

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019288.D
 Acq On : 04 Nov 2020 22:41
 Operator : JC/MD
 Sample : L4607-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:28:42 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	275936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	484869	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231938	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	196962	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	5.46	113	154273	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	8.70	98	611148	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.12	95	229237	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

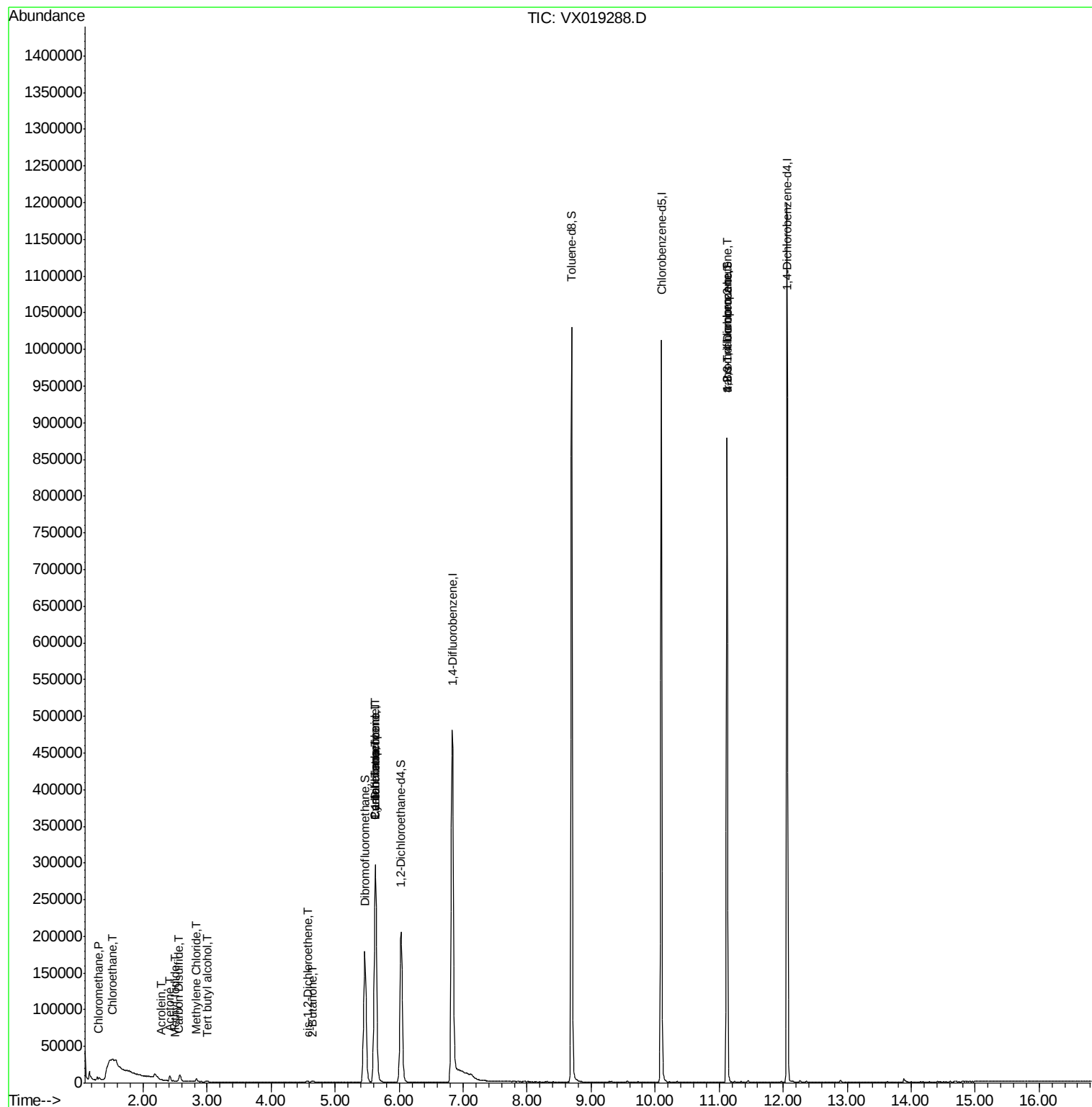
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1698	0.661	ug/l	98
6) Chloroethane	1.51	64	50191	26.375	ug/l #	50
10) Methyl Iodide	2.50	142	26	6.386	ug/l #	39
11) Tert butyl alcohol	3.00	59	628	0.893	ug/l #	72
13) Acrolein	2.29	56	64	5.847	ug/l #	46
16) Acetone	2.42	43	6656	5.422	ug/l	95
17) Carbon Disulfide	2.56	76	2730	1.112	ug/l #	90
20) Methylene Chloride	2.84	84	1571	0.510	ug/l	92
25) 2-Butanone	4.65	43	828	0.428	ug/l #	44
27) cis-1,2-Dichloroethene	4.57	96	965	0.281	ug/l #	66
31) Cyclohexane	5.63	56	6022	1.339	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22389	5.000	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28204	6.180	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	117623	24.561	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	117623	64.669	ug/l #	12

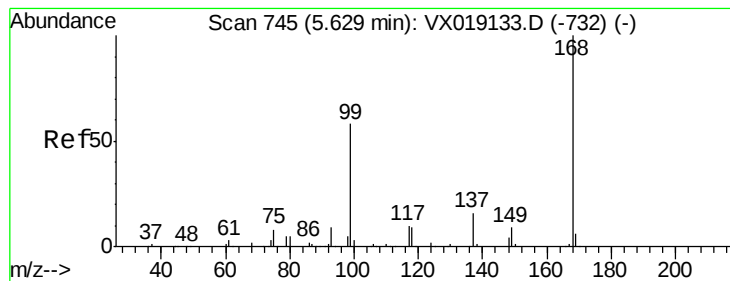
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019288.D

Acq: 04 Nov 2020 22:41

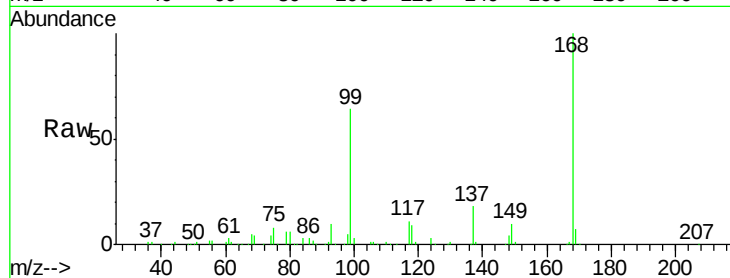
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 275936

Ion Ratio Lower Upper

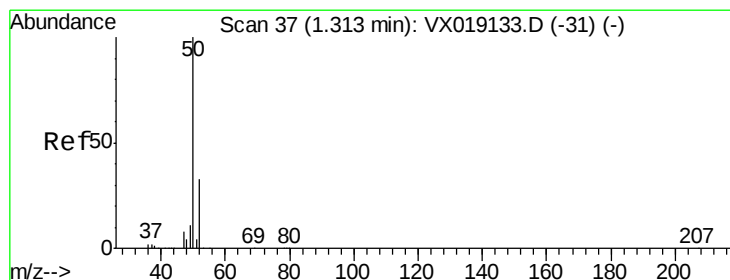
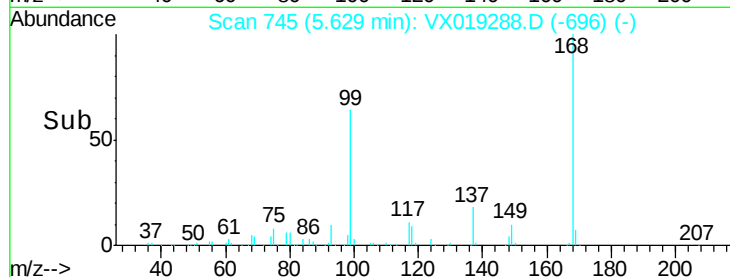
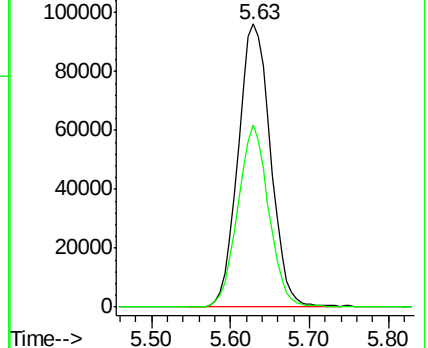
168 100

