

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062707.D
 Acq On : 14 Jun 2019 13:29
 Operator : VA/AP
 Sample : K3366-01
 Misc : 5.22g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-SOIL

Quant Time: Jun 15 04:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	95517	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	148684	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	88164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	28033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	79570	57.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.46%	
35) Dibromofluoromethane	6.93	113	59968	38.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.48%	
50) Toluene-d8	10.41	98	67368	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
62) 4-Bromofluorobenzene	13.55	95	26104	16.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.92%	

Target Compounds

						Qvalue
5) Bromomethane	2.18	94	1658	3.370	ug/l #	68
8) Diethyl Ether	2.88	74	652	2.198	ug/l	56
10) Methyl Iodide	3.31	142	1474	4.803	ug/l #	45
11) Tert butyl alcohol	4.07	59	7191	126.926	ug/l #	61
13) Acrolein	3.08	56	210	11.523	ug/l #	12
16) Acetone	3.23	43	176878	700.814	ug/l	100
17) Carbon Disulfide	3.38	76	9848	3.958	ug/l #	76
18) Methyl Acetate	3.65	43	20439	49.277	ug/l	94
20) Methylene Chloride	3.83	84	3742	3.513	ug/l #	69
25) 2-Butanone	6.06	43	23684	96.188	ug/l #	86
29) Tetrahydrofuran	6.43	42	220	1.984	ug/l #	33
31) Cyclohexane	6.96	56	3252	2.990	ug/l #	72
37) Ethyl Acetate	6.06	43	23683	33.058	ug/l #	74
38) Carbon Tetrachloride	7.05	117	10069	3.744	ug/l #	14
39) Methylcyclohexane	8.88	83	11083	8.060	ug/l #	81
40) Benzene	7.46	78	12568	3.782	ug/l #	88
43) Isopropyl Acetate	9.29	43	936	1.042	ug/l #	52
48) Methyl methacrylate	9.12	41	778	1.199	ug/l #	71
51) 4-Methyl-2-Pentanone	10.29	43	8013	12.754	ug/l	93
52) Toluene	10.51	92	24561	10.995	ug/l	95
56) Ethyl methacrylate	11.11	69	587	4.525	ug/l	95
59) 2-Hexanone	11.53	43	4681	10.016	ug/l #	65
67) Ethyl Benzene	12.52	91	24595	7.113	ug/l	97
68) m/p-Xylenes	12.67	106	46835	38.530	ug/l	100
69) o-Xylene	13.05	106	22409	20.073	ug/l	84
70) Styrene	13.05	104	2735	1.373	ug/l #	1
73) Isopropylbenzene	13.40	105	2816	1.425	ug/l #	54
74) N-amyl acetate	13.22	43	14844	27.798	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	13.71	83	2900	8.578	ug/l #	58
76) 1,2,3-Trichloropropane	13.73	75	560	1.473	ug/l #	42
78) n-propylbenzene	13.78	91	6553	2.709	ug/l	89
79) 2-Chlorotoluene	13.85	91	5288	3.734	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.93	105	21546	12.338	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.55	75	11963	101.757	ug/l #	8

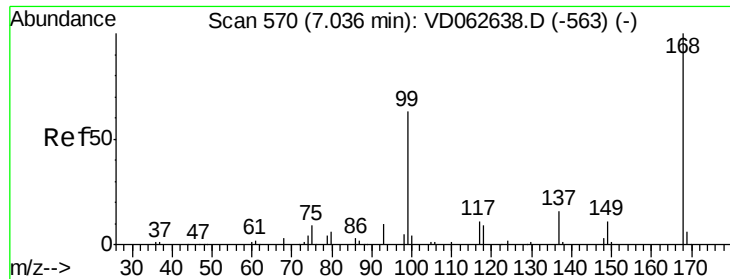
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062707.D
 Acq On : 14 Jun 2019 13:29
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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.95	91	4713	2.783	ug/l	72
84) 1,2,4-Trimethylbenzene	14.23	105	56144	32.472	ug/l	96
85) sec-Butylbenzene	14.37	105	4107	2.033	ug/l	86
86) p-Isopropyltoluene	14.49	119	5184	2.636	ug/l #	76
87) 1,3-Dichlorobenzene	14.46	146	1160	1.134	ug/l #	28
88) 1,4-Dichlorobenzene	14.53	146	1728	1.787	ug/l #	28
89) n-Butylbenzene	14.77	91	18193	10.284	ug/l #	1
90) Hexachloroethane	14.98	117	3117	6.004	ug/l #	8
91) 1,2-Dichlorobenzene	14.80	146	1520	1.787	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	15.37	75	750	10.385	ug/l #	22
93) 1,2,4-Trichlorobenzene	15.95	180	3510	8.086	ug/l #	14
94) Hexachlorobutadiene	16.03	225	639	1.273	ug/l #	55
95) Naphthalene	16.12	128	18380	20.273	ug/l #	82
96) 1,2,3-Trichlorobenzene	16.25	180	6659	13.594	ug/l	60

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

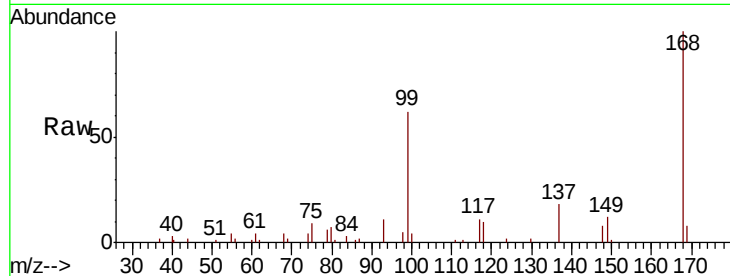
OILY-SOIL

Tot Ion:168 Resp: 95517

Ion Ratio Lower Upper

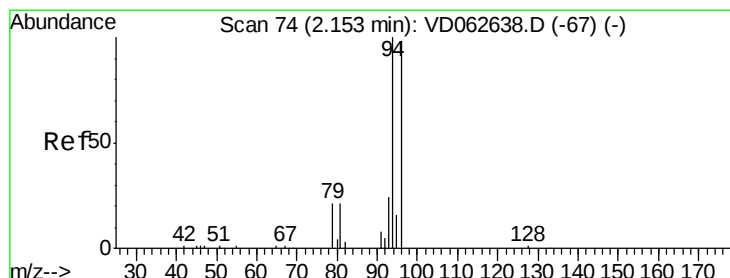
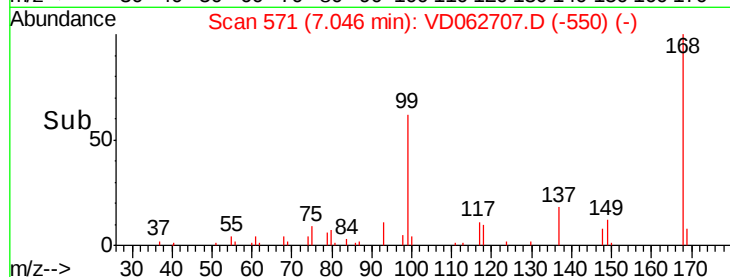
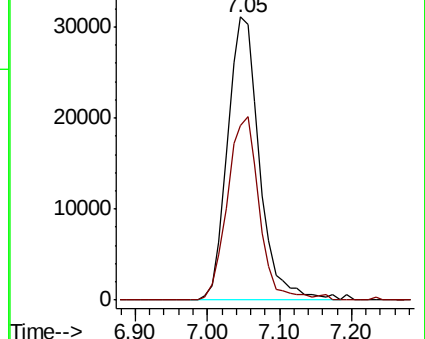
168 100

99 61.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.370 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

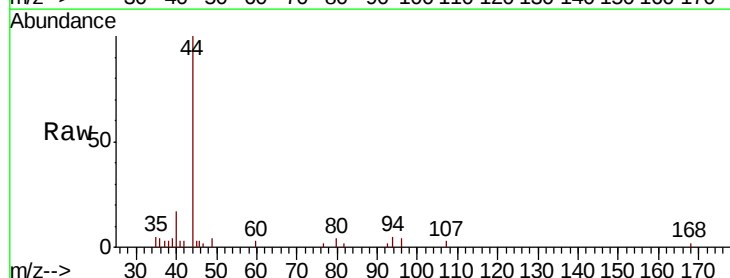
Tgt Ion: 94 Resp: 1658

Ion Ratio Lower Upper

94 100

96 70.2 78.1 117.1#

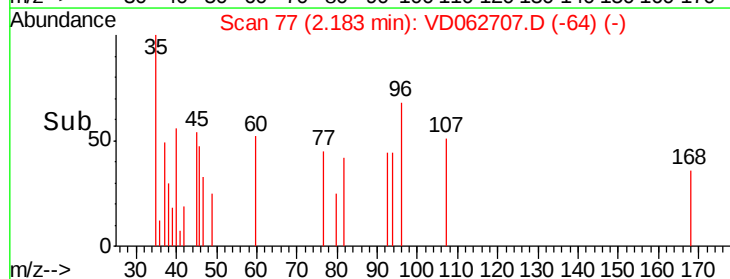
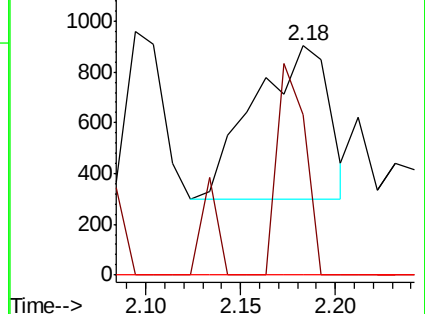
93 0.0 19.6 29.4#

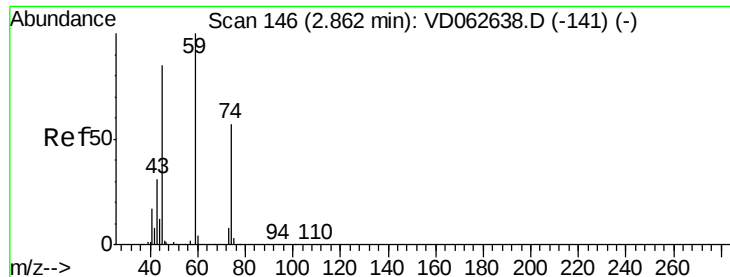


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 2.198 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

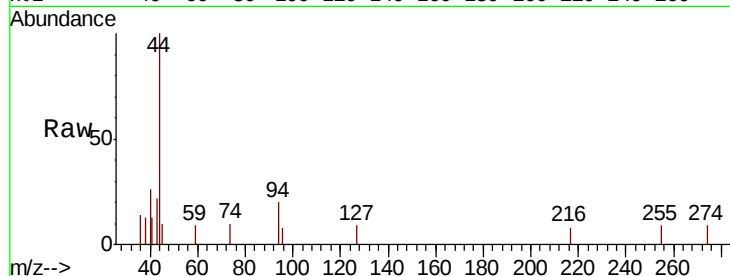
OILY-SOIL

Tot Ion: 74 Resp: 652

Ion Ratio Lower Upper

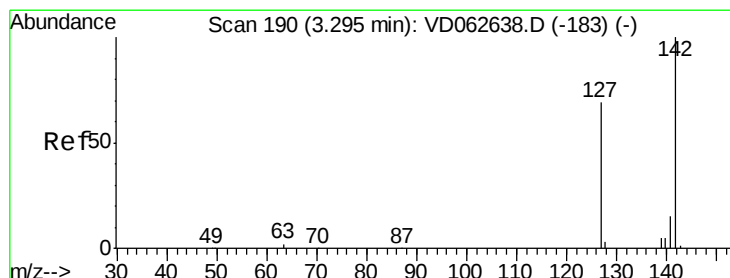
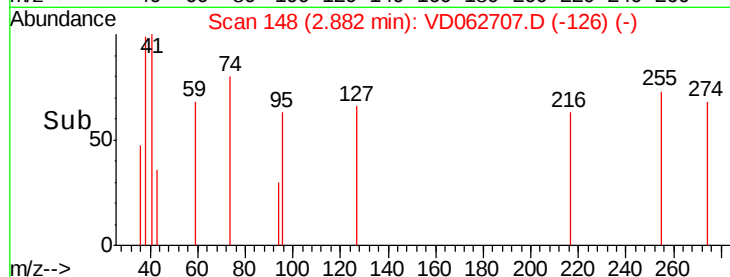
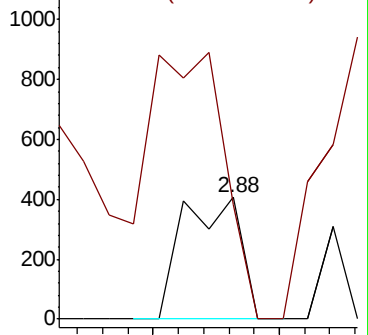
74 100

45 93.6 74.9 224.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 4.803 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

