

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016274.D
 Acq On : 15 May 2020 12:46
 Operator : JC/SP
 Sample : L2669-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-4

Quant Time: May 16 06:41:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	254654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	422011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	412345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	156089	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
35) Dibromofluoromethane	5.46	113	123806	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
50) Toluene-d8	8.70	98	518570	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.12	95	205491	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

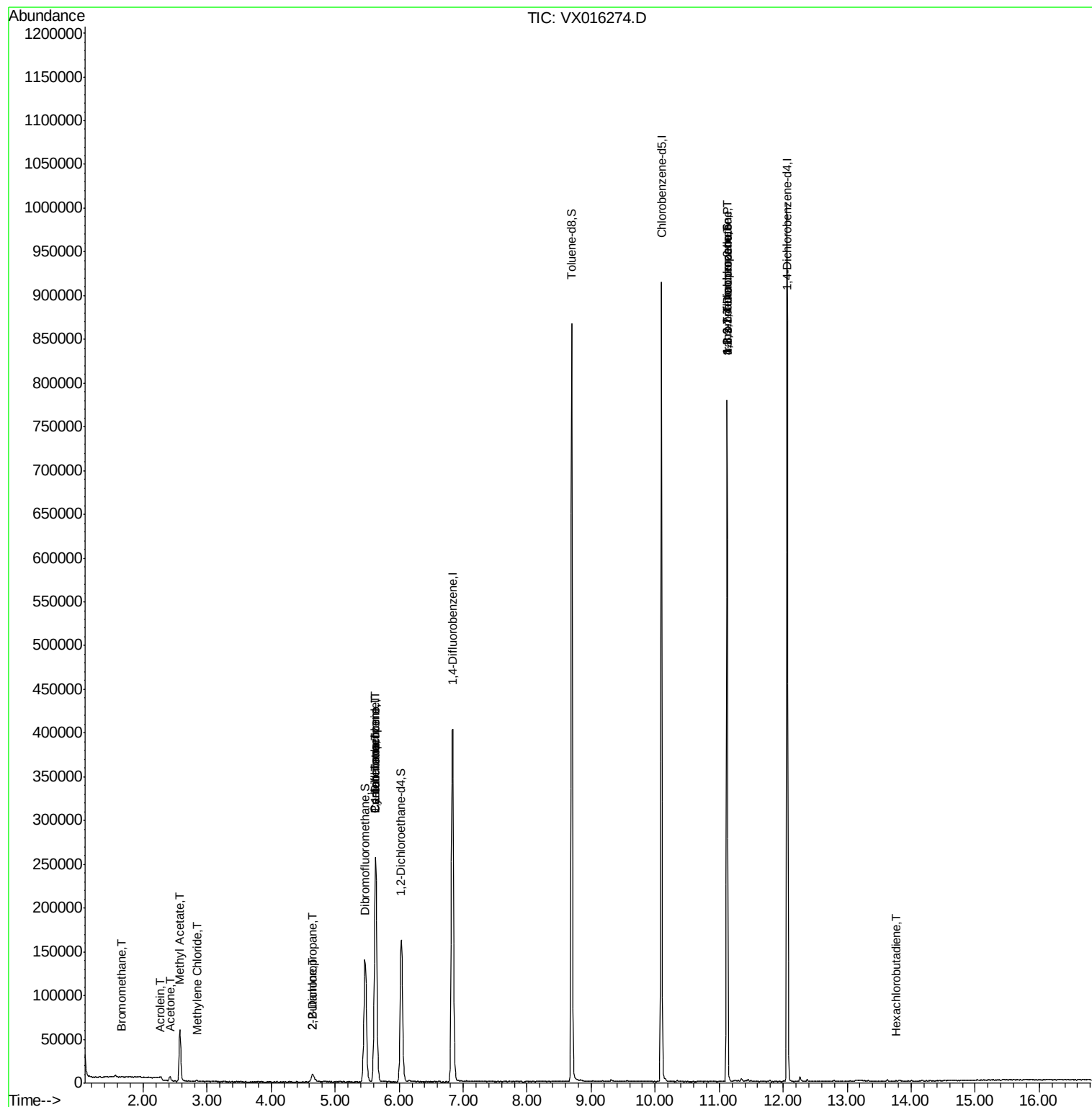
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	400	0.238	ug/l #	56
13) Acrolein	2.27	56	564	1.064	ug/l #	51
16) Acetone	2.42	43	5447	3.643	ug/l	98
17) Carbon Disulfide	2.55	76	1487	Below Cal	#	88
18) Methyl Acetate	2.57	43	14010	3.811	ug/l #	50
20) Methylene Chloride	2.84	84	850	0.276	ug/l	87
25) 2-Butanone	4.65	43	1067	0.443	ug/l #	48
26) 2,2-Dichloropropane	4.65	77	988	0.211	ug/l #	53
31) Cyclohexane	5.63	56	4889	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18886	4.546	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24693	5.848	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	101	2.085	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	100667	21.662	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	100667	51.622	ug/l #	13
94) Hexachlorobutadiene	13.77	225	172	0.604	ug/l #	47

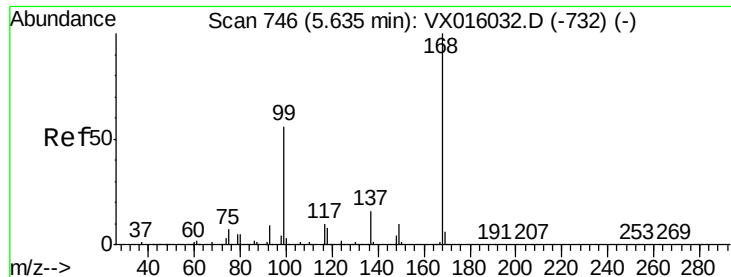
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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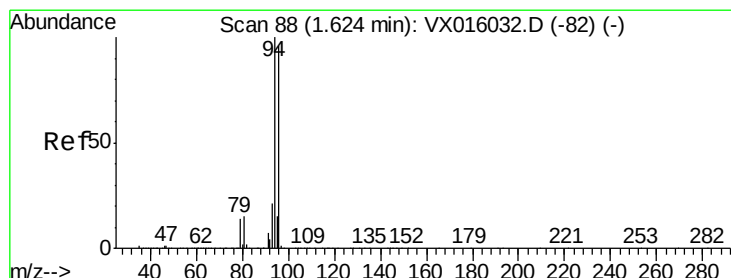
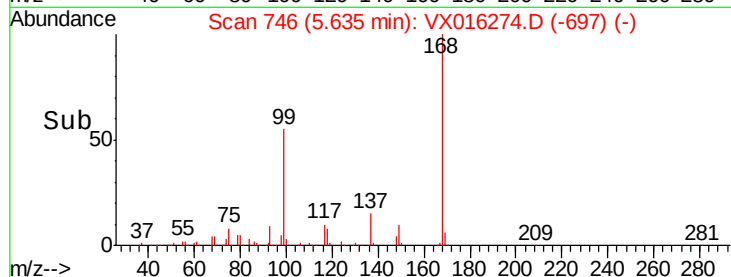
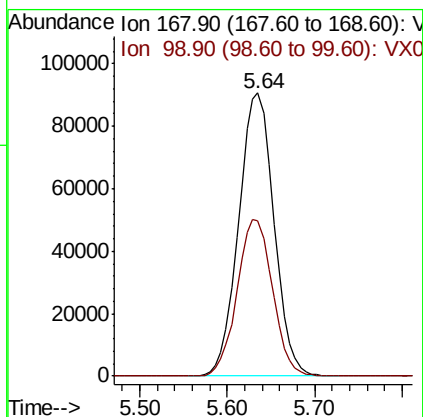
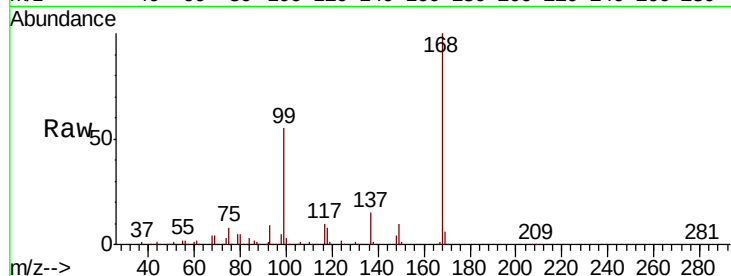




