

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019286.D
 Acq On : 04 Nov 2020 21:56
 Operator : JC/MD
 Sample : L4616-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-CHY02

Quant Time: Nov 05 02:27:57 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	276023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	488055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196307	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	5.46	113	154220	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	8.70	98	608305	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.12	95	233823	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

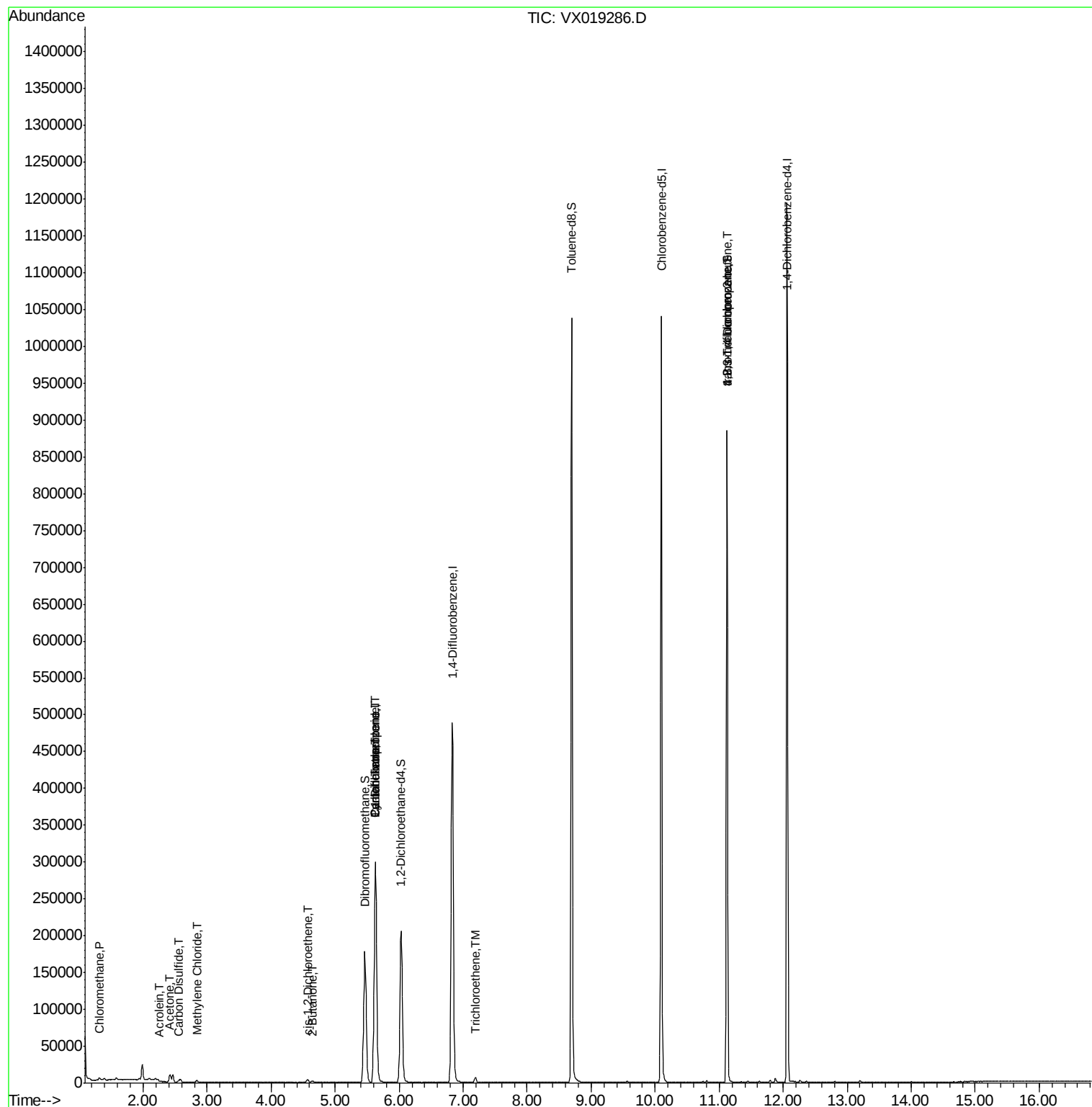
					Qvalue	
3) Chloromethane	1.31	50	1341	0.522	ug/l	98
13) Acrolein	2.26	56	150	6.114	ug/l #	16
16) Acetone	2.42	43	11416	9.296	ug/l	94
17) Carbon Disulfide	2.55	76	2317	1.059	ug/l	98
20) Methylene Chloride	2.83	84	1147	0.372	ug/l #	91
25) 2-Butanone	4.65	43	3954	2.043	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	2295	0.667	ug/l	97
31) Cyclohexane	5.63	56	6224	1.383	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23147	5.136	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28917	6.295	ug/l #	17
44) Trichloroethene	7.19	130	2440	0.667	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	118863	24.695	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	118863	65.020	ug/l #	12

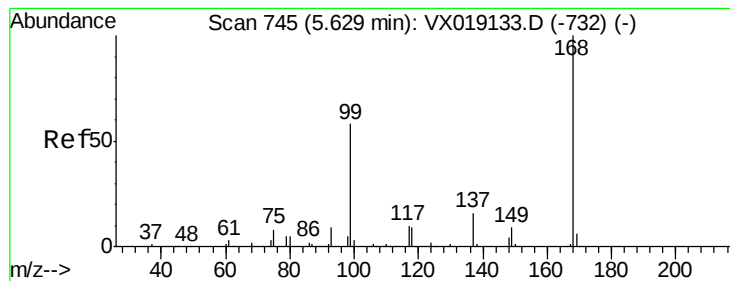
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

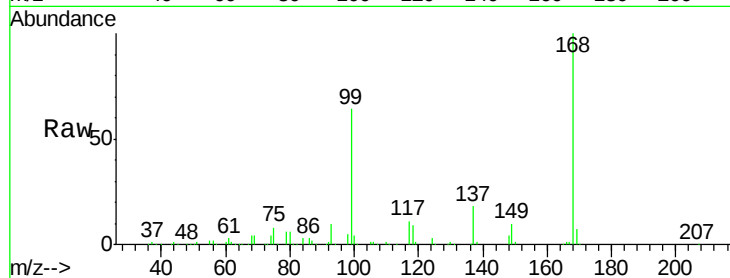
FA20-CHY02

Tot Ion:168 Resp: 276023

Ion Ratio Lower Upper

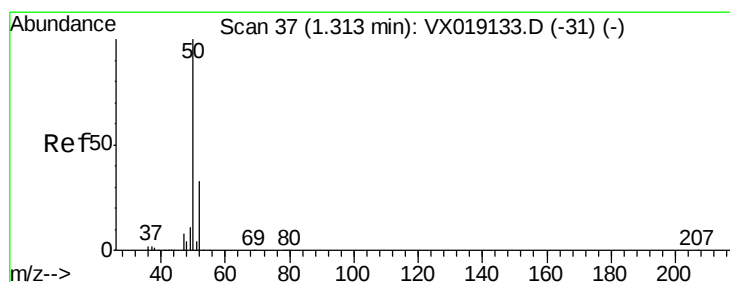
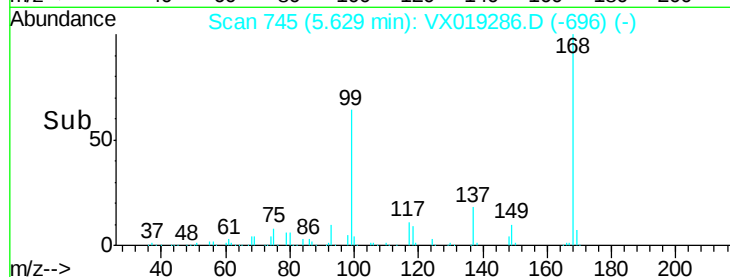
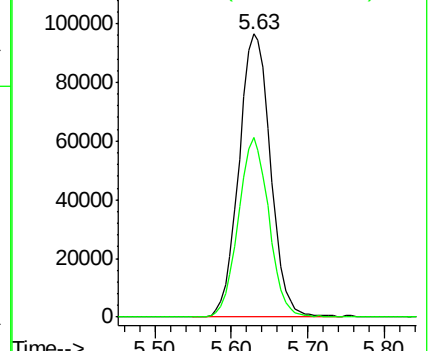
168 100