99 64.2 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: 0.661 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019288.D

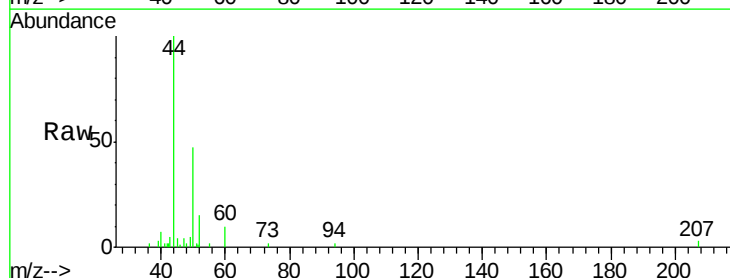
Acq: 04 Nov 2020 22:41

Tgt Ion: 50 Resp: 1698

Ion Ratio Lower Upper

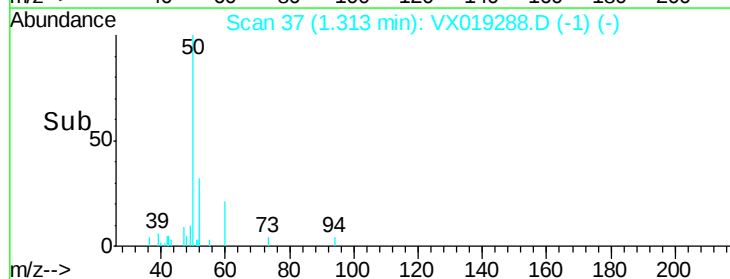
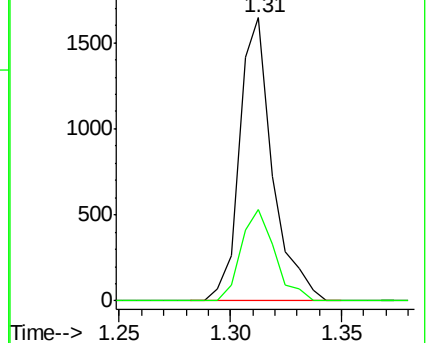
50 100

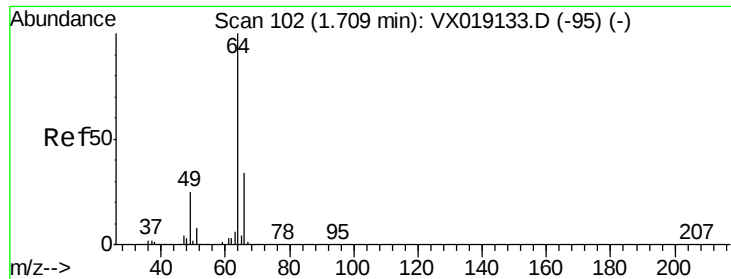
52 32.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 26.375 ug/l

RT: 1.51 min Scan# 70

Delta R.T. -0.20 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :

MSVOA_X

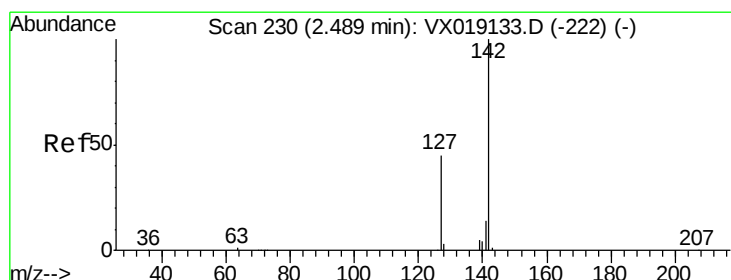
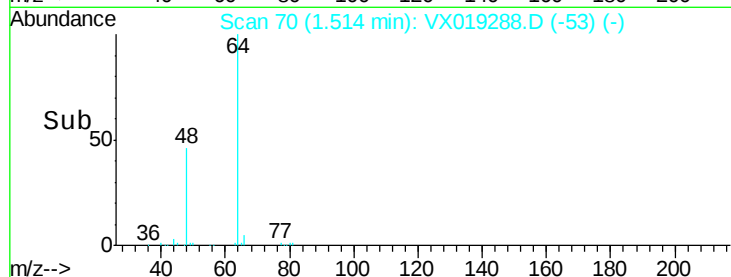
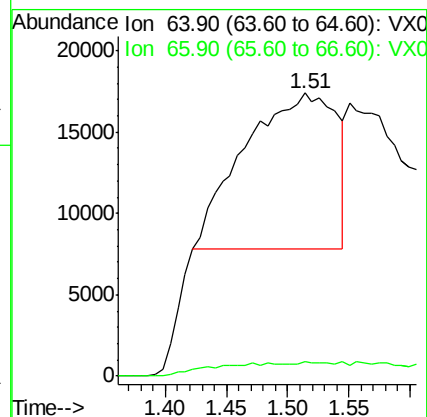
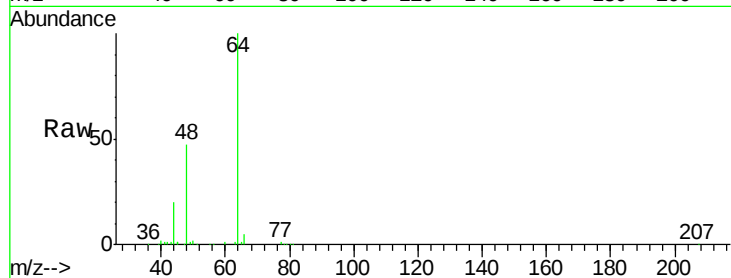
ClientSampleId :

Tot Ion: 64 Resp: 50191

Ion Ratio Lower Upper

64 100

66 5.0 27.1 40.7#



#10

Methyl Iodide

Concen: 6.386 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

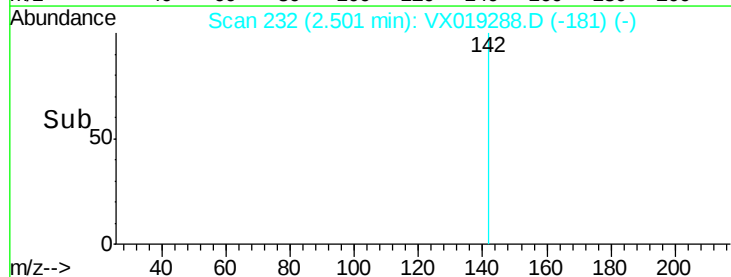
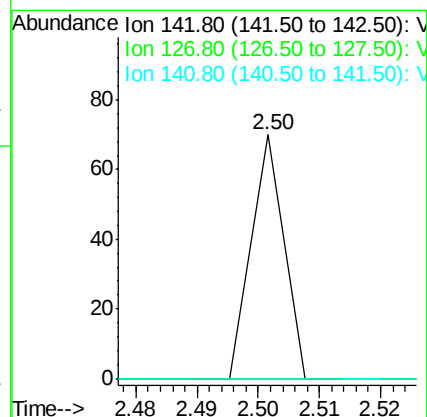
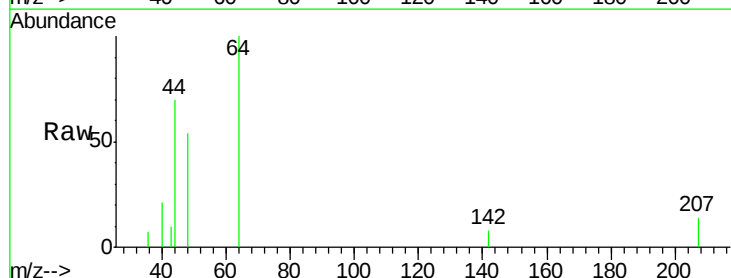
Tgt Ion: 142 Resp: 26

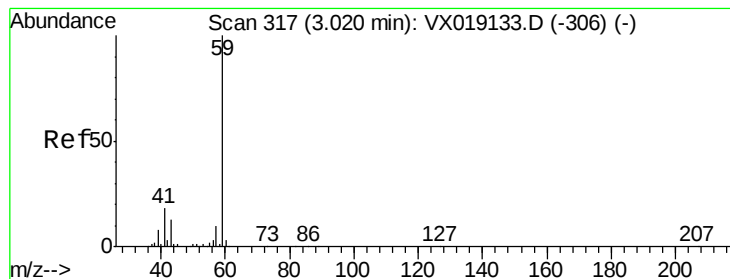
Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



