

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010763.D
 Acq On : 09 Jul 2019 20:04
 Operator : JC/SP
 Sample : K3695-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-2

Quant Time: Jul 10 02:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	225492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113676	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	5.50	113	106734	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.71	98	428951	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	152762	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	321	0.330	ug/l	88
6) Chloroethane	1.75	64	515	0.437	ug/l #	85
11) Tert butyl alcohol	3.04	59	480	0.868	ug/l #	10
13) Acrolein	2.30	56	531	1.447	ug/l	85
16) Acetone	2.44	43	11253	10.620	ug/l #	86
18) Methyl Acetate	2.78	43	1437	0.680	ug/l #	76
20) Methylene Chloride	2.86	84	27016	12.390	ug/l	96
25) 2-Butanone	4.68	43	3798	2.444	ug/l	96
29) Tetrahydrofuran	5.13	42	562	0.584	ug/l #	62
31) Cyclohexane	5.58	56	22104	7.238	ug/l	97
36) 1,1-Dichloropropene	5.67	75	14839	5.284	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20304	6.677	ug/l #	15
39) Methylcyclohexane	7.46	83	143380	38.841	ug/l	96
43) Isopropyl Acetate	6.45	43	12730	2.663	ug/l	96
48) Methyl methacrylate	7.74	41	3756	1.691	ug/l #	70
49) 1,4-Dioxane	7.75	88	23	0.359	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	56405	18.451	ug/l #	48
52) Toluene	8.79	92	2087	0.362	ug/l	95
54) cis-1,3-Dichloropropene	8.62	75	30788	8.699	ug/l #	62
55) 1,1,2-Trichloroethane	9.16	97	29268	12.317	ug/l #	19
56) Ethyl methacrylate	9.16	69	5855	1.627	ug/l #	1
57) 1,3-Dichloropropane	9.54	76	7495	2.032	ug/l #	44
59) 2-Hexanone	9.44	43	12449	5.174	ug/l #	22
67) Ethyl Benzene	10.25	91	15893	1.394	ug/l	97
68) m/p-Xylenes	10.35	106	219236	49.645	ug/l	99
69) o-Xylene	10.69	106	9978	2.298	ug/l	97
70) Styrene	10.71	104	1488	0.204	ug/l #	1
73) Isopropylbenzene	11.02	105	66384	5.813	ug/l	98
74) N-amyl acetate	10.91	43	959	0.222	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	984	0.260	ug/l #	58
76) 1,2,3-Trichloropropane	11.43	75	2292	0.747	ug/l #	1
78) n-propylbenzene	11.36	91	73341	5.843	ug/l	99
79) 2-Chlorotoluene	11.43	91	28923	3.870	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	276050	29.321	ug/l	100

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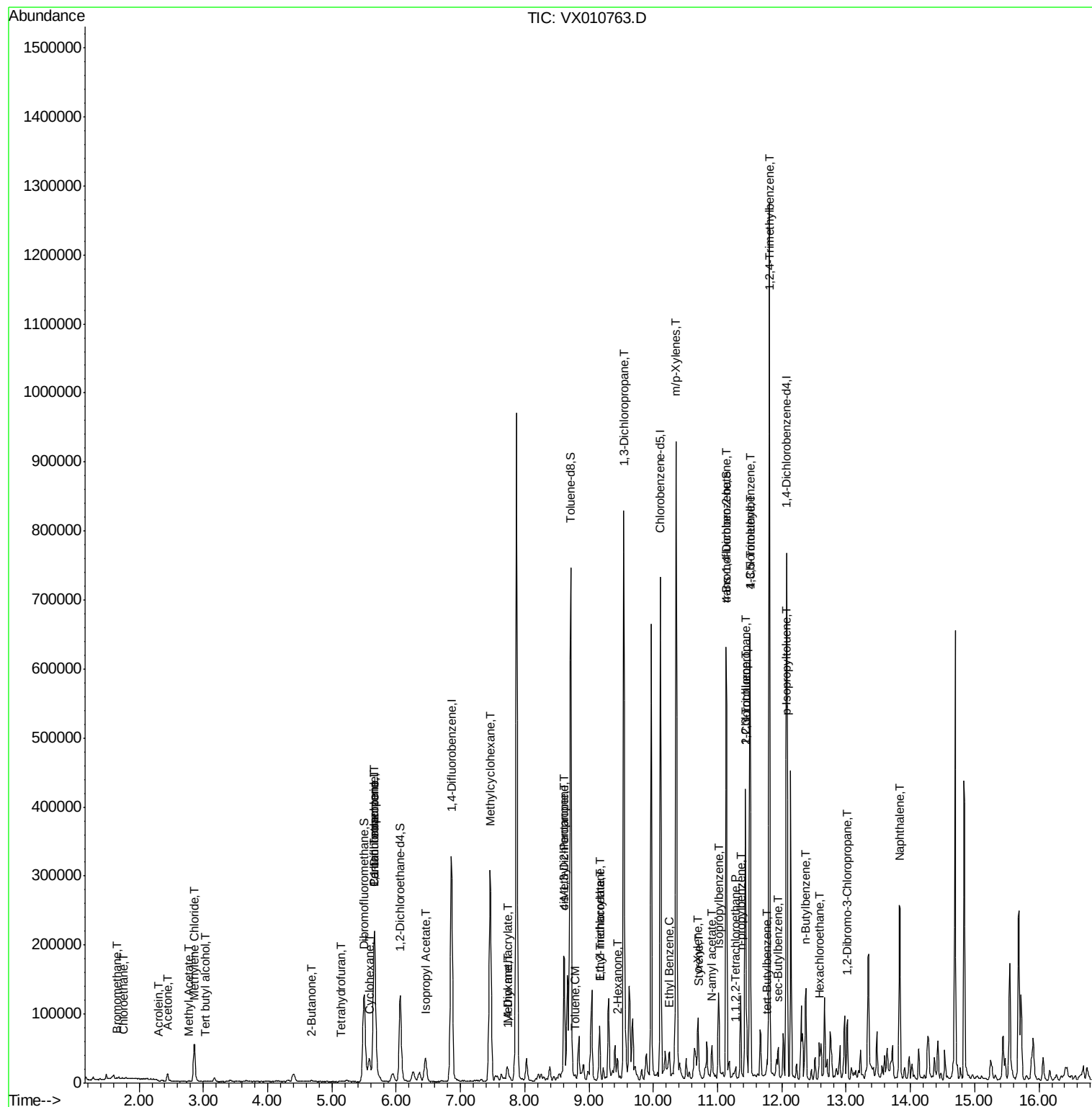
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.13	75	74938	56.945	ug/l #	16
82) 4-Chlorotoluene	11.51	91	28860	3.393	ug/l #	42
83) tert-Butylbenzene	11.77	119	8688	0.919	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	543763	57.487	ug/l	99
85) sec-Butylbenzene	11.94	105	22247	2.005	ug/l	99
86) p-Isopropyltoluene	12.06	119	12416	1.210	ug/l	93
89) n-Butylbenzene	12.37	91	12305	1.411	ug/l #	1
90) Hexachloroethane	12.58	117	2432	1.371	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	398	0.488	ug/l #	1
95) Naphthalene	13.83	128	164731	13.972	ug/l	98

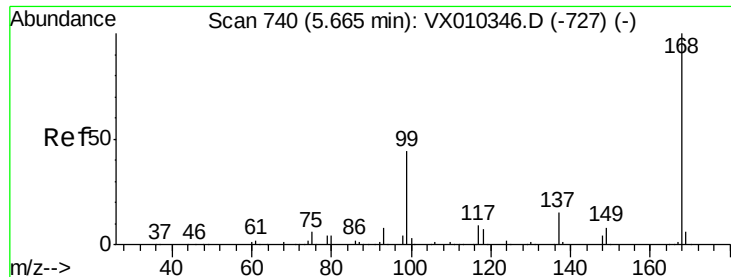
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

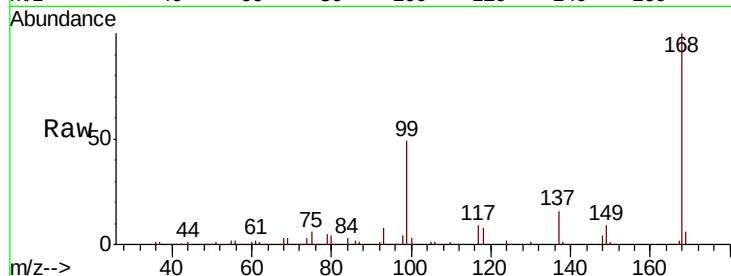
SOIL-SAMPLE-2

Tot Ion:168 Resp: 225492

Ion Ratio Lower Upper

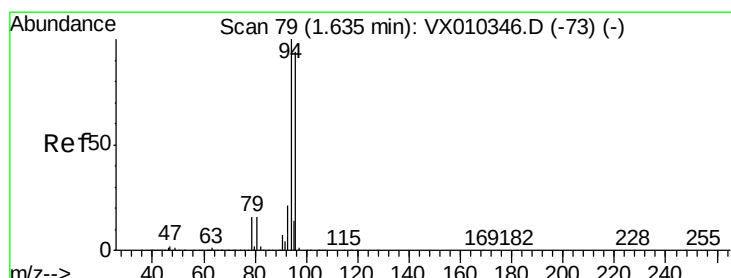
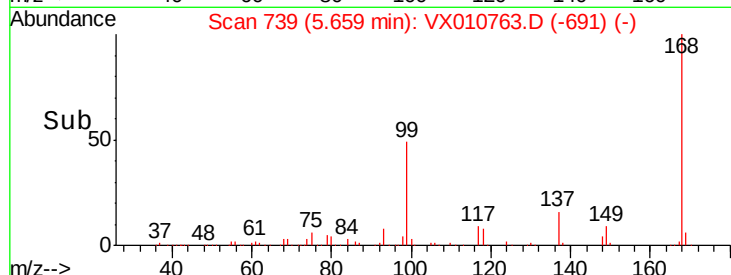
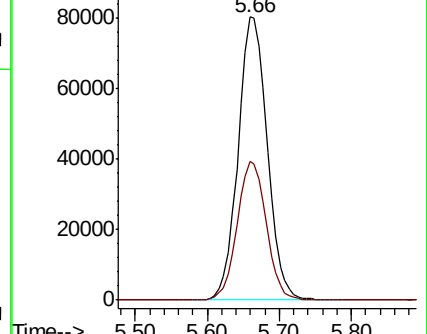
168 100

99 48.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010763.D

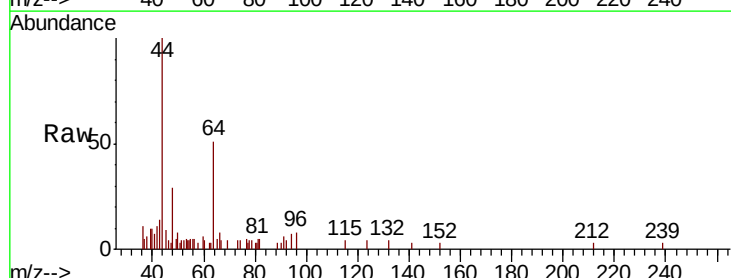
Acq: 09 Jul 2019 20:04

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

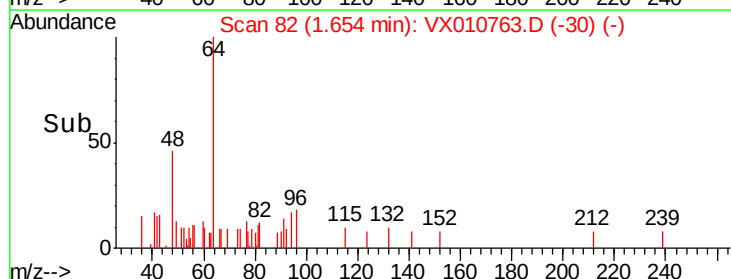
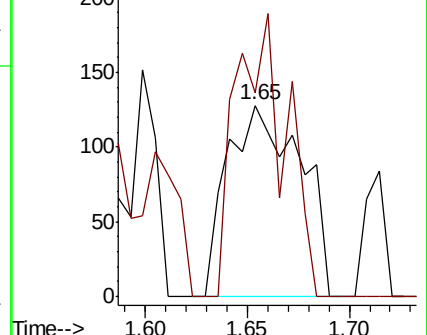
94 100

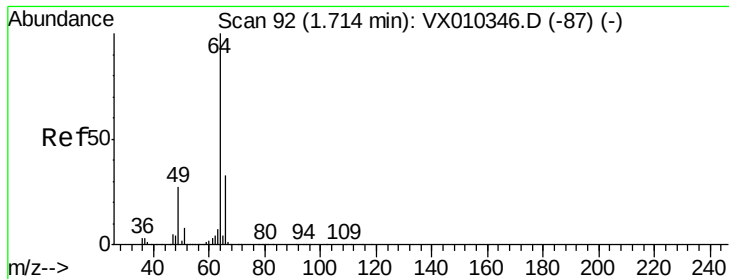
96 106.3 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.437 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

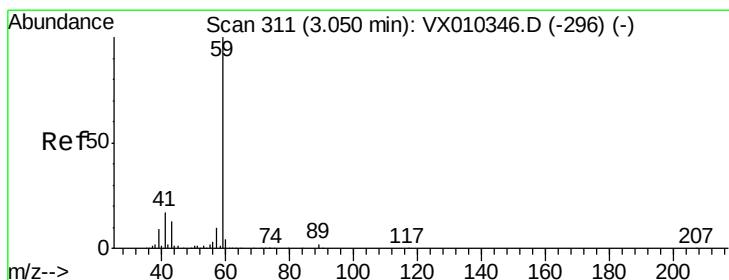
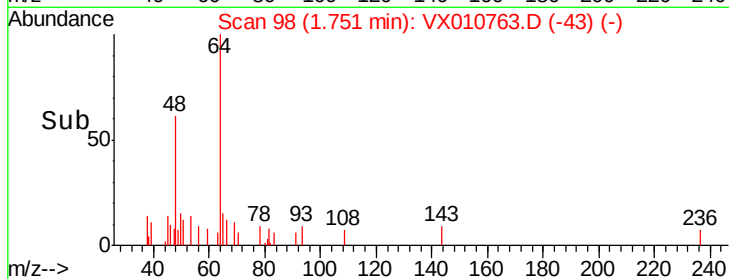
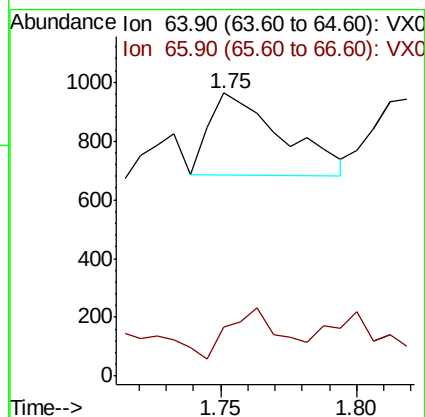
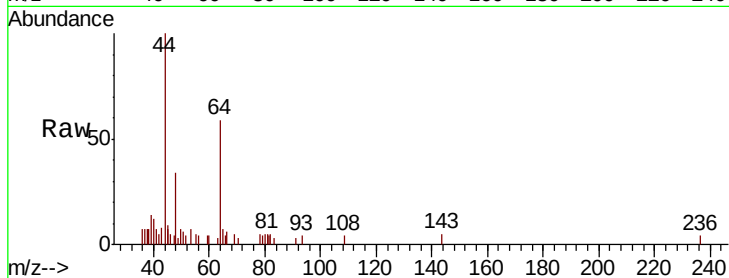
SOIL-SAMPLE-2

Tot Ion: 64 Resp: 515

Ion Ratio Lower Upper

64 100

66 24.8 26.6 40.0#



#11

Tert butyl alcohol

Concen: 0.868 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010763.D

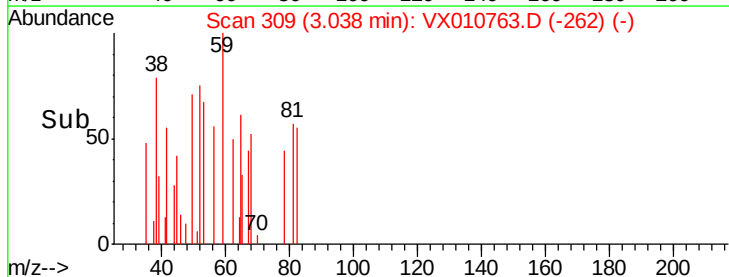
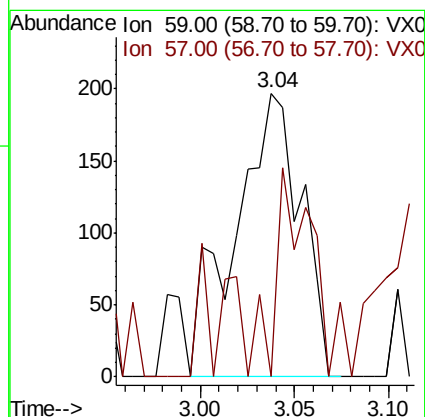
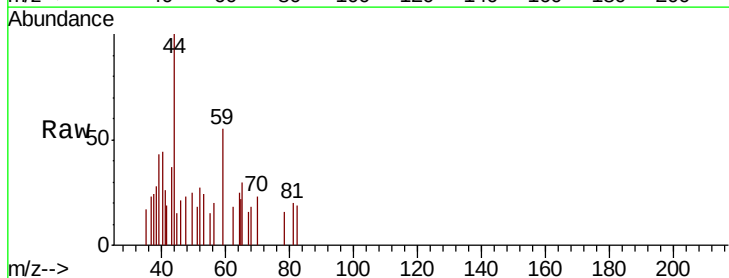
Acq: 09 Jul 2019 20:04