99 63.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.522 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019286.D

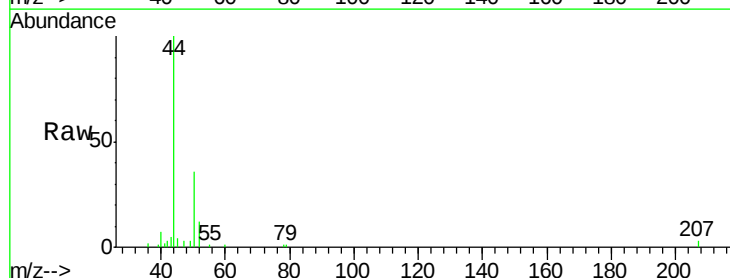
Acq: 04 Nov 2020 21:56

Tgt Ion: 50 Resp: 1341

Ion Ratio Lower Upper

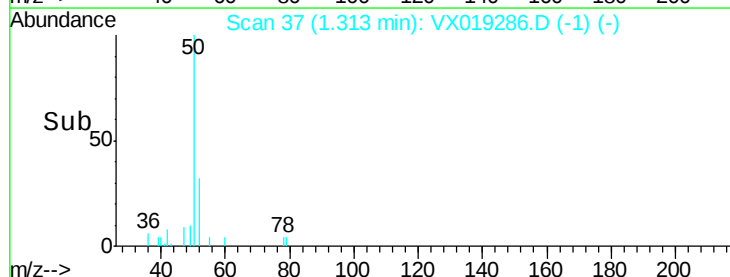
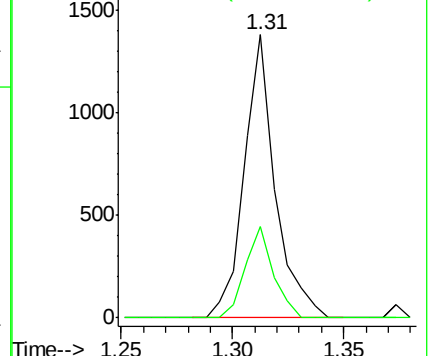
50 100

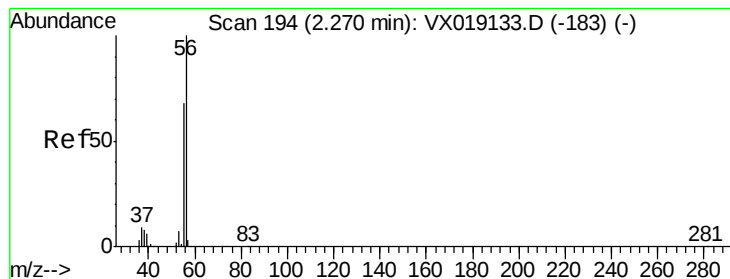
52 32.3 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 6.114 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampled :

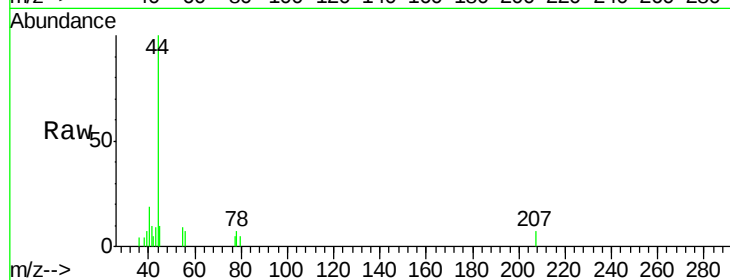
FA20-CHY02

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

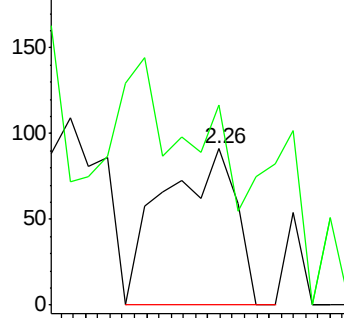
56 100

55 0.0 54.7 82.1#

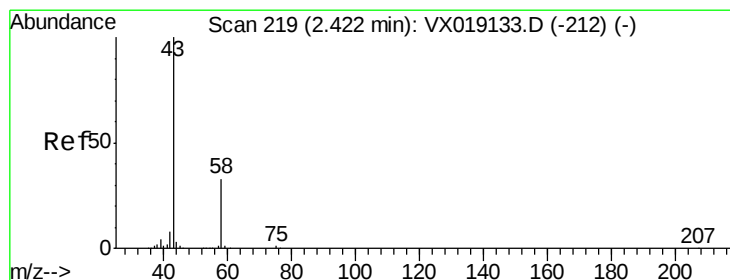
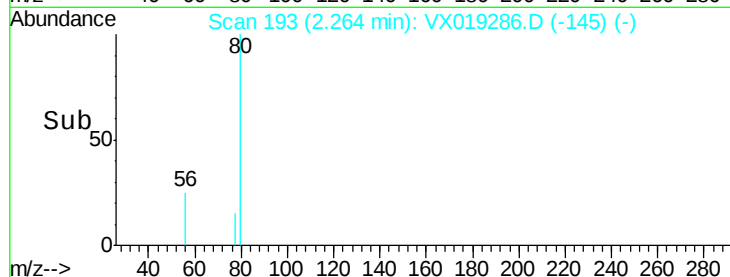


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 9.296 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019286.D

