

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019284.D
 Acq On : 04 Nov 2020 21:11
 Operator : JC/MD
 Sample : L4616-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:27:11 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	283417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	482656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237020	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	199902	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
35) Dibromofluoromethane	5.46	113	157390	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	8.70	98	630450	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	11.12	95	238326	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	

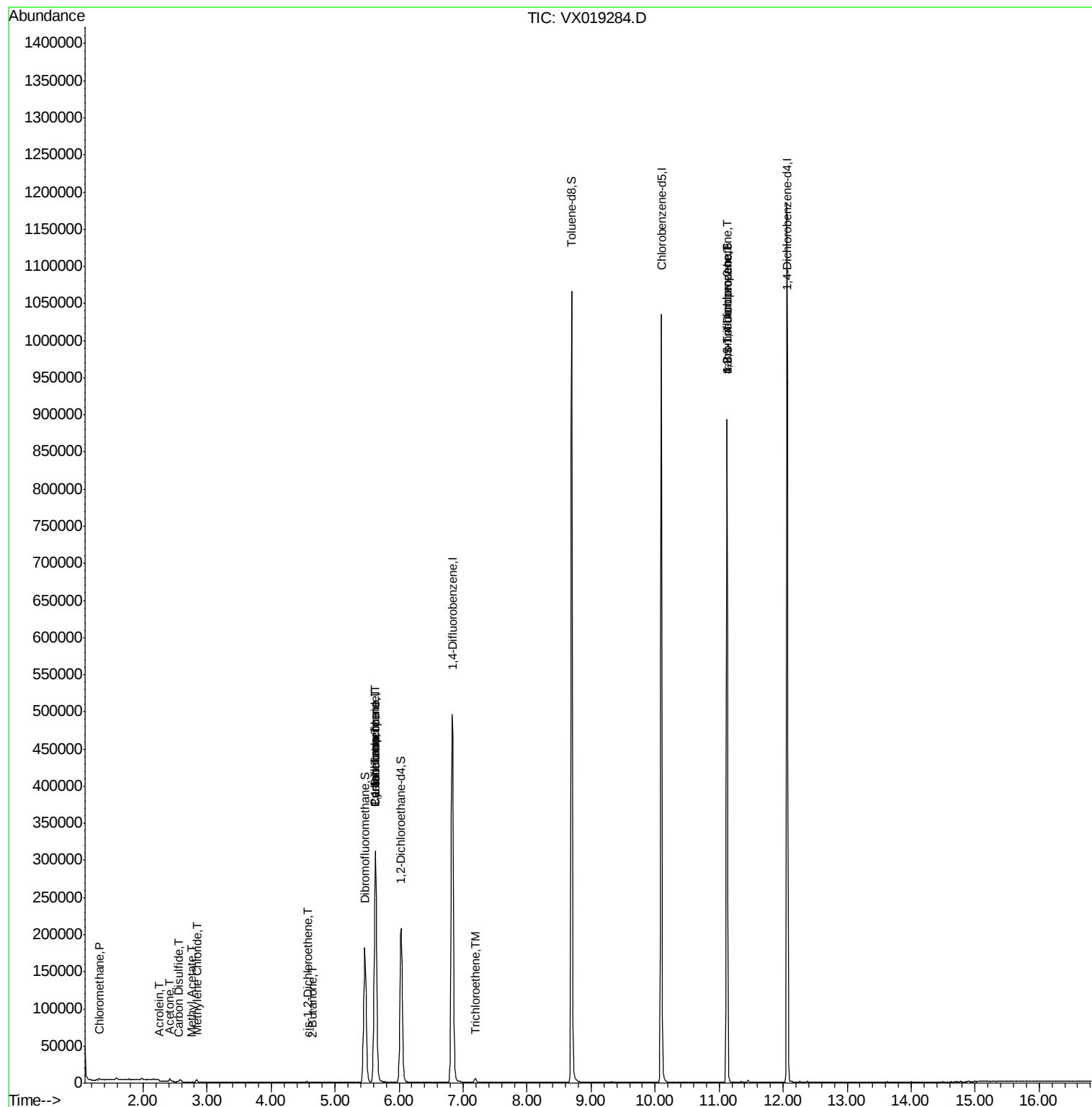
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	700	0.265	ug/l	93
13) Acrolein	2.26	56	116	5.999	ug/l #	34
16) Acetone	2.42	43	4290	3.402	ug/l	90
17) Carbon Disulfide	2.55	76	999	0.885	ug/l	96
18) Methyl Acetate	2.76	43	687	0.224	ug/l #	52
20) Methylene Chloride	2.84	84	1472	0.465	ug/l #	87
25) 2-Butanone	4.65	43	633	0.319	ug/l #	44
27) cis-1,2-Dichloroethene	4.57	96	824	0.233	ug/l	83
31) Cyclohexane	5.62	56	6078	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23229	4.996	ug/l #	50
38) Carbon Tetrachloride	5.63	117	30441	6.423	ug/l #	17
44) Trichloroethene	7.20	130	1998	0.529	ug/l	75
76) 1,2,3-Trichloropropane	11.12	75	121518	24.830	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	121518	65.378	ug/l #	12

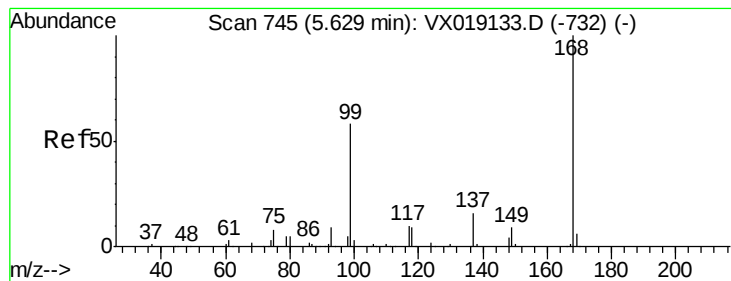
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019284.D

Acq: 04 Nov 2020 21:11

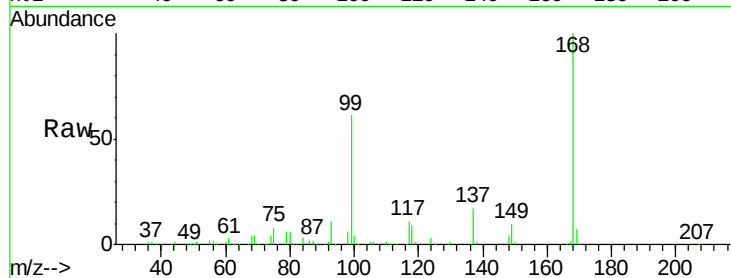
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 283417

Ion Ratio Lower Upper

168 100

99 61.0 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

100000

80000

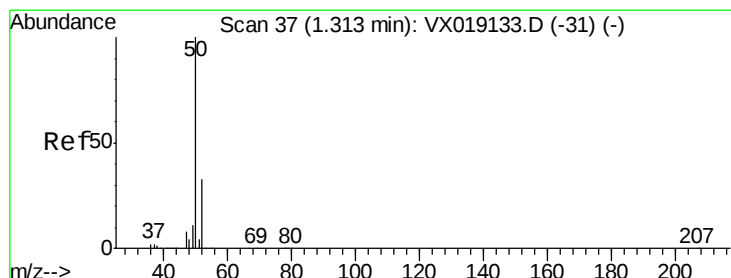
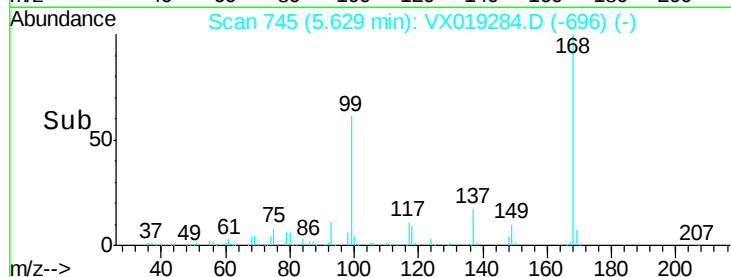
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.265 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019284.D

