

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016273.D
 Acq On : 15 May 2020 12:24
 Operator : JC/SP
 Sample : L2669-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

Quant Time: May 16 06:41:11 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	5.63	168	256117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	421357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	415505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207597	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	154969	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	5.46	113	122654	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	8.70	98	529631	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	207364	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	

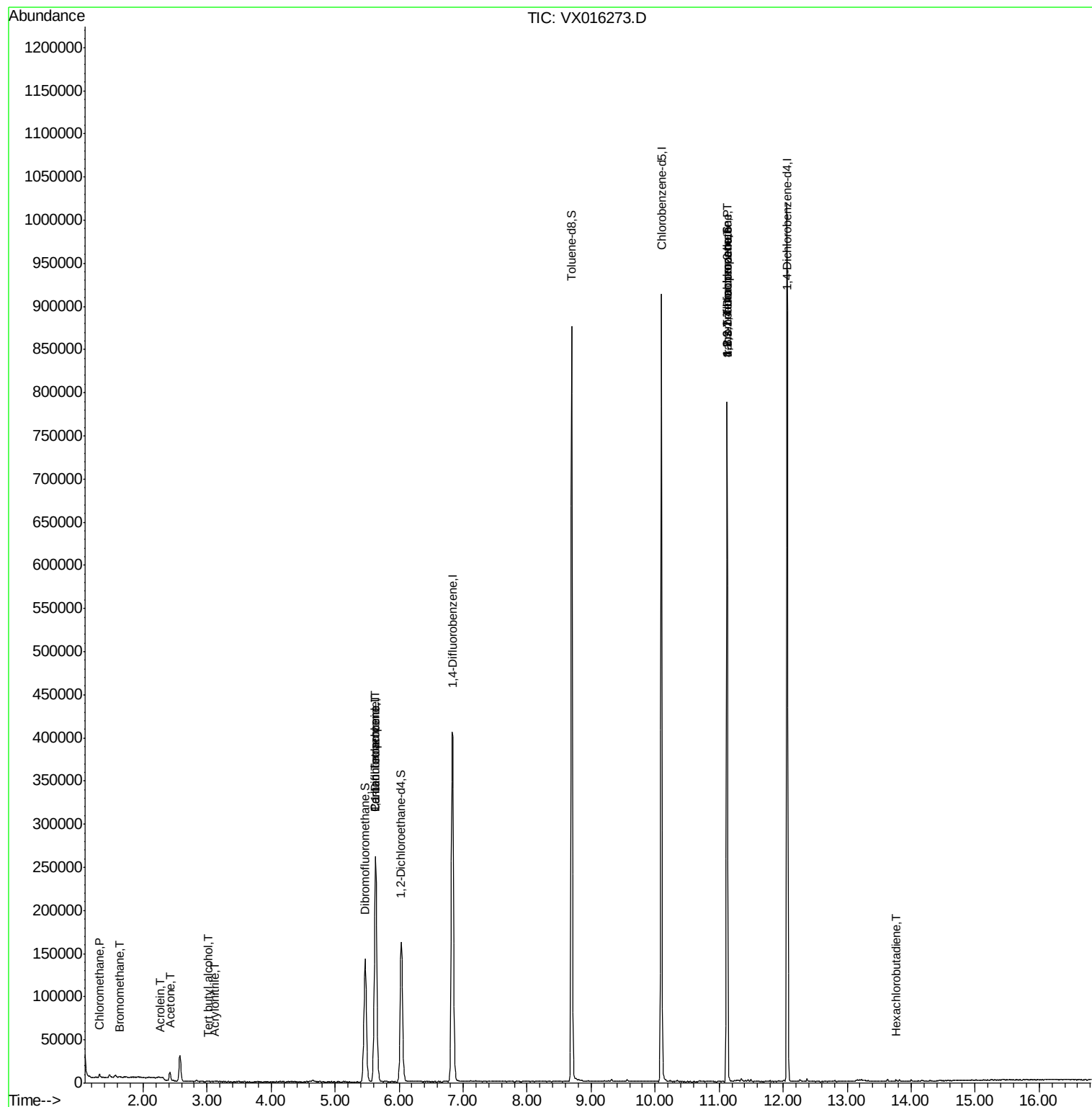
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2364	0.751	ug/l	94
5) Bromomethane	1.64	94	611	0.361	ug/l	82
11) Tert butyl alcohol	3.01	59	290	0.340	ug/l #	72
13) Acrolein	2.27	56	742	1.391	ug/l #	63
15) Acrylonitrile	3.12	53	417	0.236	ug/l	95
16) Acetone	2.42	43	10336	6.873	ug/l	99
36) 1,1-Dichloropropene	5.63	75	18321	4.417	ug/l #	50
38) Carbon Tetrachloride	5.64	117	25463	6.040	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	129	2.095	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	100886	21.416	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	100886	51.035	ug/l #	13
94) Hexachlorobutadiene	13.77	225	255	0.641	ug/l	90

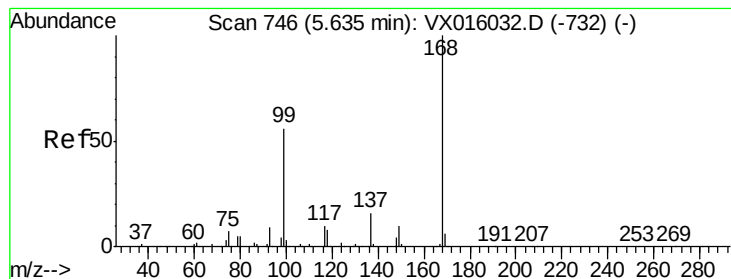
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

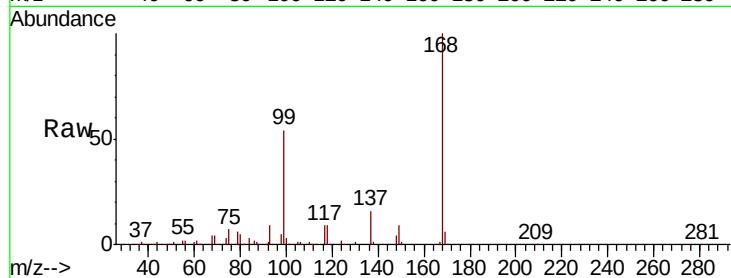
STORAGE-BLANK-SOIL-REF-5

Tot Ion:168 Resp: 256117

Ion Ratio Lower Upper

168 100

99 54.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

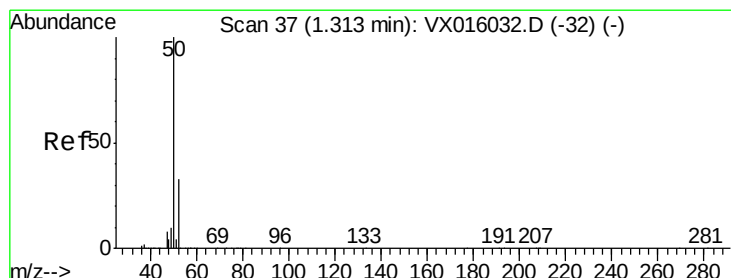
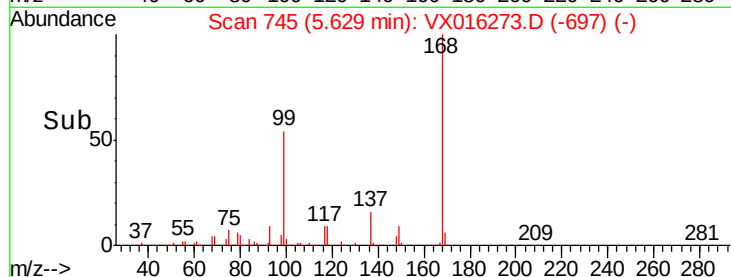
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.751 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016273.D

