

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019285.D
 Acq On : 04 Nov 2020 21:33
 Operator : JC/MD
 Sample : L4616-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:27:34 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	288338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507791	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	484816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240076	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	201992	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
35) Dibromofluoromethane	5.46	113	157743	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	8.70	98	633375	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.12	95	238548	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	

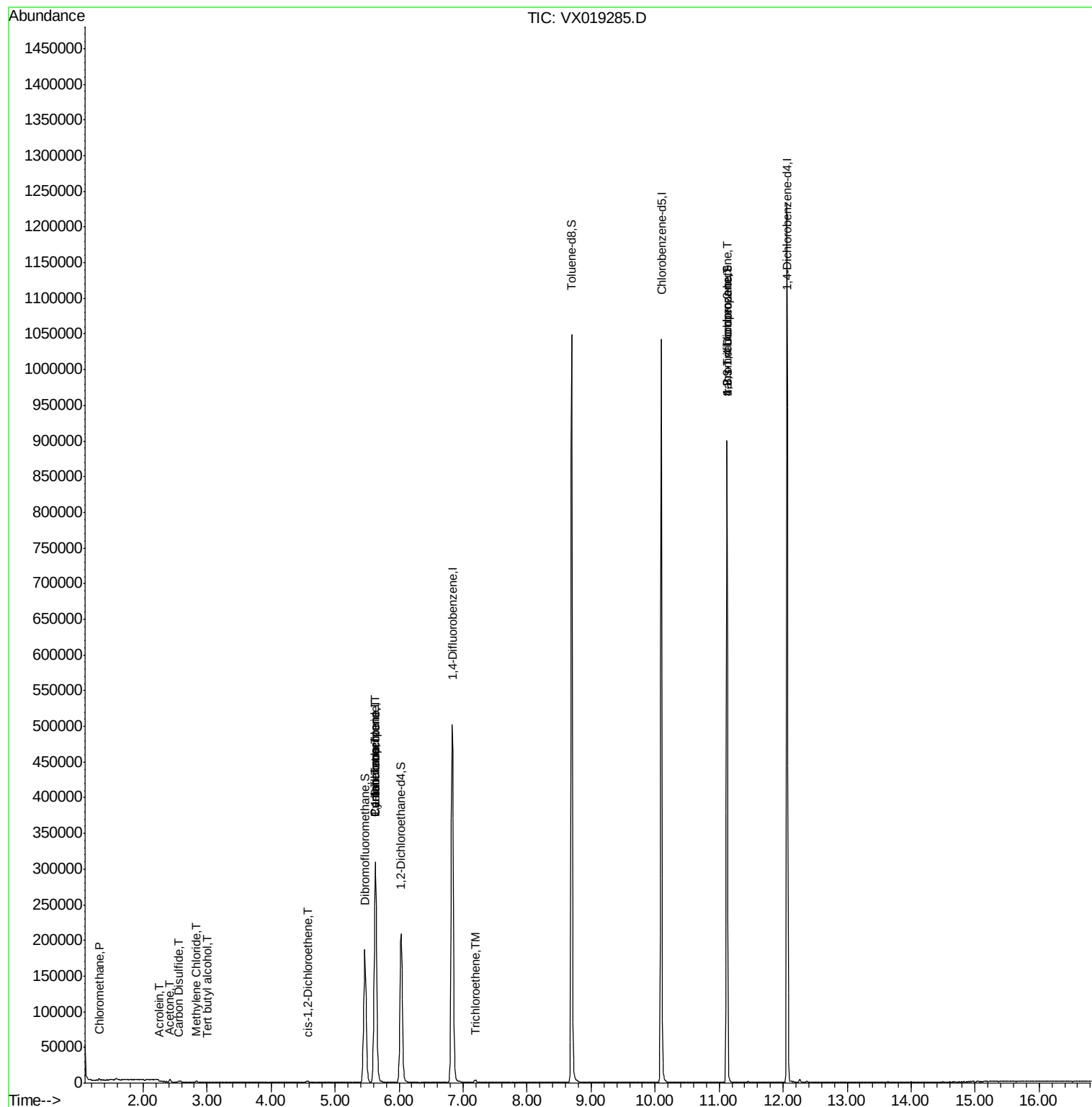
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	802	0.299	ug/l #	86
11) Tert butyl alcohol	3.01	59	155	0.211	ug/l #	72
13) Acrolein	2.26	56	40	5.767	ug/l #	16
16) Acetone	2.42	43	3745	2.919	ug/l	97
17) Carbon Disulfide	2.56	76	1277	0.918	ug/l #	84
20) Methylene Chloride	2.84	84	859	0.267	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	1395	0.388	ug/l	90
31) Cyclohexane	5.63	56	6212	1.322	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23794	5.074	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29715	6.217	ug/l #	17
44) Trichloroethene	7.19	130	1311	0.344	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	123461	24.906	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	123461	65.577	ug/l #	12

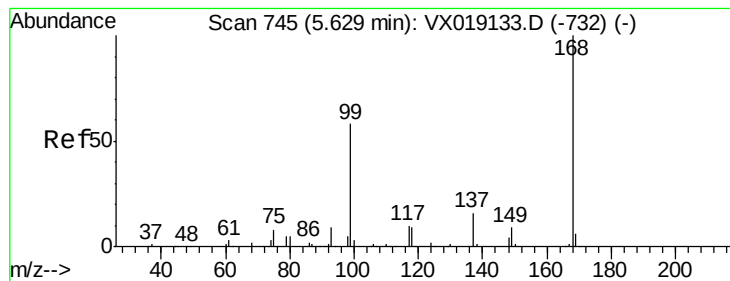
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

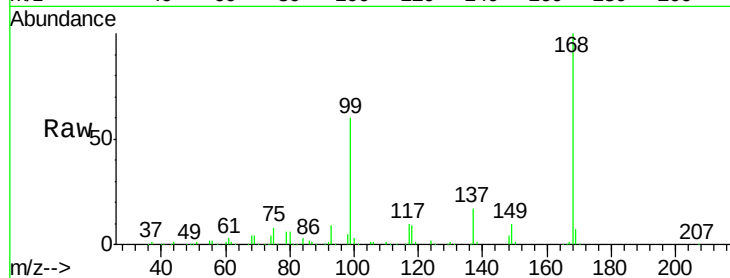
ClientSampleId :

Tot Ion:168 Resp: 288338

Ion Ratio Lower Upper

168 100

99 59.7 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

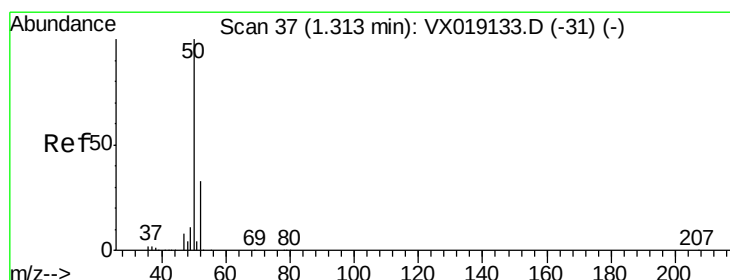
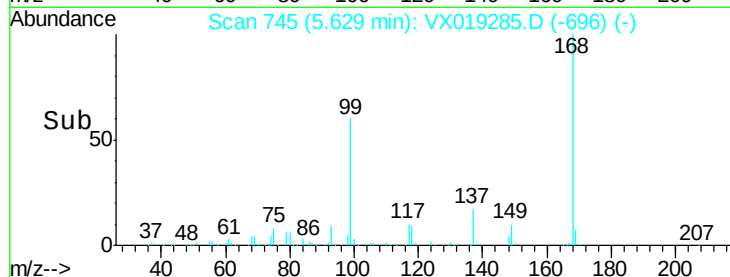
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019285.D