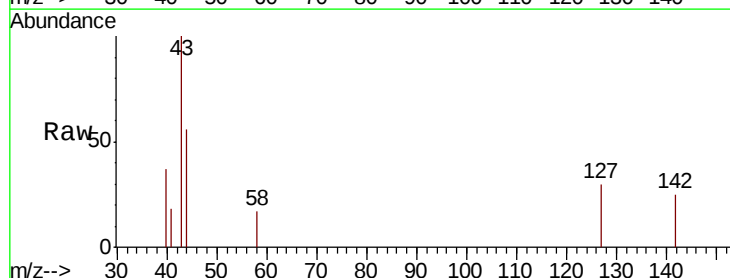
Tgt Ion: 142 Resp: 1474

Ion Ratio Lower Upper

142 100

127 117.2 55.2 82.8#

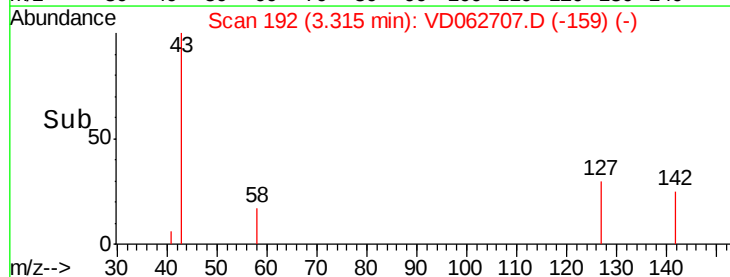
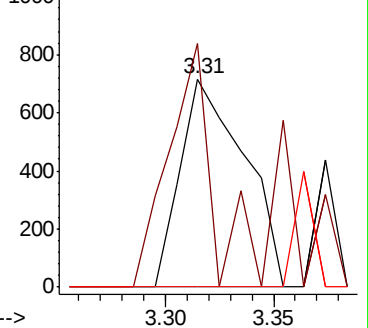
141 0.0 12.1 18.1#

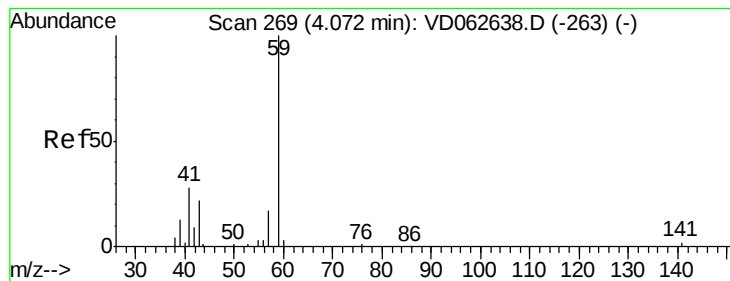


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



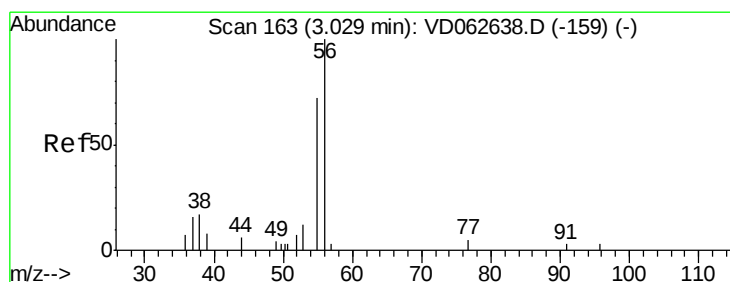
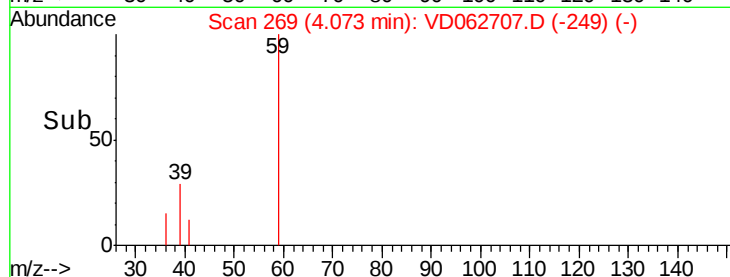
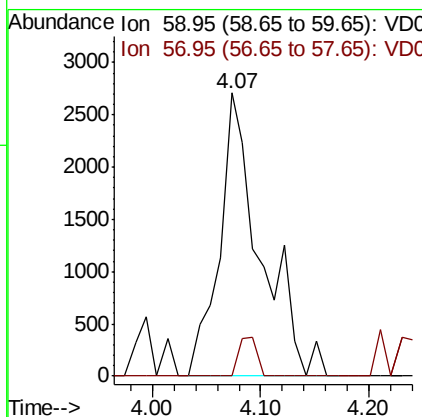
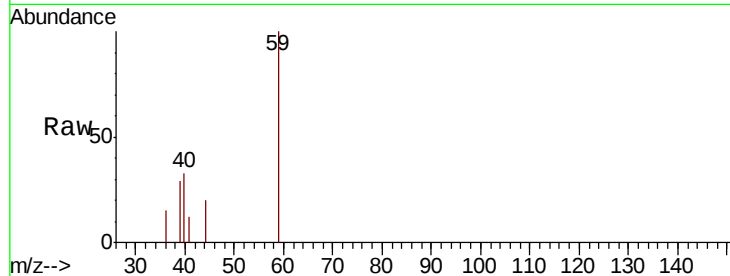


#11

Tert butyl alcohol
 Concen: 126.926 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Instrument :
 MSVOA_D
 ClientSampled :
 OILY-SOIL

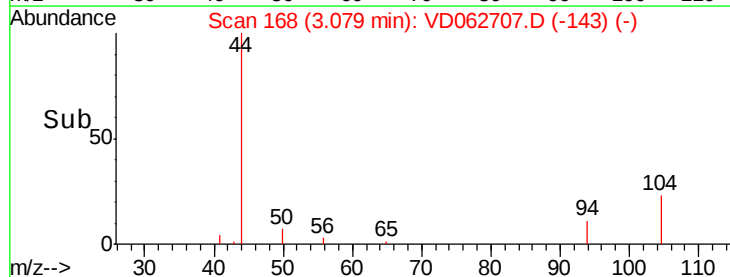
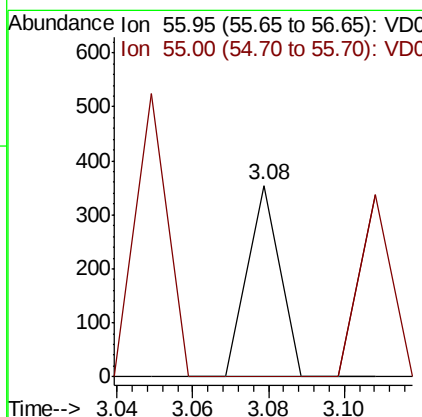
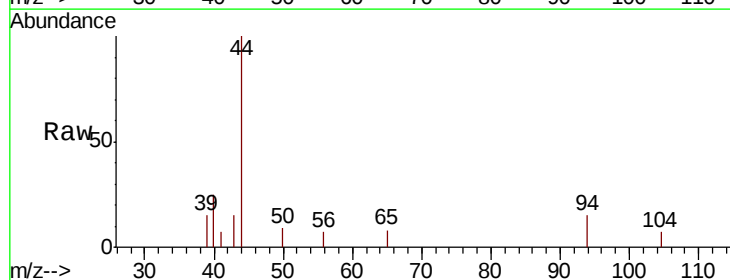
Tot Ion: 59 Resp: 7191
 Ion Ratio Lower Upper
 59 100
 57 0.0 13.7 20.5#

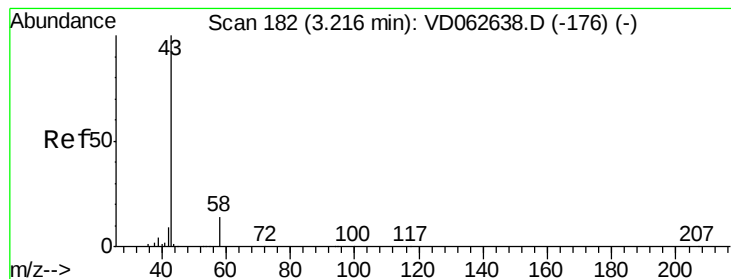


#13

Acrolein
 Concen: 11.523 ug/l
 RT: 3.08 min Scan# 168
 Delta R.T. 0.05 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion: 56 Resp: 210
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.4 89.0#





#16

Acetone

Concen: 700.814 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

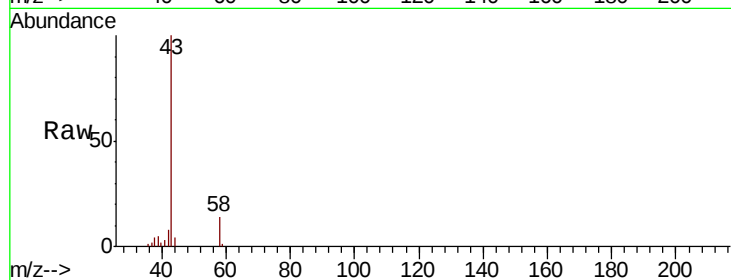
OILY-SOIL

Tot Ion: 43 Resp: 176878

Ion Ratio Lower Upper

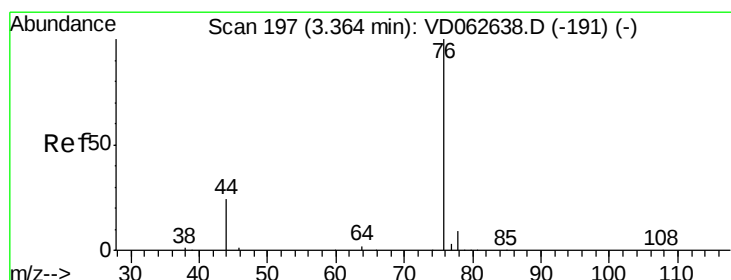
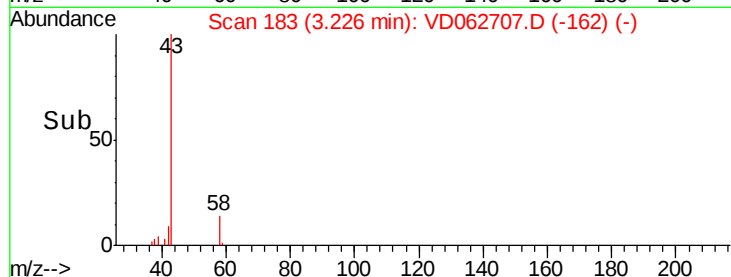
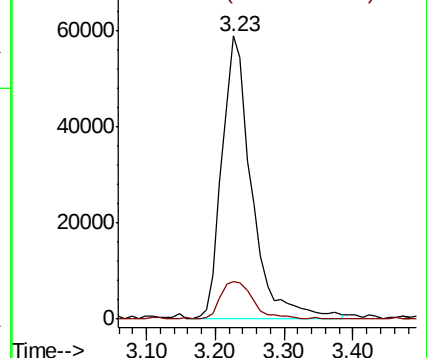
43 100

58 13.5 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 3.958 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062707.D

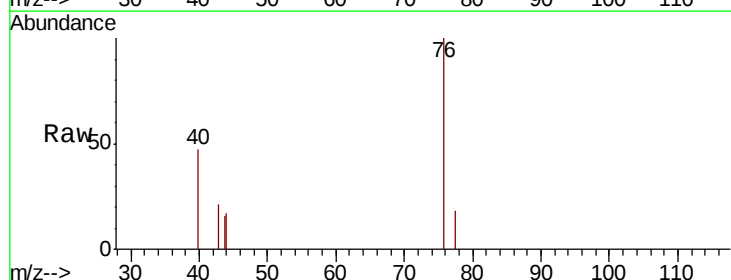
Acq: 14 Jun 2019 13:29

Tgt Ion: 76 Resp: 9848

Ion Ratio Lower Upper

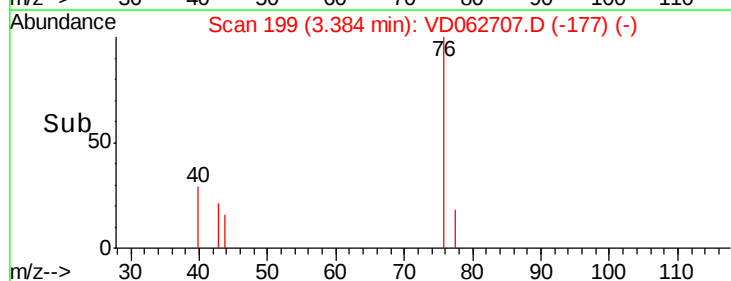
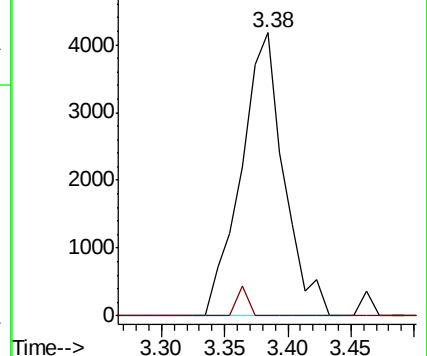
76 100