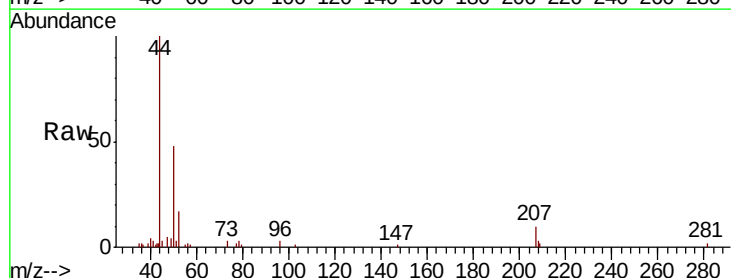
Acq: 15 May 2020 12:24

Tgt Ion: 50 Resp: 2364

Ion Ratio Lower Upper

50 100

52 35.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

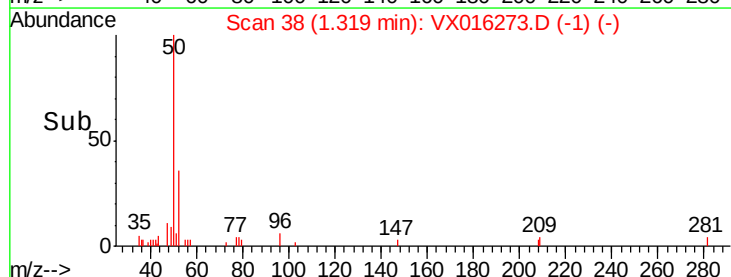
1500

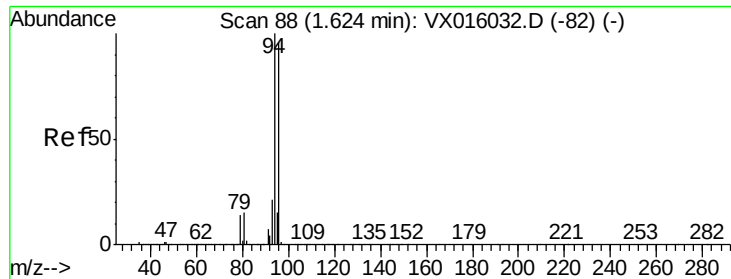
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.361 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

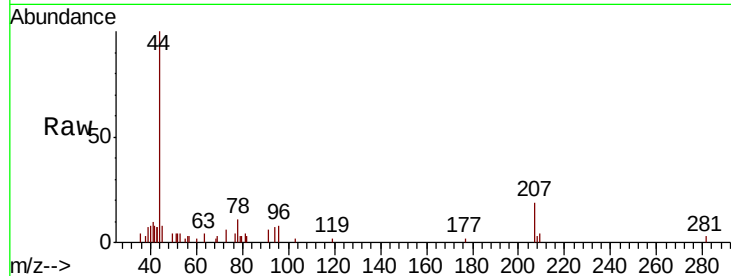
STORAGE-BLANK-SOIL-REF-5

Tot Ion: 94 Resp: 611

Ion Ratio Lower Upper

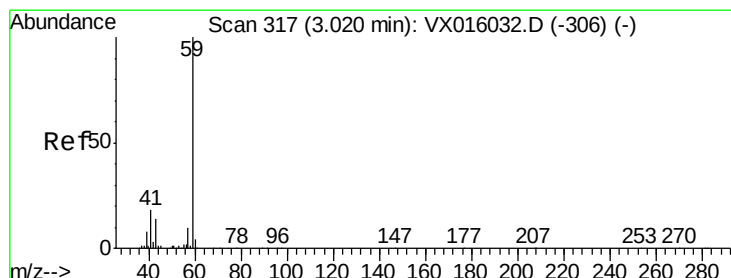
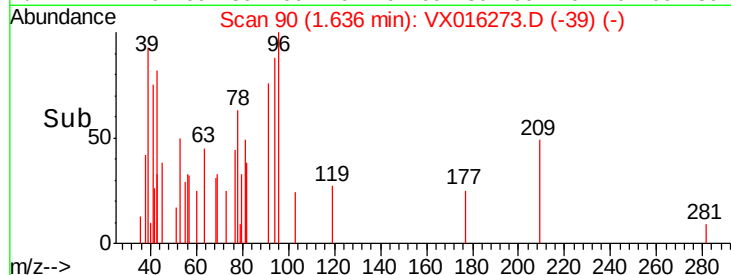
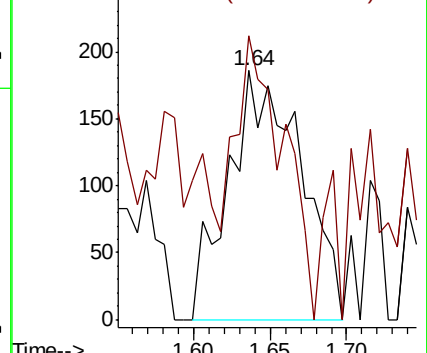
94 100

96 114.0 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.340 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016273.D

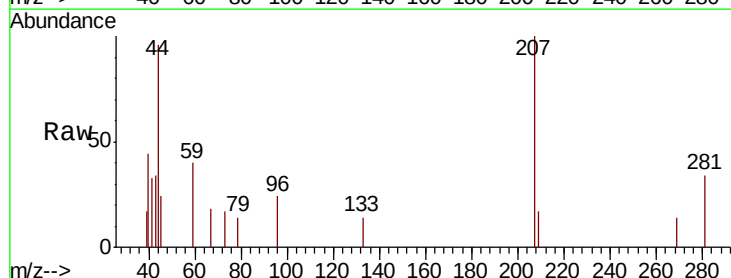
Acq: 15 May 2020 12:24

Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

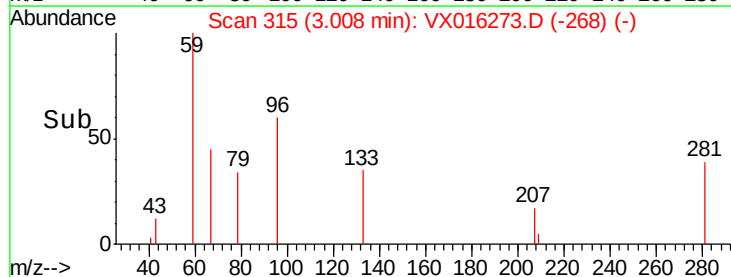
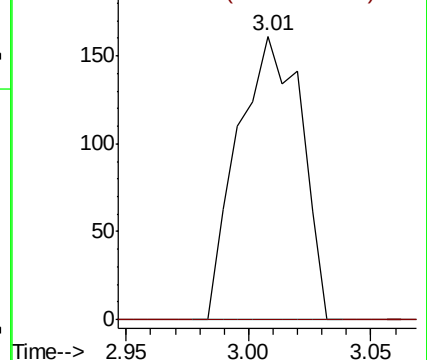
59 100