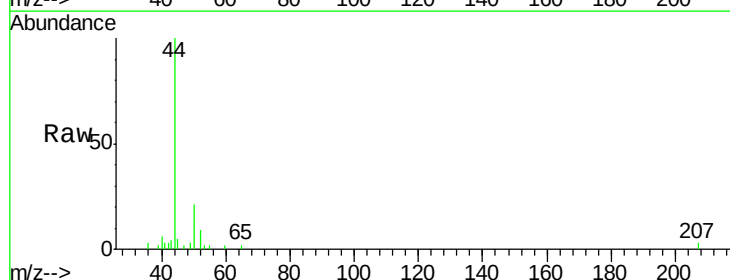
Acq: 04 Nov 2020 21:33

Tgt Ion: 50 Resp: 802

Ion Ratio Lower Upper

50 100

52 41.2 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

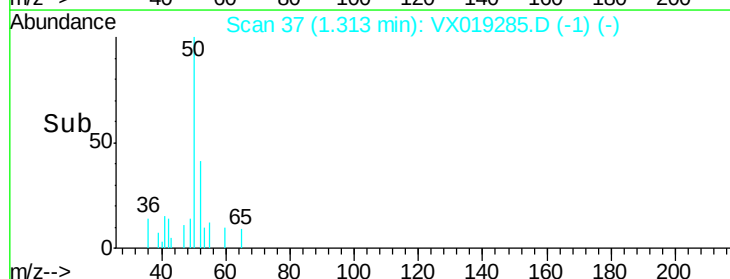
600

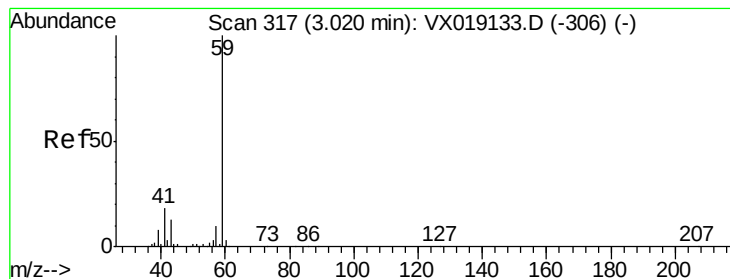
400

200

0

Time-->



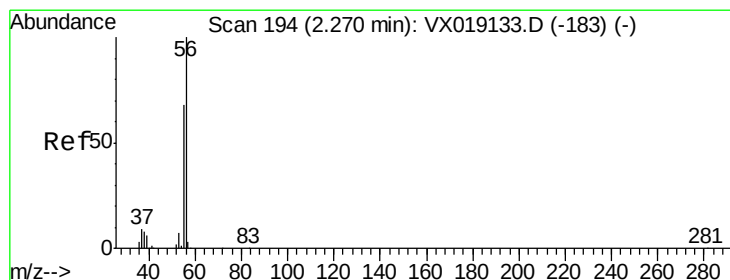
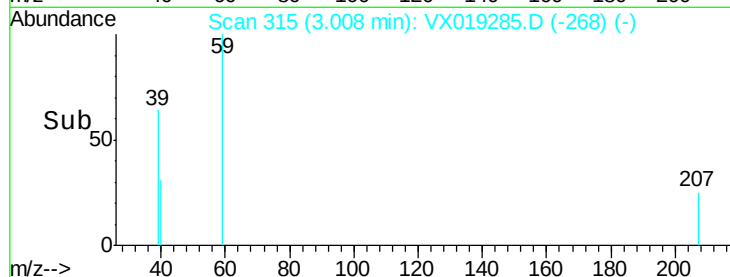
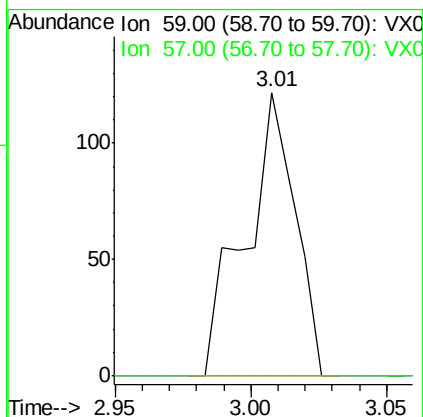
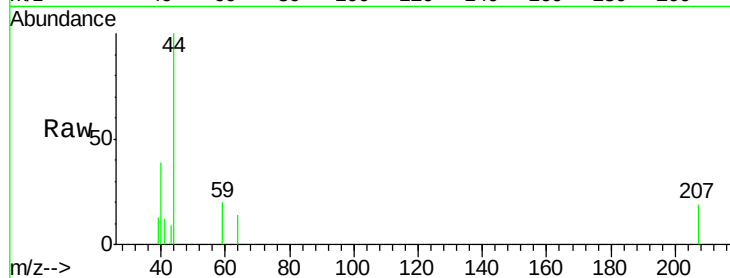


#11

Tert butyl alcohol
 Concen: 0.211 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX019285.D
 Acq: 04 Nov 2020 21:33

Instrument :
 MSVOA_X
 ClientSampled :

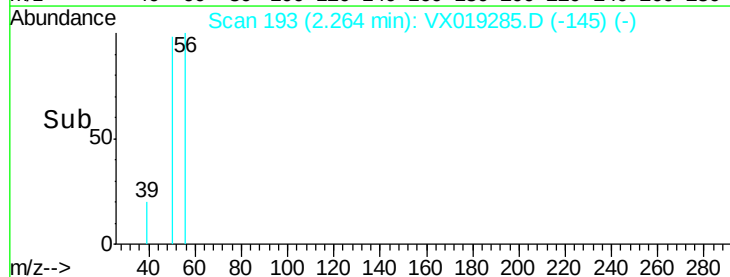
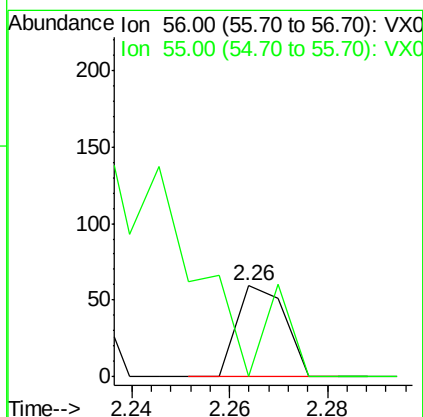
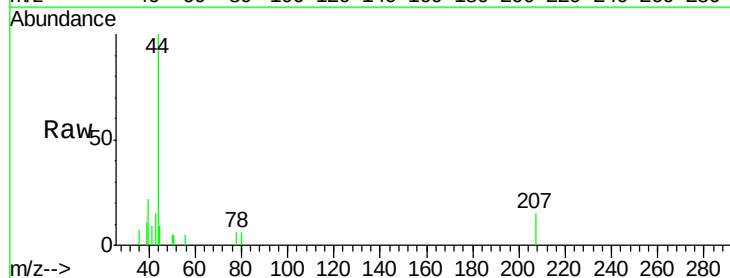
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