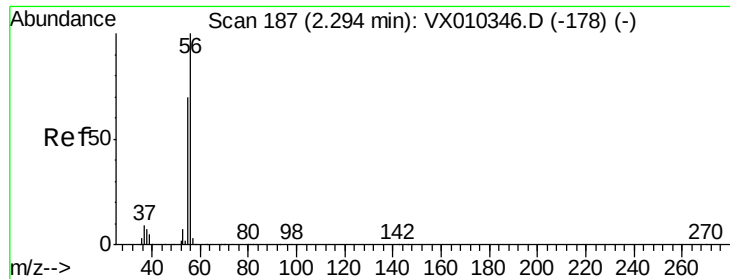
Tgt Ion: 59 Resp: 480

Ion Ratio Lower Upper

59 100

57 42.5 7.7 11.5#





#13

Acrolein

Concen: 1.447 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

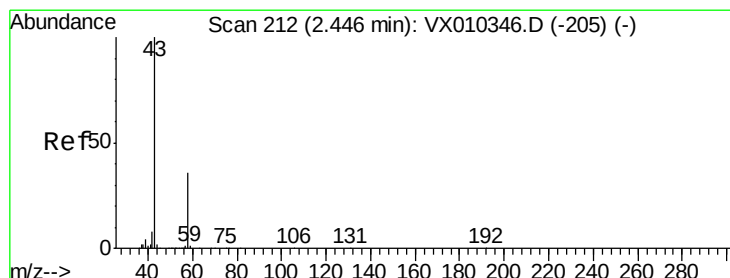
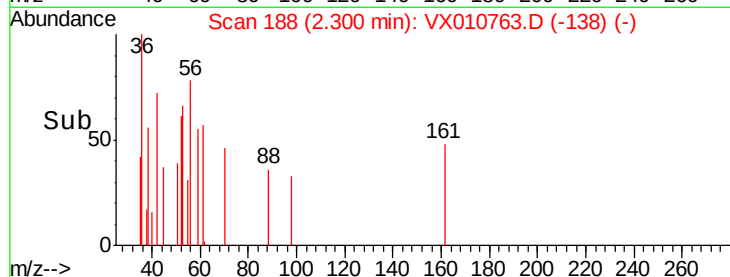
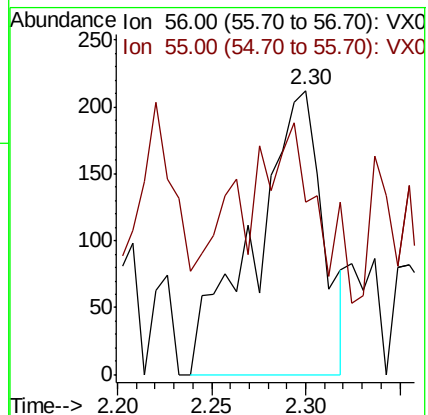
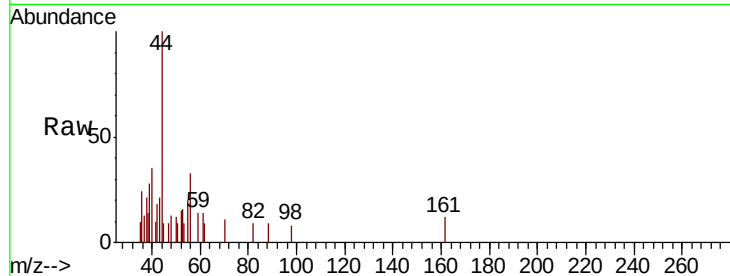
SOIL-SAMPLE-2

Tot Ion: 56 Resp: 531

Ion Ratio Lower Upper

56 100

55 58.8 56.9 85.3



#16

Acetone

Concen: 10.620 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010763.D

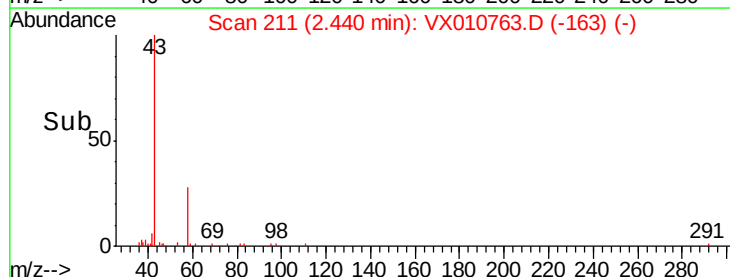
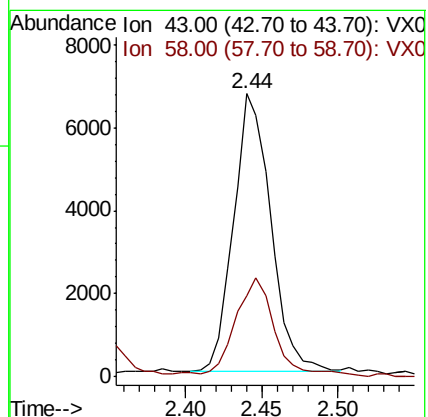
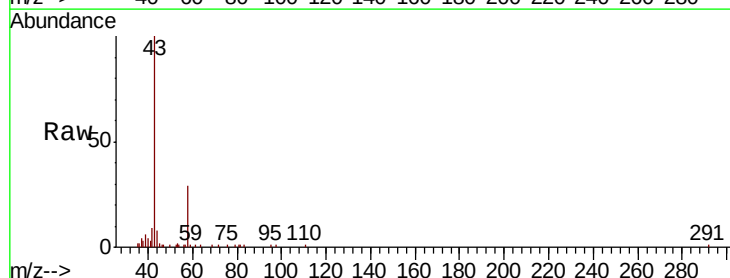
Acq: 09 Jul 2019 20:04

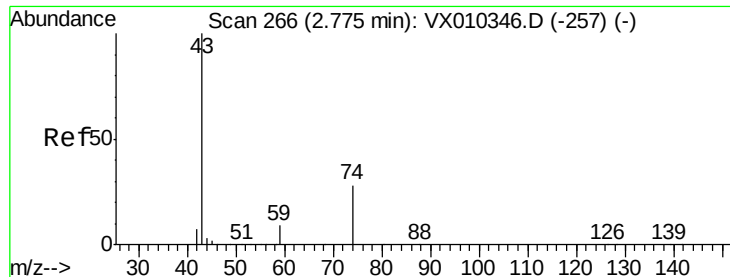
Tgt Ion: 43 Resp: 11253

Ion Ratio Lower Upper

43 100

58 28.1 28.9 43.3#

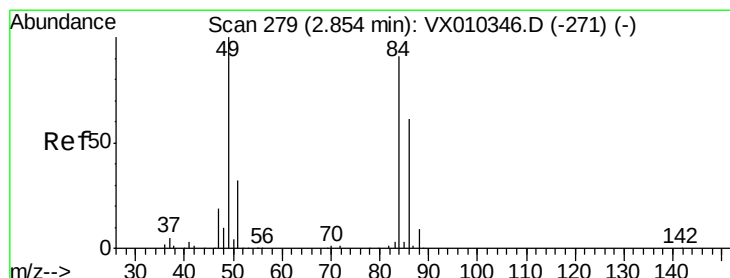
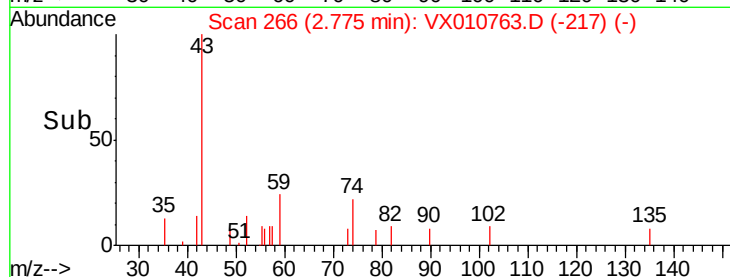
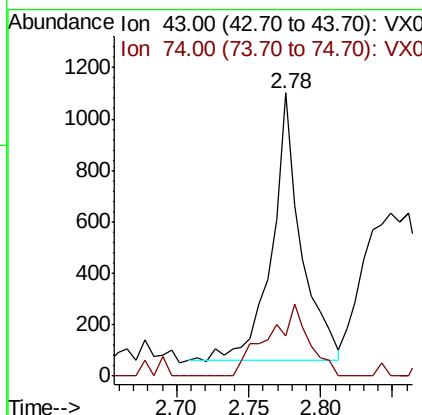
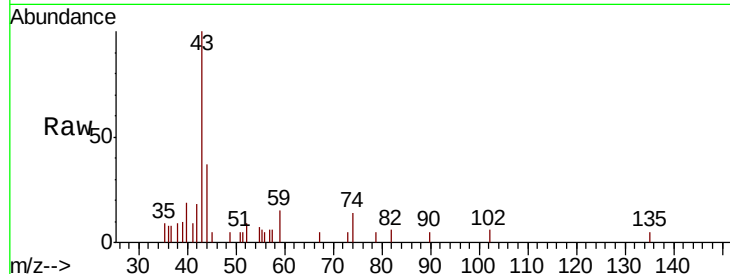




#18
Methvl Acetate
Concen: 0.680 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

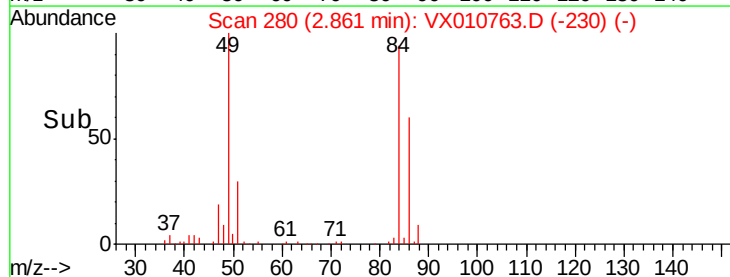
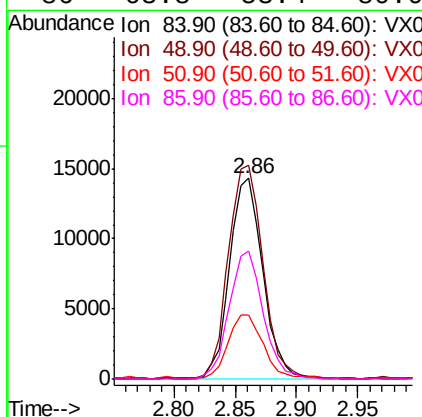
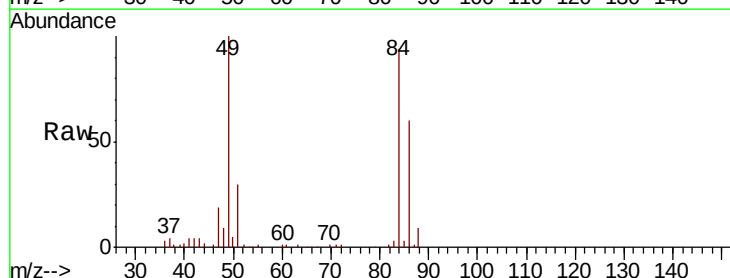
Instrument :
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ClientSampleId :
SOIL-SAMPLE-2

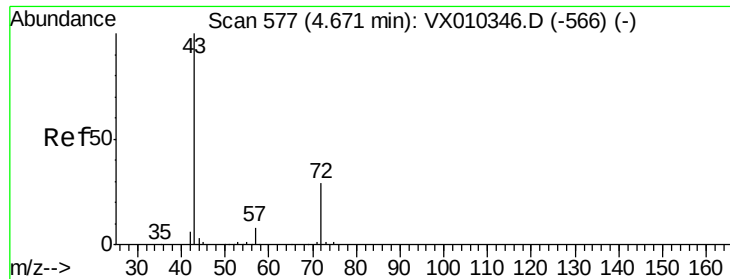
Tot Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
74 38.8 21.3 31.9#



#20
Methylene Chloride
Concen: 12.390 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion: 84 Resp: 27016
Ion Ratio Lower Upper
84 100
49 105.9 87.5 131.3
51 32.0 27.7 41.5
86 63.8 53.4 80.0





#25

2-Butanone

Concen: 2.444 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

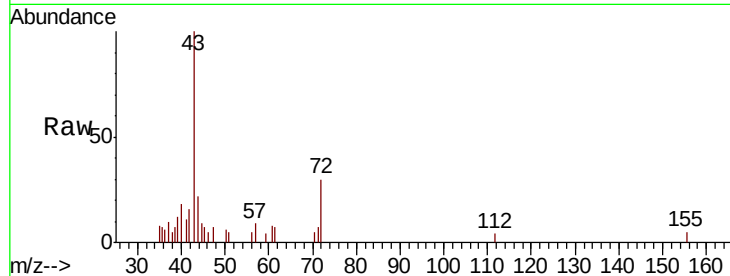
SOIL-SAMPLE-2

Tot Ion: 43 Resp: 3798

Ion Ratio Lower Upper

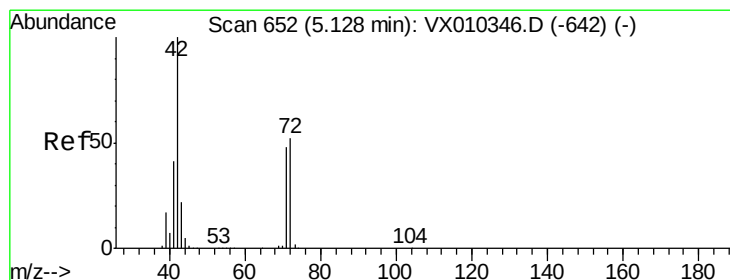
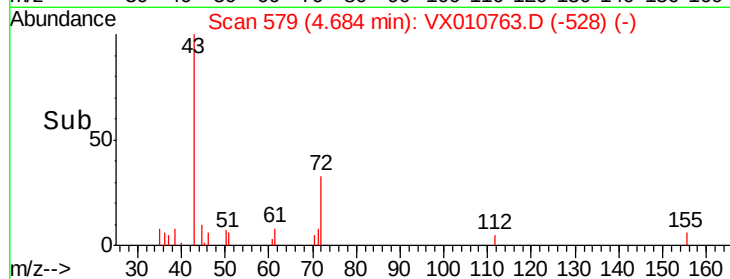
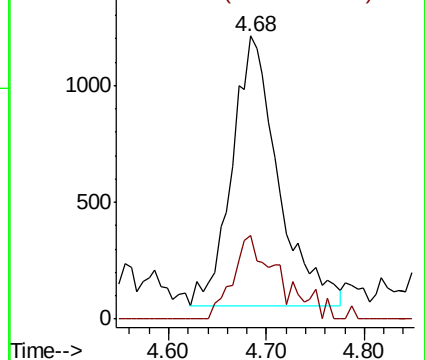
43 100

72 31.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.584 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

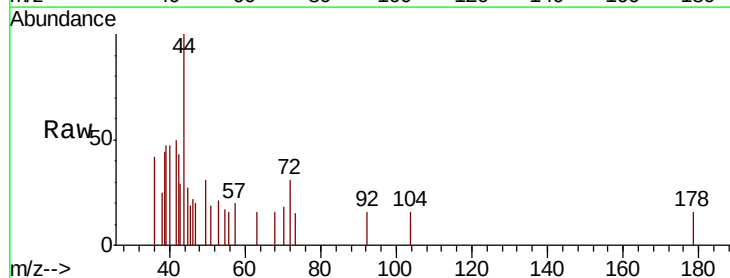
Tgt Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

72 46.1 40.6 60.8

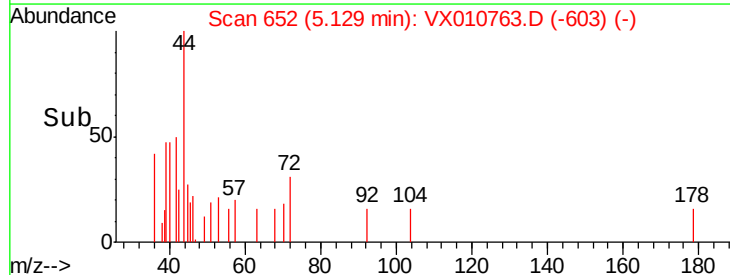
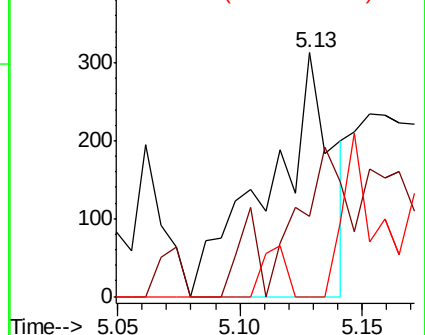
71 0.0 37.8 56.8#

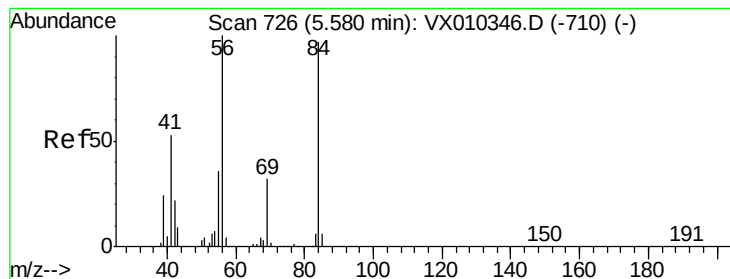


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 7.238 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

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ClientSampleId :

SOIL-SAMPLE-2

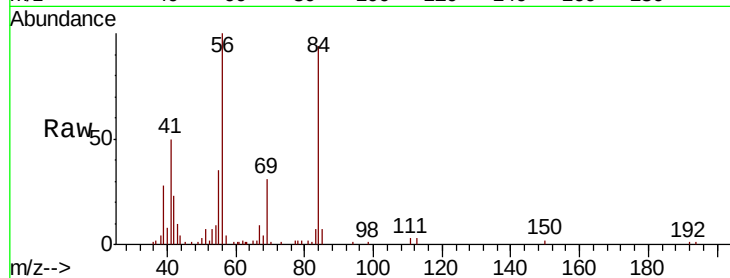
Tot Ion: 56 Resp: 22104

Ion Ratio Lower Upper

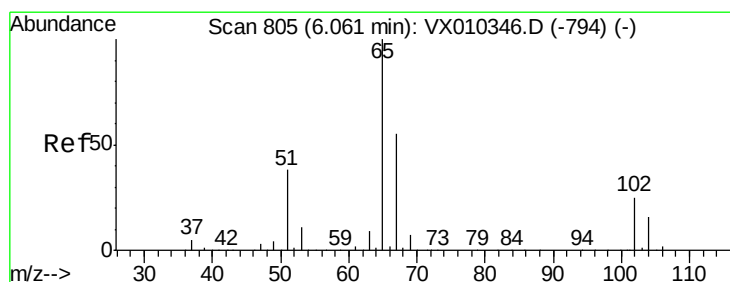
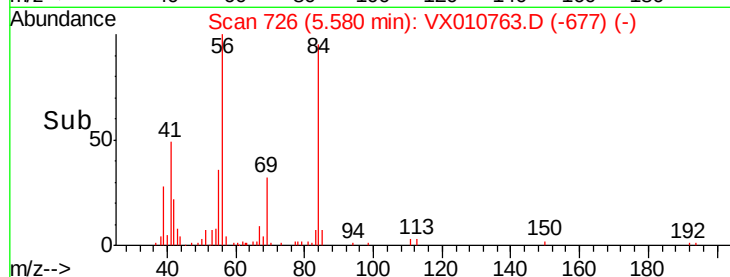
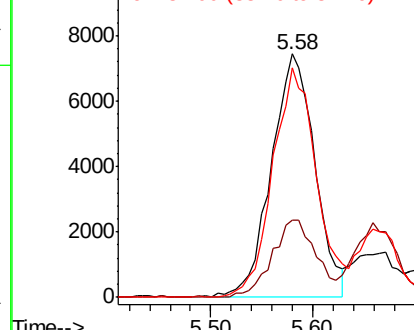
56 100

