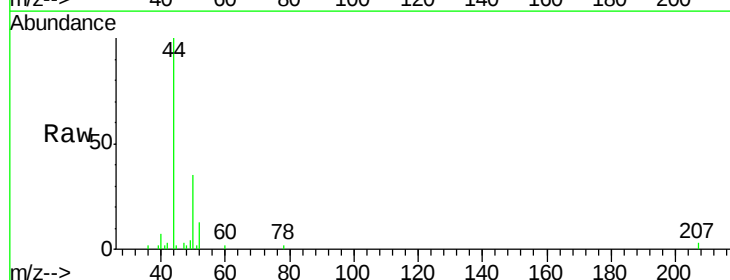
Acq: 04 Nov 2020 22:18

Tgt Ion: 50 Resp: 1306

Ion Ratio Lower Upper

50 100

52 37.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

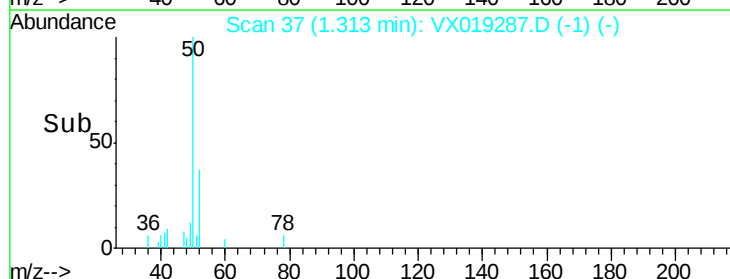
1000

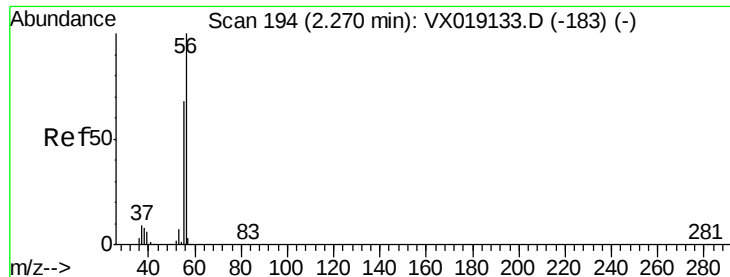
500

0

Time-->

1.30 1.35





#13

Acrolein

Concen: 5.931 ug/l

RT: 2.23 min Scan# 188

Delta R.T. -0.04 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampleId :

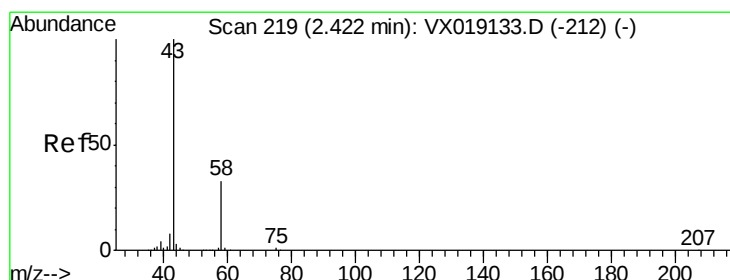
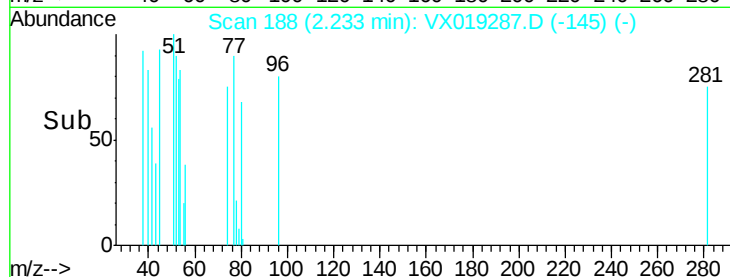
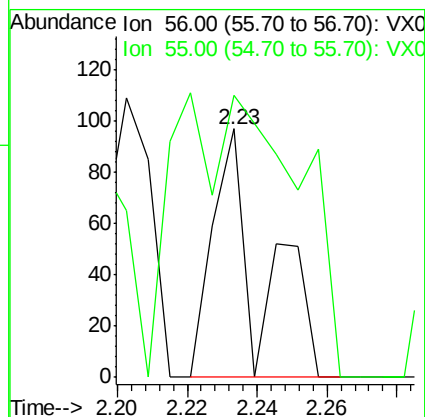
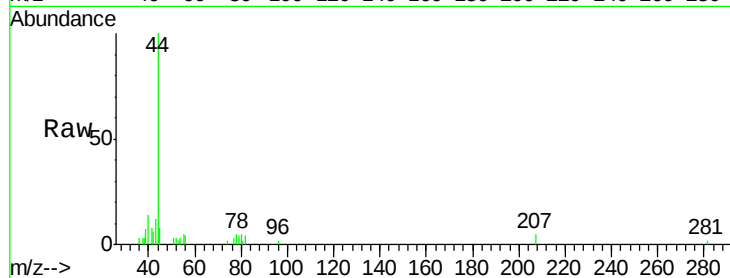
FA20-CHY08

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 105.3 54.7 82.1#



#16

Acetone

Concen: 3.317 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019287.D

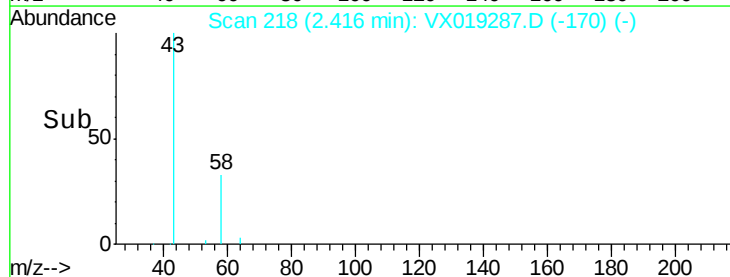
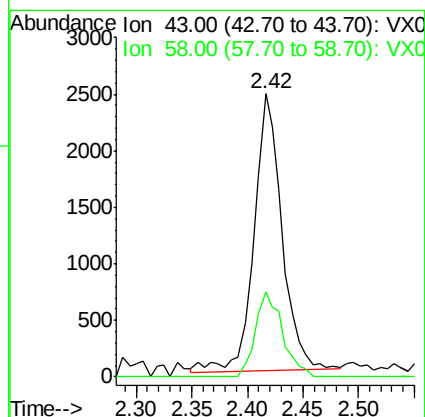
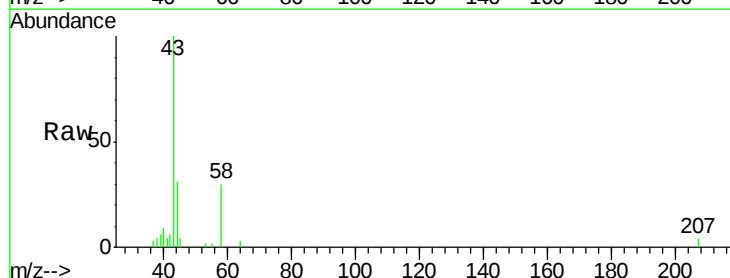
Acq: 04 Nov 2020 22:18

