

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019323.D
 Acq On : 05 Nov 2020 18:40
 Operator : JC/MD
 Sample : L4634-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 01:10:05 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	257999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206984	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	188929	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	5.46	113	147015	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.70	98	564779	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	211911	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

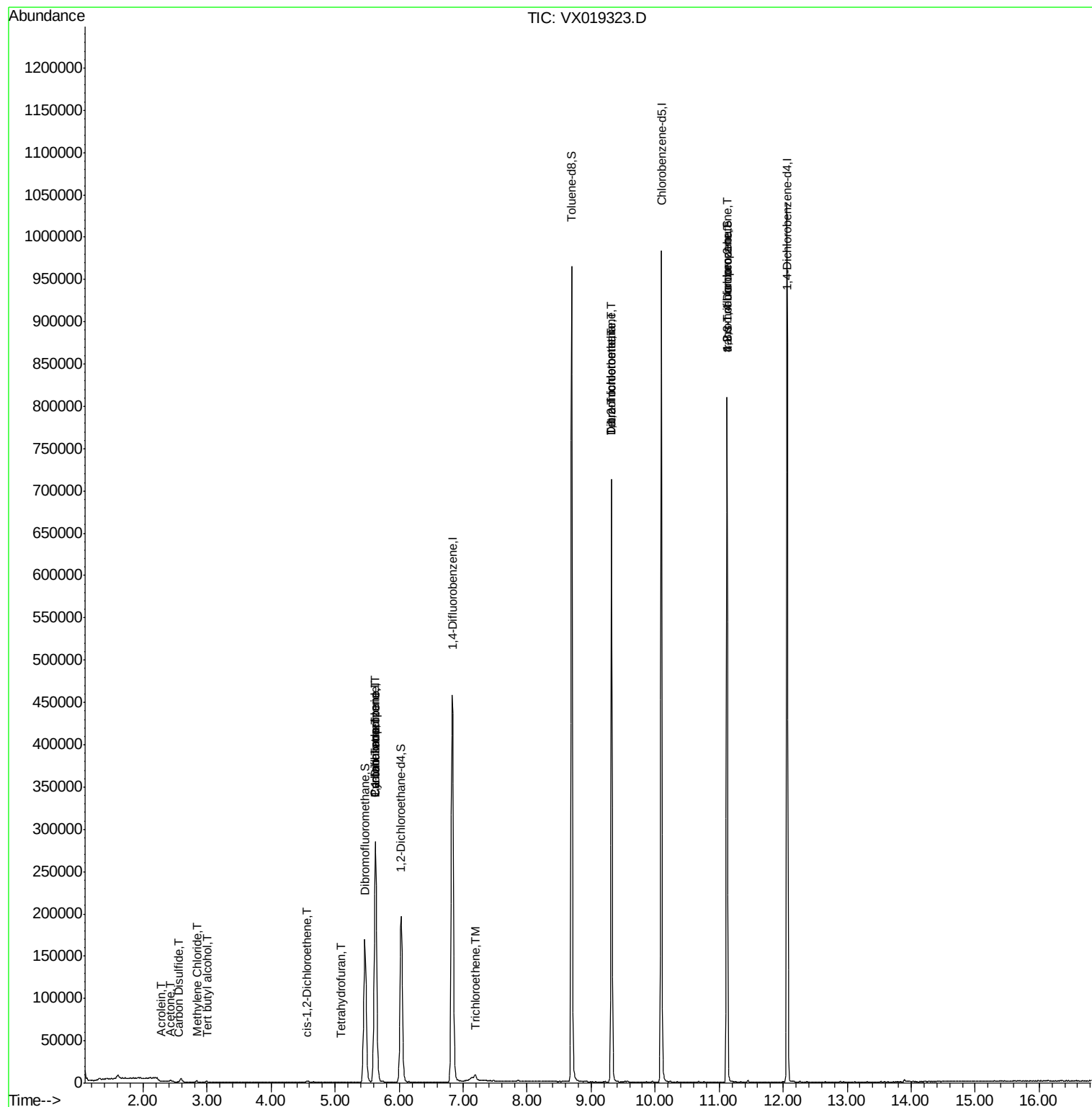
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	545	0.829	ug/l #	72
13) Acrolein	2.28	56	80	5.914	ug/l #	16
16) Acetone	2.42	43	1807	1.574	ug/l	99
17) Carbon Disulfide	2.56	76	327	0.805	ug/l #	75
20) Methylene Chloride	2.84	84	730	0.253	ug/l	85
27) cis-1,2-Dichloroethene	4.57	96	1029	0.320	ug/l	83
29) Tetrahydrofuran	5.10	42	241	0.211	ug/l #	26
31) Cyclohexane	5.63	56	6025	1.433	ug/l #	17
36) 1,1-Dichloropropene	5.63	75	21444	4.995	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27684	6.327	ug/l #	17
44) Trichloroethene	7.19	130	1953	0.560	ug/l	91
55) 1,1,2-Trichloroethane	9.32	97	1147	0.370	ug/l #	1
60) Dibromochloromethane	9.32	129	125408	37.308	ug/l #	11
64) Tetrachloroethene	9.32	164	129895	39.638	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	110223	25.791	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110223	67.906	ug/l #	12

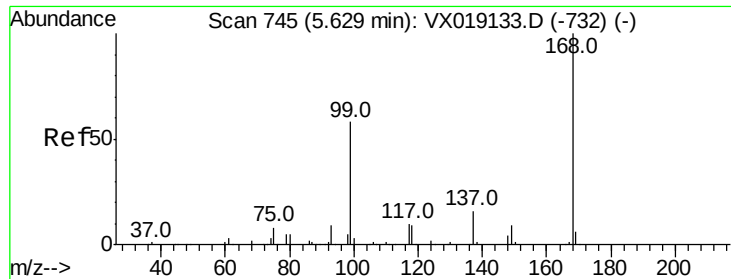
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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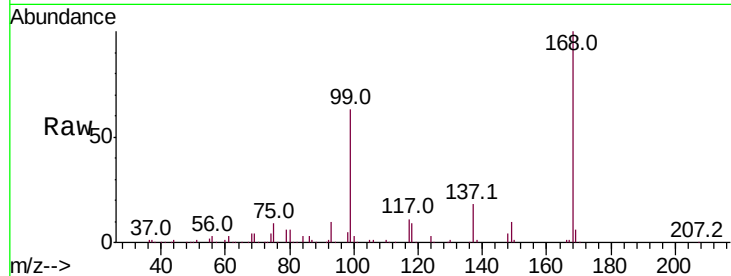


#1

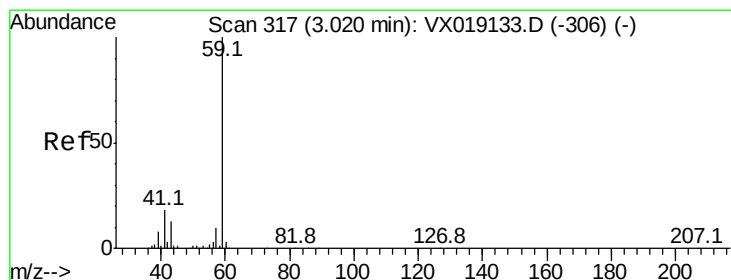
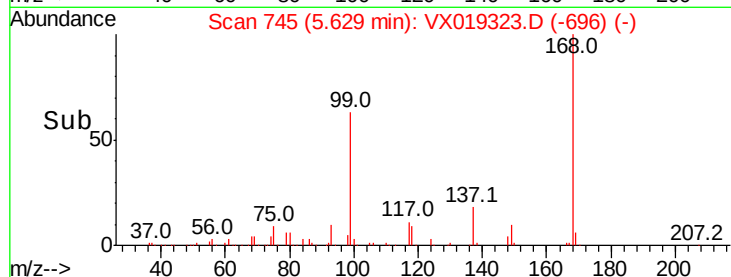
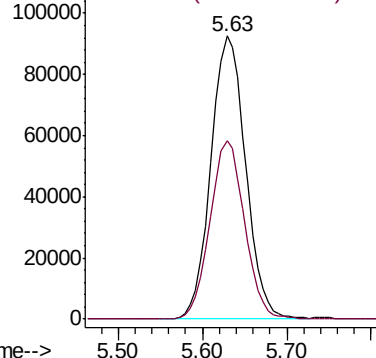
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 257999
 Ion Ratio Lower Upper
 168 100
 99 62.8 46.6 69.8



