

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016772.D
 Acq On : 16 Jun 2020 12:28
 Operator : JC/SP
 Sample : L3000-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 17 03:55:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	244326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	394340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193876	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	139390	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
35) Dibromofluoromethane	5.46	113	116906	48.05	ug/l	0.00
Spiked Amount						
			Recovery	=	96.10%	
50) Toluene-d8	8.70	98	477481	53.22	ug/l	0.00
Spiked Amount						
			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.12	95	187691	54.70	ug/l	0.00
Spiked Amount						
			Recovery	=	109.40%	

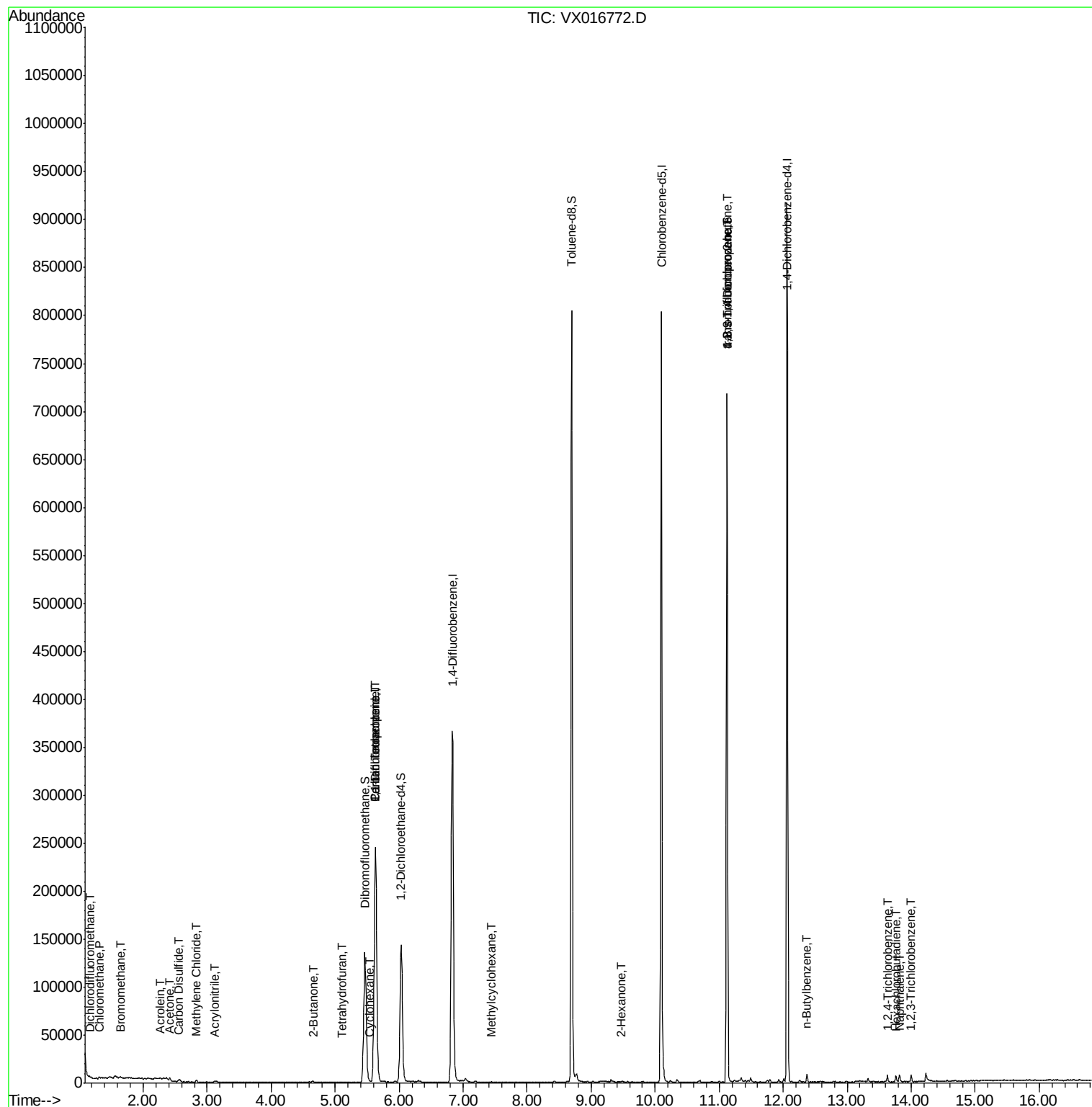
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	186	0.212	ug/l #	42
3) Chloromethane	1.31	50	1042	0.391	ug/l	98
5) Bromomethane	1.64	94	525	0.297	ug/l	97
13) Acrolein	2.28	56	554	4.173	ug/l #	81
15) Acrylonitrile	3.12	53	553	0.395	ug/l #	80
16) Acetone	2.42	43	3616	2.901	ug/l	98
17) Carbon Disulfide	2.56	76	2344	0.343	ug/l	96
20) Methylene Chloride	2.84	84	701	0.261	ug/l #	74
25) 2-Butanone	4.67	43	467	0.249	ug/l	90
29) Tetrahydrofuran	5.11	42	305	0.251	ug/l #	28
31) Cyclohexane	5.54	56	224	0.757	ug/l #	13
36) 1,1-Dichloropropene	5.64	75	16995	4.877	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23335	5.896	ug/l #	17
39) Methylcyclohexane	7.44	83	380	1.045	ug/l #	76
59) 2-Hexanone	9.47	43	619	0.218	ug/l	69
76) 1,2,3-Trichloropropane	11.12	75	90893	22.293	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	90893	56.123	ug/l #	13
89) n-Butylbenzene	12.37	91	2475	0.274	ug/l	94
93) 1,2,4-Trichlorobenzene	13.63	180	1664	0.391	ug/l	86
94) Hexachlorobutadiene	13.77	225	1085	0.989	ug/l	96
95) Naphthalene	13.82	128	4404	0.331	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	1777	0.425	ug/l	91

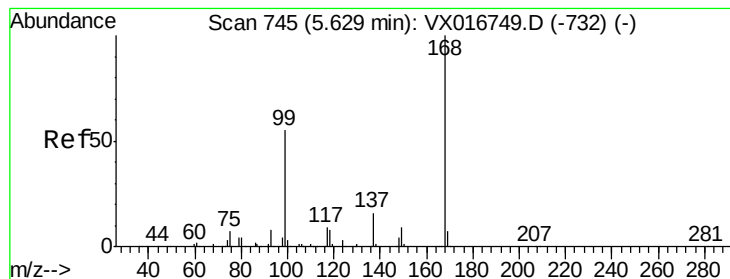
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

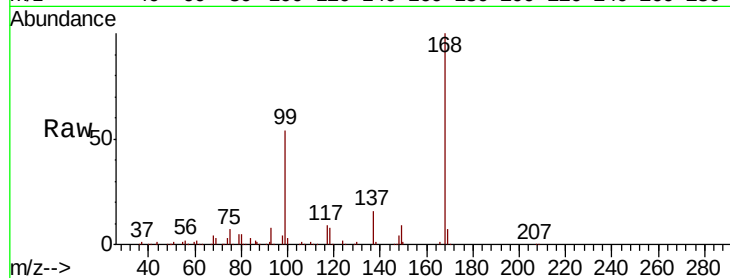
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 244326

Ion Ratio Lower Upper

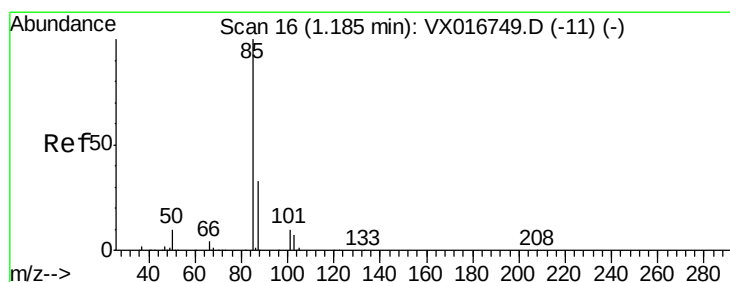
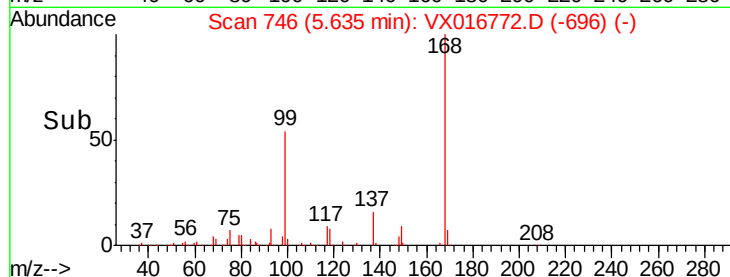
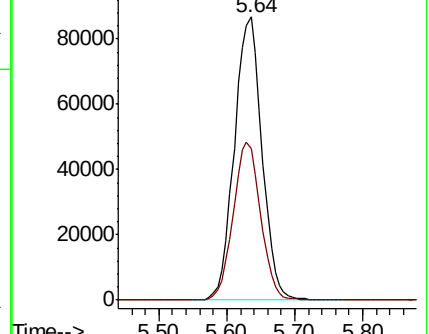
168 100

99 53.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.212 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016772.D

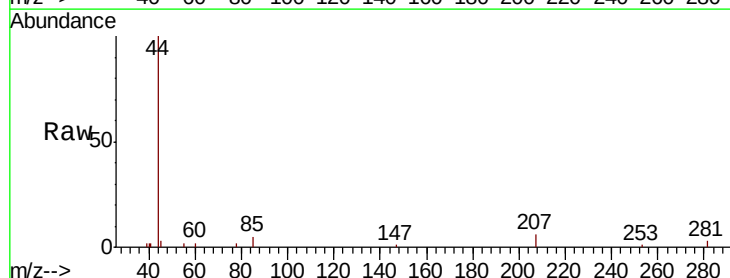
Acq: 16 Jun 2020 12:28

Tgt Ion: 85 Resp: 186

Ion Ratio Lower Upper

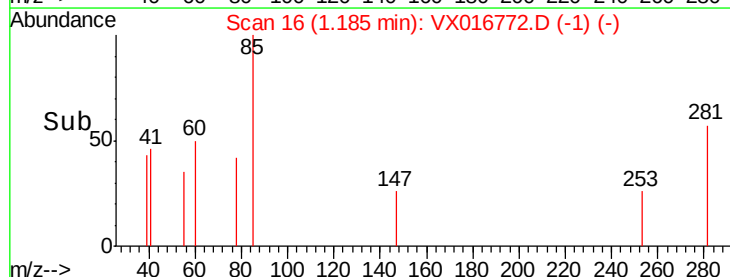
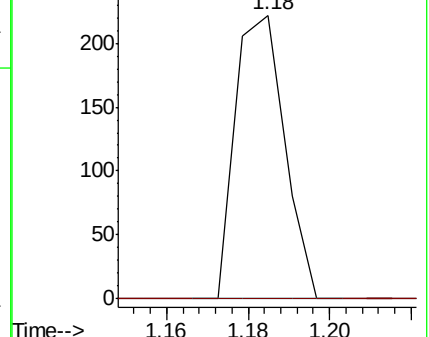
85 100