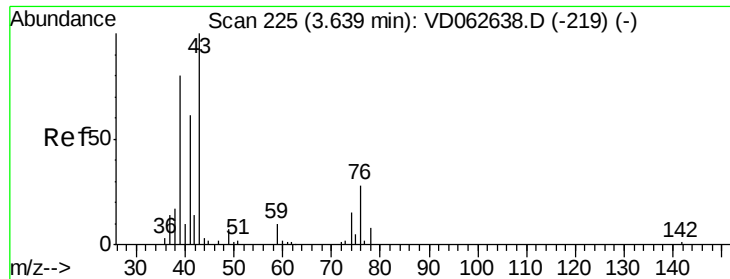
78 0.0 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

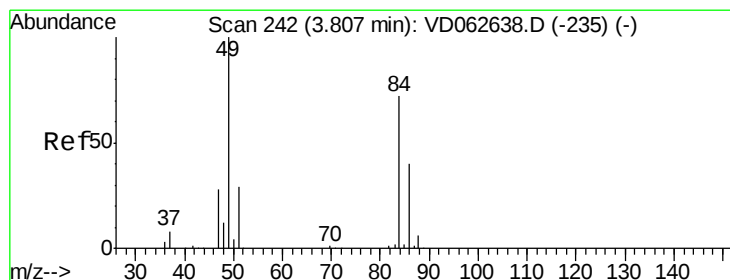
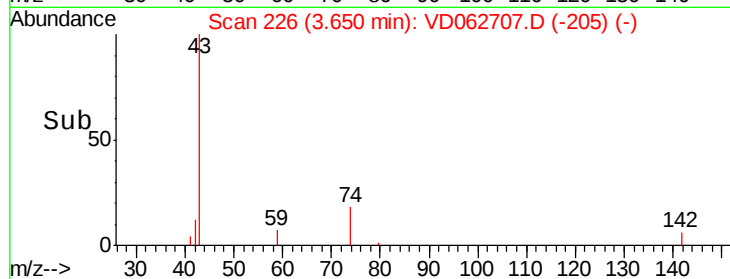
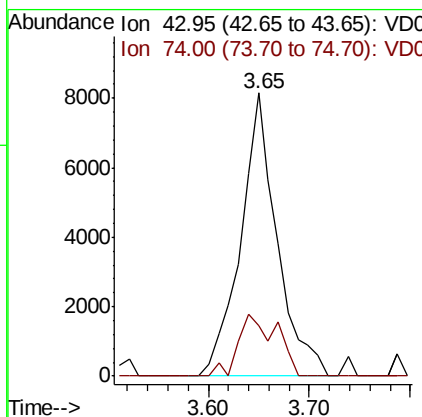
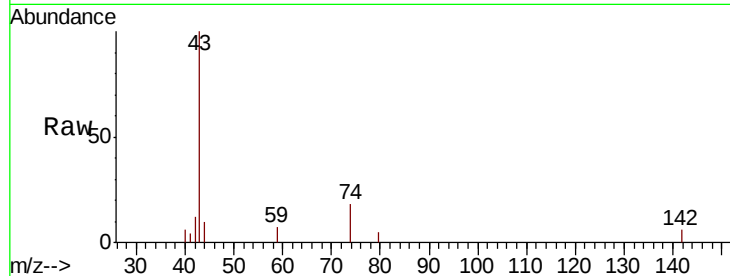




#18
Methvl Acetate
Concen: 49.277 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

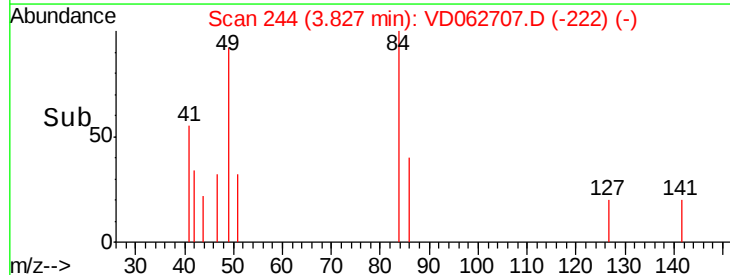
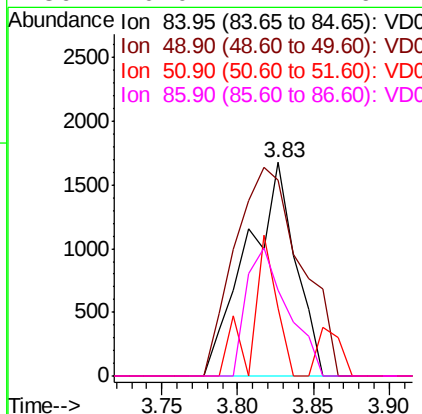
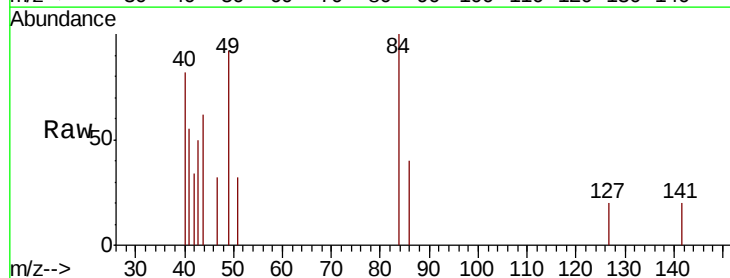
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

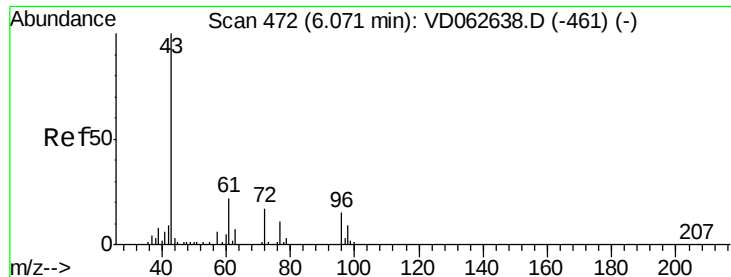
Tot Ion: 43 Resp: 20439
Ion Ratio Lower Upper
43 100
74 17.7 12.1 18.1



#20
Methylene Chloride
Concen: 3.513 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 84 Resp: 3742
Ion Ratio Lower Upper
84 100
49 91.6 111.2 166.8#
51 32.0 31.9 47.9
86 40.0 44.7 67.1#





#25

2-Butanone

Concen: 96.188 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

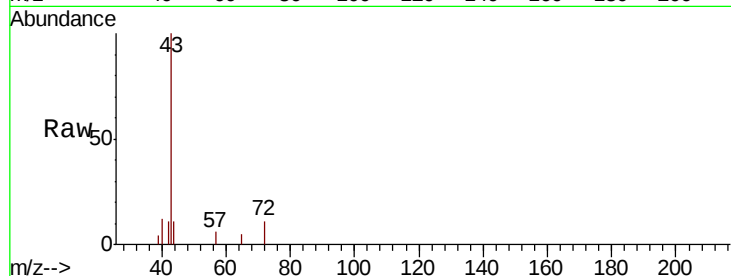
OILY-SOIL

Tot Ion: 43 Resp: 23684

Ion Ratio Lower Upper

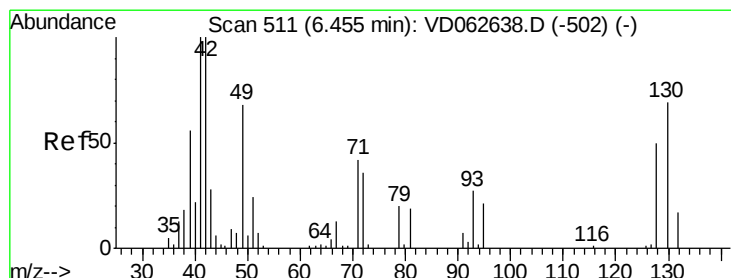
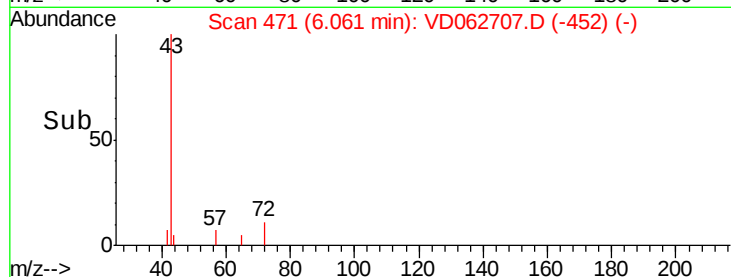
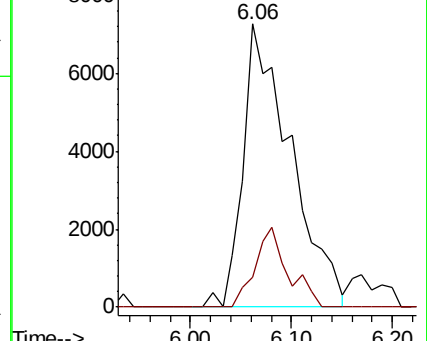
43 100

72 10.8 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.984 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.03 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

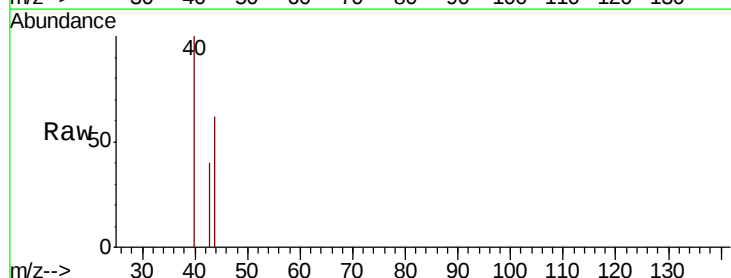
Tgt Ion: 42 Resp: 220

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

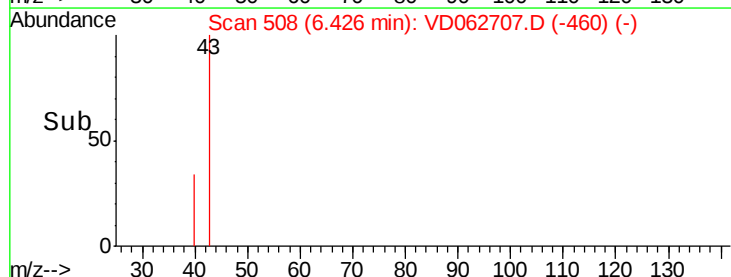
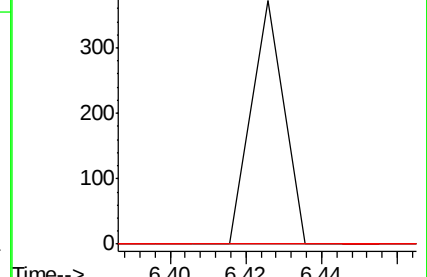
71 0.0 34.2 51.4#

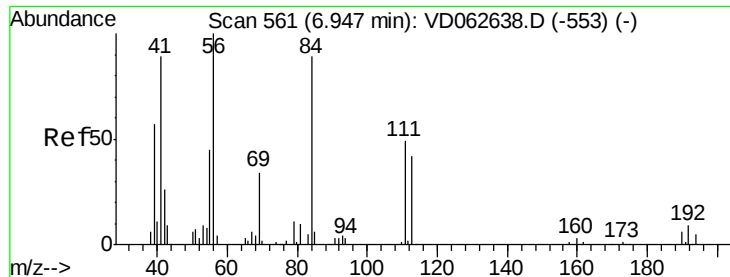


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

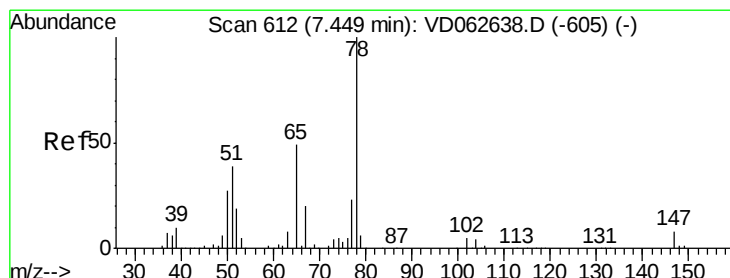
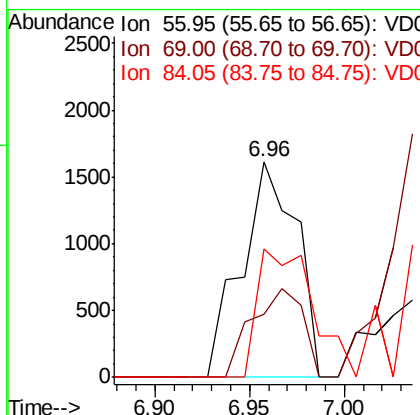
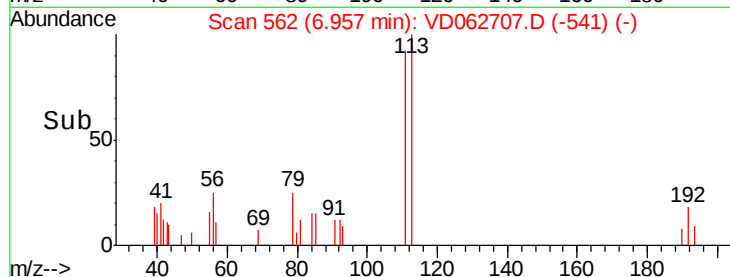
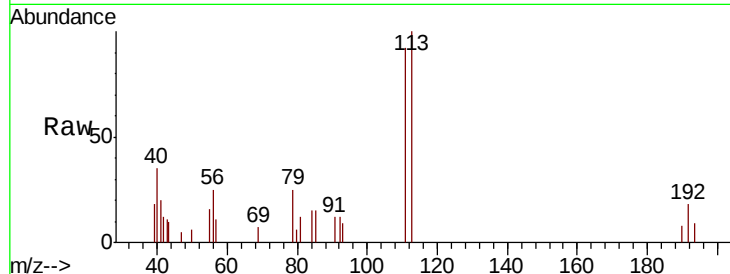




