

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019282.D
 Acq On : 04 Nov 2020 20:26
 Operator : JC/MD
 Sample : L4616-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:26:21 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	279610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	498998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238618	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	198392	55.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.04%	
35) Dibromofluoromethane	5.46	113	156640	49.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.94%	
50) Toluene-d8	8.70	98	623743	52.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.12	95	237112	52.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.98%	

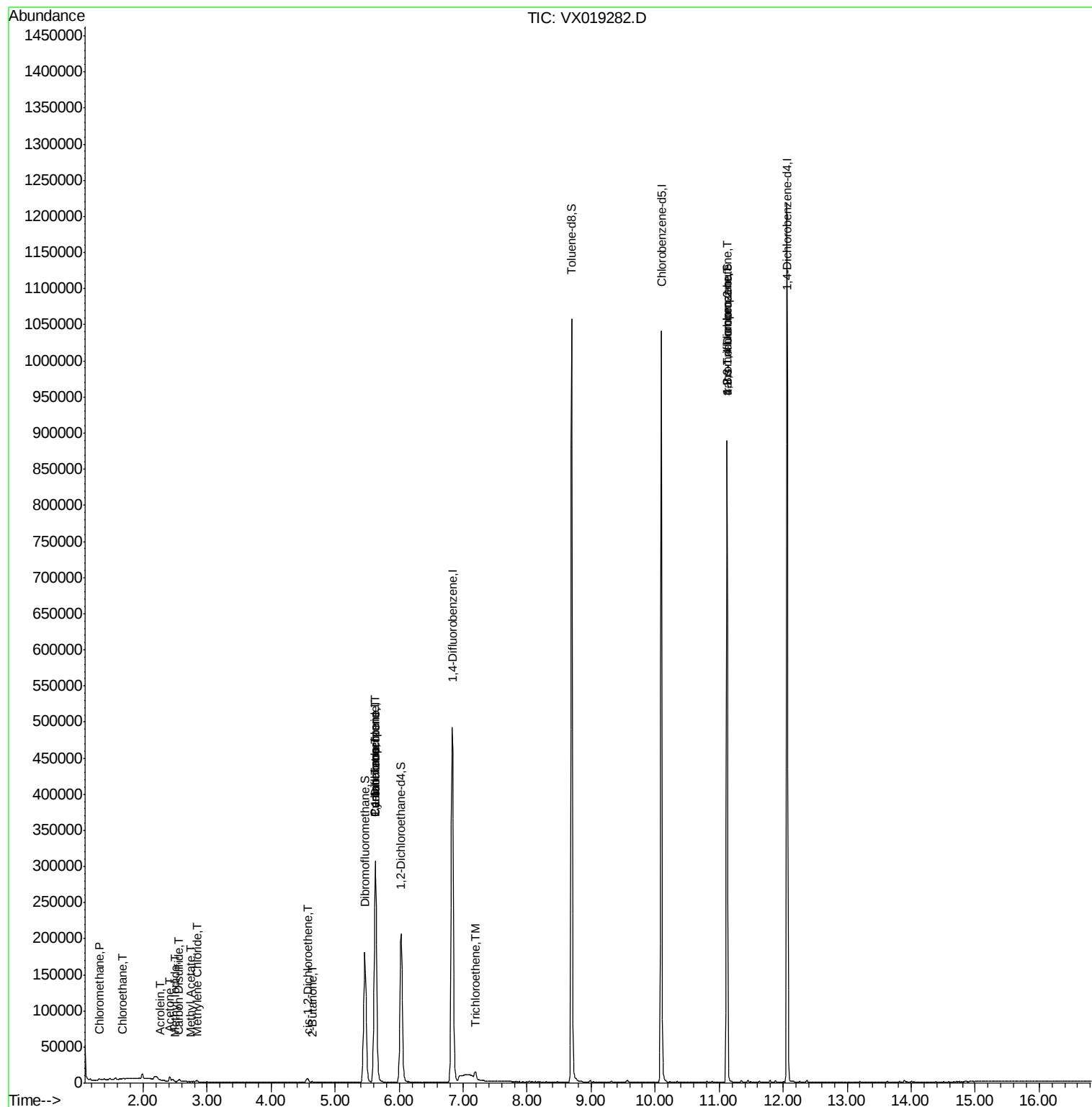
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	529	0.203	ug/l #	21
6) Chloroethane	1.68	64	3144	1.630	ug/l #	41
10) Methyl Iodide	2.50	142	210	6.438	ug/l #	89
13) Acrolein	2.27	56	89	5.921	ug/l #	25
16) Acetone	2.42	43	7244	5.823	ug/l	96
17) Carbon Disulfide	2.56	76	3337	1.185	ug/l #	95
18) Methyl Acetate	2.75	43	699	0.231	ug/l #	54
20) Methylene Chloride	2.84	84	839	0.269	ug/l #	69
25) 2-Butanone	4.64	43	1767	0.901	ug/l #	85
27) cis-1,2-Dichloroethene	4.57	96	3461	0.993	ug/l	93
31) Cyclohexane	5.63	56	6423	1.409	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	23687	5.141	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29315	6.241	ug/l #	17
44) Trichloroethene	7.19	130	3533	0.944	ug/l	78
76) 1,2,3-Trichloropropane	11.12	75	122673	24.898	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	122673	65.557	ug/l #	12

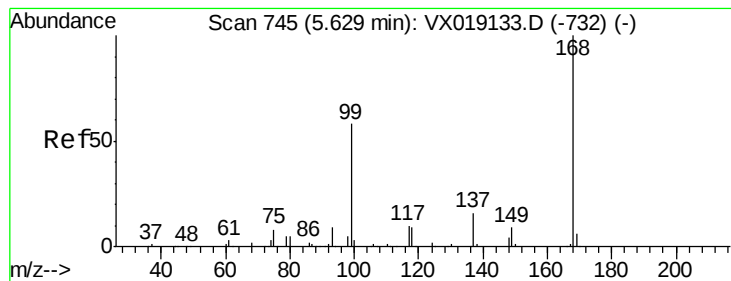
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019282.D

Acq: 04 Nov 2020 20:26

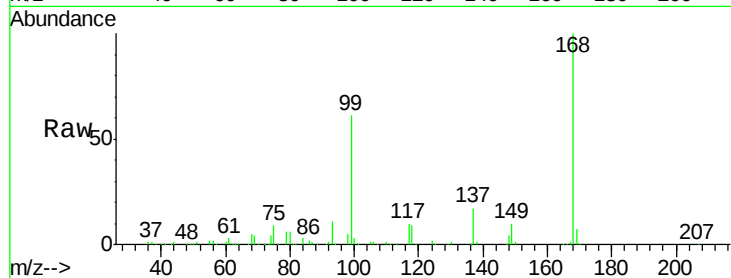
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 279610

Ion Ratio Lower Upper

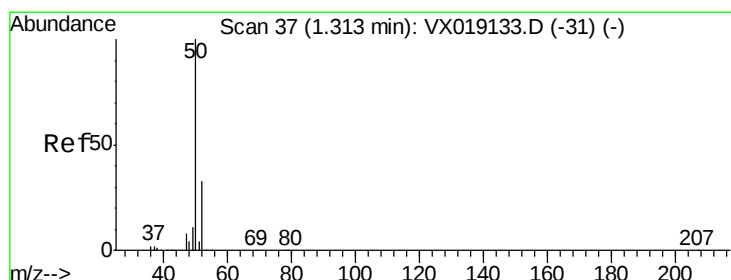
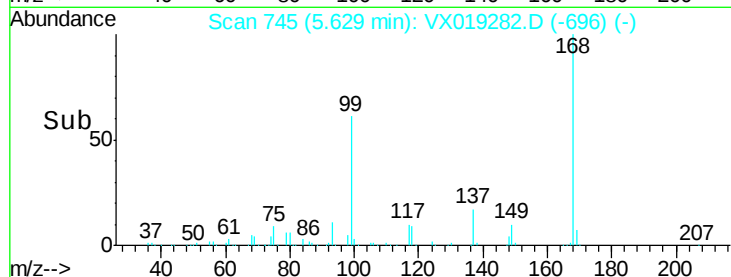
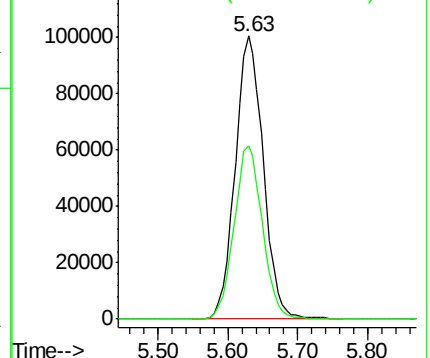
168 100