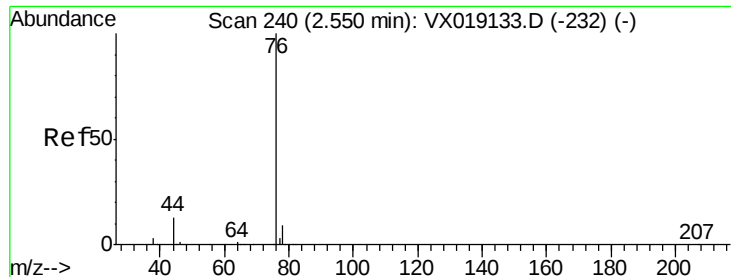
Tgt Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

58 31.1 26.3 39.5





#17

Carbon Disulfide

Concen: 0.823 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampleId :

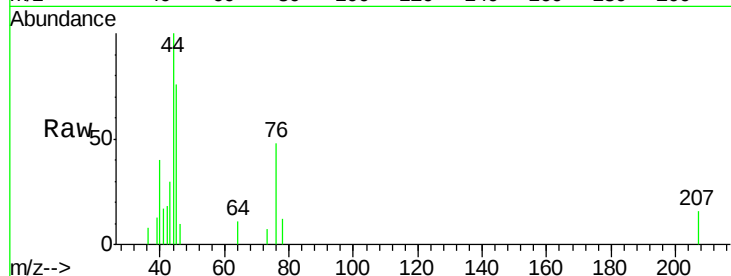
FA20-CHY08

Tot Ion: 76 Resp: 509

Ion Ratio Lower Upper

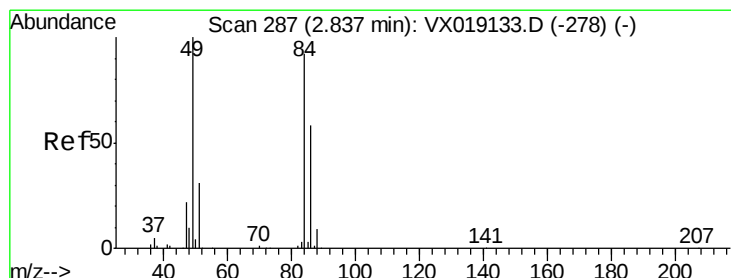
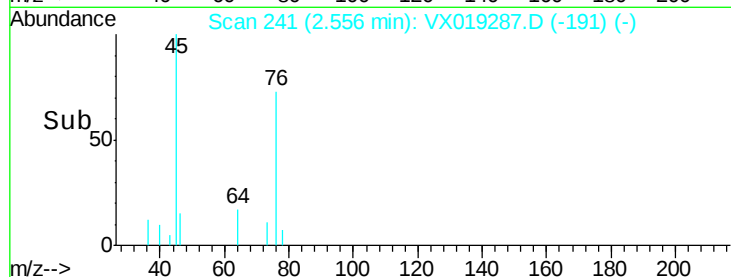
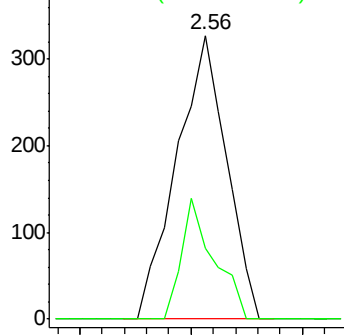
76 100

78 24.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.478 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Tgt Ion: 84 Resp: 1538

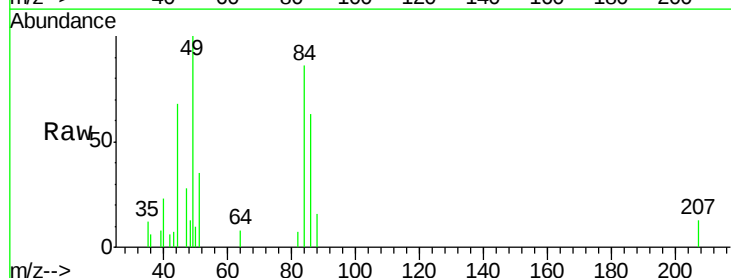
Ion Ratio Lower Upper

84 100

49 116.2 86.8 130.2

51 40.3 27.3 40.9

86 73.2 50.6 76.0

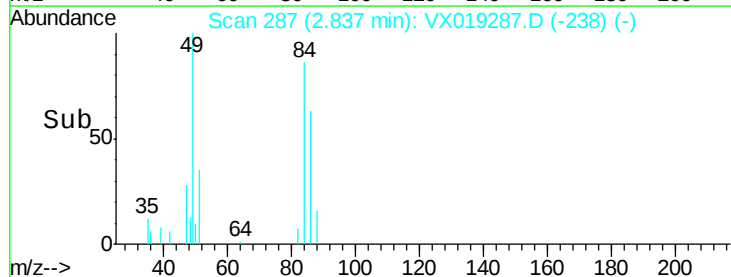
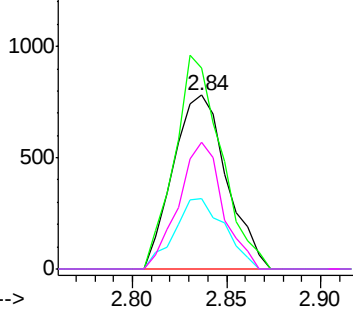