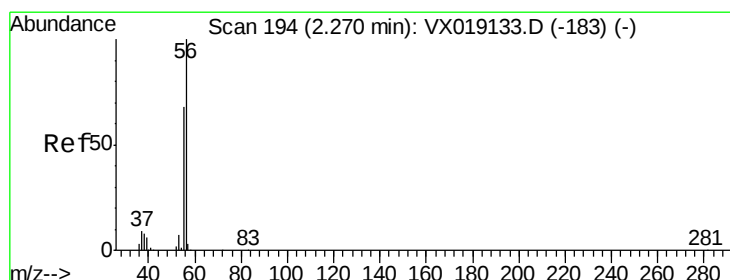
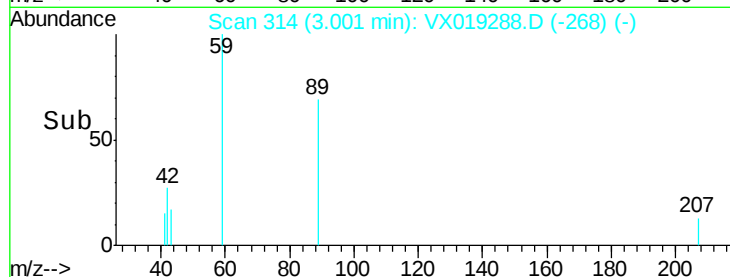
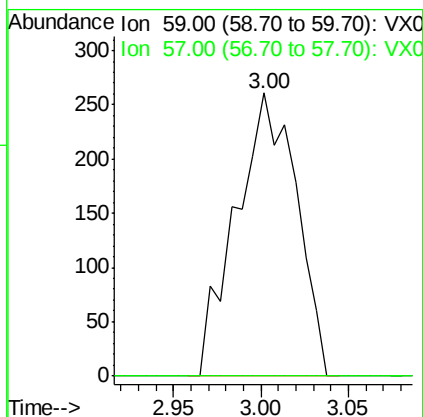
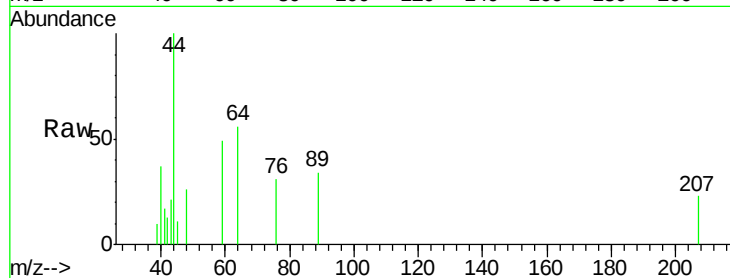


#11

Tert butyl alcohol
Concen: 0.893 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Instrument :
MSVOA_X
ClientSampled :

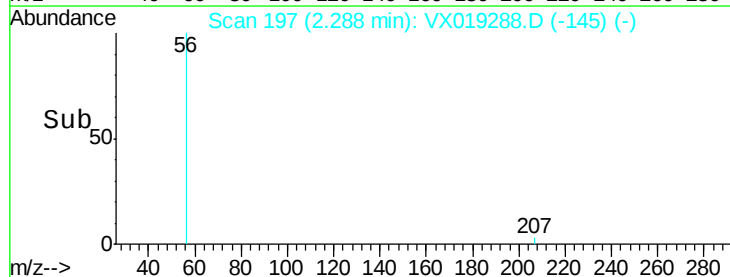
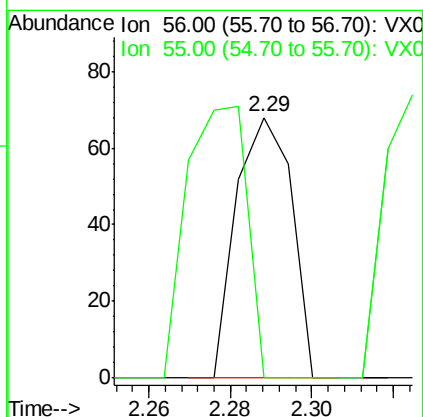
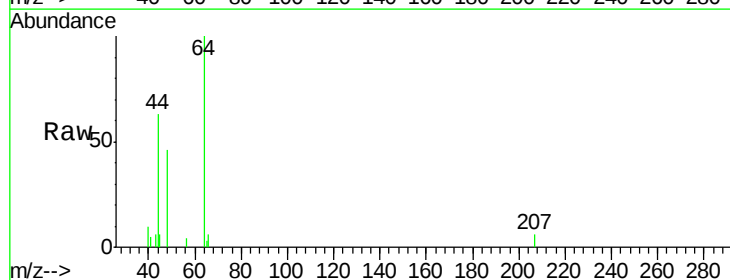
Tot Ion: 59 Resp: 628
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

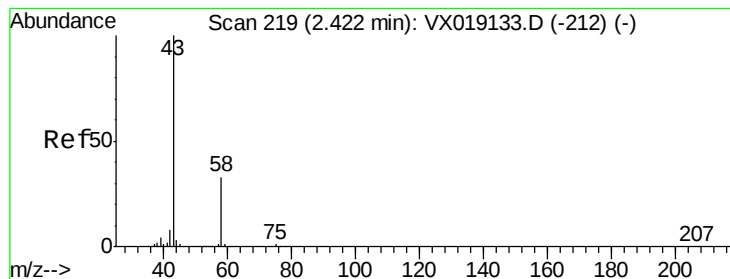


#13

Acrolein
Concen: 5.847 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.02 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 112.5 54.7 82.1#





#16

Acetone

Concen: 5.422 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :

MSVOA_X

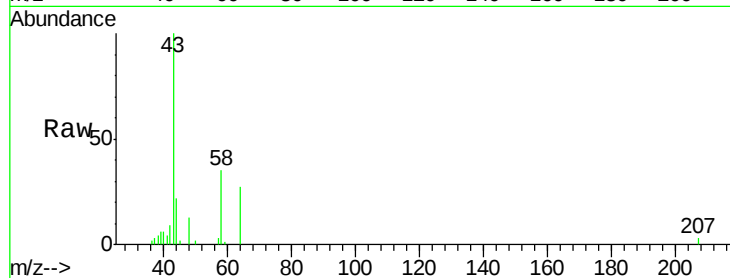
ClientSampled :

Tot Ion: 43 Resp: 6656

Ion Ratio Lower Upper

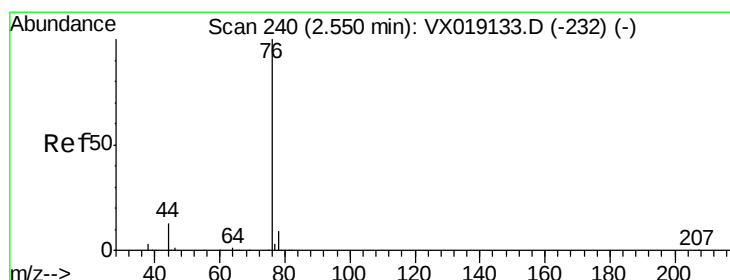
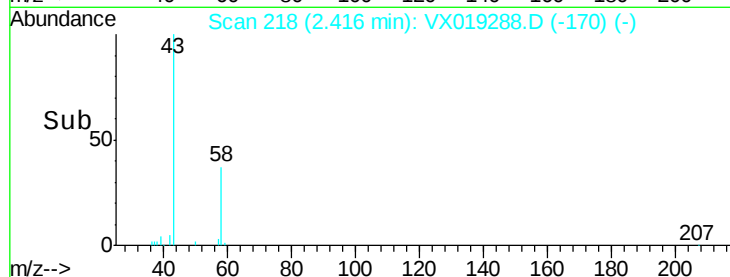
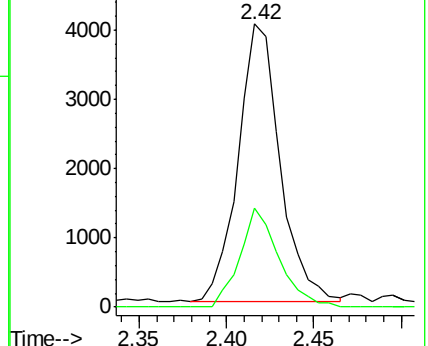
43 100