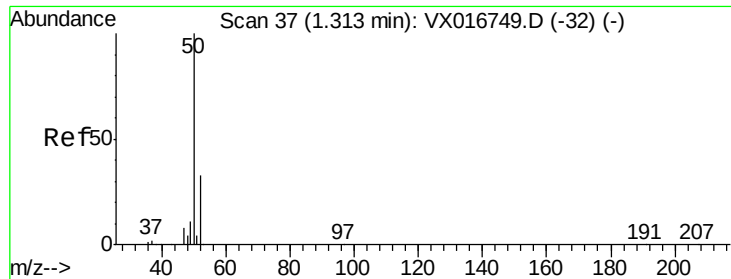
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.391 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

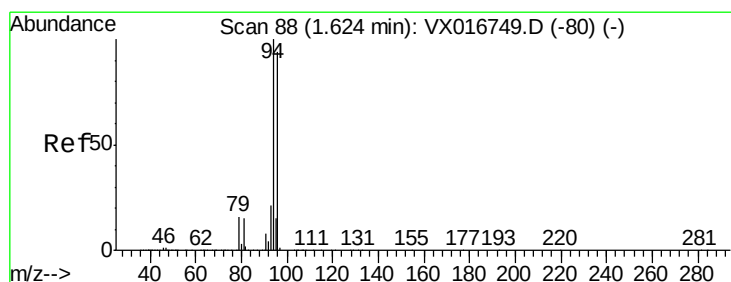
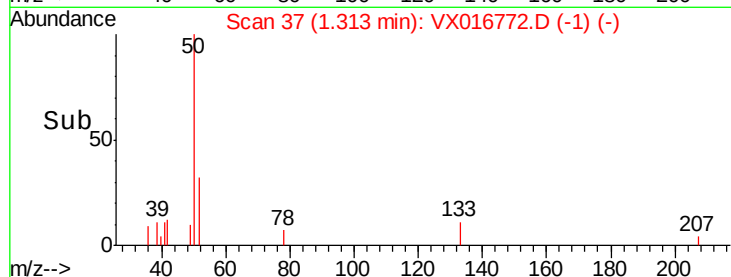
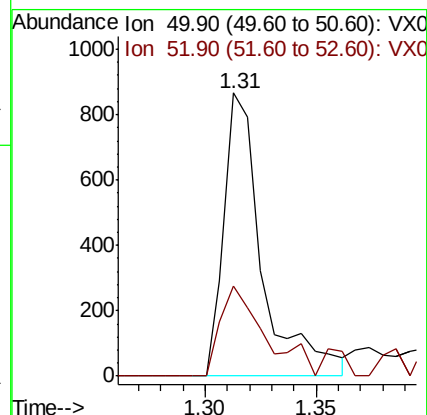
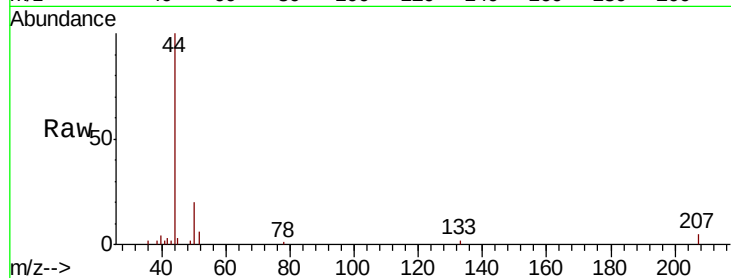
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 50 Resp: 1042

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7



#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016772.D

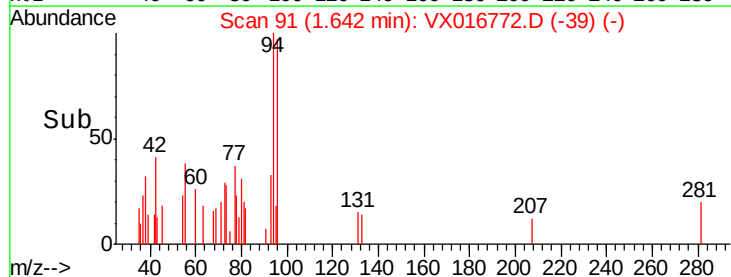
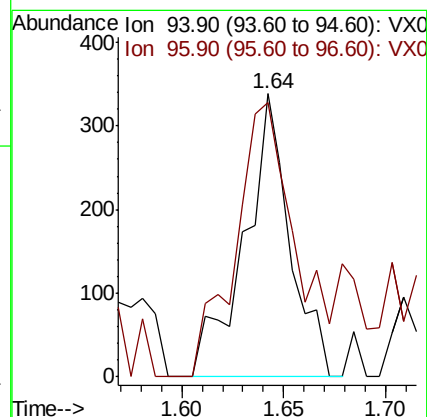
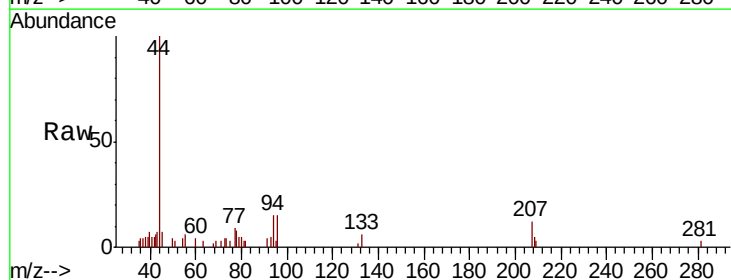
Acq: 16 Jun 2020 12:28

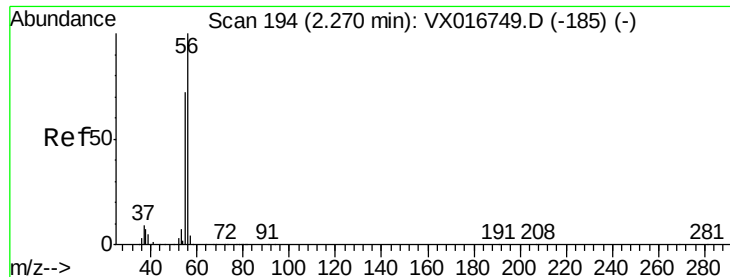
Tgt Ion: 94 Resp: 525

Ion Ratio Lower Upper

94 100

96 97.0 75.4 113.0





#13

Acrolein

Concen: 4.173 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

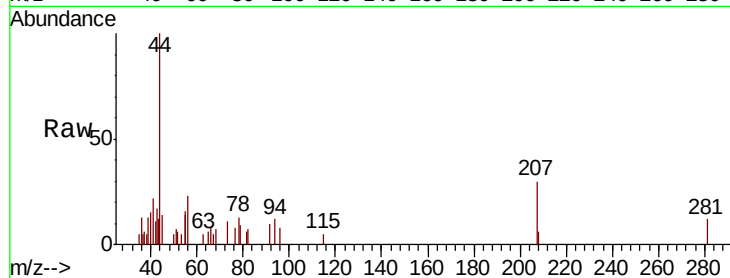
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 554

Ion Ratio Lower Upper

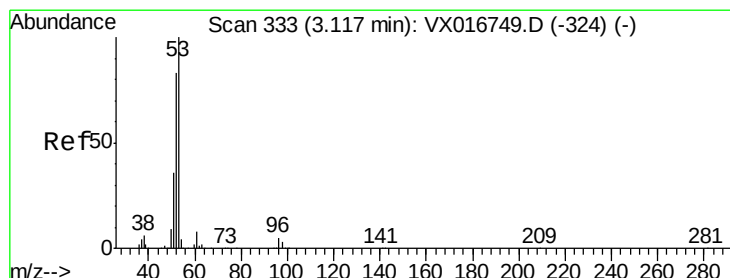
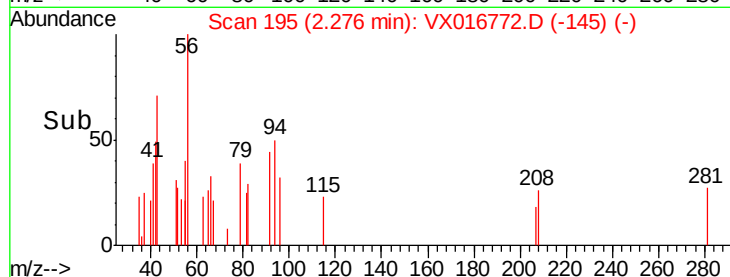
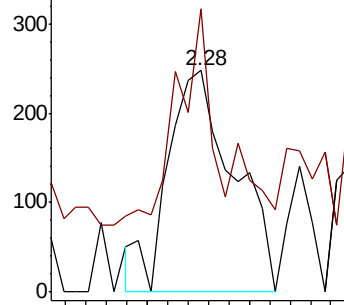
56 100

55 57.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.395 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

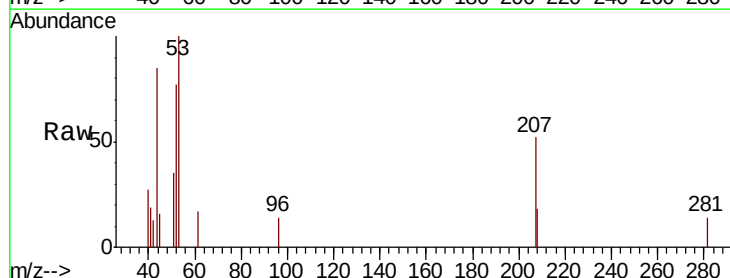
Tgt Ion: 53 Resp: 553

Ion Ratio Lower Upper

53 100

52 103.4 65.5 98.3#

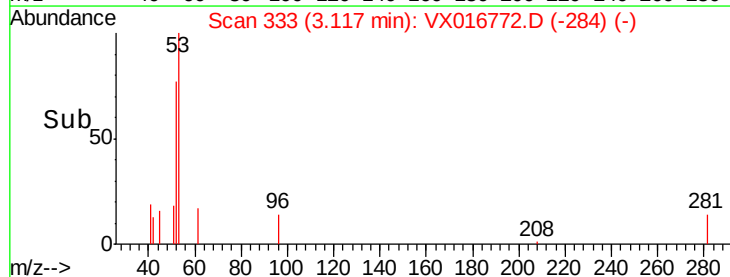
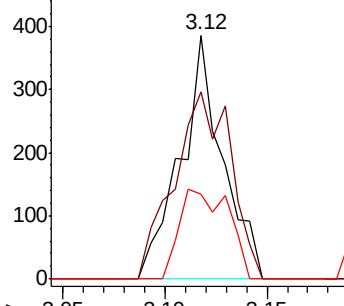
51 42.9 28.6 42.8#