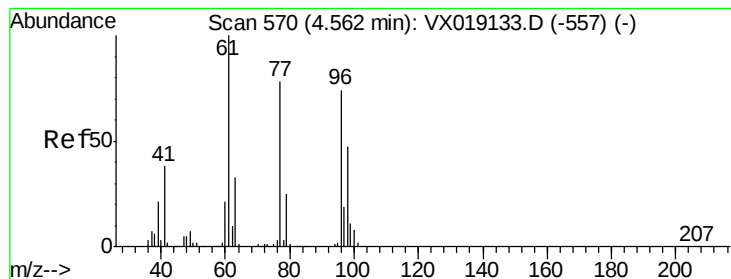
Abundance Ion 83.90 (83.60 to 84.60): VX0

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



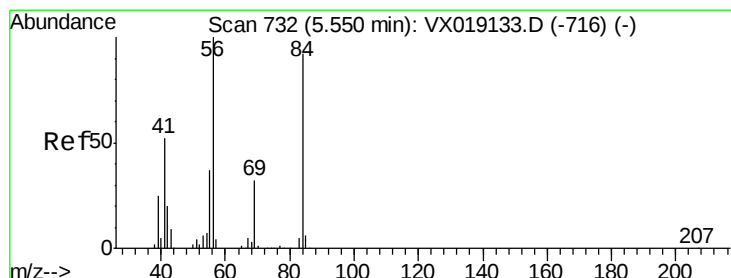
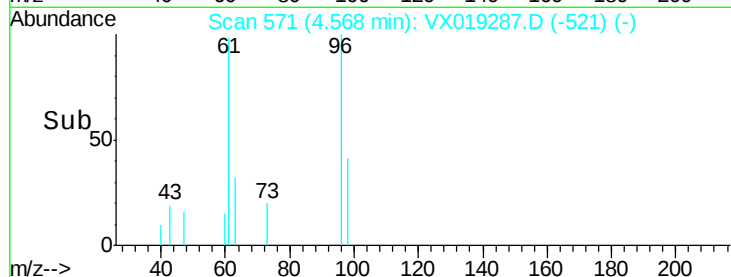
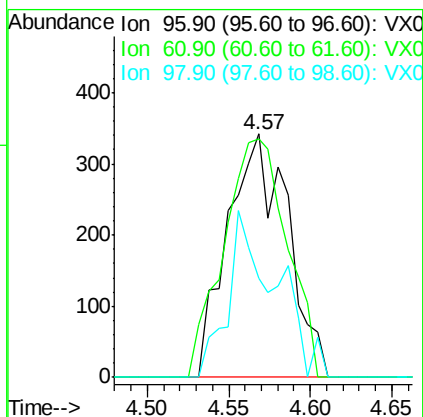
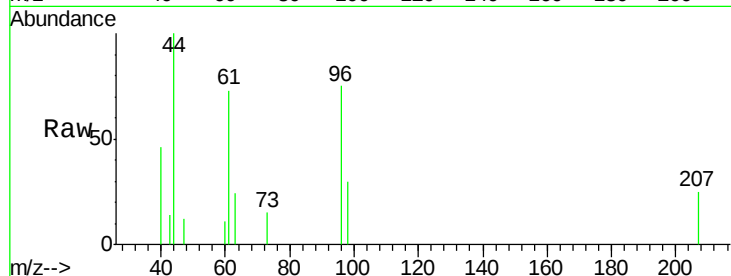


#27

cis-1,2-Dichloroethene
 Concen: 0.244 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019287.D
 Acq: 04 Nov 2020 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-CHY08

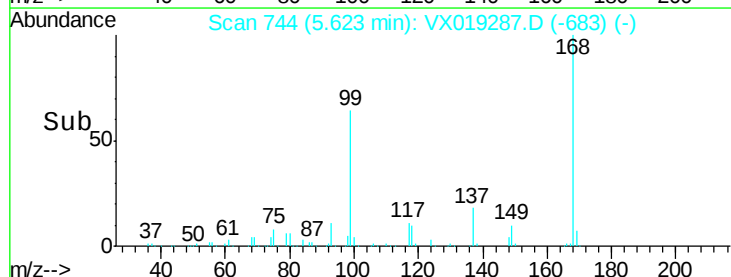
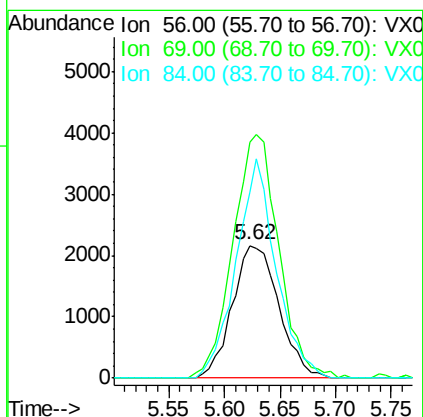
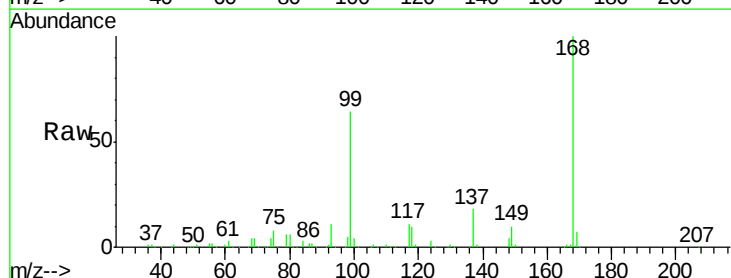
Tot Ion	Ratio	Lower	Upper
96	100		
61	103.5	0.0	278.8
98	36.4	0.0	130.2

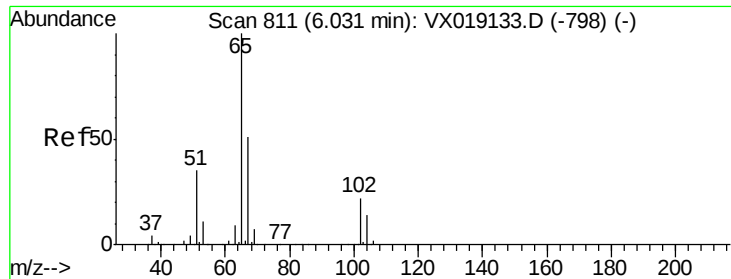


#31

Cyclohexane
 Concen: 1.339 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX019287.D
 Acq: 04 Nov 2020 22:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	178.4	25.9	38.9#
84	140.5	73.4	110.2#