58 35.8 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: 1.112 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019288.D

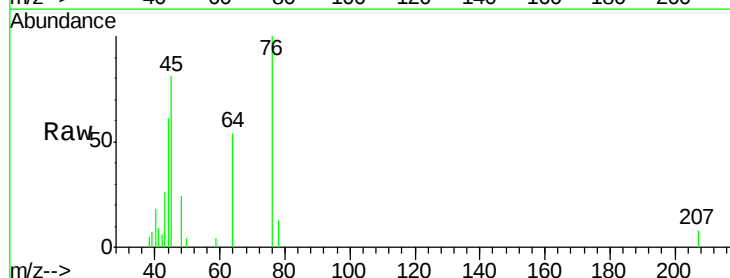
Acq: 04 Nov 2020 22:41

Tgt Ion: 76 Resp: 2730

Ion Ratio Lower Upper

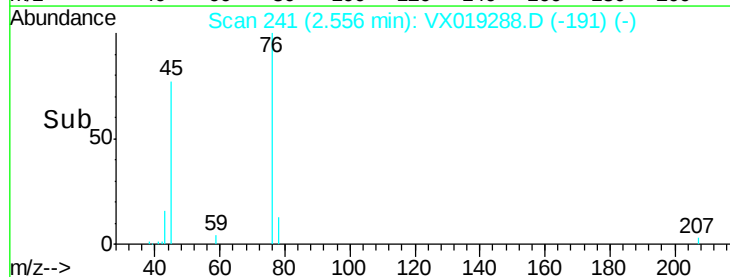
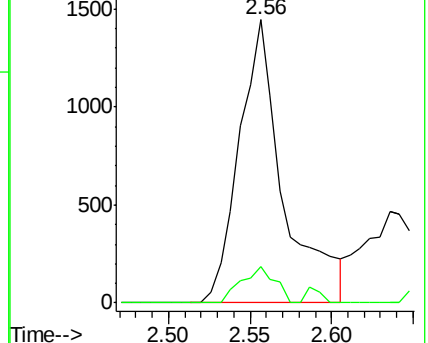
76 100

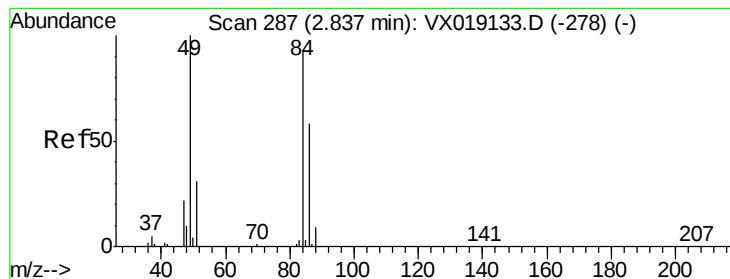
78 12.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methvlene Chloride

Concen: 0.510 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1571

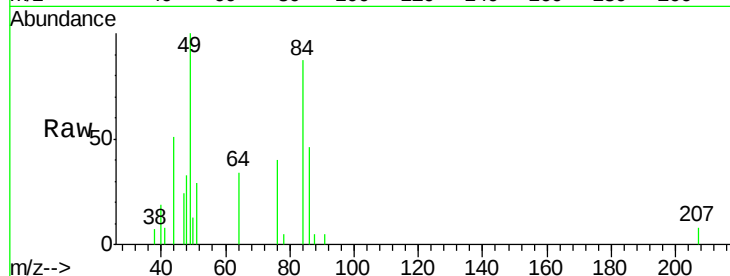
Ion Ratio Lower Upper

84 100

49 115.5 86.8 130.2

51 33.7 27.3 40.9

86 52.6 50.6 76.0

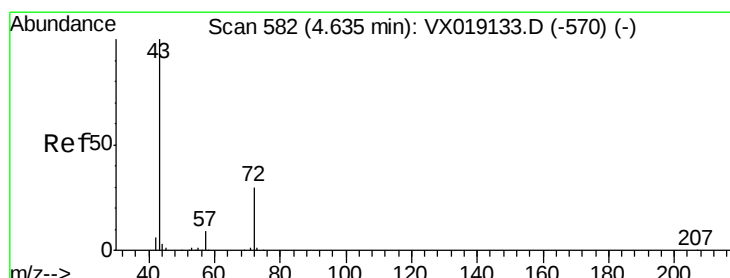
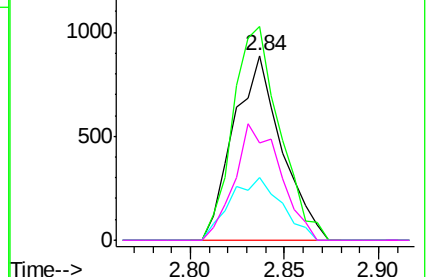
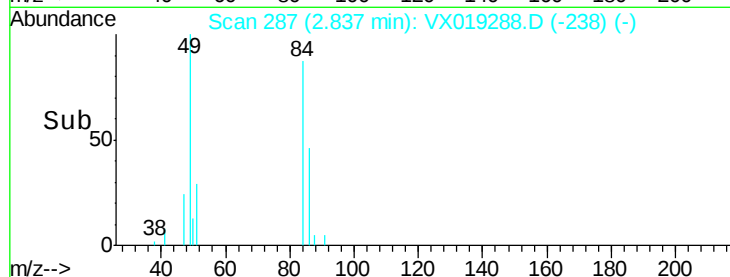


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.428 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019288.D

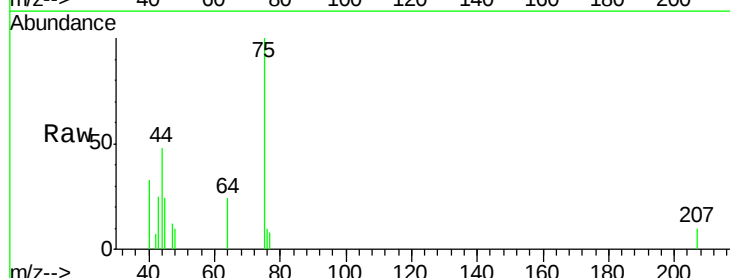
Acq: 04 Nov 2020 22:41

Tgt Ion: 43 Resp: 828

Ion Ratio Lower Upper

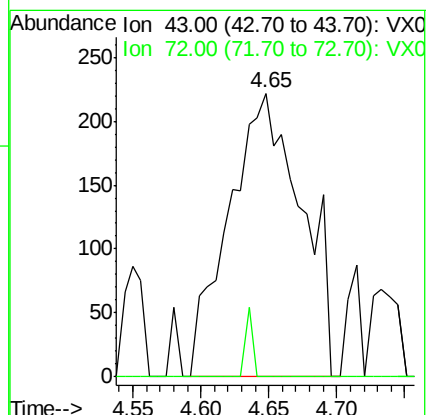
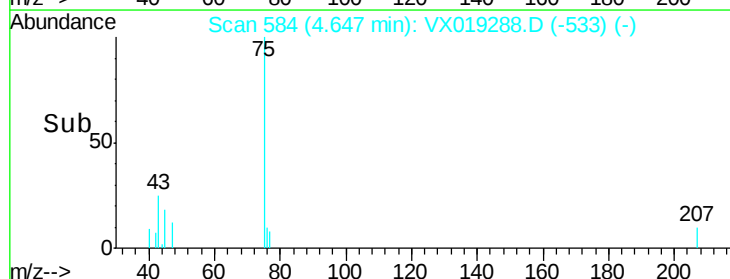
43 100

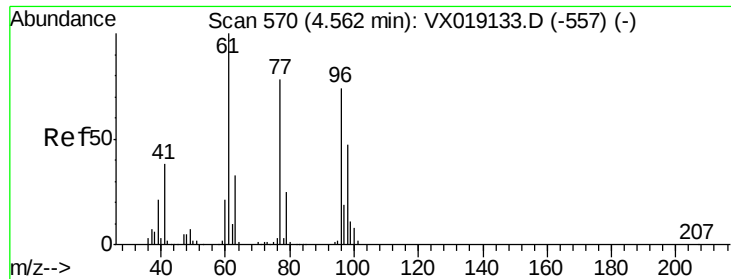
72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