#31
Cyclohexane
Concen: 2.990 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

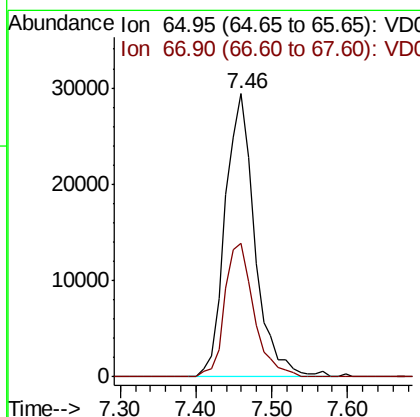
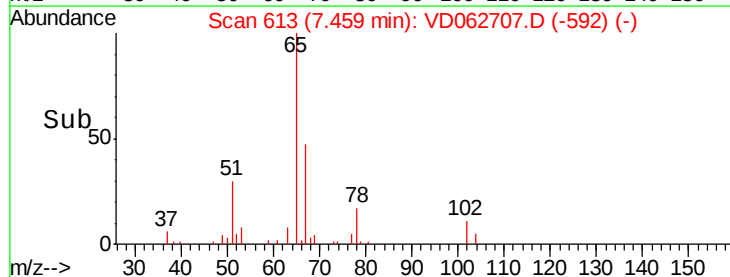
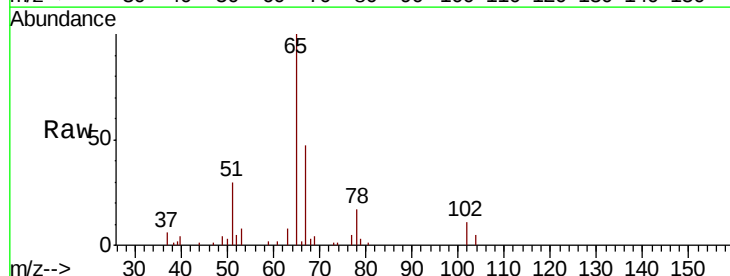
Instrument :
MSVOA_D
ClientSampled :
OILY-SOIL

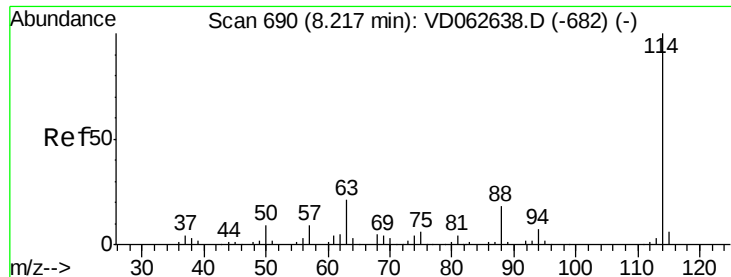
Tot Ion: 56 Resp: 3252
Ion Ratio Lower Upper
56 100
69 29.1 26.8 40.2
84 59.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 57.730 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 65 Resp: 79570
Ion Ratio Lower Upper
65 100
67 47.0 0.0 81.8

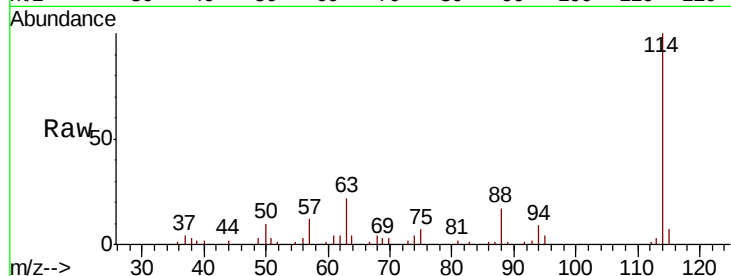




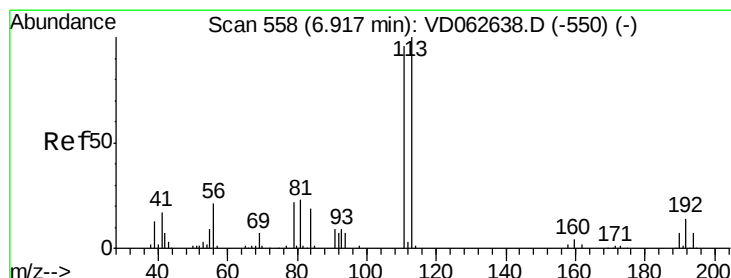
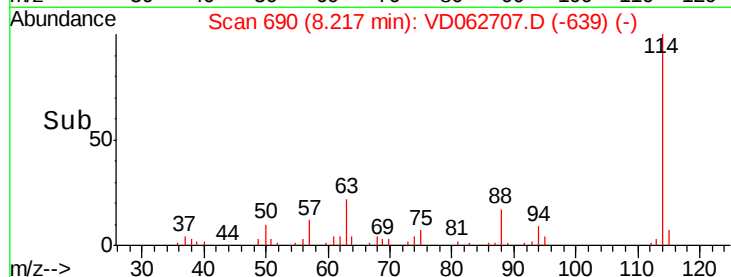
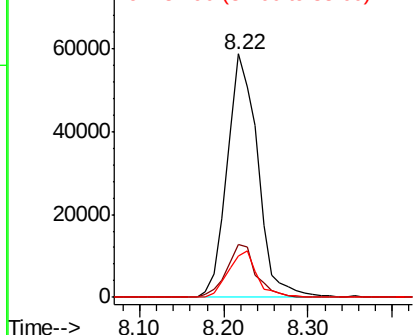
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-SOIL

Tot Ion:114 Resp: 148684
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 16.8 0.0 36.8

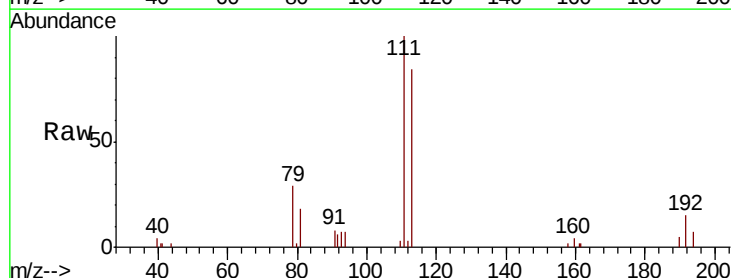


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

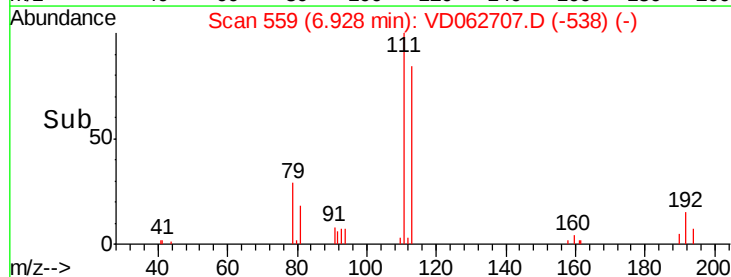
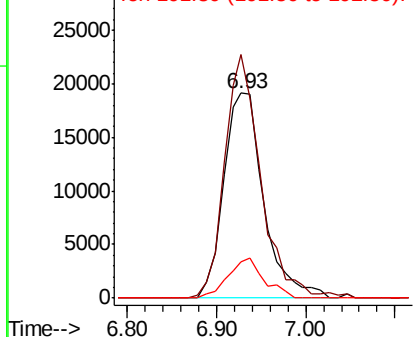


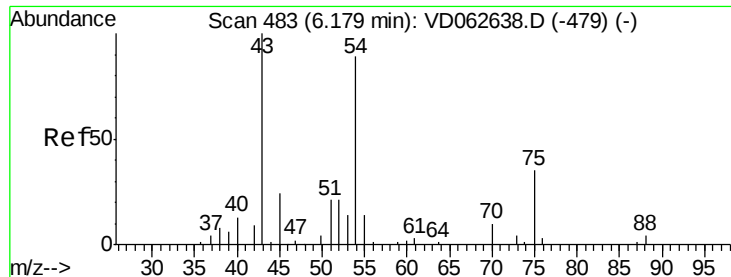
#35
 Dibromofluoromethane
 Concen: 38.243 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion:113 Resp: 59968
 Ion Ratio Lower Upper
 113 100
 111 119.0 76.4 114.6#
 192 17.9 11.4 17.0#



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#37

Ethyl Acetate

Concen: 33.058 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.12 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

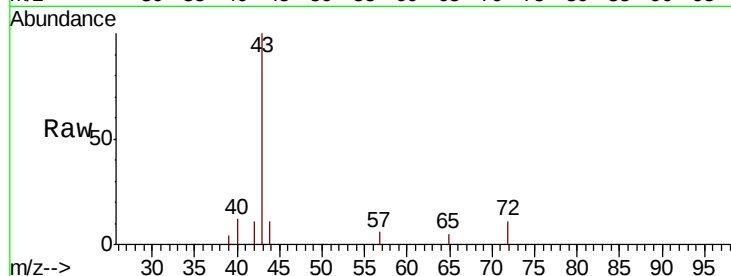
Tot Ion: 43 Resp: 23683

Ion Ratio Lower Upper

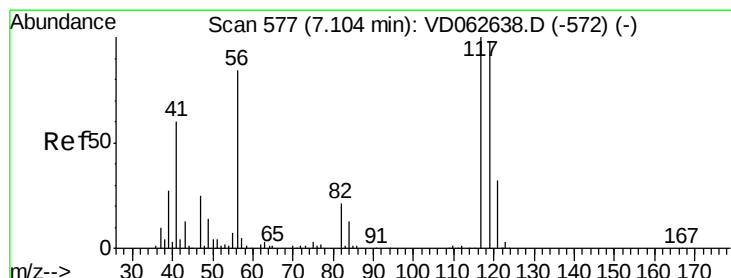
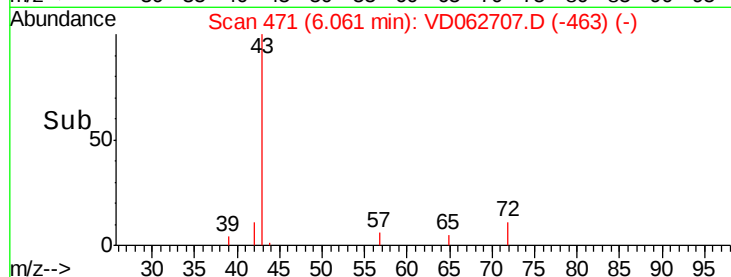
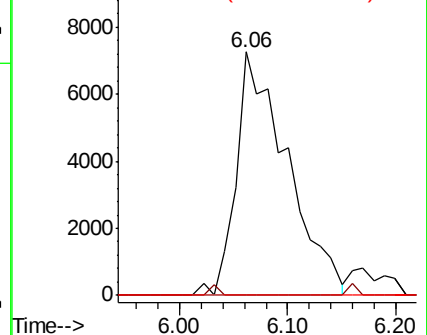
43 100

61 0.0 8.7 13.1#

70 0.0 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 3.744 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

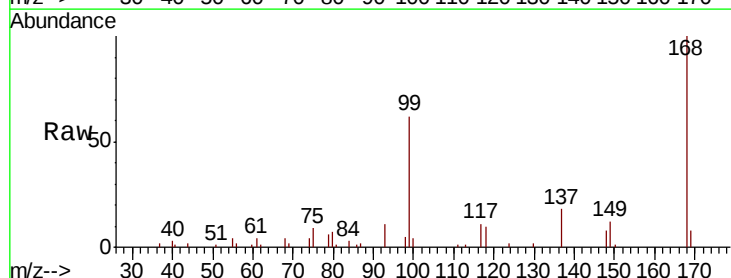
Tgt Ion: 117 Resp: 10069

Ion Ratio Lower Upper

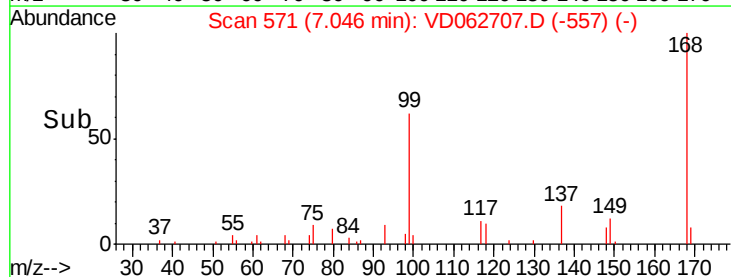
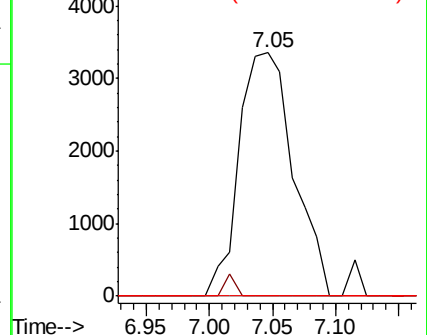
117 100