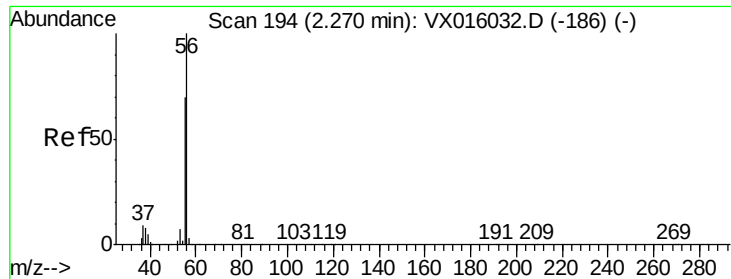
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

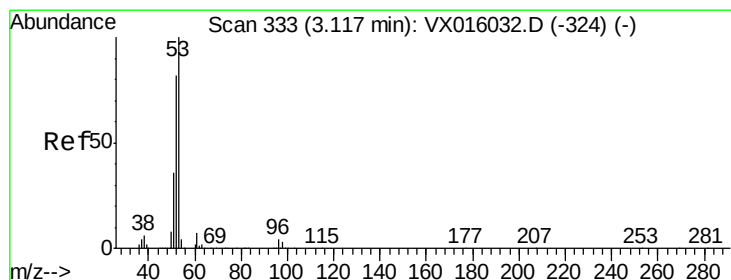
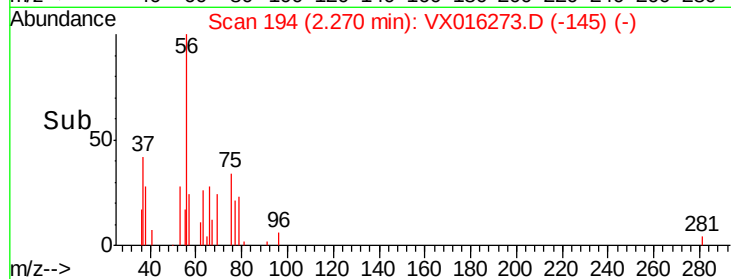
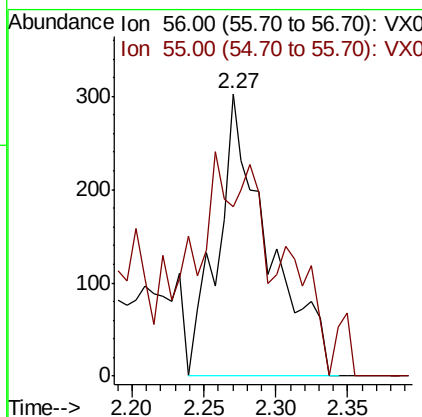
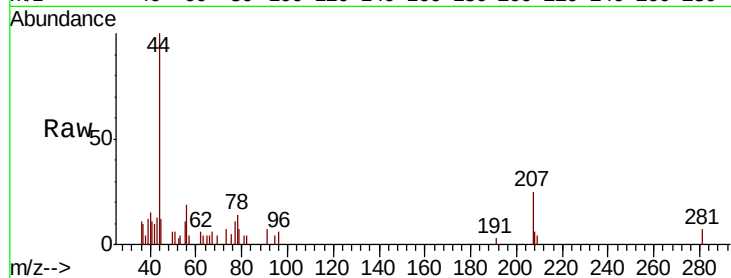




#13
 Acrolein
 Concen: 1.391 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX016273.D
 Acq: 15 May 2020 12:24

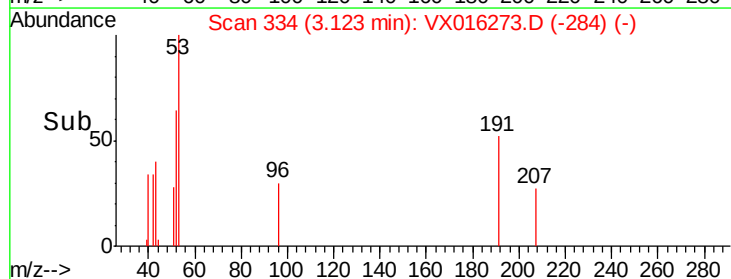
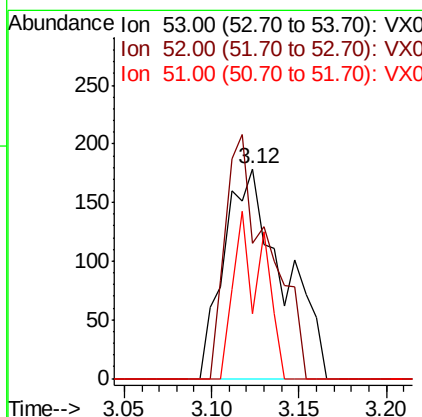
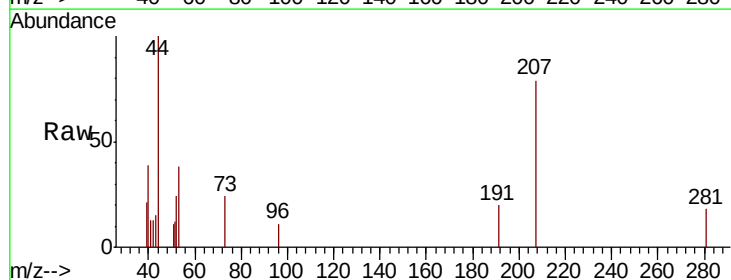
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

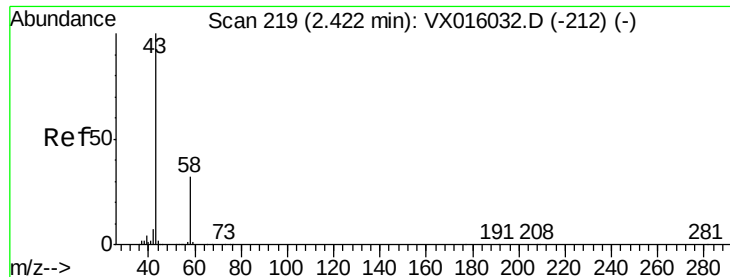
Tot Ion: 56 Resp: 742
 Ion Ratio Lower Upper
 56 100
 55 40.3 56.5 84.7#



#15
 Acrylonitrile
 Concen: 0.236 ug/l
 RT: 3.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX016273.D
 Acq: 15 May 2020 12:24

Tgt Ion: 53 Resp: 417
 Ion Ratio Lower Upper
 53 100
 52 86.1 66.1 99.1
 51 39.8 28.8 43.2