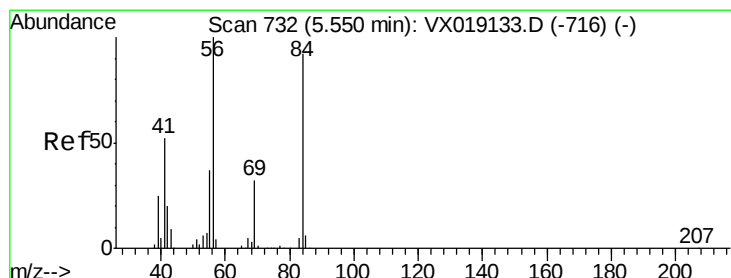
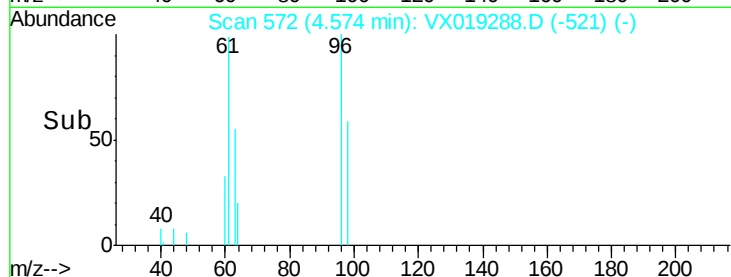
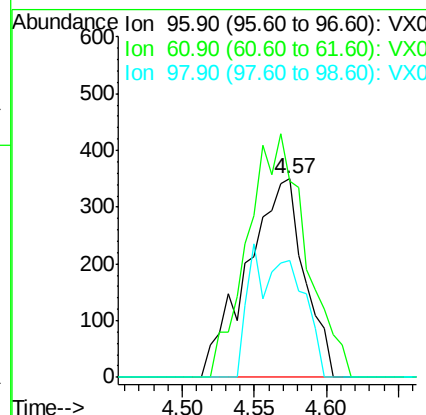
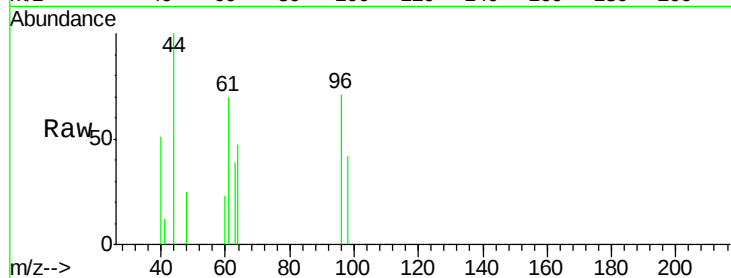




#27
 cis-1,2-Dichloroethene
 Concen: 0.281 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX019288.D
 Acq: 04 Nov 2020 22:41

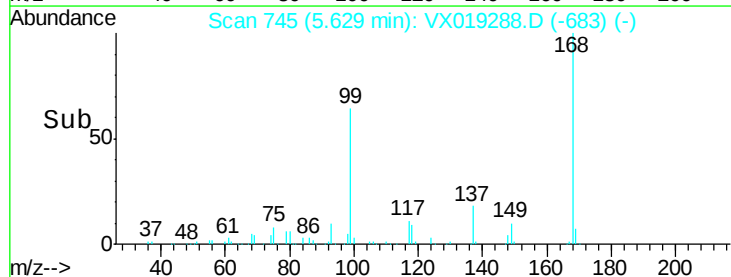
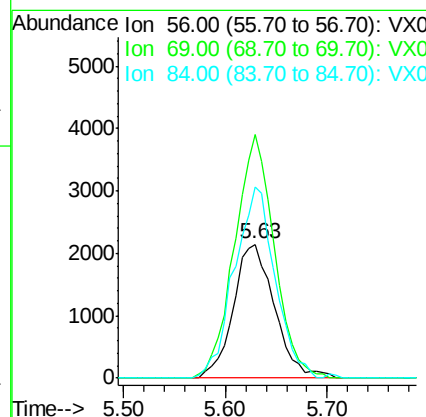
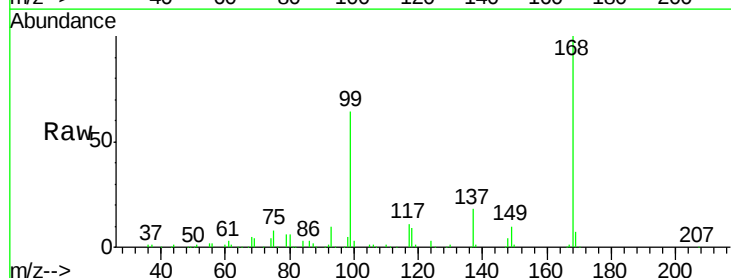
Instrument :
 MSVOA_X
 ClientSampleId :

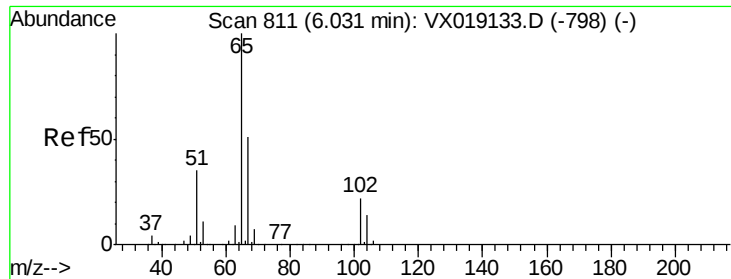
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.8	0.0	278.8
98	0.0	0.0	130.2



#31
 Cyclohexane
 Concen: 1.339 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX019288.D
 Acq: 04 Nov 2020 22:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	181.9	25.9	38.9#
84	143.1	73.4	110.2#





#33

1,2-Dichloroethane-d4

Concen: 55.349 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :

MSVOA_X

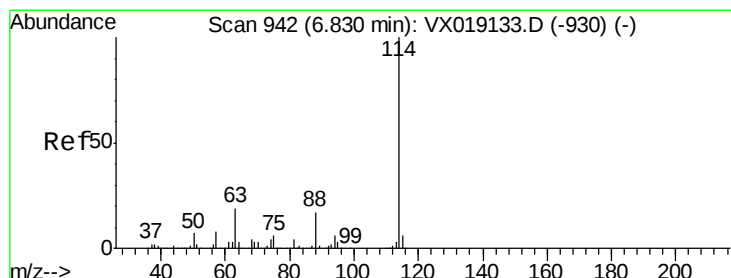
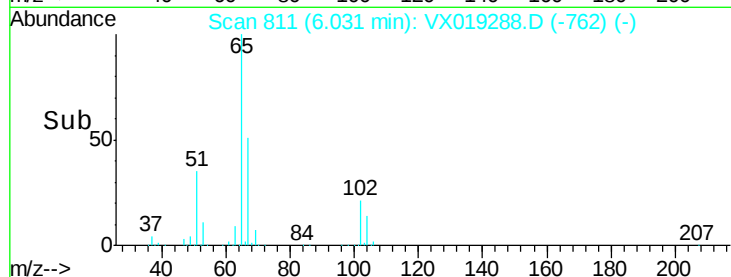
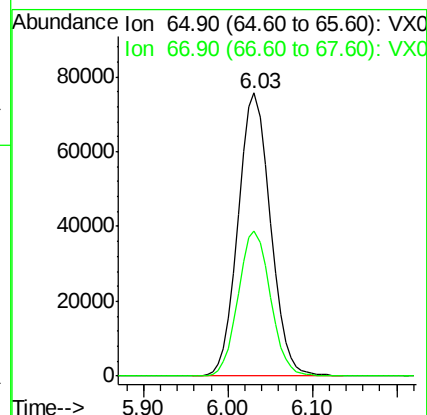
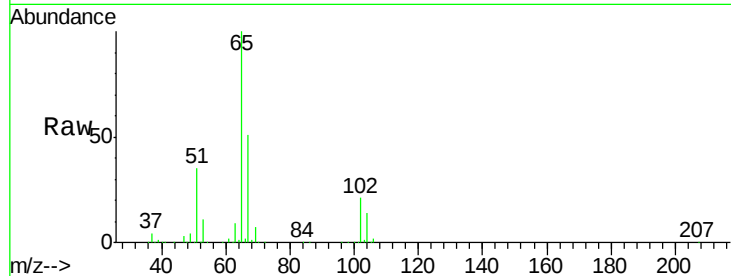
ClientSampleId :