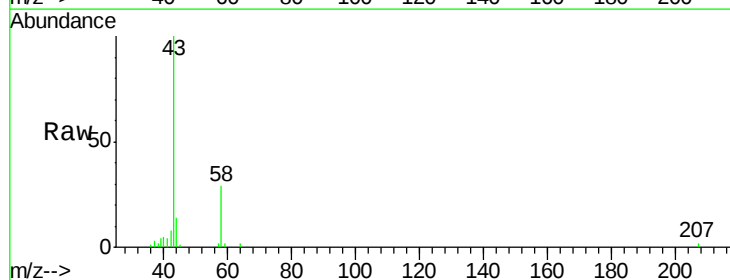
Acq: 04 Nov 2020 21:56

Tgt Ion: 43 Resp: 11416

Ion Ratio Lower Upper

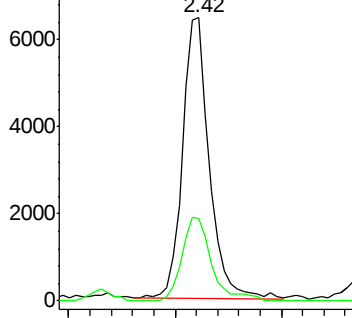
43 100

58 29.6 26.3 39.5

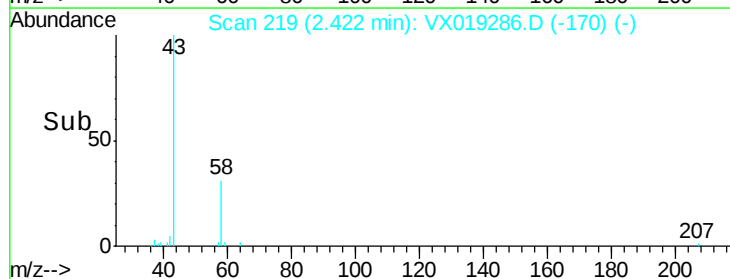


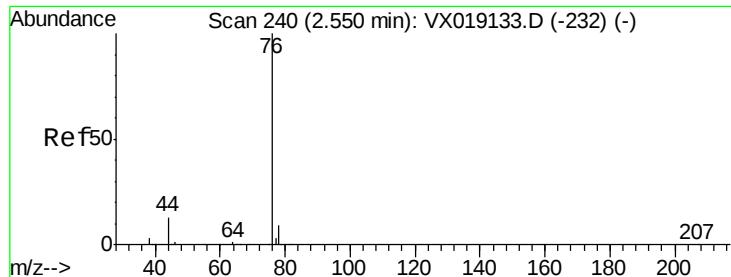
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 1.059 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampled :

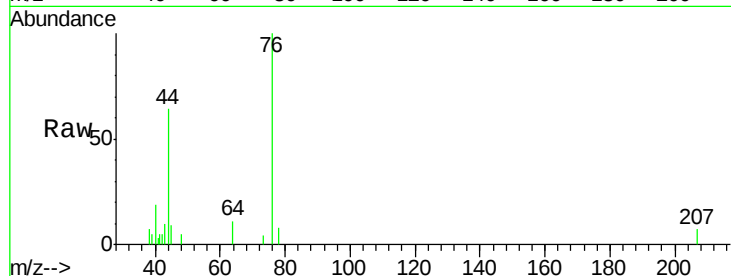
FA20-CHY02

Tot Ion: 76 Resp: 2317

Ion Ratio Lower Upper

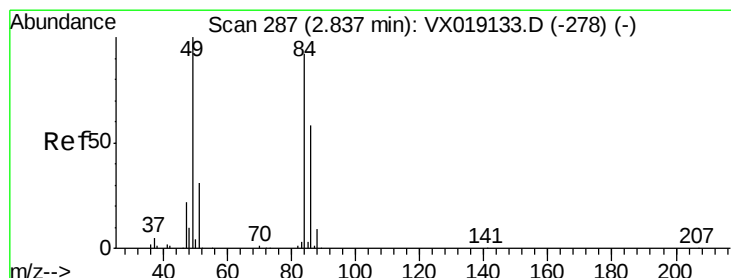
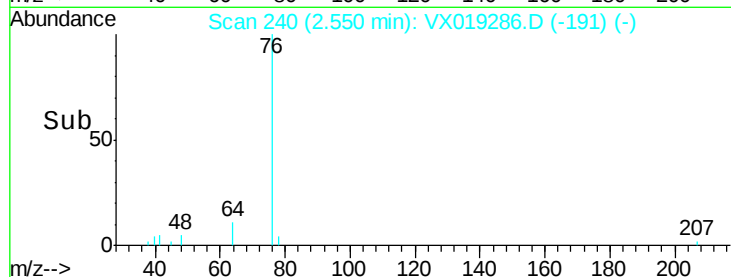
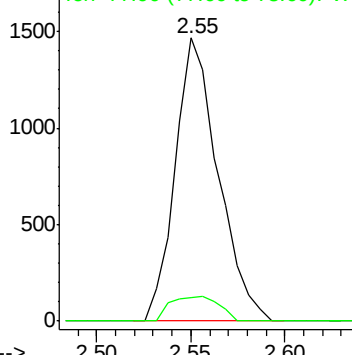
76 100

78 8.3 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: 0.372 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Tgt Ion: 84 Resp: 1147

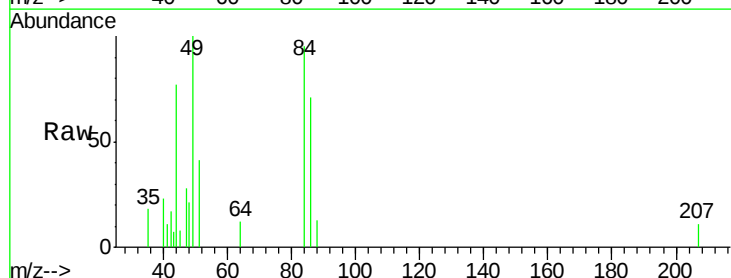
Ion Ratio Lower Upper

84 100

49 104.7 86.8 130.2

51 42.9 27.3 40.9#

86 74.1 50.6 76.0

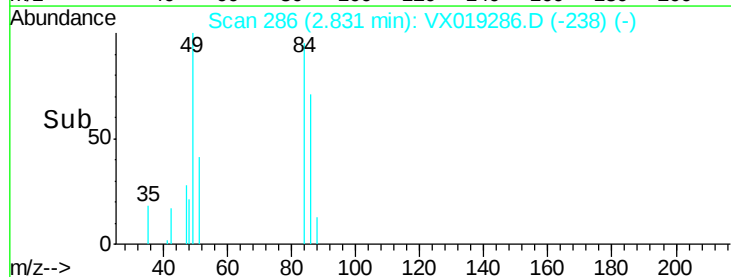
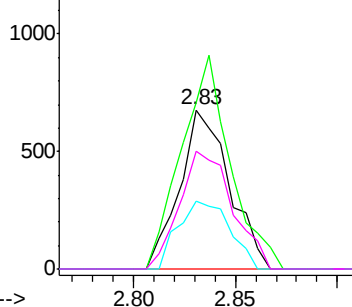


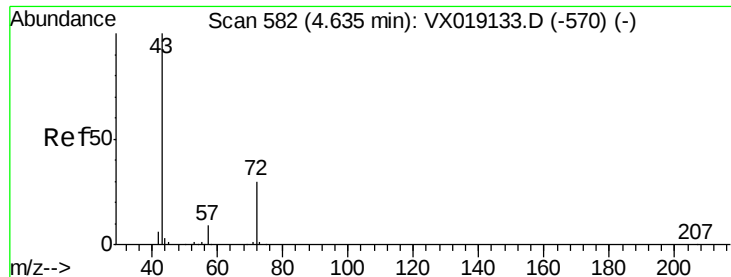
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