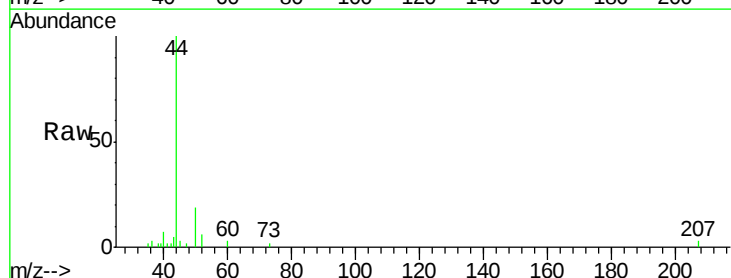
Acq: 04 Nov 2020 21:11

Tgt Ion: 50 Resp: 700

Ion Ratio Lower Upper

50 100

52 29.3 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

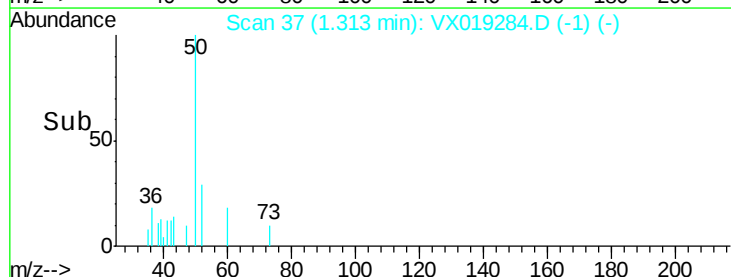
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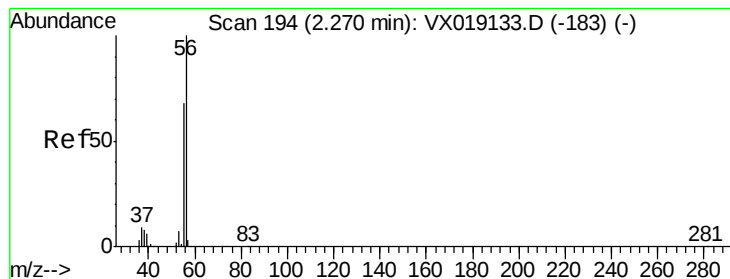
400

200

0

Time-->





#13

Acrolein

Concen: 5.999 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX019284.D

Acq: 04 Nov 2020 21:11

Instrument :

MSVOA_X

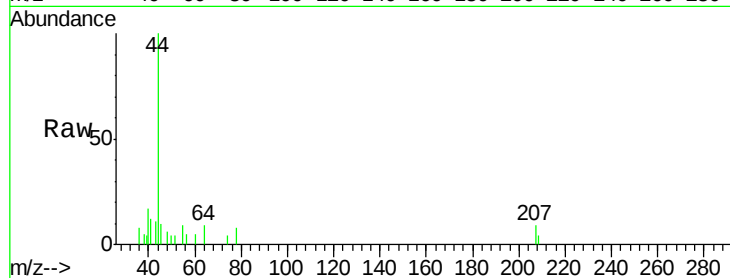
ClientSampleId :

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 121.6 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

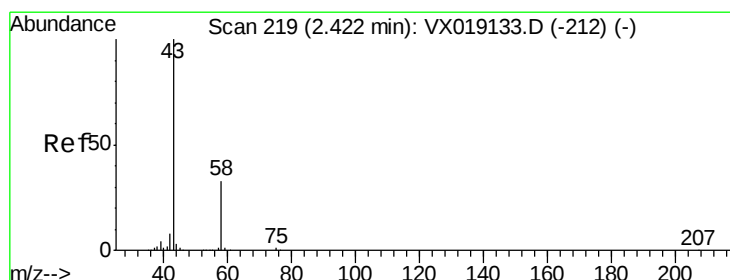
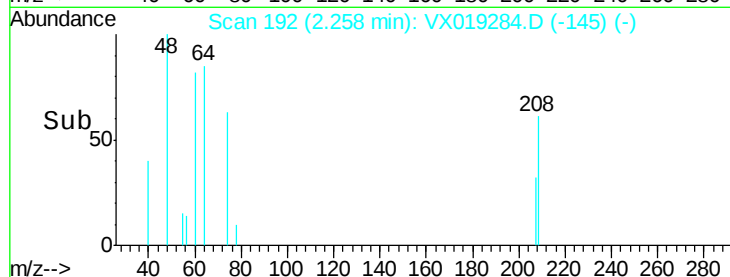
100