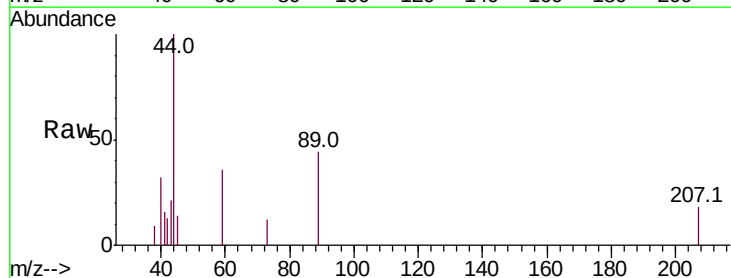
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



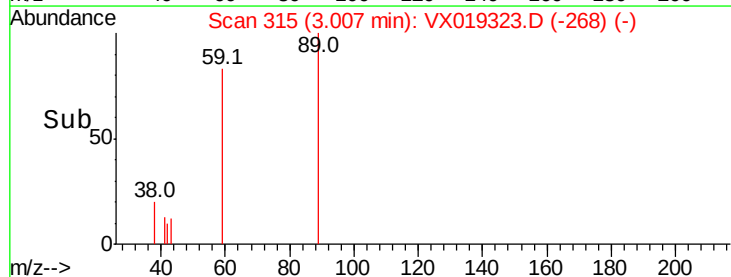
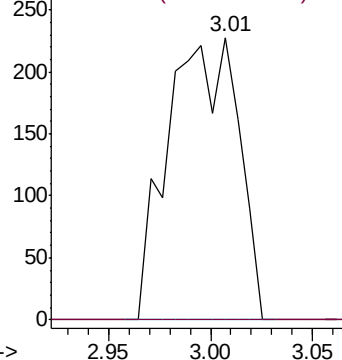
#11

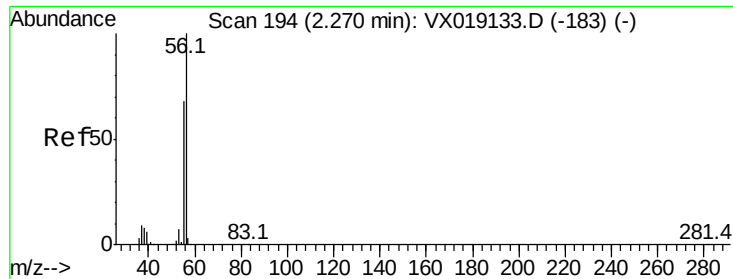
Tert butyl alcohol
 Concen: 0.829 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Tgt Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.914 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

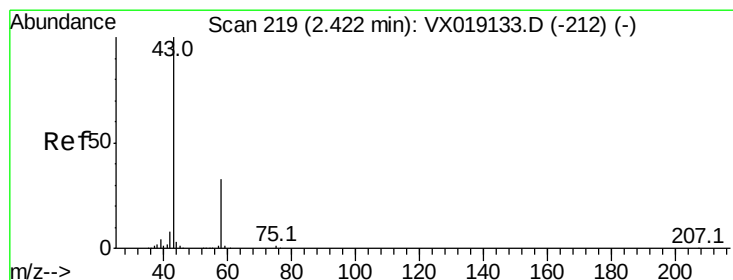
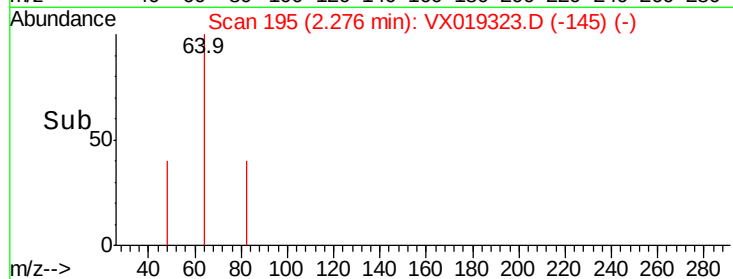
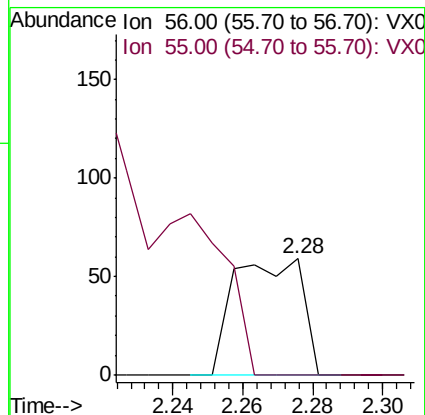
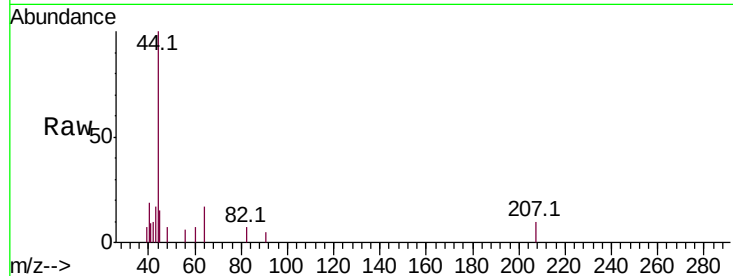
ClientSampleId :

Tot Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 1.574 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019323.D

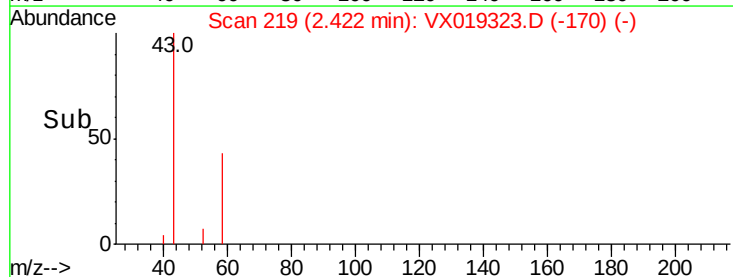
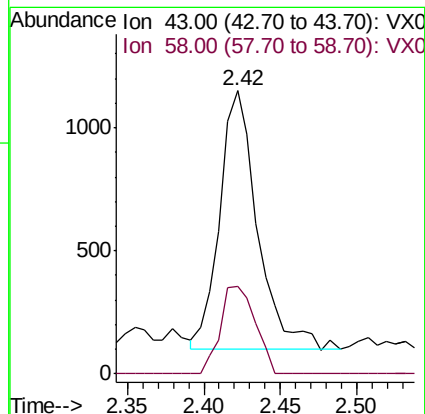
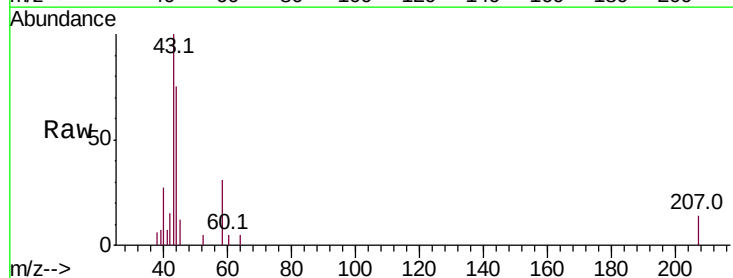
Acq: 05 Nov 2020 18:40

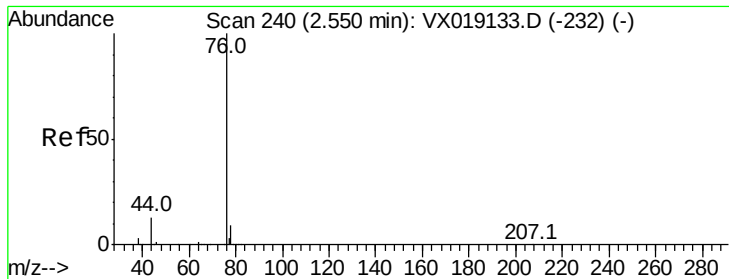
Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5