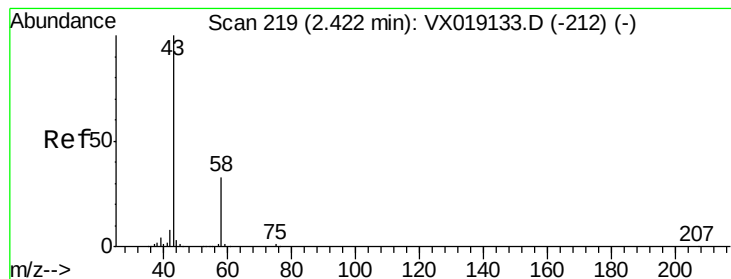


#13

Acrolein
 Concen: 5.767 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX019285.D
 Acq: 04 Nov 2020 21:33

Tgt Ion: 56 Resp: 40
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 2.919 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

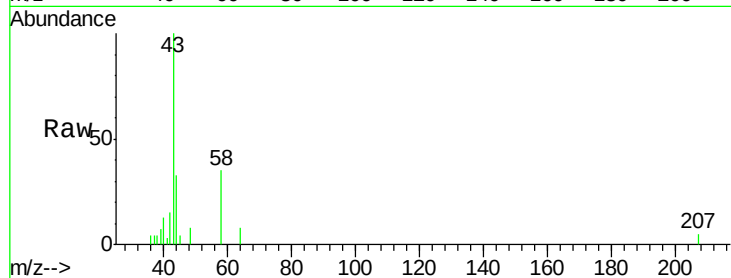
ClientSampled :

Tot Ion: 43 Resp: 3745

Ion Ratio Lower Upper

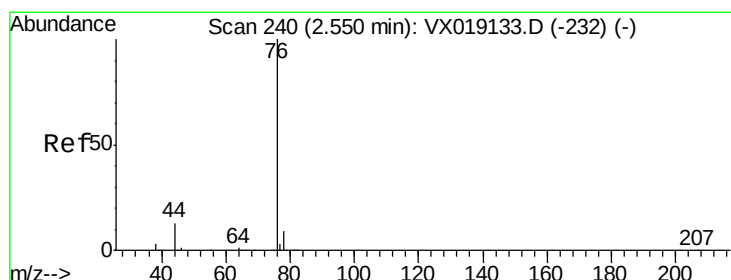
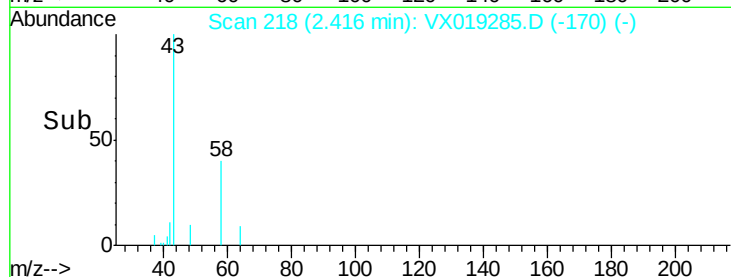
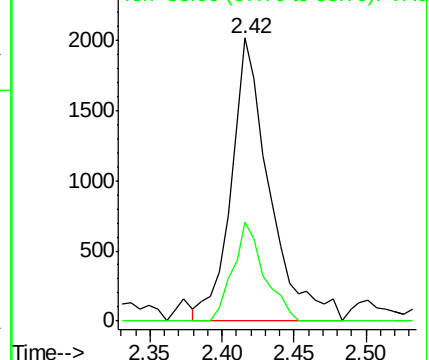
43 100

58 34.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.918 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019285.D

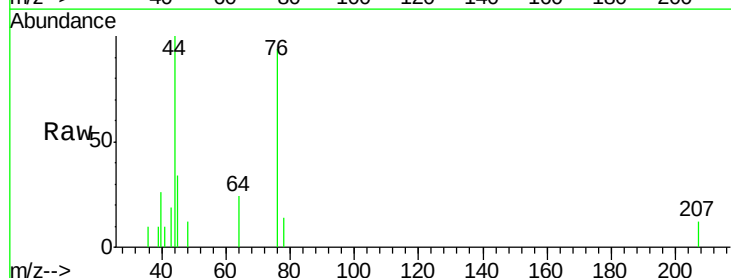
Acq: 04 Nov 2020 21:33

Tgt Ion: 76 Resp: 1277

Ion Ratio Lower Upper

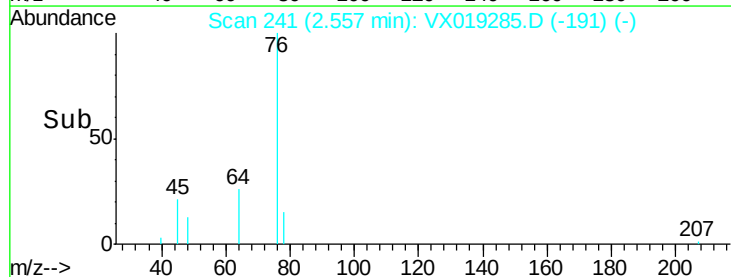
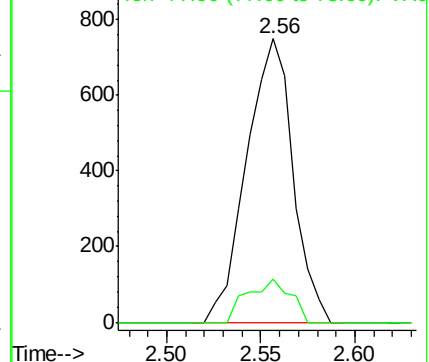
76 100

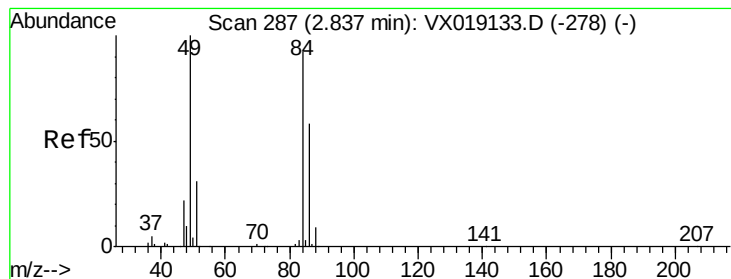
78 15.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.267 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 859