50

0

2.24 2.26 2.28 2.30

Time-->



#16

Acetone

Concen: 3.402 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019284.D

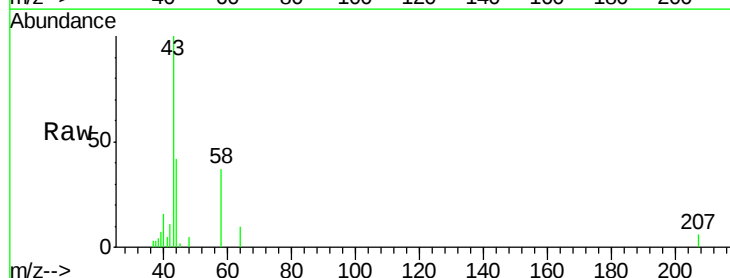
Acq: 04 Nov 2020 21:11

Tgt Ion: 43 Resp: 4290

Ion Ratio Lower Upper

43 100

58 38.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

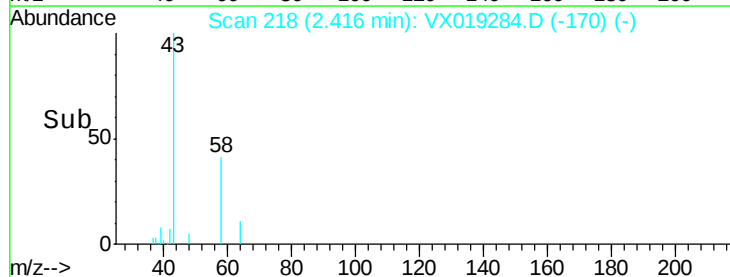
1000

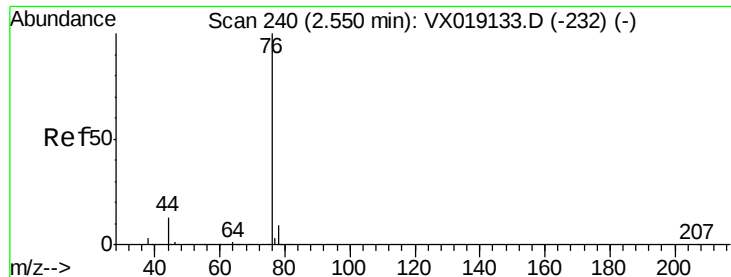
500

0

2.35 2.40 2.45 2.50

Time-->

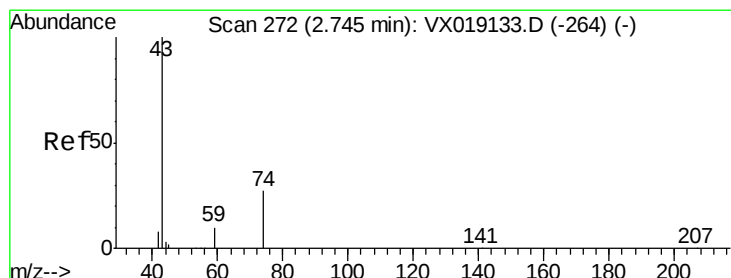
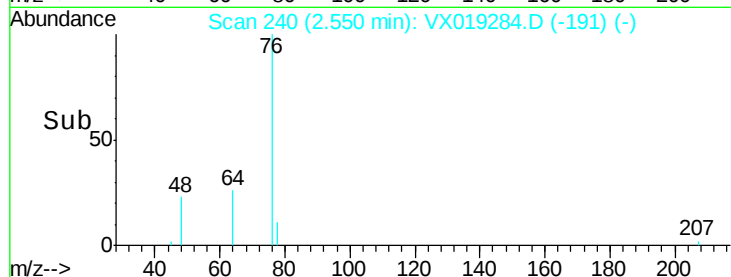
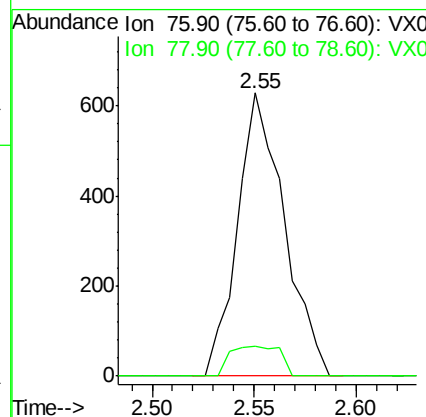
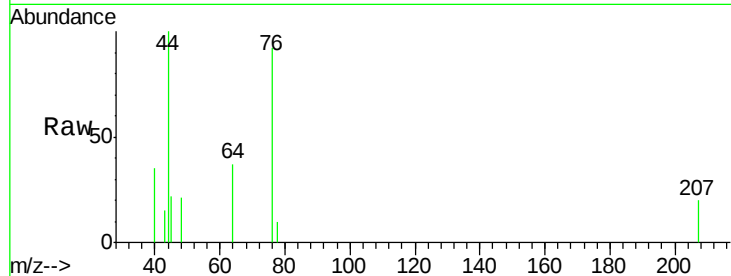




#17
Carbon Disulfide
Concen: 0.885 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

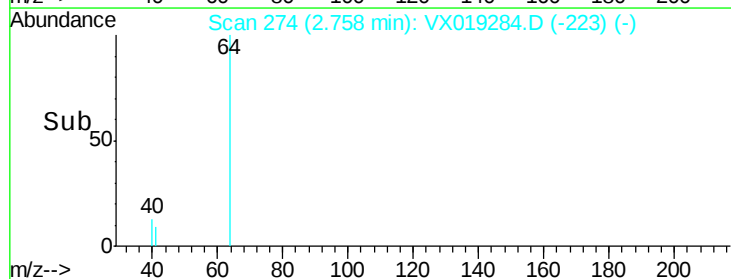
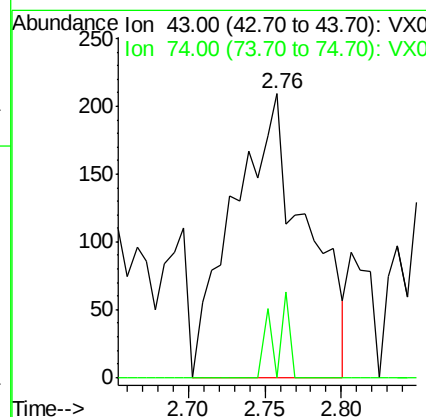
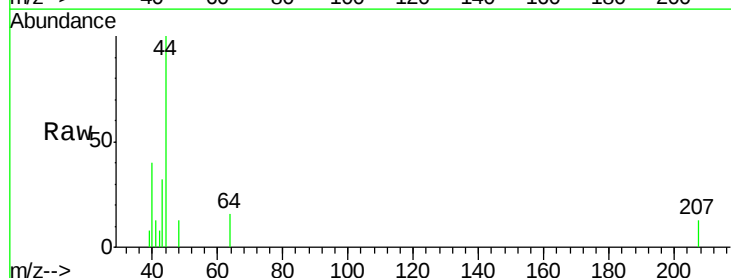
Instrument :
MSVOA_X
ClientSampled :

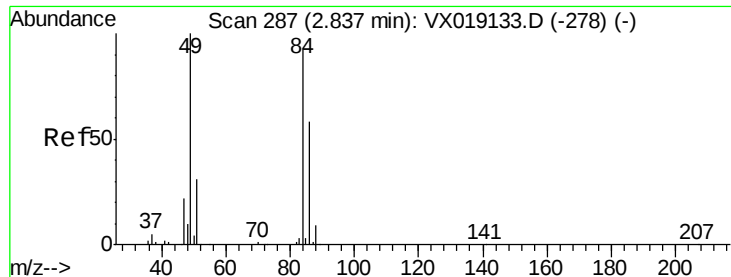
Tot Ion: 76 Resp: 999
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
74 2.8 22.6 33.8#

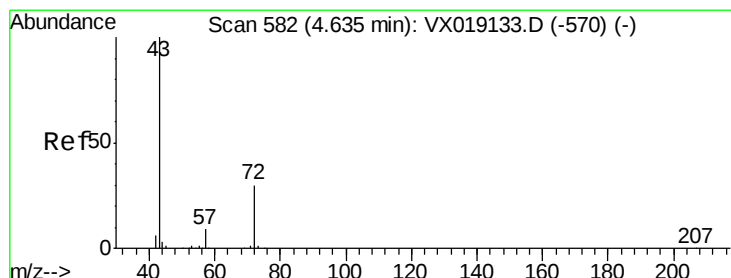
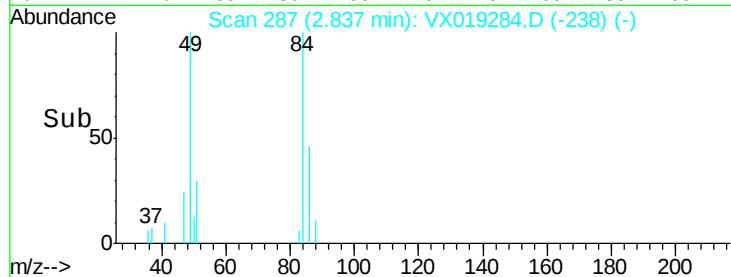
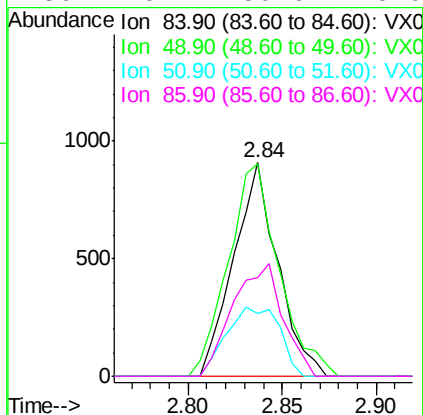
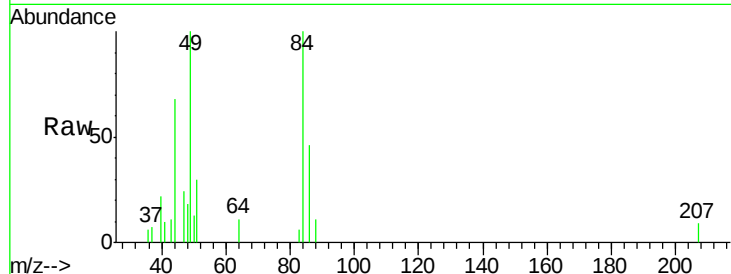




#20
Methvlene Chloride
Concen: 0.465 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