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

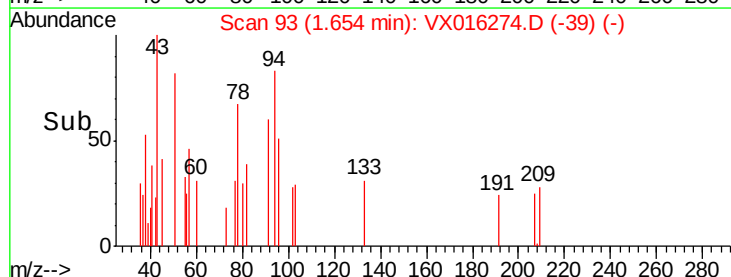
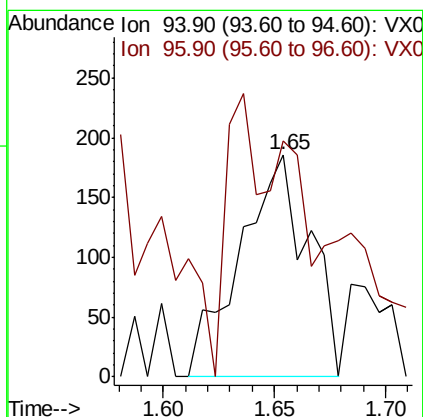
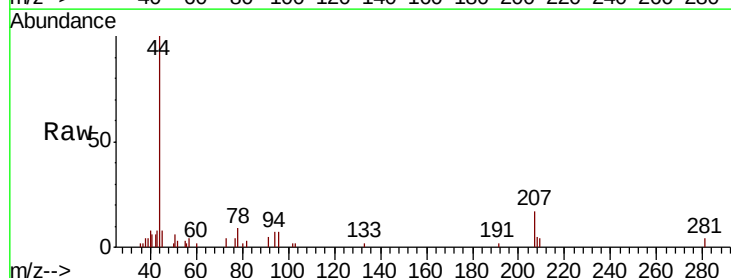
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

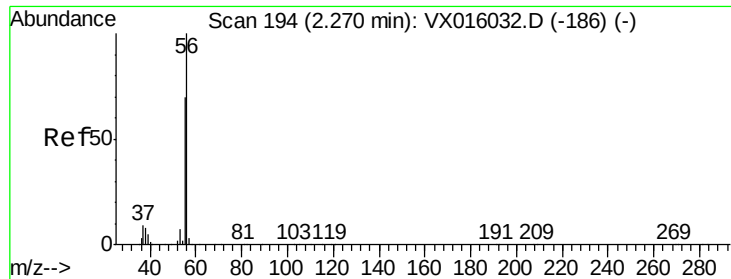
Tot Ion:168 Resp: 254654
Ion Ratio Lower Upper
168 100
99 54.7 45.0 67.4



#5
Bromomethane
Concen: 0.238 ug/l
RT: 1.65 min Scan# 93
Delta R.T. 0.03 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 52.7 76.9 115.3#

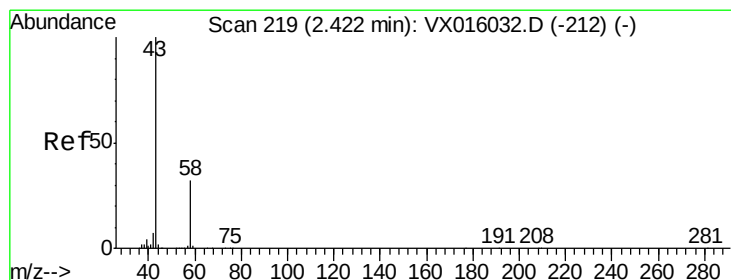
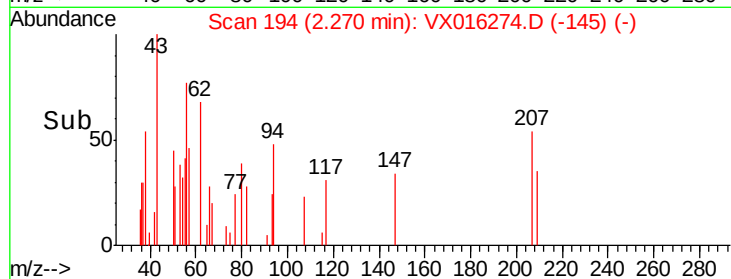
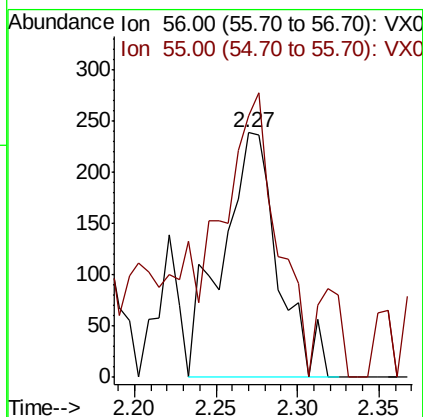
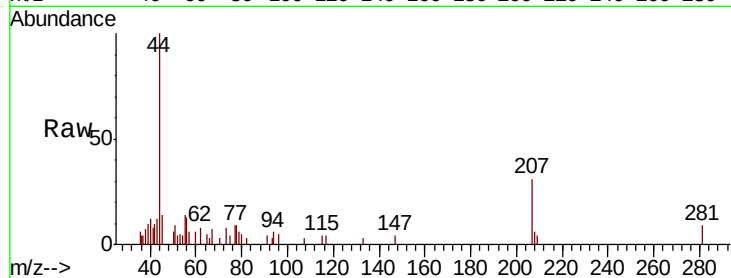




#13
Acrolein
Concen: 1.064 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

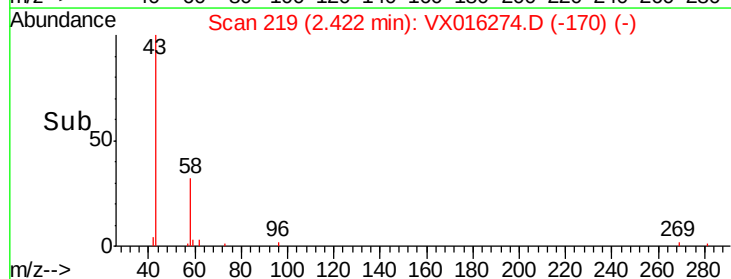
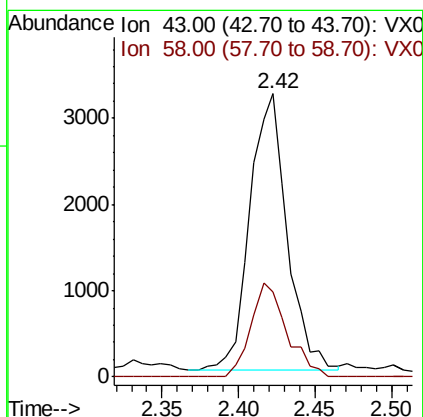
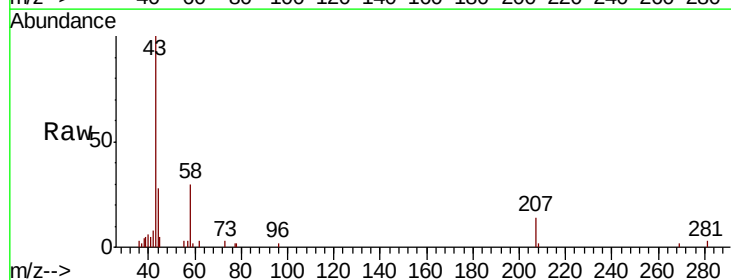
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