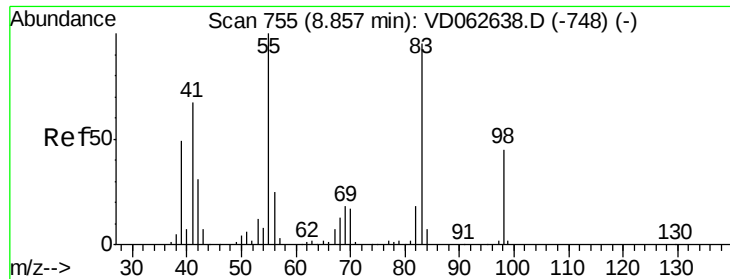
119 0.0 73.5 110.3#

121 0.0 24.2 36.4#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

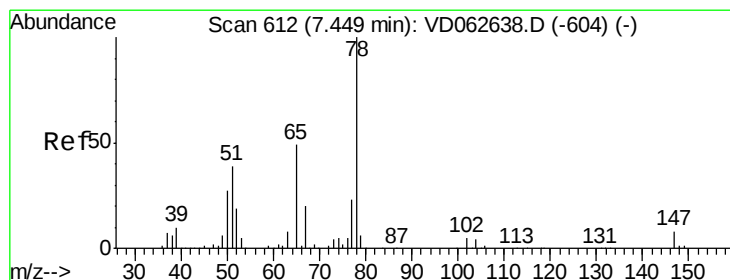
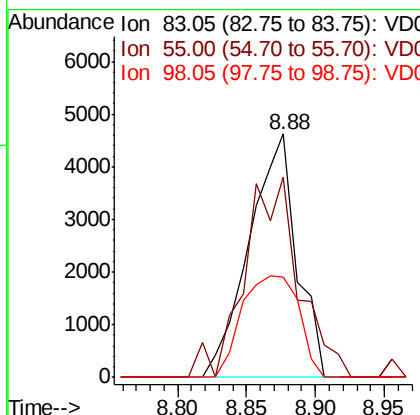
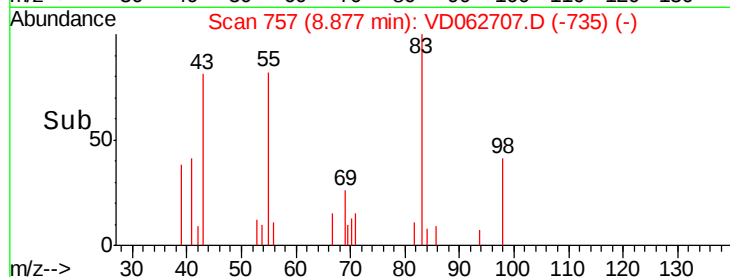
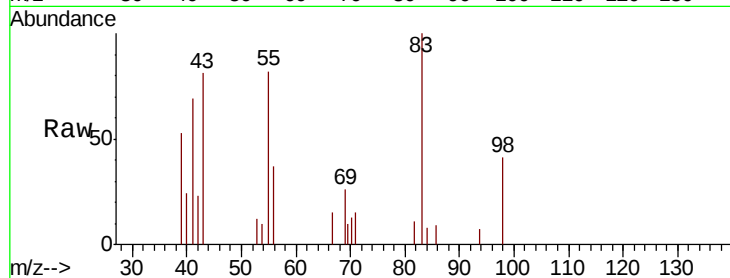




#39
Methvlcvclohexane
Concen: 8.060 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

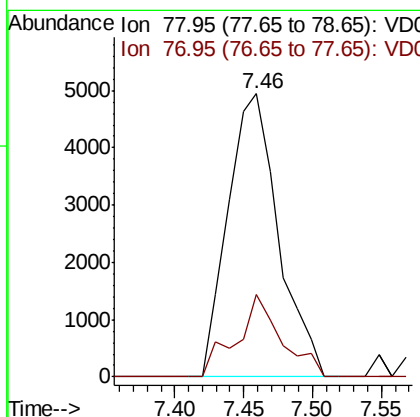
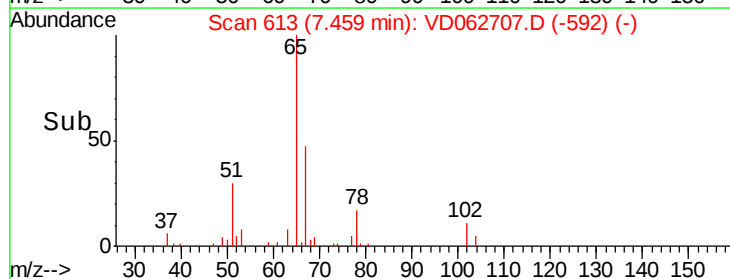
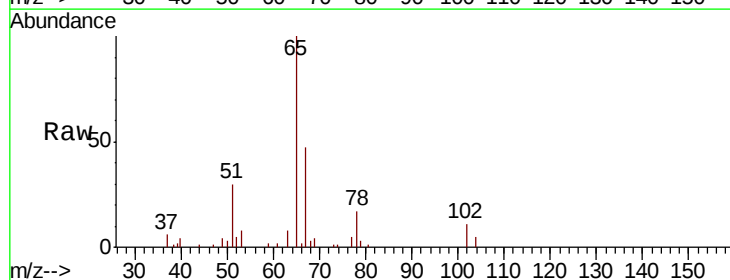
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

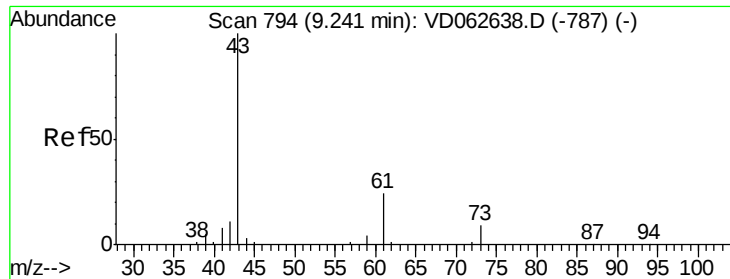
Tot Ion: 83 Resp: 11083
Ion Ratio Lower Upper
83 100
55 82.1 84.6 127.0#
98 41.0 38.2 57.4



#40
Benzene
Concen: 3.782 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 78 Resp: 12568
Ion Ratio Lower Upper
78 100
77 29.2 18.6 28.0#





#43

Isopropyl Acetate

Concen: 1.042 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.05 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

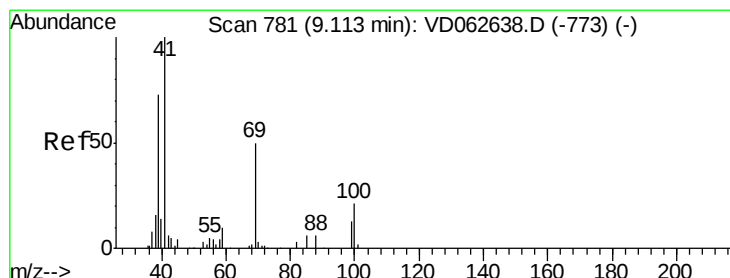
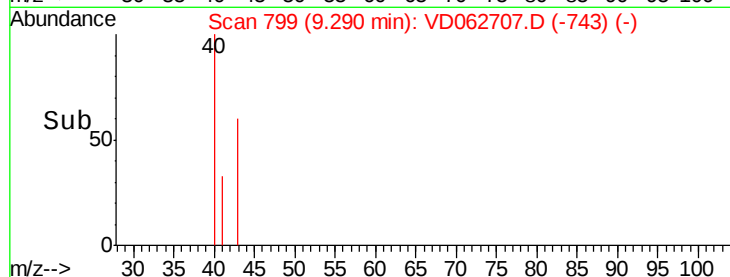
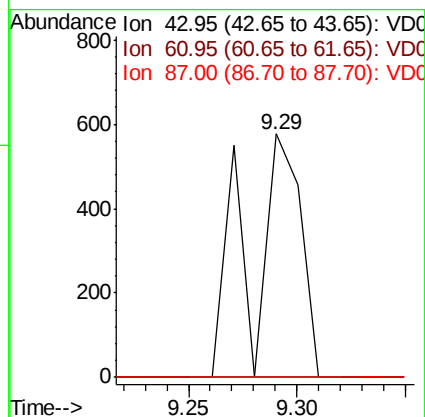
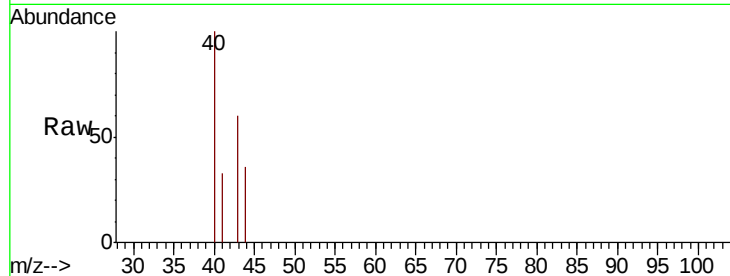
Tot Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.6#

87 0.0 0.3 0.5#



#48

Methyl methacrylate

Concen: 1.199 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

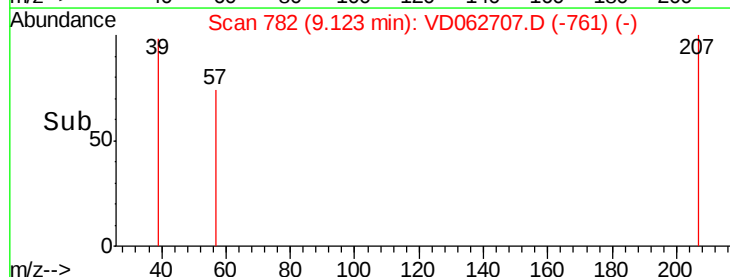
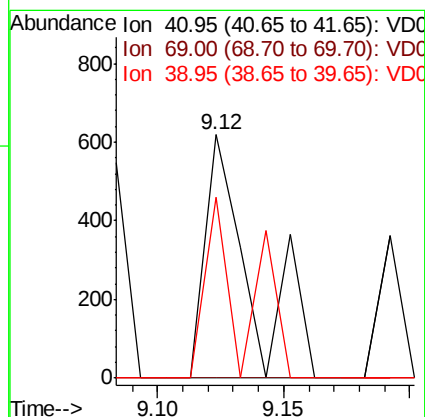
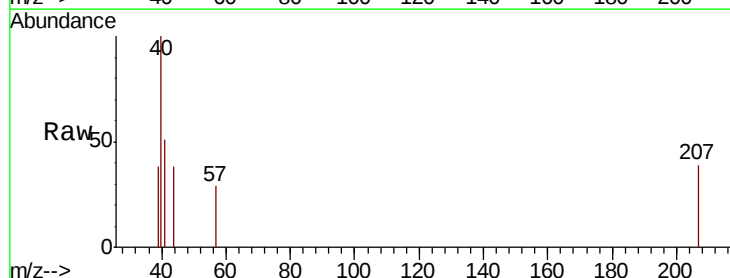
Tgt Ion: 41 Resp: 778