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



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019282.D

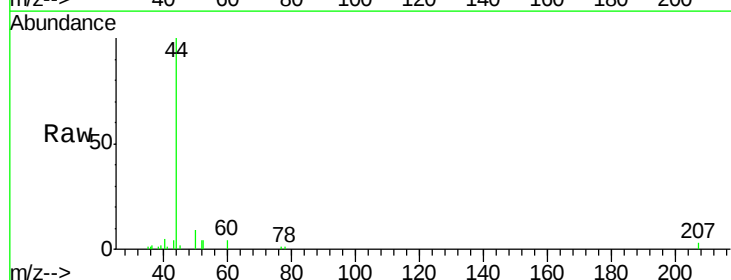
Acq: 04 Nov 2020 20:26

Tgt Ion: 50 Resp: 529

Ion Ratio Lower Upper

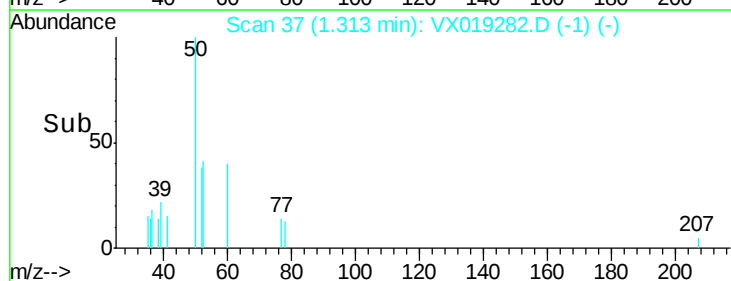
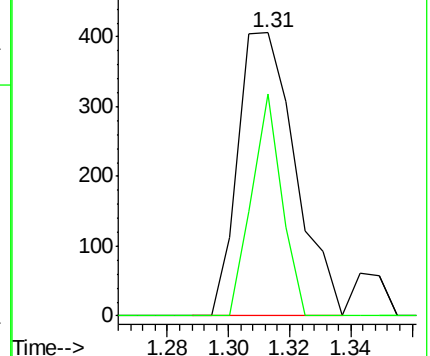
50 100

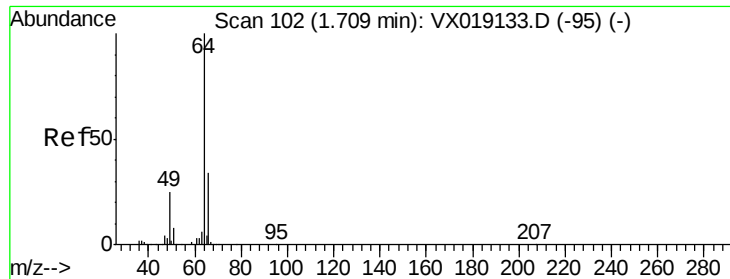
52 78.6 26.8 40.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 1.630 ug/l

RT: 1.68 min Scan# 97

Delta R.T. -0.03 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

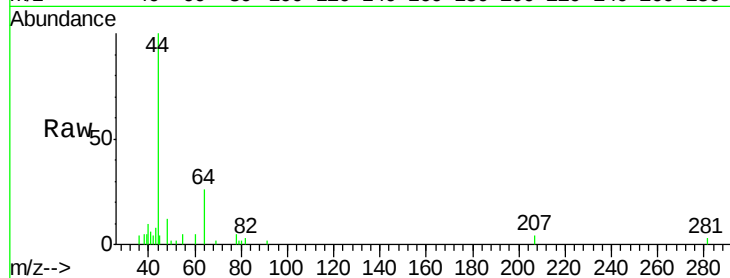
ClientSampled :

Tot Ion: 64 Resp: 3144

Ion Ratio Lower Upper

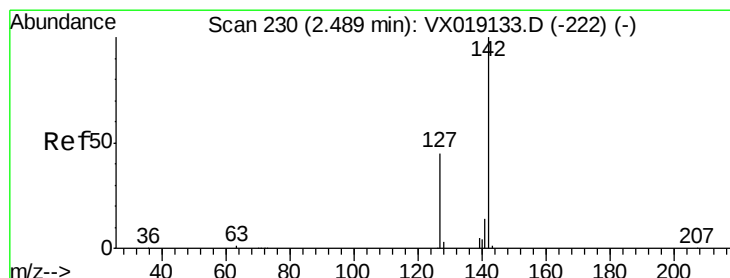
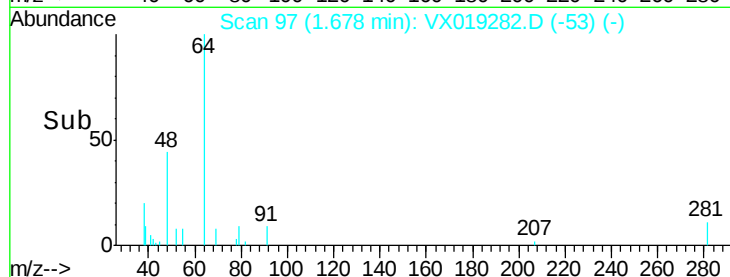
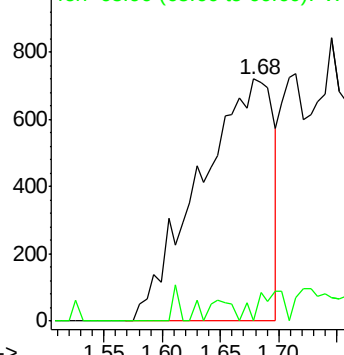
64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.438 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

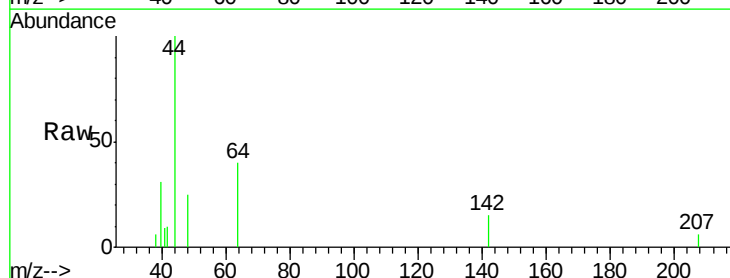
Tgt Ion: 142 Resp: 210

Ion Ratio Lower Upper

142 100

127 42.9 36.1 54.1

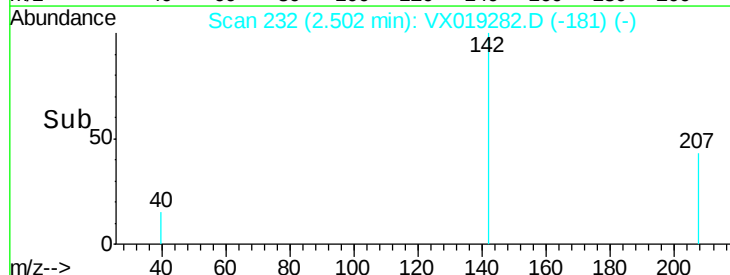
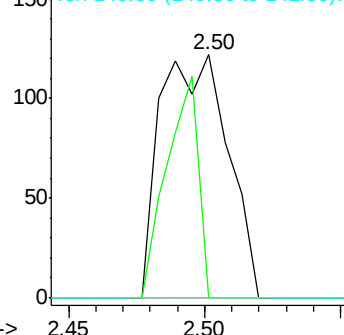
141 0.0 11.3 16.9#

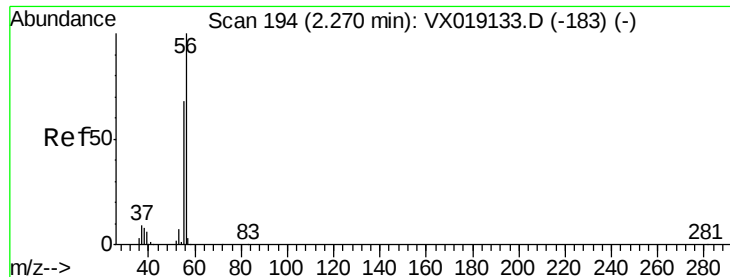


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 5.921 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

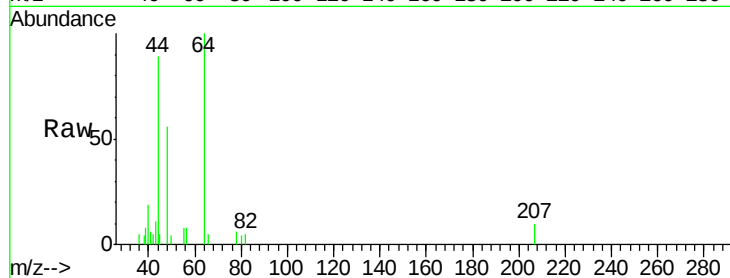
ClientSampled :