69 31.5 25.9 38.9

84 94.4 78.0 117.0



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: 53.768 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010763.D

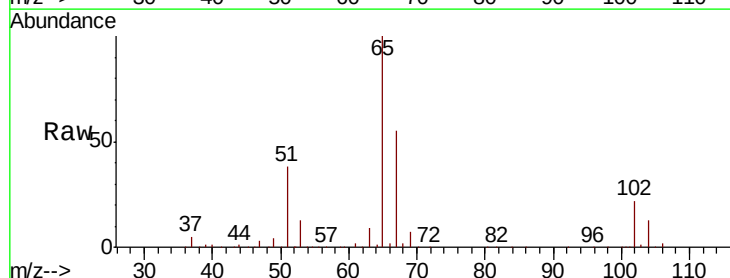
Acq: 09 Jul 2019 20:04

Tgt Ion: 65 Resp: 113676

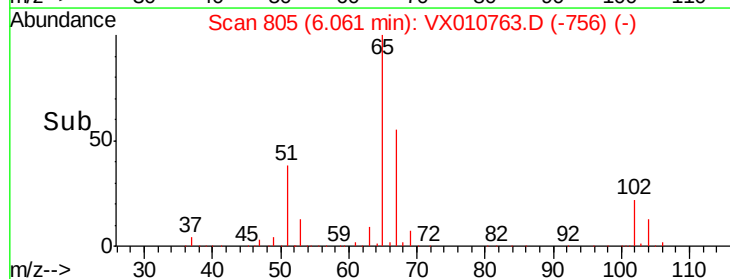
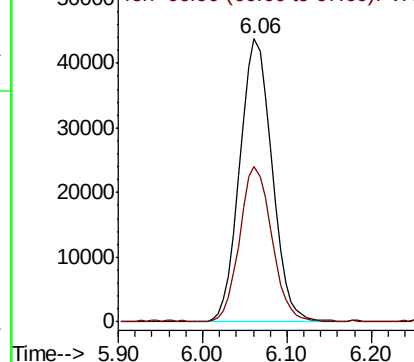
Ion Ratio Lower Upper

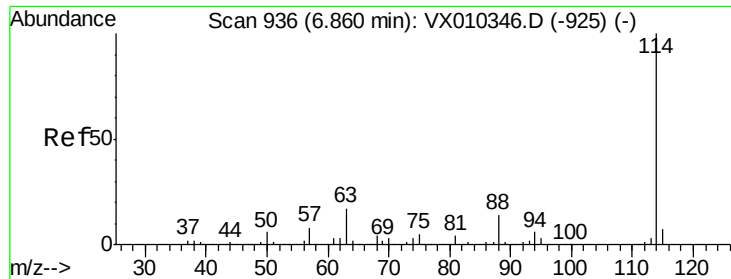
65 100

67 54.8 0.0 110.2



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

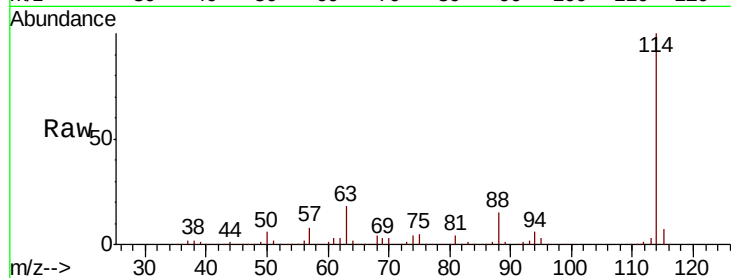




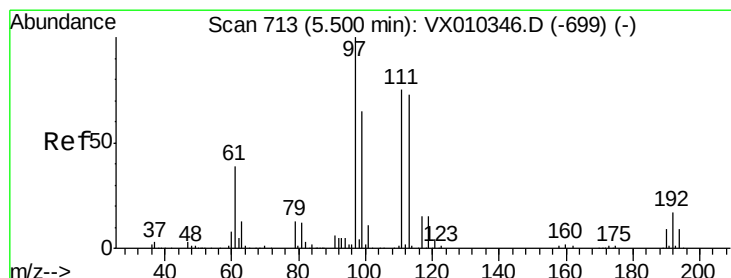
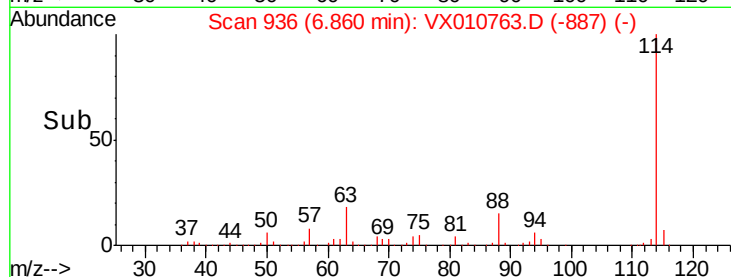
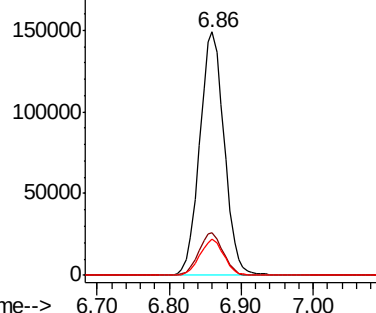
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

Tot Ion:114 Resp: 353400
Ion Ratio Lower Upper
114 100
63 17.7 0.0 33.8
88 14.7 0.0 27.6

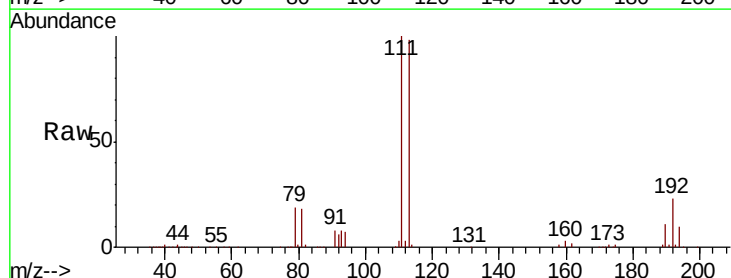


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

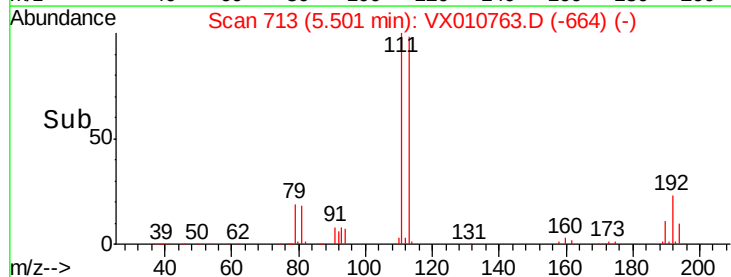
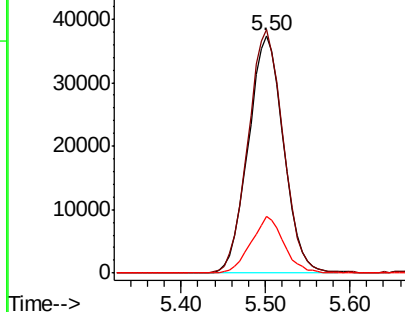


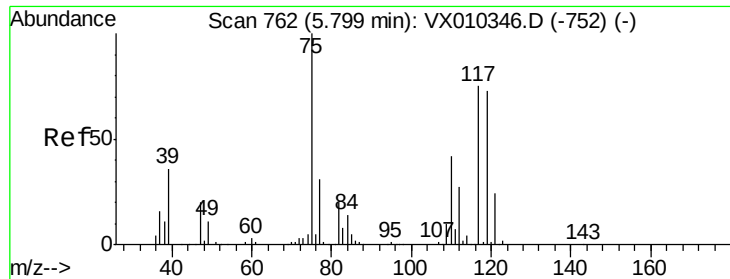
#35
Dibromofluoromethane
Concen: 49.363 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion:113 Resp: 106734
Ion Ratio Lower Upper
113 100
111 102.4 81.2 121.8
192 22.2 18.6 27.8



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

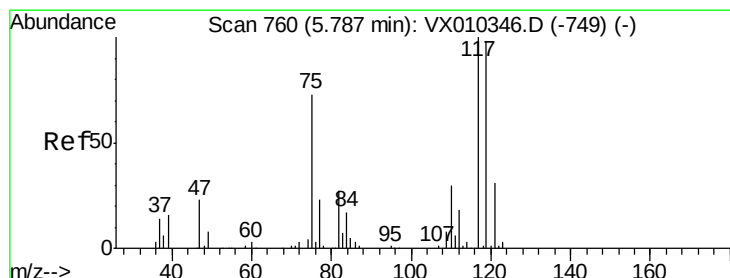
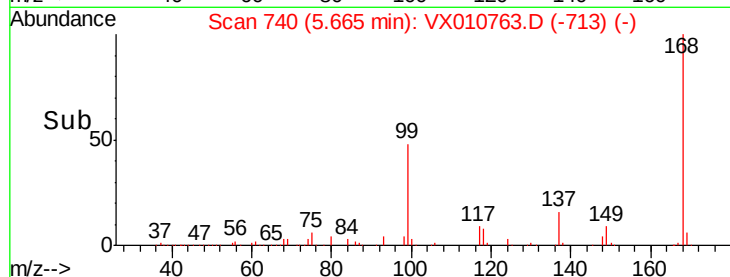
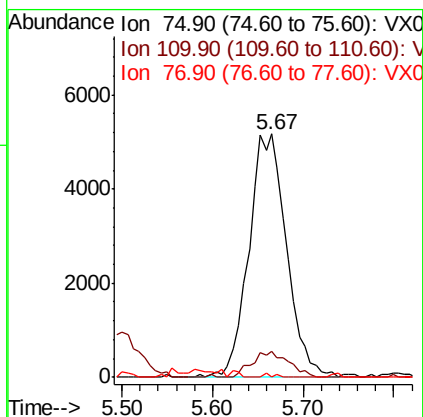
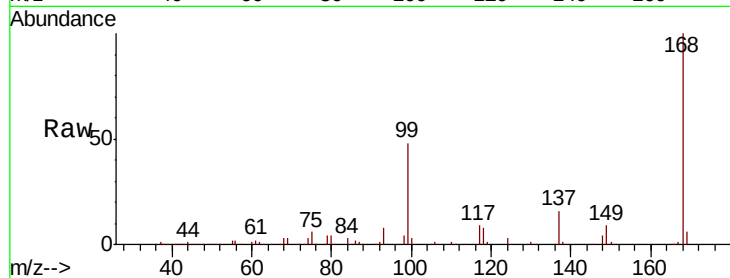




#36
 1,1-Dichloropropene
 Concen: 5.284 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

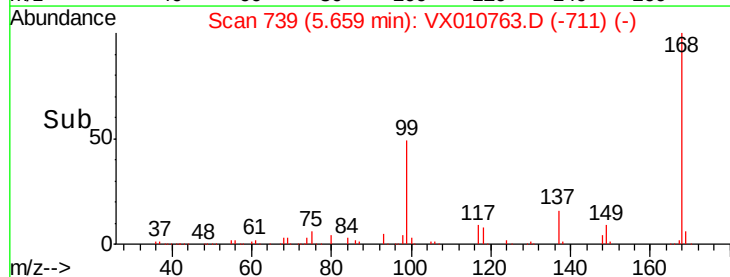
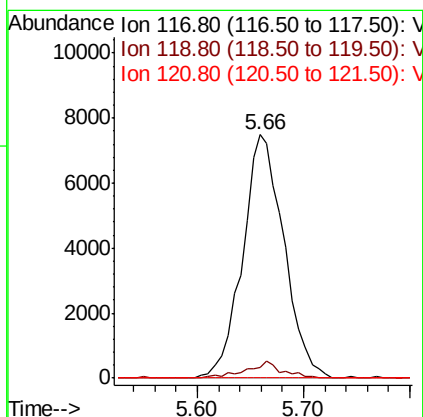
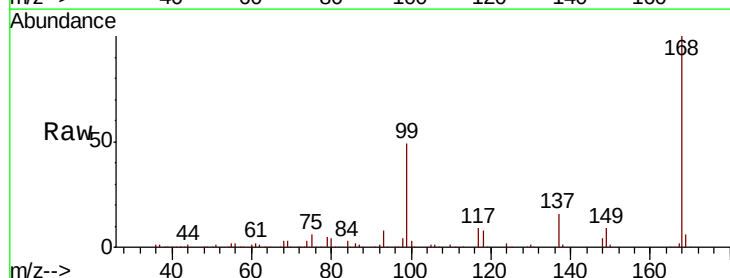
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-2

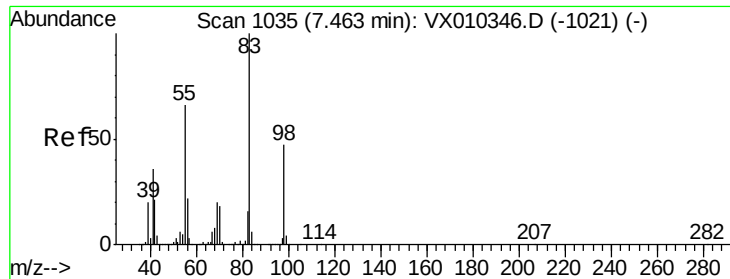
Tot Ion: 75 Resp: 14839
 Ion Ratio Lower Upper
 75 100
 110 10.5 20.8 62.2#
 77 0.4 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.677 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

Tgt Ion: 117 Resp: 20304
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.2 117.4#
 121 0.0 24.7 37.1#

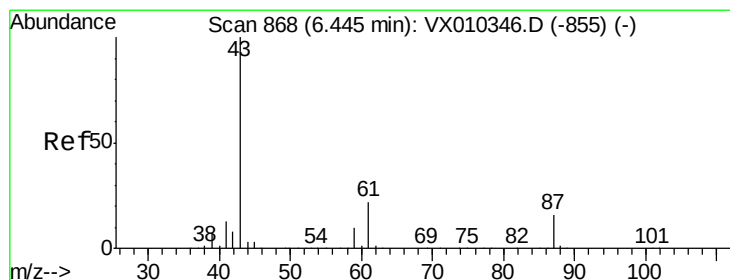
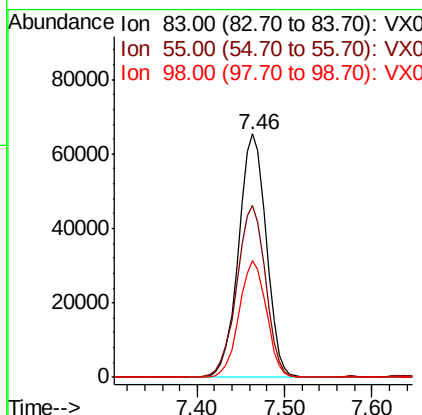
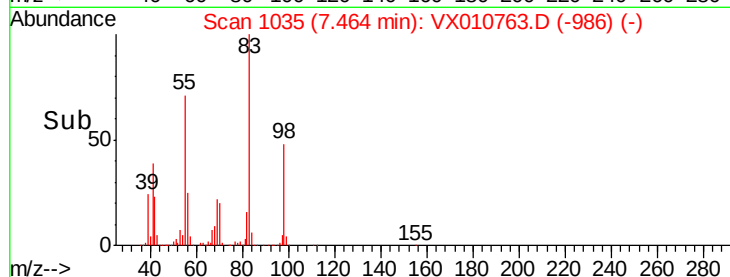
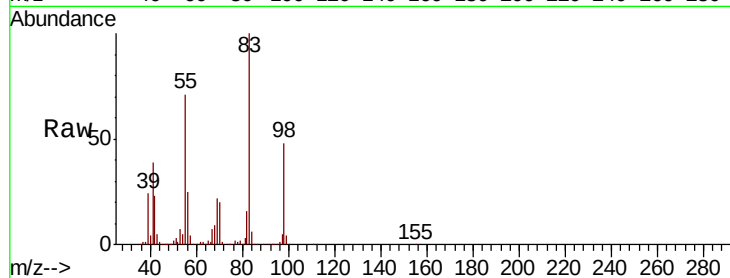




#39
Methylvlcyclohexane
Concen: 38.841 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

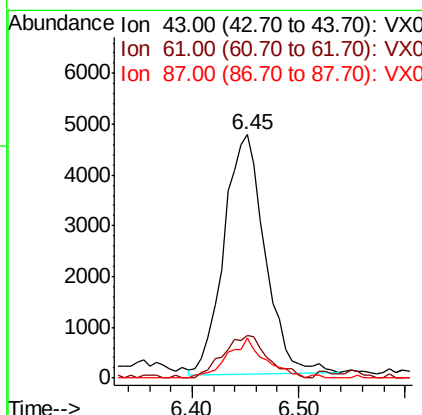
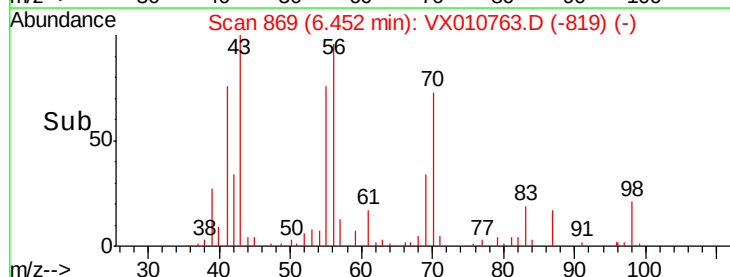
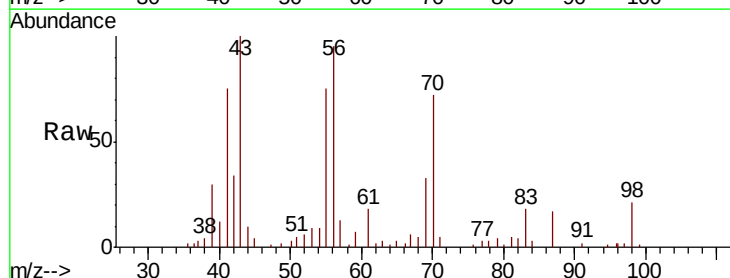
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