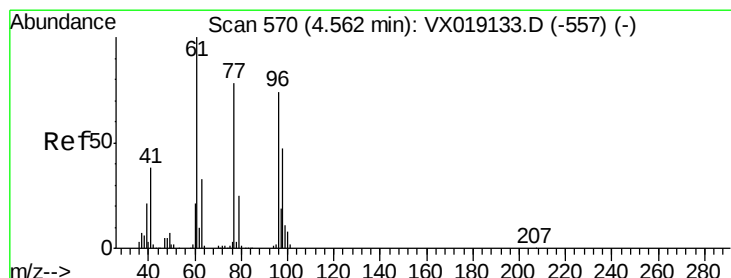
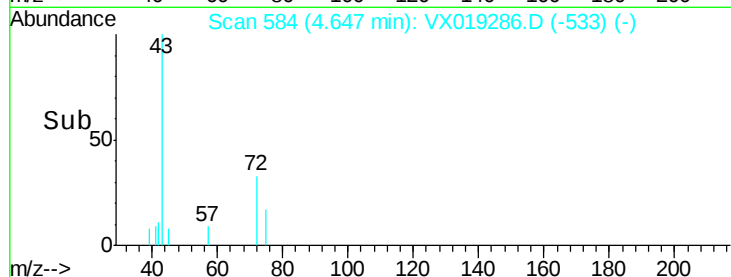
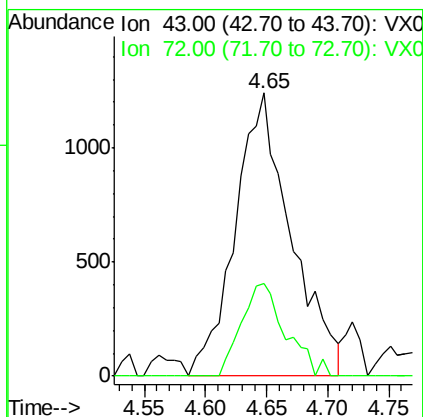
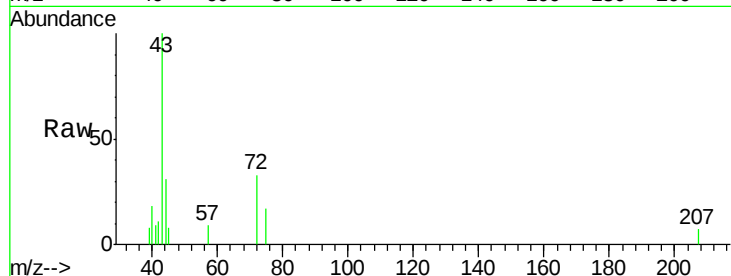




#25
2-Butanone
Concen: 2.043 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019286.D
Acq: 04 Nov 2020 21:56

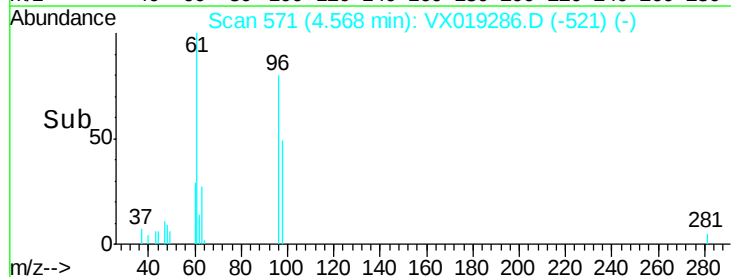
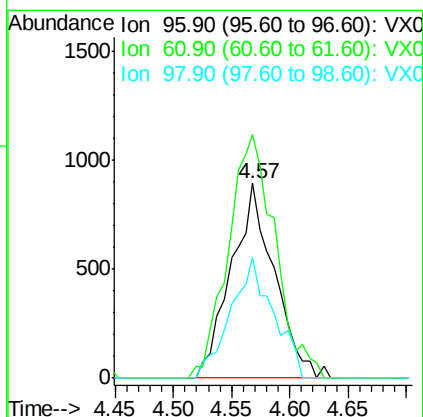
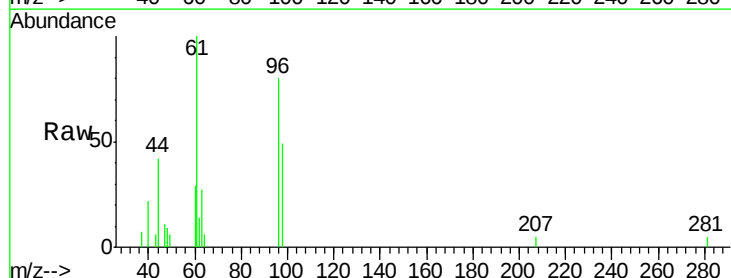
Instrument :
MSVOA_X
ClientSampled :
FA20-CHY02

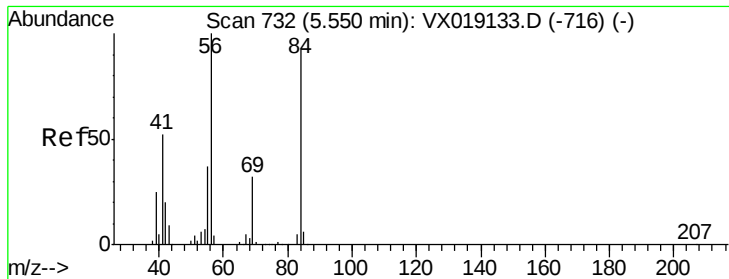
Tot Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
72 32.7 24.6 36.8



#27
cis-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019286.D
Acq: 04 Nov 2020 21:56

Tgt Ion: 96 Resp: 2295
Ion Ratio Lower Upper
96 100
61 136.5 0.0 278.8
98 60.8 0.0 130.2

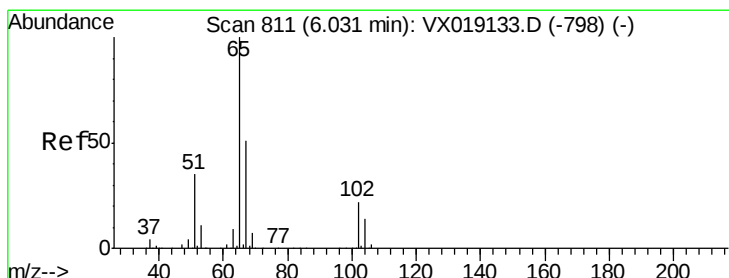
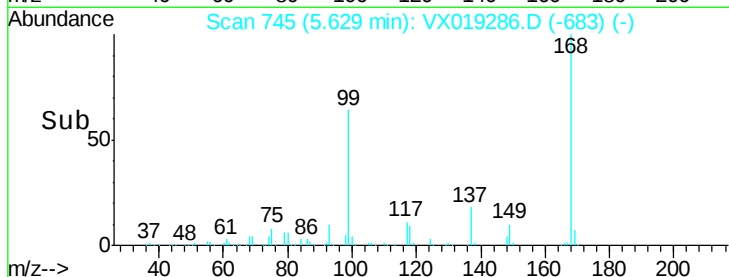
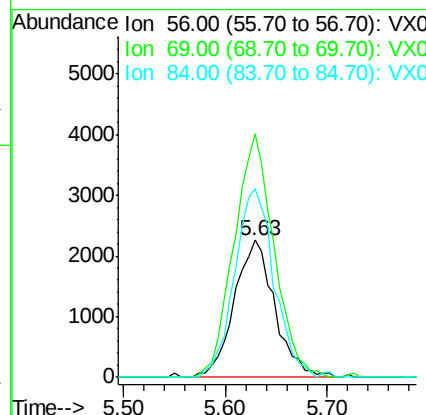
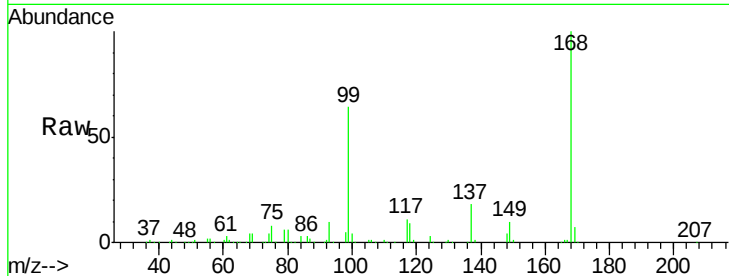




#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019286.D
Acq: 04 Nov 2020 21:56