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

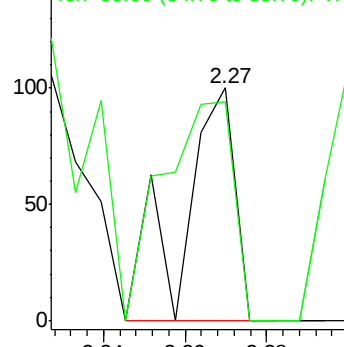
56 100

55 129.2 54.7 82.1#

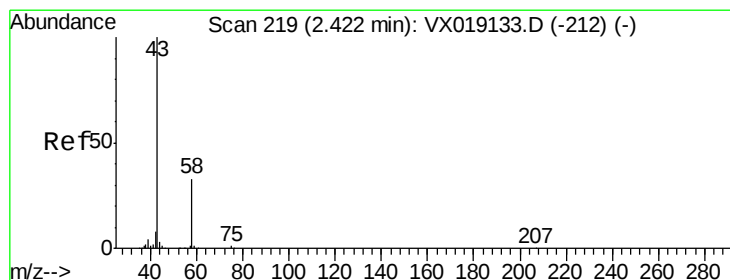
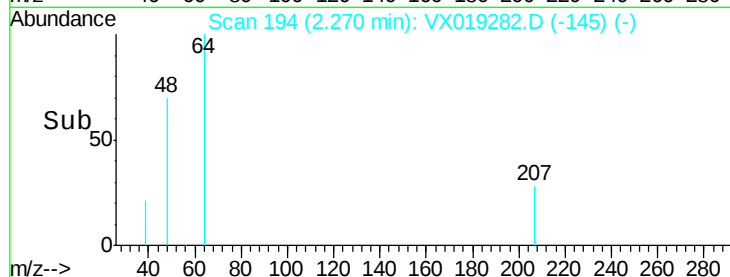


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 5.823 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019282.D

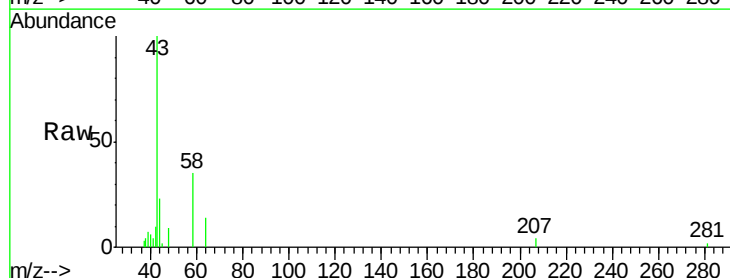
Acq: 04 Nov 2020 20:26

Tgt Ion: 43 Resp: 7244

Ion Ratio Lower Upper

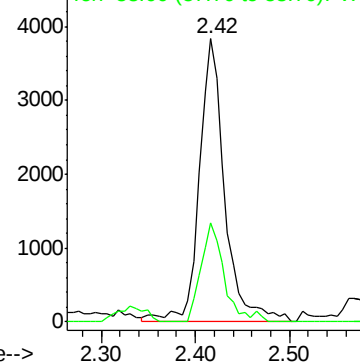
43 100

58 35.1 26.3 39.5

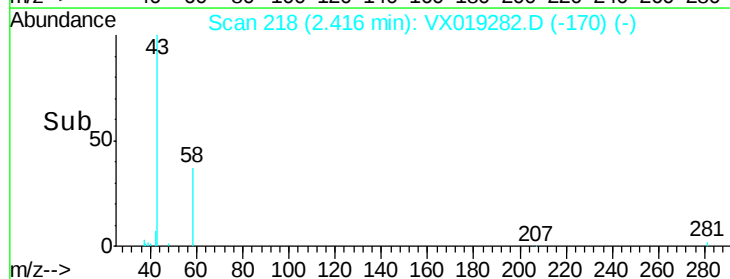


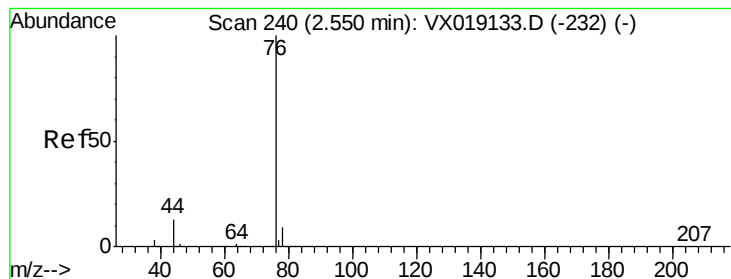
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 1.185 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

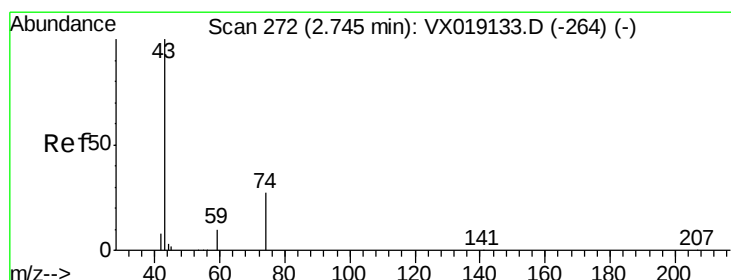
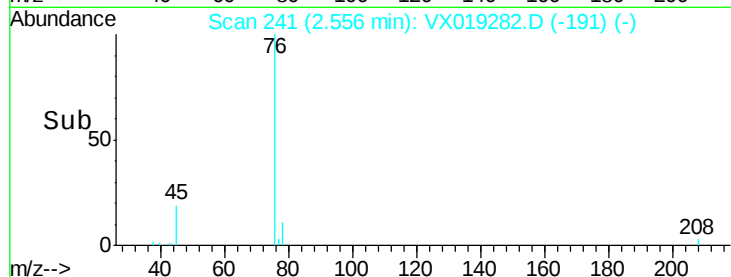
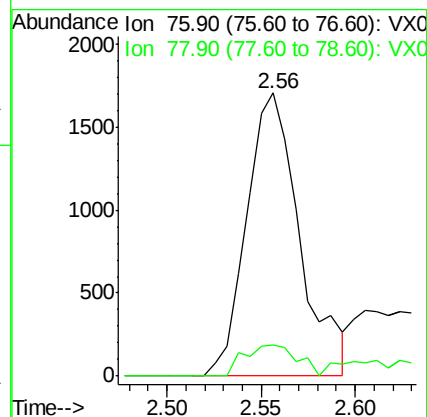
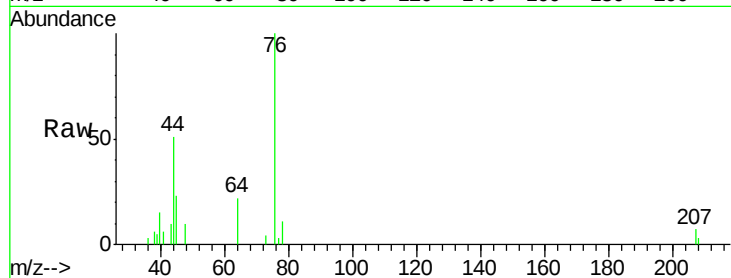
ClientSampleId :

Tot Ion: 76 Resp: 3337

Ion Ratio Lower Upper

76 100

78 10.9 7.3 10.9#



#18

Methyl Acetate

Concen: 0.231 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019282.D

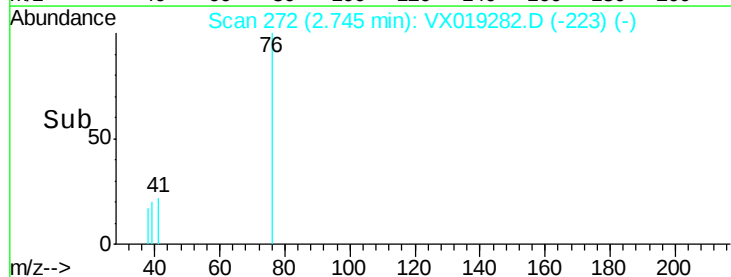
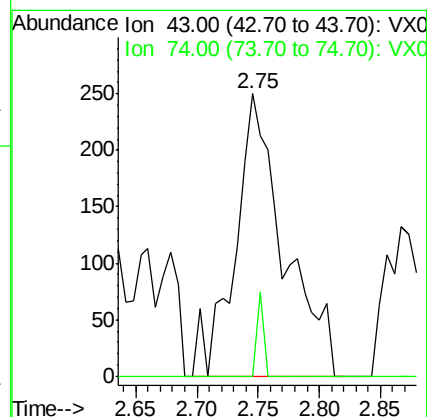
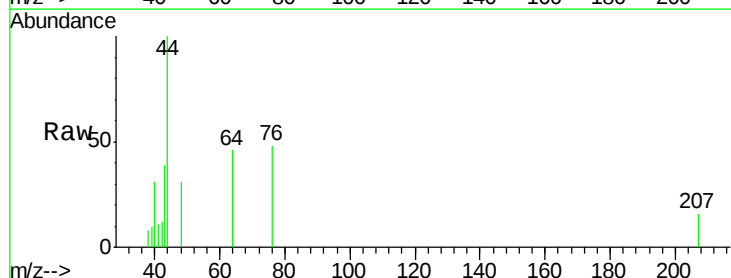
Acq: 04 Nov 2020 20:26