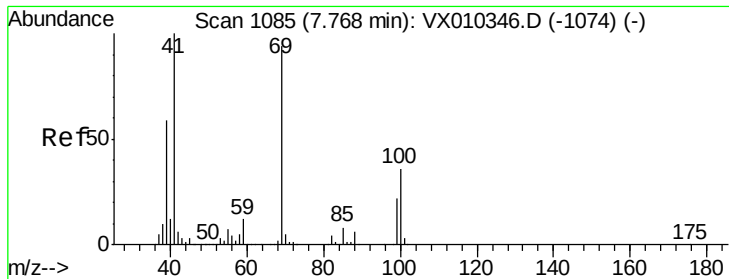
Tot Ion: 83 Resp: 143380
Ion Ratio Lower Upper
83 100
55 70.6 53.0 79.6
98 48.0 37.8 56.8



#43
Isopropyl Acetate
Concen: 2.663 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion: 43 Resp: 12730
Ion Ratio Lower Upper
43 100
61 19.4 17.8 26.6
87 15.2 13.0 19.4





#48

Methvl methacrylate

Concen: 1.691 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.03 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-2

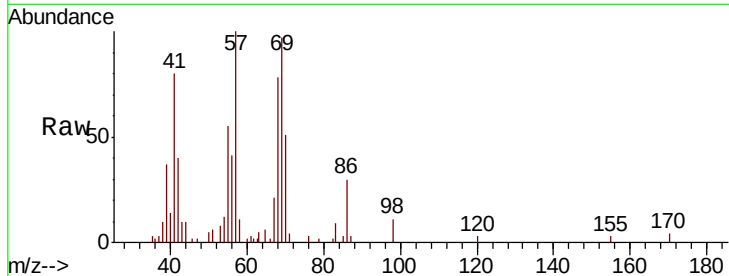
Tot Ion: 41 Resp: 3756

Ion Ratio Lower Upper

41 100

69 135.0 76.1 114.1#

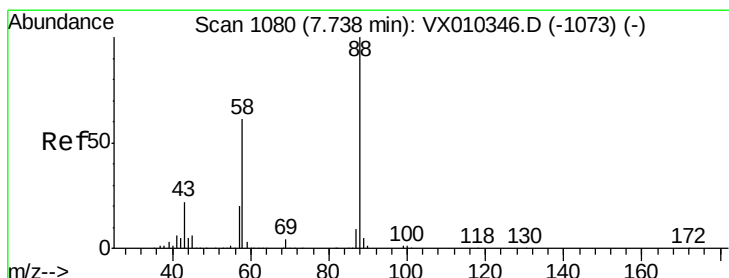
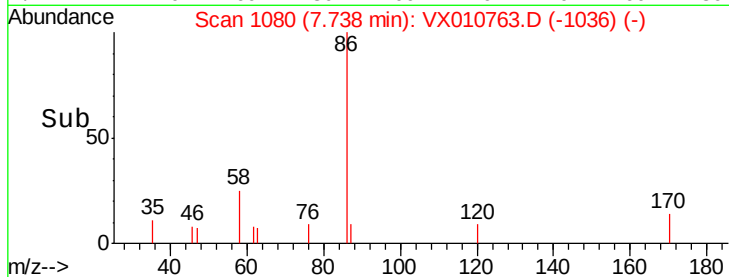
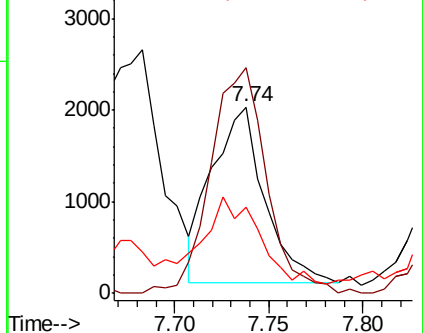
39 50.2 47.6 71.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.359 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

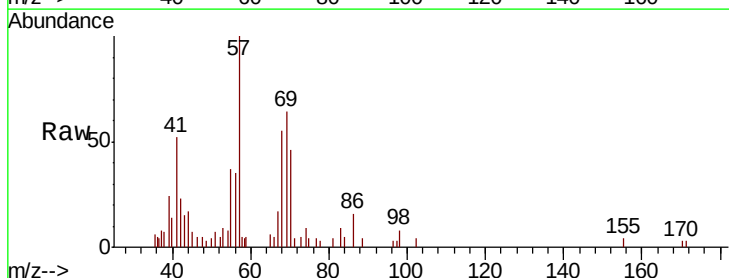
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

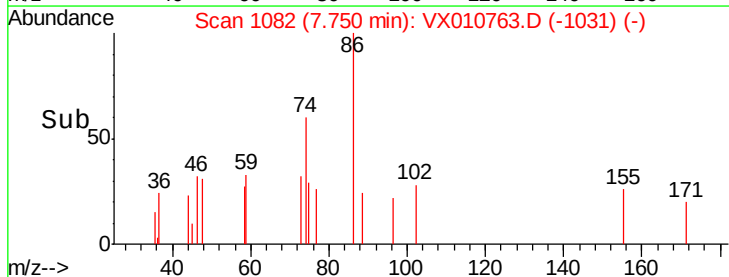
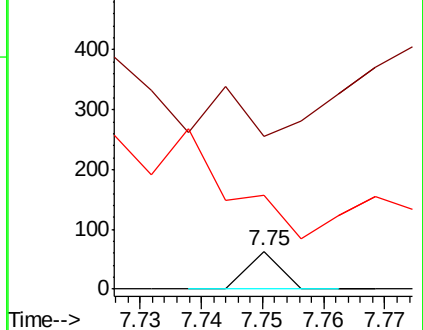
58 1139.1 49.5 74.3#

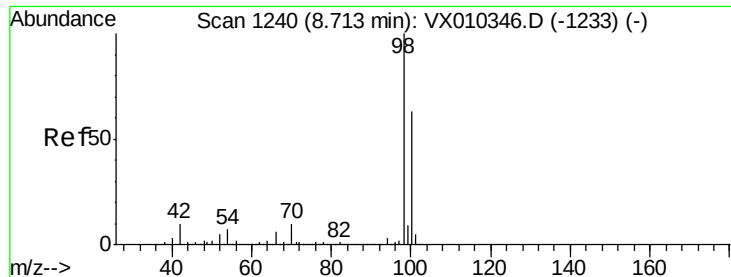


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

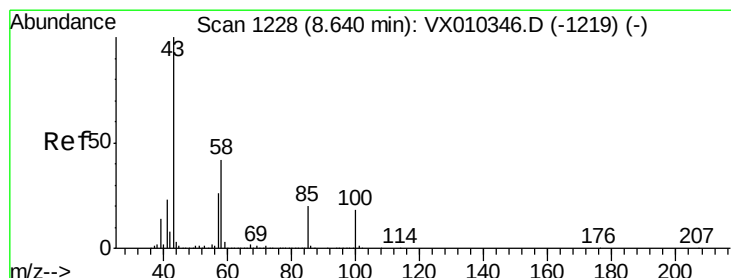
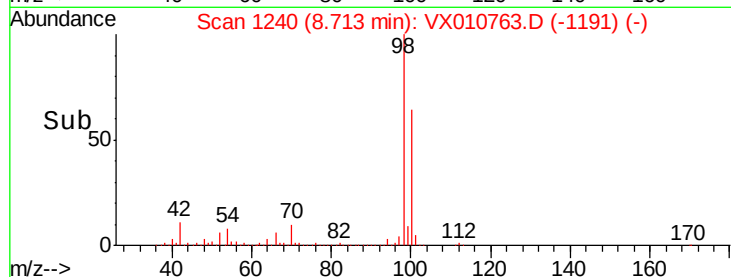
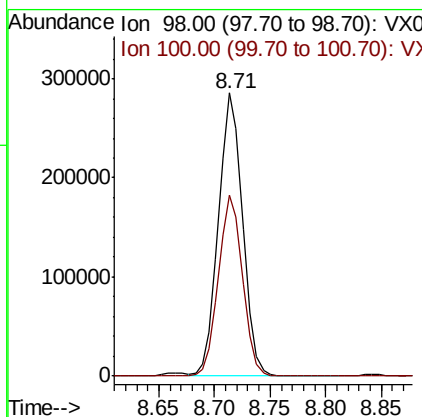
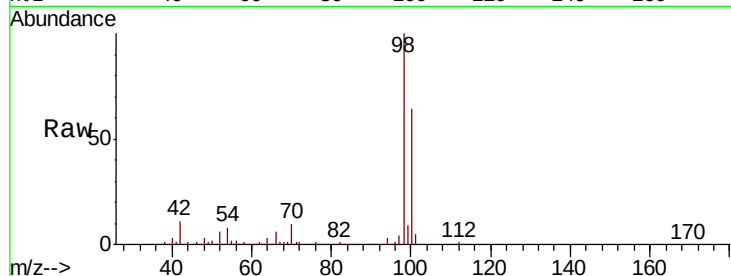




#50
Toluene-d8
Concen: 51.854 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

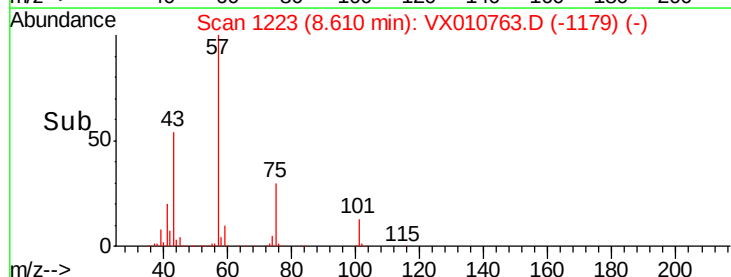
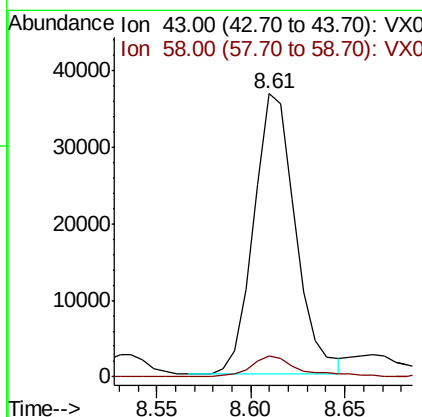
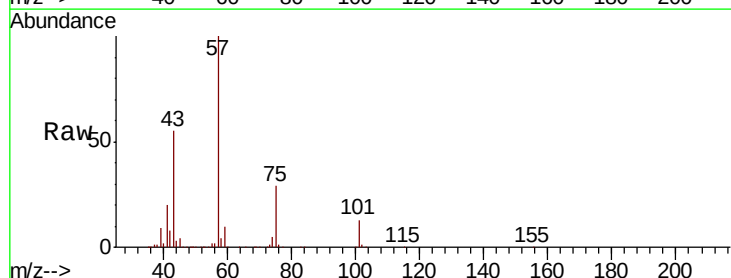
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

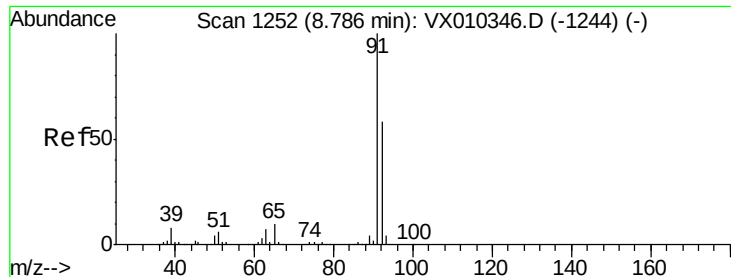
Tot Ion: 98 Resp: 428951
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 18.451 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion: 43 Resp: 56405
Ion Ratio Lower Upper
43 100
58 8.8 33.5 50.3#





#52

Toluene

Concen: 0.362 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

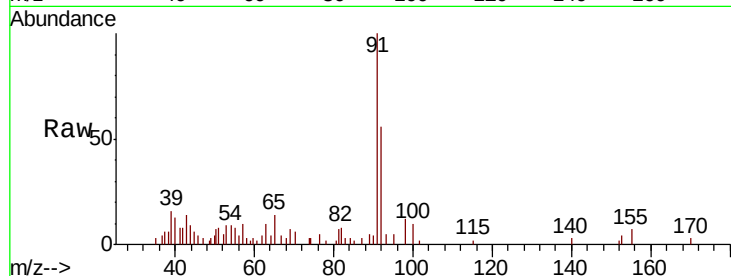
SOIL-SAMPLE-2

Tot Ion: 92 Resp: 2087

Ion Ratio Lower Upper

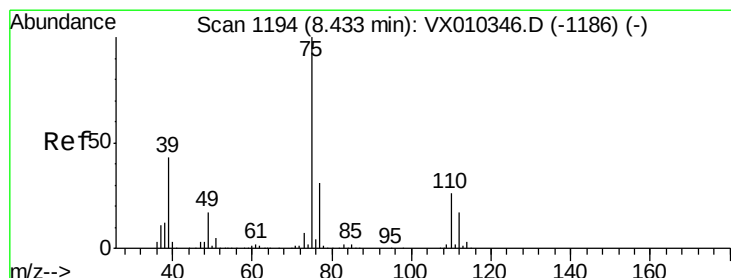
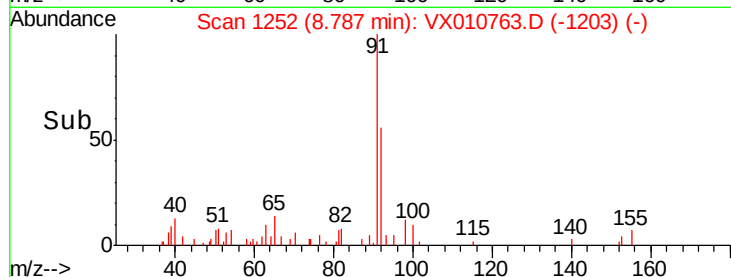
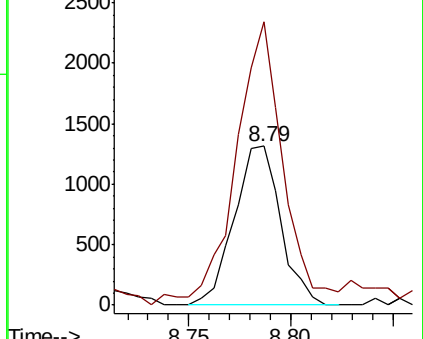
92 100

91 181.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 8.699 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

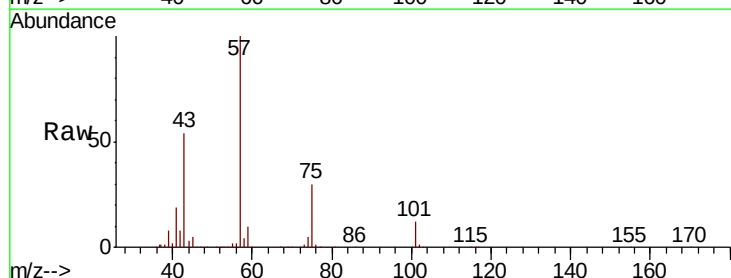
Tgt Ion: 75 Resp: 30788

Ion Ratio Lower Upper

75 100

77 1.1 25.2 37.8#

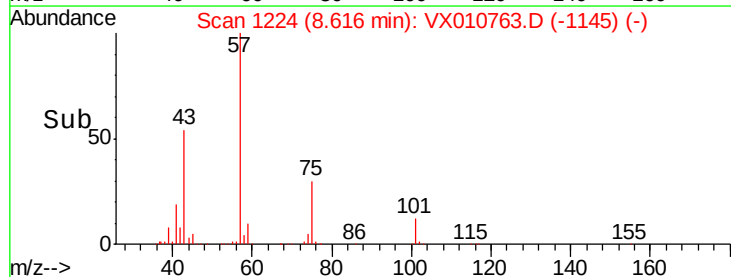
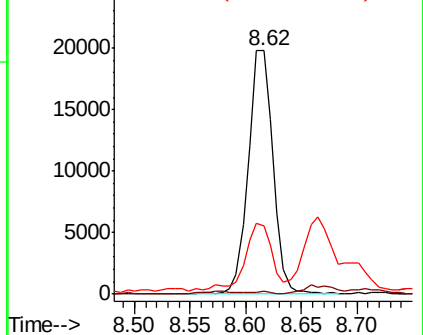
39 27.0 34.5 51.7#