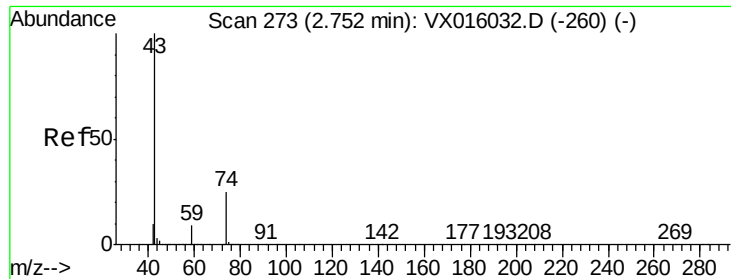
Tot Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
55 110.6 56.5 84.7#



#16
Acetone
Concen: 3.643 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 30.6 25.4 38.0

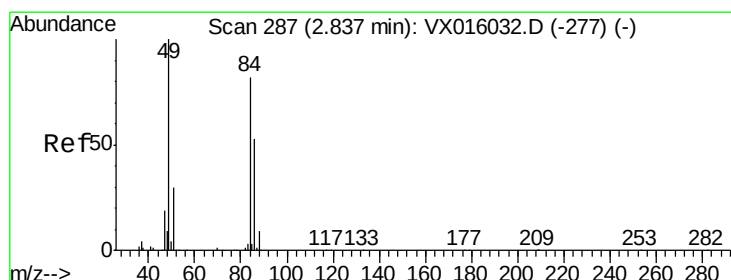
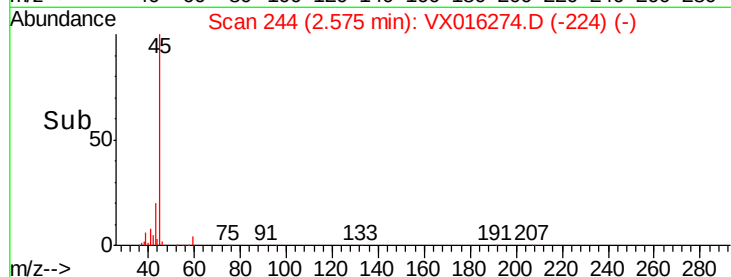
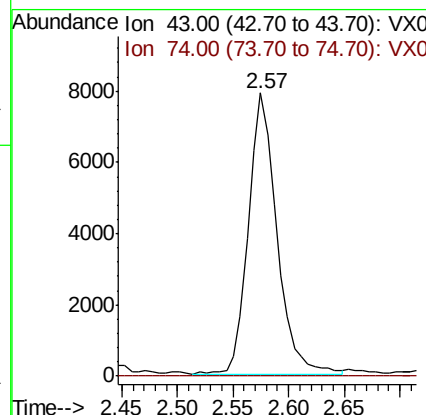
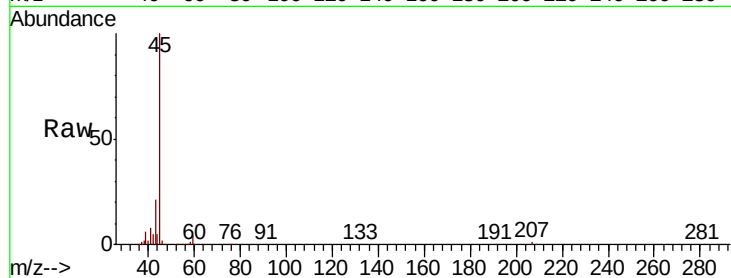




#18
Methyl Acetate
Concen: 3.811 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.18 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

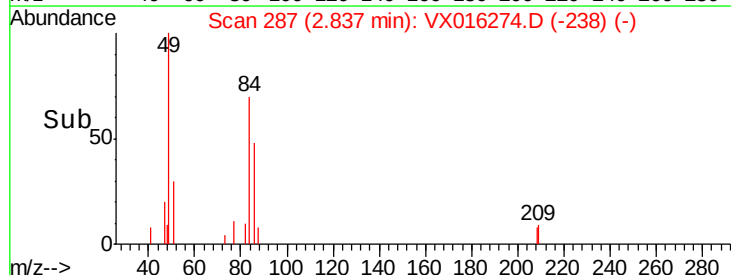
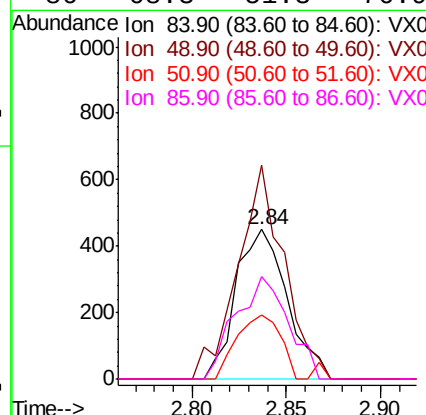
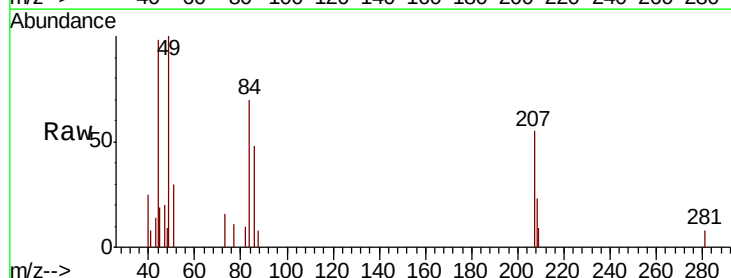
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

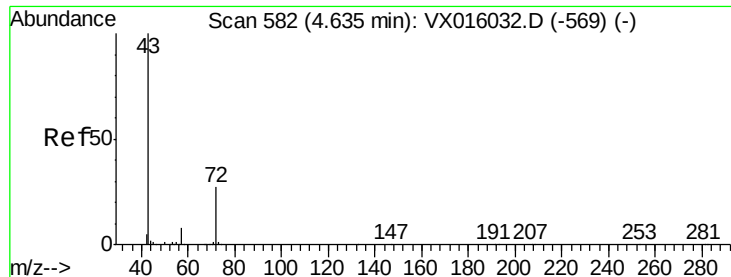
Tot Ion: 43 Resp: 14010
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion: 84 Resp: 850
Ion Ratio Lower Upper
84 100
49 142.6 97.3 145.9
51 42.6 29.3 43.9
86 68.3 51.3 76.9





#25

2-Butanone

Concen: 0.443 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

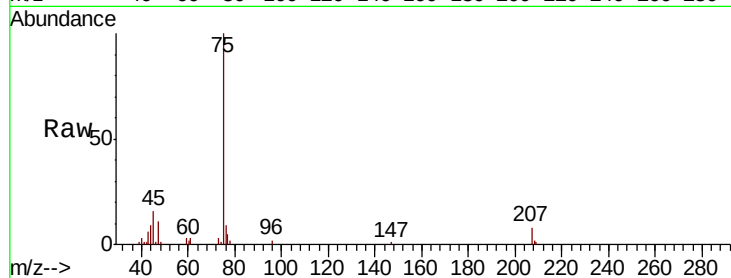
STORAGE-BLANK-SOIL-REF-4

Tot Ion: 43 Resp: 1067

Ion Ratio Lower Upper

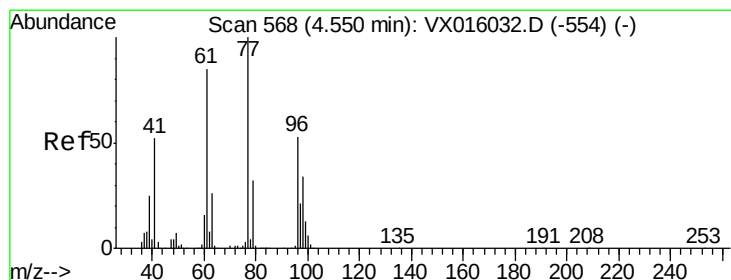
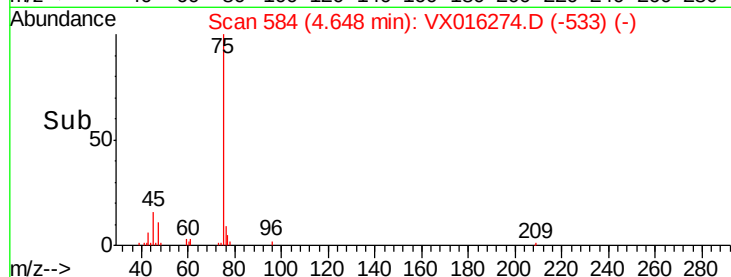
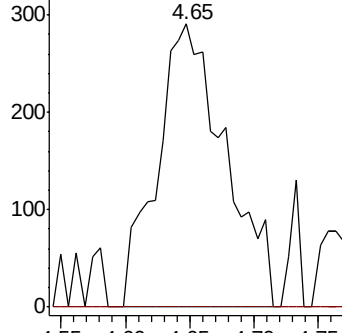
43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.211 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.10 min