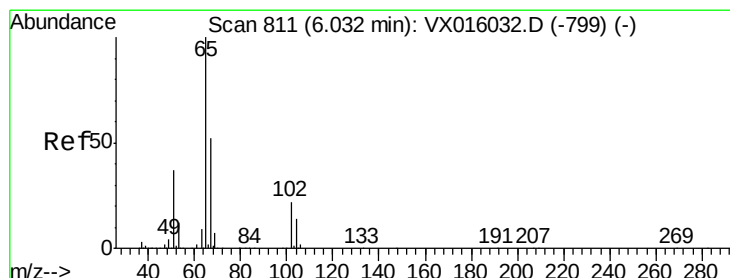
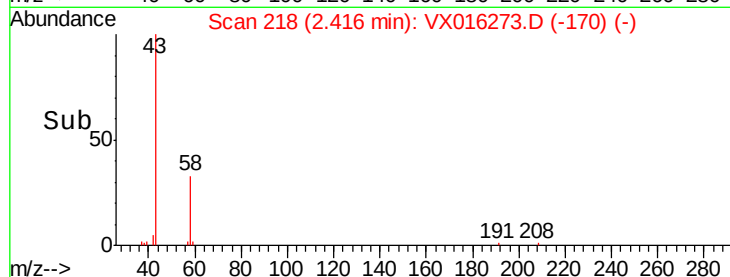
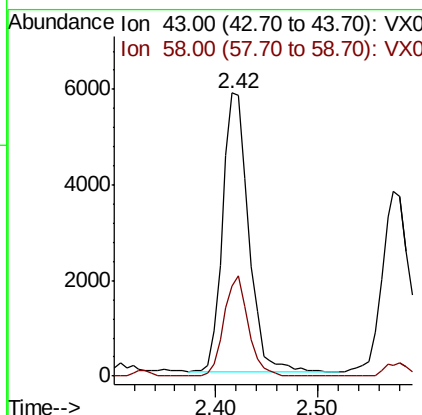
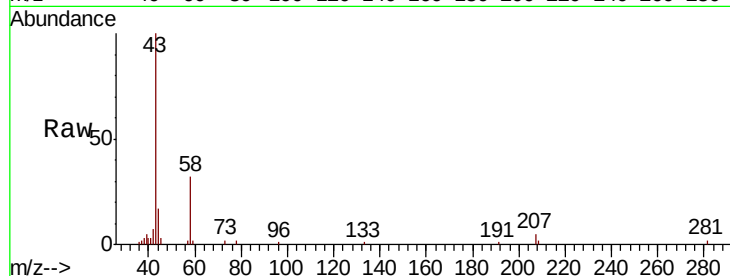




#16
Acetone
Concen: 6.873 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

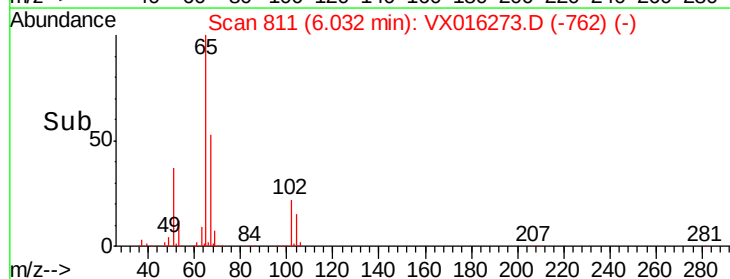
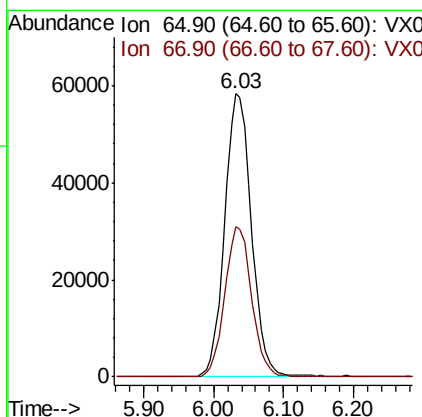
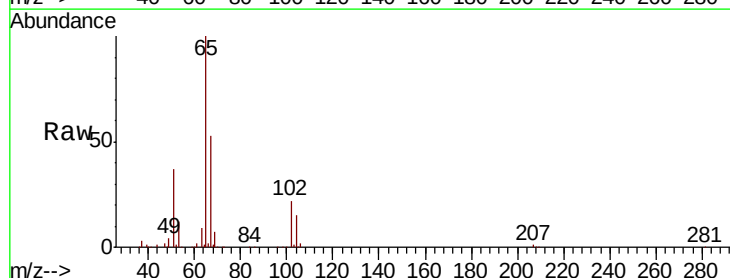
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

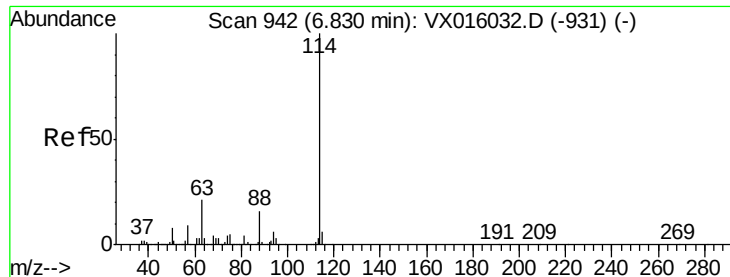
Tot Ion: 43 Resp: 10336
Ion Ratio Lower Upper
43 100
58 32.1 25.4 38.0



#33
1,2-Dichloroethane-d4
Concen: 45.982 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

Tgt Ion: 65 Resp: 154969
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

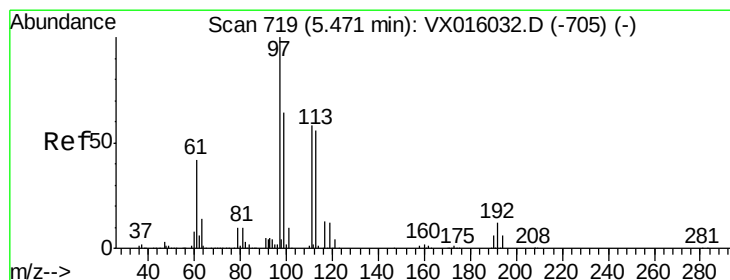
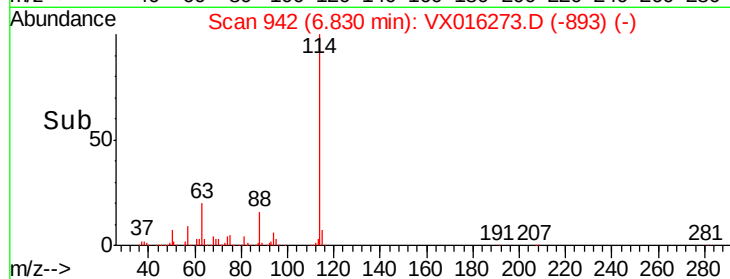
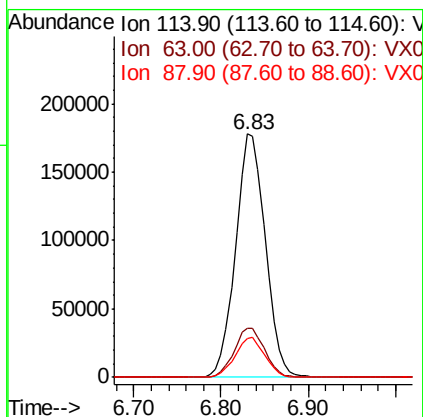
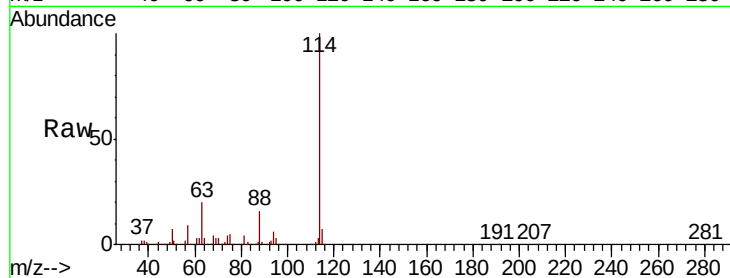