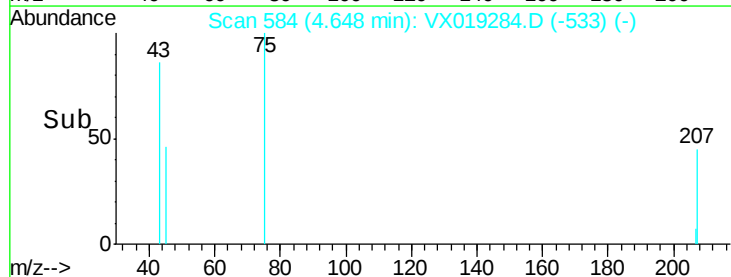
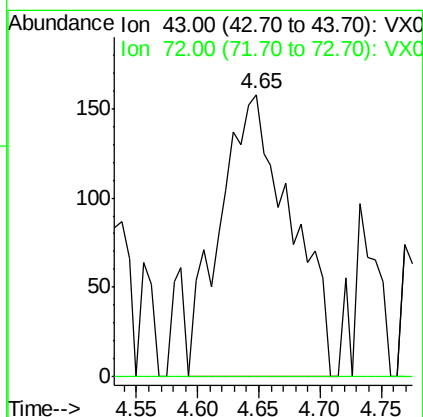
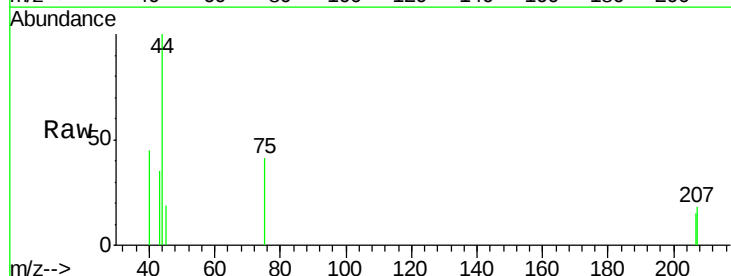
Instrument :
MSVOA_X
ClientSampled :

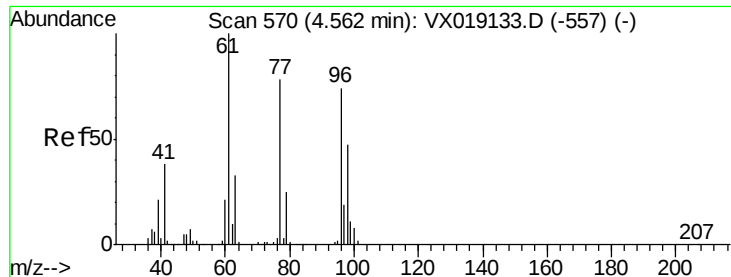
Tot Ion: 84 Resp: 1472
Ion Ratio Lower Upper
84 100
49 99.6 86.8 130.2
51 29.6 27.3 40.9
86 46.1 50.6 76.0#



#25
2-Butanone
Concen: 0.319 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
72 0.0 24.6 36.8#



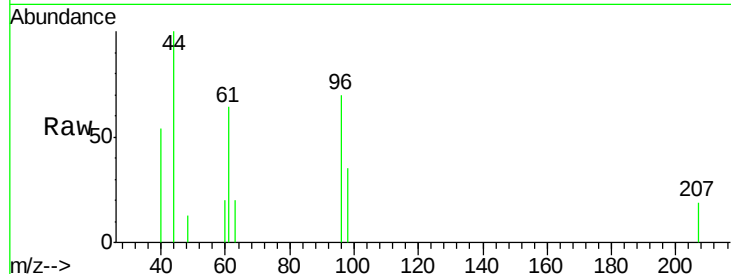


#27

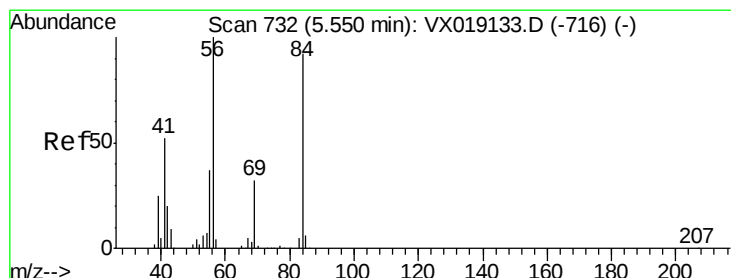
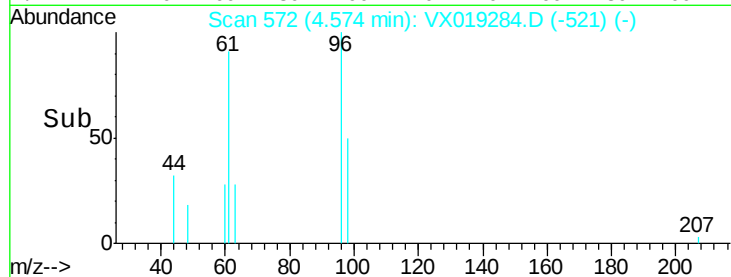
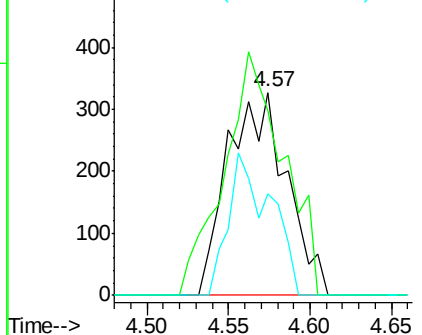
cis-1,2-Dichloroethene
 Concen: 0.233 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX019284.D
 Acq: 04 Nov 2020 21:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 824
 Ion Ratio Lower Upper
 96 100
 61 120.0 0.0 278.8
 98 49.8 0.0 130.2



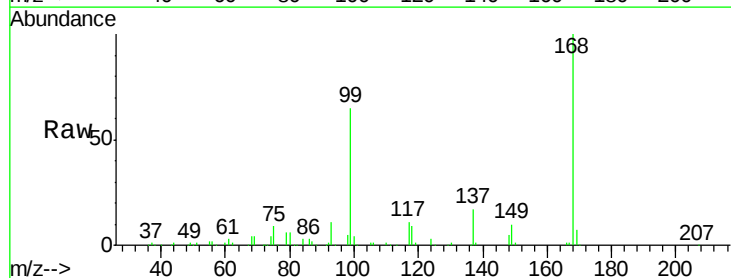
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



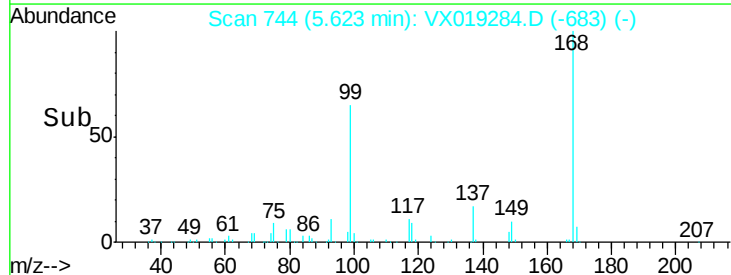
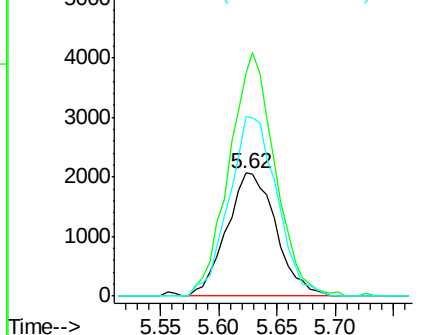
#31

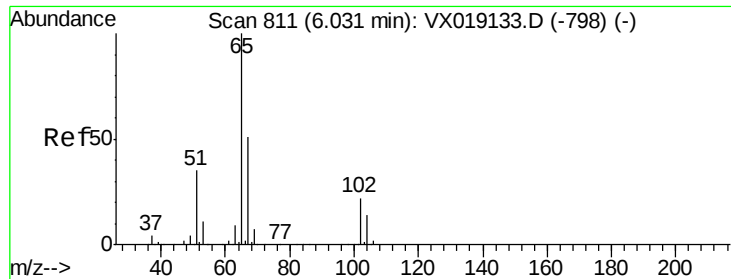
Cyclohexane
 Concen: 1.316 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX019284.D
 Acq: 04 Nov 2020 21:11