Lab File: VX016274.D

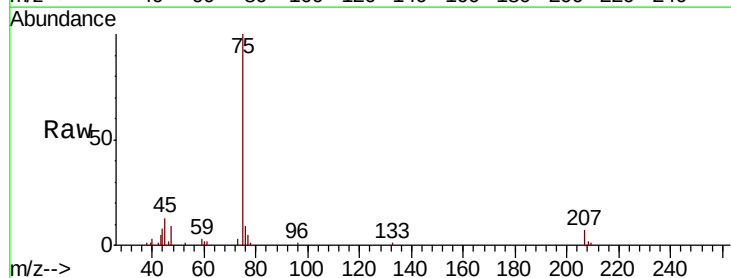
Acq: 15 May 2020 12:46

Tgt Ion: 77 Resp: 988

Ion Ratio Lower Upper

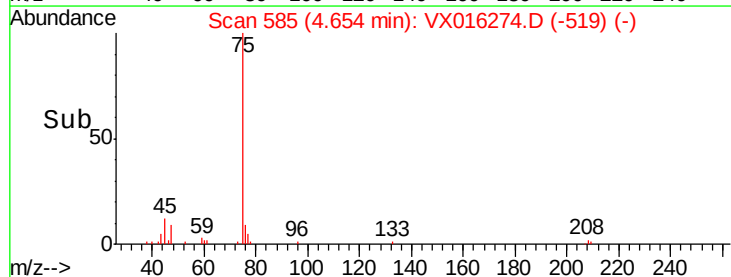
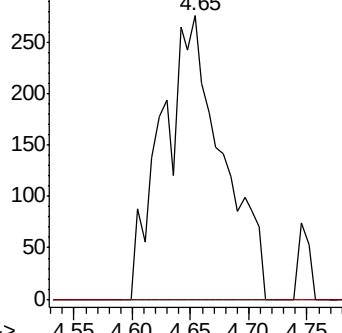
77 100

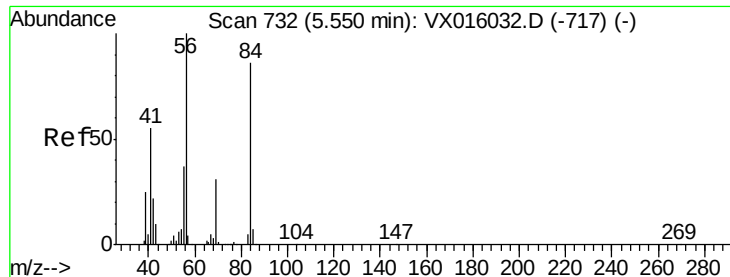
97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

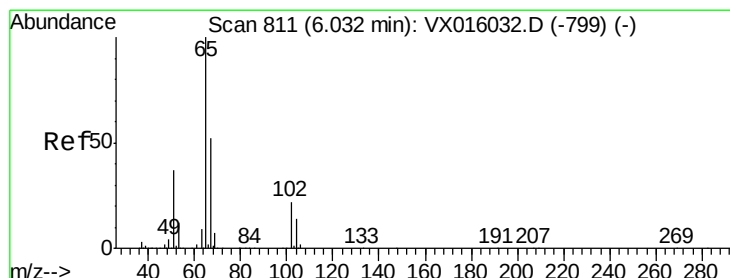
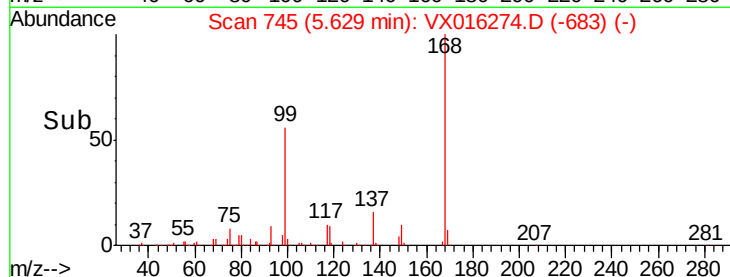
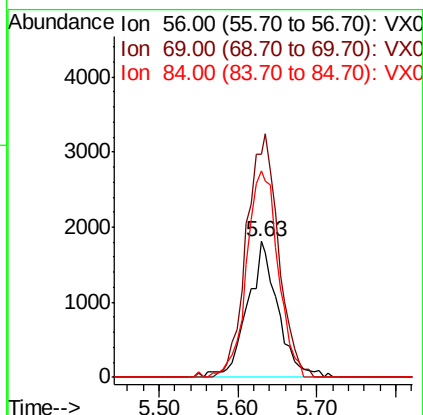
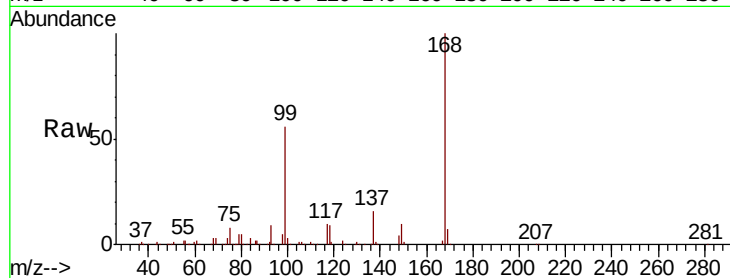




#31
Cyclohexane
Concen: 1.050 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

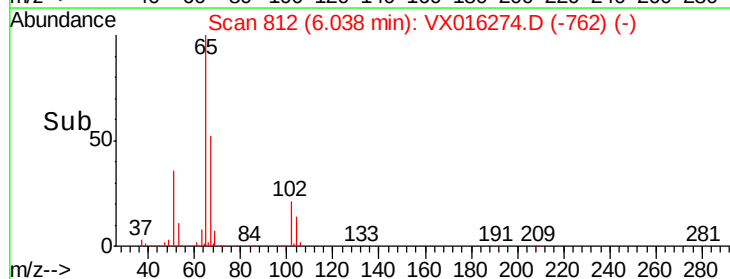
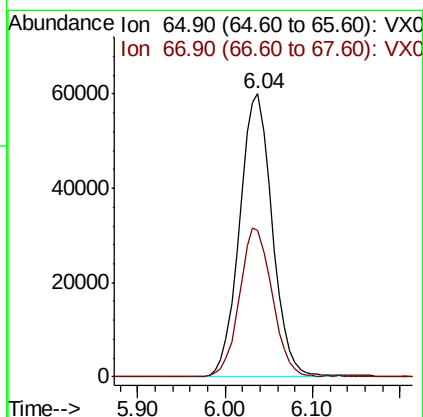
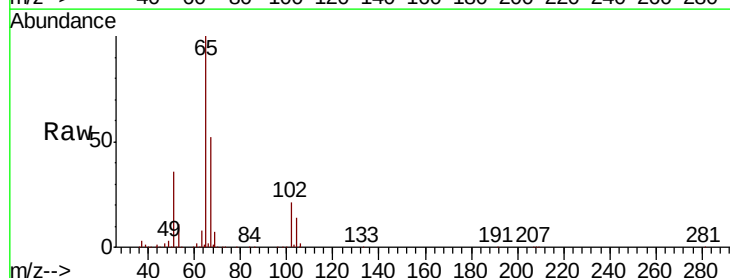
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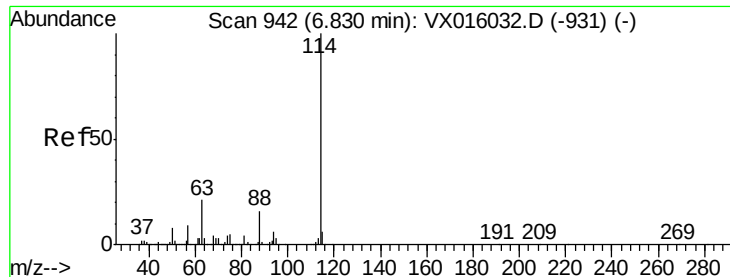
Tot Ion: 56 Resp: 4889
Ion Ratio Lower Upper
56 100
69 164.2 25.0 37.6#
84 152.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.580 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion: 65 Resp: 156089
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