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016273.D
 Acq: 15 May 2020 12:24

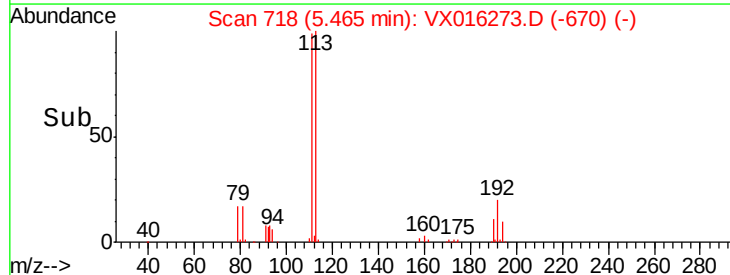
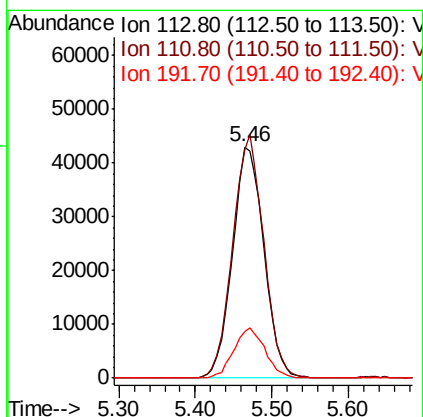
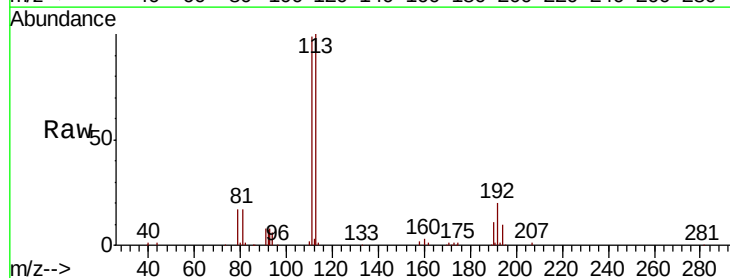
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-5

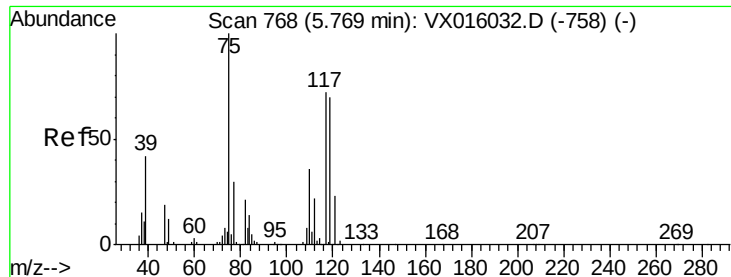
Tot Ion:	114	Resp:	421357
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.8
88	15.9	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 45.947 ug/l
 RT: 5.46 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: VX016273.D
 Acq: 15 May 2020 12:24

Tgt Ion:	113	Resp:	122654
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.6	122.4
192	21.5	17.0	25.4





#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

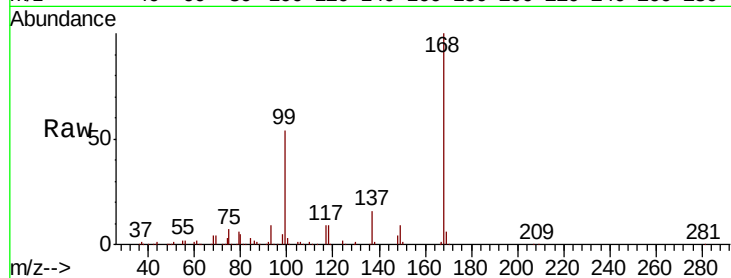
Tot Ion: 75 Resp: 18321

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

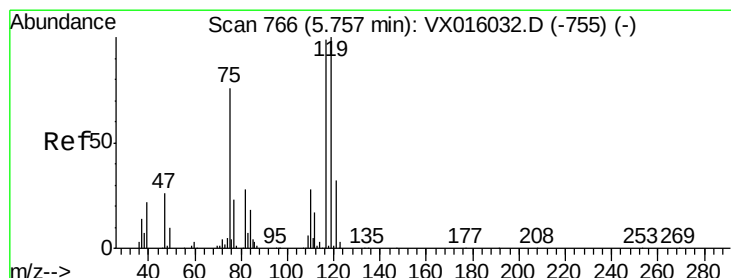
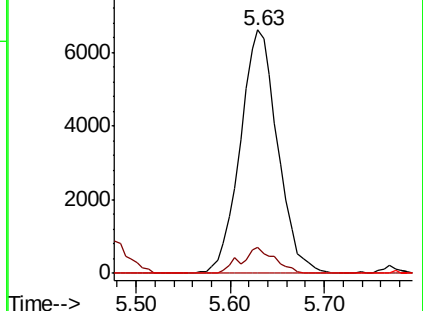
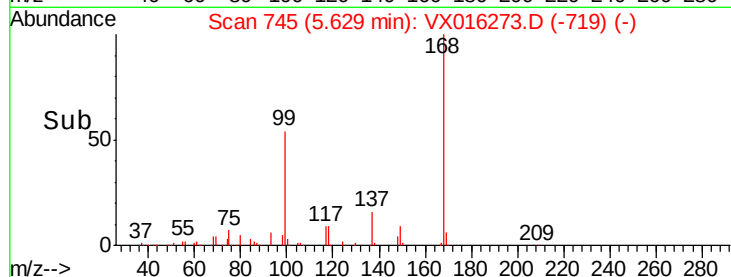
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016273.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016273.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016273.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

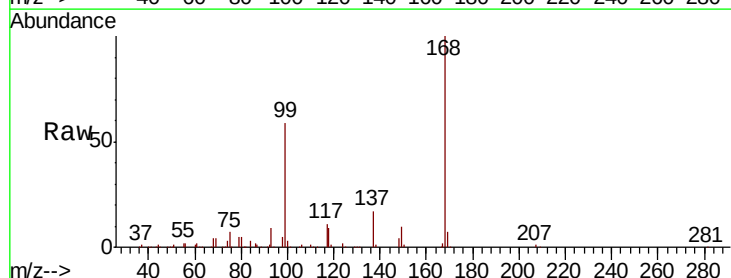
Tgt Ion: 117 Resp: 25463

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

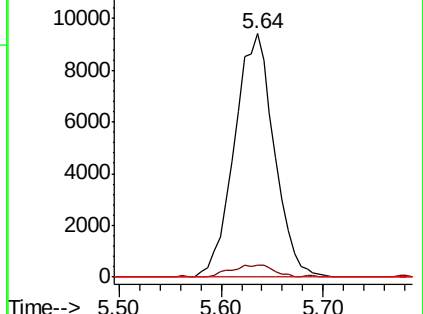
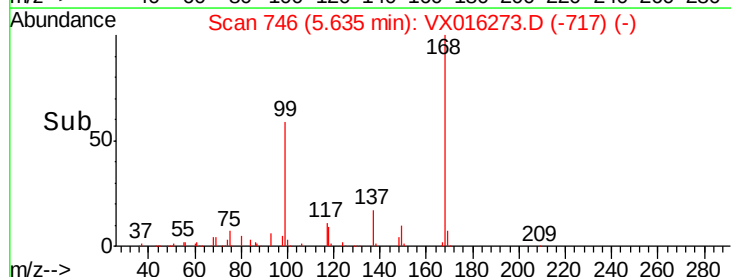
121 0.0 25.7 38.5#