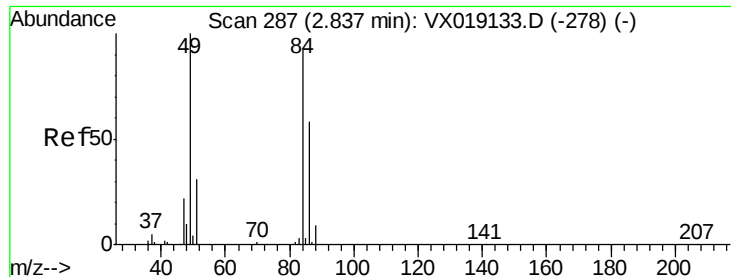
Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

74 3.9 22.6 33.8#

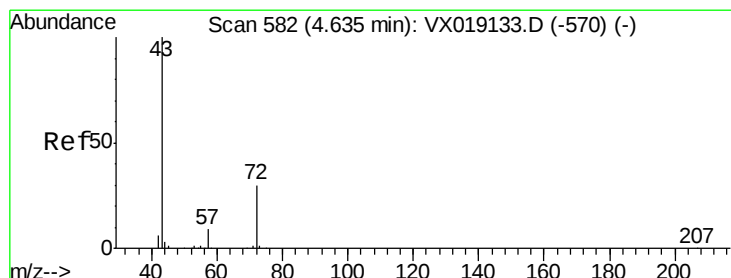
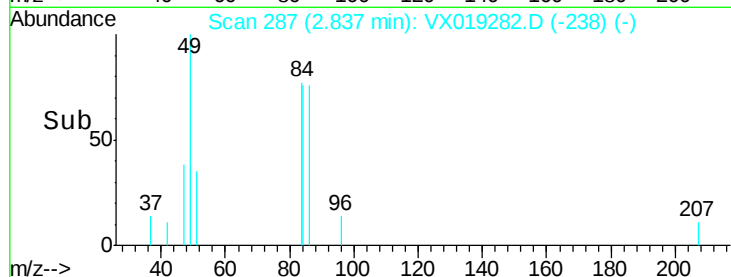
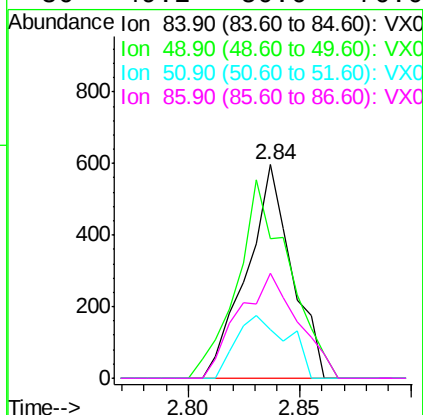
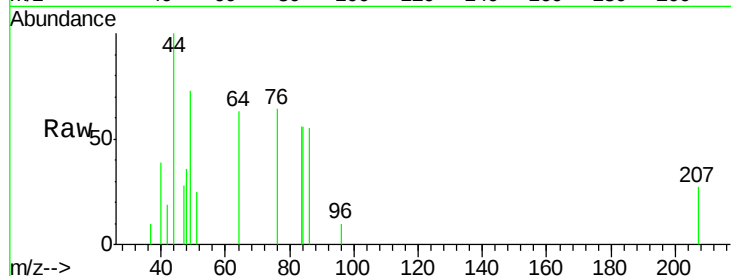




#20
Methvlene Chloride
Concen: 0.269 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

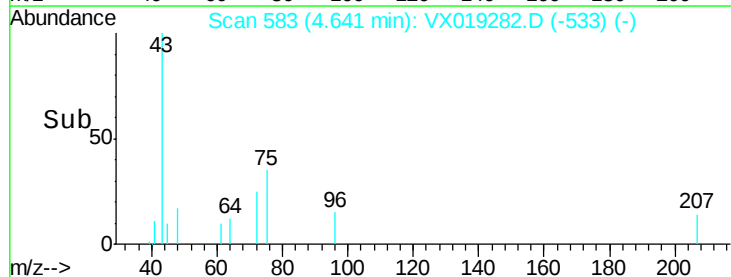
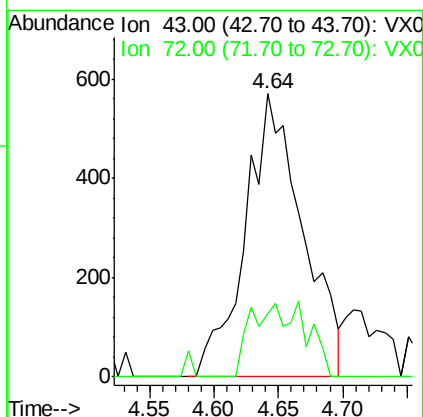
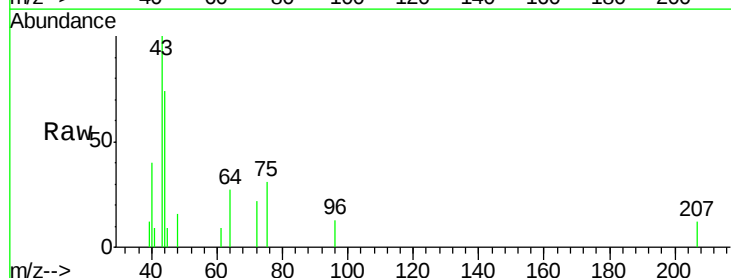
Instrument :
MSVOA_X
ClientSampleId :

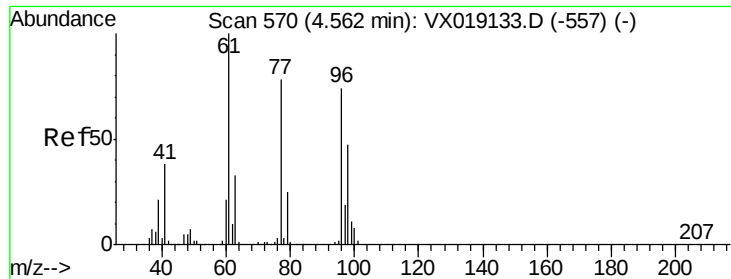
Tot Ion: 84 Resp: 839
Ion Ratio Lower Upper
84 100
49 65.2 86.8 130.2#
51 22.6 27.3 40.9#
86 49.2 50.6 76.0#



#25
2-Butanone
Concen: 0.901 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
72 22.4 24.6 36.8#



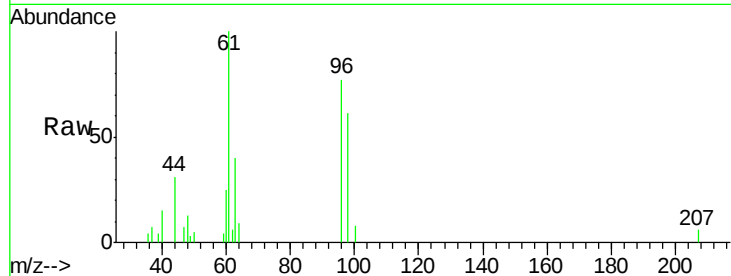


#27

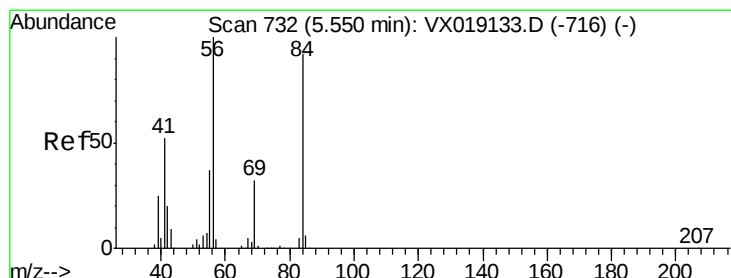
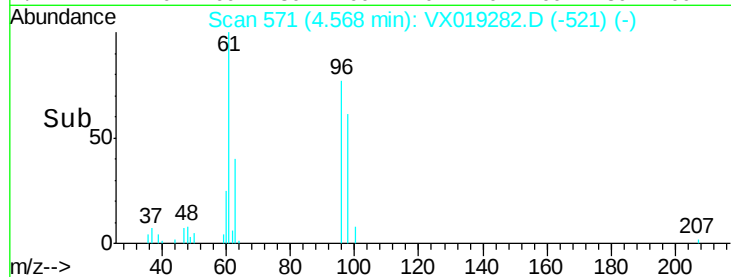
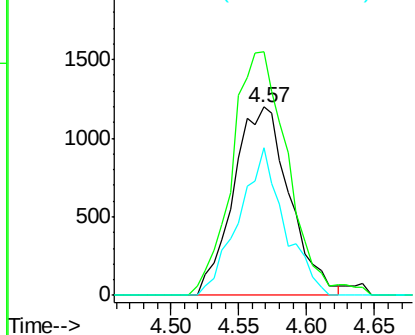
cis-1,2-Dichloroethene
Concen: 0.993 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	278.8
98	63.3	0.0	130.2