#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

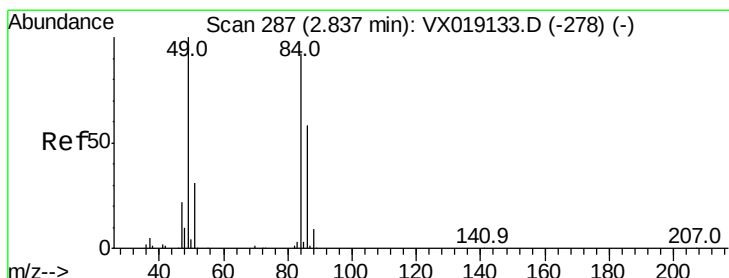
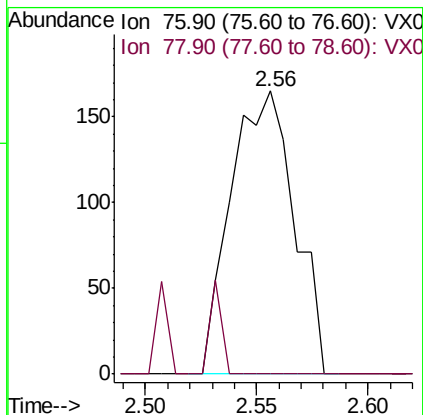
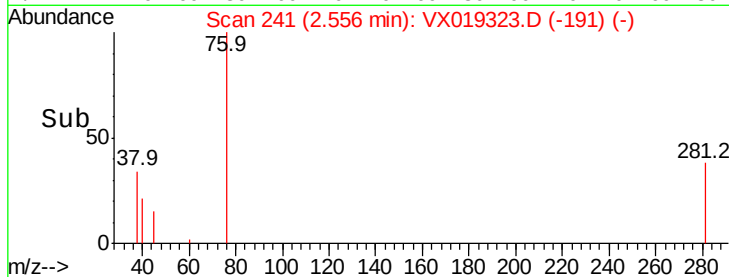
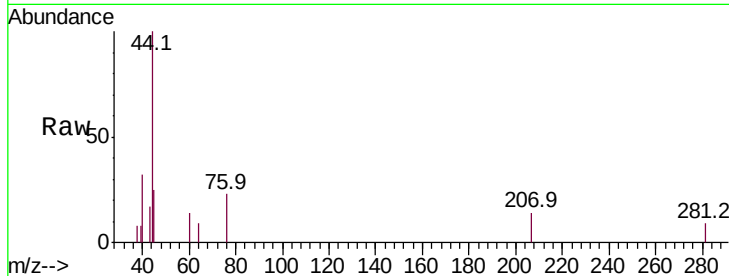
ClientSampleId :

Tot Ion: 76 Resp: 327

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Tgt Ion: 84 Resp: 730

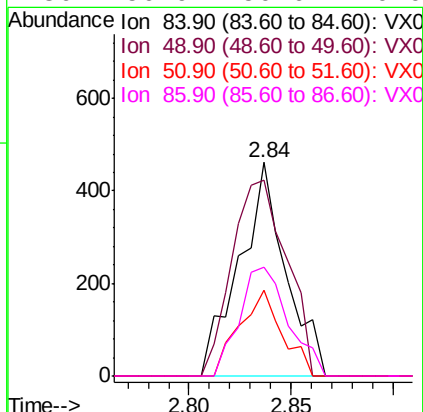
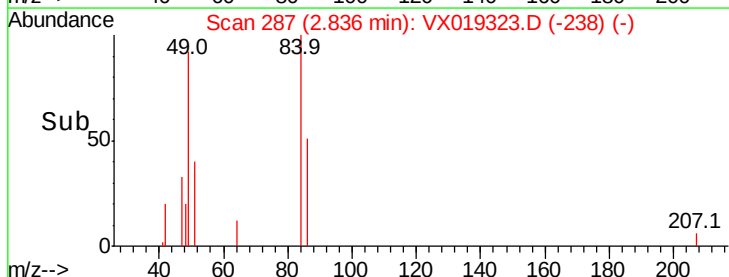
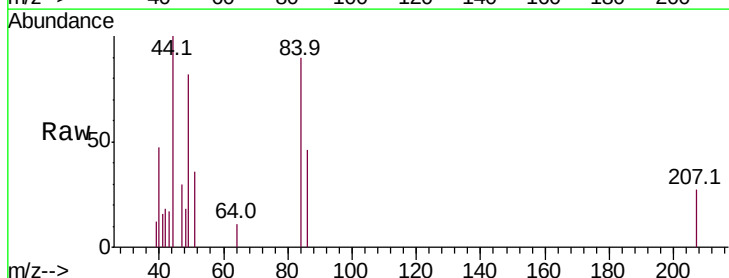
Ion Ratio Lower Upper

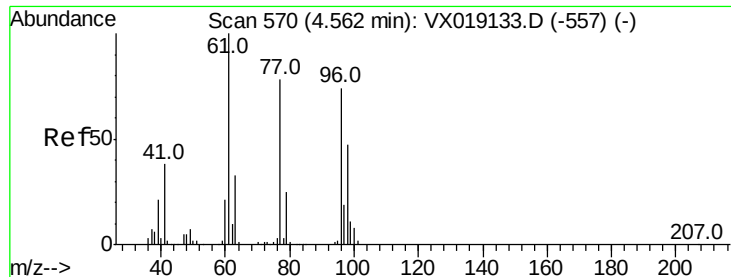
84 100

49 91.6 86.8 130.2

51 40.0 27.3 40.9

86 50.9 50.6 76.0



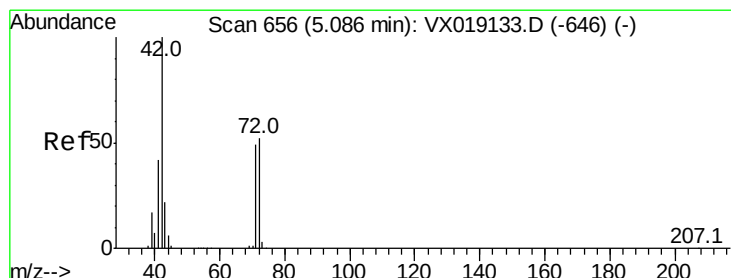
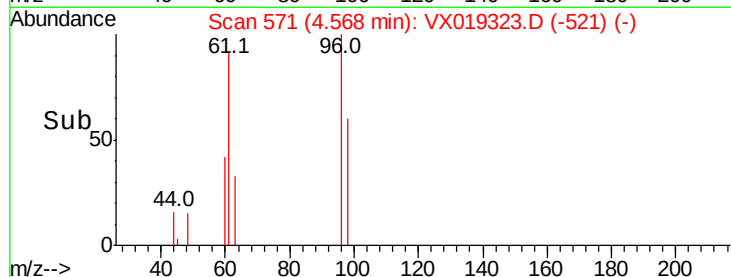
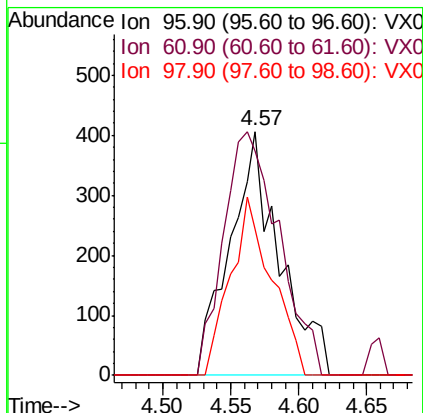
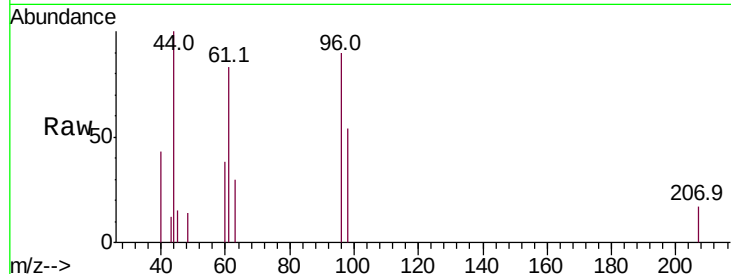


#27

cis-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

Instrument :
MSVOA_X
ClientSampled :

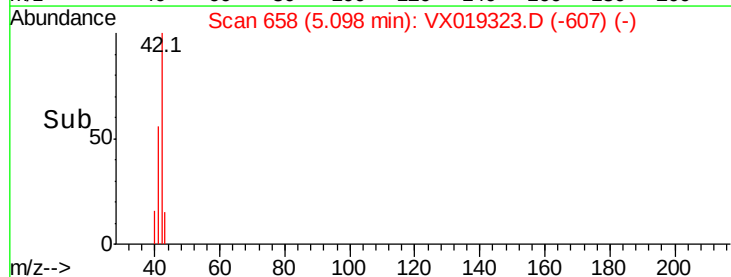
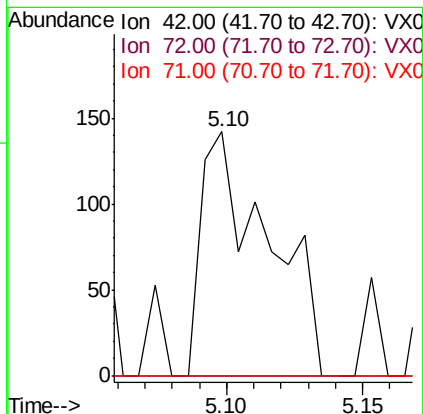
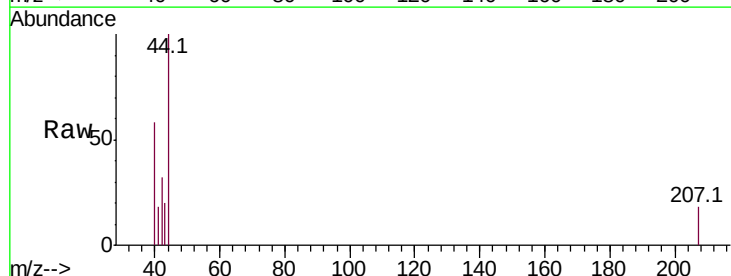
Tot Ion	96	Resp	1029
Ion	Ratio	Lower	Upper
96	100		
61	112.1	0.0	278.8
98	61.6	0.0	130.2