Tot Ion: 65 Resp: 196962

Ion Ratio Lower Upper

65 100

67 51.3 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: VX019288.D

Acq: 04 Nov 2020 22:41

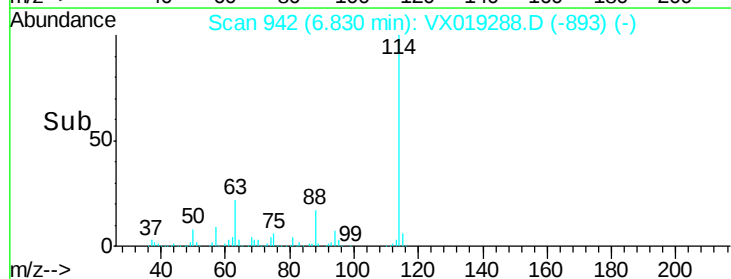
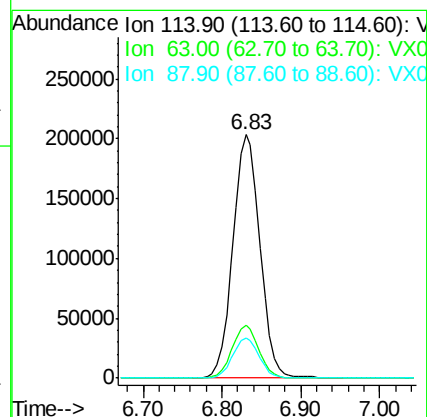
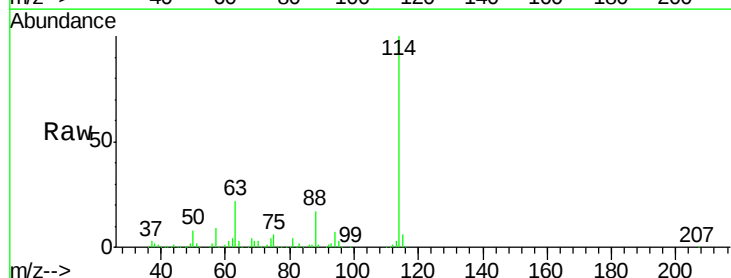
Tgt Ion: 114 Resp: 484869

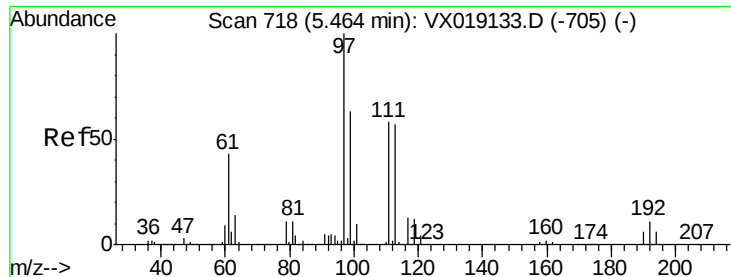
Ion Ratio Lower Upper

114 100

63 21.8 0.0 38.8

88 16.7 0.0 34.2

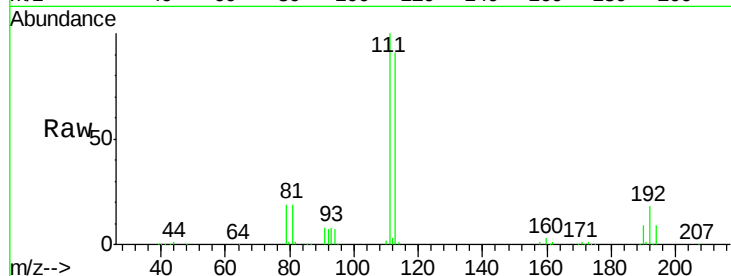




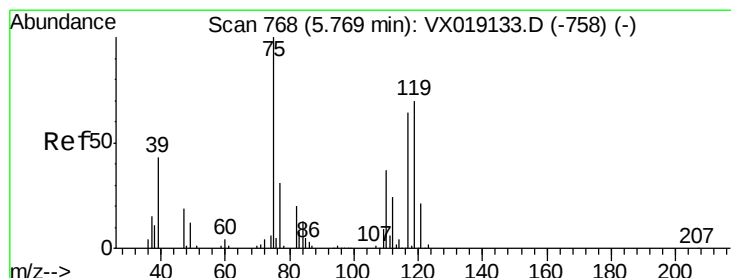
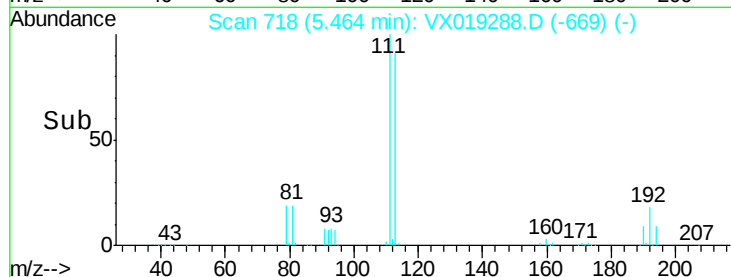
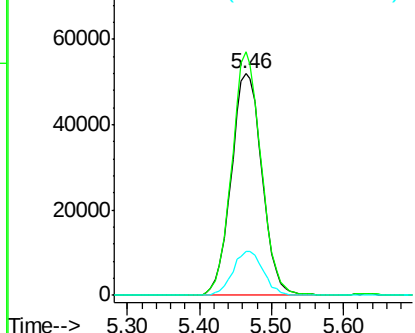
#35
 Dibromofluoromethane
 Concen: 50.654 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019288.D
 Acq: 04 Nov 2020 22:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 154273
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.3 123.5
 192 19.7 16.2 24.2

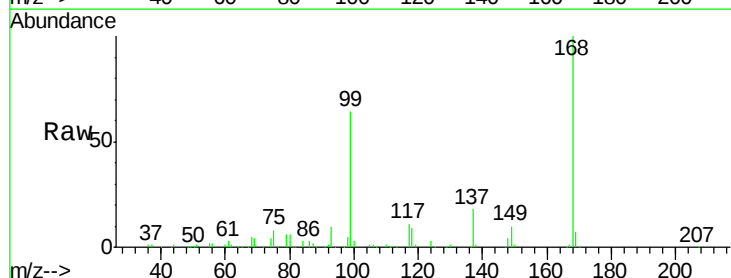


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

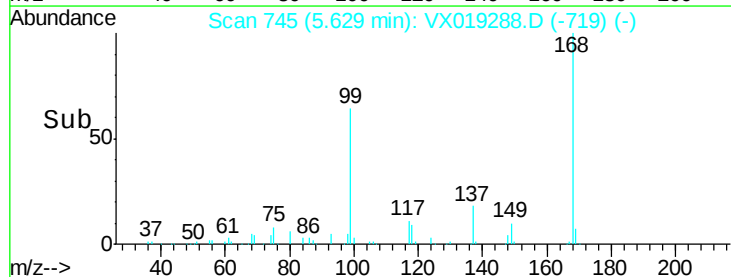
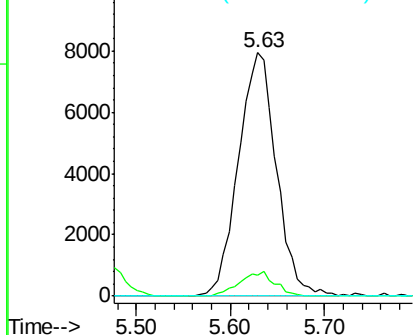


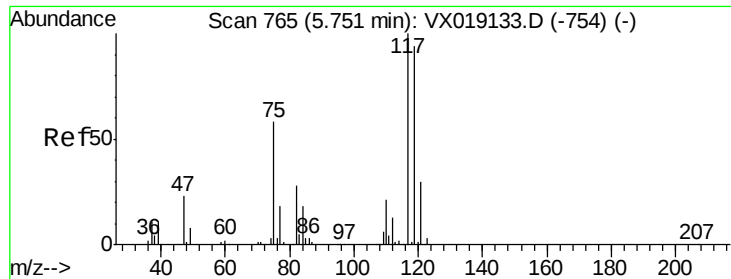
#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019288.D
 Acq: 04 Nov 2020 22:41