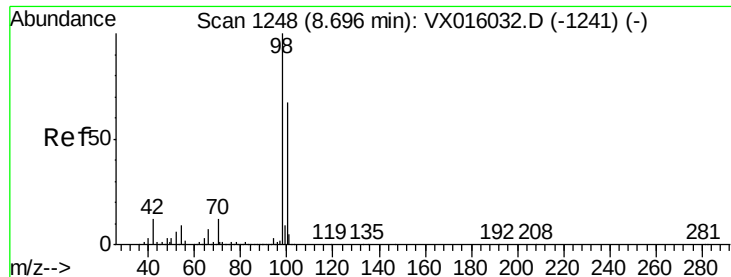


Abundance Ion 116.80 (116.50 to 117.50): VX016273.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016273.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016273.D (-717) (-)

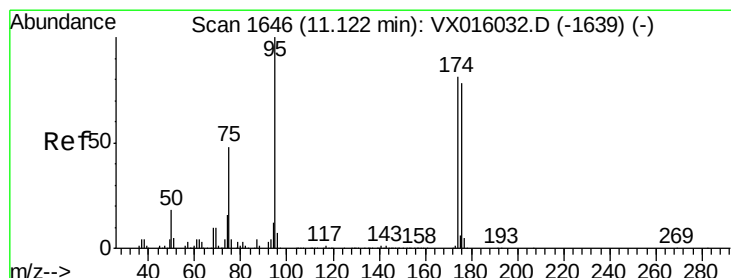
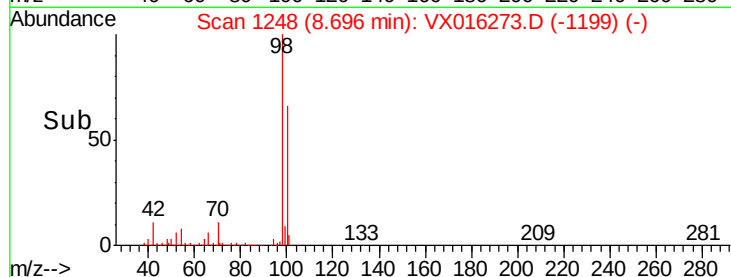
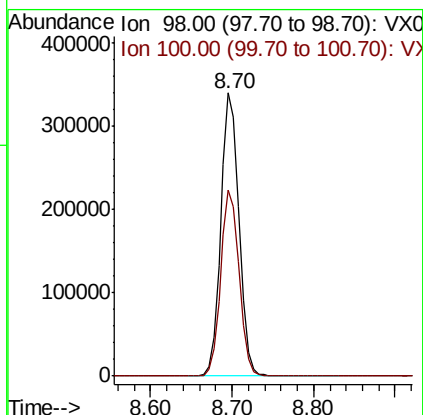
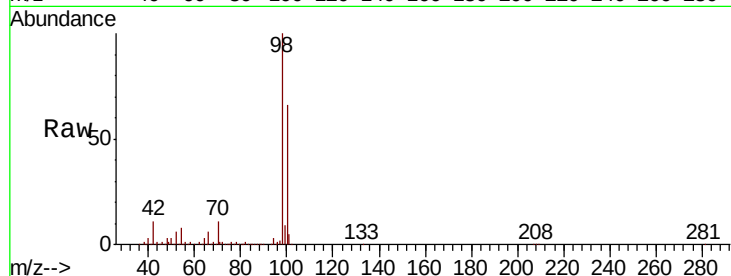




#50
Toluene-d8
Concen: 51.492 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

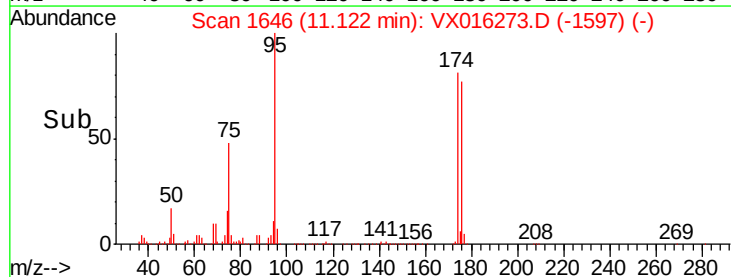
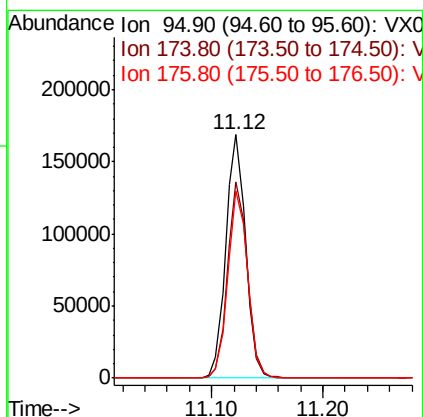
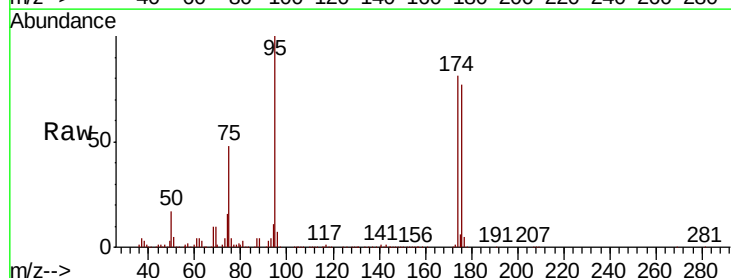
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

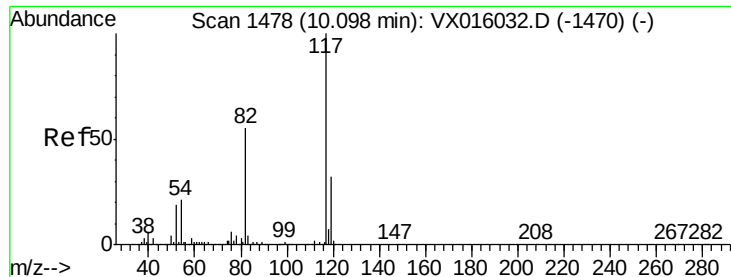
Tot Ion: 98 Resp: 529631
Ion Ratio Lower Upper
98 100
100 66.3 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 53.005 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

Tgt Ion: 95 Resp: 207364
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 77.0 0.0 157.6