#33

1,2-Dichloroethane-d4

Concen: 55.460 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampleId :

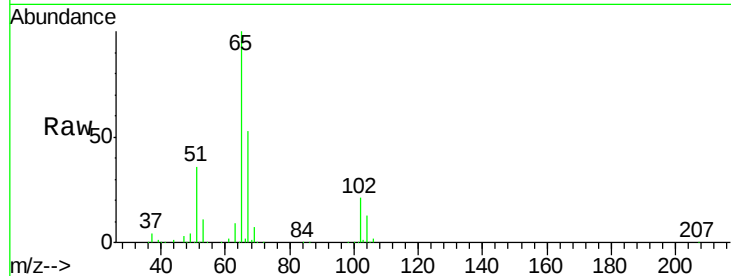
FA20-CHY08

Tot Ion: 65 Resp: 206022

Ion Ratio Lower Upper

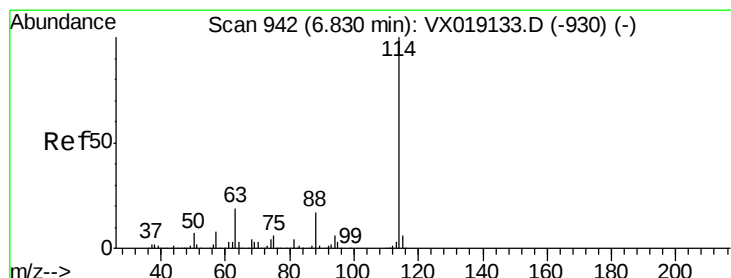
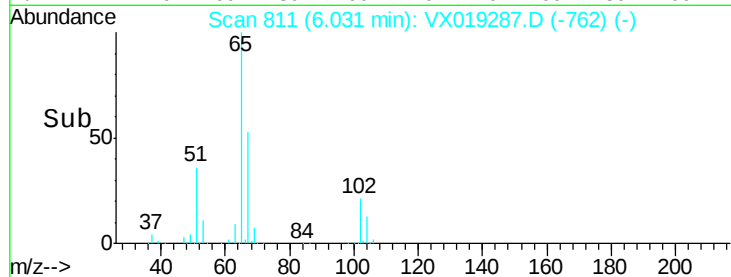
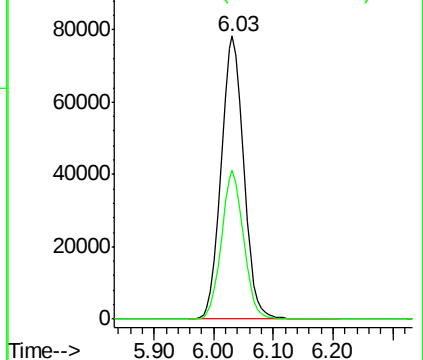
65 100

67 51.5 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: VX019287.D

Acq: 04 Nov 2020 22:18

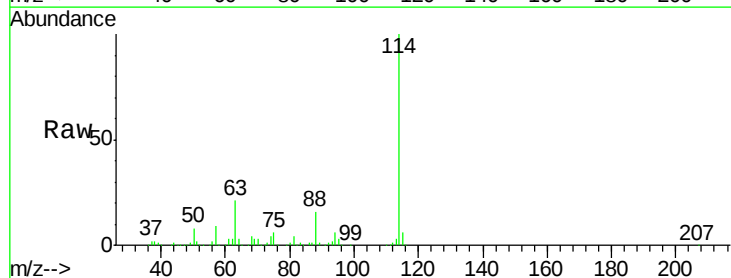
Tgt Ion: 114 Resp: 512597

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

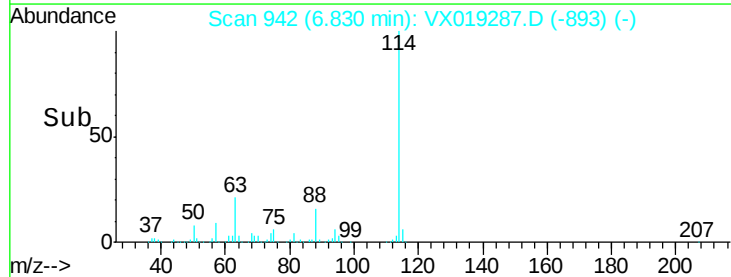
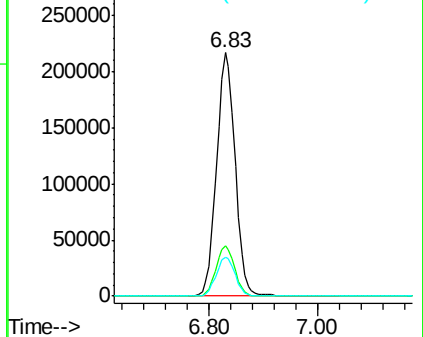
88 15.8 0.0 34.2

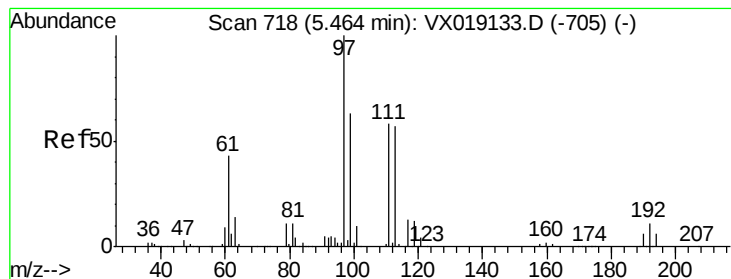


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.112 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

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ClientSampleId :