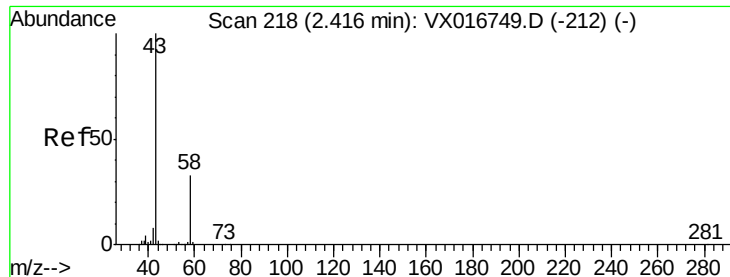


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 2.901 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

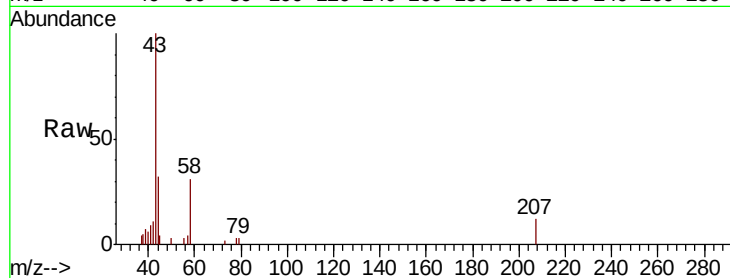
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 3616

Ion Ratio Lower Upper

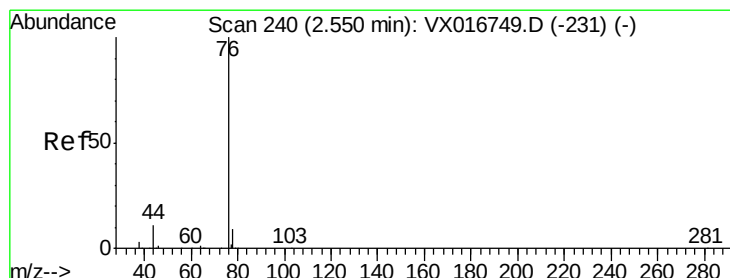
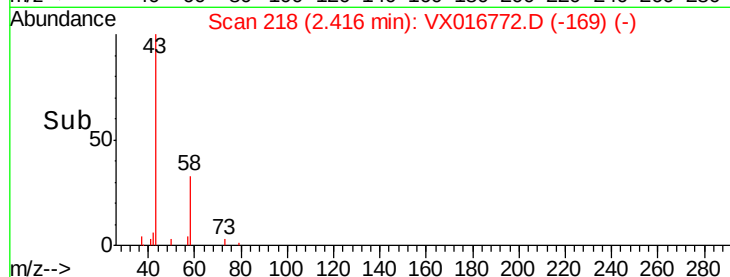
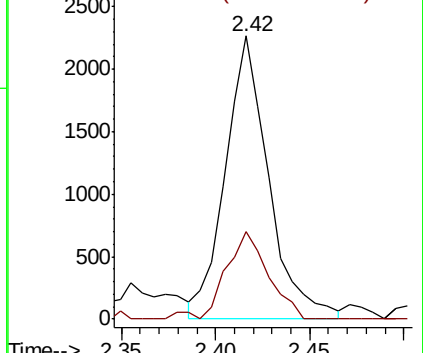
43 100

58 31.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.343 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016772.D

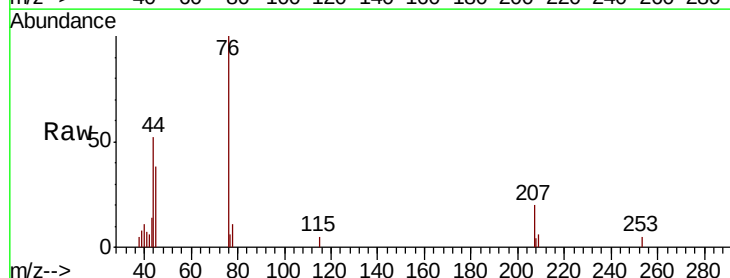
Acq: 16 Jun 2020 12:28

Tgt Ion: 76 Resp: 2344

Ion Ratio Lower Upper

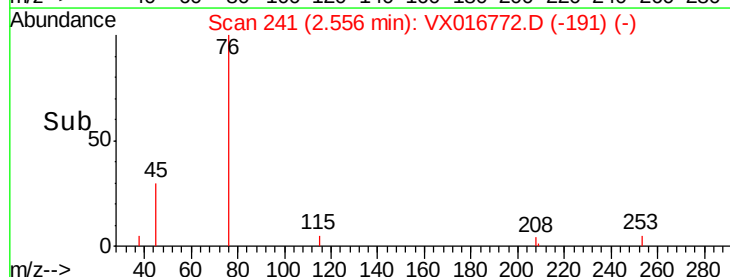
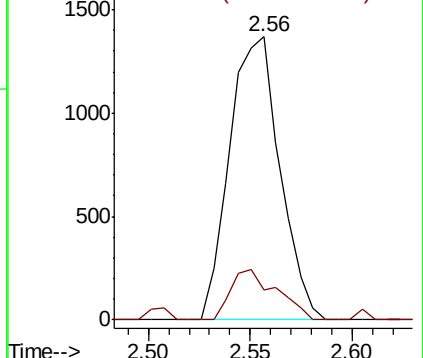
76 100

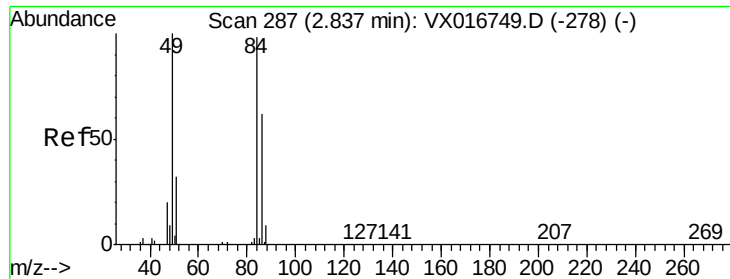
78 10.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

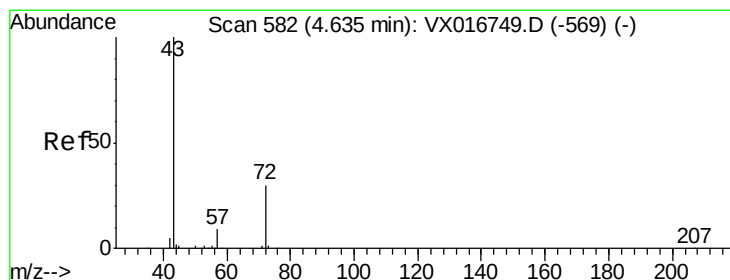
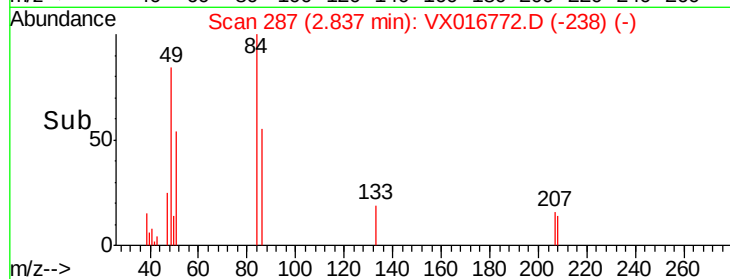
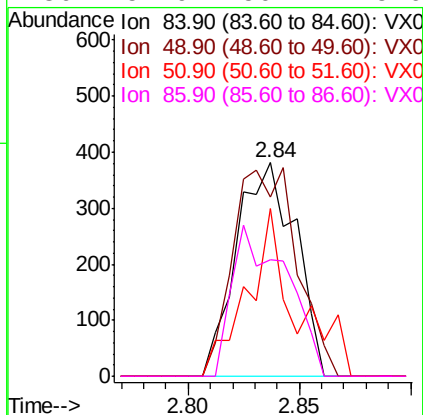
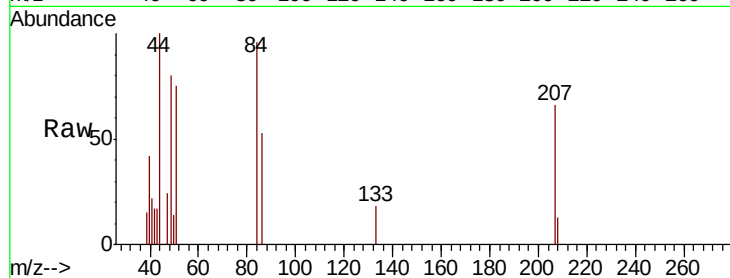




#20
Methvlene Chloride
Concen: 0.261 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

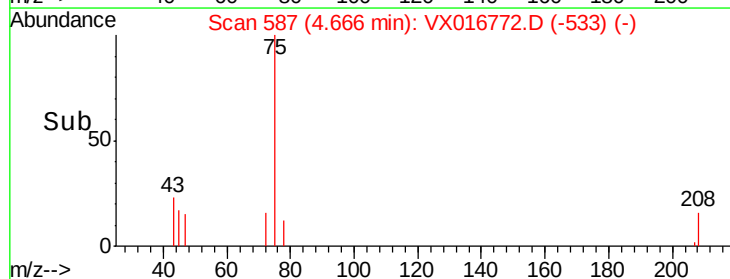
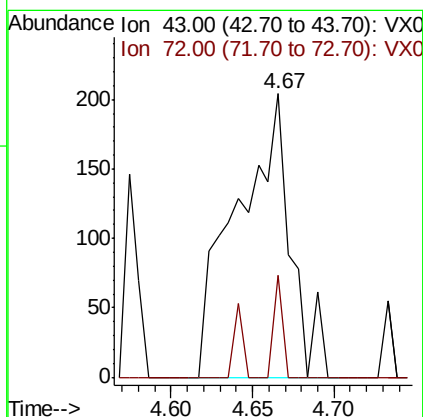
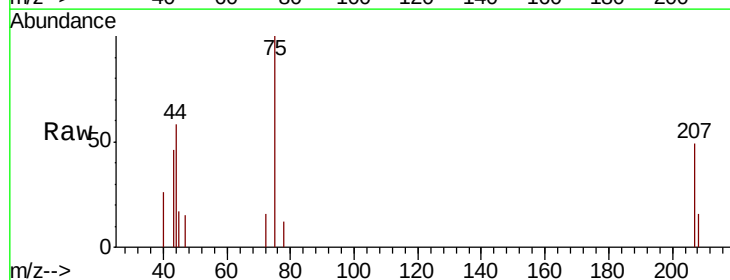
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STORAGE-BLANK-SOIL-REF-6