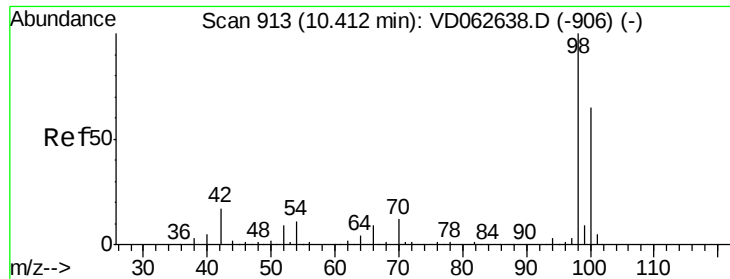
Ion Ratio Lower Upper

41 100

69 0.0 39.8 59.6#

39 74.3 59.1 88.7

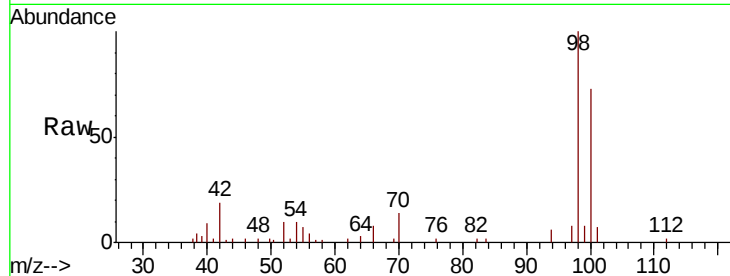




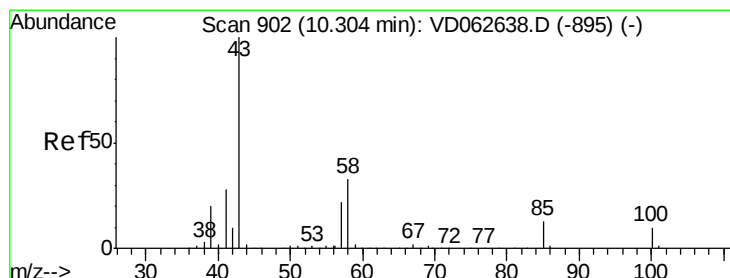
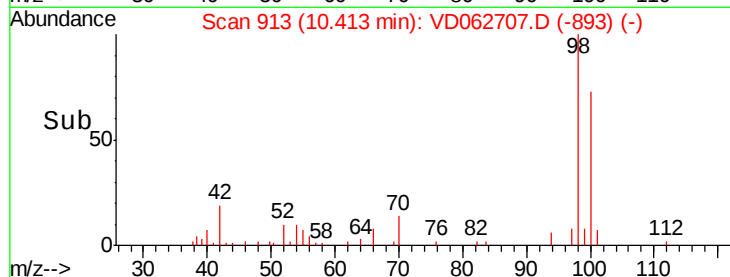
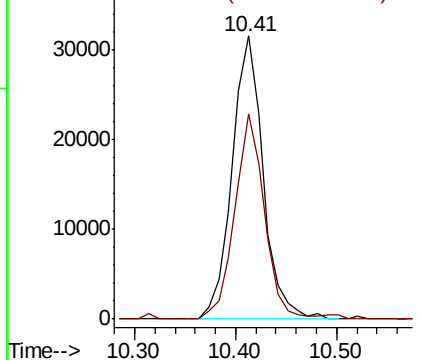
#50
Toluene-d8
Concen: 20.423 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion: 98 Resp: 67368
Ion Ratio Lower Upper
98 100
100 72.6 52.1 78.1

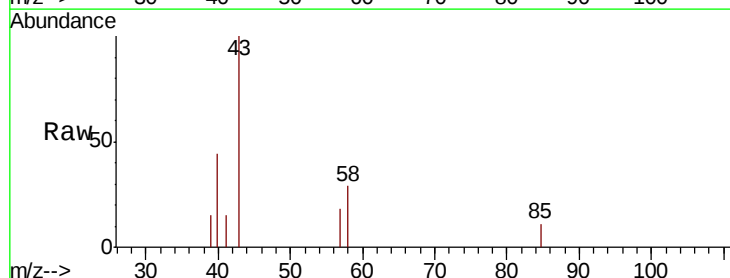


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

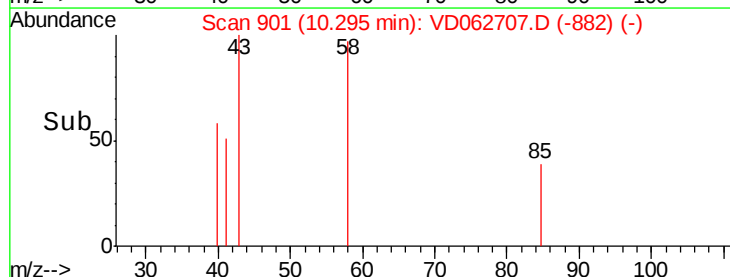
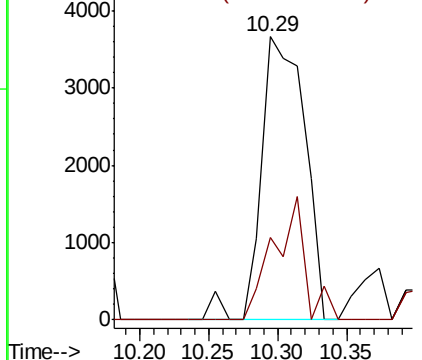


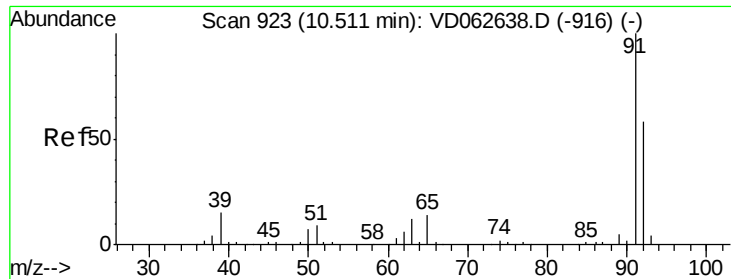
#51
4-Methyl-2-Pentanone
Concen: 12.754 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 43 Resp: 8013
Ion Ratio Lower Upper
43 100
58 28.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 10.995 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

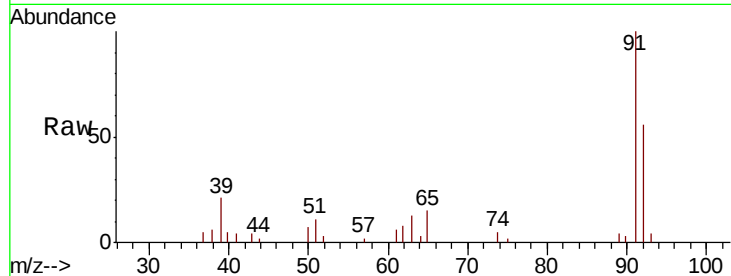
OILY-SOIL

Tot Ion: 92 Resp: 24561

Ion Ratio Lower Upper

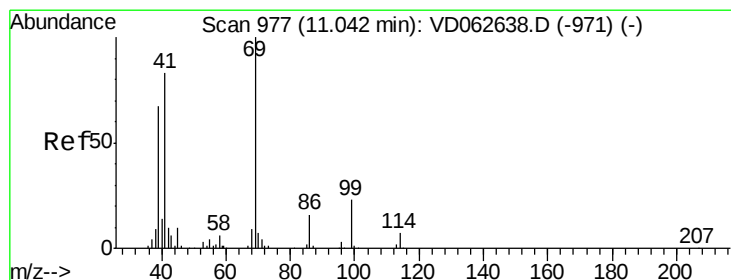
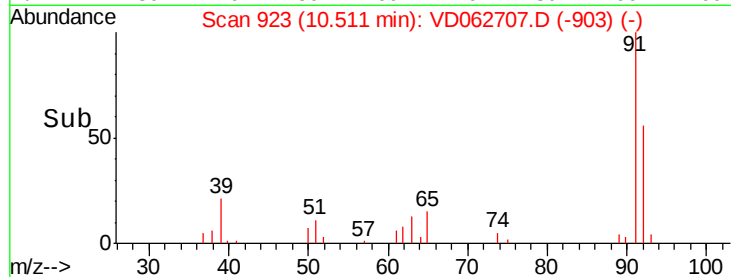
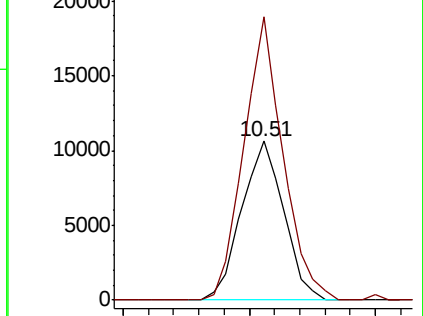
92 100

91 177.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#56

Ethyl methacrylate

Concen: 4.525 ug/l

RT: 11.11 min Scan# 984

Delta R.T. 0.07 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

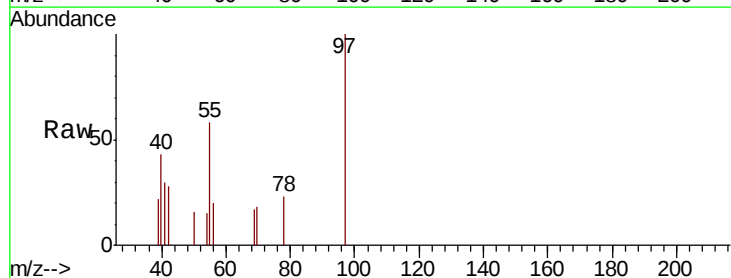
Tgt Ion: 69 Resp: 587

Ion Ratio Lower Upper

69 100

41 85.0 66.2 99.4

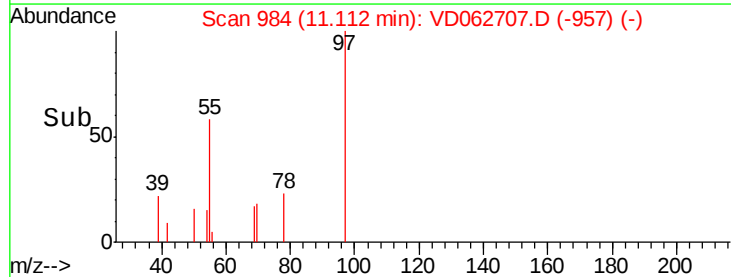
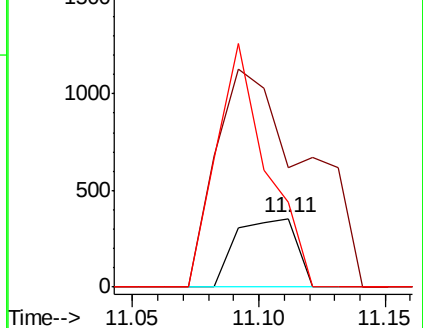
39 60.6 53.8 80.8

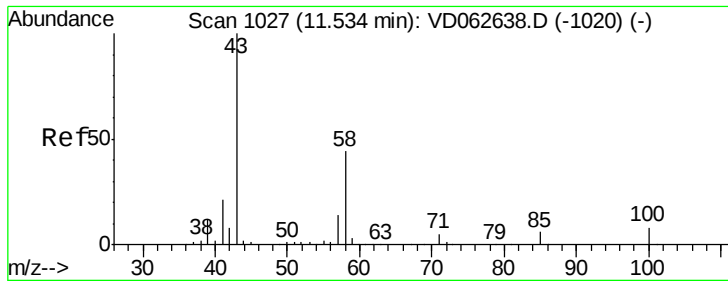


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

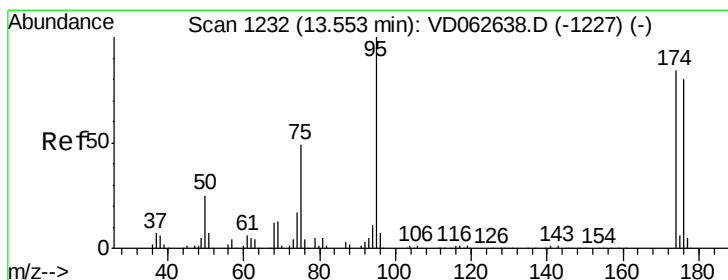
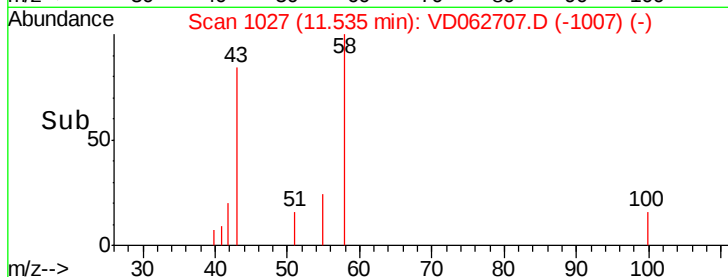
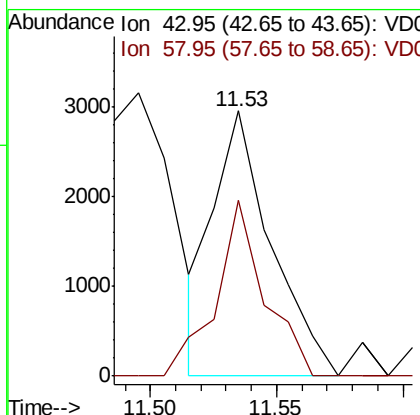
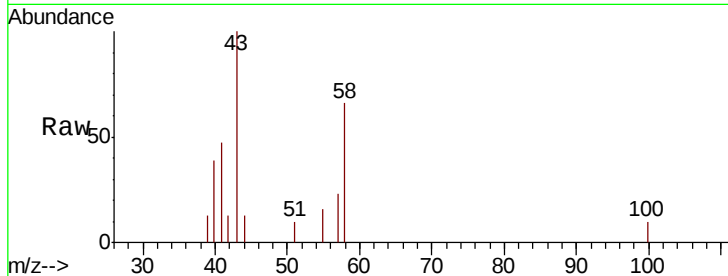




#59
2-Hexanone
Concen: 10.016 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