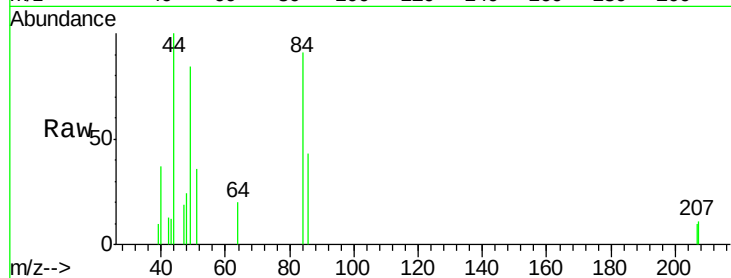
Ion Ratio Lower Upper

84 100

49 92.4 86.8 130.2

51 39.7 27.3 40.9

86 47.3 50.6 76.0#

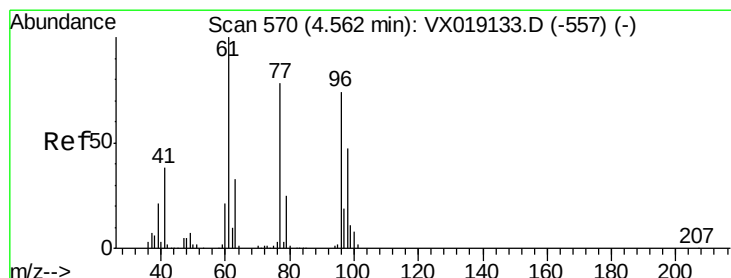
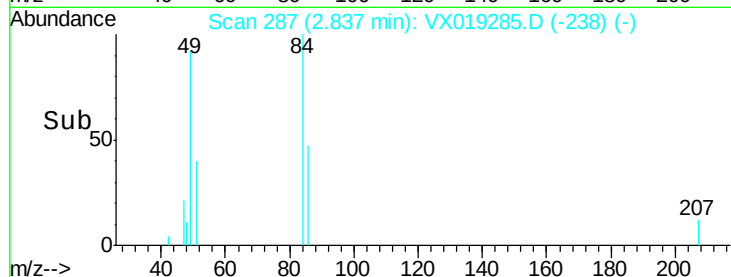
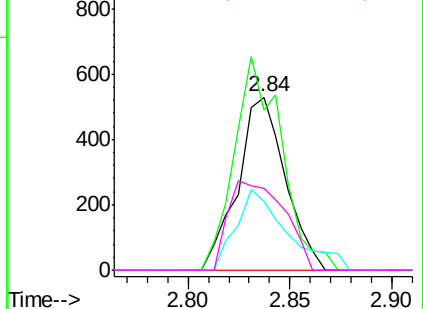


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.388 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

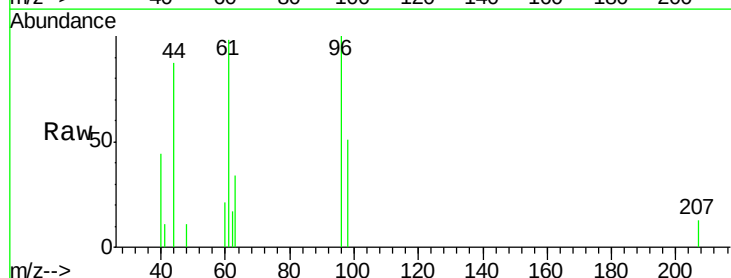
Tgt Ion: 96 Resp: 1395

Ion Ratio Lower Upper

96 100

61 128.0 0.0 278.8

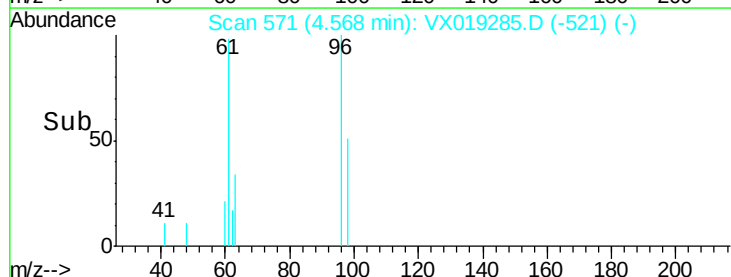
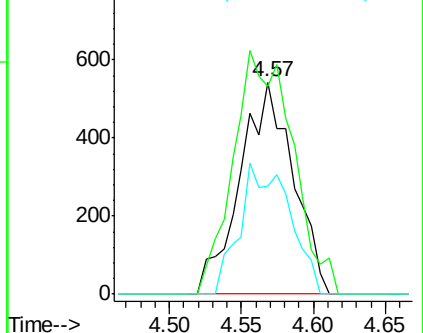
98 57.3 0.0 130.2

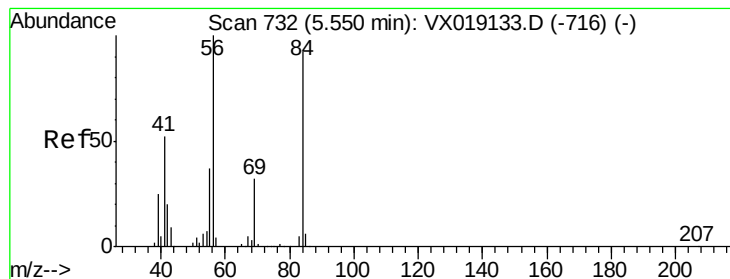


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

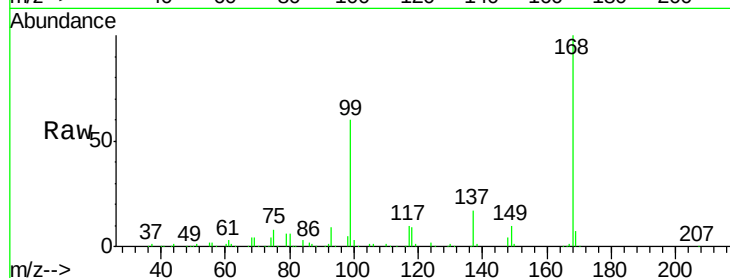
Tot Ion: 56 Resp: 6212

Ion Ratio Lower Upper

56 100

69 200.2 25.9 38.9#

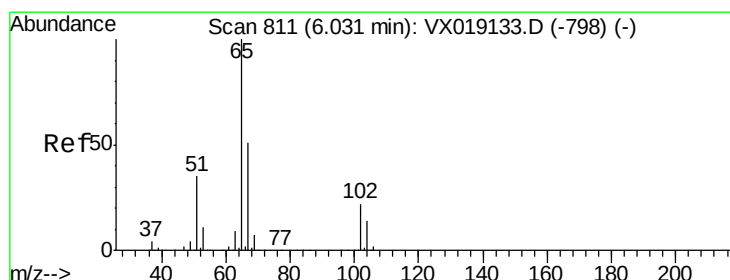
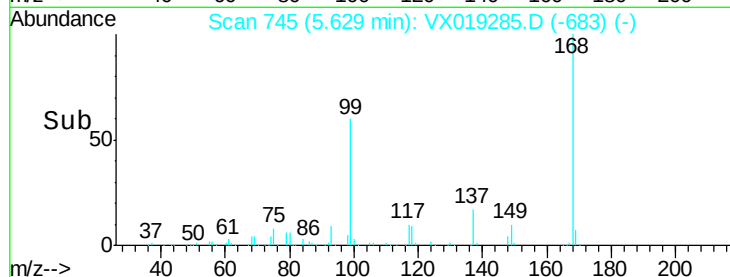
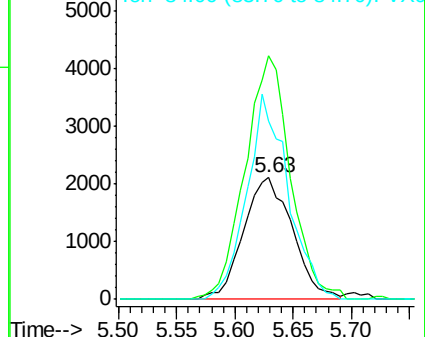
84 146.8 73.4 110.2#



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: 54.321 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019285.D