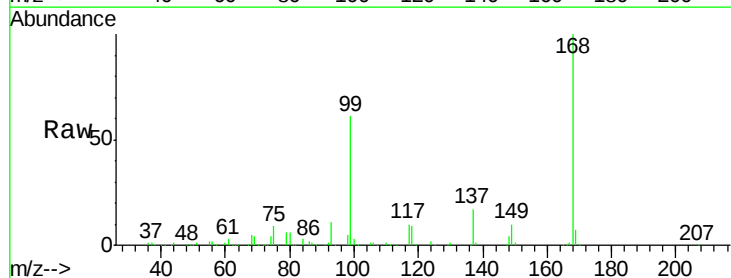
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



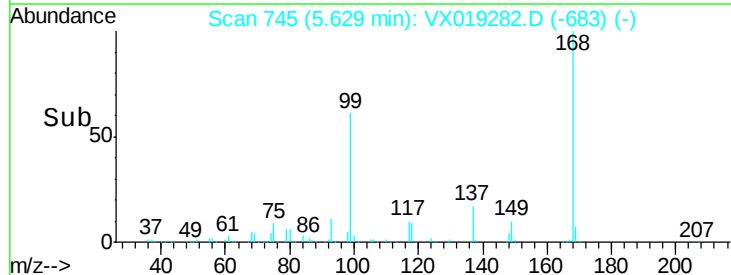
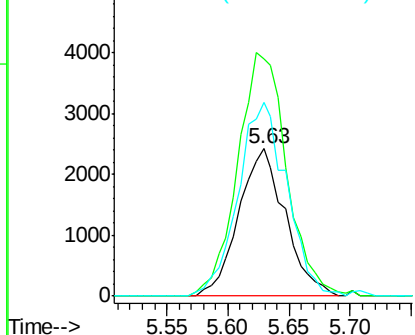
#31

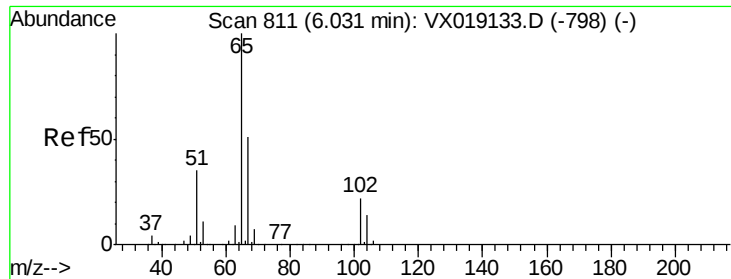
Cyclohexane
Concen: 1.409 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	161.5	25.9	38.9#
84	131.7	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: 55.019 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

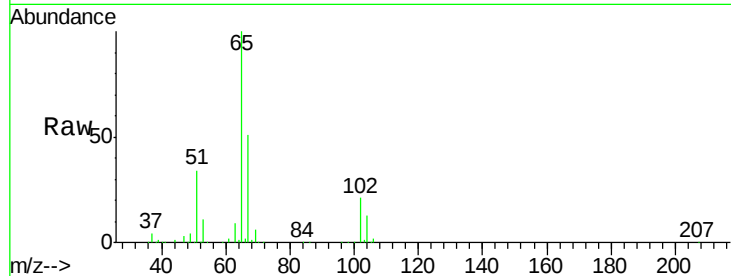
ClientSampleId :

Tot Ion: 65 Resp: 198392

Ion Ratio Lower Upper

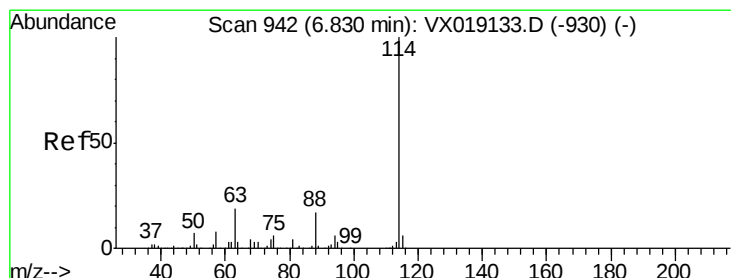
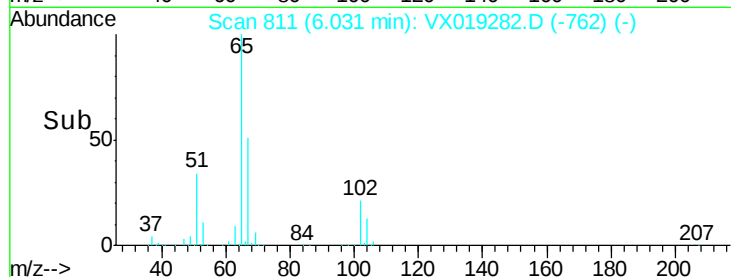
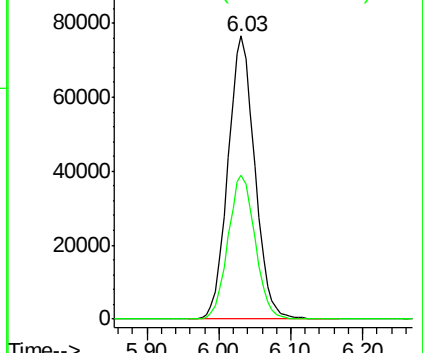
65 100

67 51.4 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: VX019282.D

Acq: 04 Nov 2020 20:26

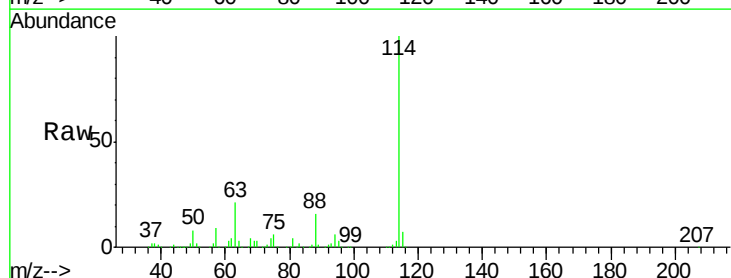
Tgt Ion: 114 Resp: 498998

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

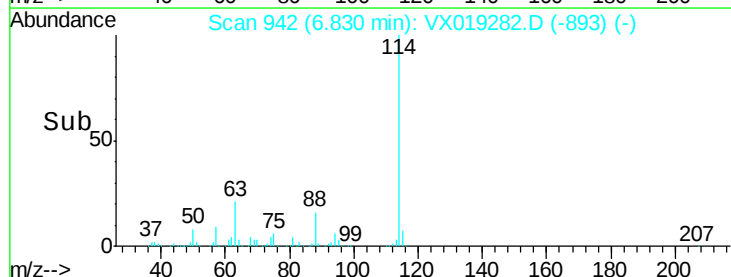
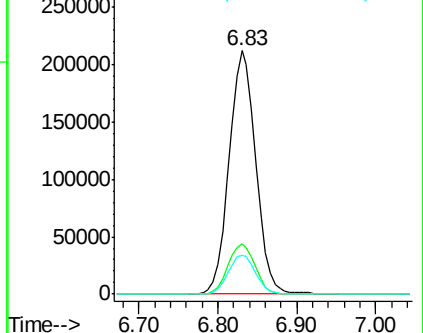
88 15.8 0.0 34.2