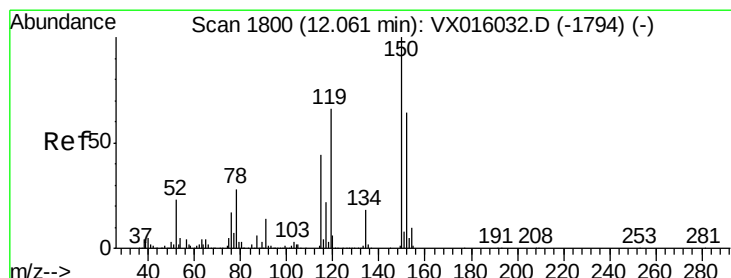
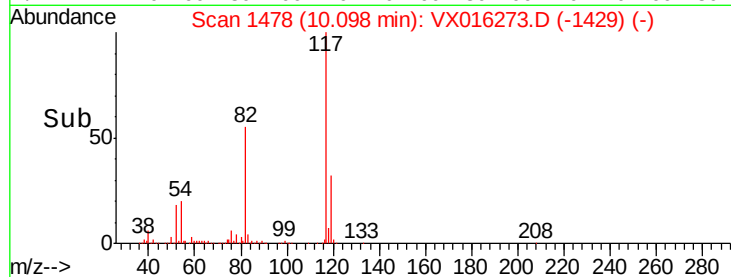
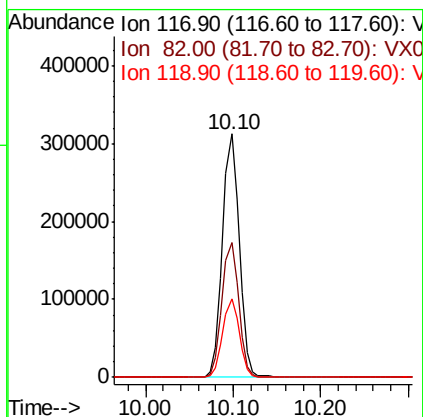
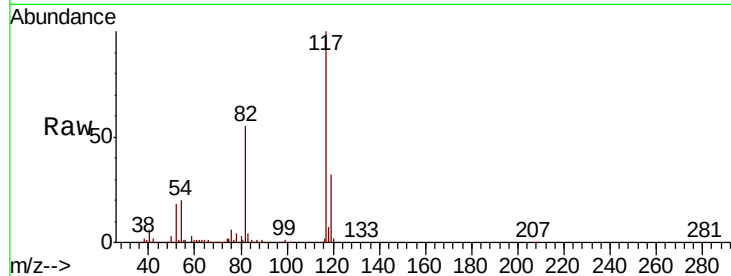




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

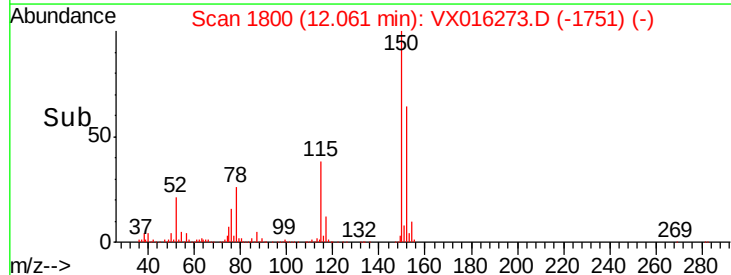
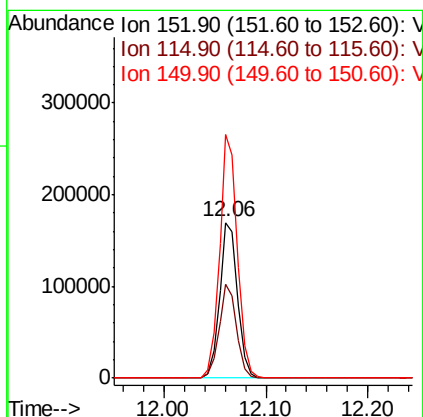
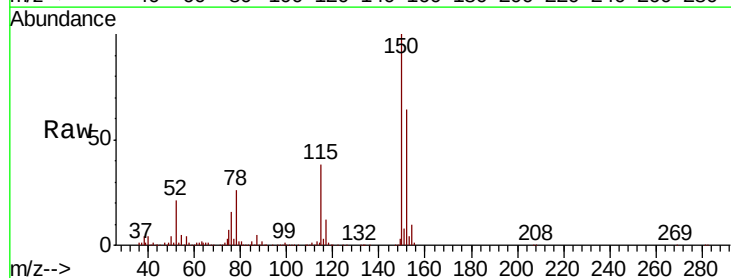
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

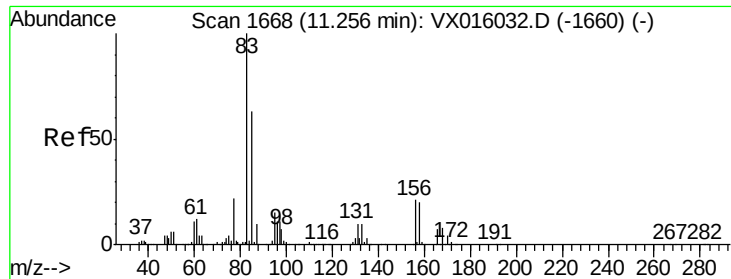
Tot Ion:117 Resp: 415505
Ion Ratio Lower Upper
117 100
82 55.5 44.4 66.6
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016273.D
Acq: 15 May 2020 12:24

Tgt Ion:152 Resp: 207597
Ion Ratio Lower Upper
152 100
115 58.9 41.3 124.1
150 155.1 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.095 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

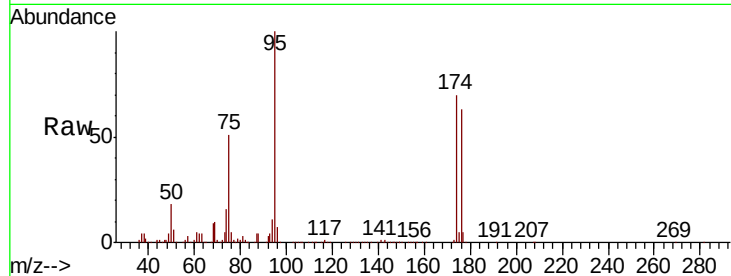
Tot Ion: 83 Resp: 129

Ion Ratio Lower Upper

83 100

131 200.8 5.1 15.4#

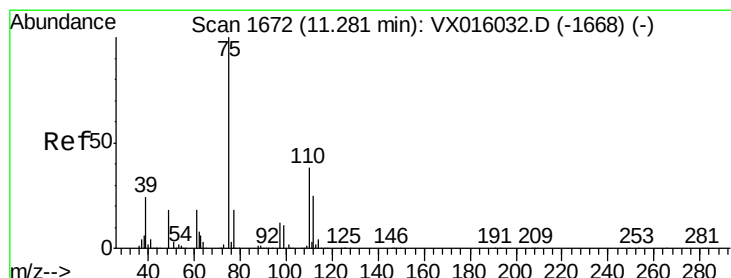
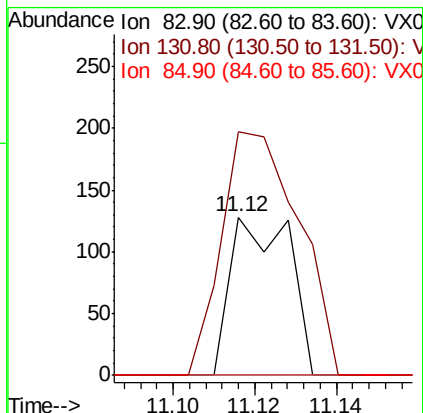
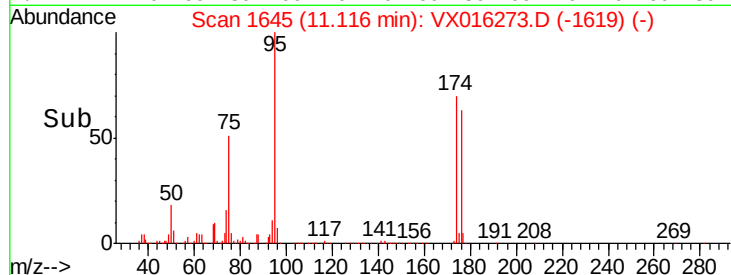
85 0.0 32.0 96.0#