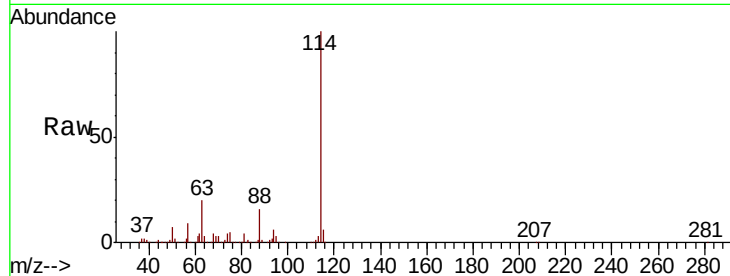
Tot Ion:114 Resp: 422011

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

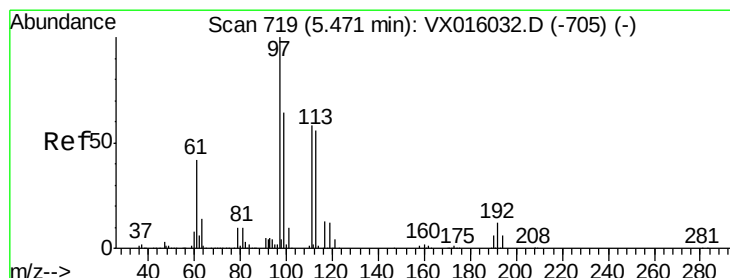
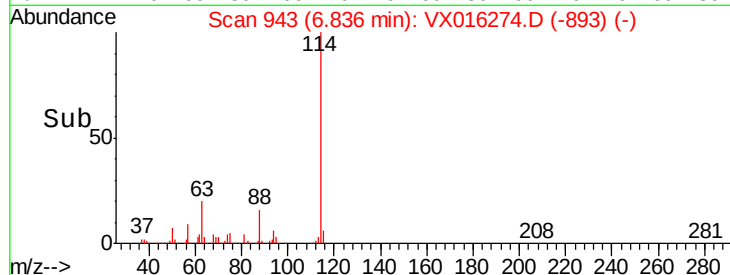
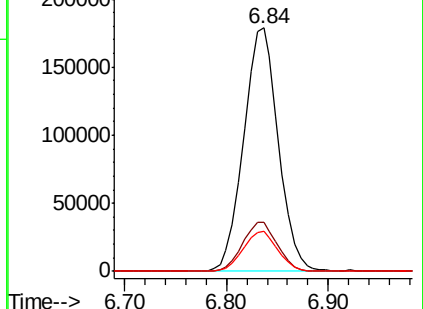
88 16.2 0.0 31.4



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: 46.306 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

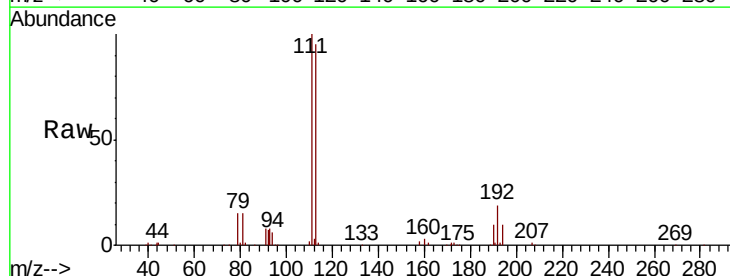
Tgt Ion:113 Resp: 123806

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

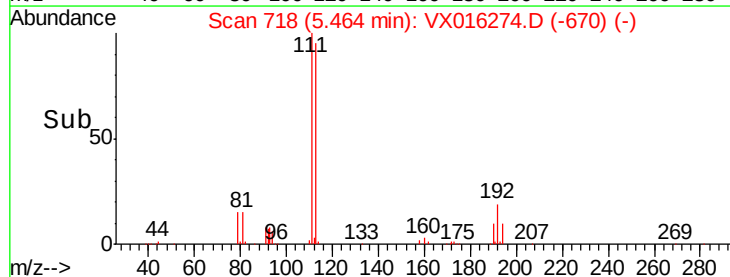
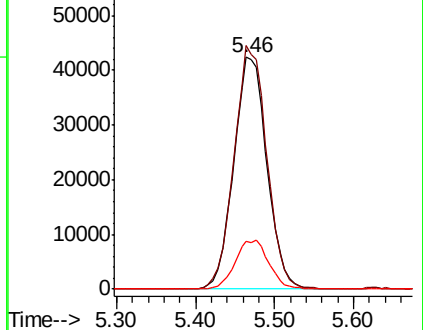
192 21.4 17.0 25.4

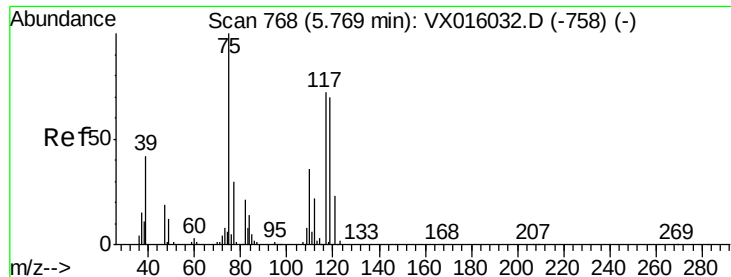


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

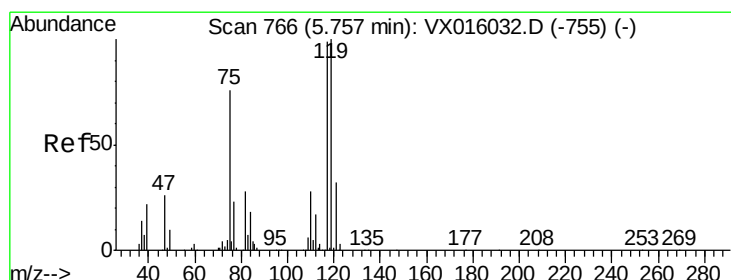
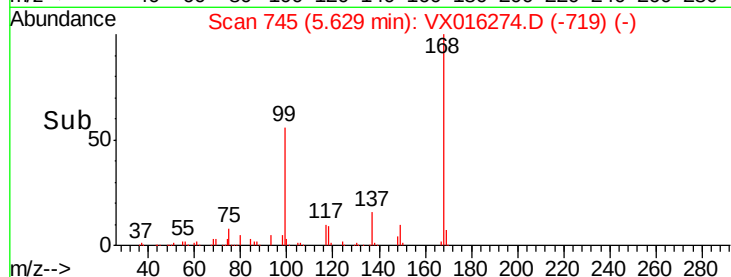
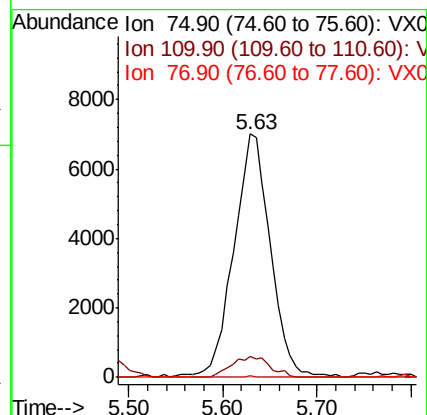
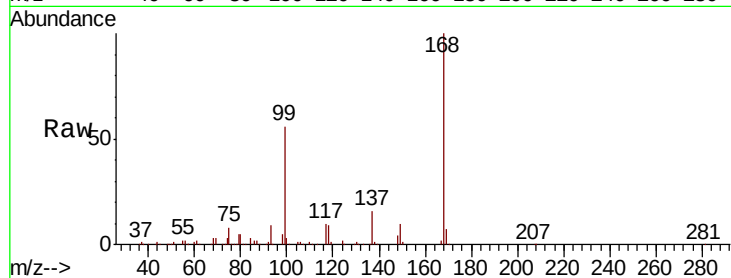
Tot Ion: 75 Resp: 18886