Tgt Ion: 56 Resp: 6078
 Ion Ratio Lower Upper
 56 100
 69 181.2 25.9 38.9#
 84 146.5 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: 54.693 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019284.D

Acq: 04 Nov 2020 21:11

Instrument :

MSVOA_X

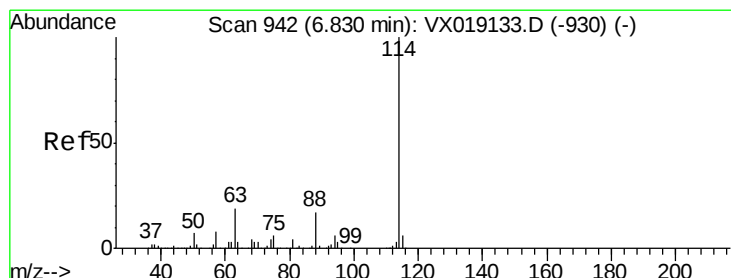
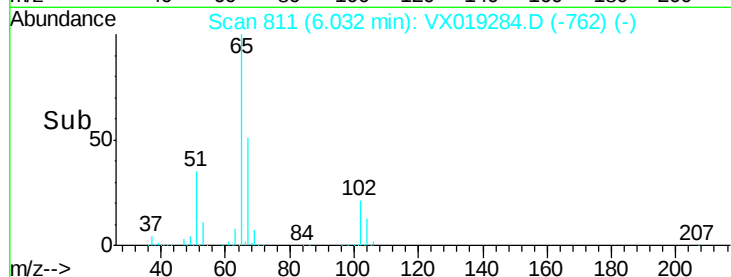
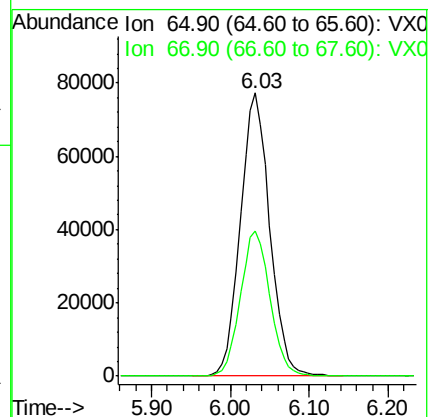
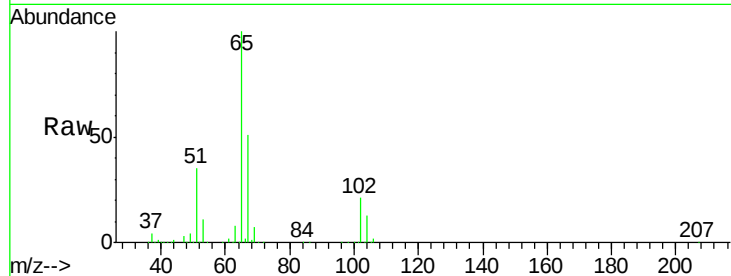
ClientSampleId :

Tot Ion: 65 Resp: 199902

Ion Ratio Lower Upper

65 100

67 51.8 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: VX019284.D

Acq: 04 Nov 2020 21:11

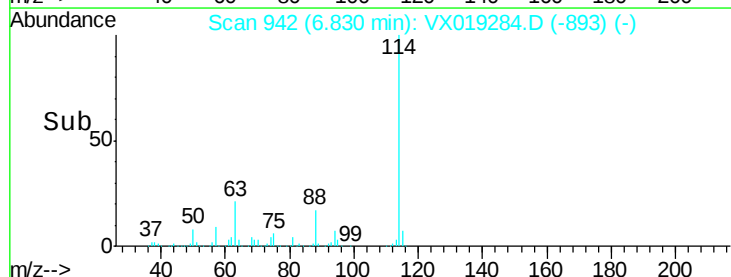
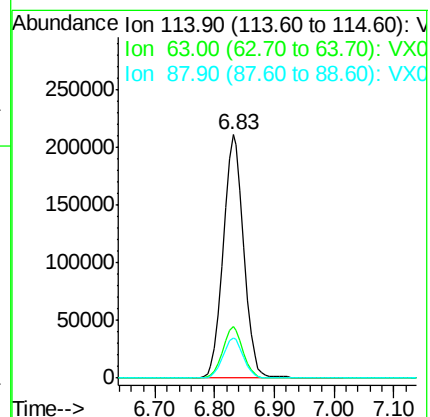
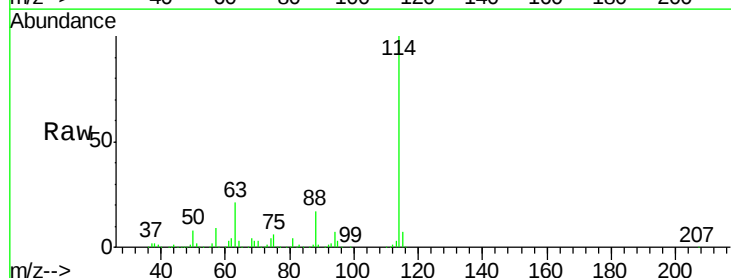
Tgt Ion: 114 Resp: 503538

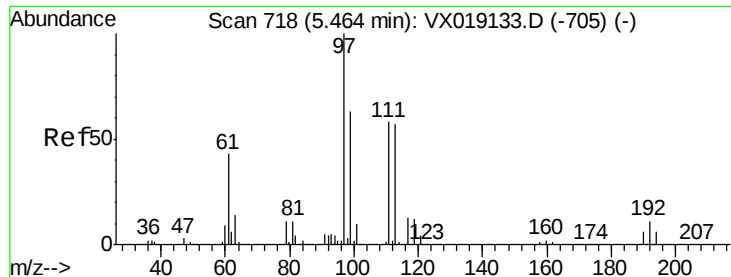
Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.8

88 16.5 0.0 34.2

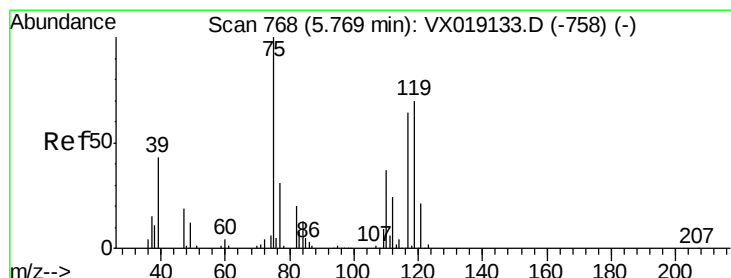
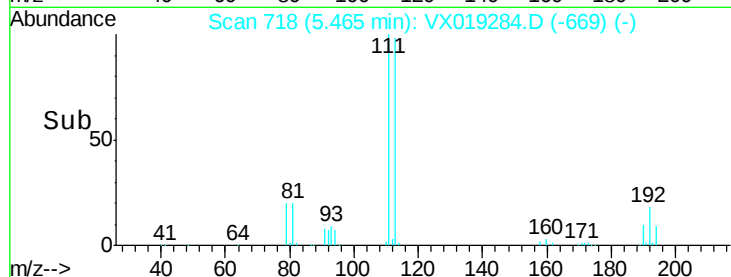
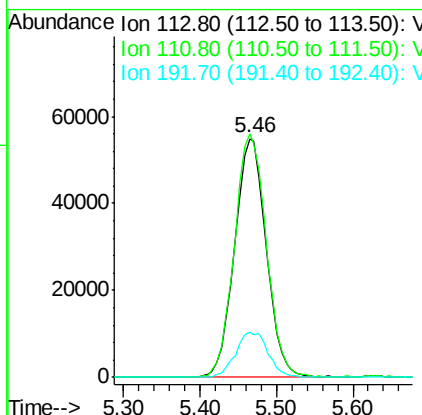
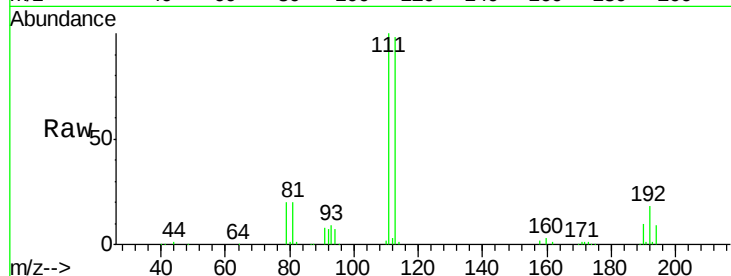