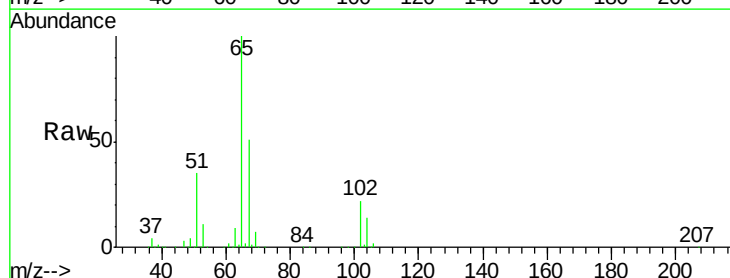
Acq: 04 Nov 2020 21:33

Tgt Ion: 65 Resp: 201992

Ion Ratio Lower Upper

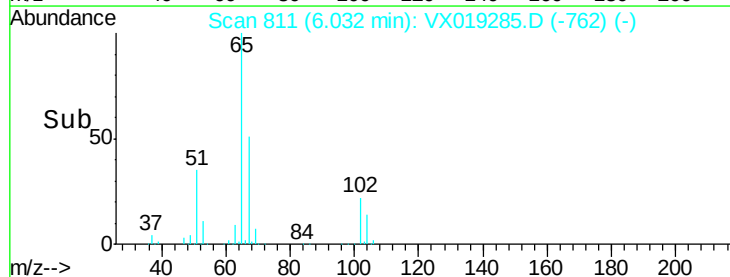
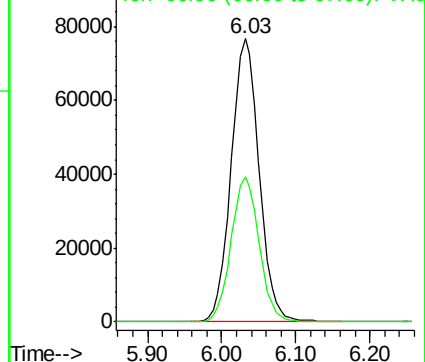
65 100

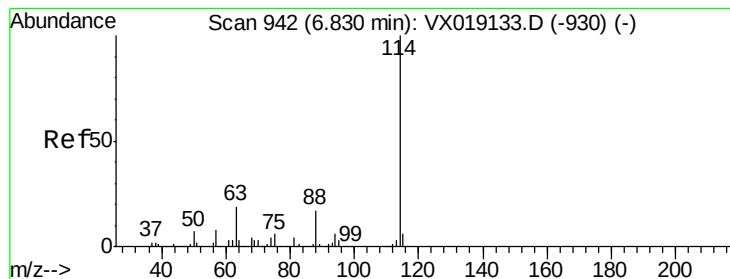
67 51.5 0.0 103.0



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: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

ClientSampled :

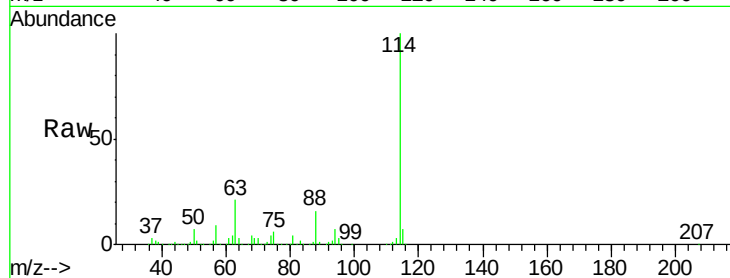
Tot Ion:114 Resp: 507791

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

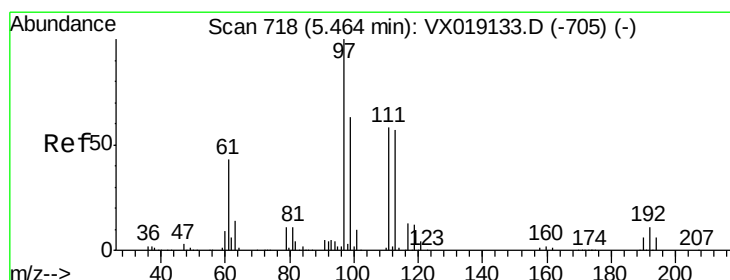
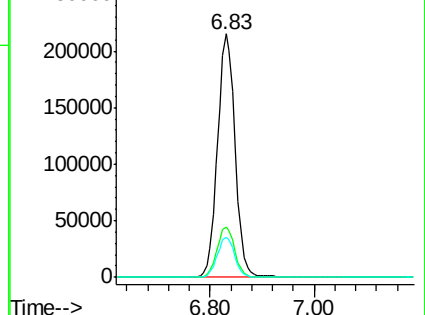
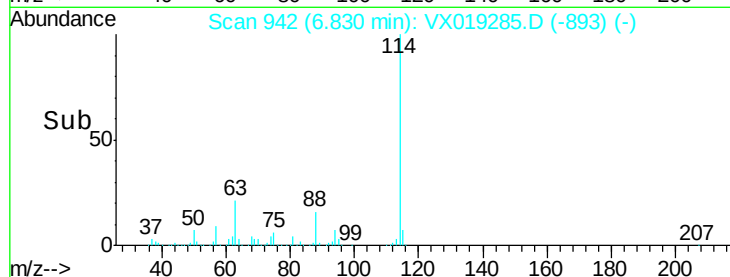
88 16.2 0.0 34.2



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: 49.455 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

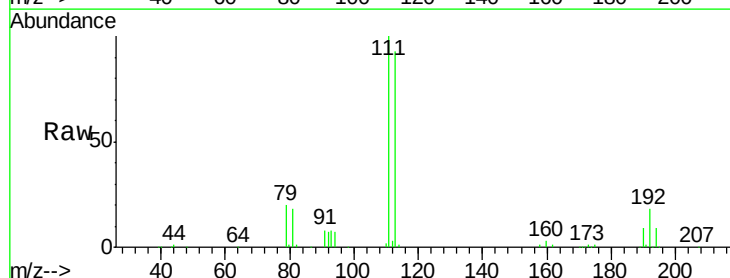
Tgt Ion:113 Resp: 157743

Ion Ratio Lower Upper

113 100

111 104.1 82.3 123.5

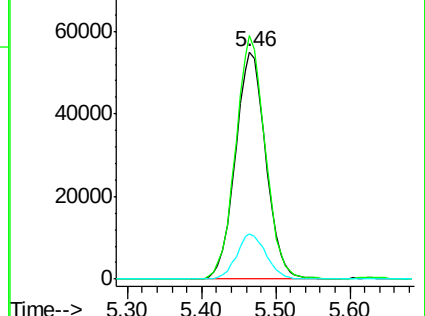
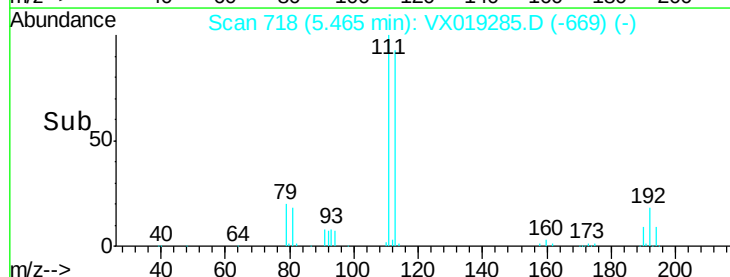
192 19.3 16.2 24.2

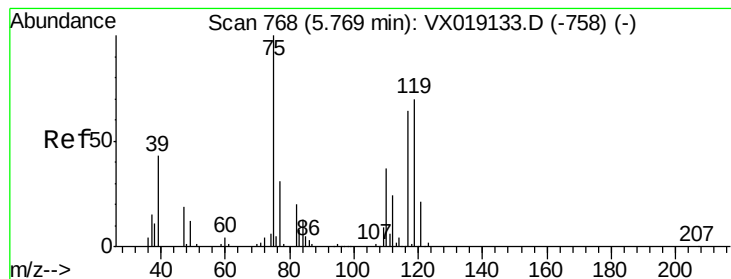


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

ClientSampled :