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

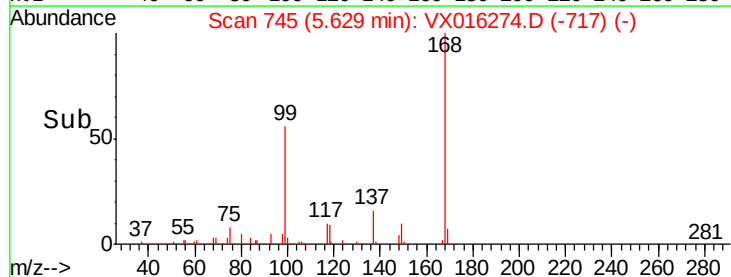
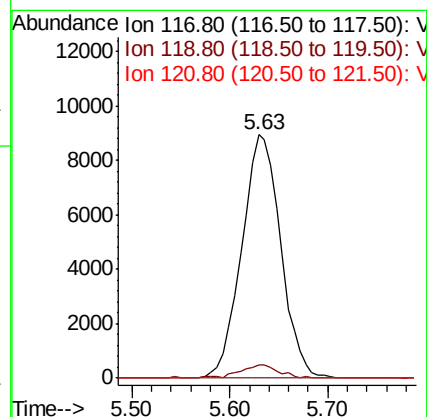
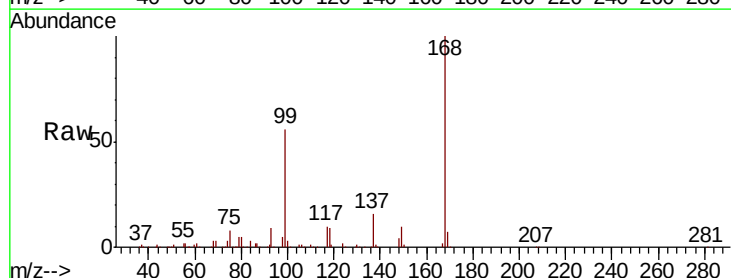
Tgt Ion: 117 Resp: 24693

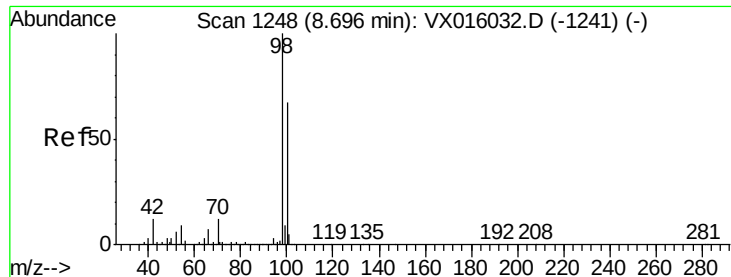
Ion Ratio Lower Upper

117 100

119 5.2 80.3 120.5#

121 0.0 25.7 38.5#

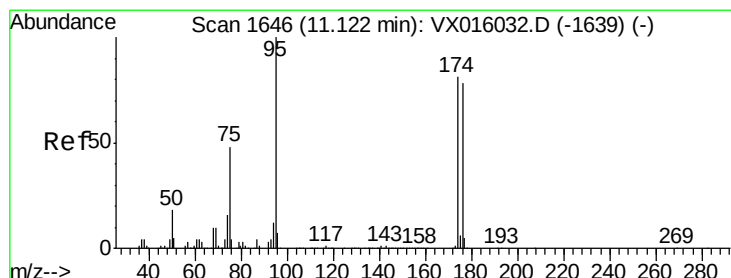
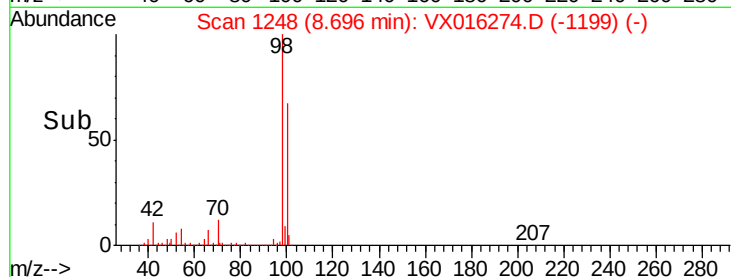
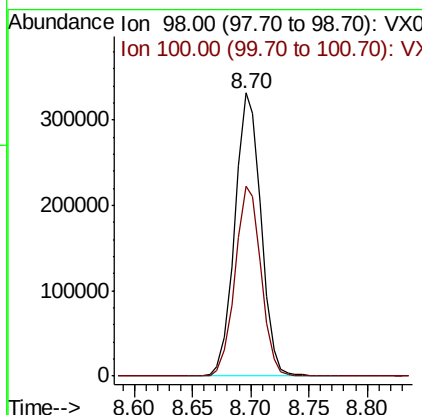
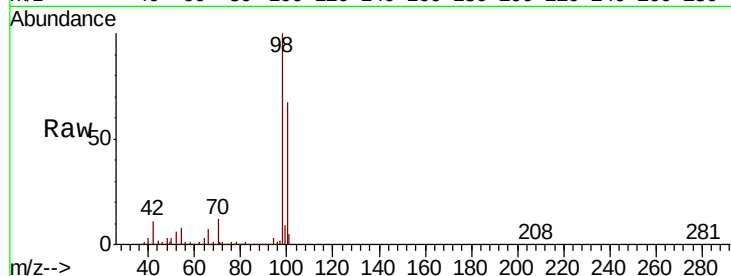




#50
Toluene-d8
Concen: 50.339 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

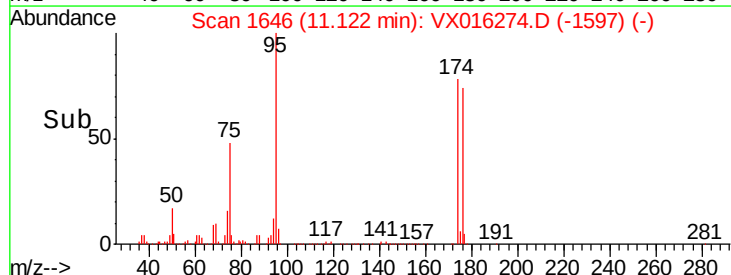
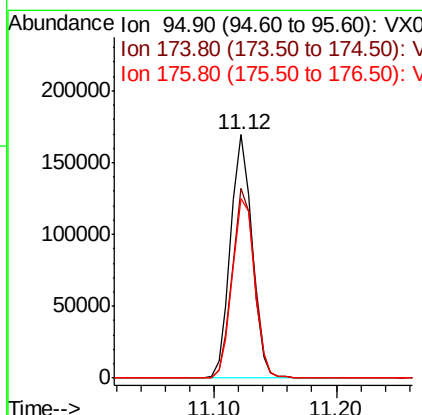
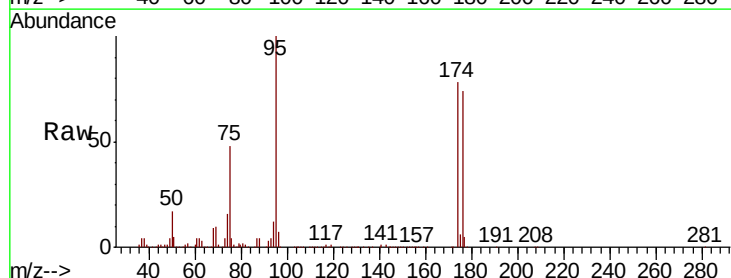
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