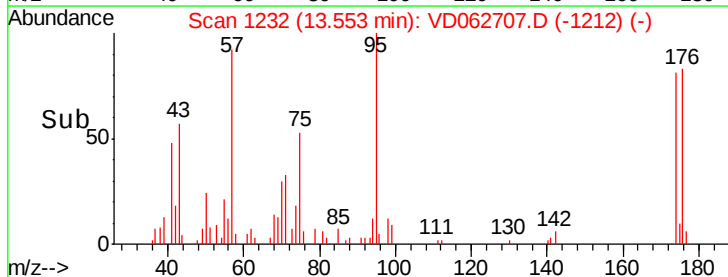
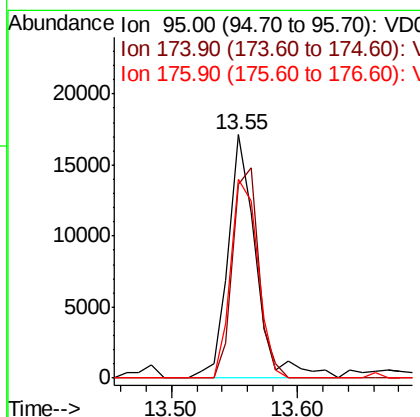
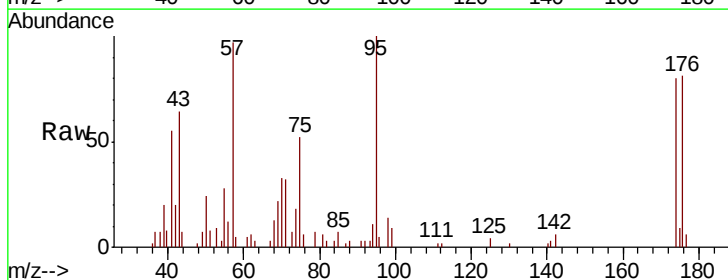
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

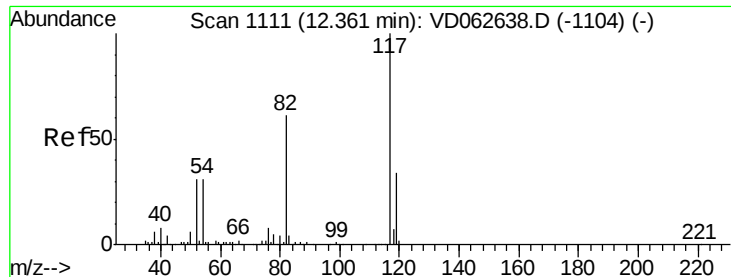
Tot Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
58 66.1 21.8 65.4#



#62
4-Bromofluorobenzene
Concen: 16.962 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 95 Resp: 26104
Ion Ratio Lower Upper
95 100
174 79.6 0.0 167.0
176 81.5 0.0 159.2

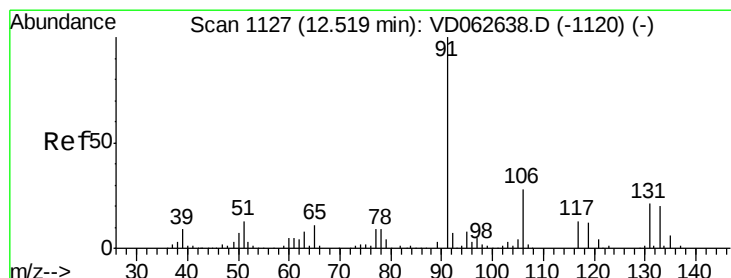
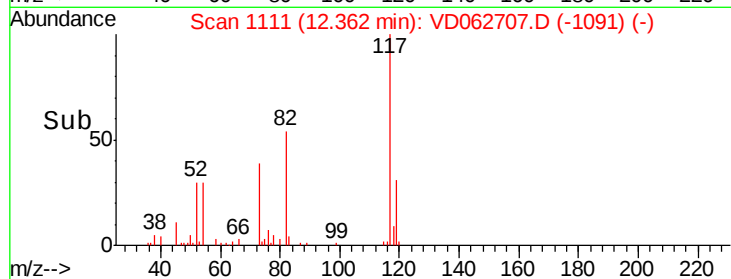
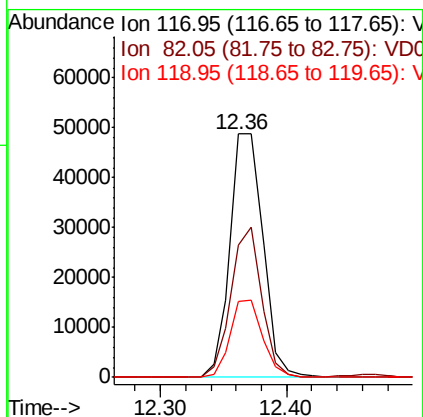
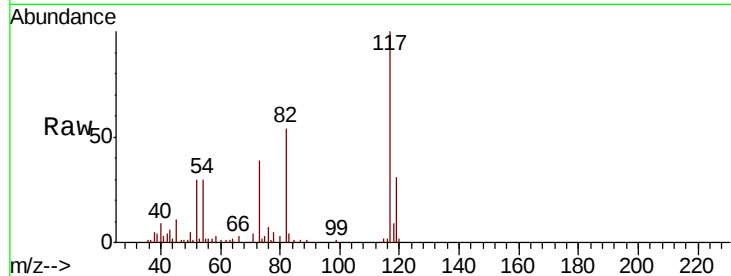




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

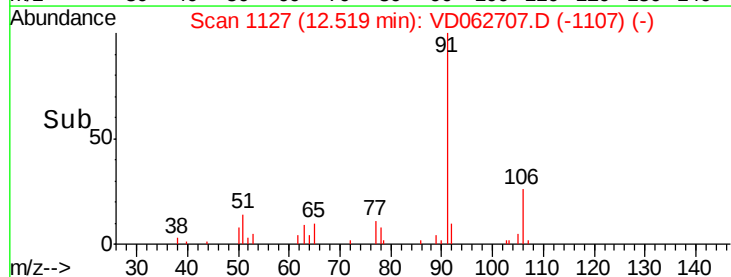
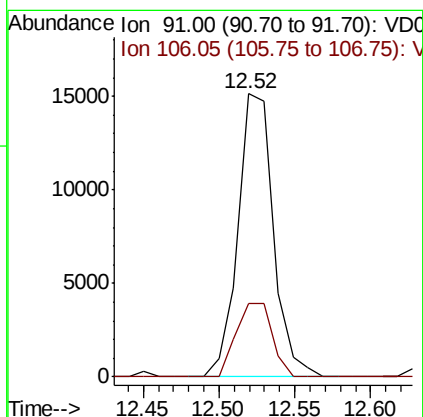
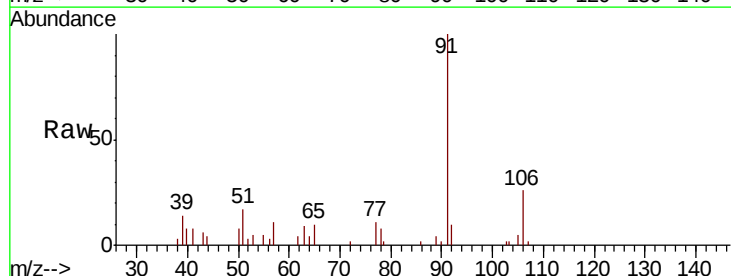
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

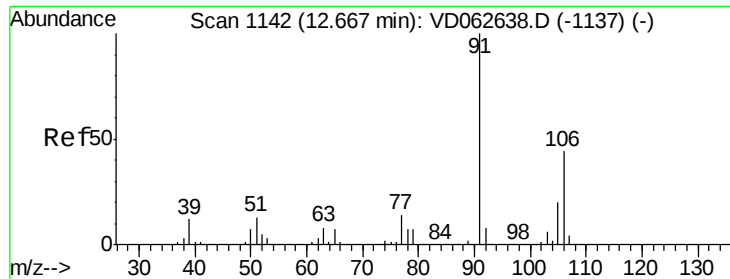
Tot Ion:117 Resp: 88164
Ion Ratio Lower Upper
117 100
82 54.4 48.7 73.1
119 31.1 27.0 40.6



#67
Ethyl Benzene
Concen: 7.113 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 91 Resp: 24595
Ion Ratio Lower Upper
91 100
106 25.9 22.1 33.1

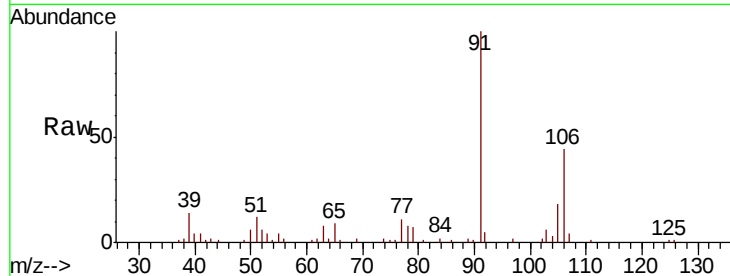




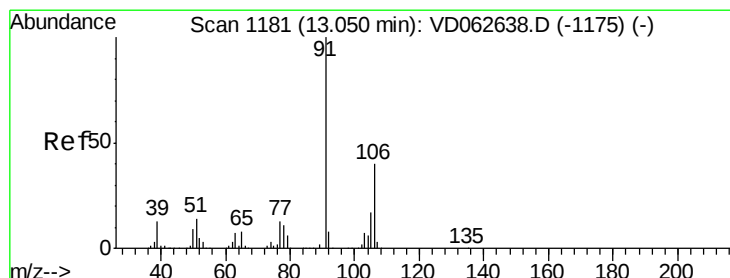
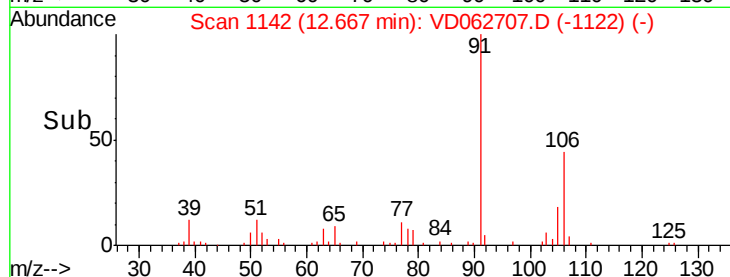
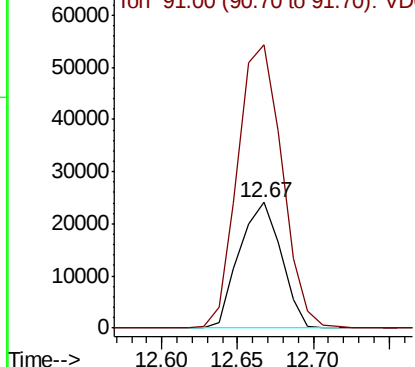
#68
m/p-Xylenes
Concen: 38.530 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion:106 Resp: 46835
Ion Ratio Lower Upper
106 100
91 224.9 180.2 270.4

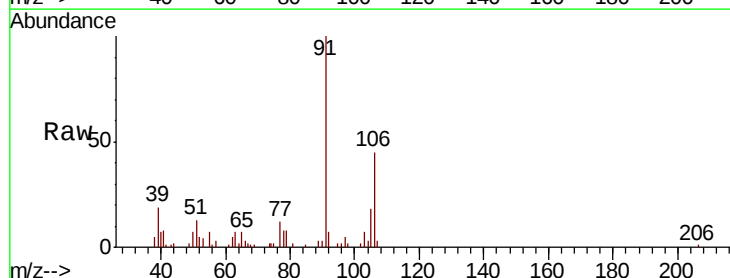


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

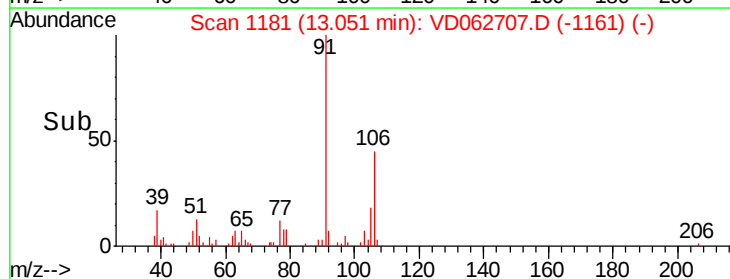
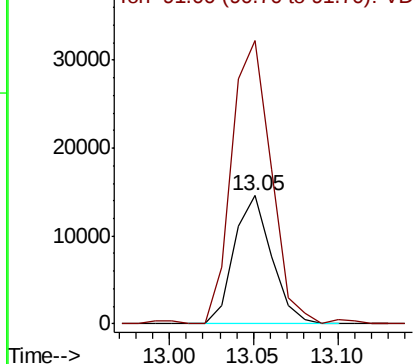


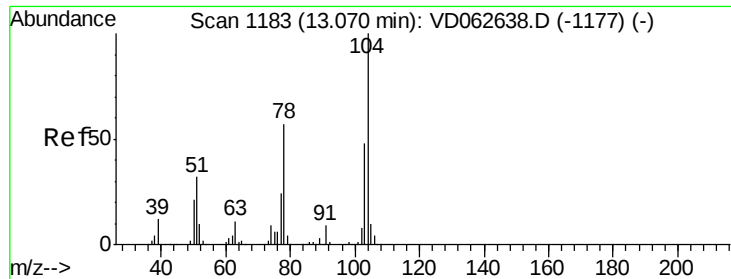
#69
o-Xylene
Concen: 20.073 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion:106 Resp: 22409
Ion Ratio Lower Upper
106 100
91 220.9 124.1 372.1