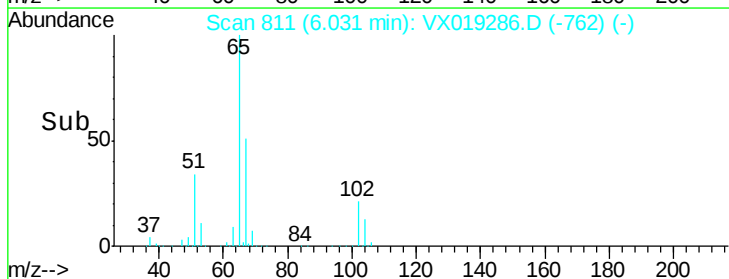
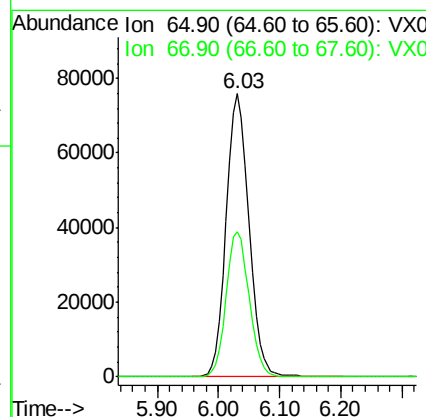
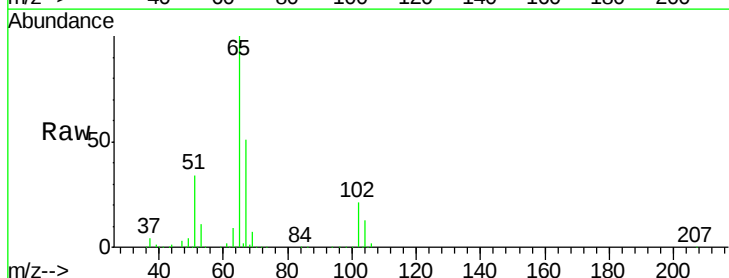
Instrument :
MSVOA_X
ClientSampled :
FA20-CHY02

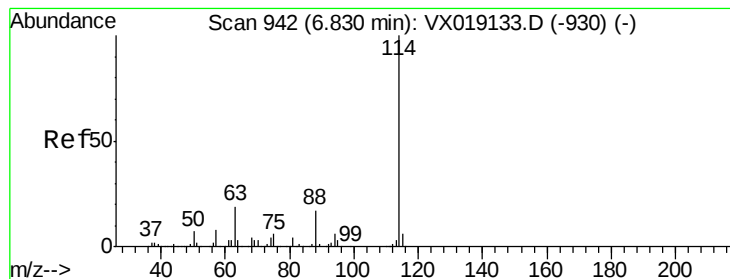
Tot Ion: 56 Resp: 6224
Ion Ratio Lower Upper
56 100
69 177.8 25.9 38.9#
84 137.9 73.4 110.2#



#33
1,2-Dichloroethane-d4
Concen: 55.148 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019286.D
Acq: 04 Nov 2020 21:56

Tgt Ion: 65 Resp: 196307
Ion Ratio Lower Upper
65 100
67 51.5 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: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

FA20-CHY02

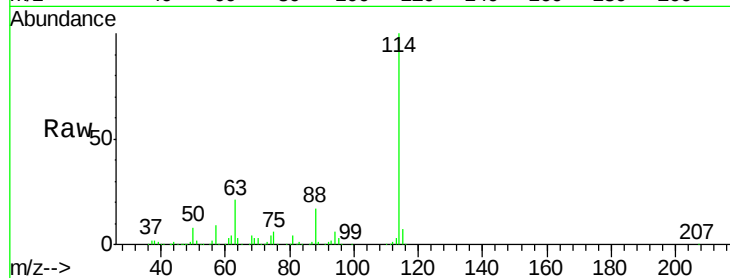
Tot Ion:114 Resp: 488055

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.8

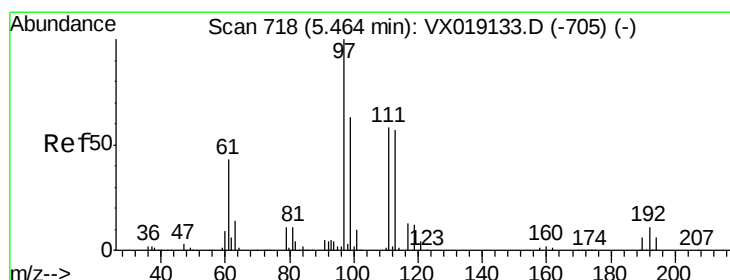
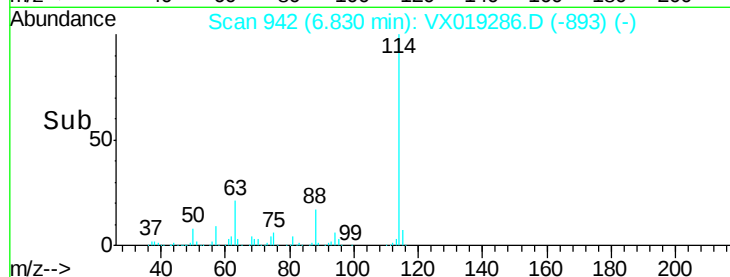
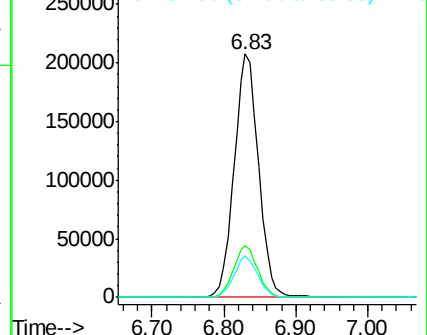
88 17.0 0.0 34.2



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: 50.306 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

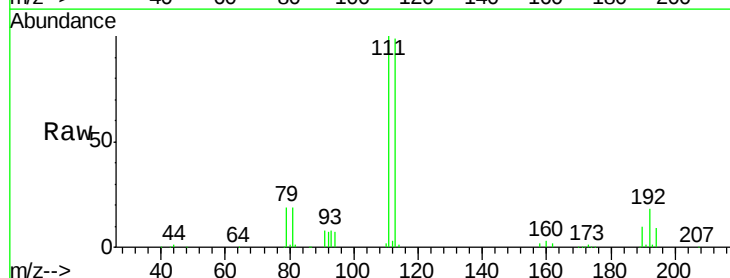
Tgt Ion:113 Resp: 154220

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

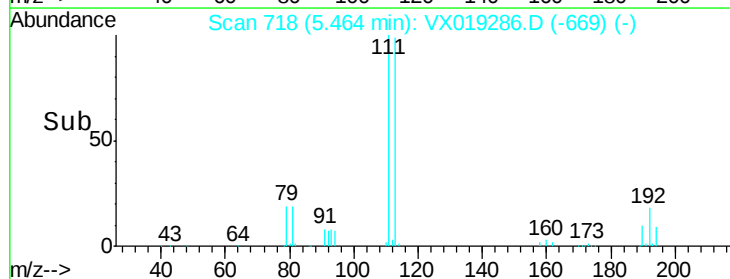
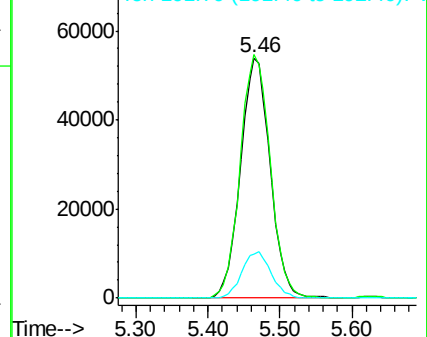
192 19.1 16.2 24.2