#35
 Dibromofluoromethane
 Concen: 49.761 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX019284.D
 Acq: 04 Nov 2020 21:11

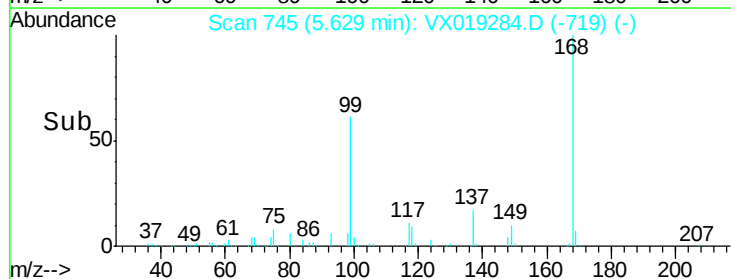
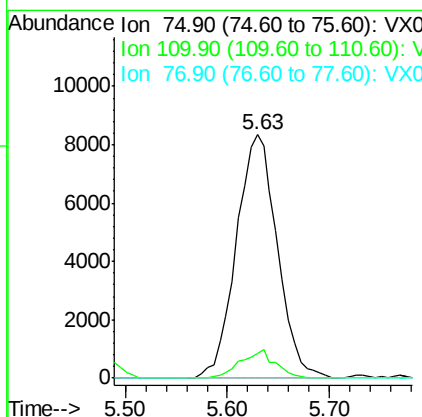
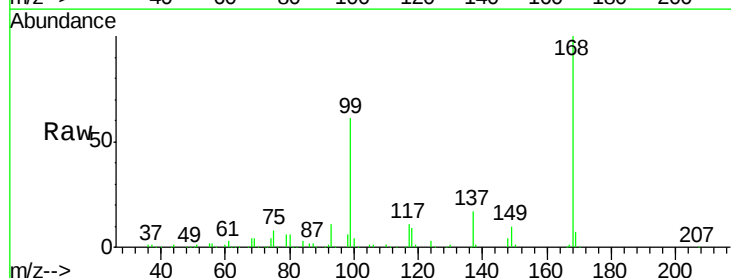
Instrument :
 MSVOA_X
 ClientSampleId :

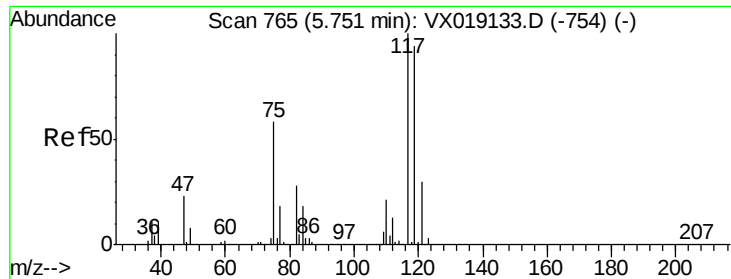
Tot Ion:113 Resp: 157390
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.3 123.5
 192 19.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019284.D
 Acq: 04 Nov 2020 21:11

Tgt Ion: 75 Resp: 23229
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.3 54.9#
 77 0.0 24.9 37.3#

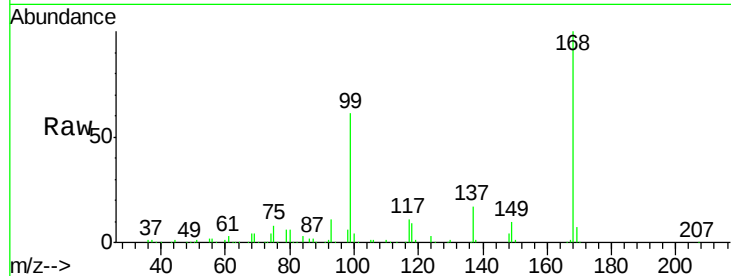




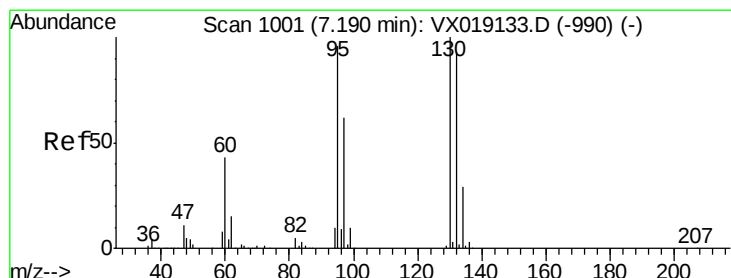
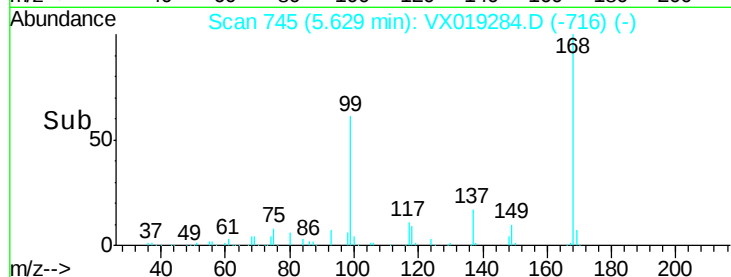
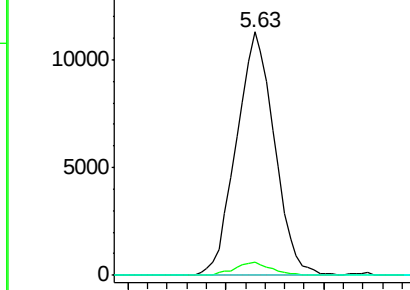
#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 30441
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 23.9 35.9#

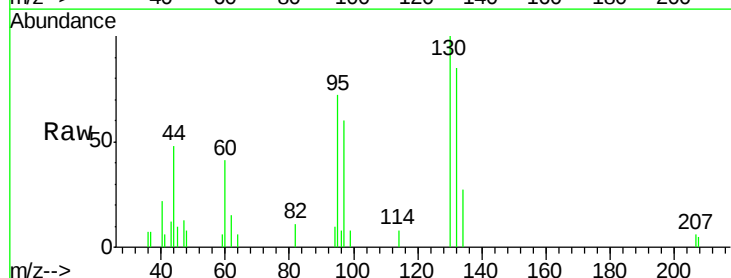


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

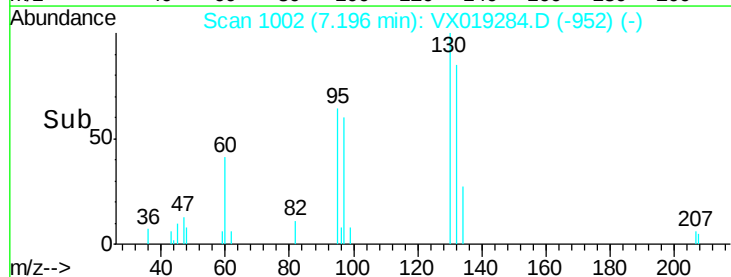
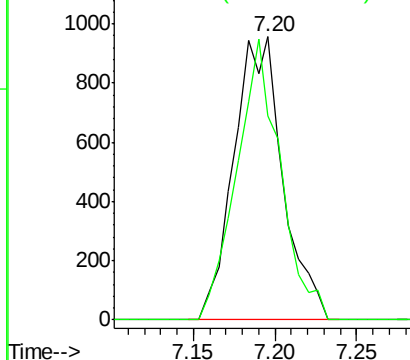