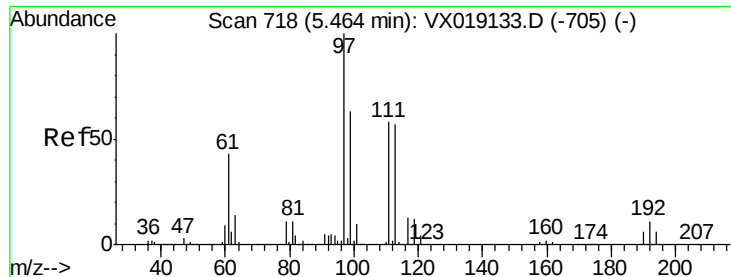


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

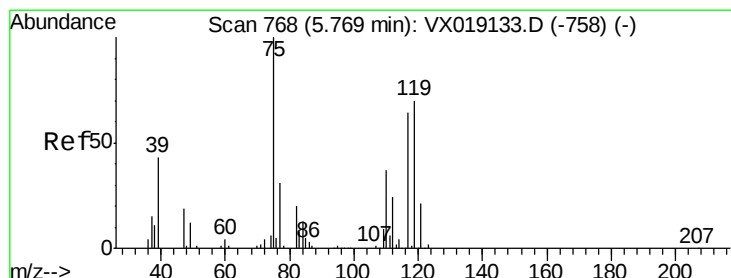
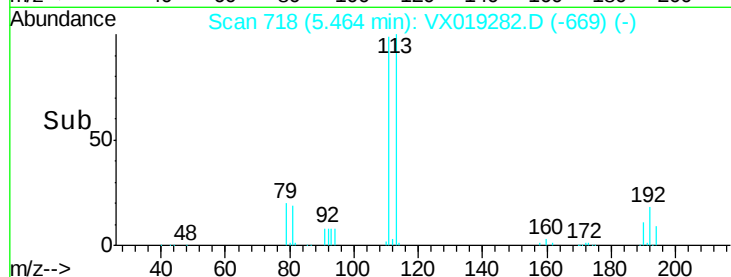
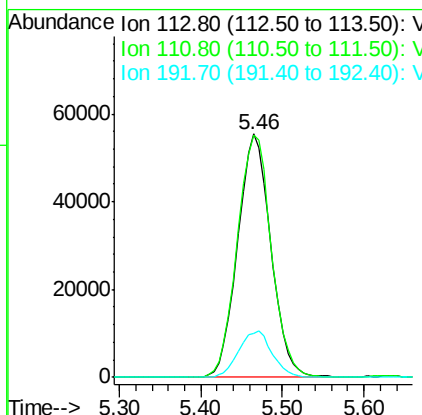
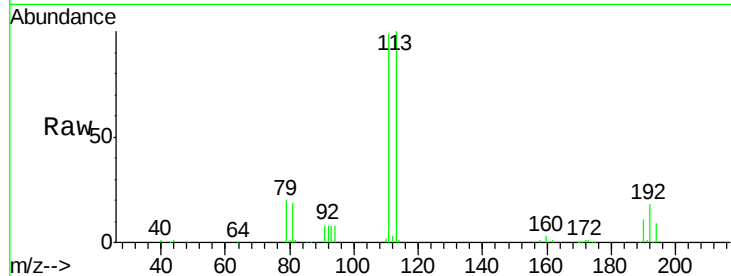




#35
 Dibromofluoromethane
 Concen: 49.975 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019282.D
 Acq: 04 Nov 2020 20:26

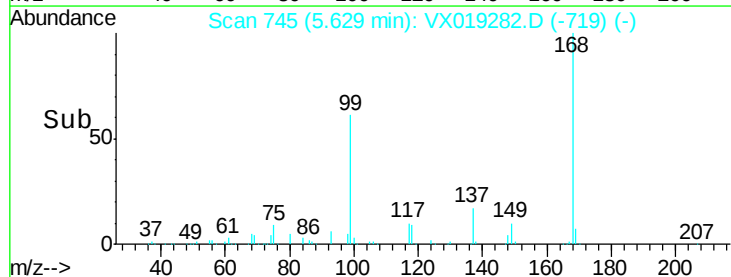
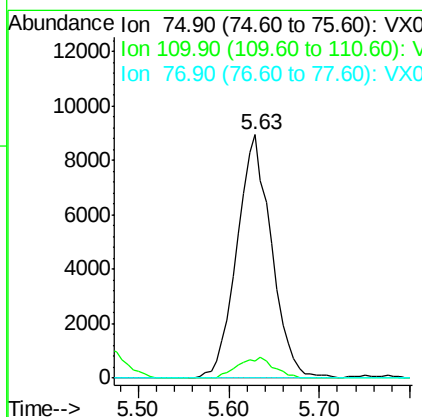
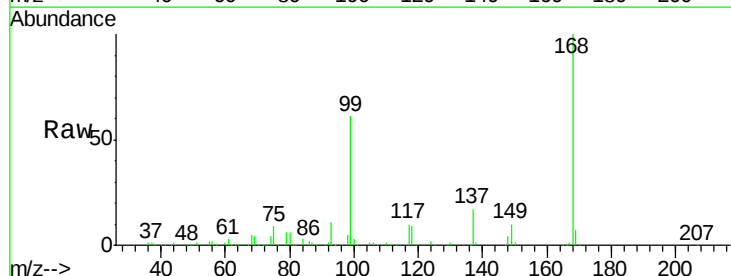
Instrument :
 MSVOA_X
 ClientSampleId :

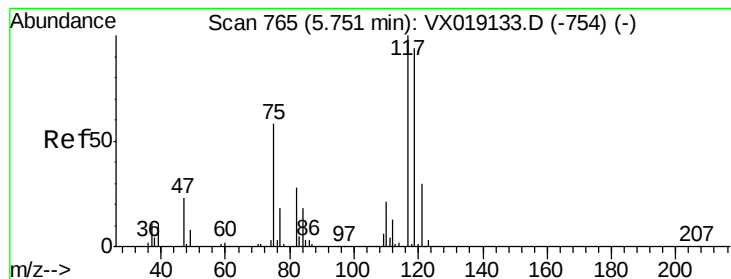
Tot Ion:113 Resp: 156640
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 19.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019282.D
 Acq: 04 Nov 2020 20:26

Tgt Ion: 75 Resp: 23687
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.241 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

ClientSampled :

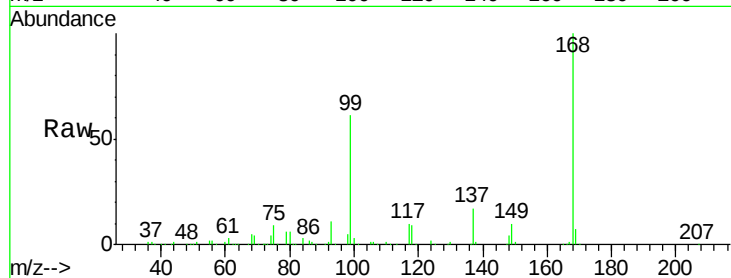
Tot Ion:117 Resp: 29315

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

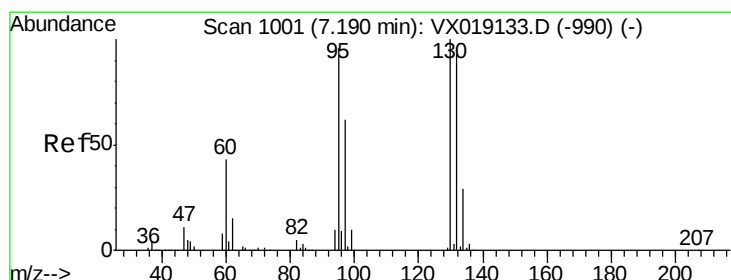
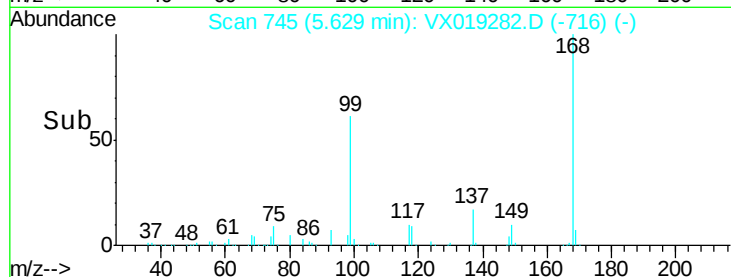
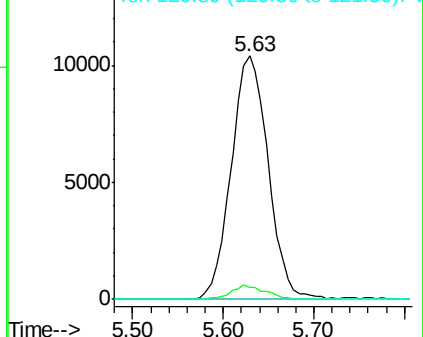
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 0.944 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019282.D