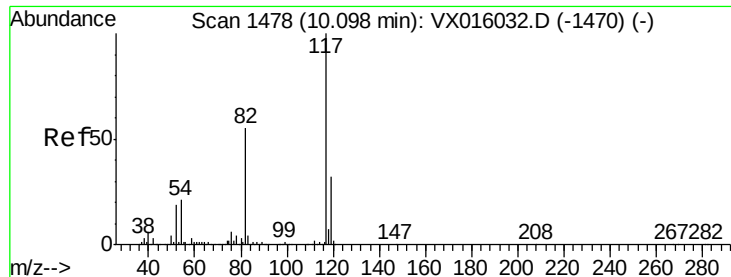
Tot Ion: 98 Resp: 518570
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 52.445 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion: 95 Resp: 205491
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.4
176 76.7 0.0 157.6

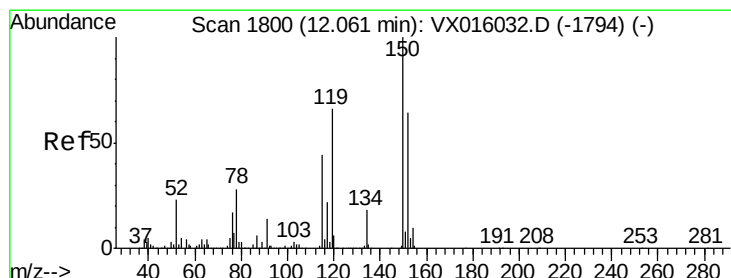
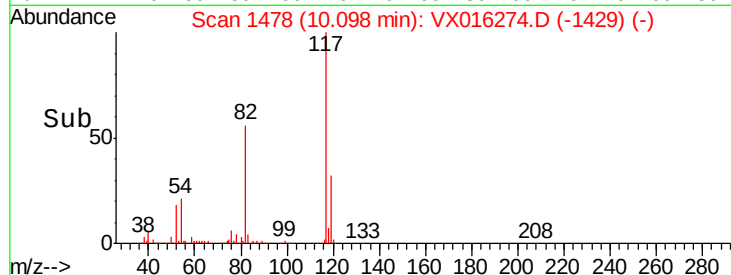
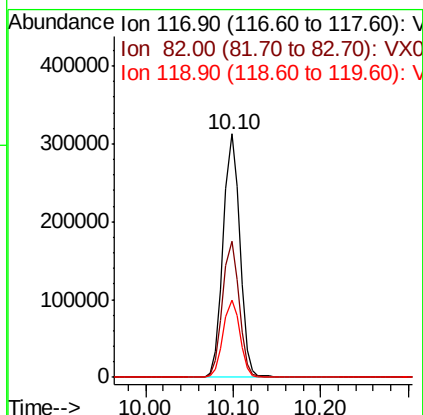
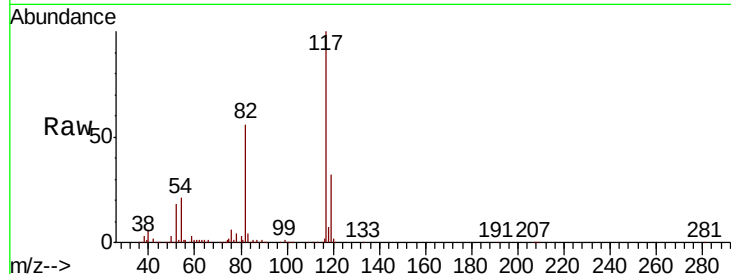




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

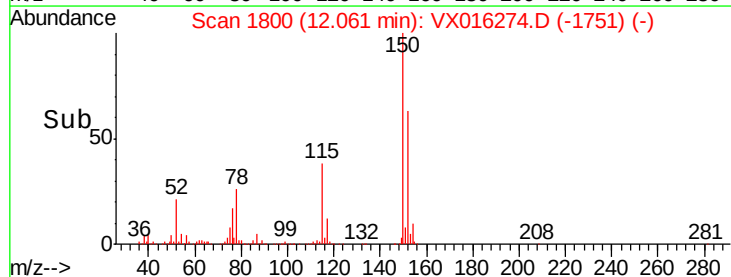
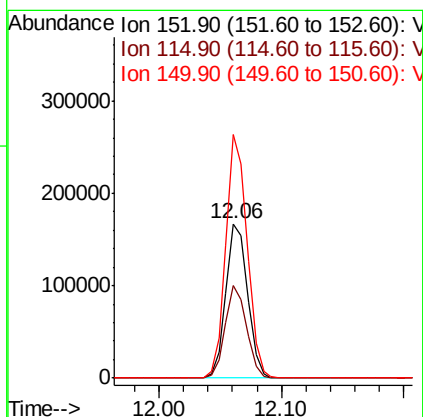
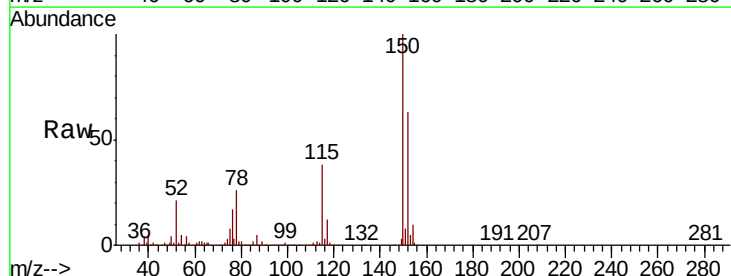
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

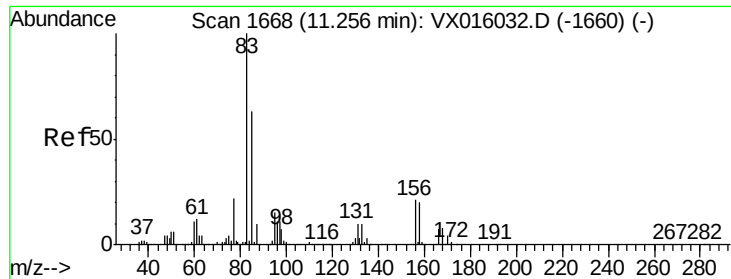
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.4	66.6
119	31.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016274.D
Acq: 15 May 2020 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.3	124.1
150	154.7	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.085 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

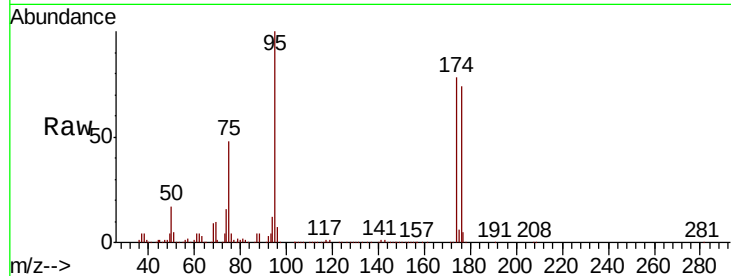
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 310.9 5.1 15.4#