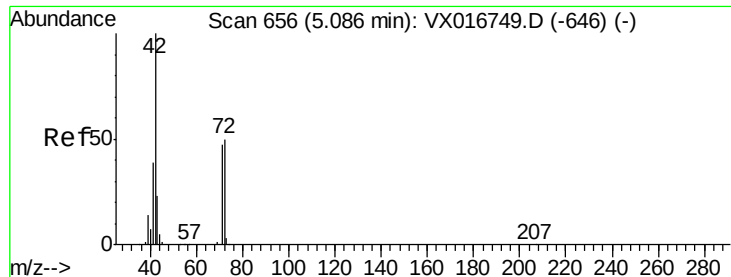
Tot Ion:	84	Resp:	701
Ion	Ratio	Lower	Upper
84	100		
49	83.7	81.8	122.8
51	78.5	25.8	38.8#
86	54.9	50.4	75.6



#25
2-Butanone
Concen: 0.249 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.03 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion:	43	Resp:	467
Ion	Ratio	Lower	Upper
43	100		
72	35.8	24.2	36.4

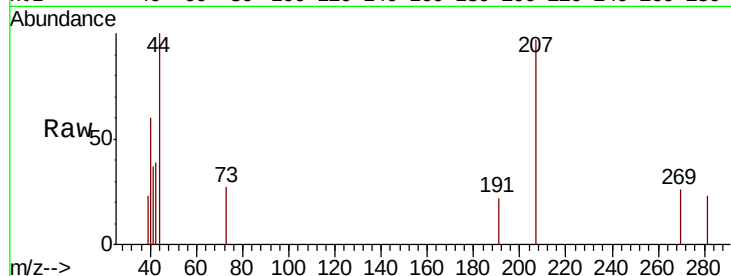




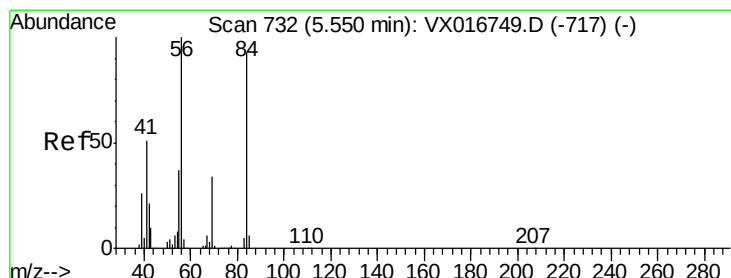
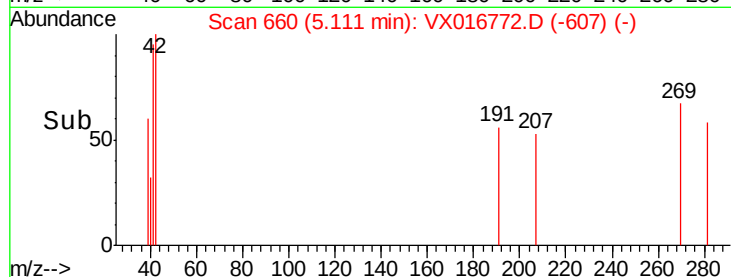
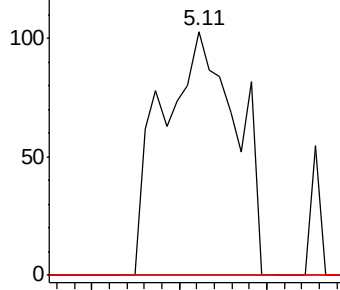
#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.6#
71 0.0 38.2 57.4#

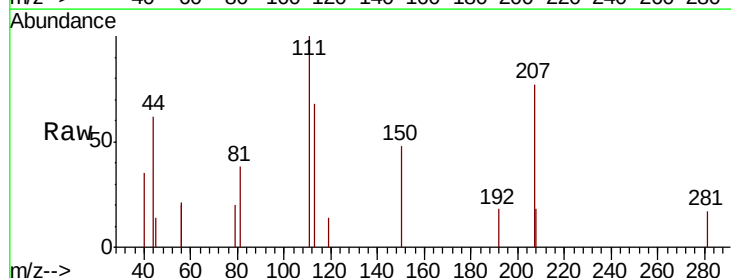


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

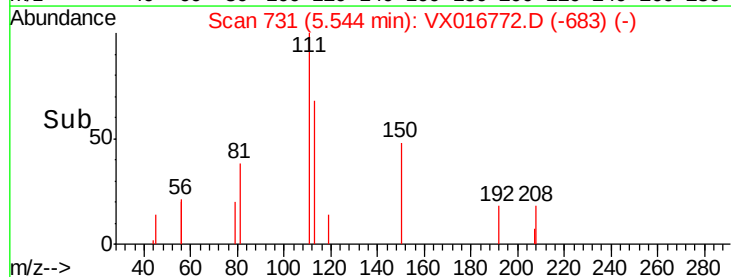
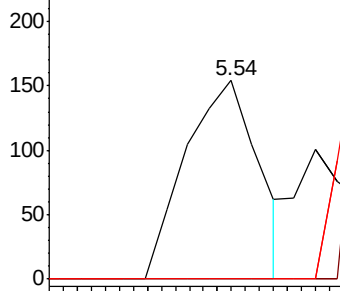


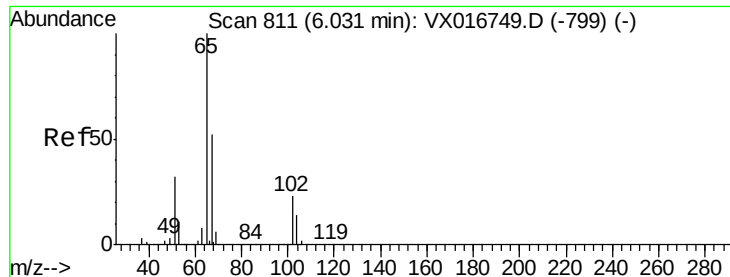
#31
Cyclohexane
Concen: 0.757 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
69 0.0 27.1 40.7#
84 0.0 74.0 111.0#



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: 50.722 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

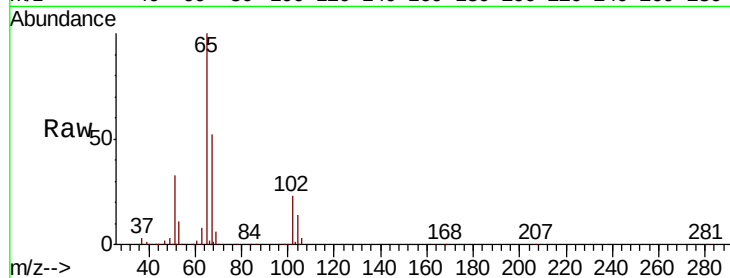
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 139390

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

50000

40000

30000

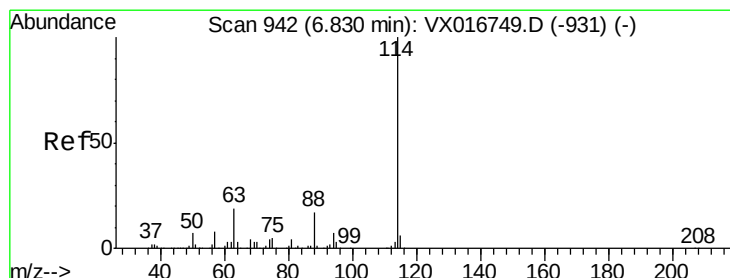
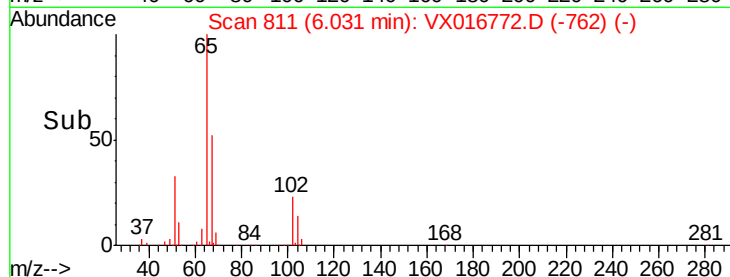
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