FA20-CHY08

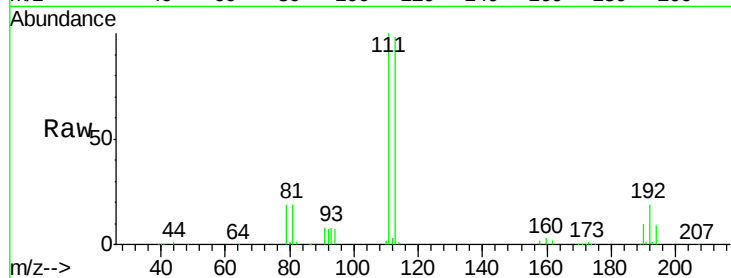
Tot Ion:113 Resp: 161352

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

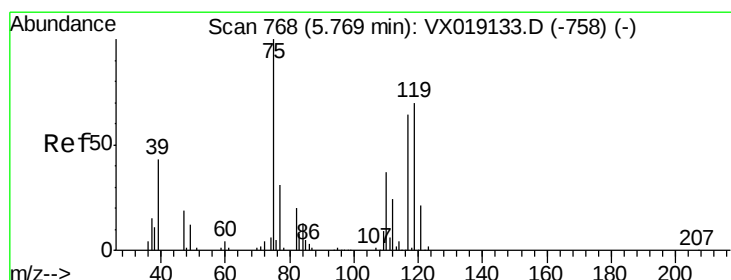
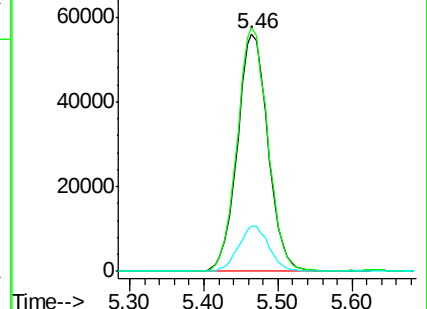
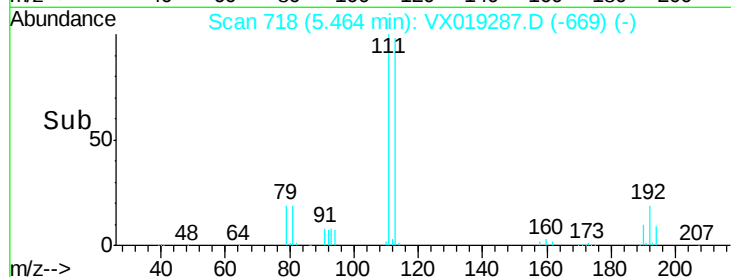
192 19.2 16.2 24.2



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: 4.970 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

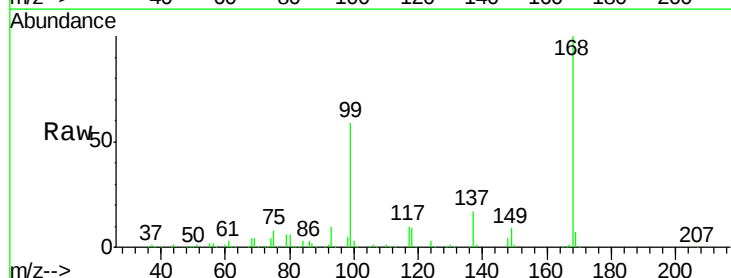
Tgt Ion: 75 Resp: 23526

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.9#

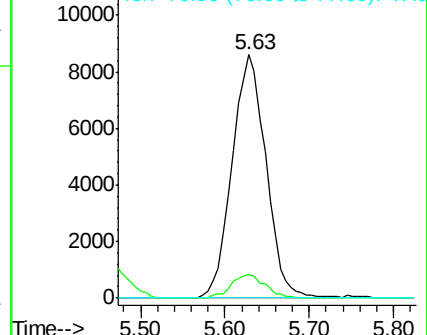
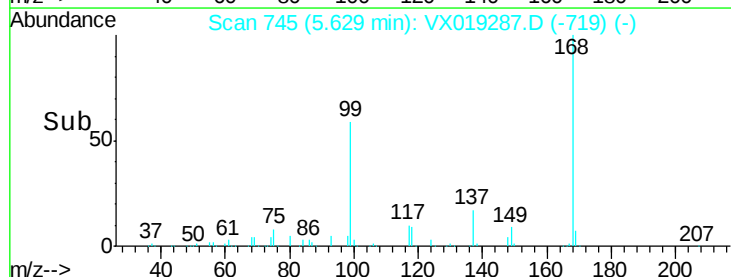
77 0.0 24.9 37.3#

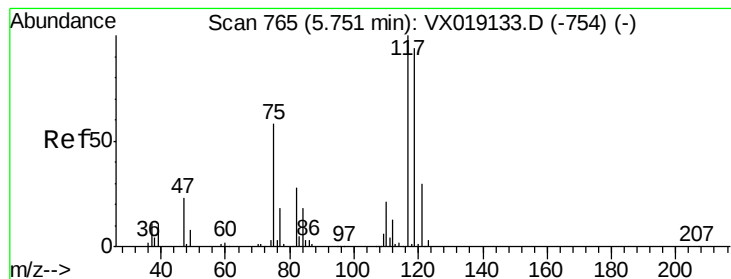


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.313 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampled :