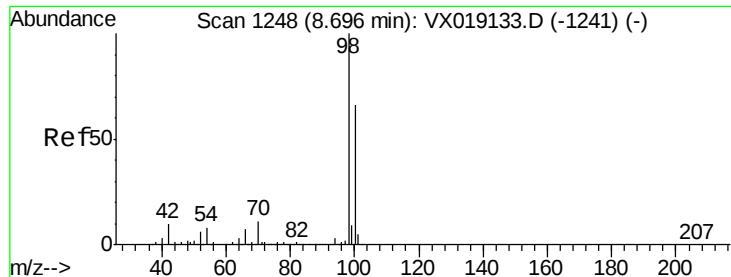
#44
Trichloroethene
Concen: 0.529 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Tgt Ion:130 Resp: 1998
Ion Ratio Lower Upper
130 100
95 71.9 0.0 192.0



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

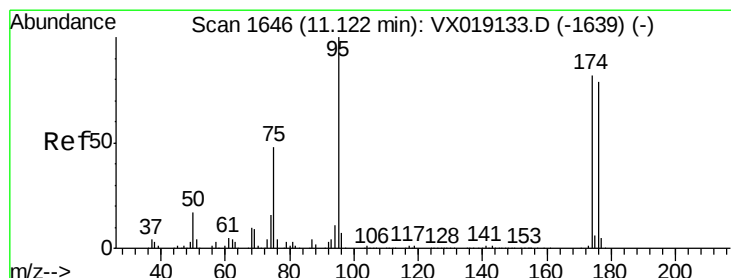
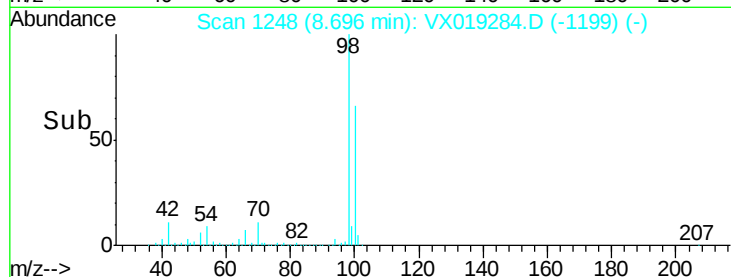
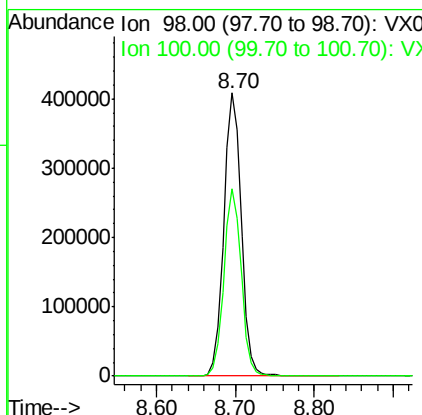
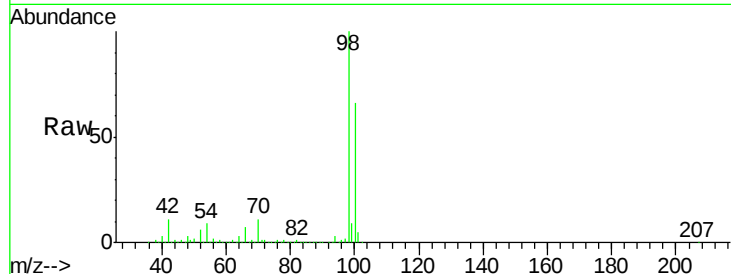




#50
Toluene-d8
Concen: 52.877 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

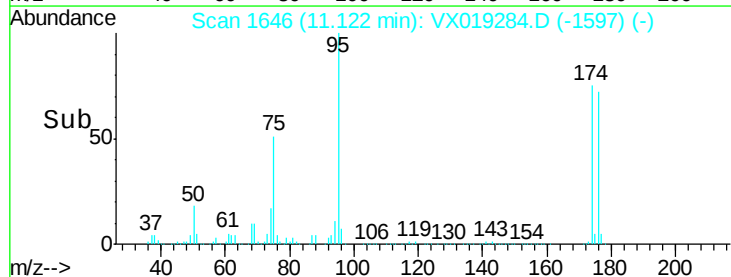
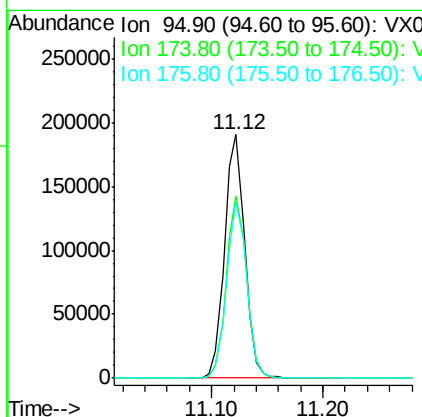
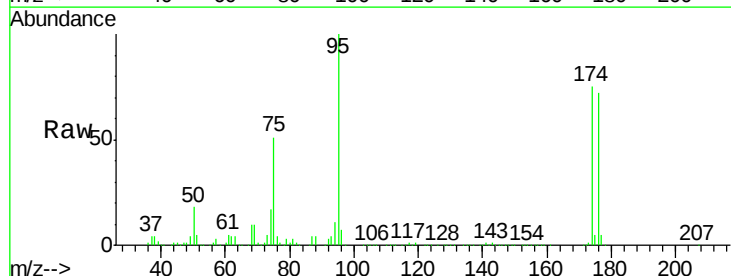
Instrument :
MSVOA_X
ClientSampleId :

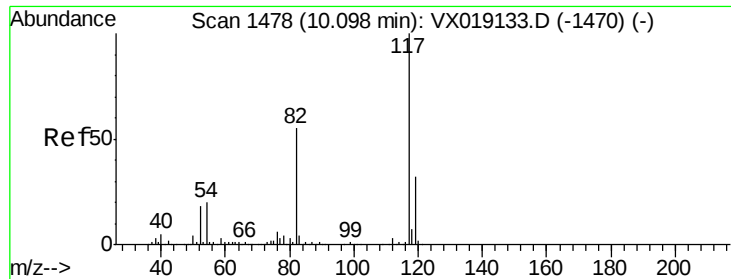
Tot Ion: 98 Resp: 630450
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 52.781 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Tgt Ion: 95 Resp: 238326
Ion Ratio Lower Upper
95 100
174 75.4 0.0 156.0
176 72.2 0.0 149.8