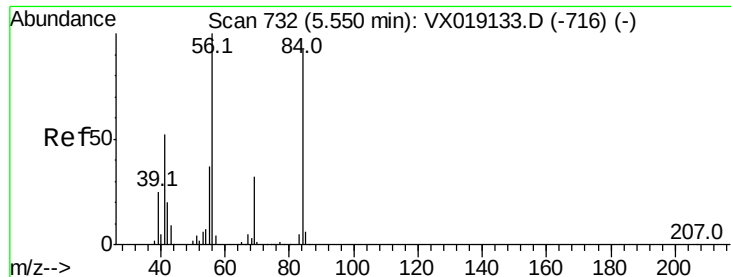


#29

Tetrahydrofuran
Concen: 0.211 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

Tgt Ion	42	Resp	241
Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.6	63.8#
71	0.0	39.7	59.5#





#31

Cyclohexane

Concen: 1.433 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampled :

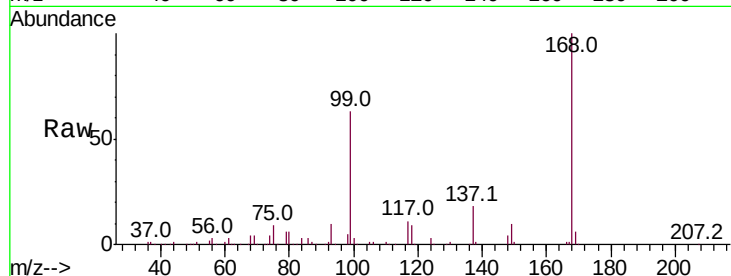
Tot Ion: 56 Resp: 6025

Ion Ratio Lower Upper

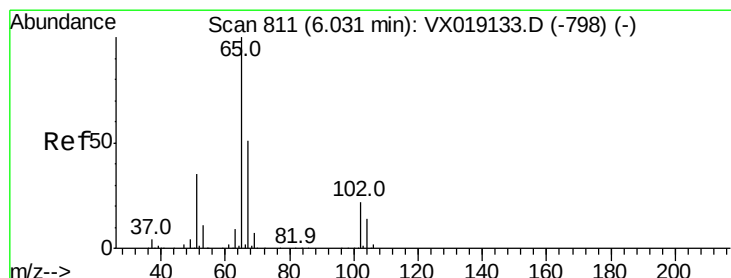
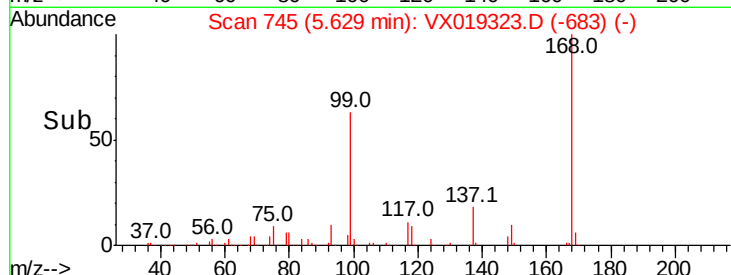
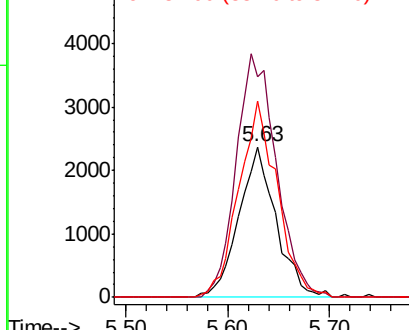
56 100

69 146.6 25.9 38.9#

84 129.8 73.4 110.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.783 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019323.D

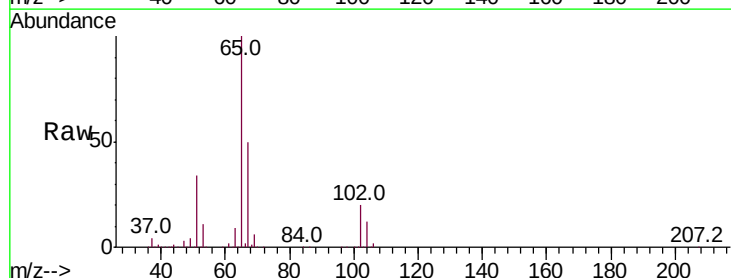
Acq: 05 Nov 2020 18:40

Tgt Ion: 65 Resp: 188929

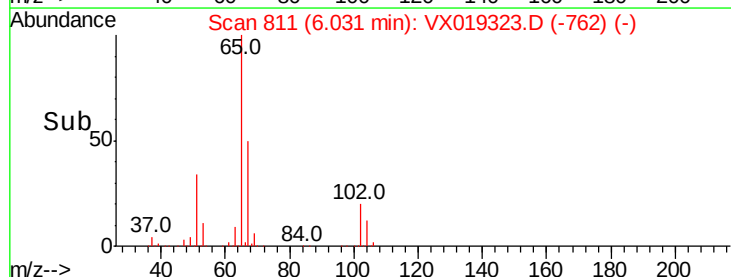
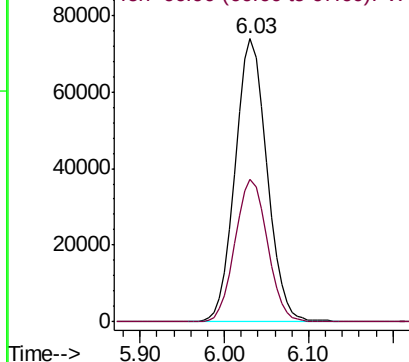
Ion Ratio Lower Upper

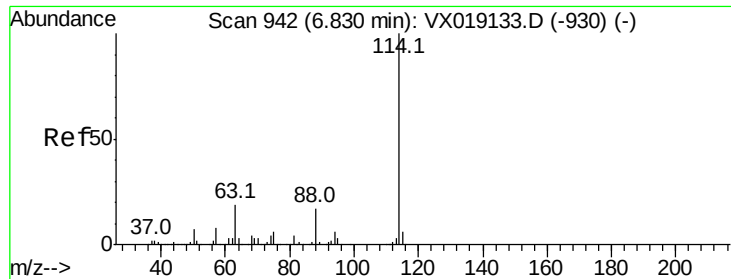
65 100

67 51.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

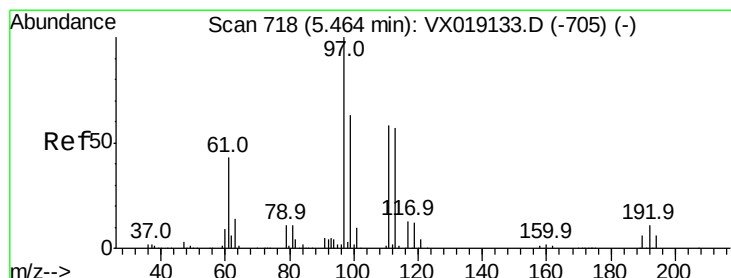
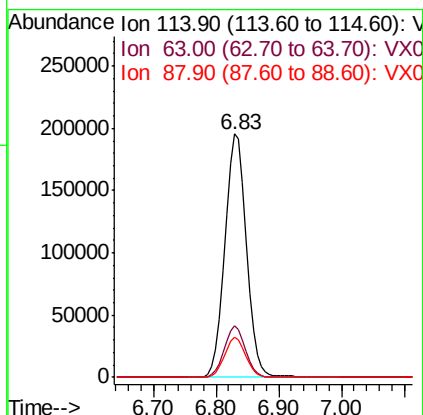
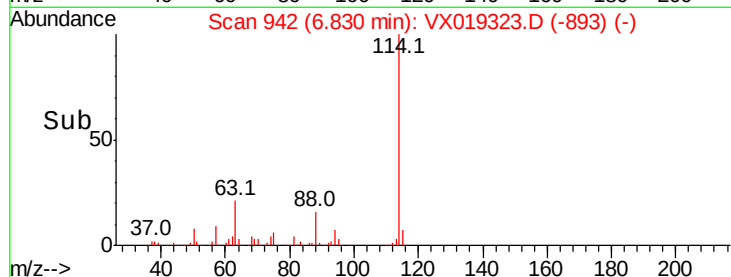
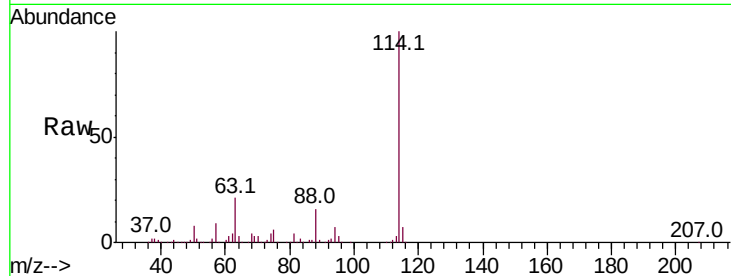