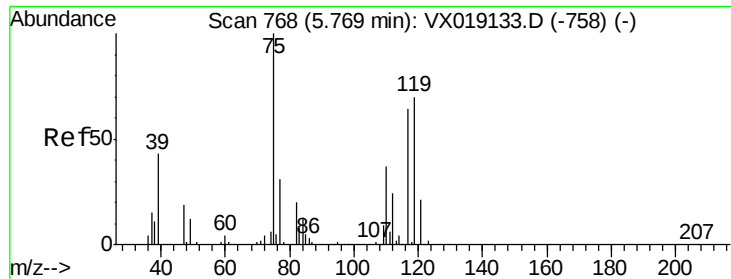


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

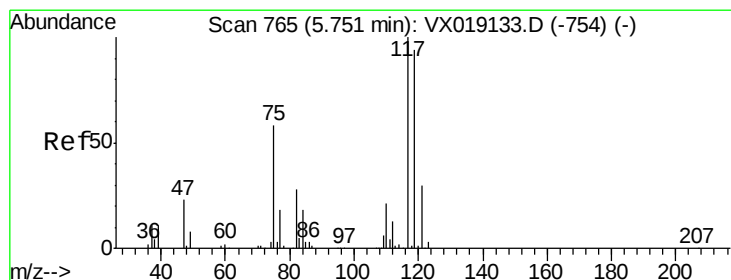
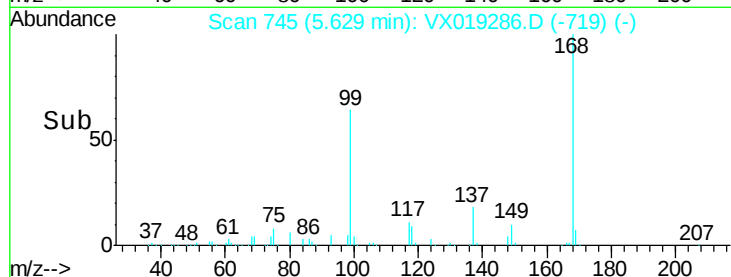
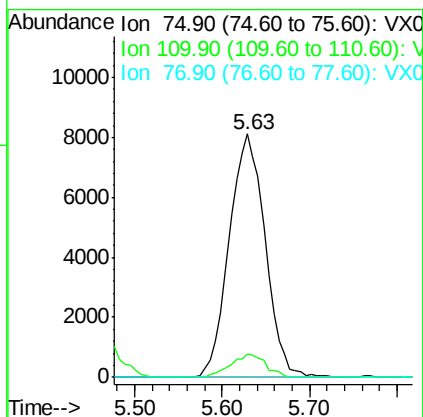
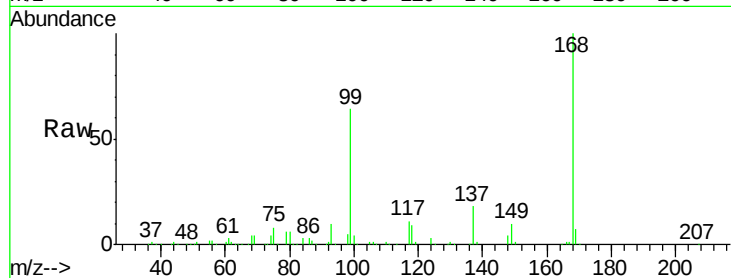




#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019286.D
 Acq: 04 Nov 2020 21:56

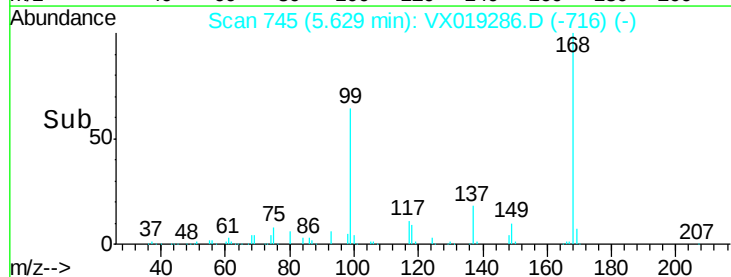
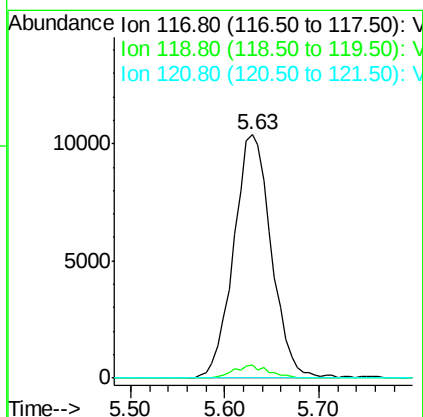
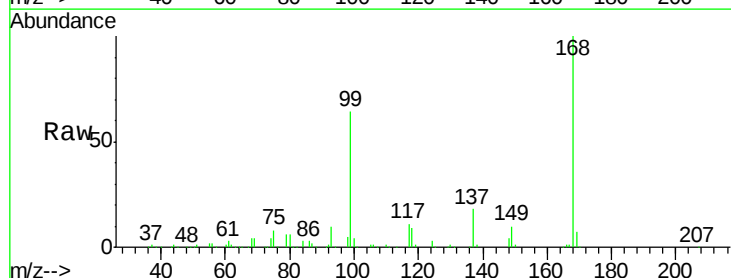
Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-CHY02

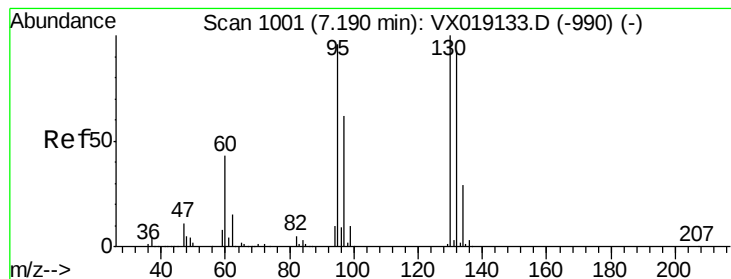
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.295 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019286.D
 Acq: 04 Nov 2020 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.0	112.6#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 0.667 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampled :