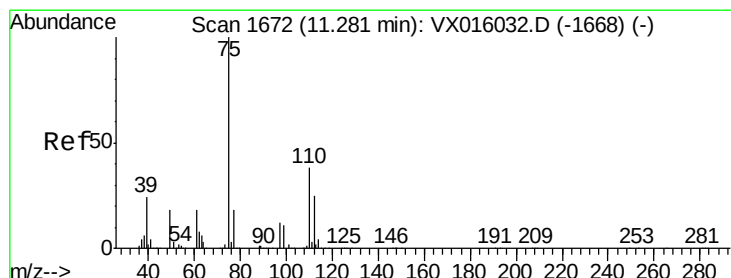
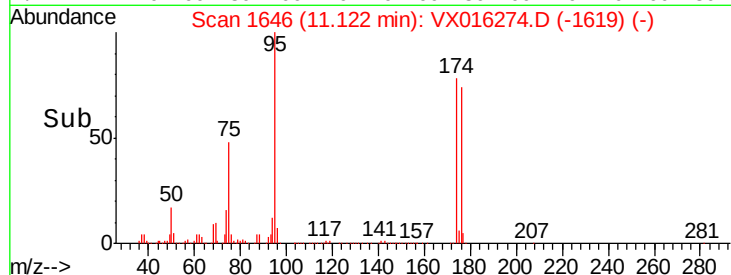
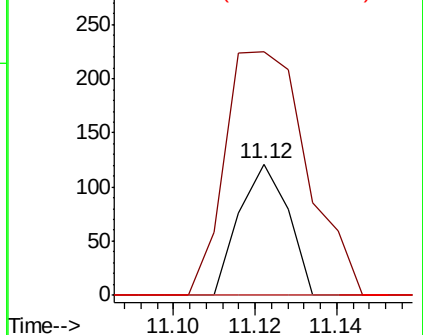
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.662 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016274.D

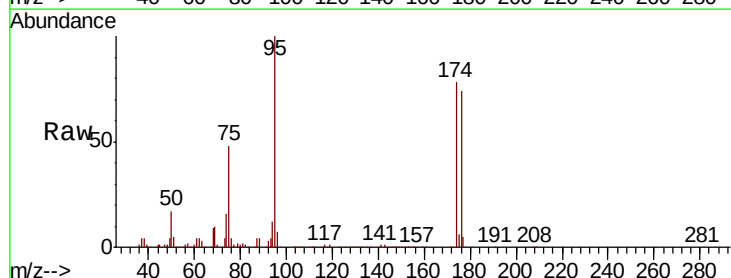
Acq: 15 May 2020 12:46

Tgt Ion: 75 Resp: 100667

Ion Ratio Lower Upper

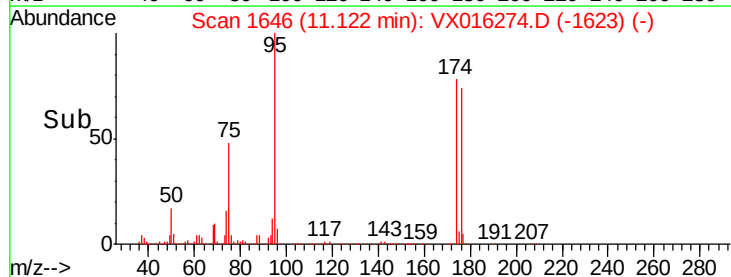
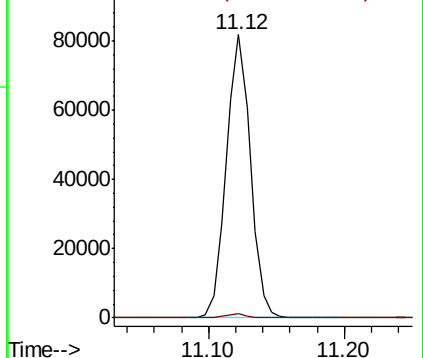
75 100

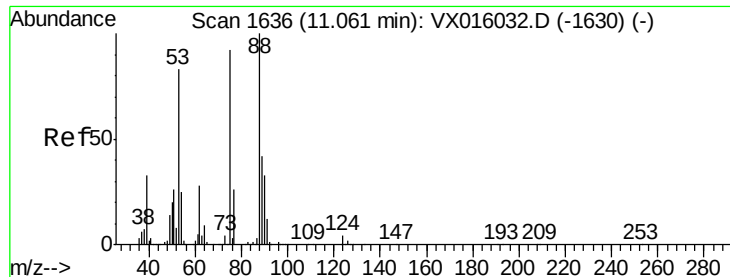
77 1.3 21.2 63.6#



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: 51.622 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-4

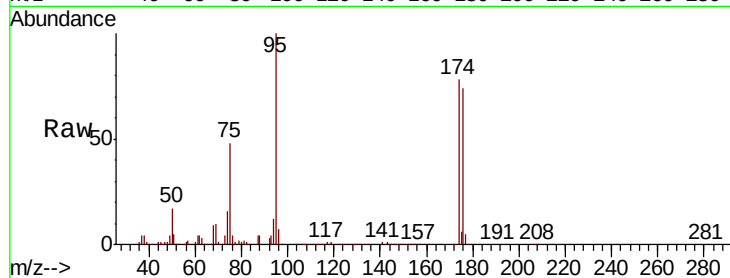
Tot Ion: 75 Resp: 100667

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

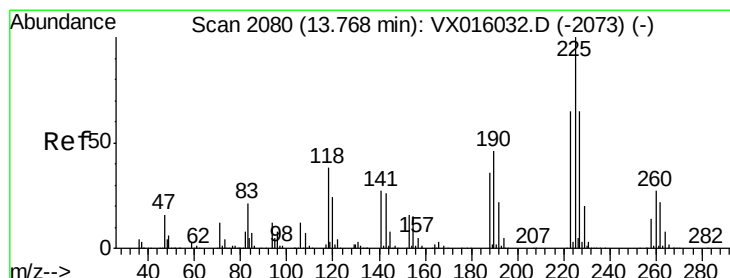
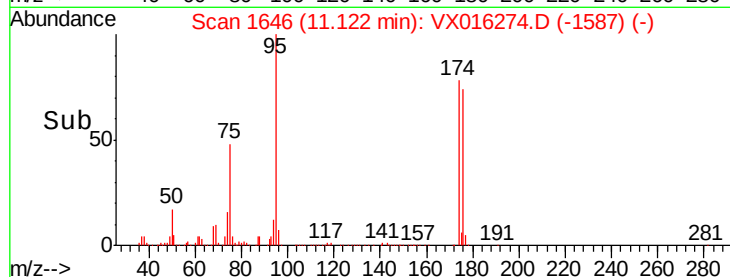
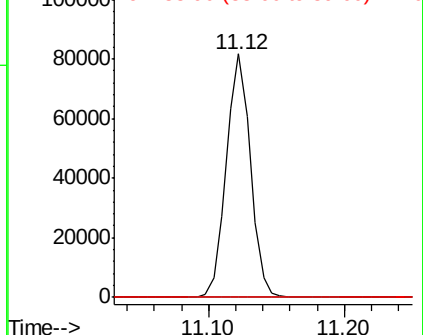
89 0.0 36.7 55.1#



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



#94

Hexachlorobutadiene

Concen: 0.604 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016274.D

Acq: 15 May 2020 12:46

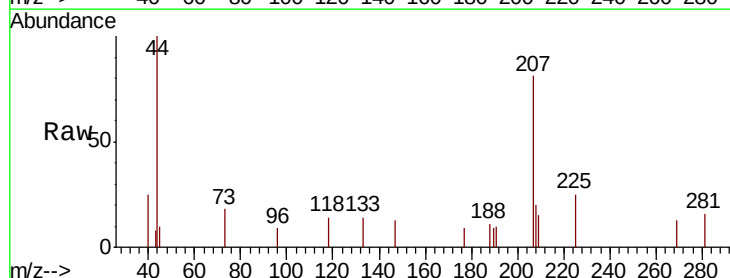
Tgt Ion: 225 Resp: 172

Ion Ratio Lower Upper

225 100

223 44.8 32.3 96.9

227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