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

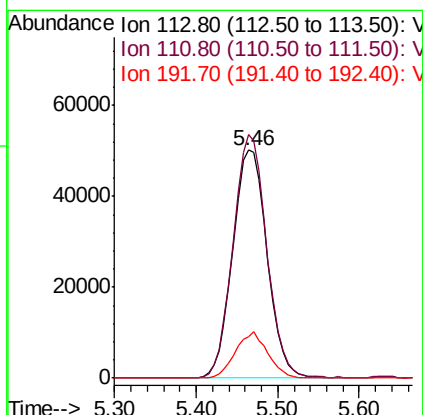
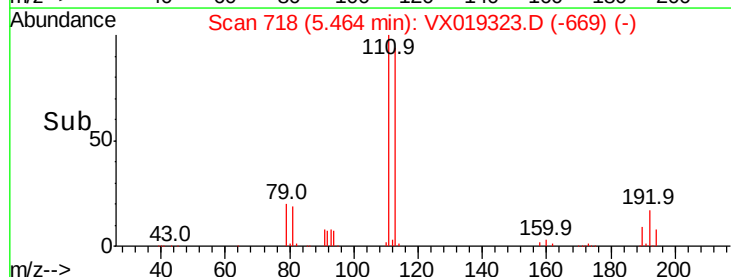
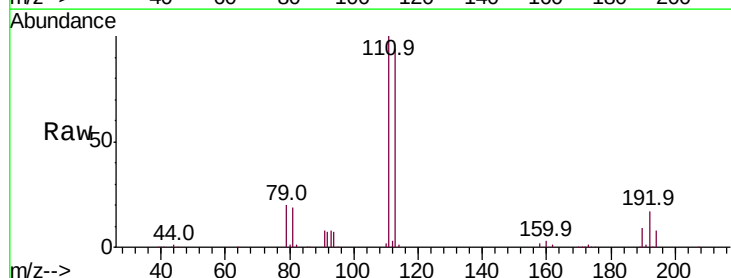
Instrument :
 MSVOA_X
 ClientSampleId :

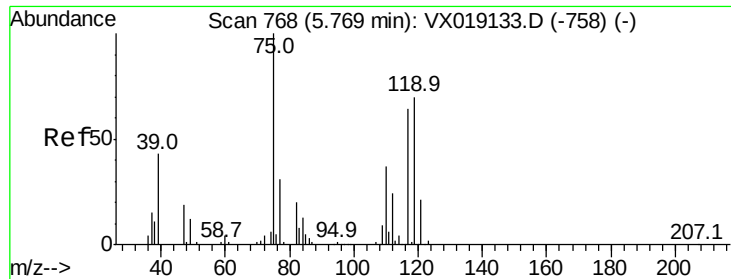
Tot Ion:114 Resp: 464879
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 38.8
 88 16.4 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 50.346 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019323.D
 Acq: 05 Nov 2020 18:40

Tgt Ion:113 Resp: 147015
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.3 123.5
 192 19.0 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampled :

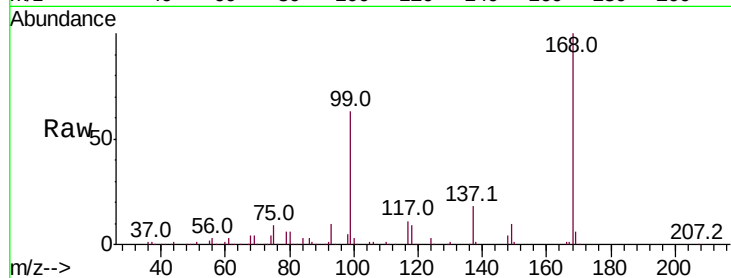
Tot Ion: 75 Resp: 21444

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.9#

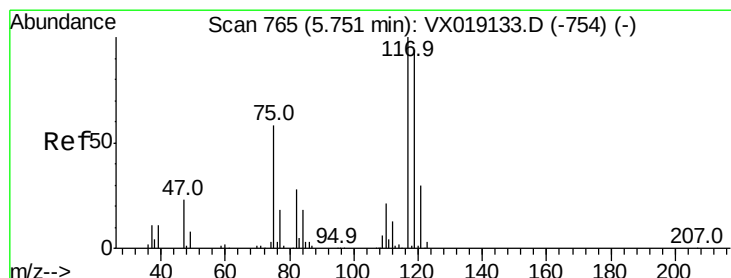
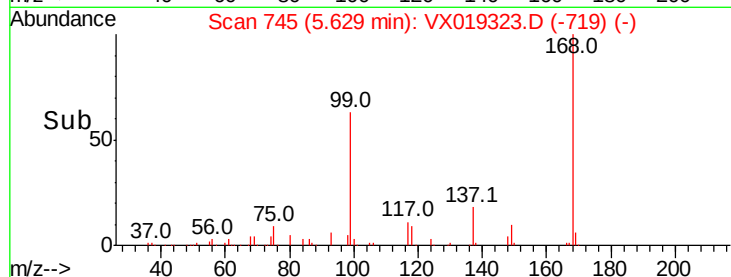
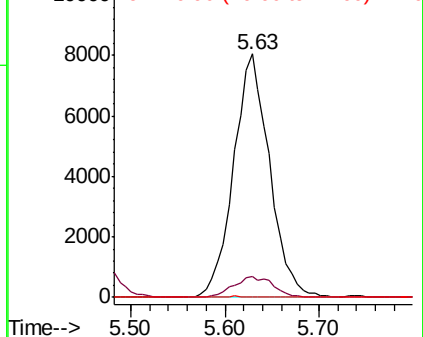
77 0.1 24.9 37.3#



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: 6.327 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

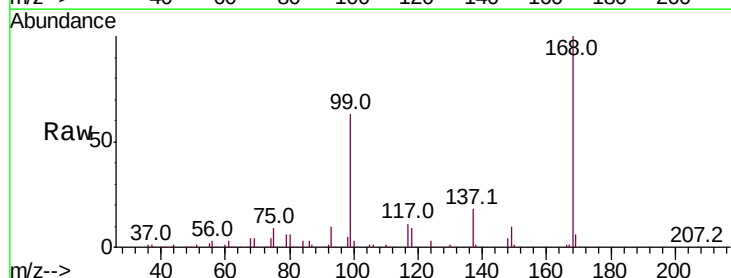
Tgt Ion: 117 Resp: 27684

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

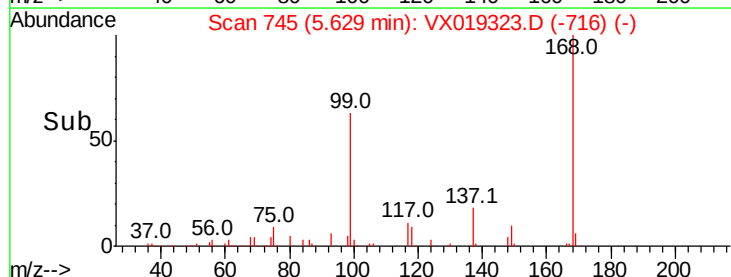
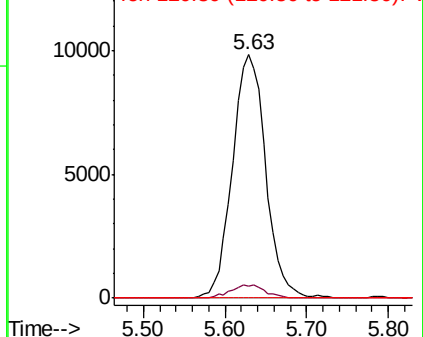
121 0.0 23.9 35.9#