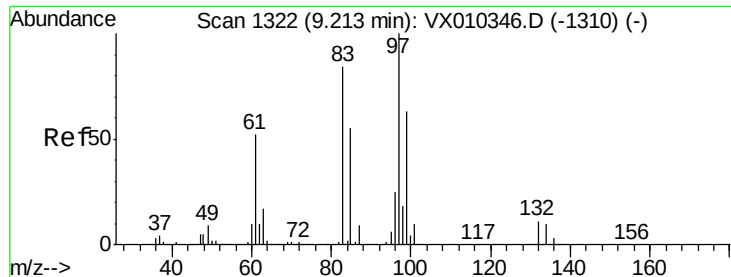


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

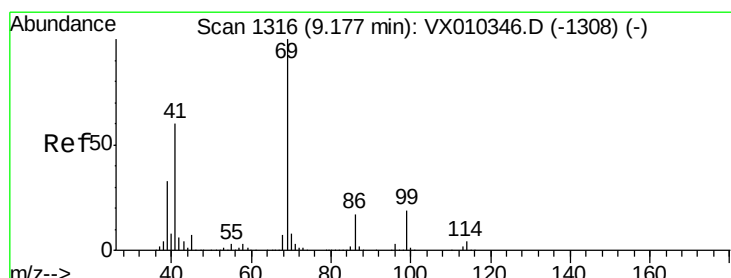
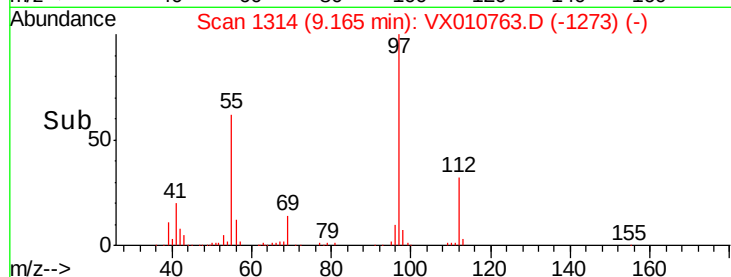
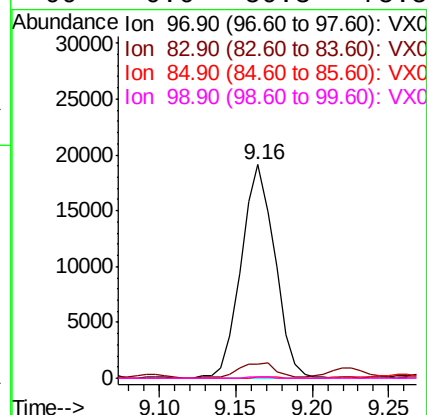
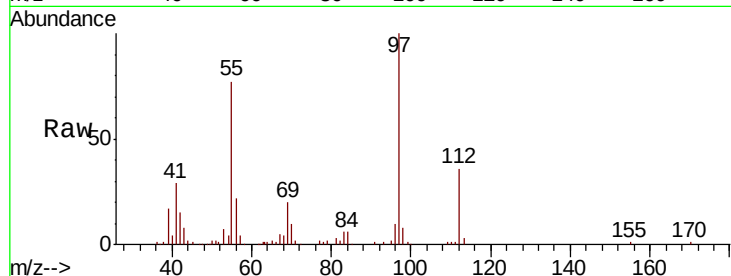




#55
 1,1,2-Trichloroethane
 Concen: 12.317 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

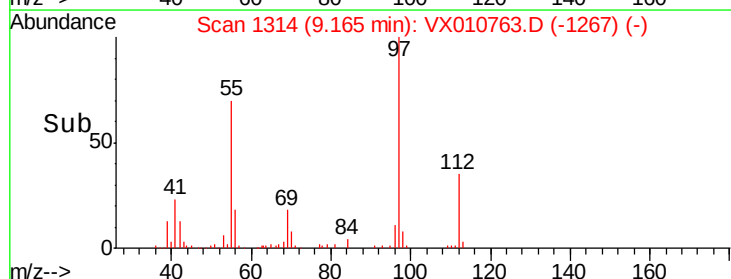
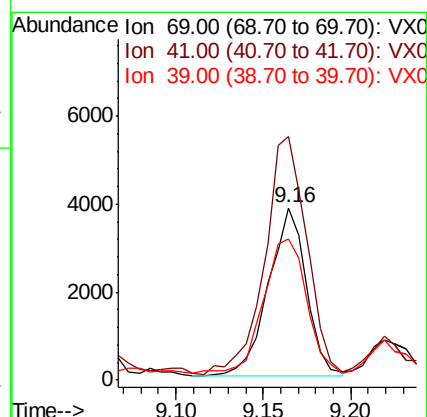
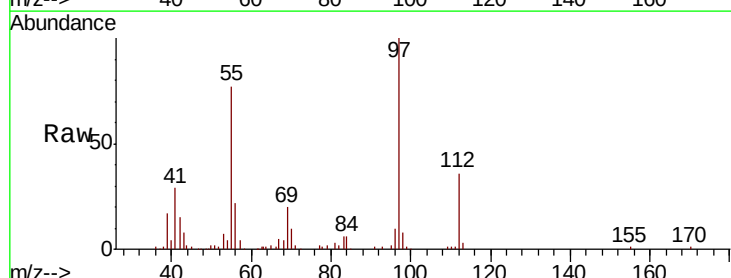
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-2

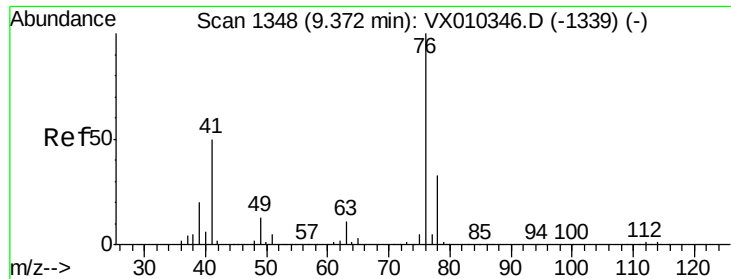
Tot Ion: 97 Resp: 29268
 Ion Ratio Lower Upper
 97 100
 83 6.0 67.4 101.0#
 85 0.4 43.8 65.8#
 99 0.6 50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 1.627 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

Tgt Ion: 69 Resp: 5855
 Ion Ratio Lower Upper
 69 100
 41 155.0 47.1 70.7#
 39 89.6 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 2.032 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.16 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

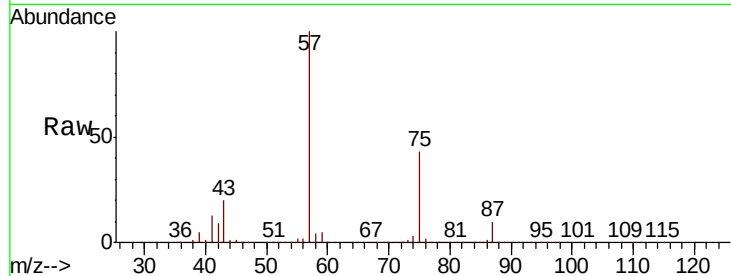
SOIL-SAMPLE-2

Tot Ion: 76 Resp: 7495

Ion Ratio Lower Upper

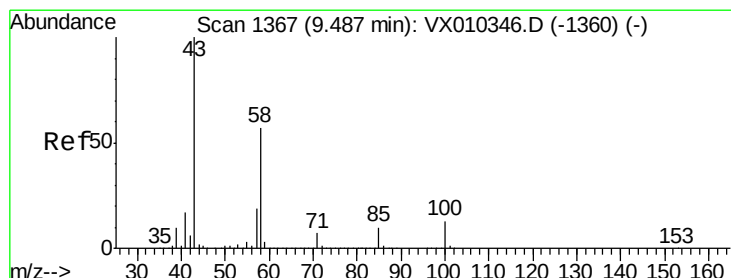
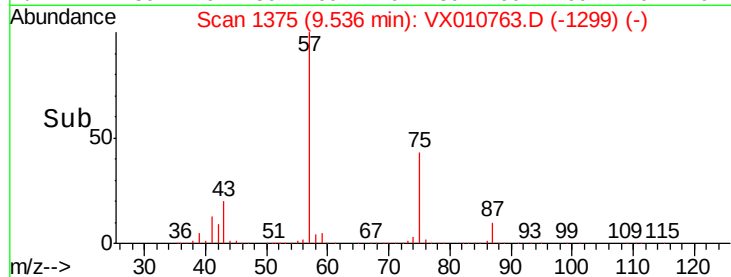
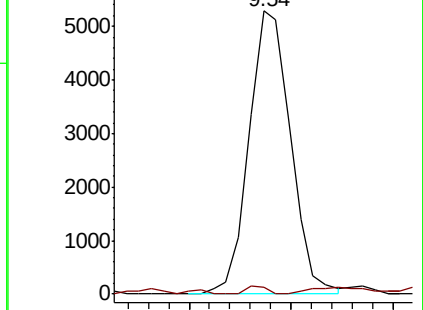
76 100

78 1.3 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 5.174 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.05 min

Lab File: VX010763.D

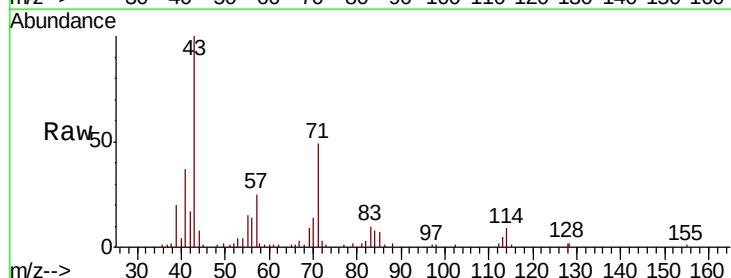
Acq: 09 Jul 2019 20:04

Tgt Ion: 43 Resp: 12449

Ion Ratio Lower Upper

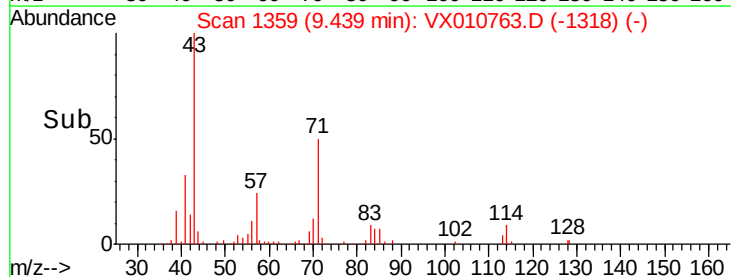
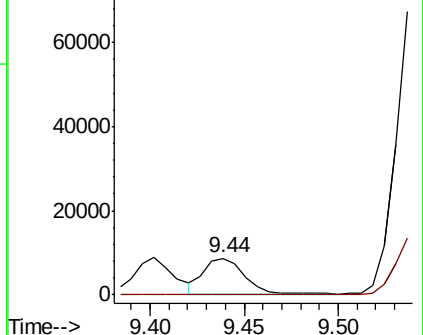
43 100

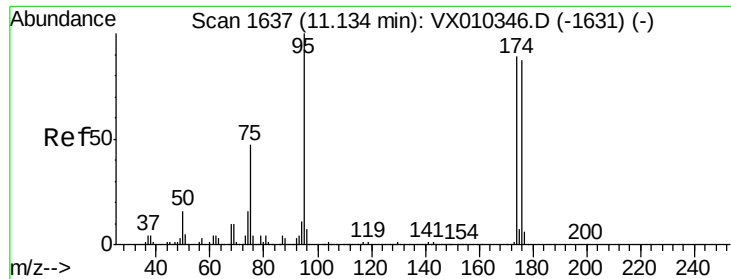
58 0.0 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.150 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-2

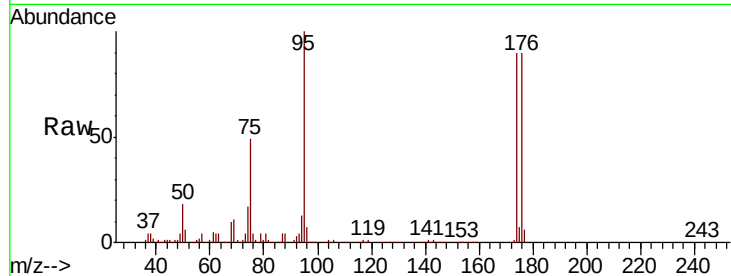
Tot Ion: 95 Resp: 152762

Ion Ratio Lower Upper

95 100

174 93.7 0.0 187.6

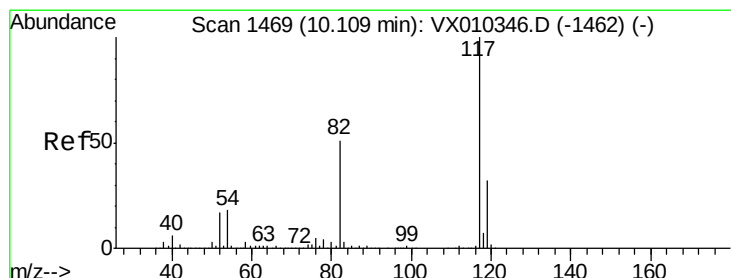
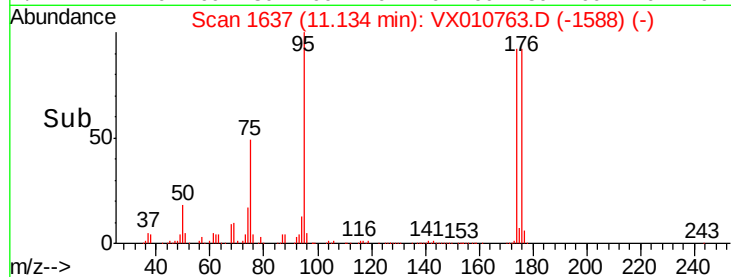
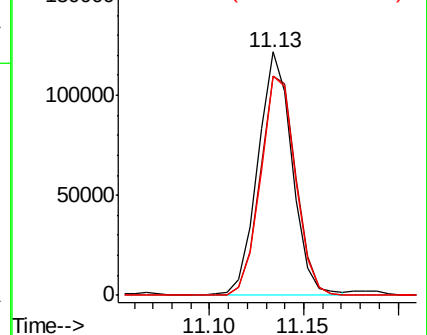
176 91.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

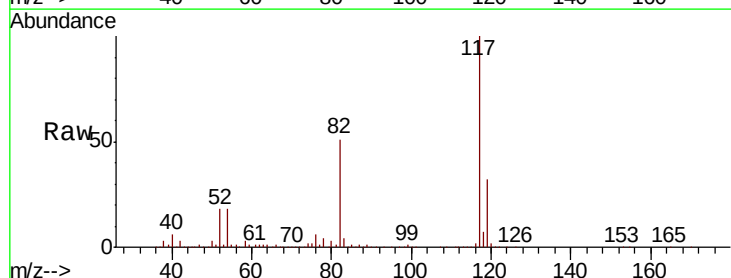
Tgt Ion: 117 Resp: 332530

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

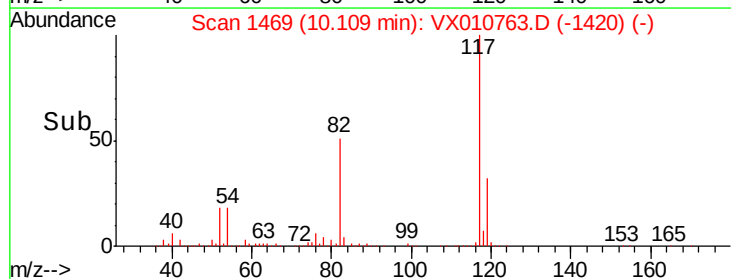
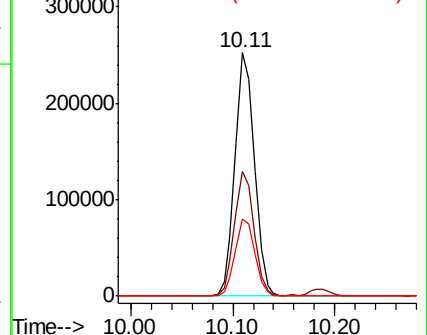
119 31.8 25.5 38.3

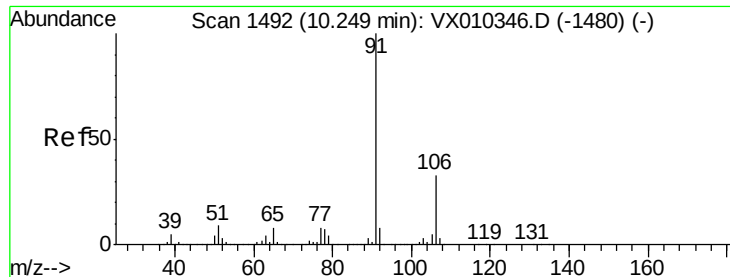


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

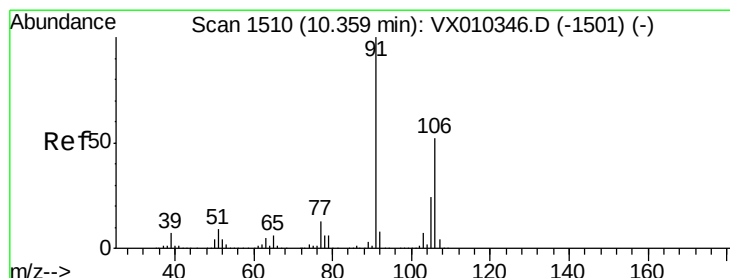
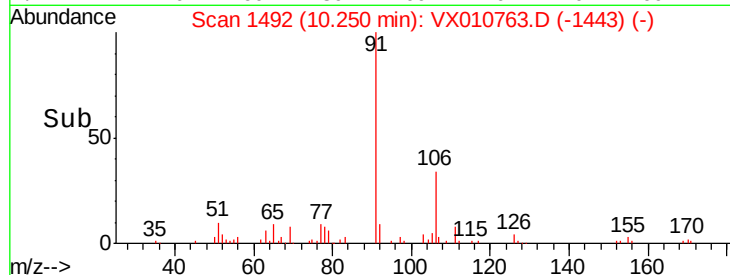
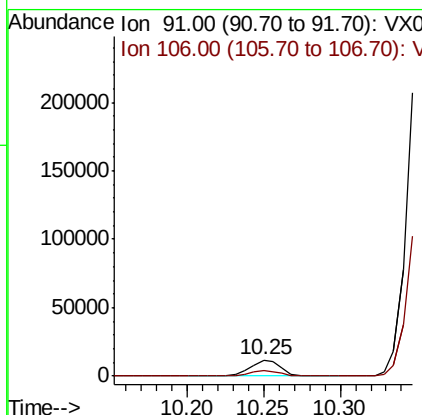
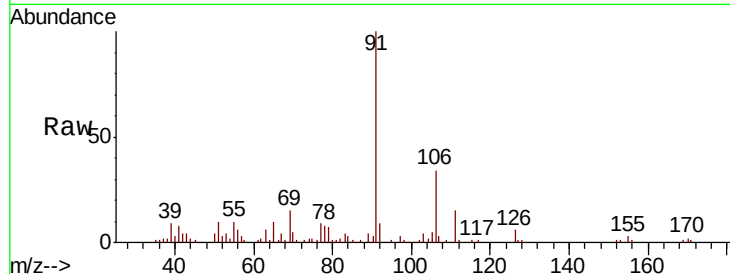




#67
Ethyl Benzene
Concen: 1.394 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