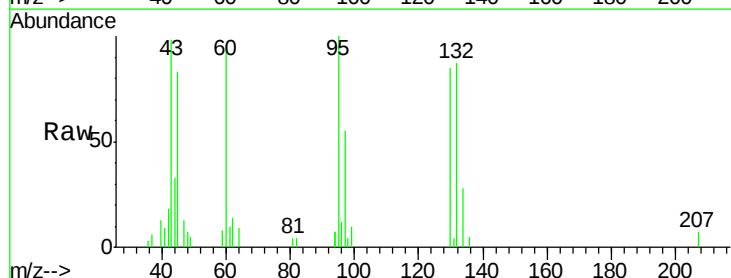
Acq: 04 Nov 2020 20:26

Tgt Ion:130 Resp: 3533

Ion Ratio Lower Upper

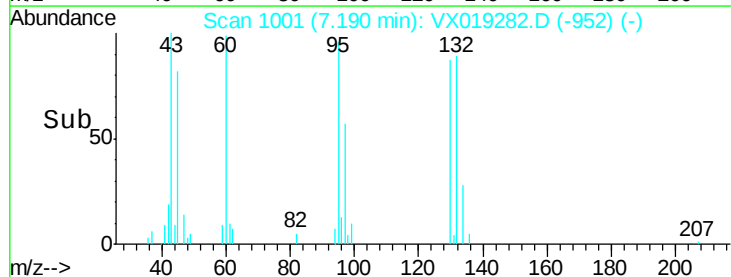
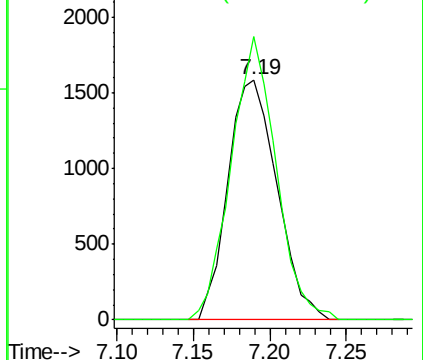
130 100

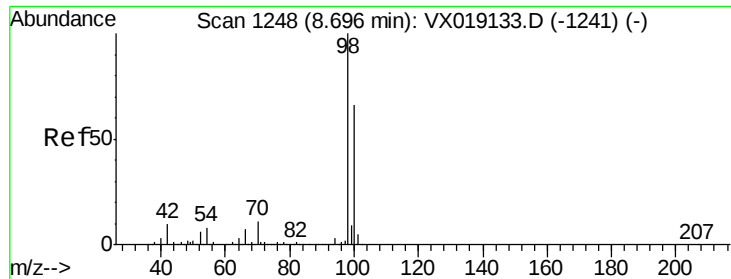
95 117.7 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

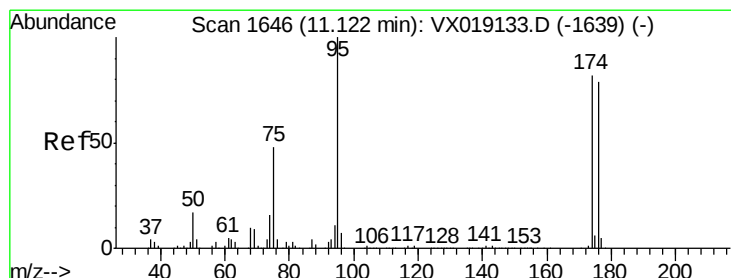
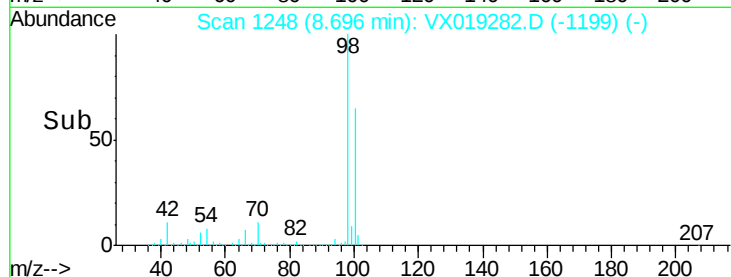
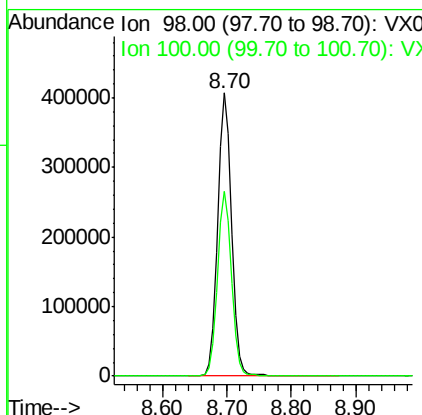
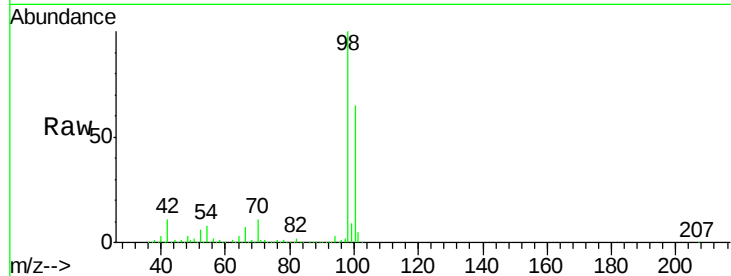




#50
Toluene-d8
Concen: 52.790 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

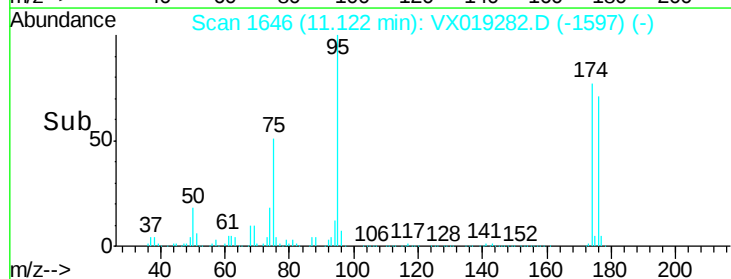
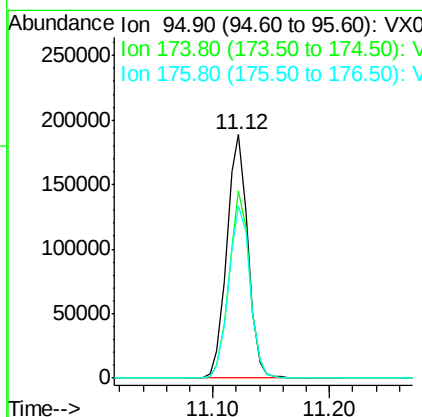
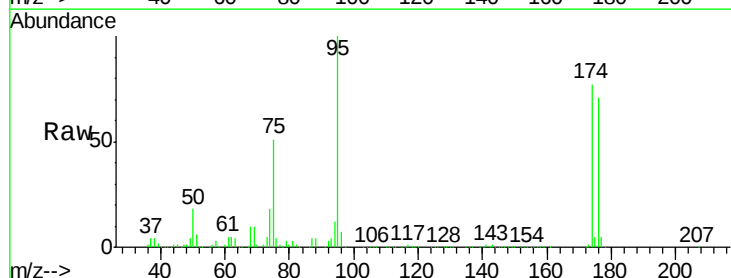
Instrument :
MSVOA_X
ClientSampleId :

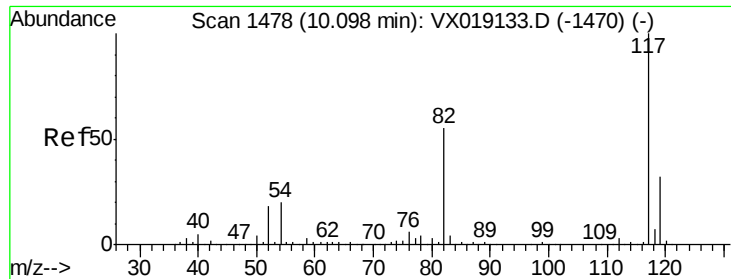
Tot Ion: 98 Resp: 623743
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 52.990 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Tgt Ion: 95 Resp: 237112
Ion Ratio Lower Upper
95 100
174 75.5 0.0 156.0
176 72.2 0.0 149.8