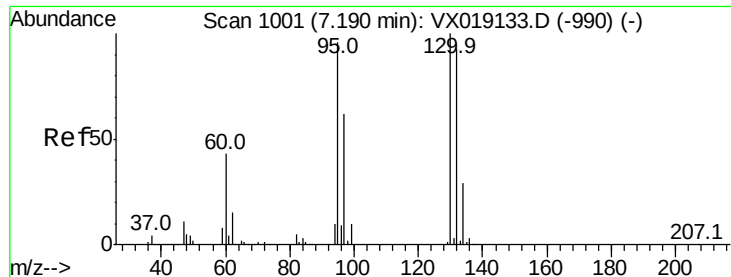


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.560 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

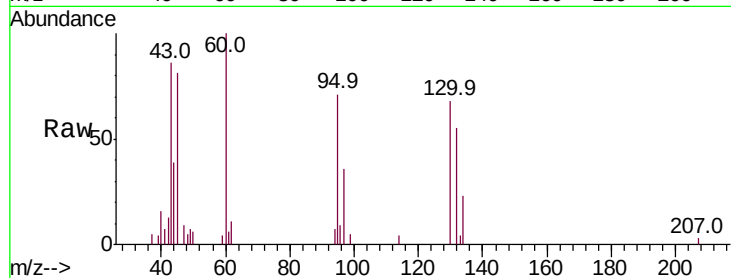
ClientSampled :

Tot Ion:130 Resp: 1953

Ion Ratio Lower Upper

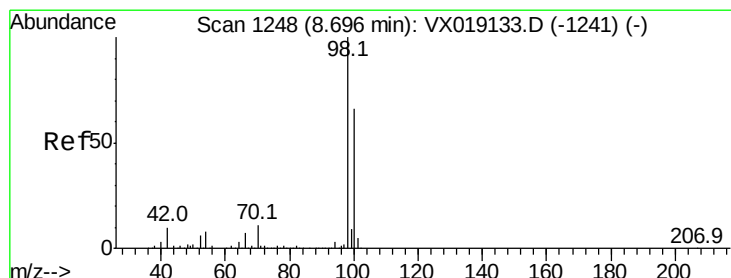
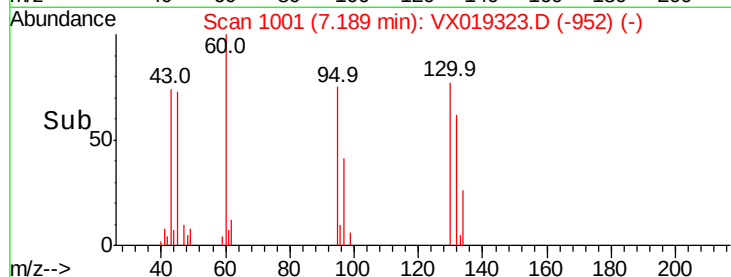
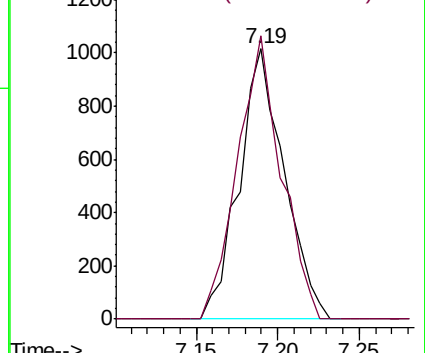
130 100

95 104.6 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: 51.308 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019323.D

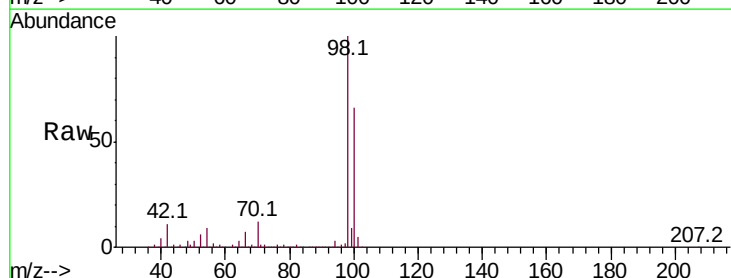
Acq: 05 Nov 2020 18:40

Tgt Ion: 98 Resp: 564779

Ion Ratio Lower Upper

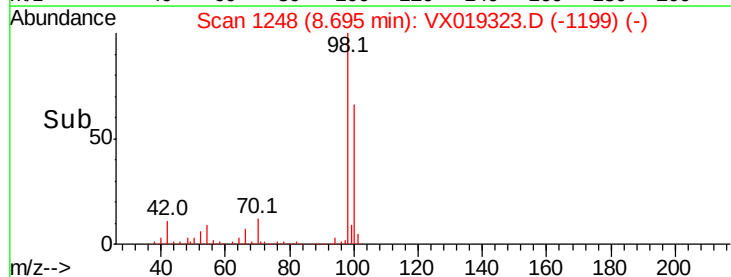
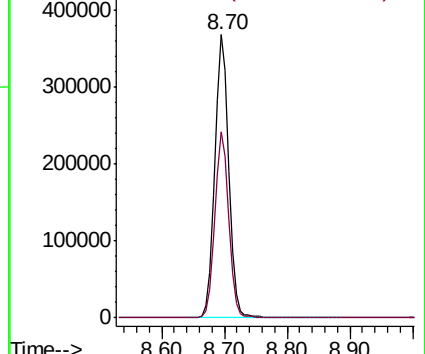
98 100

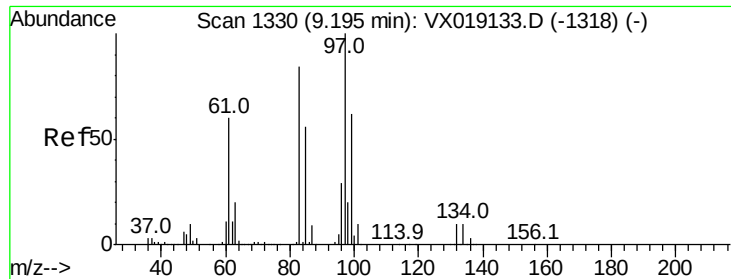
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 0.370 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.12 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 1147

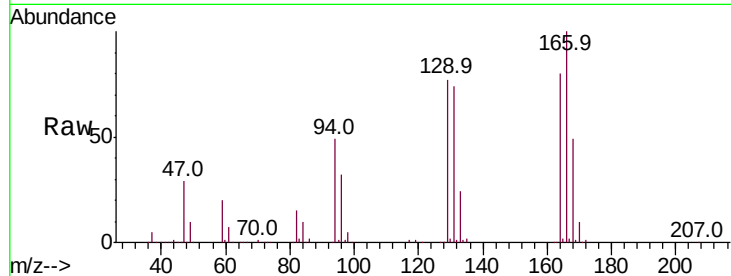
Ion Ratio Lower Upper

97 100

83 265.1 67.2 100.8#

85 30.4 44.6 67.0#

99 9.9 49.4 74.0#

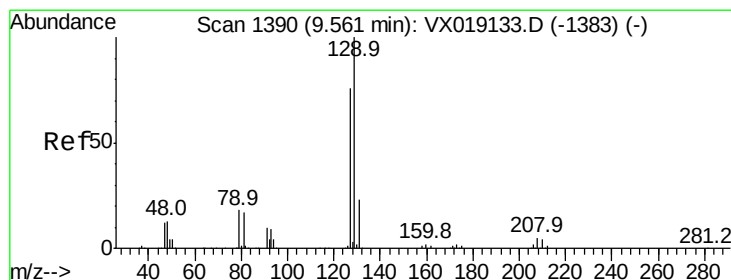
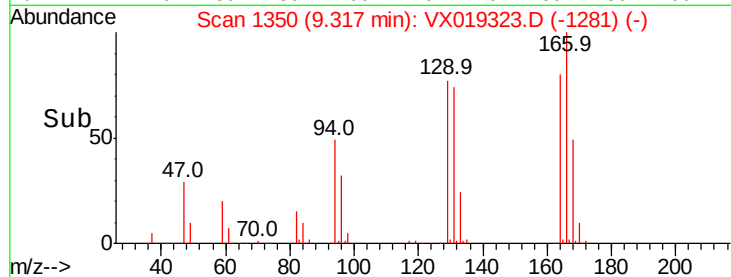
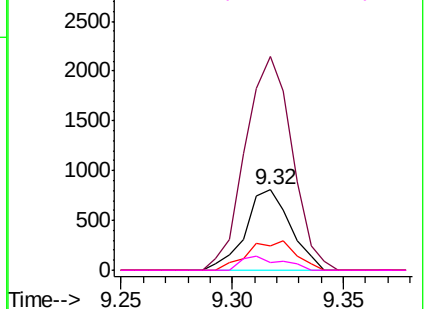