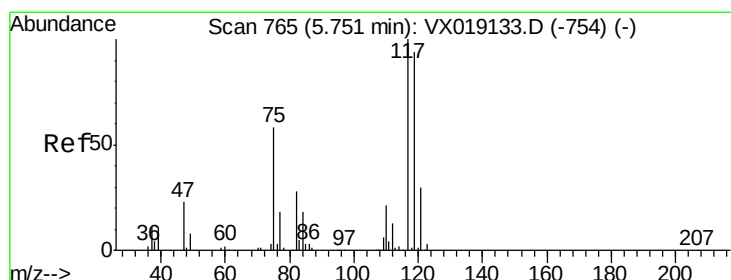
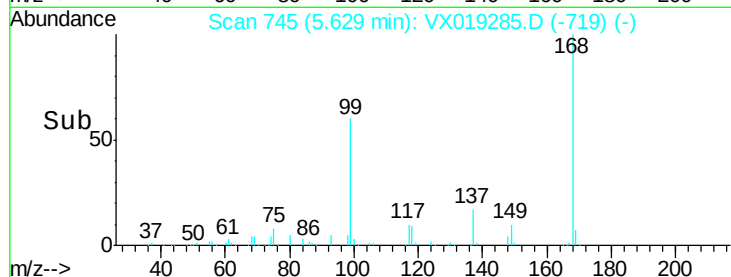
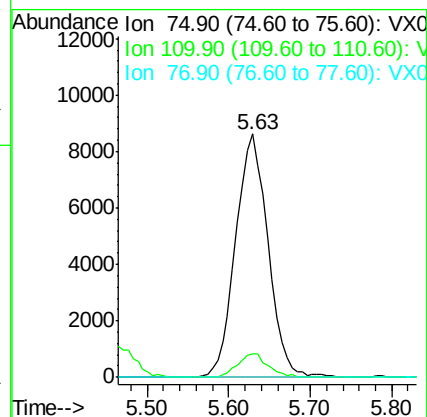
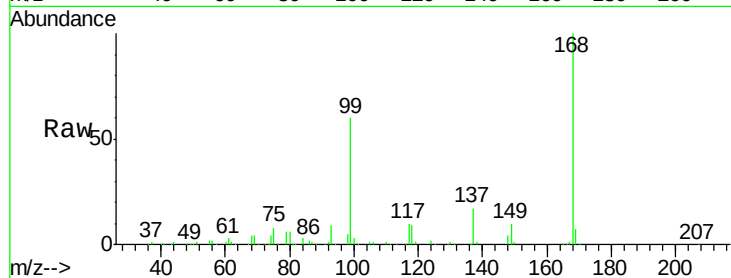
Tot Ion: 75 Resp: 23794

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.217 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

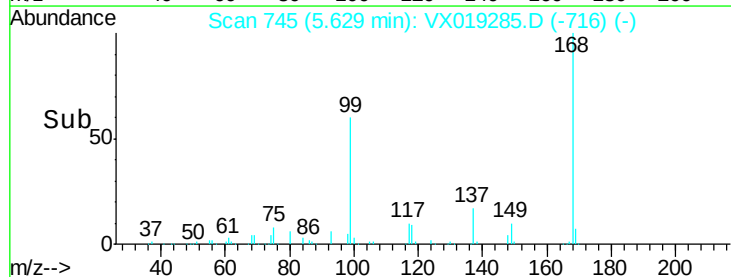
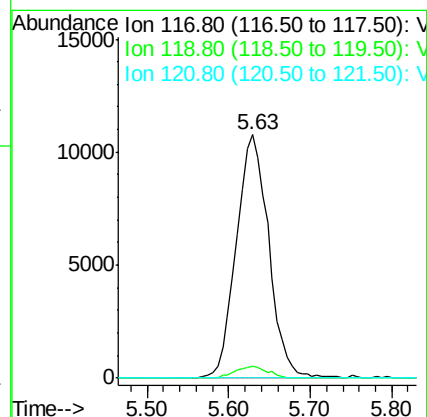
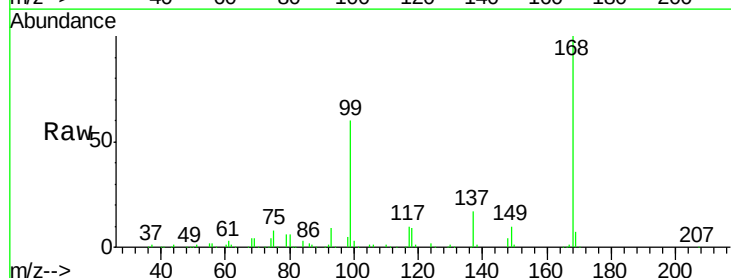
Tgt Ion: 117 Resp: 29715

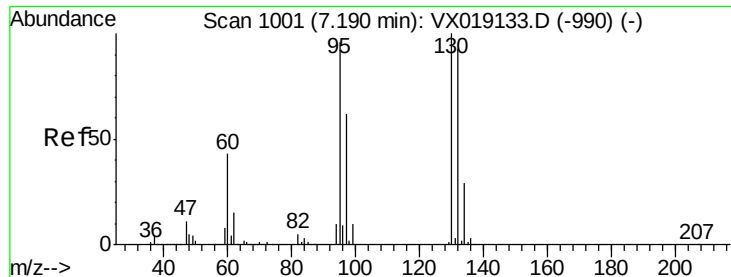
Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 0.344 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

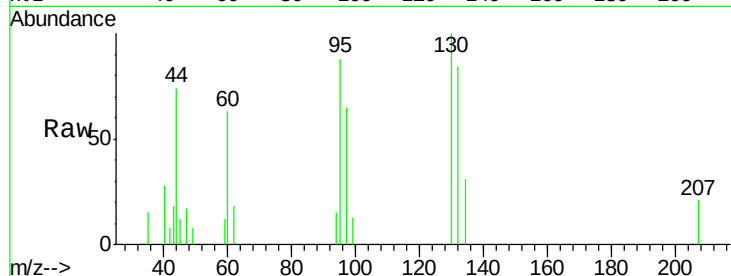
ClientSampleId :

Tot Ion:130 Resp: 1311

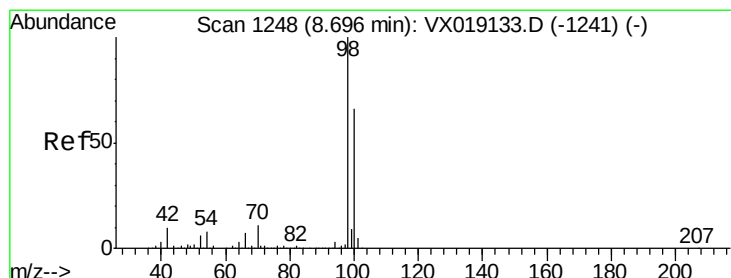
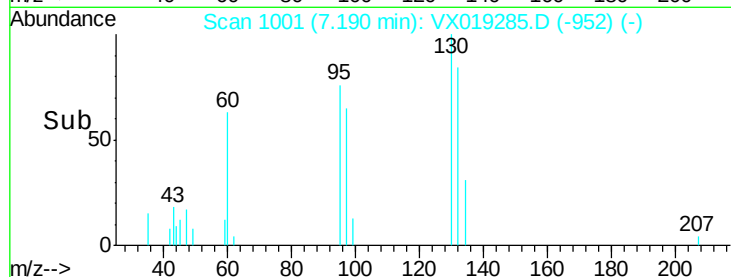
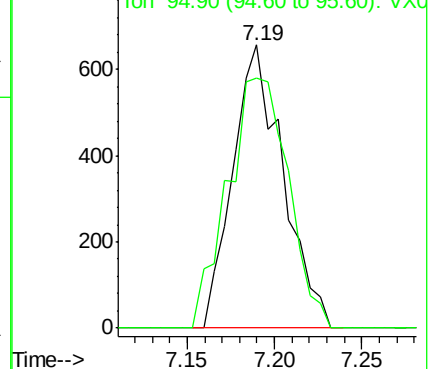
Ion Ratio Lower Upper