FA20-CHY08

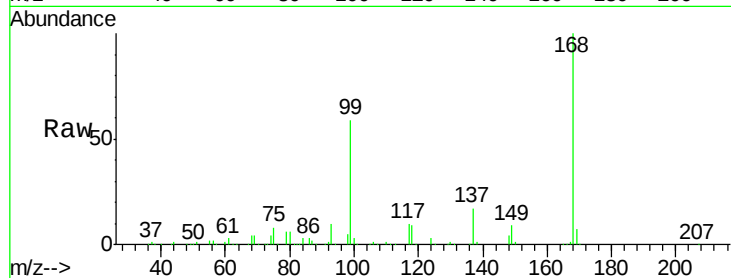
Tot Ion:117 Resp: 30458

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

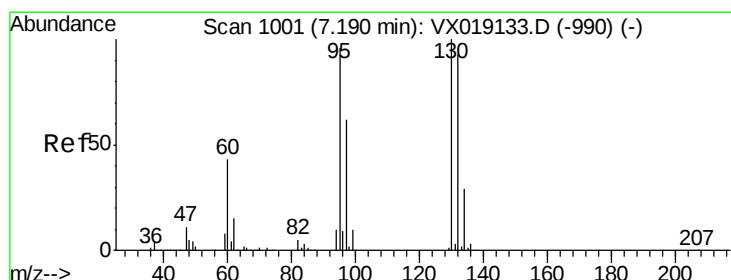
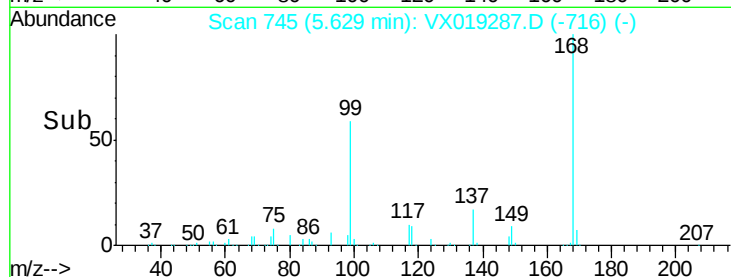
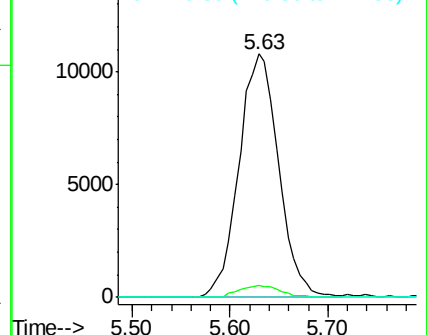
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 0.359 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX019287.D

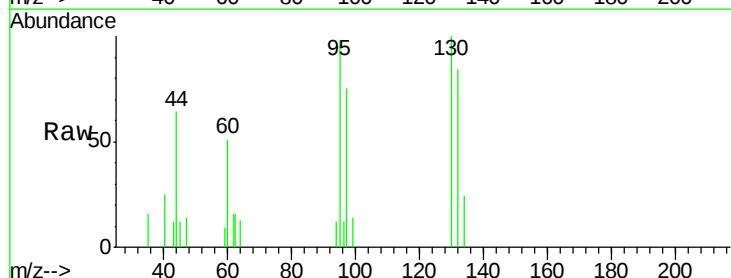
Acq: 04 Nov 2020 22:18

Tgt Ion:130 Resp: 1378

Ion Ratio Lower Upper

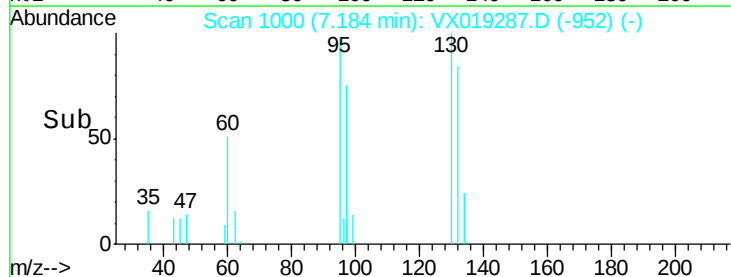
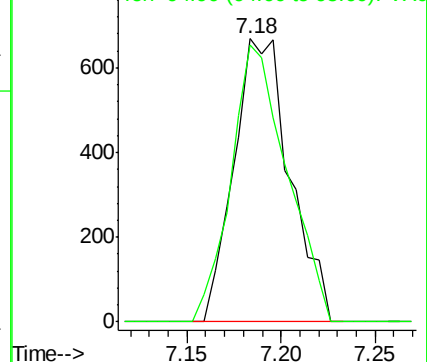
130 100

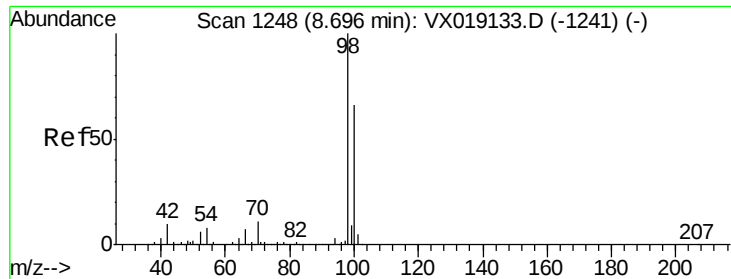
95 97.9 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.864 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampleId :

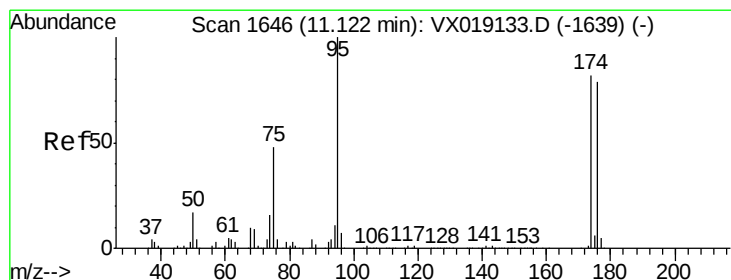
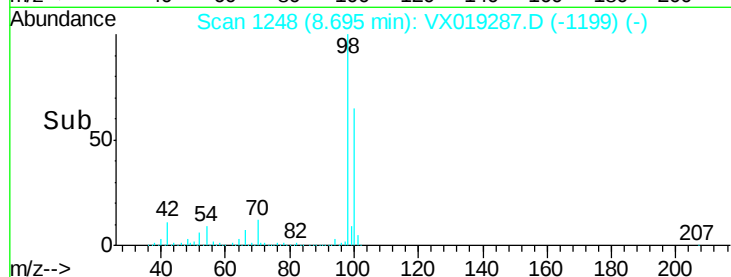
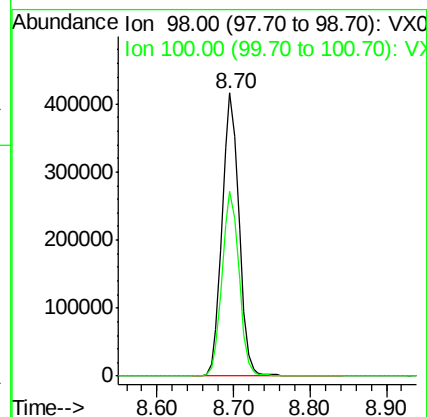
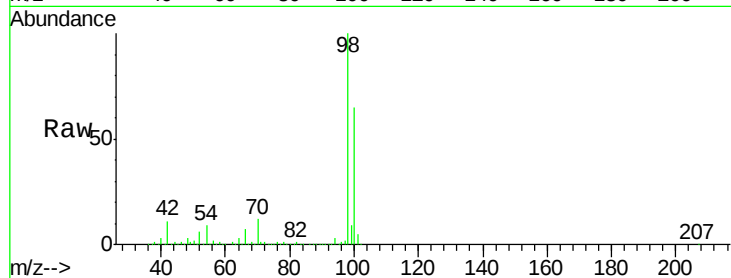
FA20-CHY08