Tgt Ion: 75 Resp: 22389
 Ion Ratio Lower Upper
 75 100
 110 9.4 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

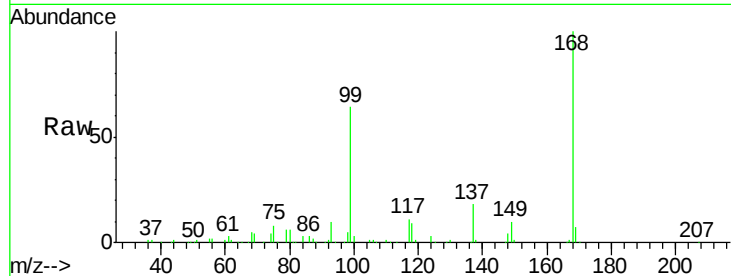




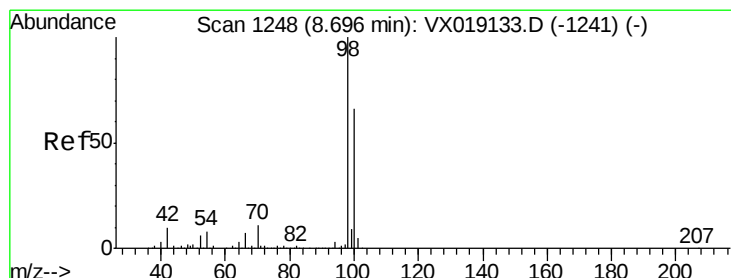
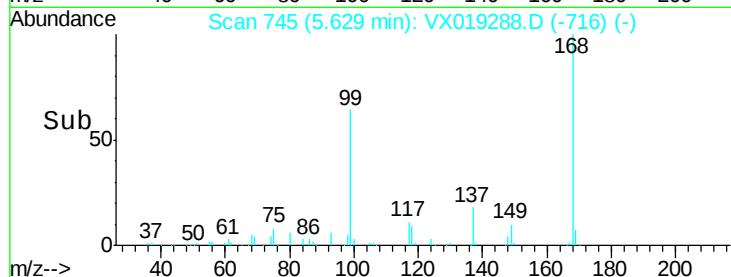
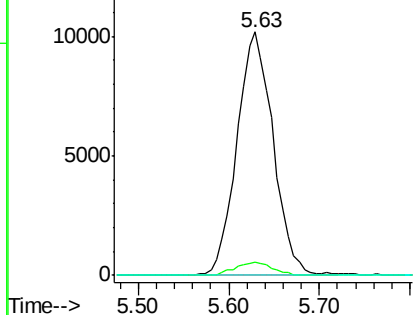
#38
Carbon Tetrachloride
Concen: 6.180 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 28204
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 23.9 35.9#

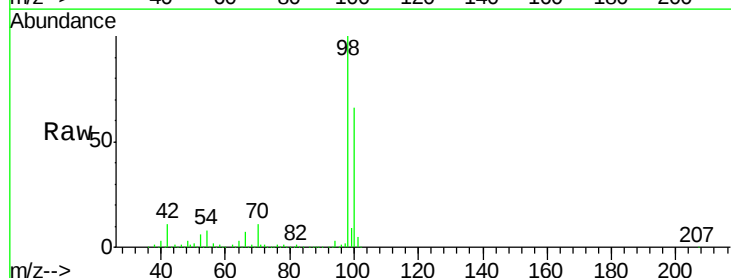


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

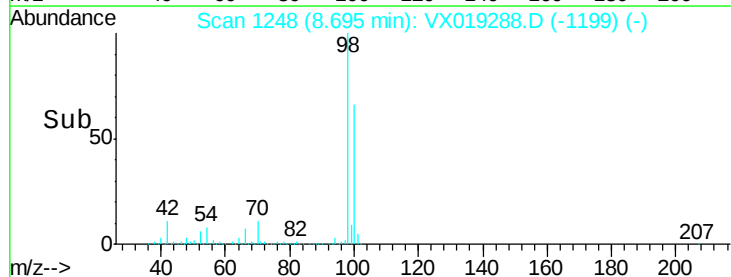
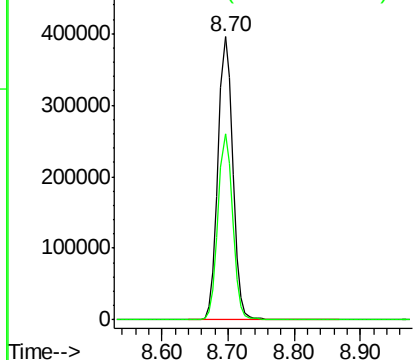


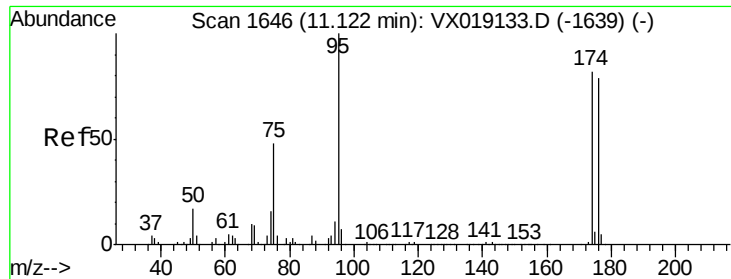
#50
Toluene-d8
Concen: 53.231 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Tgt Ion: 98 Resp: 611148
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



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

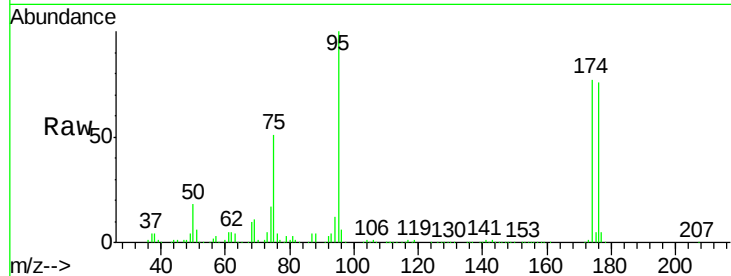




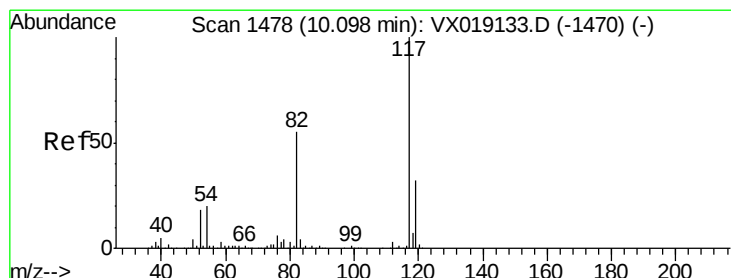
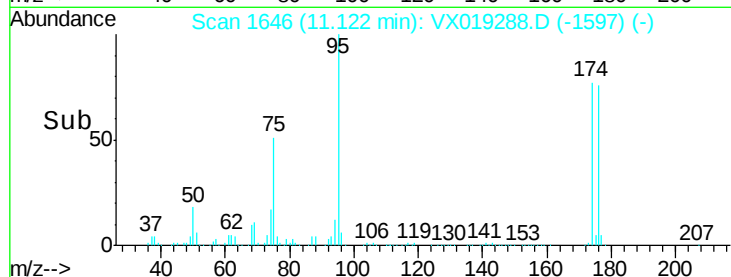
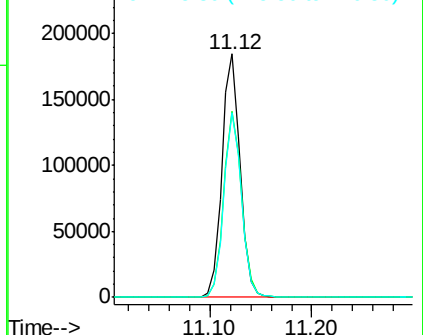
#62
4-Bromofluorobenzene
Concen: 52.723 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 229237
Ion Ratio Lower Upper
95 100
174 75.5 0.0 156.0
176 73.9 0.0 149.8