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: 21.416 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016273.D

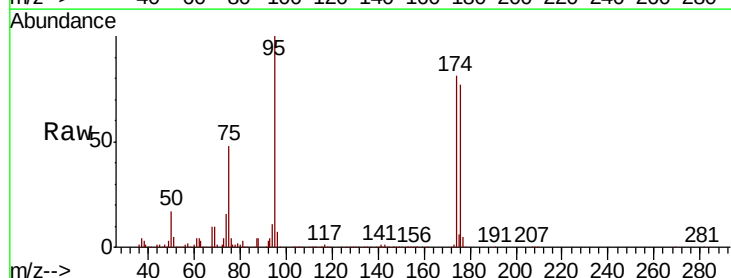
Acq: 15 May 2020 12:24

Tgt Ion: 75 Resp: 100886

Ion Ratio Lower Upper

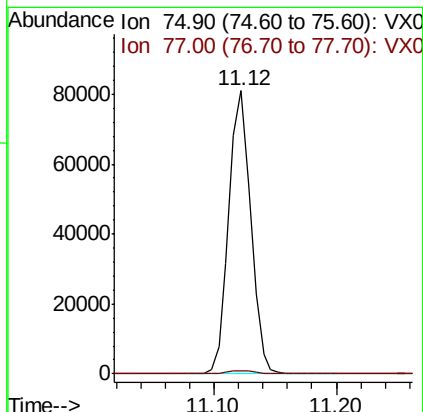
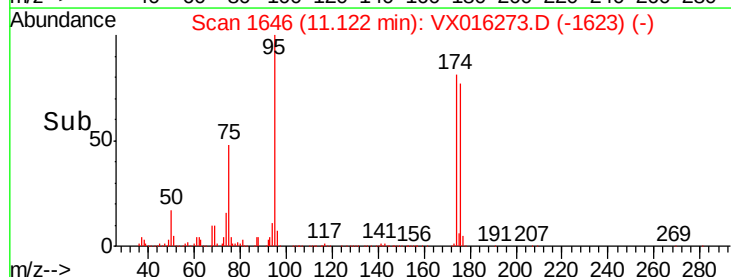
75 100

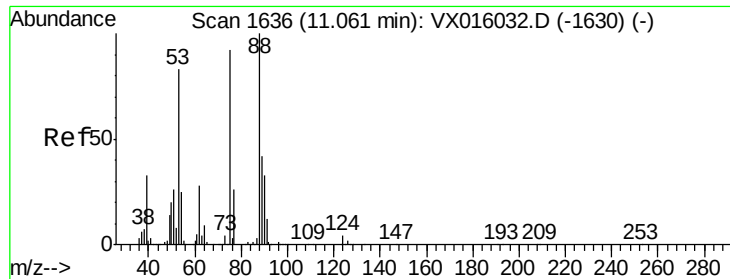
77 1.4 21.2 63.6#



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: 51.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-5

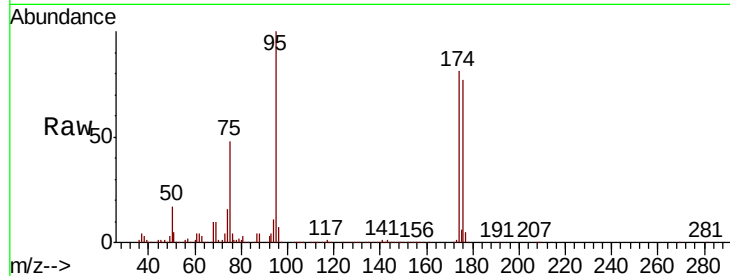
Tot Ion: 75 Resp: 100886

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

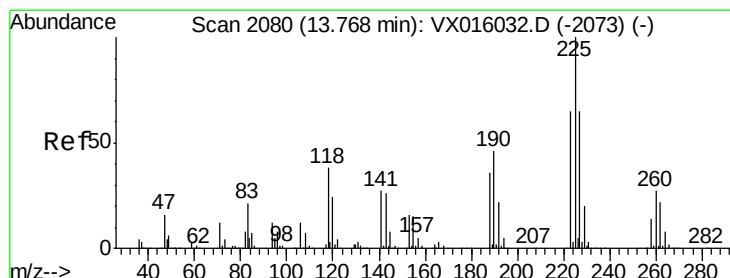
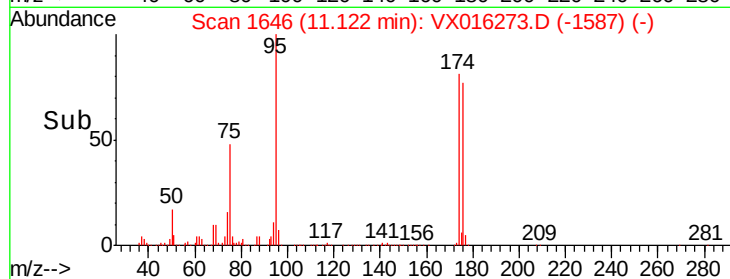
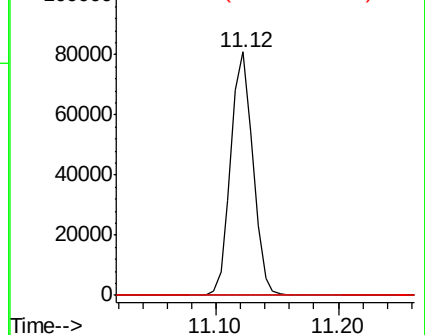
89 0.0 36.7 55.1#



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: 0.641 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016273.D

Acq: 15 May 2020 12:24

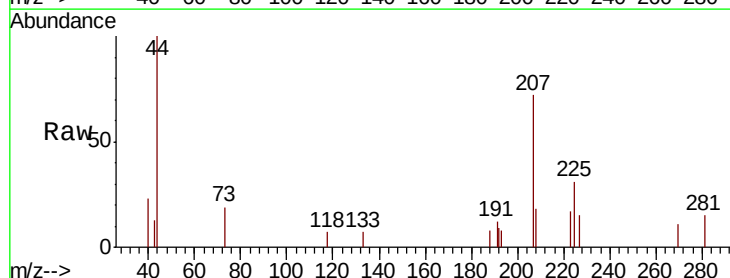
Tgt Ion: 225 Resp: 255

Ion Ratio Lower Upper

225 100

223 54.1 32.3 96.9

227 58.0 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