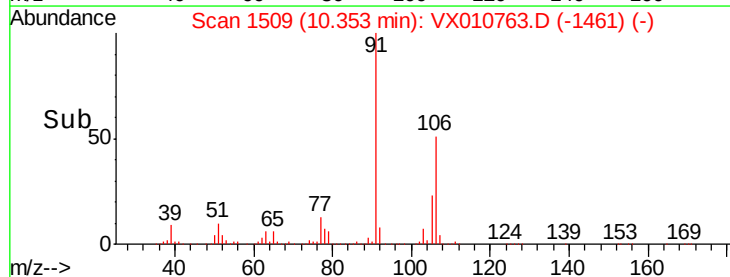
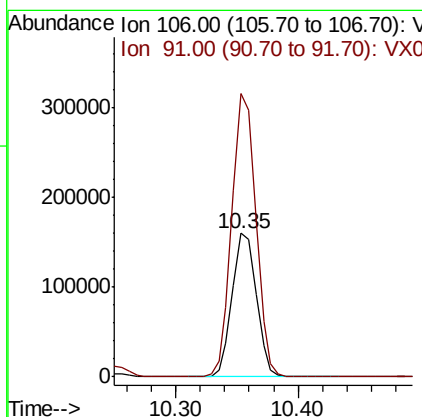
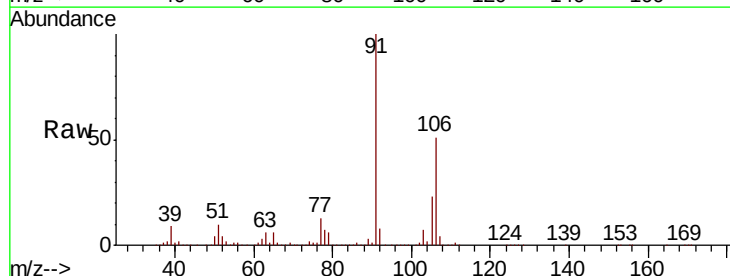
Instrument :
MSVOA_X
ClientSampled :
SOIL-SAMPLE-2

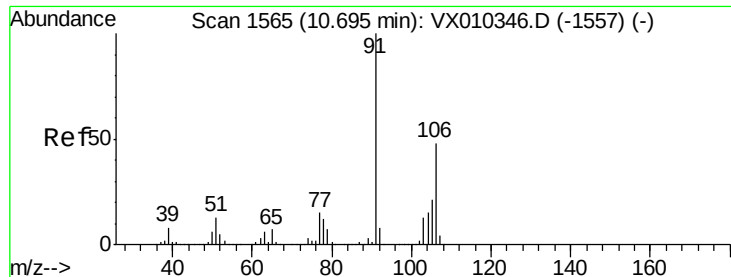
Tot Ion: 91 Resp: 15893
Ion Ratio Lower Upper
91 100
106 34.4 26.2 39.2



#68
m/p-Xylenes
Concen: 49.645 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion: 106 Resp: 219236
Ion Ratio Lower Upper
106 100
91 195.7 155.3 232.9

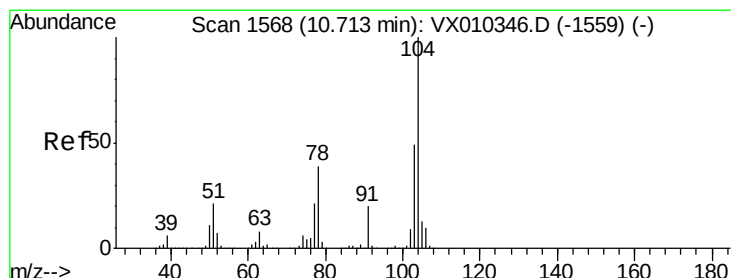
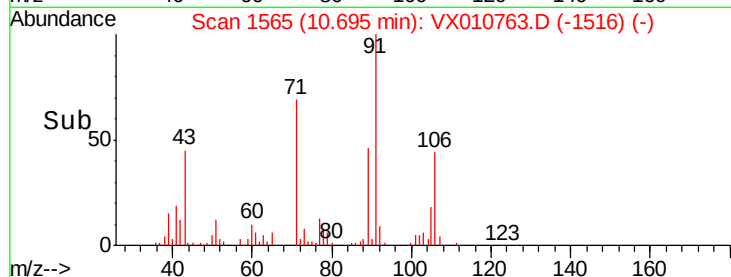
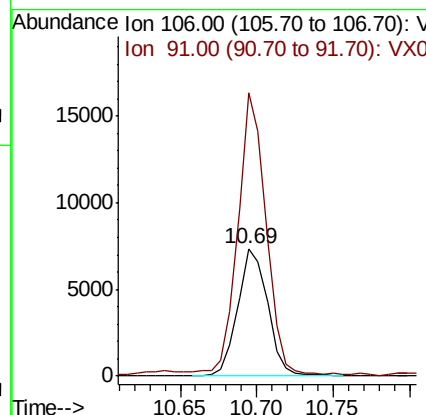
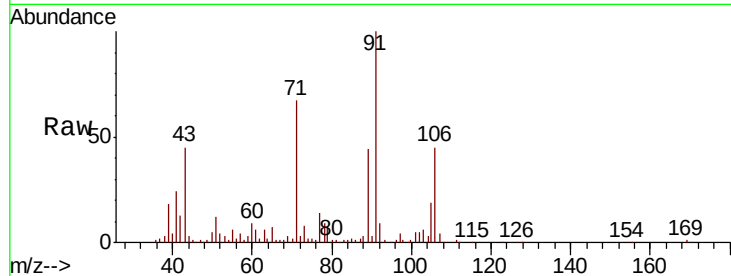




#69
o-Xylene
Concen: 2.298 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

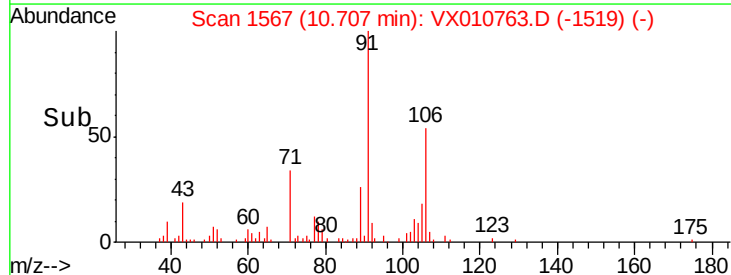
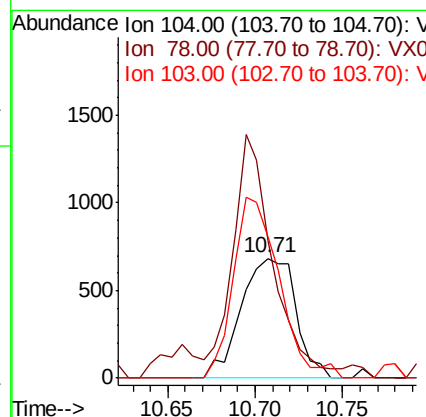
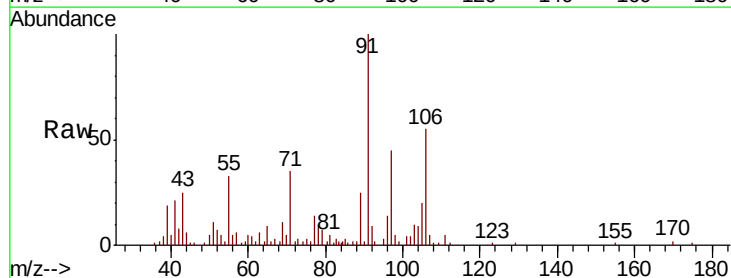
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

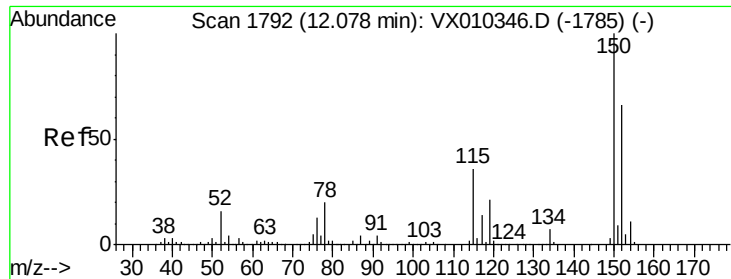
Tot Ion:106 Resp: 9978
Ion Ratio Lower Upper
106 100
91 210.3 102.7 308.1



#70
Styrene
Concen: 0.204 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion:104 Resp: 1488
Ion Ratio Lower Upper
104 100
78 138.0 36.2 54.2#
103 126.9 44.2 66.4#



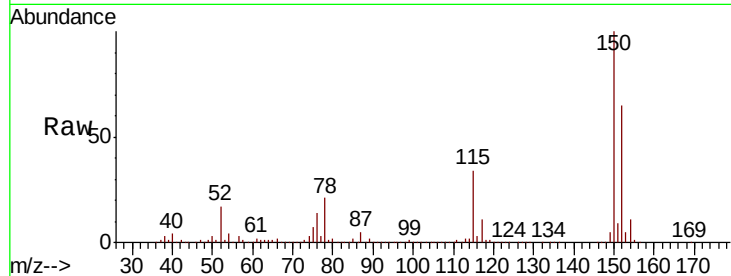


#72

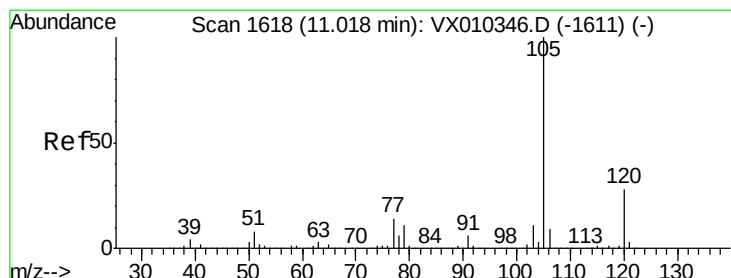
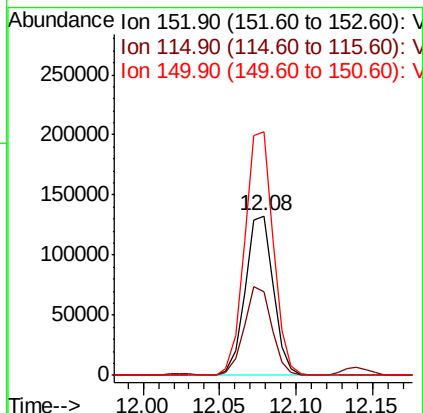
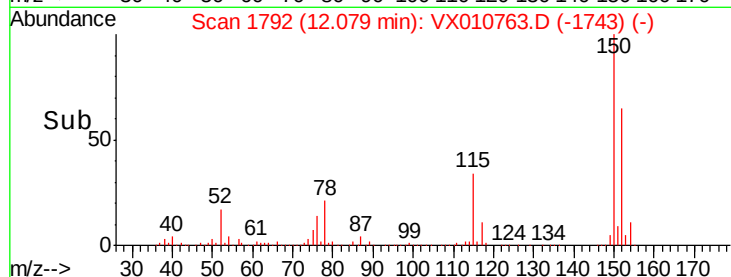
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

Tot Ion:152 Resp: 168474
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 155.1 0.0 347.4



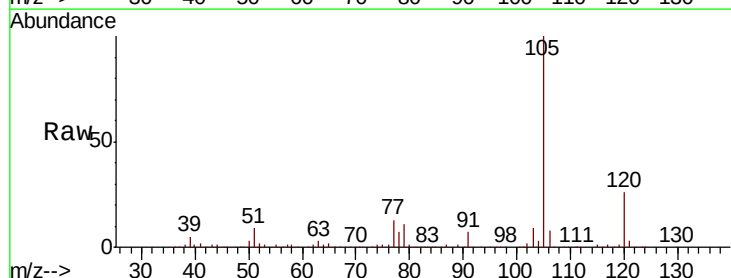
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



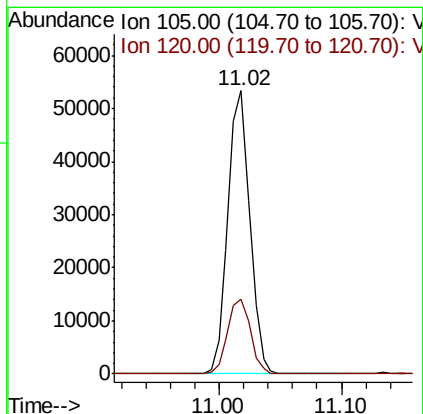
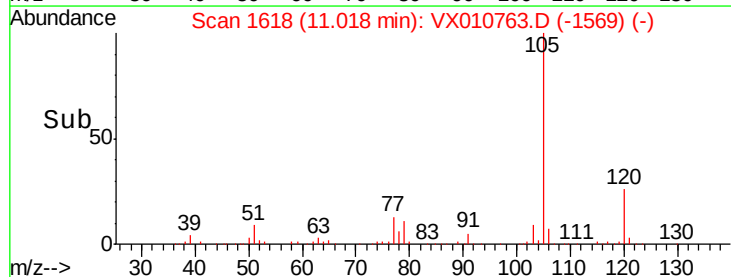
#73

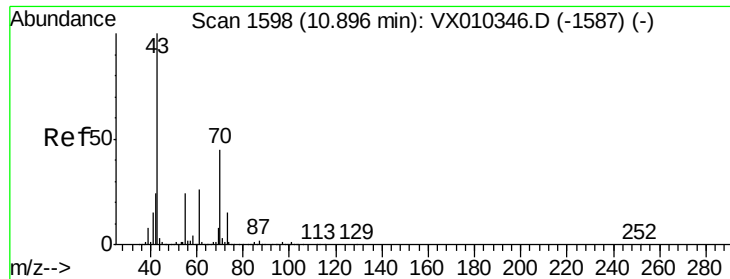
Isopropylbenzene
Concen: 5.813 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion:105 Resp: 66384
Ion Ratio Lower Upper
105 100
120 27.3 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.222 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

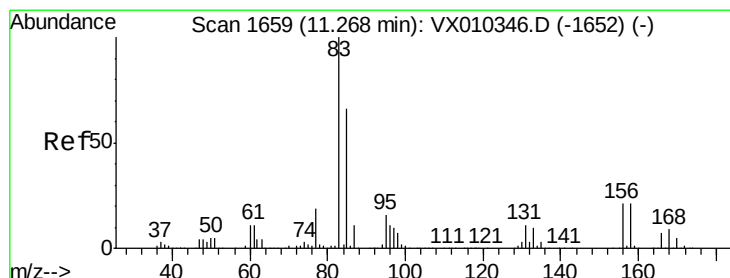
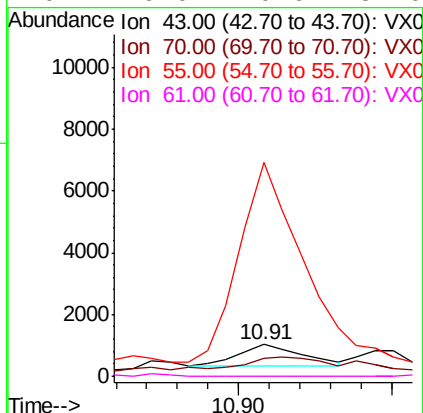
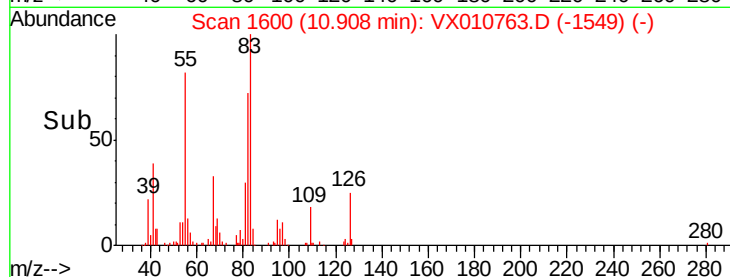
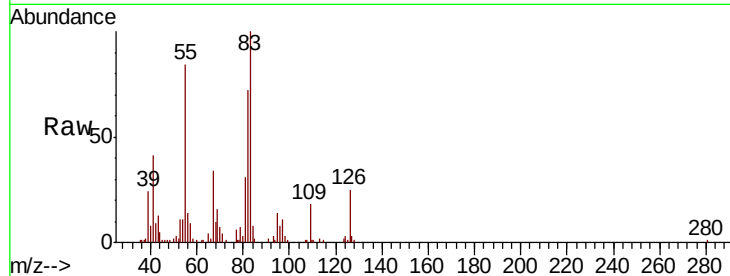
ClientSampleId :

SOIL-SAMPLE-2

Tot Ion: 43 Resp: 959

Ion Ratio Lower Upper

43	100		
70	154.1	36.6	54.8#
55	1079.5	18.7	28.1#
61	0.0	20.6	31.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.260 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

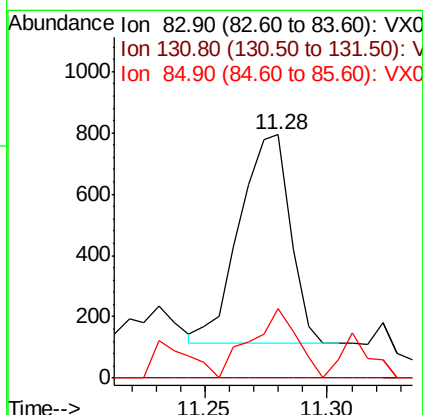
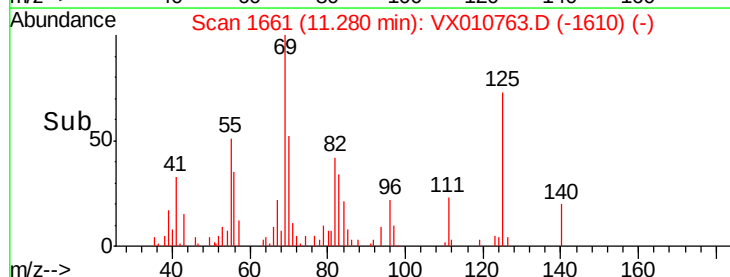
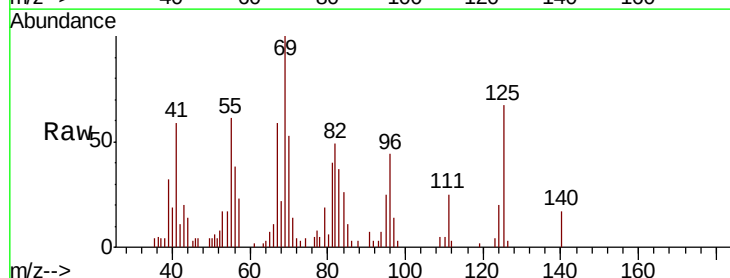
Lab File: VX010763.D