130 100

95 88.1 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 52.677 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019285.D

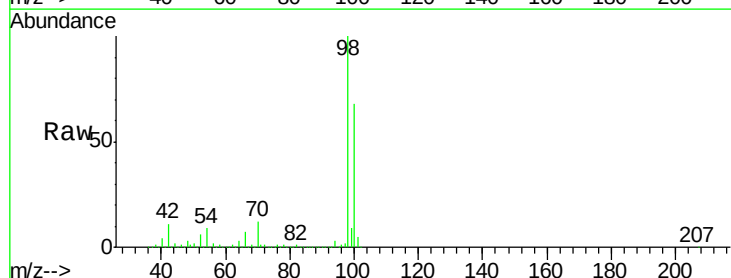
Acq: 04 Nov 2020 21:33

Tgt Ion: 98 Resp: 633375

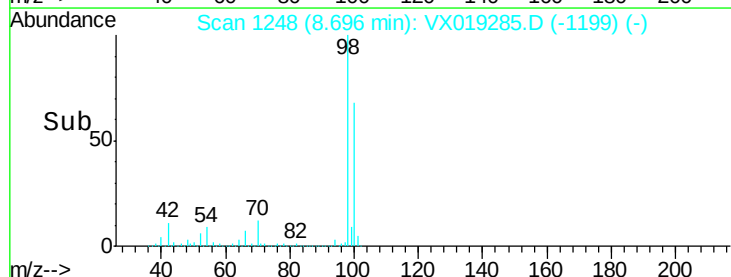
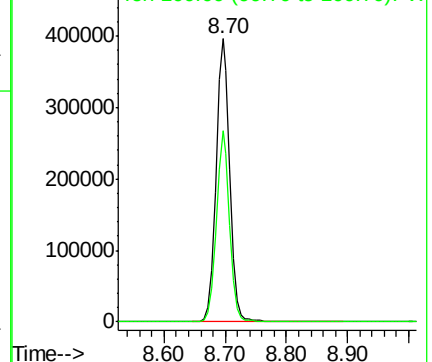
Ion Ratio Lower Upper

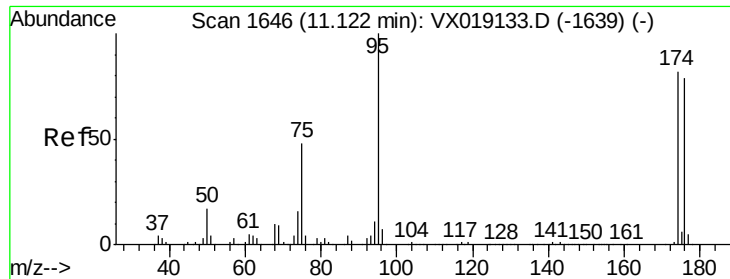
98 100

100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

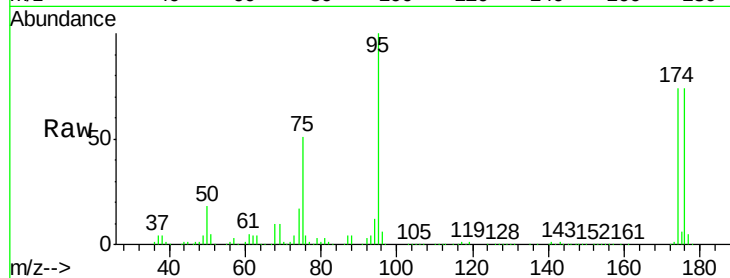




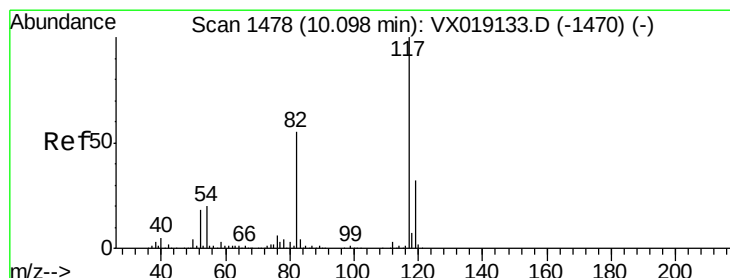
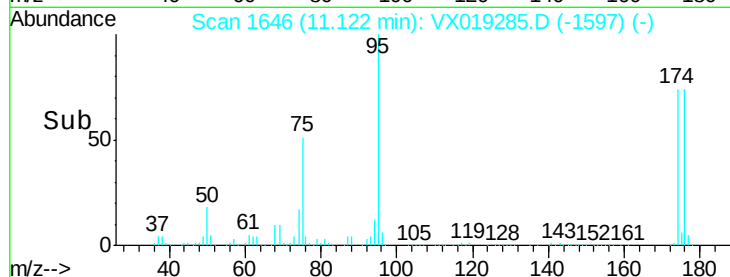
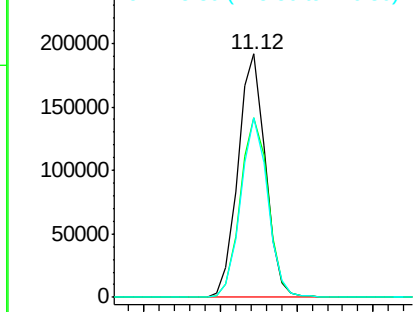
#62
4-Bromofluorobenzene
Concen: 52.388 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019285.D
Acq: 04 Nov 2020 21:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 238548
Ion Ratio Lower Upper
95 100
174 75.5 0.0 156.0
176 73.1 0.0 149.8

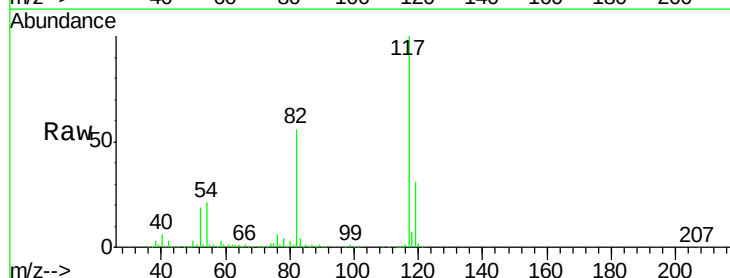


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

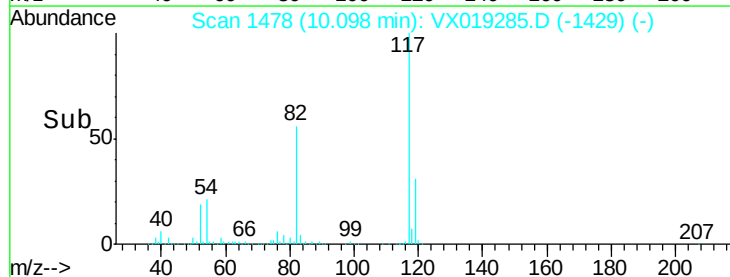
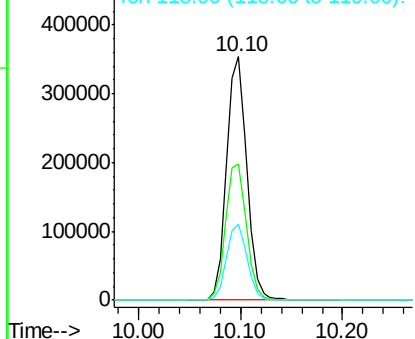