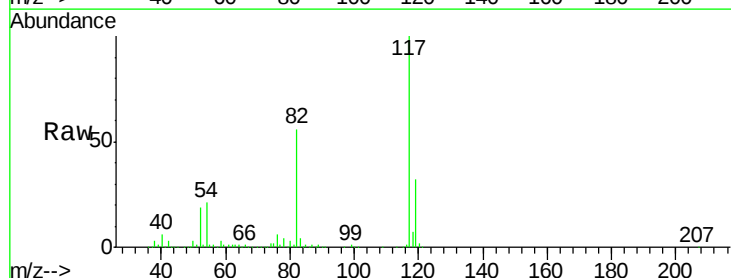


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

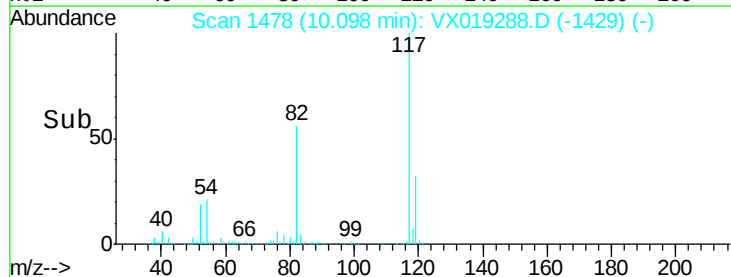
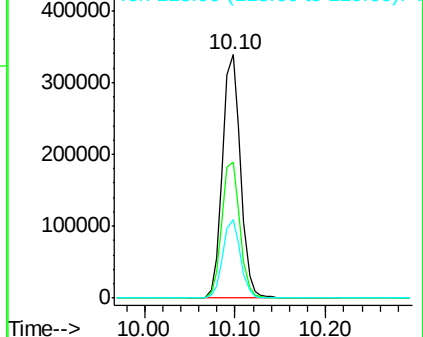


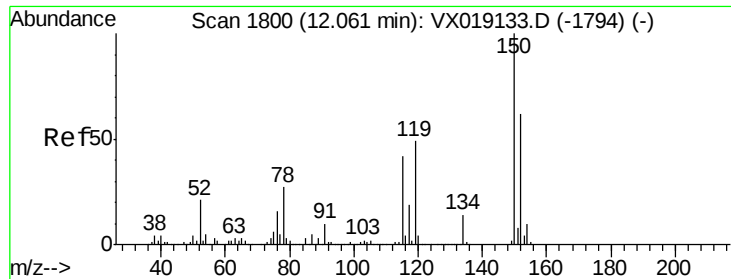
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019288.D
Acq: 04 Nov 2020 22:41

Tgt Ion: 117 Resp: 469626
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 32.4 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: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

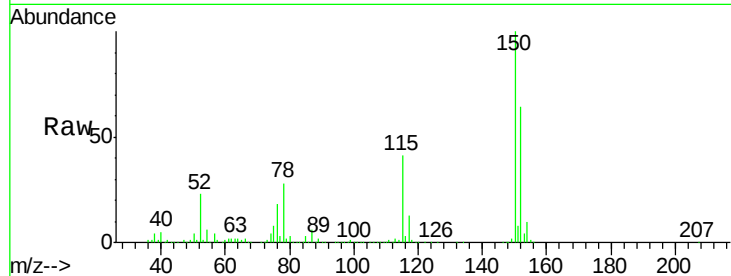
Tot Ion:152 Resp: 231938

Ion Ratio Lower Upper

152 100

115 61.7 41.9 125.7

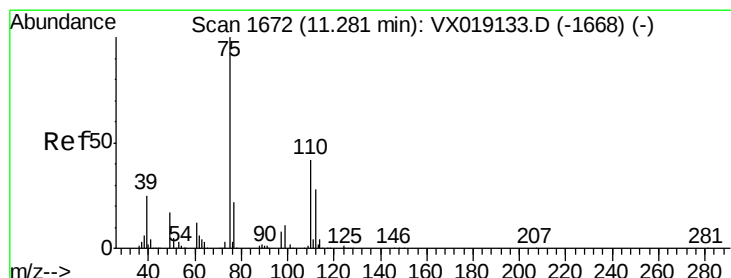
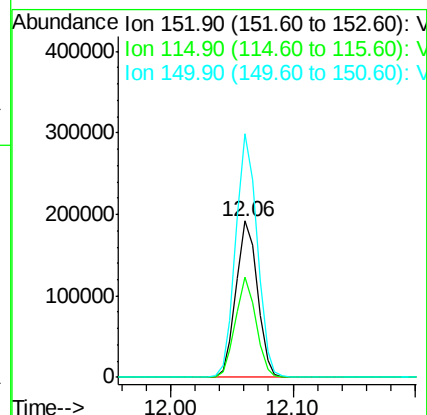
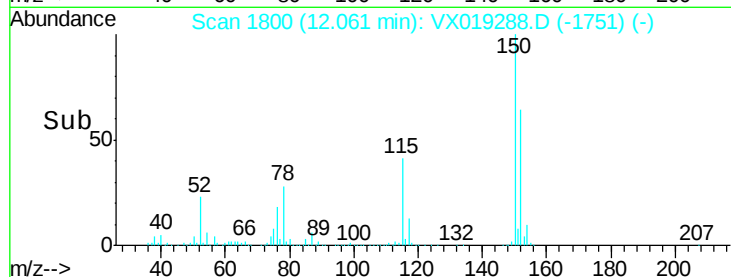
150 155.6 0.0 347.8



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: 24.561 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019288.D

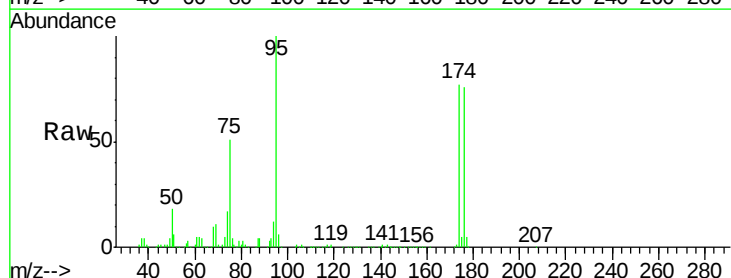
Acq: 04 Nov 2020 22:41

Tgt Ion: 75 Resp: 117623

Ion Ratio Lower Upper

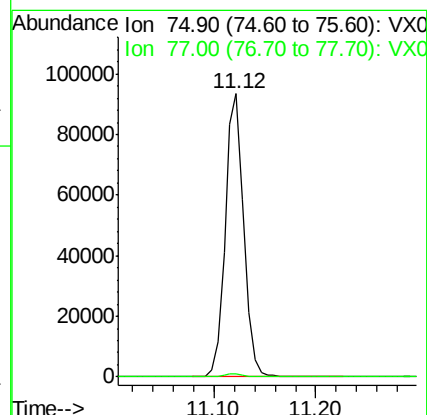
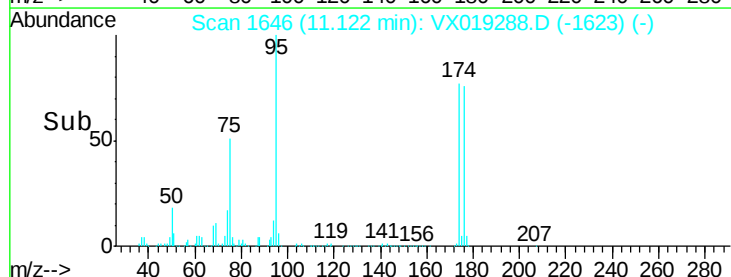
75 100

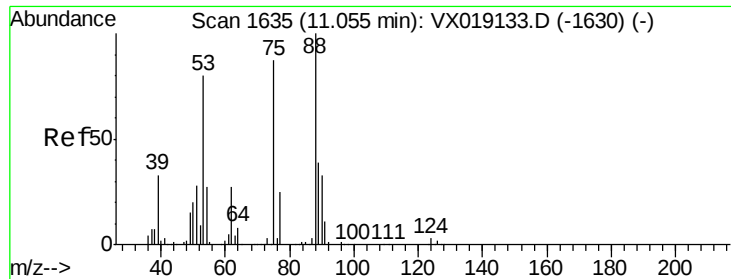
77 1.2 20.3 60.9#



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: 64.669 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019288.D

Acq: 04 Nov 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 117623

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

89 0.0 38.2 57.2#