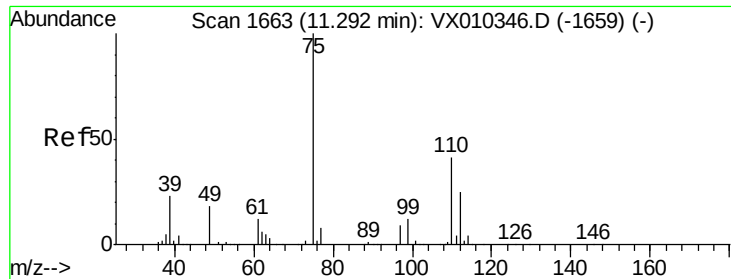
Acq: 09 Jul 2019 20:04

Tgt Ion: 83 Resp: 984

Ion Ratio Lower Upper

83	100		
131	0.0	5.5	16.4#
85	30.1	32.3	96.8#

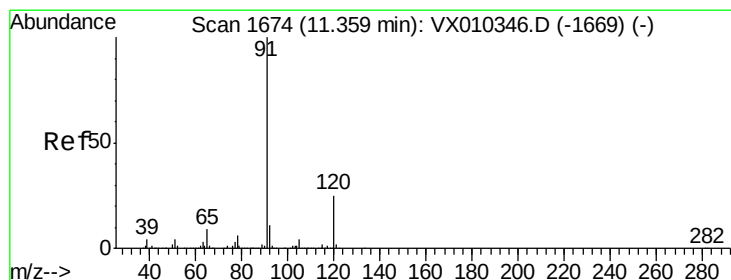
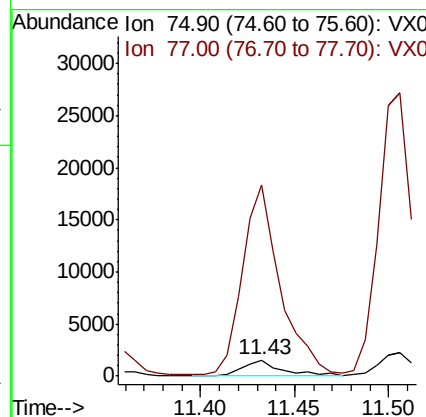
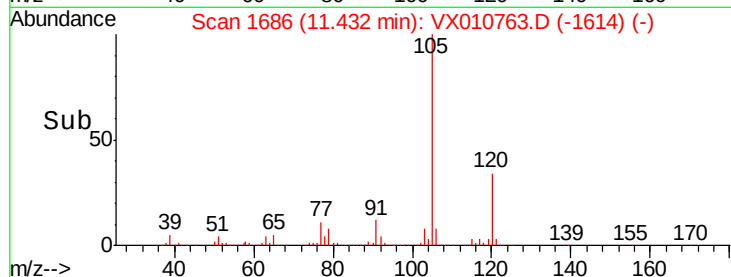
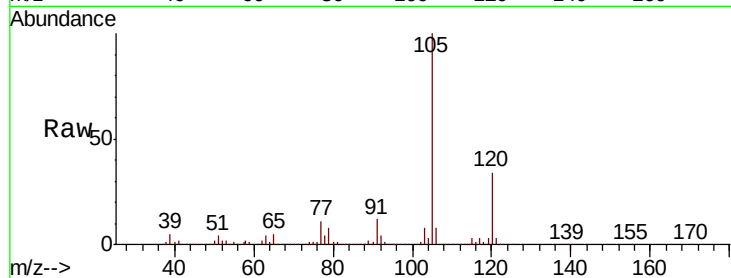




#76
 1,2,3-Trichloropropane
 Concen: 0.747 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.14 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

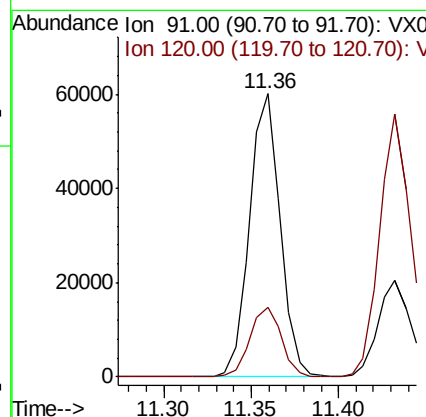
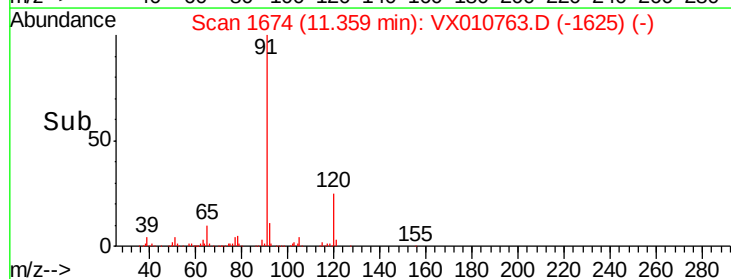
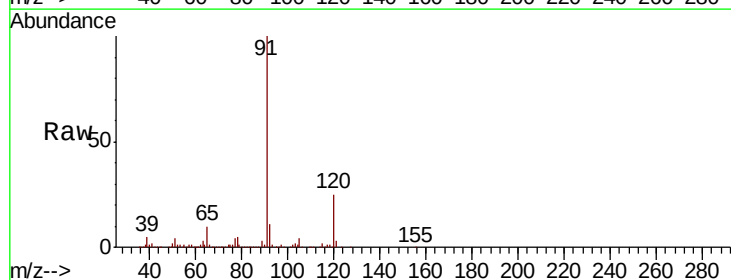
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-2

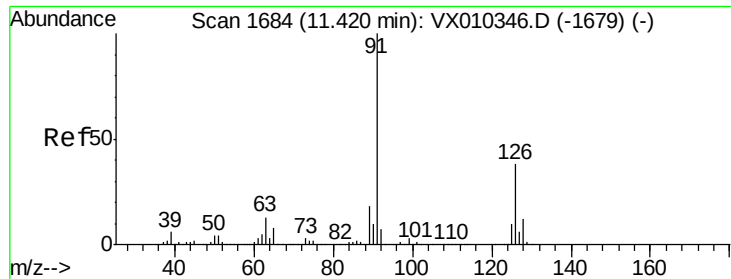
Tot Ion: 75 Resp: 2292
 Ion Ratio Lower Upper
 75 100
 77 1104.3 22.6 67.8#



#78
 n-propylbenzene
 Concen: 5.843 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

Tgt Ion: 91 Resp: 73341
 Ion Ratio Lower Upper
 91 100
 120 25.2 12.4 37.4

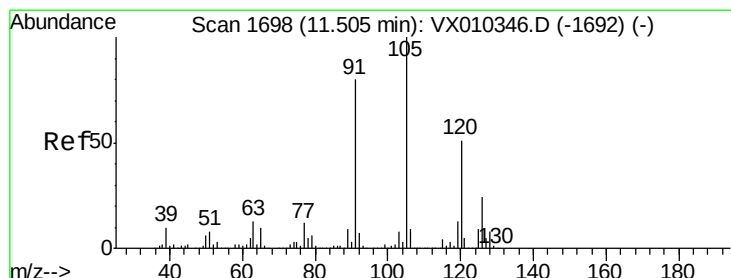
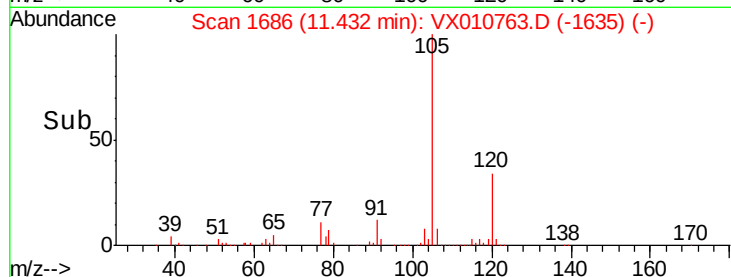
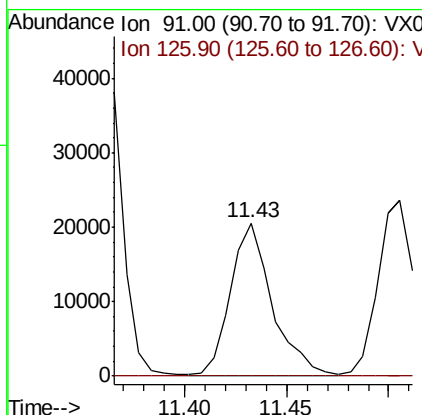
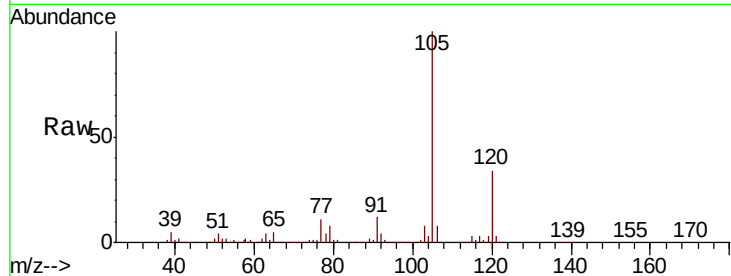




#79
 2-Chlorotoluene
 Concen: 3.870 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

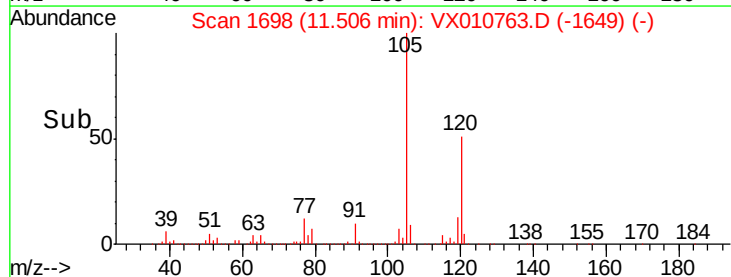
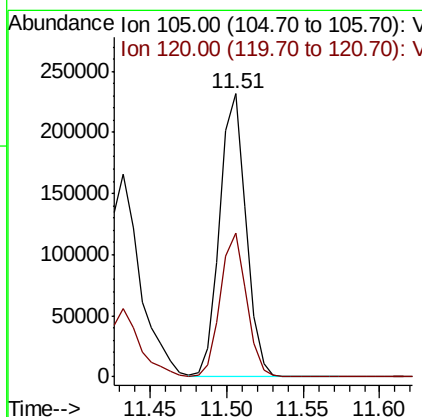
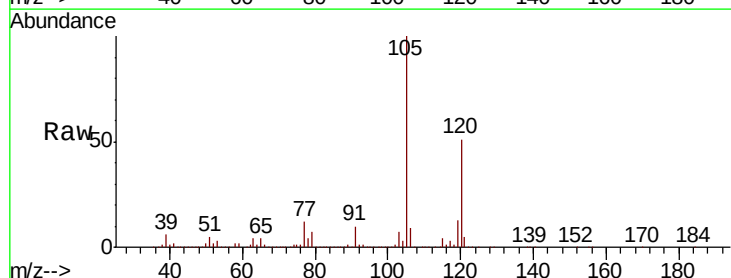
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-2

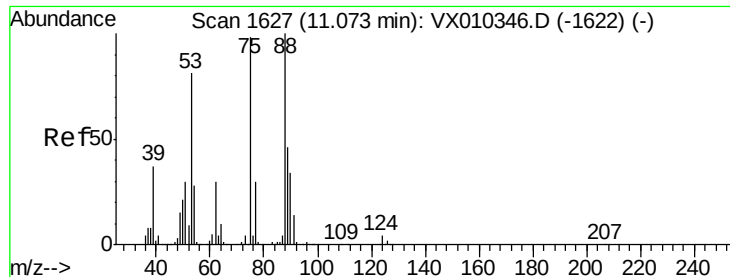
Tot Ion: 91 Resp: 28923
 Ion Ratio Lower Upper
 91 100
 126 0.1 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 29.321 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010763.D
 Acq: 09 Jul 2019 20:04

Tgt Ion:105 Resp: 276050
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.2 75.6

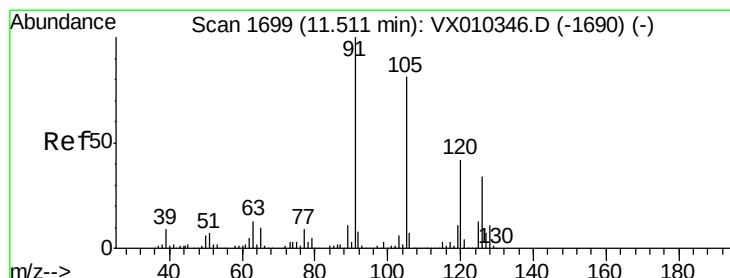
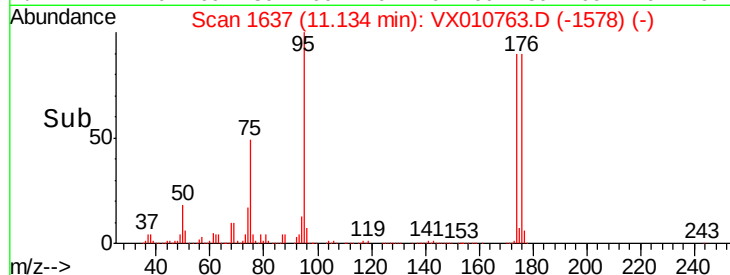
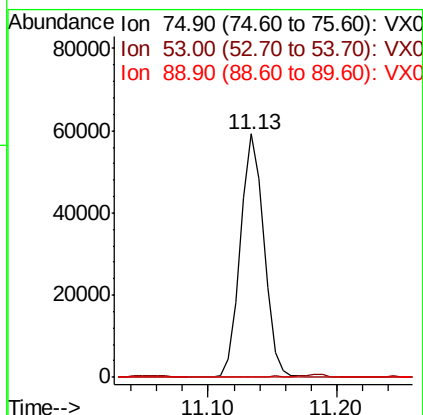
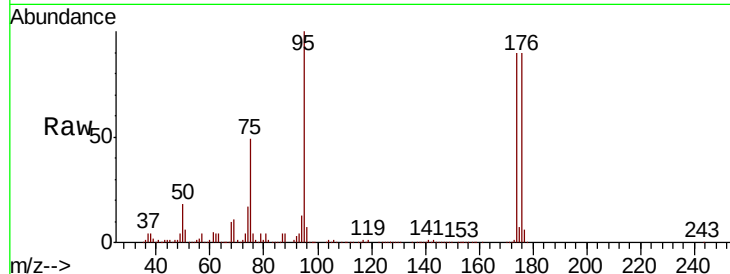




#81
trans-1,4-Dichloro-2-butene
Concen: 56.945 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

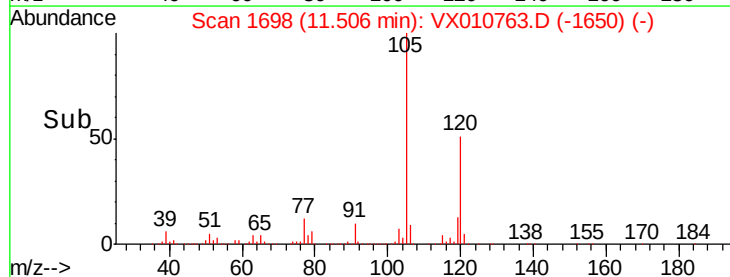
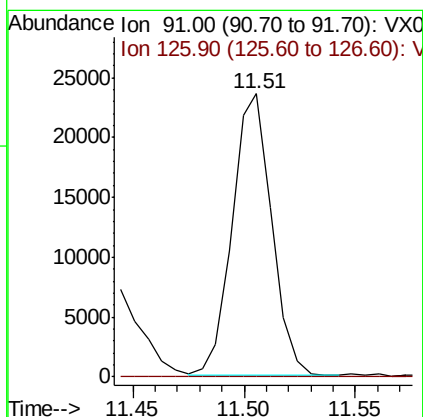
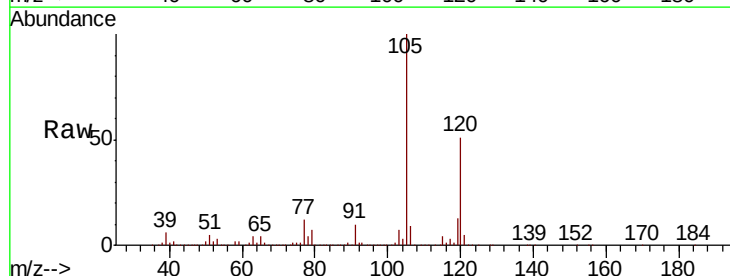
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-2

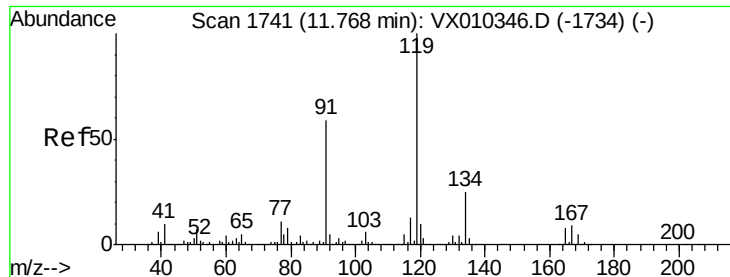
Tot Ion: 75 Resp: 74938
Ion Ratio Lower Upper
75 100
53 0.2 66.1 99.1#
89 0.1 37.8 56.6#



#82
4-Chlorotoluene
Concen: 3.393 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010763.D
Acq: 09 Jul 2019 20:04