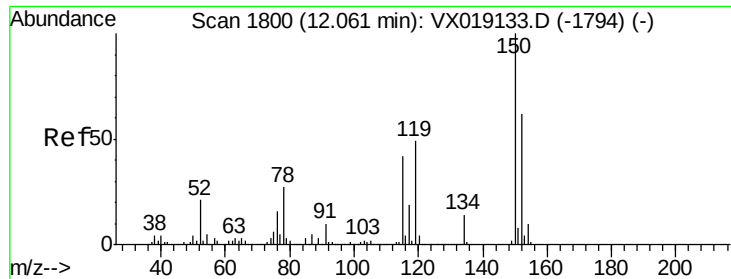
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019285.D
Acq: 04 Nov 2020 21:33

Tgt Ion: 117 Resp: 484816
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 31.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
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: VX019285.D

Acq: 04 Nov 2020 21:33

Instrument :

MSVOA_X

ClientSampleId :

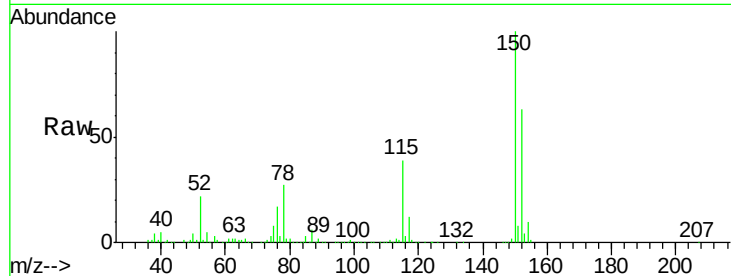
Tot Ion:152 Resp: 240076

Ion Ratio Lower Upper

152 100

115 61.7 41.9 125.7

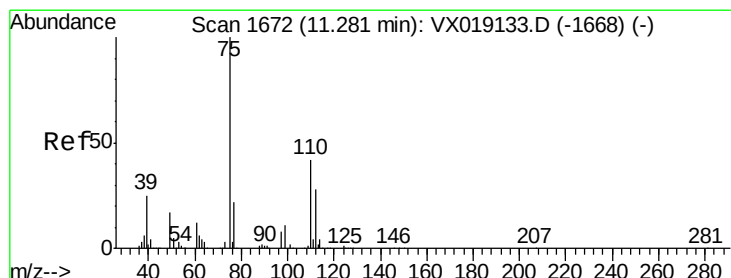
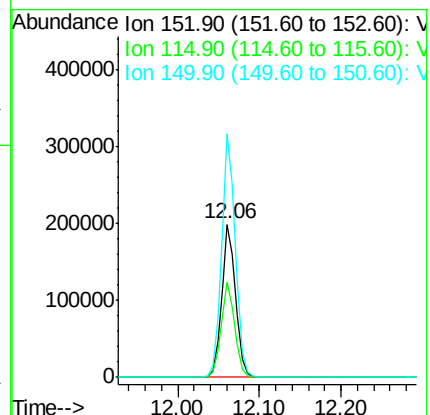
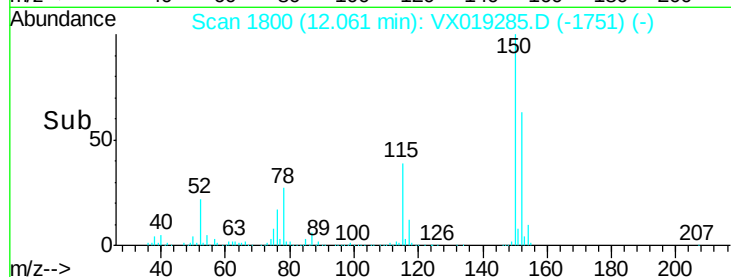
150 159.2 0.0 347.8



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: 24.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019285.D

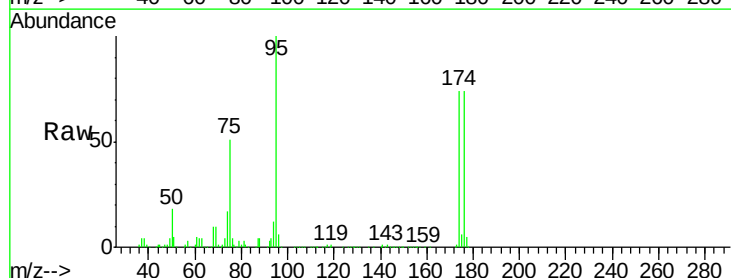
Acq: 04 Nov 2020 21:33

Tgt Ion: 75 Resp: 123461

Ion Ratio Lower Upper

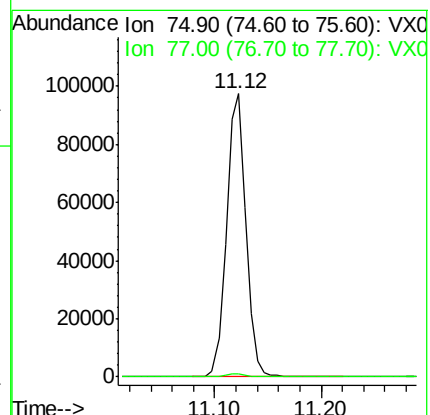
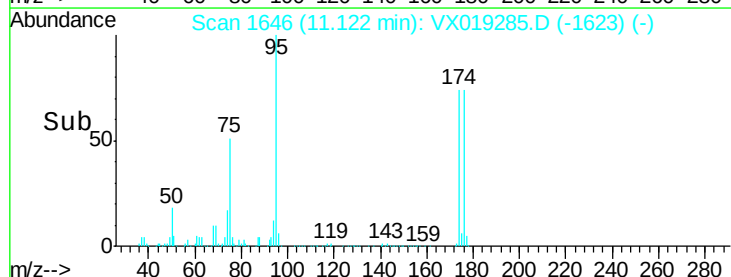
75 100

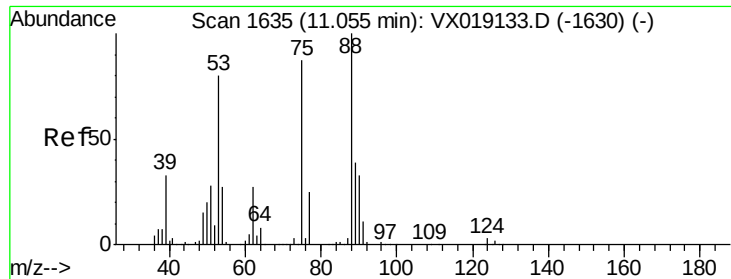
77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

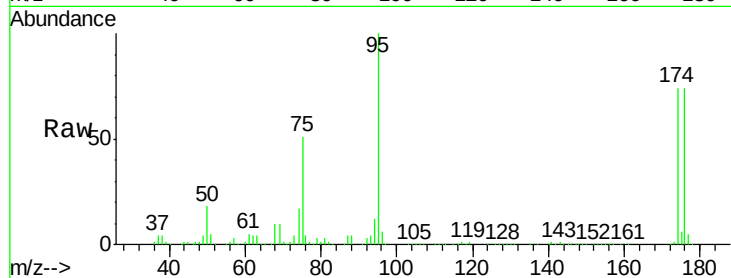




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.577 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019285.D
 Acq: 04 Nov 2020 21:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 123461
 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