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 37.308 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019323.D

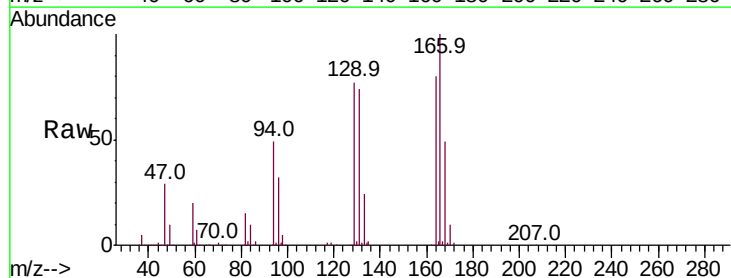
Acq: 05 Nov 2020 18:40

Tgt Ion: 129 Resp: 125408

Ion Ratio Lower Upper

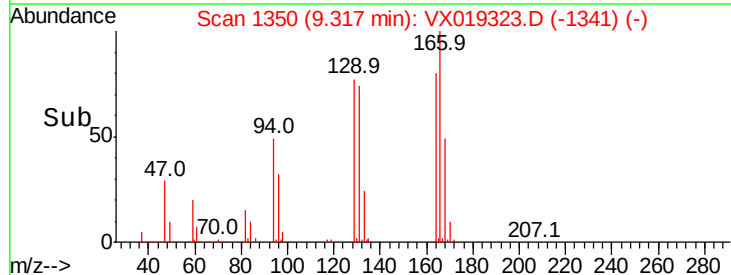
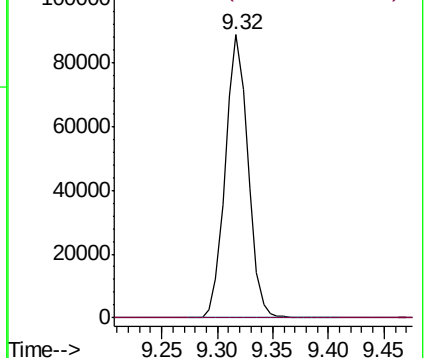
129 100

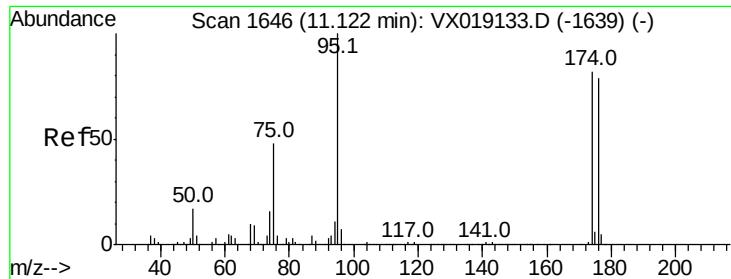
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

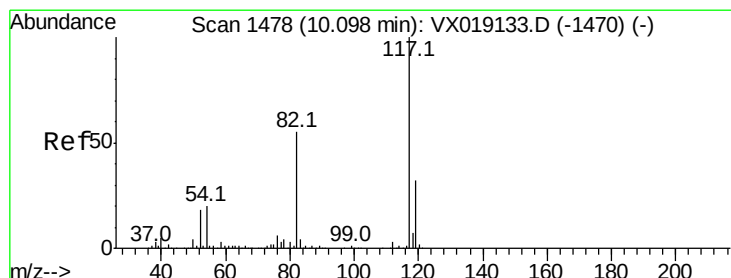
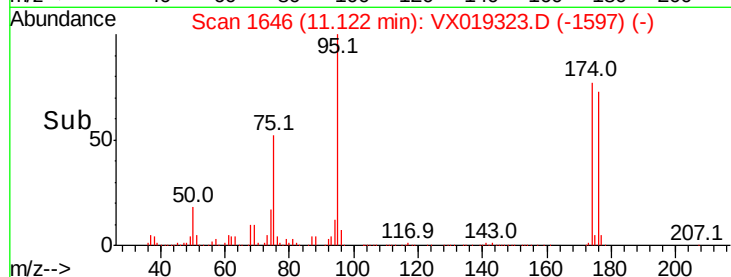
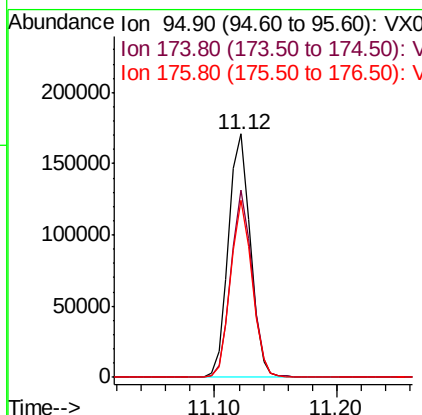
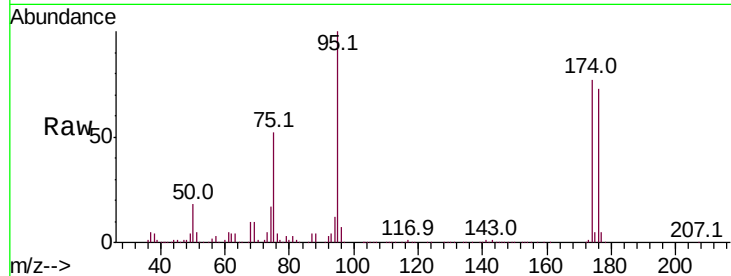




#62
4-Bromofluorobenzene
Concen: 50.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

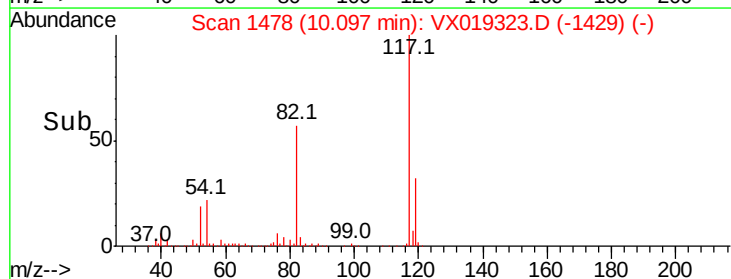
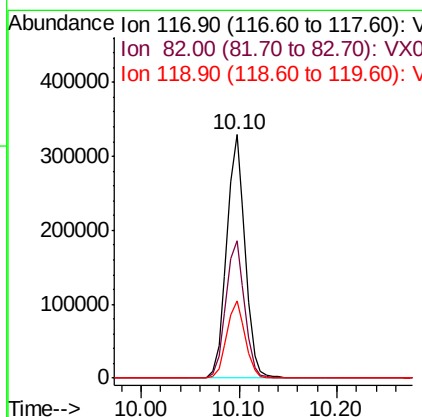
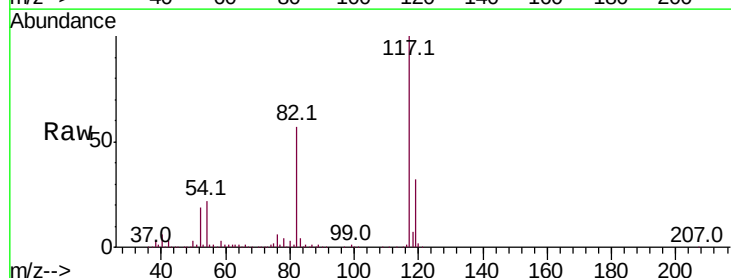
Instrument :
MSVOA_X
ClientSampleId :

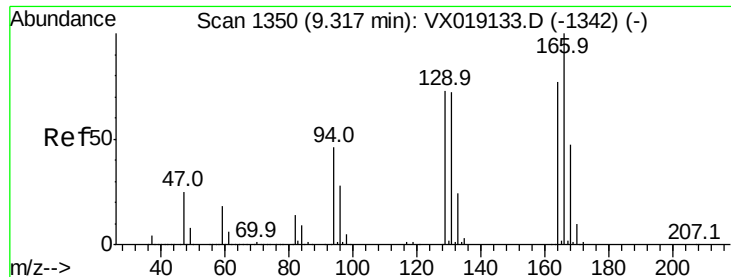
Tot Ion: 95 Resp: 211911
Ion Ratio Lower Upper
95 100
174 74.6 0.0 156.0
176 71.4 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