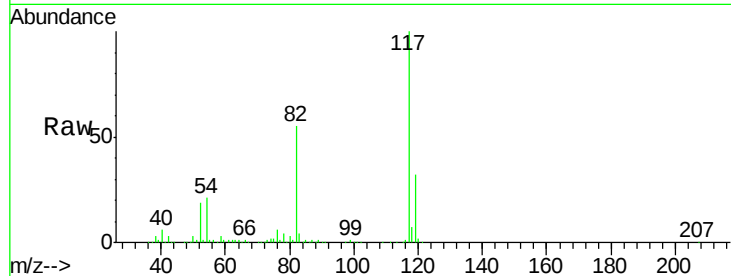




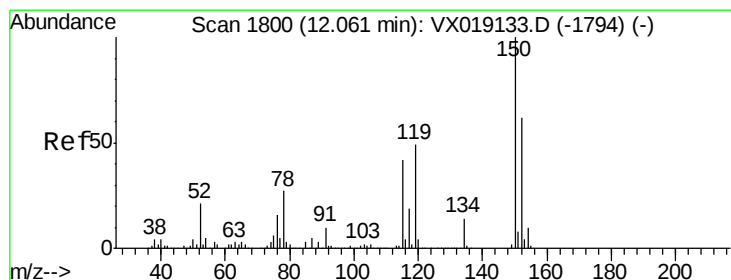
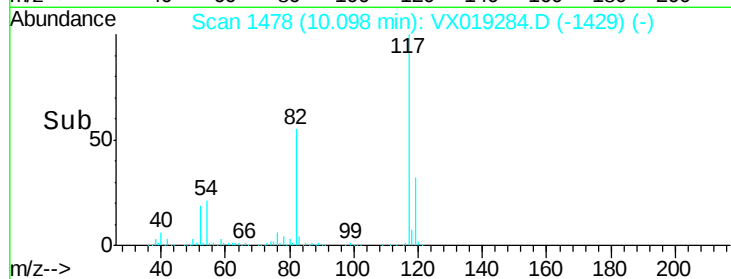
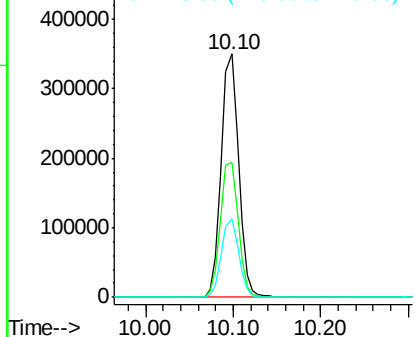
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 482656
Ion Ratio Lower Upper
117 100
82 55.5 43.6 65.4
119 32.2 25.5 38.3

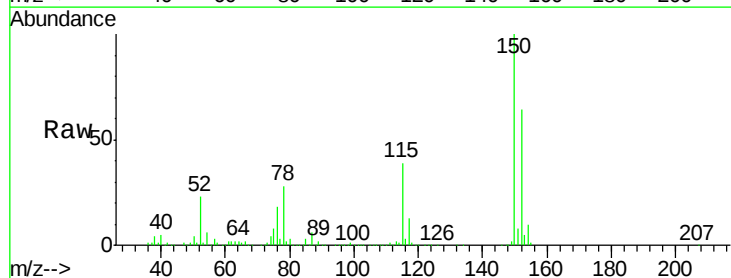


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

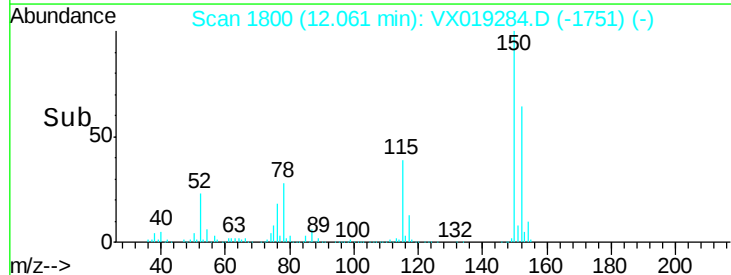
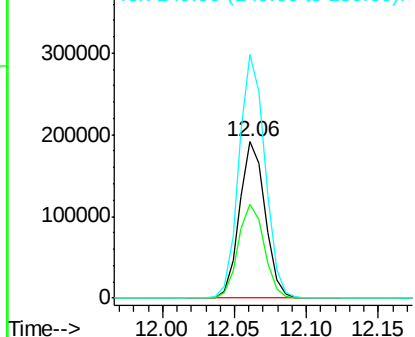


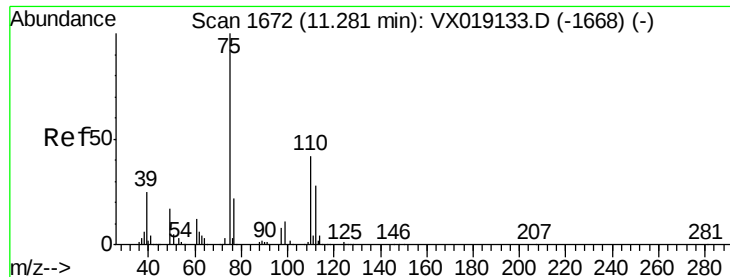
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019284.D
Acq: 04 Nov 2020 21:11

Tgt Ion:152 Resp: 237020
Ion Ratio Lower Upper
152 100
115 61.1 41.9 125.7
150 157.5 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: 24.830 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019284.D

Acq: 04 Nov 2020 21:11

Instrument :

MSVOA_X

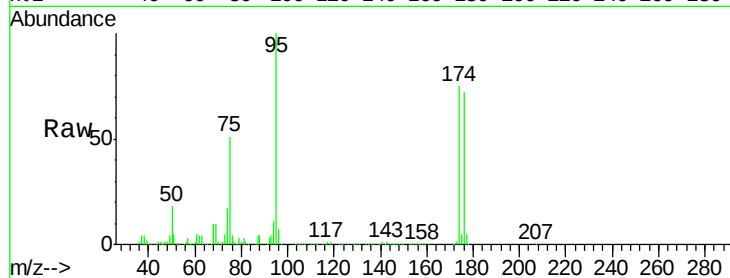
ClientSampled :

Tot Ion: 75 Resp: 121518

Ion Ratio Lower Upper

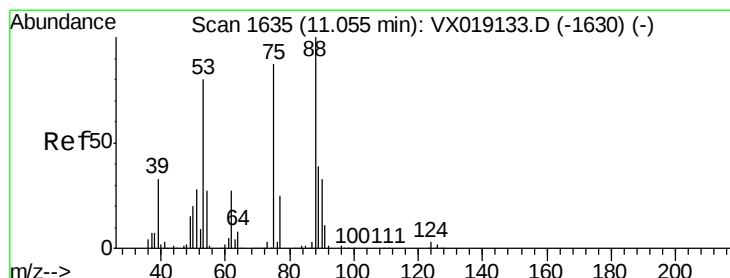
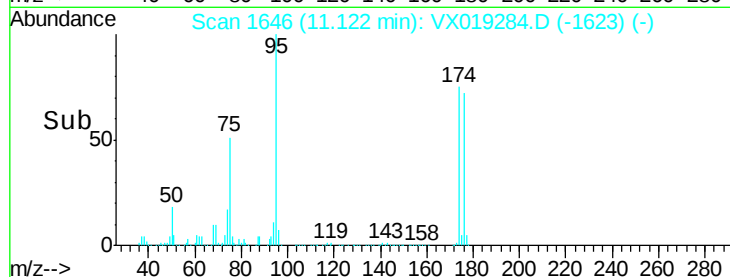
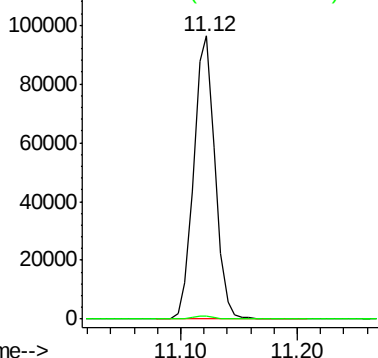
75 100

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: 65.378 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019284.D

Acq: 04 Nov 2020 21:11

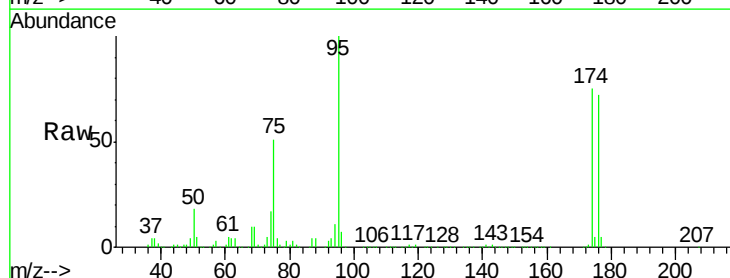
Tgt Ion: 75 Resp: 121518

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