Tot Ion: 98 Resp: 641641

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 52.419 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

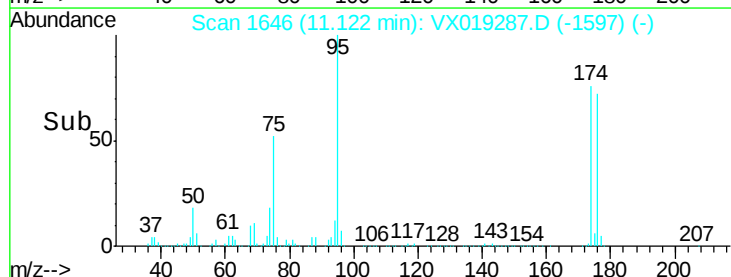
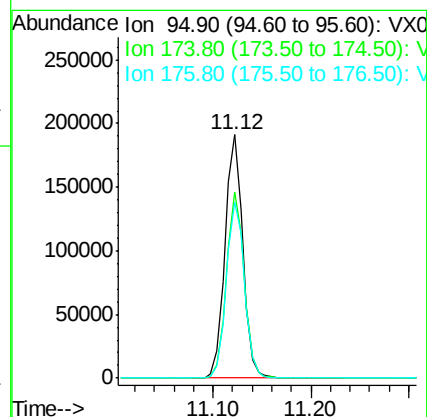
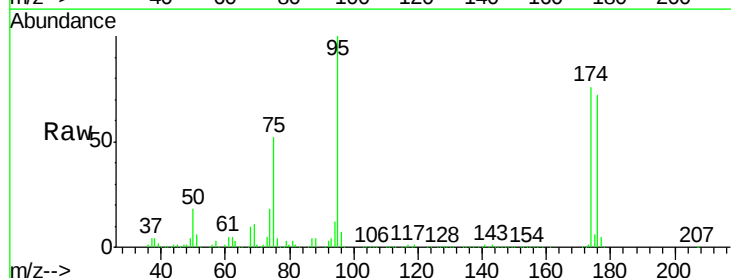
Tgt Ion: 95 Resp: 240948

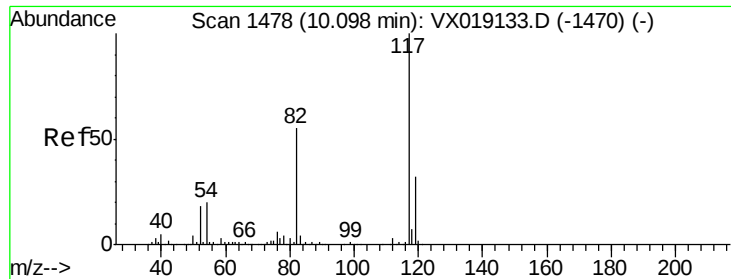
Ion Ratio Lower Upper

95 100

174 76.0 0.0 156.0

176 73.8 0.0 149.8

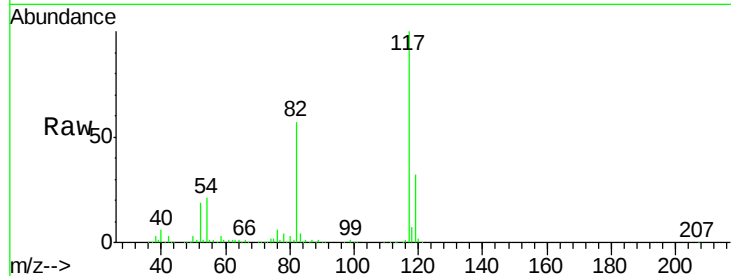




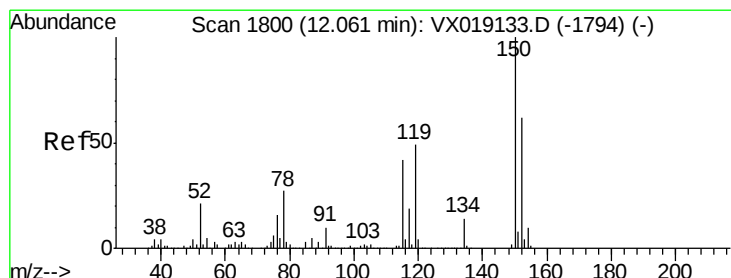
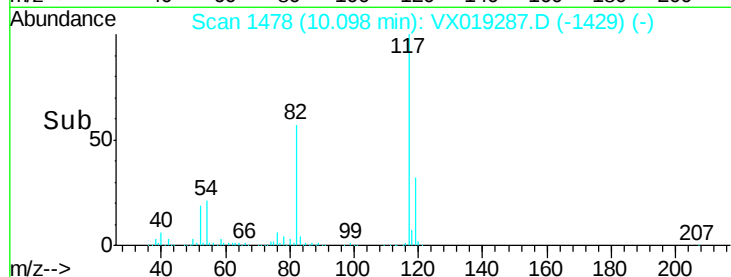
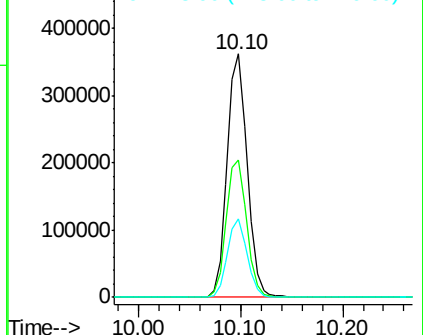
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019287.D
Acq: 04 Nov 2020 22:18

Instrument :
MSVOA_X
ClientSampleId :
FA20-CHY08

Tot Ion:117 Resp: 494008
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 32.3 25.5 38.3