Tgt Ion: 91 Resp: 28860
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#





#83

tert-Butylbenzene

Concen: 0.919 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

SOIL-SAMPLE-2

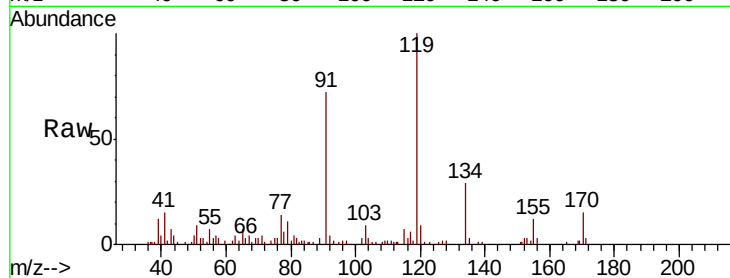
Tot Ion:119 Resp: 8688

Ion Ratio Lower Upper

119 100

91 67.0 27.6 82.7

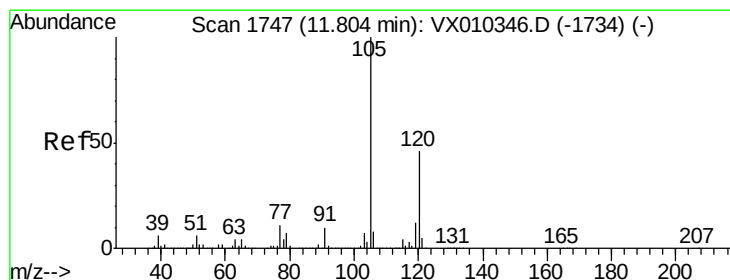
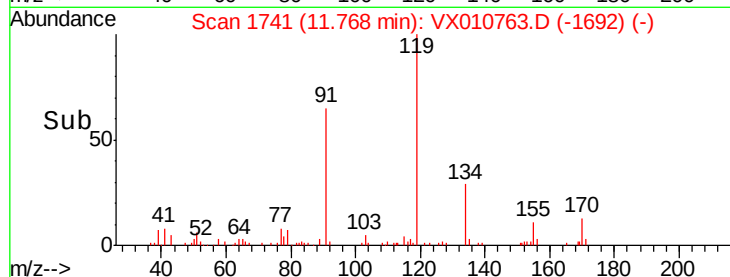
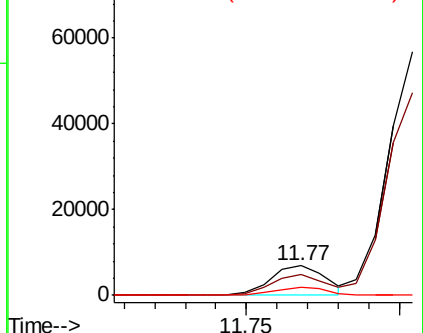
134 27.4 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.487 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010763.D

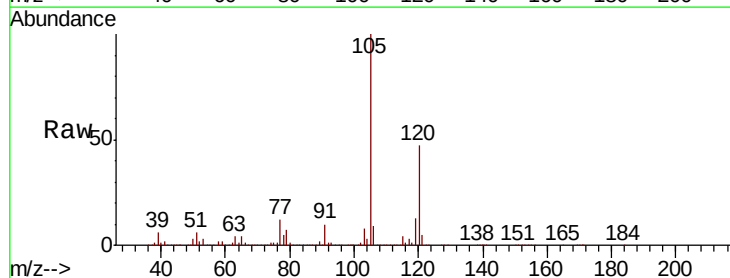
Acq: 09 Jul 2019 20:04

Tgt Ion:105 Resp: 543763

Ion Ratio Lower Upper

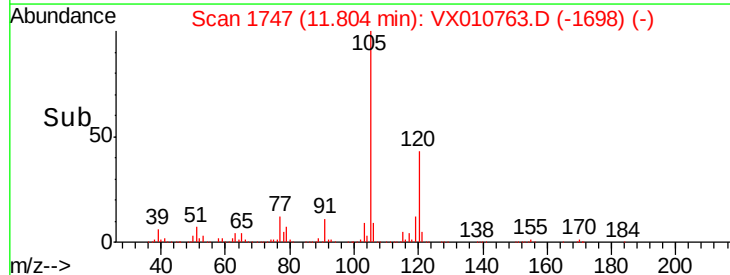
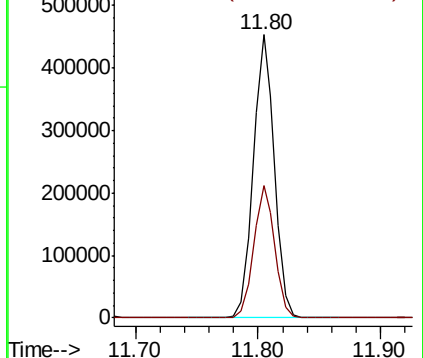
105 100

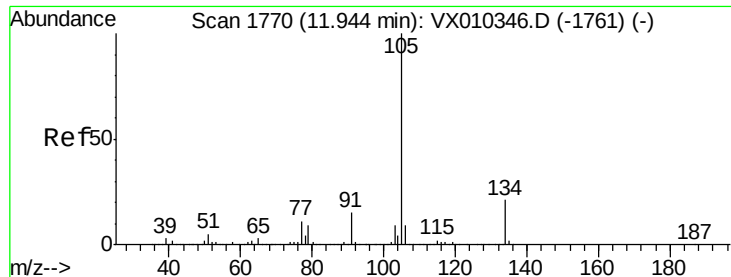
120 46.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.005 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

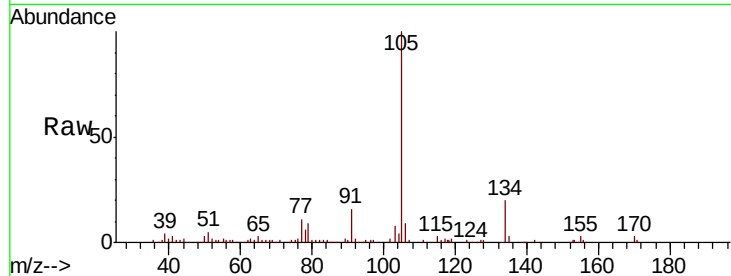
SOIL-SAMPLE-2

Tot Ion:105 Resp: 22247

Ion Ratio Lower Upper

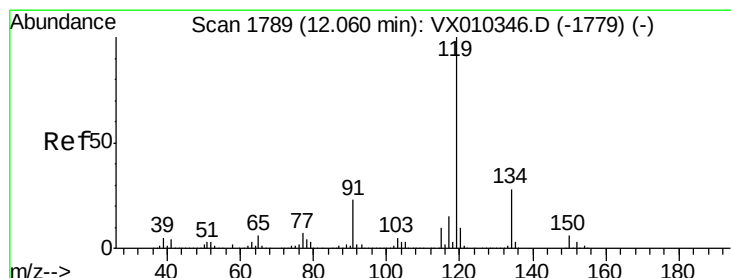
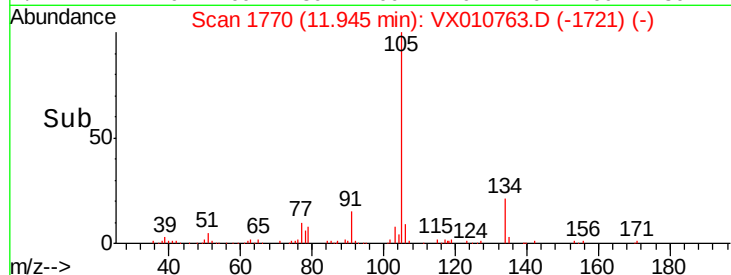
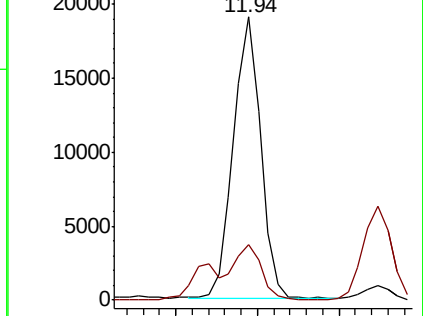
105 100

134 20.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.210 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

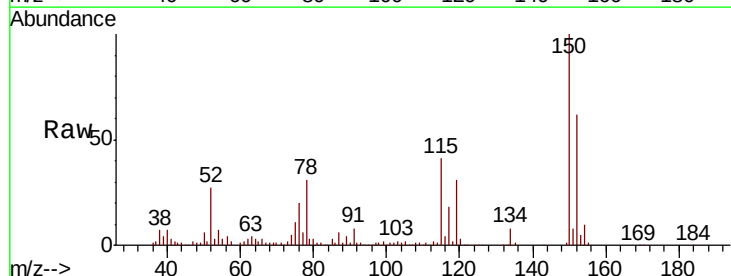
Tgt Ion:119 Resp: 12416

Ion Ratio Lower Upper

119 100

134 28.1 13.7 41.1

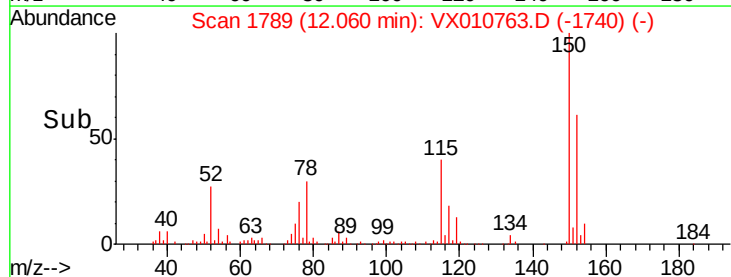
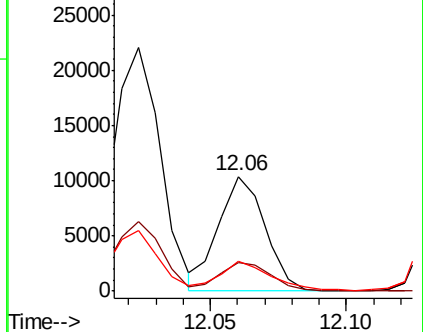
91 28.7 11.3 33.8

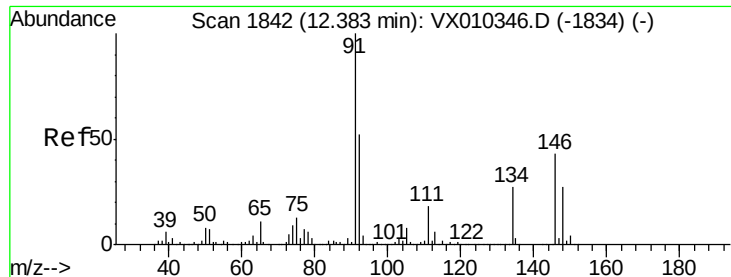


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 1.411 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-2

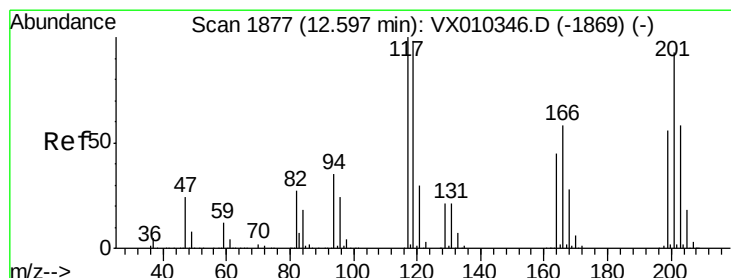
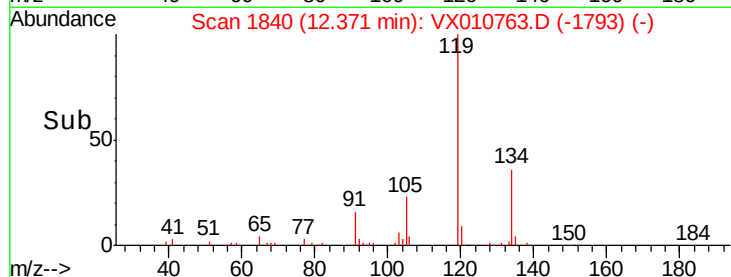
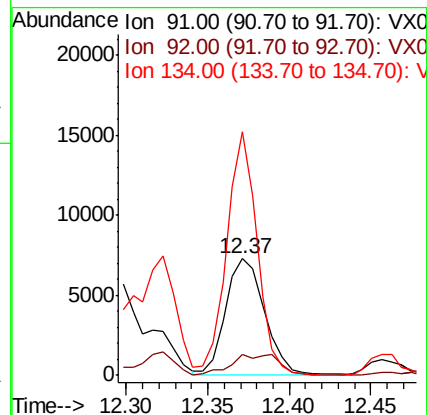
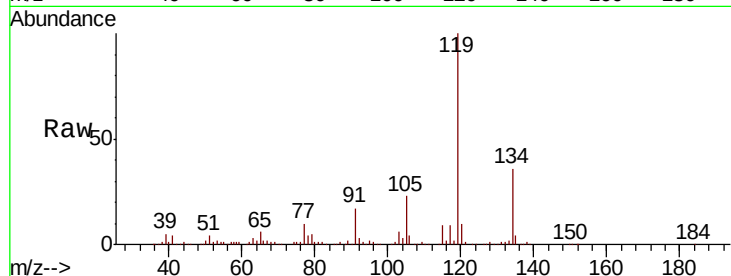
Tot Ion: 91 Resp: 12305

Ion Ratio Lower Upper

91 100

92 21.9 26.2 78.5#

134 160.3 14.1 42.4#



#90

Hexachloroethane

Concen: 1.371 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010763.D

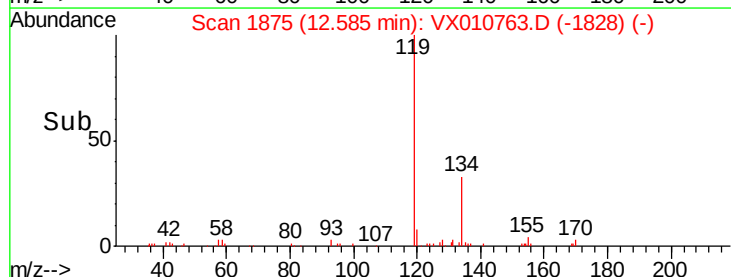
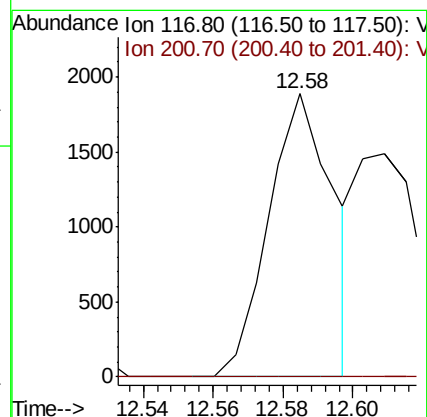
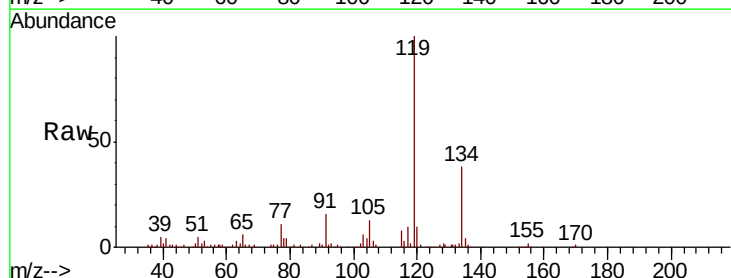
Acq: 09 Jul 2019 20:04

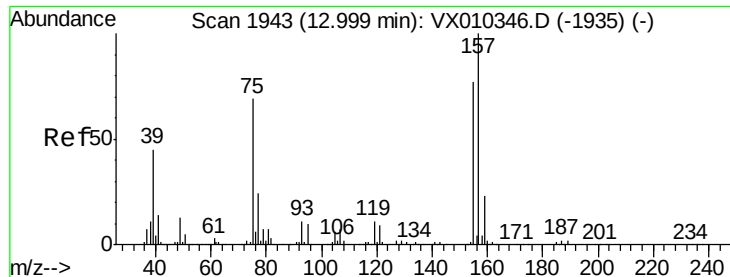
Tgt Ion: 117 Resp: 2432

Ion Ratio Lower Upper

117 100

201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-2

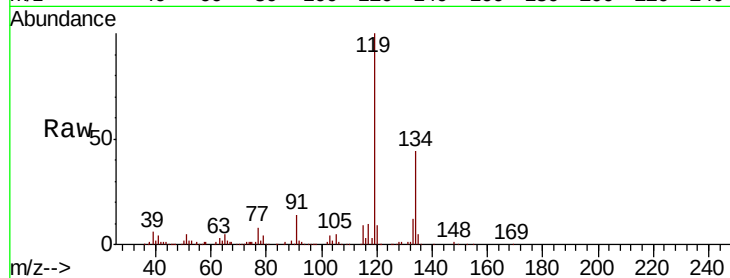
Tot Ion: 75 Resp: 398

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

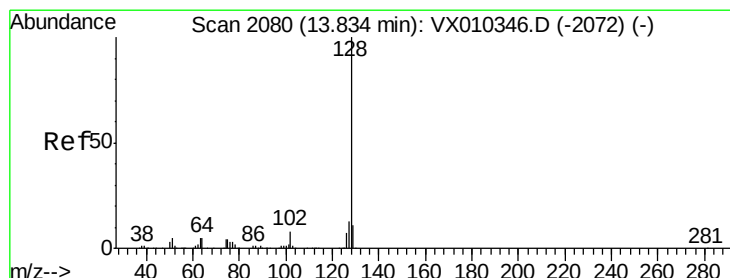
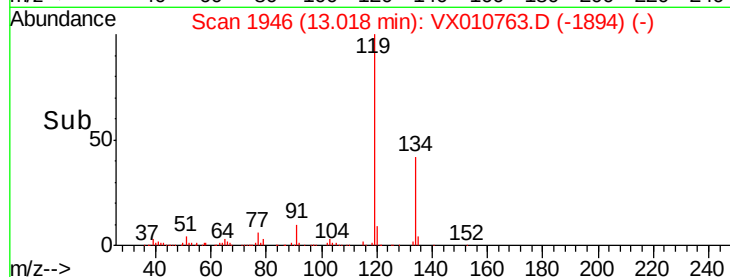
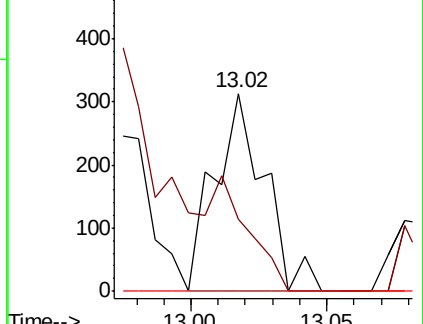
157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 13.972 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010763.D

Acq: 09 Jul 2019 20:04

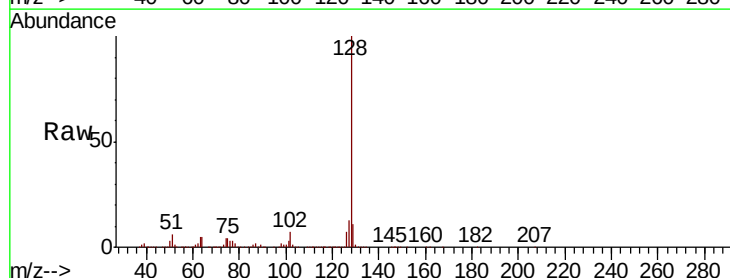
Tgt Ion:128 Resp: 164731

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 11.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