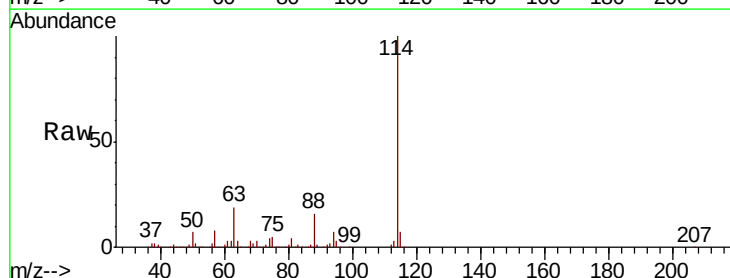
Tgt Ion: 114 Resp: 394340

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 16.3 0.0 33.4



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

200000

150000

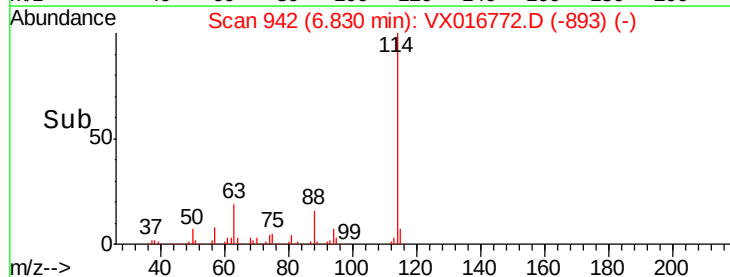
100000

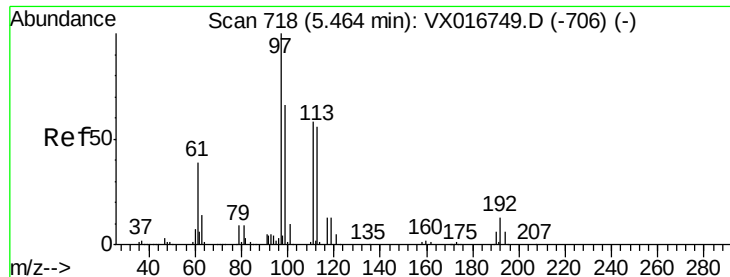
50000

0

6.70 6.80 6.90 7.00

Time-->

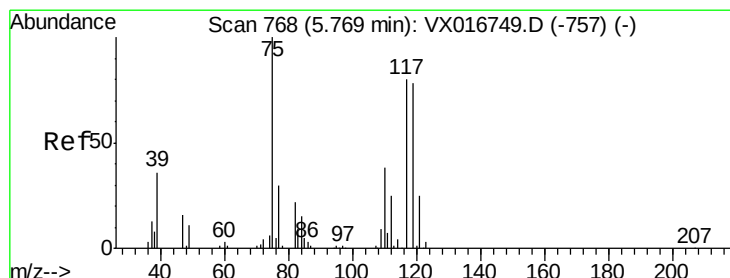
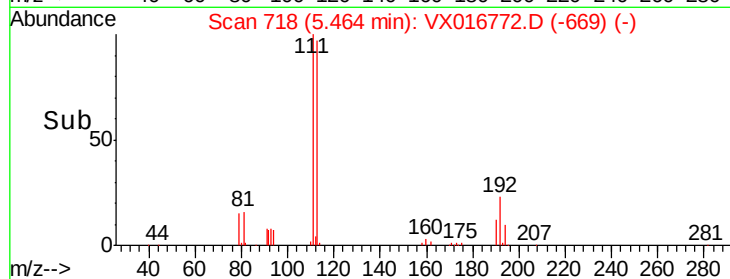
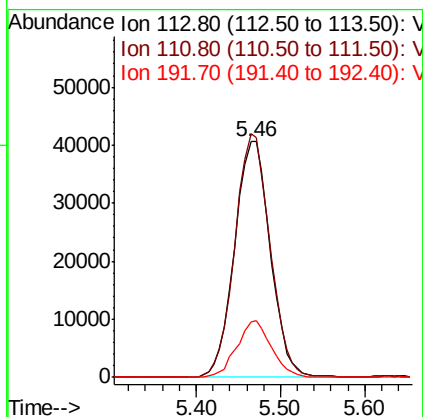
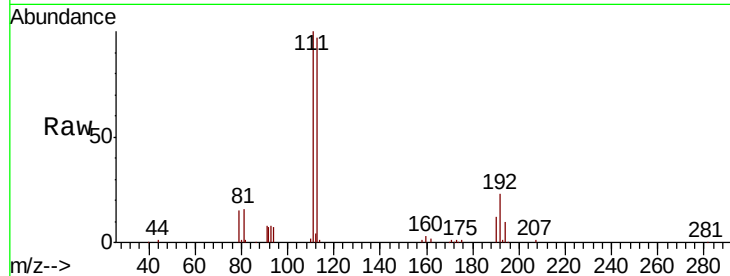




#35
Dibromofluoromethane
Concen: 48.050 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

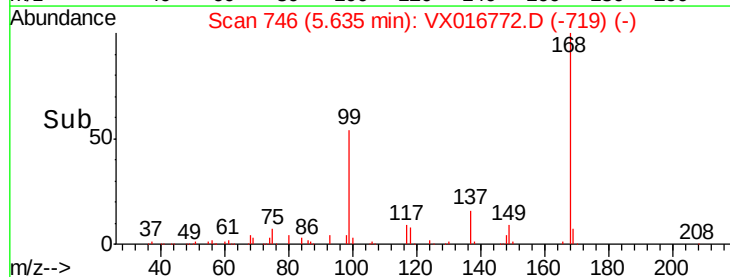
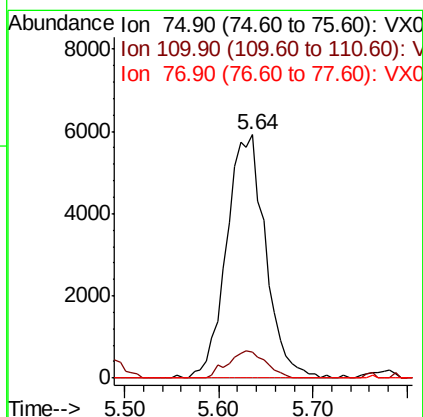
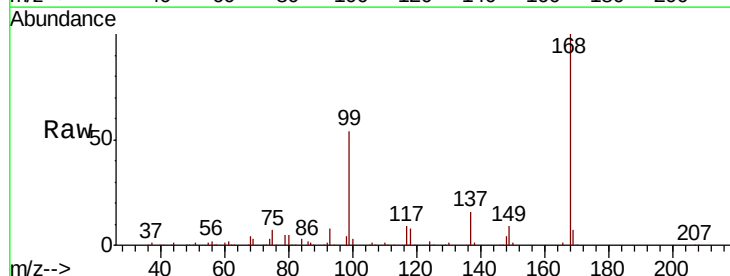
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

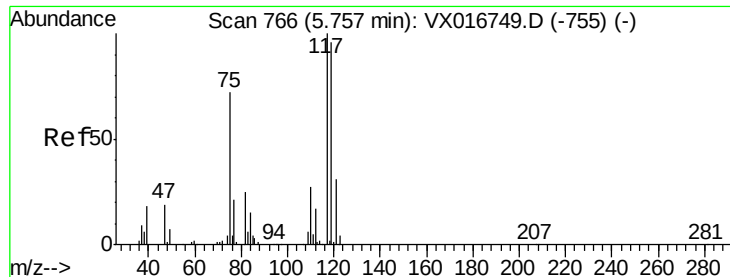
Tot Ion:113 Resp: 116906
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 23.2 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.877 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion: 75 Resp: 16995
Ion Ratio Lower Upper
75 100
110 10.9 18.4 55.2#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

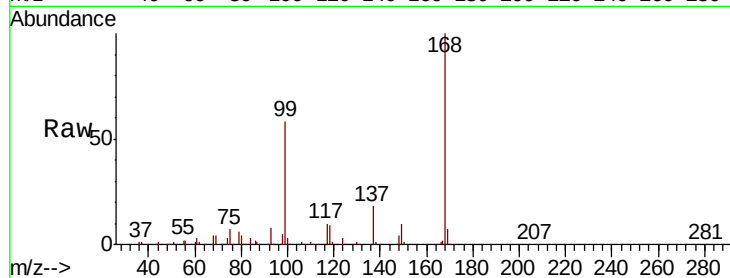
Tot Ion:117 Resp: 23335

Ion Ratio Lower Upper

117 100

119 5.9 76.7 115.1#

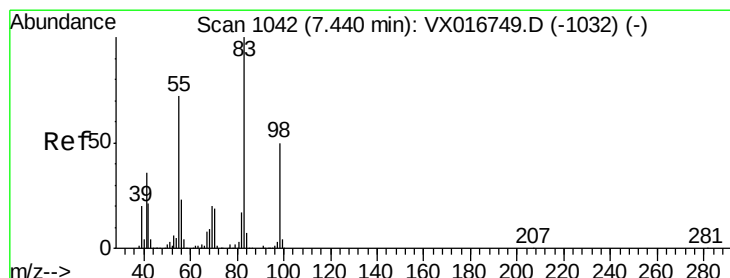
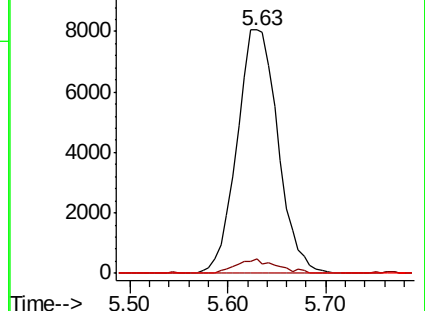
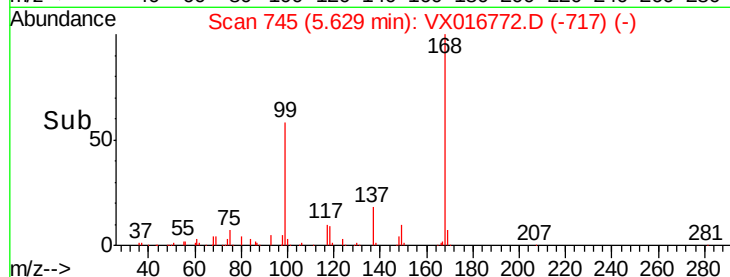
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 1.045 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

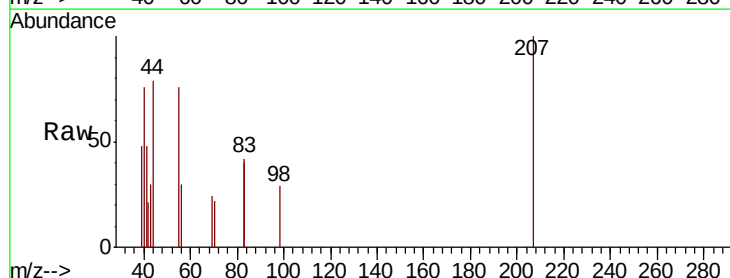
Tgt Ion: 83 Resp: 380

Ion Ratio Lower Upper

83 100

55 93.1 57.3 85.9#

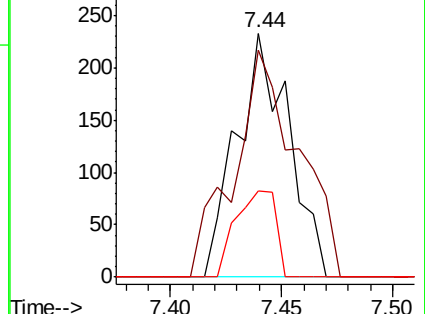
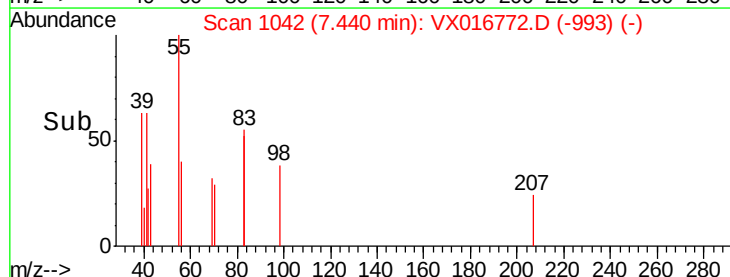
98 35.6 40.3 60.5#