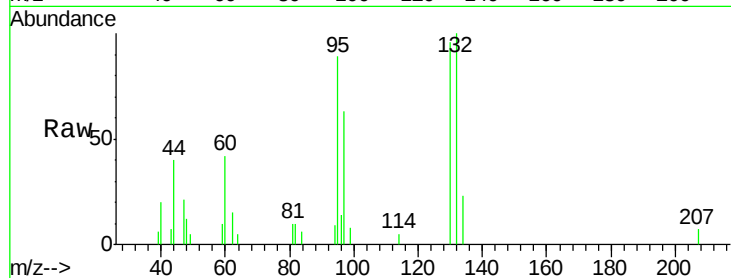
FA20-CHY02

Tot Ion:130 Resp: 2440

Ion Ratio Lower Upper

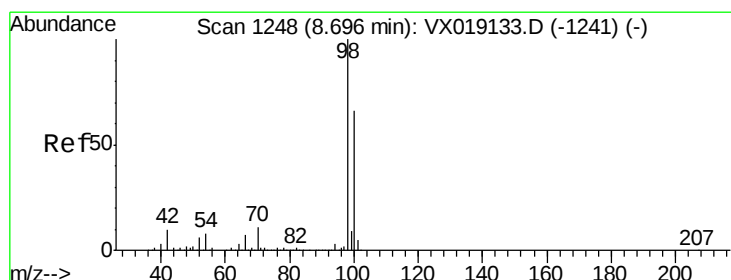
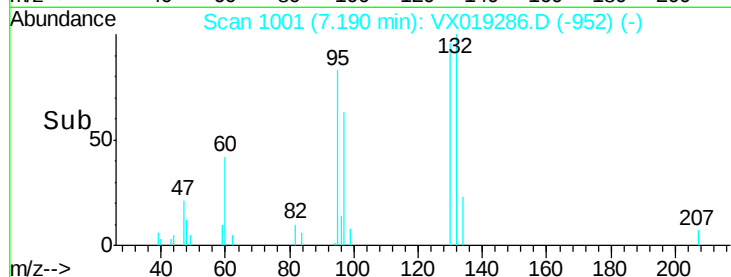
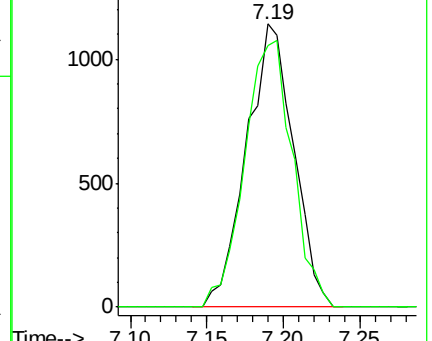
130 100

95 92.3 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: 52.638 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019286.D

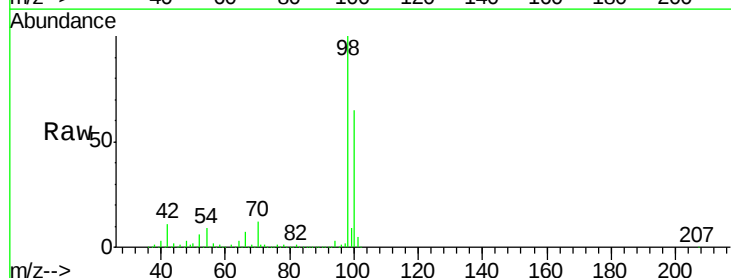
Acq: 04 Nov 2020 21:56

Tgt Ion: 98 Resp: 608305

Ion Ratio Lower Upper

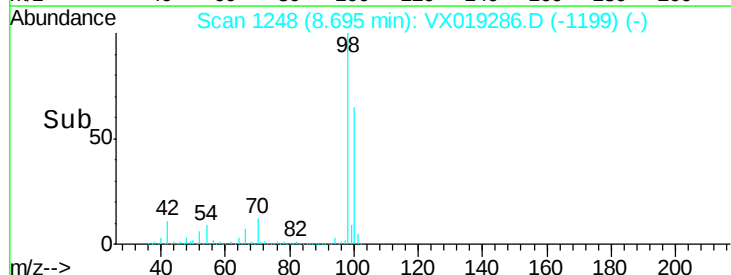
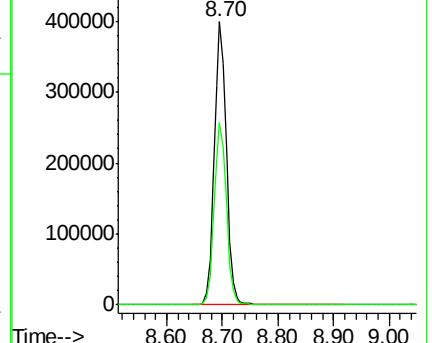
98 100

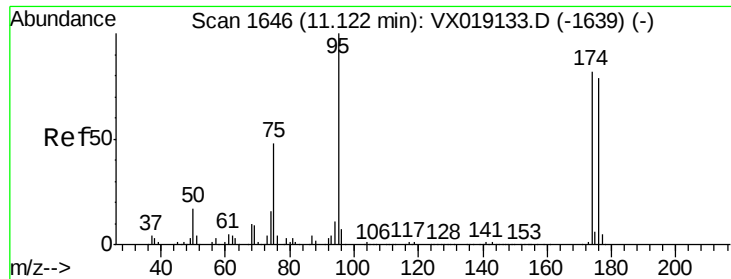
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

FA20-CHY02

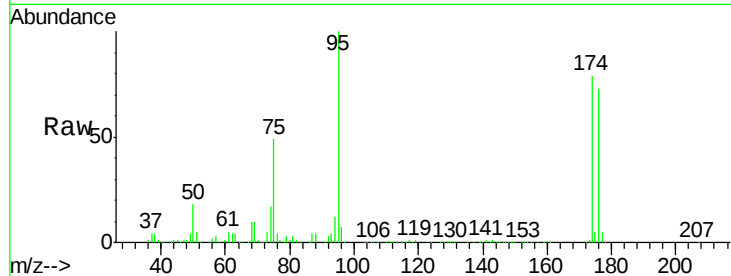
Tot Ion: 95 Resp: 233823

Ion Ratio Lower Upper

95 100

174 75.9 0.0 156.0

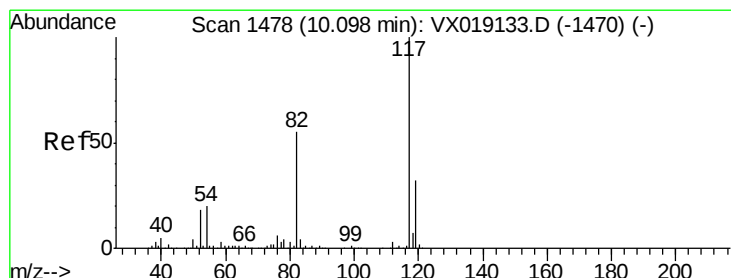
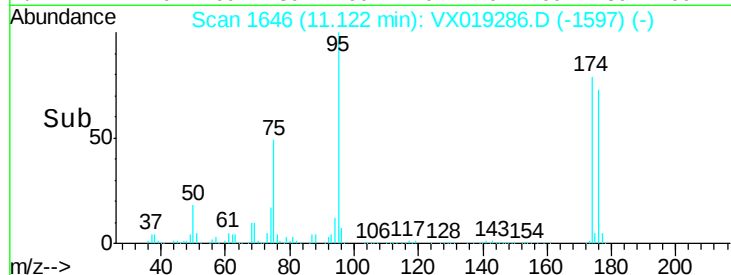
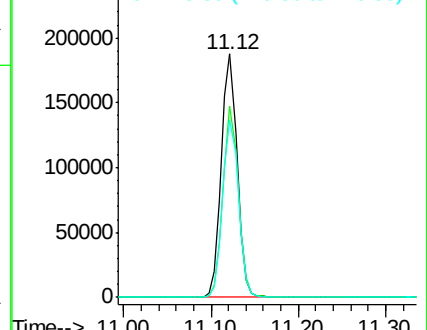
176 73.2 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