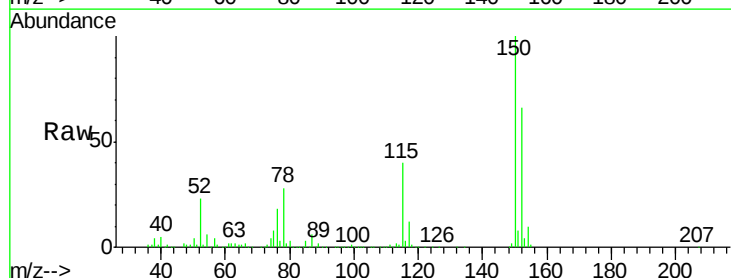


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

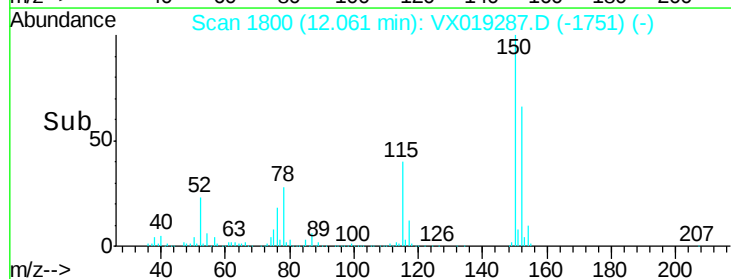
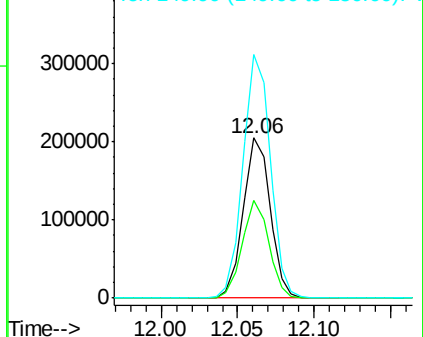


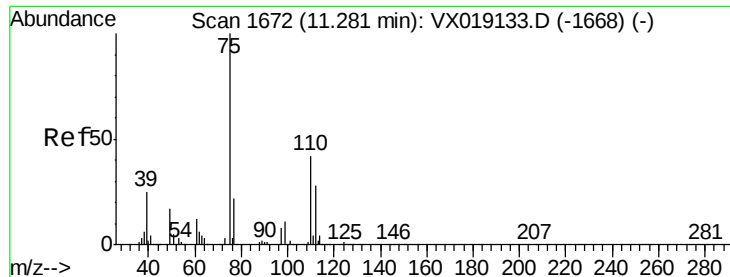
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019287.D
Acq: 04 Nov 2020 22:18

Tgt Ion:152 Resp: 251949
Ion Ratio Lower Upper
152 100
115 60.4 41.9 125.7
150 154.8 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: 24.210 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

Instrument :

MSVOA_X

ClientSampled :

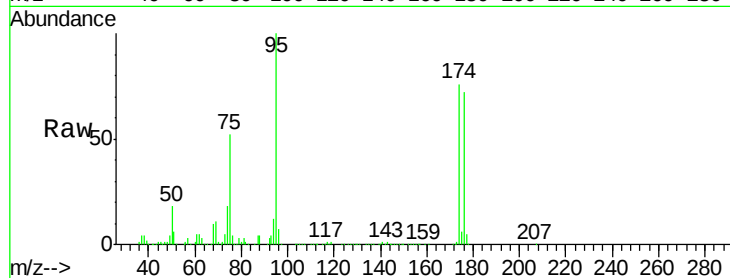
FA20-CHY08

Tot Ion: 75 Resp: 125943

Ion Ratio Lower Upper

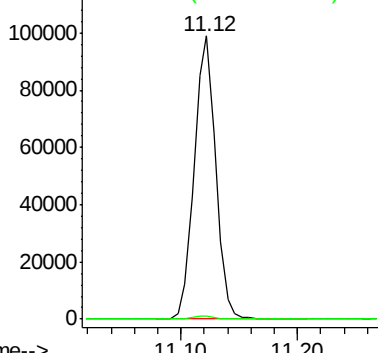
75 100

77 1.1 20.3 60.9#

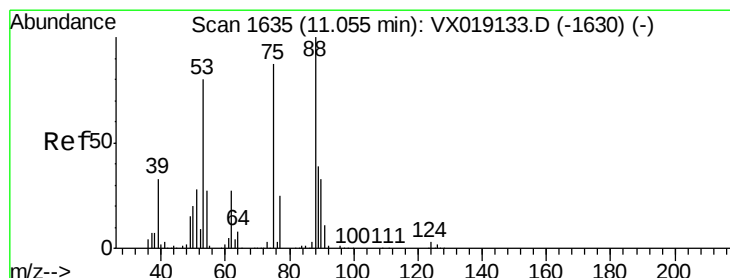
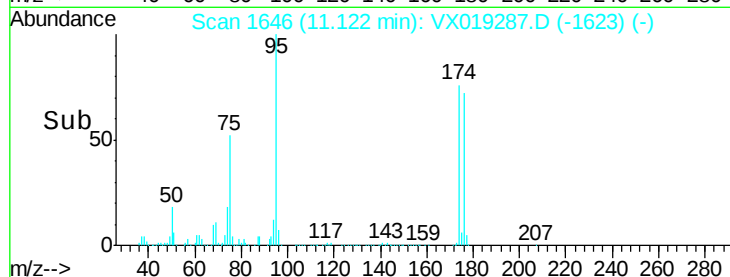


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.743 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019287.D

Acq: 04 Nov 2020 22:18

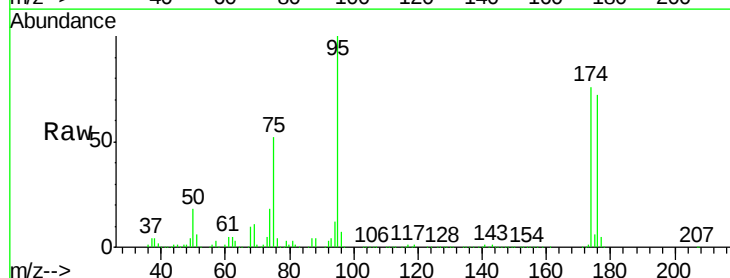
Tgt Ion: 75 Resp: 125943

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

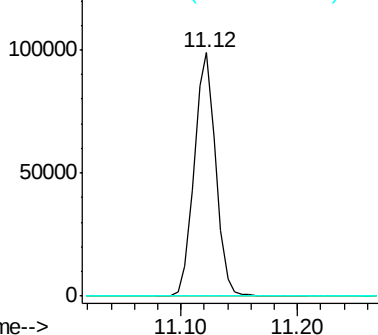
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