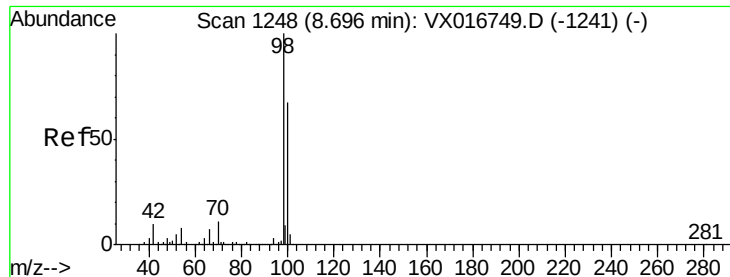


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

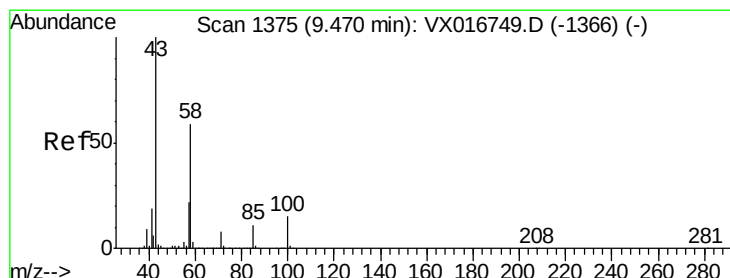
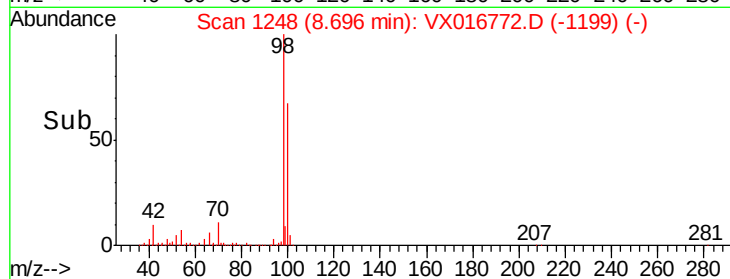
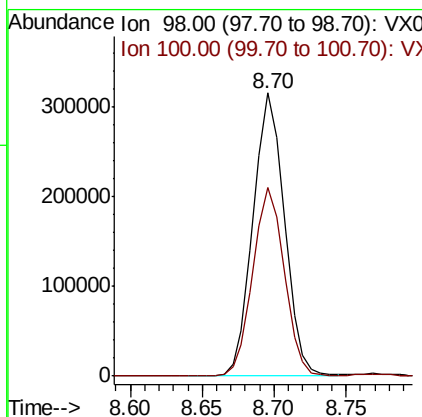
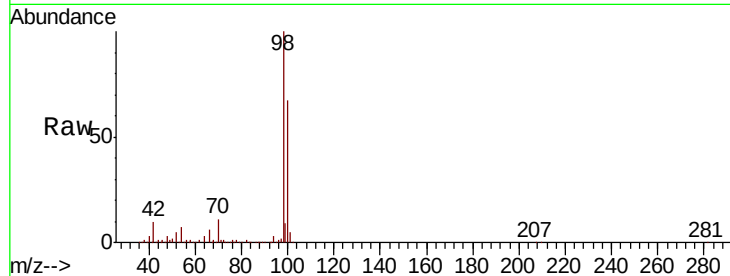




#50
Toluene-d8
Concen: 53.224 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

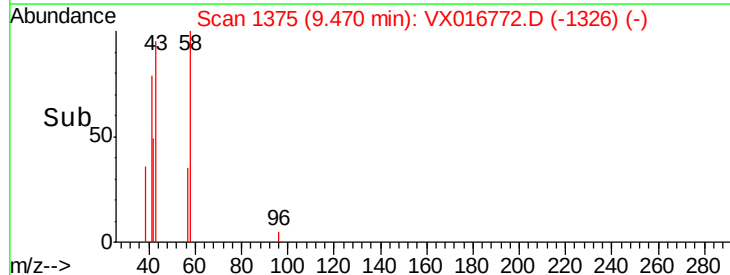
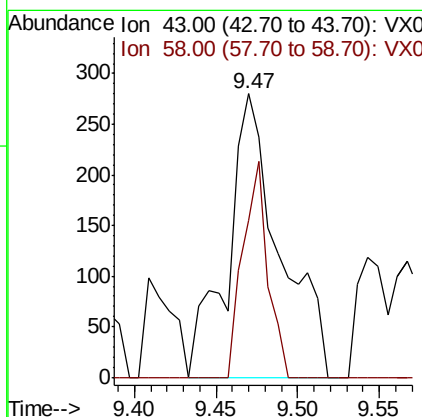
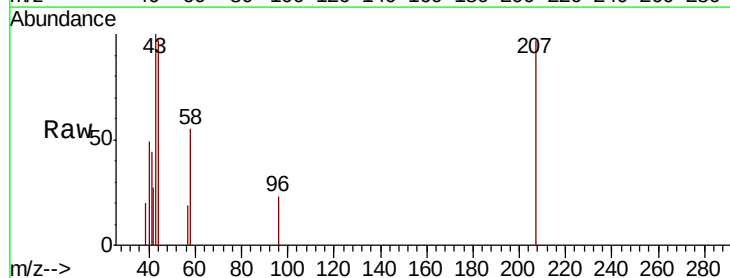
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

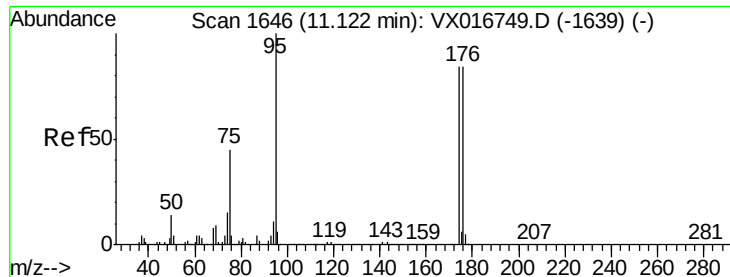
Tot Ion: 98 Resp: 477481
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#59
2-Hexanone
Concen: 0.218 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 36.5 29.9 89.8





#62

4-Bromofluorobenzene

Concen: 54.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

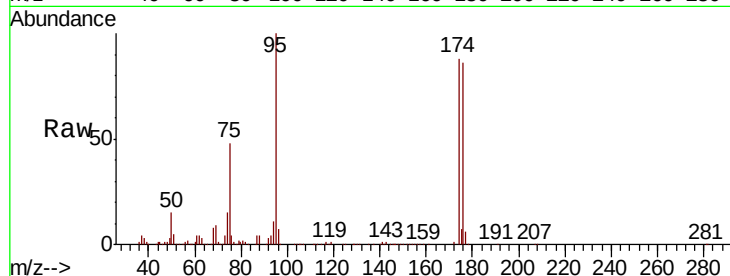
Tot Ion: 95 Resp: 187691

Ion Ratio Lower Upper

95 100

174 87.3 0.0 171.0

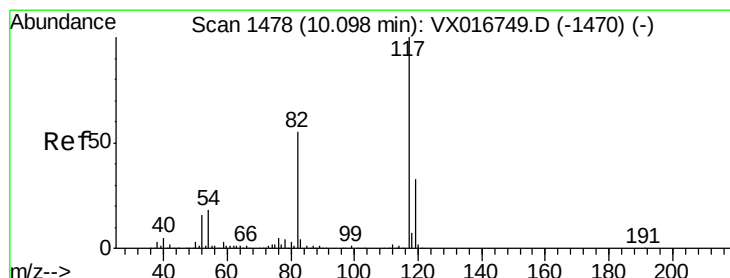
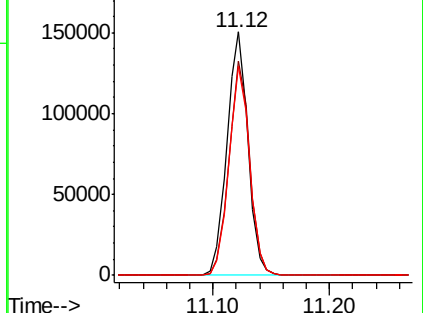
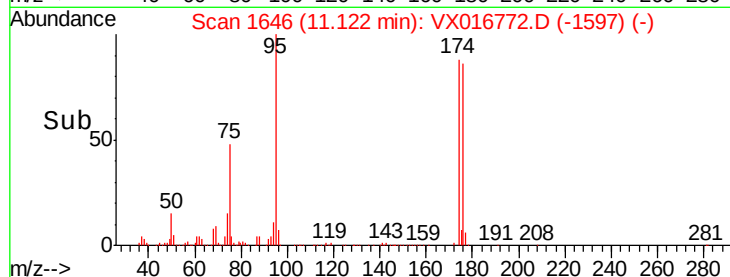
176 85.1 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016772.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016772.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016772.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

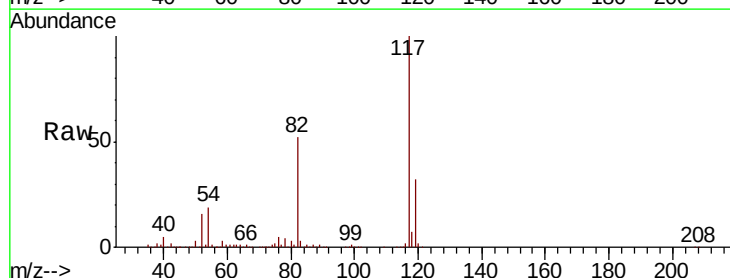
Tgt Ion: 117 Resp: 391078

Ion Ratio Lower Upper

117 100

82 51.8 43.8 65.6

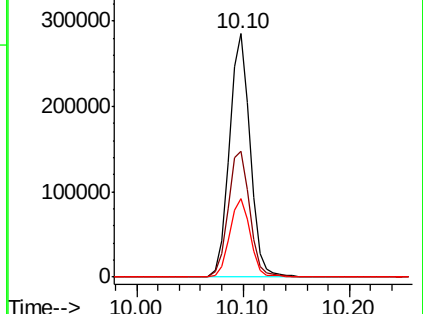
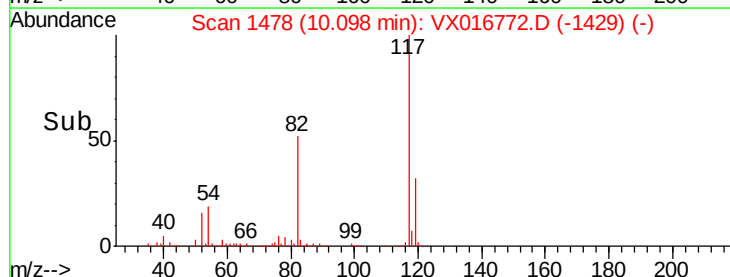
119 32.2 26.2 39.4