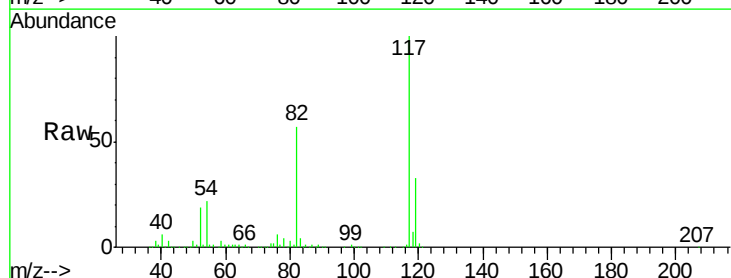
Tgt Ion: 117 Resp: 466324

Ion Ratio Lower Upper

117 100

82 57.1 43.6 65.4

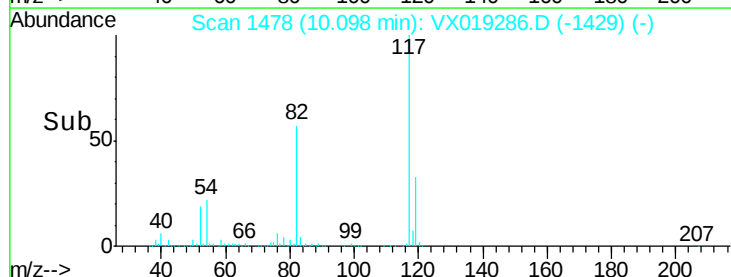
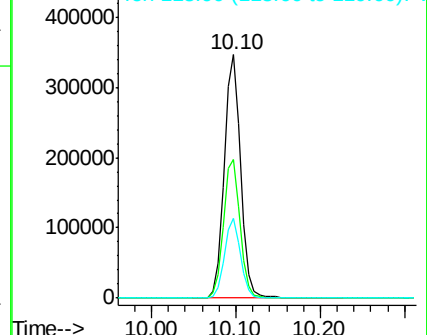
119 32.8 25.5 38.3

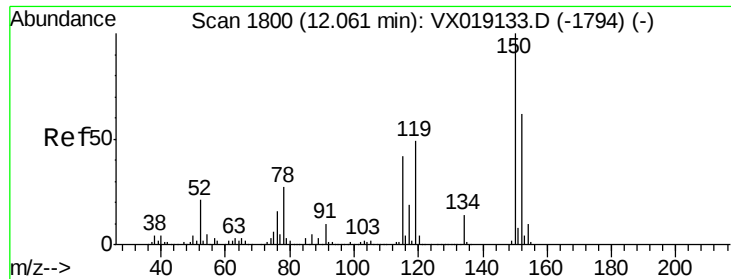


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

FA20-CHY02

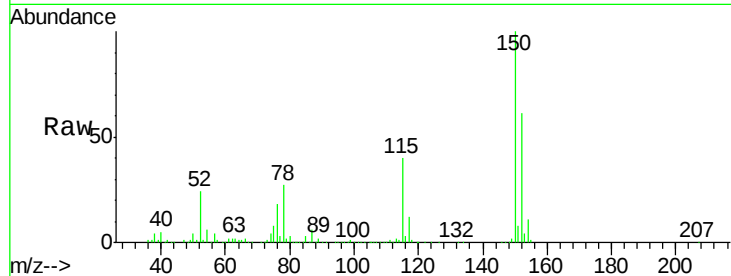
Tot Ion:152 Resp: 233115

Ion Ratio Lower Upper

152 100

115 62.1 41.9 125.7

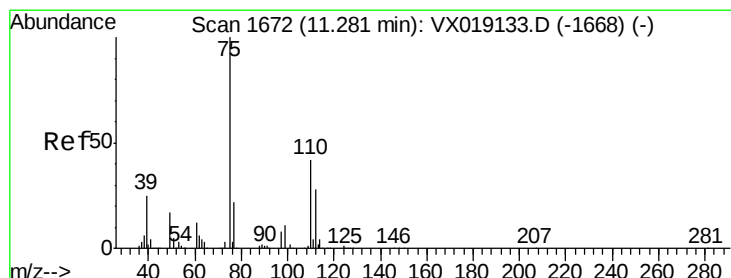
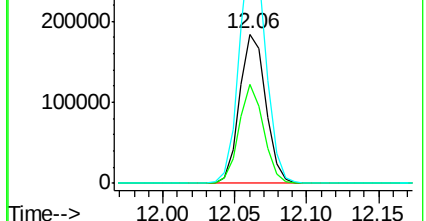
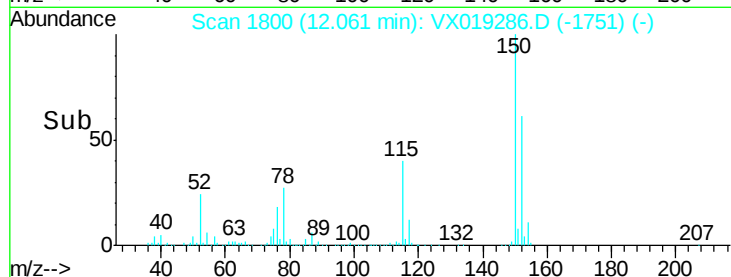
150 158.6 0.0 347.8



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: 24.695 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019286.D

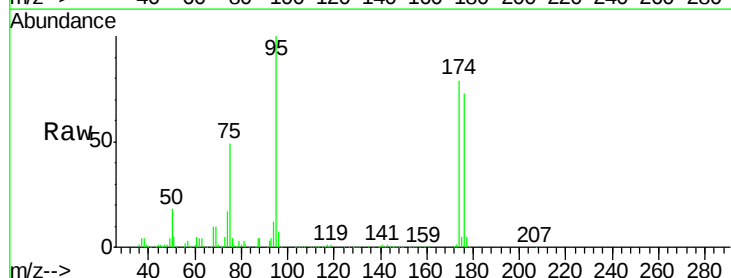
Acq: 04 Nov 2020 21:56

Tgt Ion: 75 Resp: 118863

Ion Ratio Lower Upper

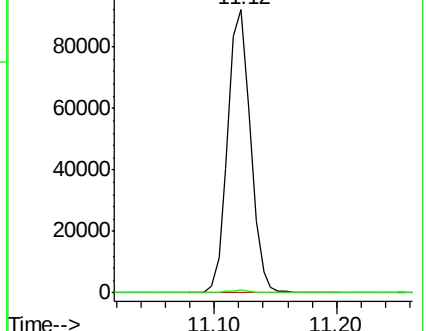
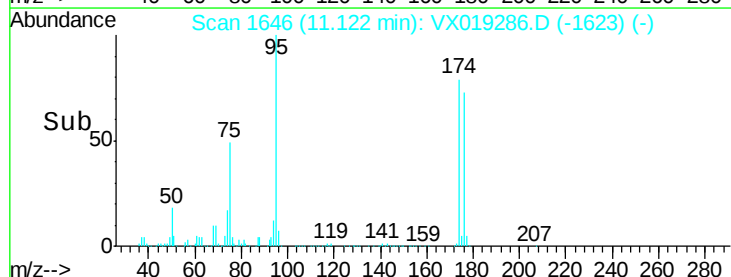
75 100

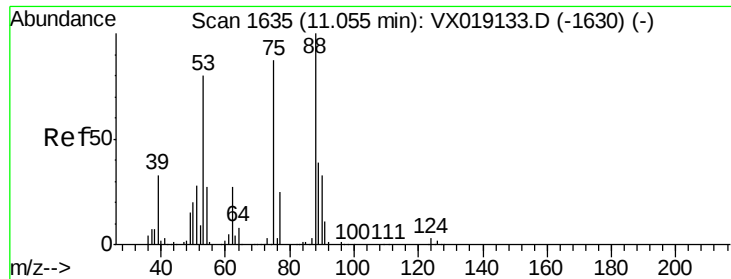
77 1.2 20.3 60.9#



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: 65.020 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019286.D

Acq: 04 Nov 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

FA20-CHY02

Tot Ion: 75 Resp: 118863

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