Tgt Ion: 117 Resp: 430118
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 31.7 25.5 38.3

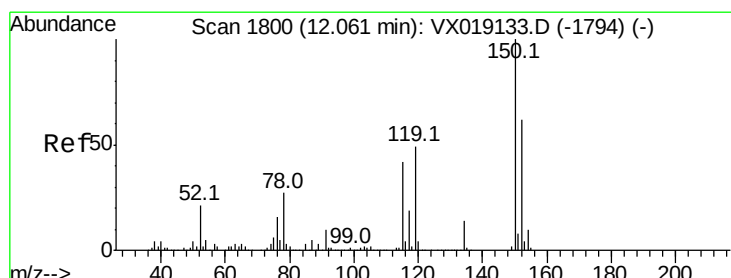
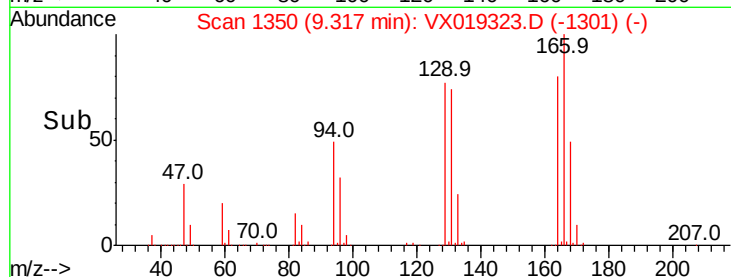
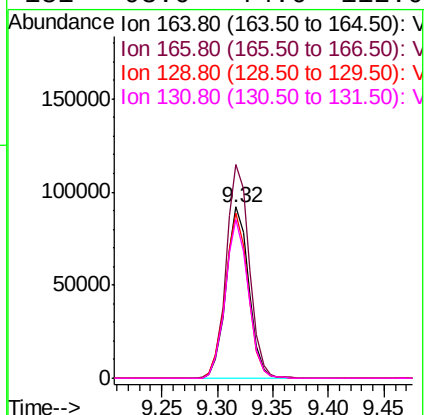
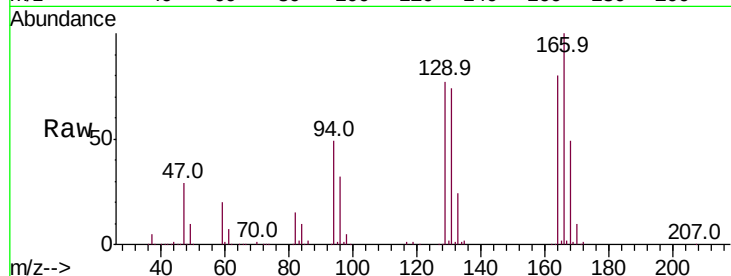




#64
Tetrachloroethene
Concen: 39.638 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

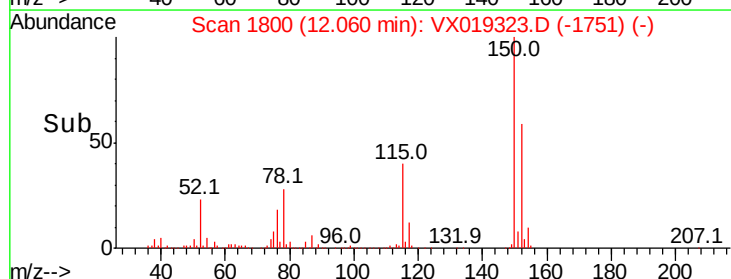
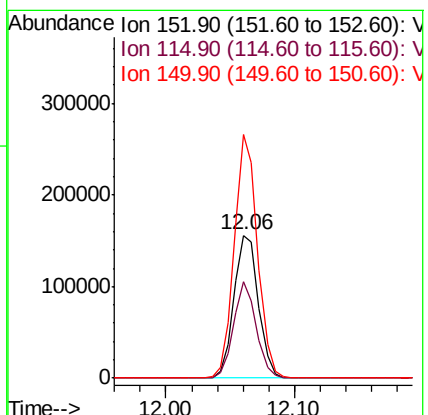
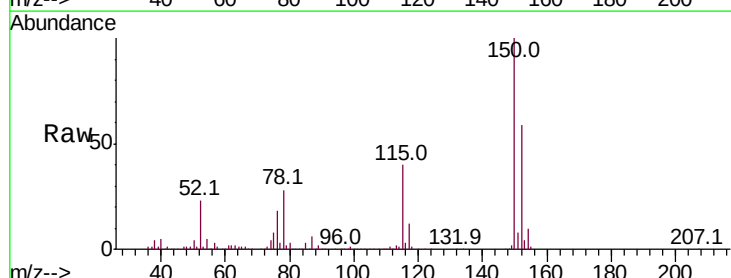
Instrument :
MSVOA_X
ClientSampleId :

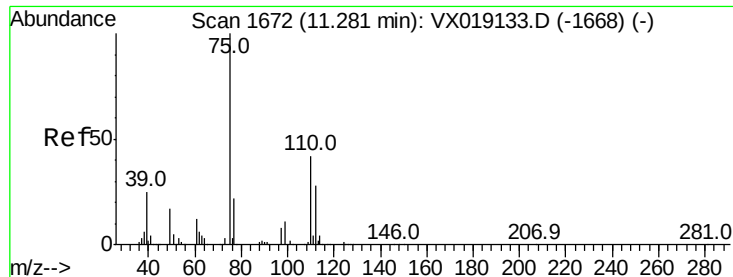
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.1	156.1
129	96.5	76.2	114.4
131	93.0	74.6	112.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019323.D
Acq: 05 Nov 2020 18:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	41.9	125.7
150	161.1	0.0	347.8





#76

1,2,3-Trichloropropane

Concen: 25.791 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Instrument :

MSVOA_X

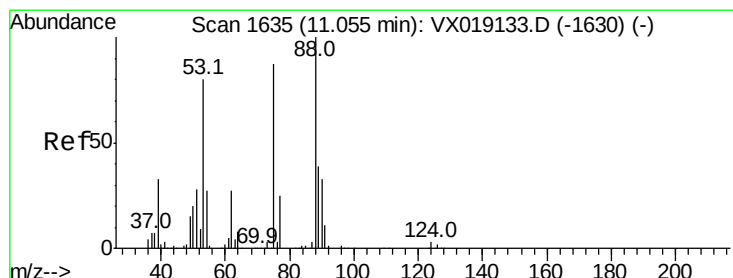
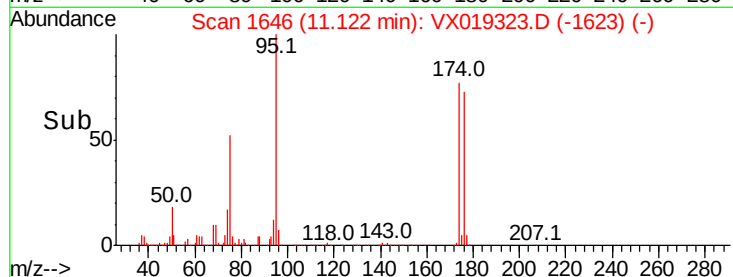
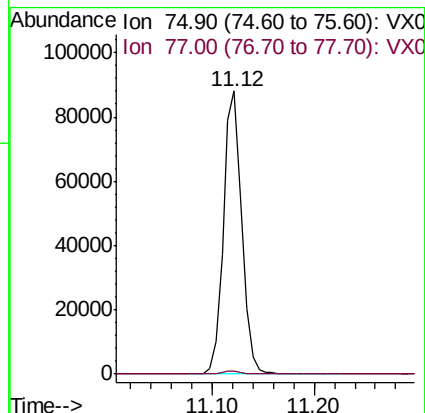
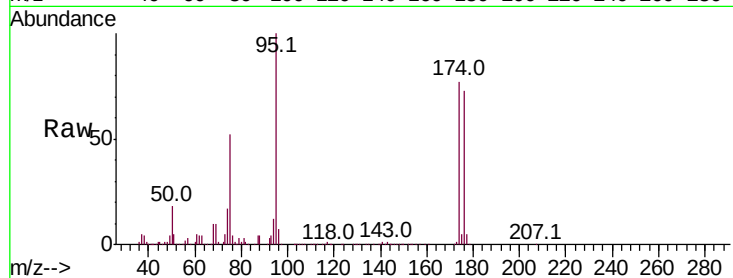
ClientSampled :

Tot Ion: 75 Resp: 110223

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019323.D

Acq: 05 Nov 2020 18:40

Tgt Ion: 75 Resp: 110223

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

89 0.0 38.2 57.2#