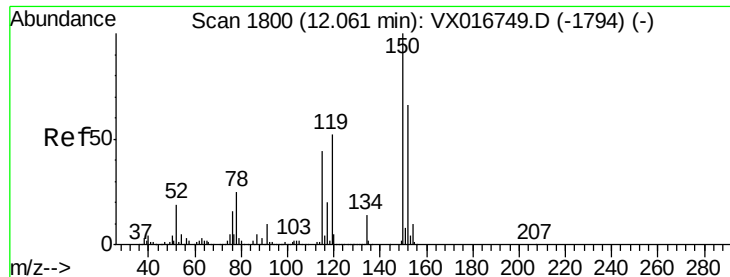


Abundance Ion 116.90 (116.60 to 117.60): VX016772.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016772.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016772.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016772.D

Acq: 16 Jun 2020 12:28

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

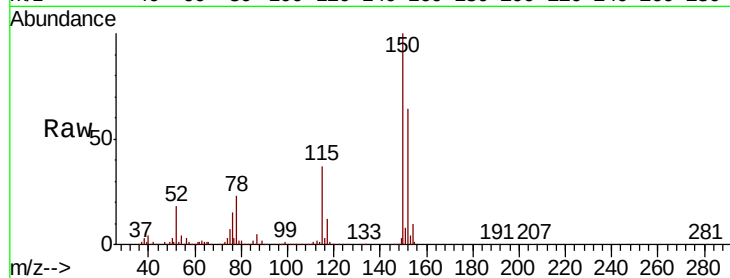
Tot Ion:152 Resp: 193876

Ion Ratio Lower Upper

152 100

115 57.9 40.3 120.8

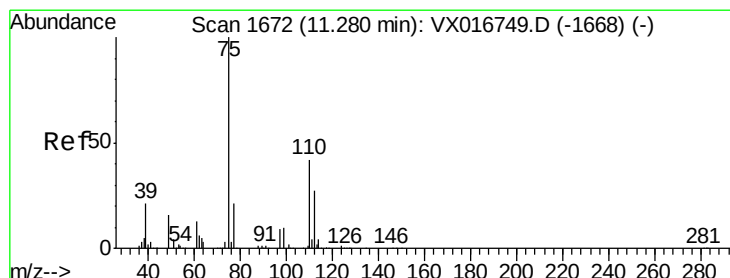
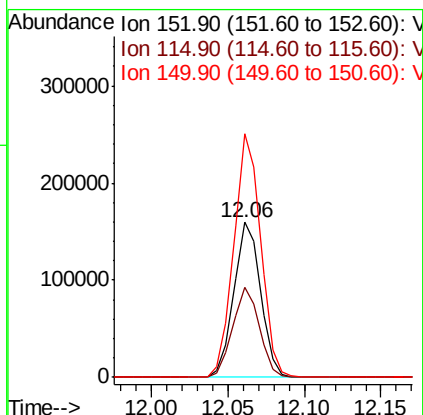
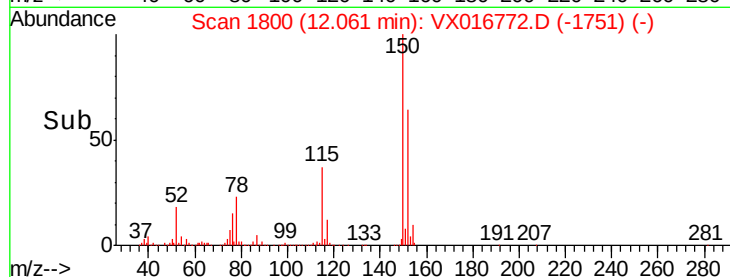
150 156.8 0.0 337.4



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: 22.293 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016772.D

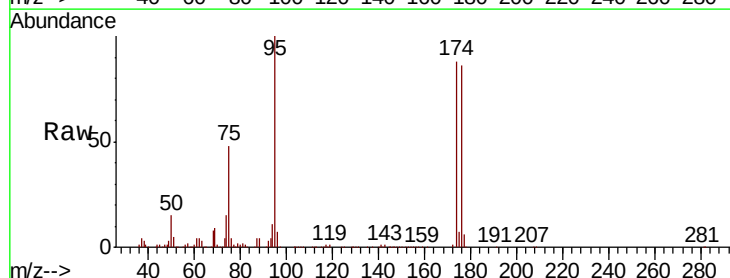
Acq: 16 Jun 2020 12:28

Tgt Ion: 75 Resp: 90893

Ion Ratio Lower Upper

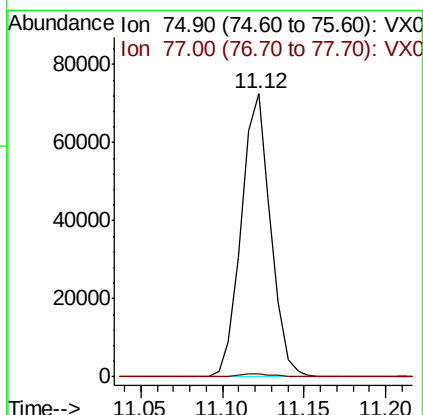
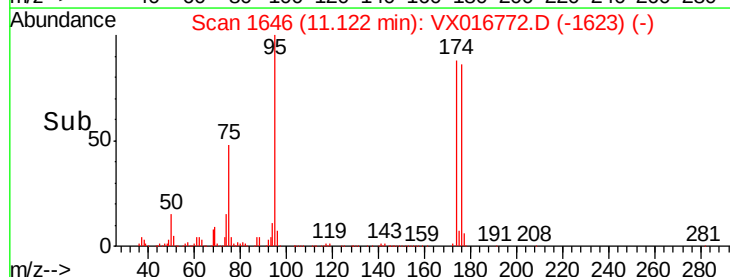
75 100

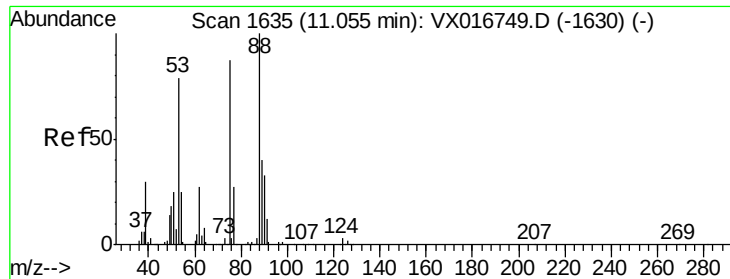
77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

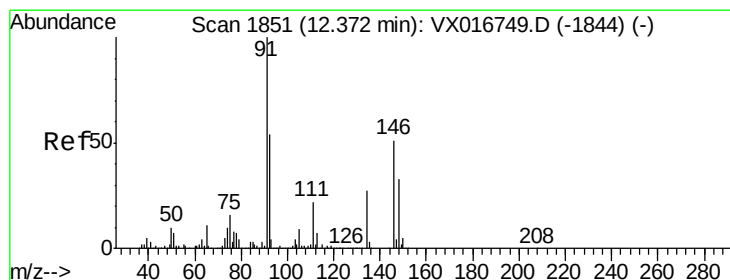
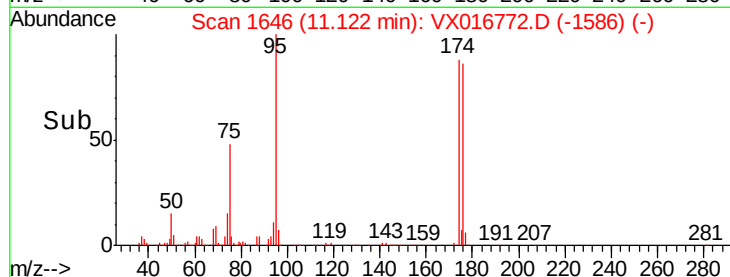
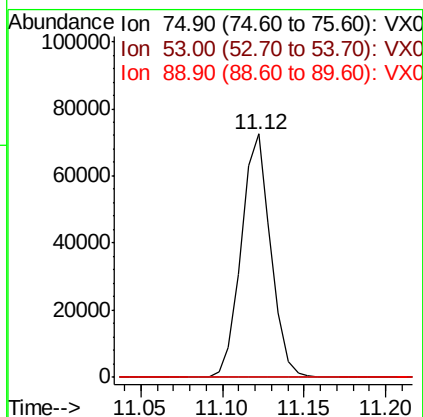
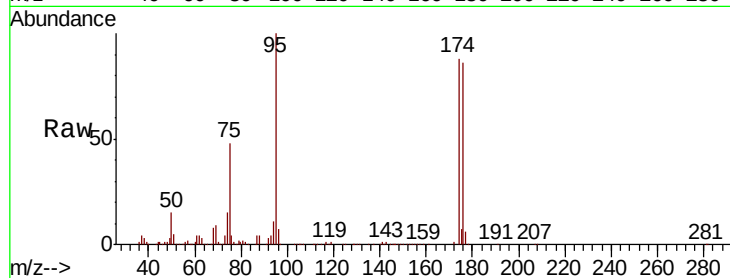




#81
trans-1,4-Dichloro-2-butene
Concen: 56.123 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