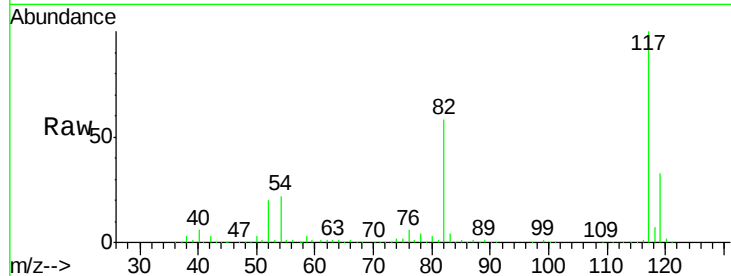




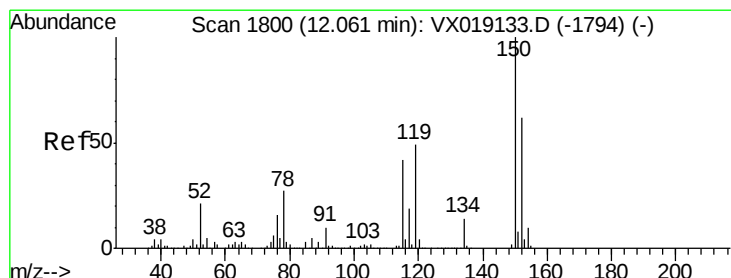
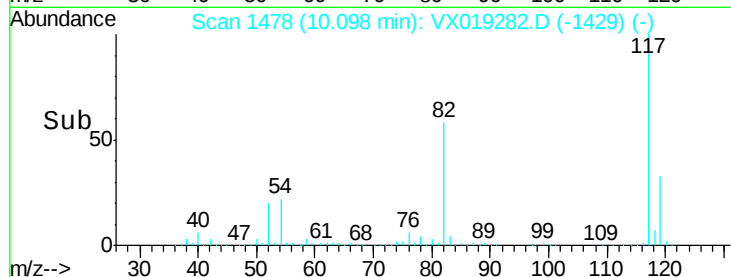
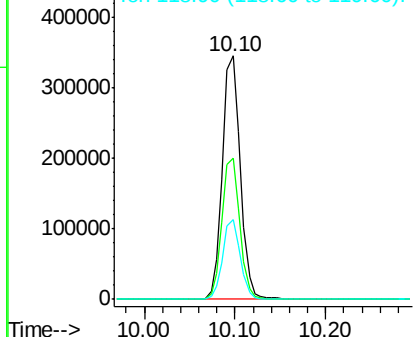
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 476426
Ion Ratio Lower Upper
117 100
82 57.9 43.6 65.4
119 32.7 25.5 38.3

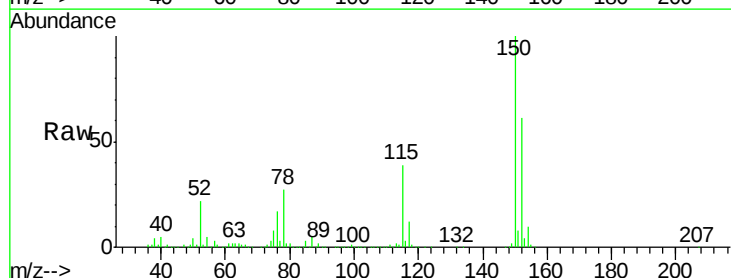


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

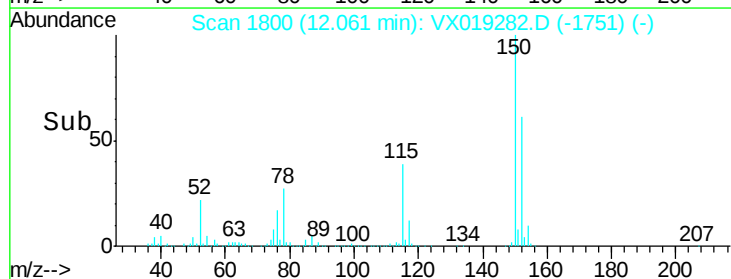
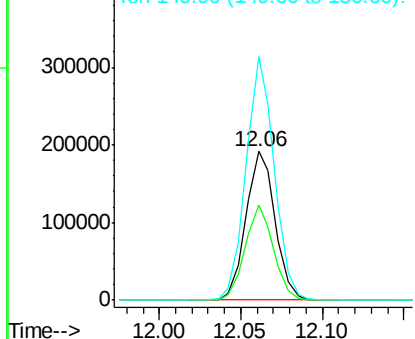


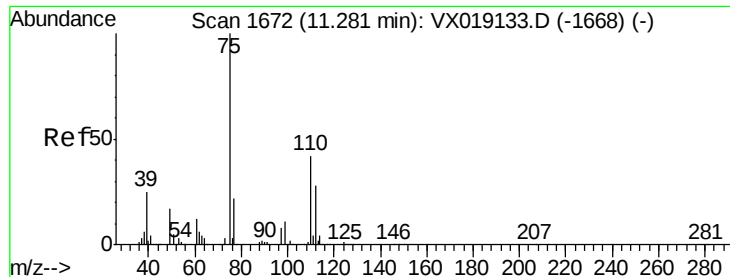
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019282.D
Acq: 04 Nov 2020 20:26

Tgt Ion:152 Resp: 238618
Ion Ratio Lower Upper
152 100
115 61.8 41.9 125.7
150 159.0 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: 24.898 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

Instrument :

MSVOA_X

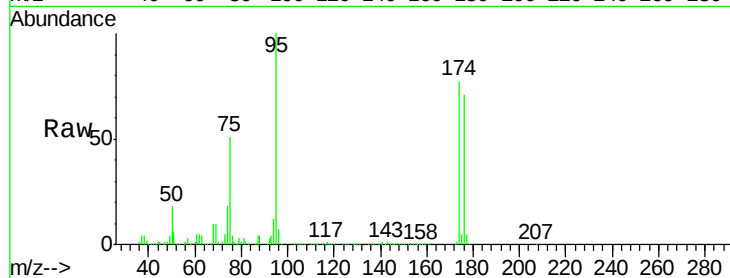
ClientSampleId :

Tot Ion: 75 Resp: 122673

Ion Ratio Lower Upper

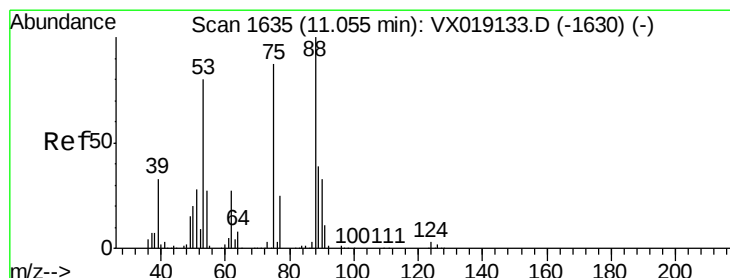
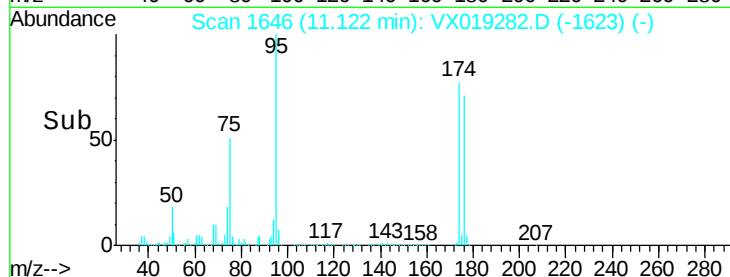
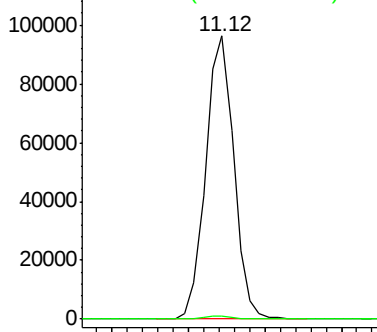
75 100

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: 65.557 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019282.D

Acq: 04 Nov 2020 20:26

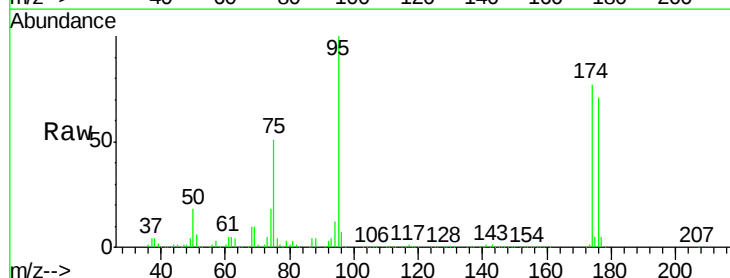
Tgt Ion: 75 Resp: 122673

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