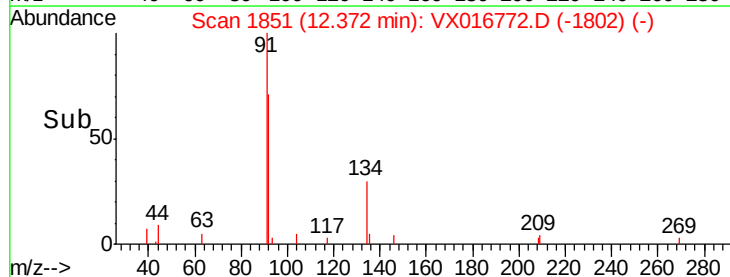
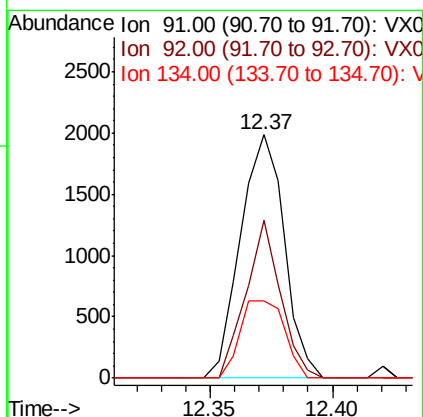
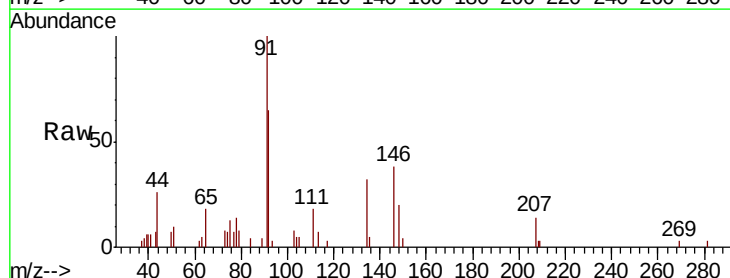
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

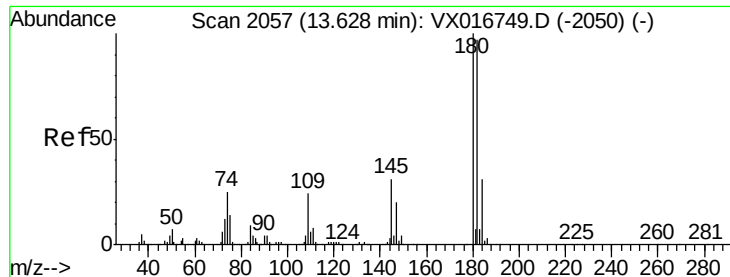
Tot Ion: 75 Resp: 90893
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 39.1 58.7#



#89
n-Butylbenzene
Concen: 0.274 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion: 91 Resp: 2475
Ion Ratio Lower Upper
91 100
92 51.5 27.0 80.8
134 32.6 13.7 41.0

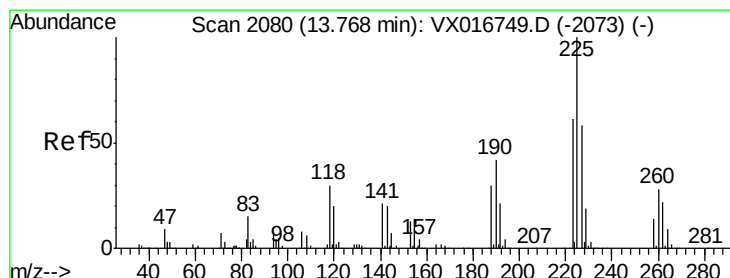
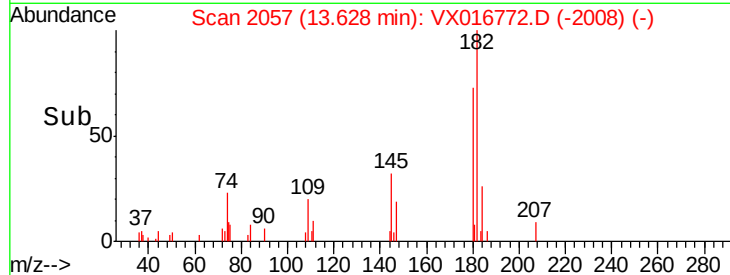
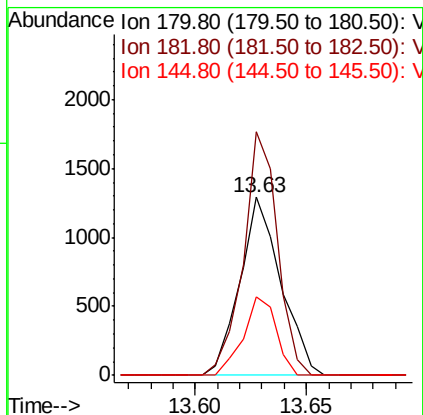
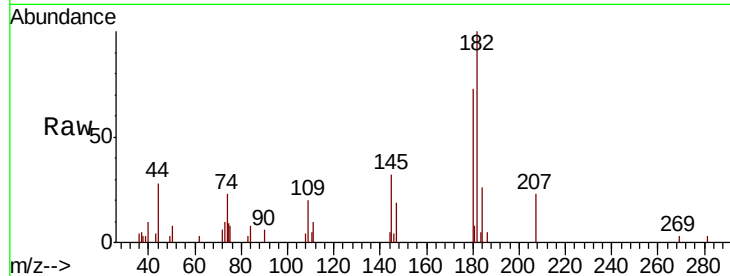




#93
 1,2,4-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016772.D
 Acq: 16 Jun 2020 12:28

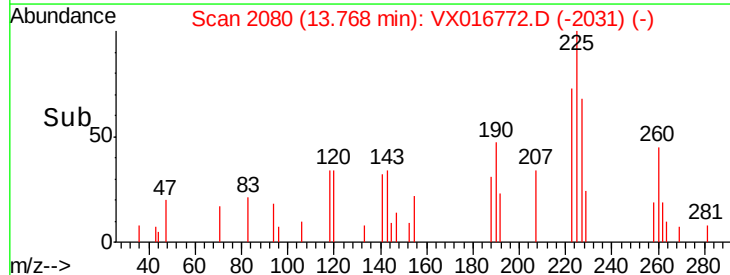
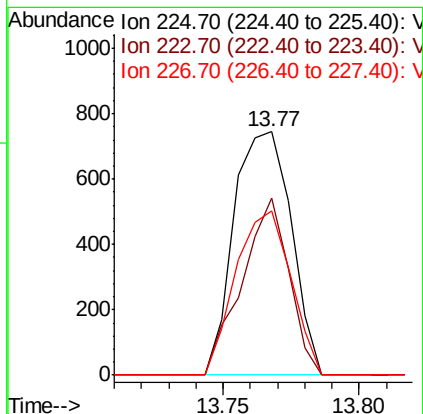
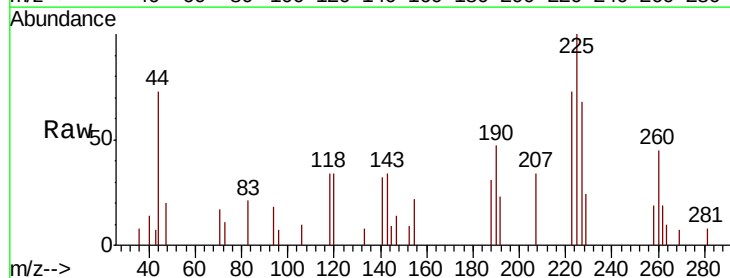
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

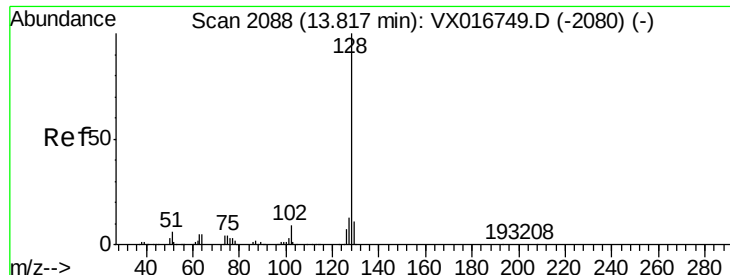
Tot Ion:180 Resp: 1664
 Ion Ratio Lower Upper
 180 100
 182 112.9 48.6 145.8
 145 35.2 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 0.989 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016772.D
 Acq: 16 Jun 2020 12:28

Tgt Ion:225 Resp: 1085
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.1 93.5
 227 64.9 30.9 92.7

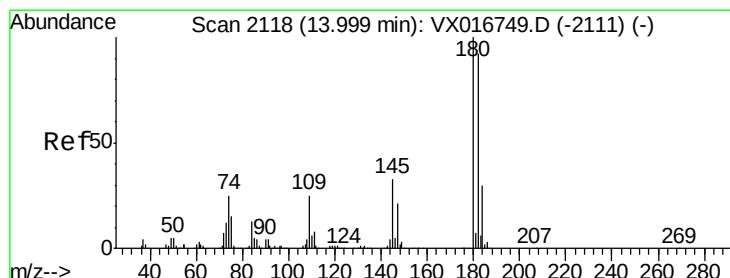
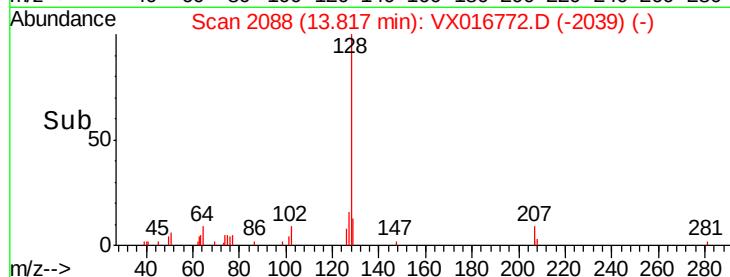
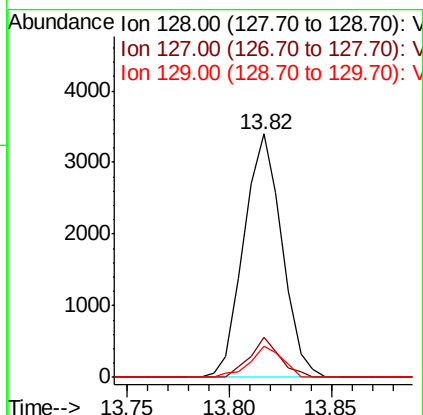
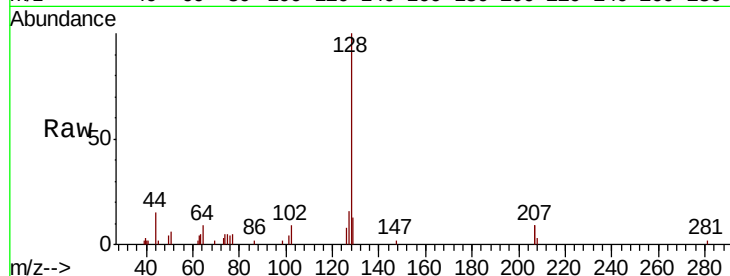




#95
Naphthalene
Concen: 0.331 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:128 Resp: 4404
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.425 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX016772.D
Acq: 16 Jun 2020 12:28

Tgt Ion:180 Resp: 1777
Ion Ratio Lower Upper
180 100
182 105.3 47.1 141.4
145 33.8 15.9 47.7