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

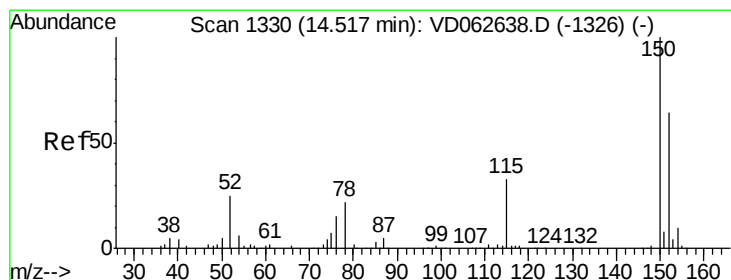
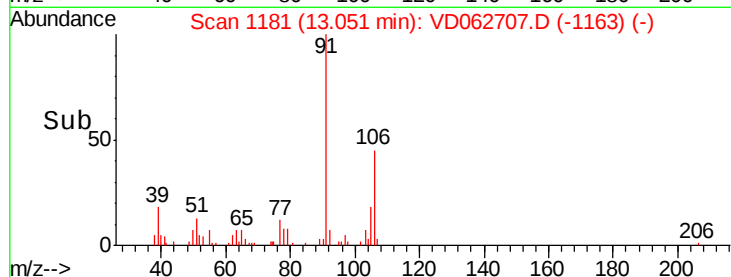
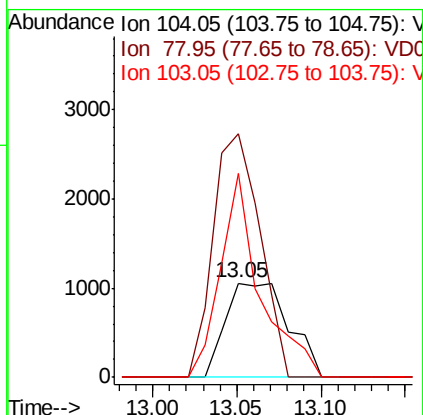
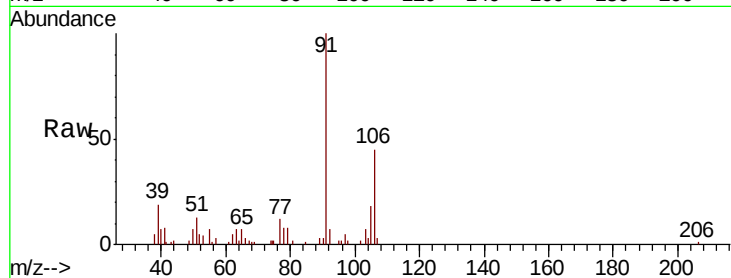




#70
Stvrene
Concen: 1.373 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

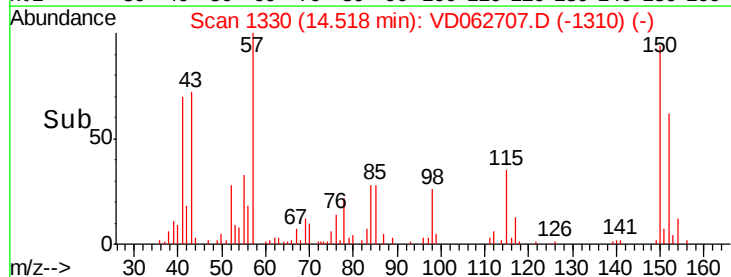
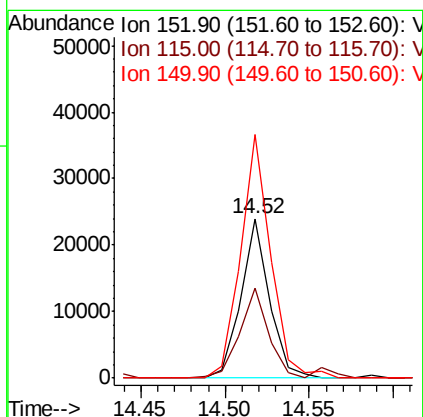
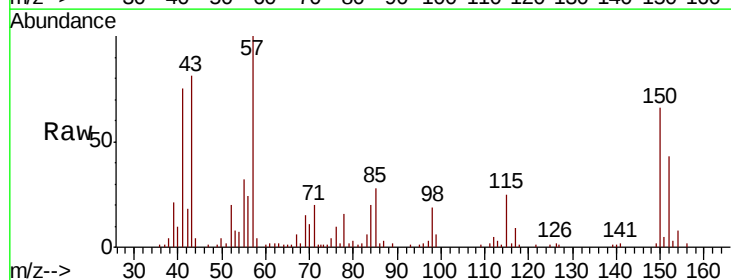
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

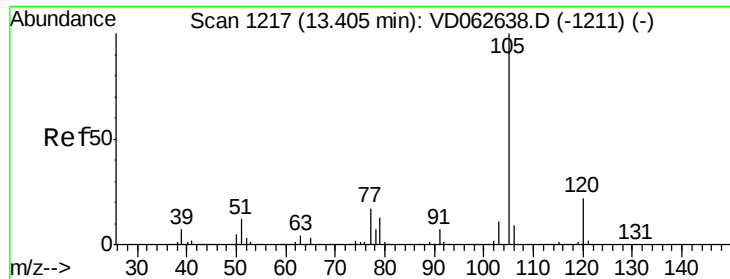
Tot Ion:104 Resp: 2735
Ion Ratio Lower Upper
104 100
78 258.8 45.9 68.9#
103 217.0 38.4 57.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion:152 Resp: 28033
Ion Ratio Lower Upper
152 100
115 56.4 30.1 90.5
150 152.6 0.0 314.0





#73

Isopropylbenzene

Concen: 1.425 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

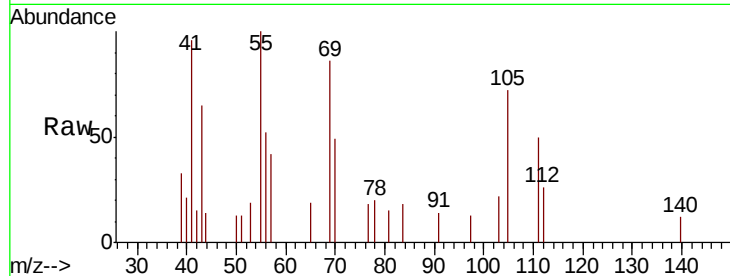
OILY-SOIL

Tot Ion:105 Resp: 2816

Ion Ratio Lower Upper

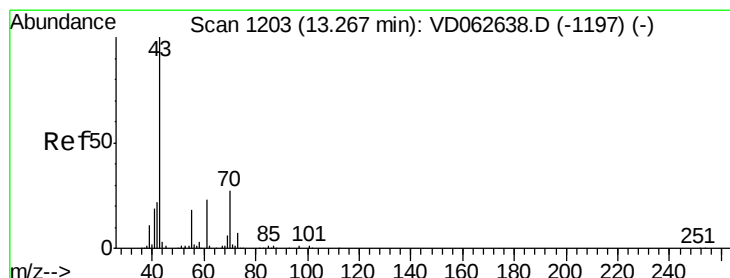
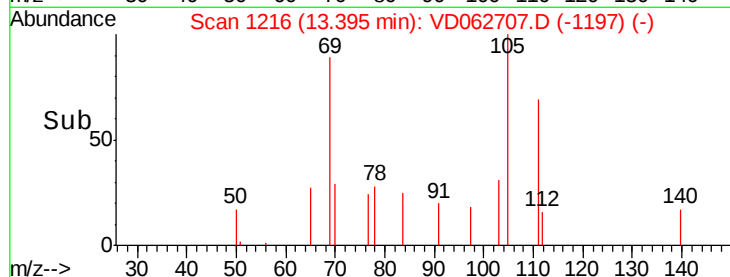
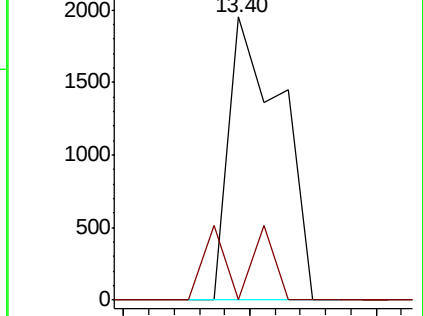
105 100

120 0.0 10.9 32.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 27.798 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.05 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Tgt Ion: 43 Resp: 14844

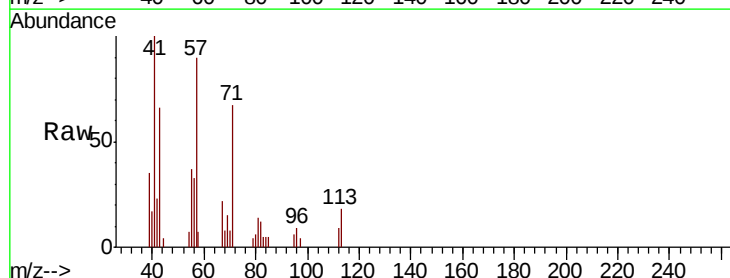
Ion Ratio Lower Upper

43 100

70 11.8 21.8 32.8#

55 56.2 14.6 21.8#

61 0.0 18.4 27.6#

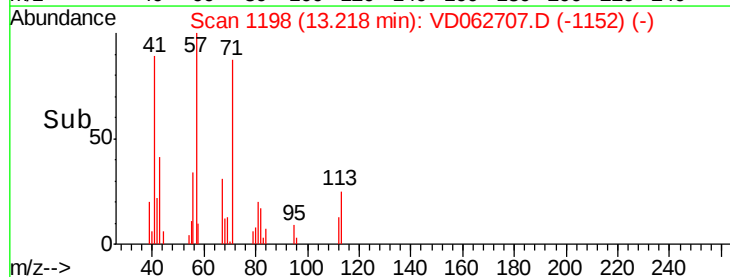
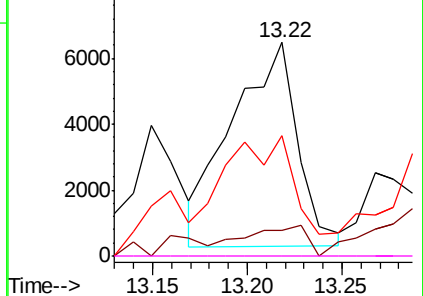


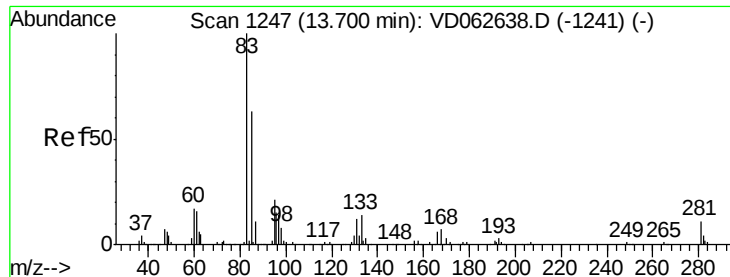
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 8.578 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

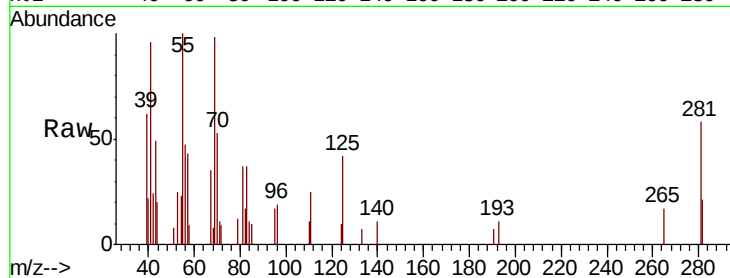
Tot Ion: 83 Resp: 2900

Ion Ratio Lower Upper

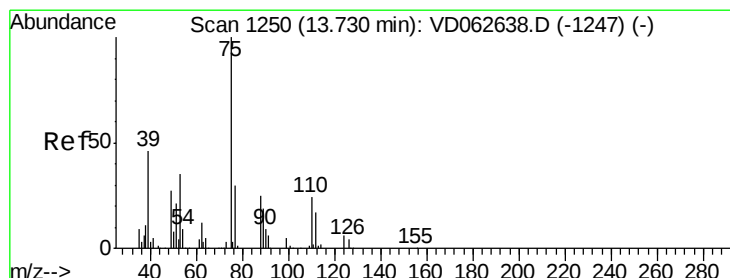
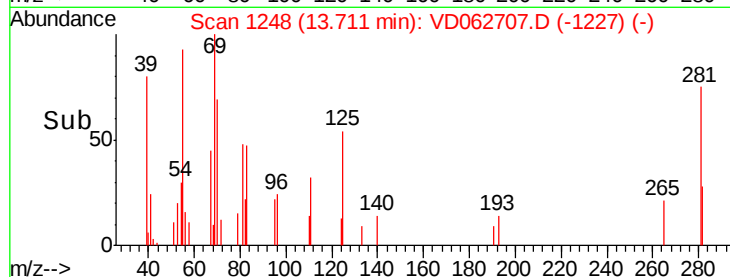
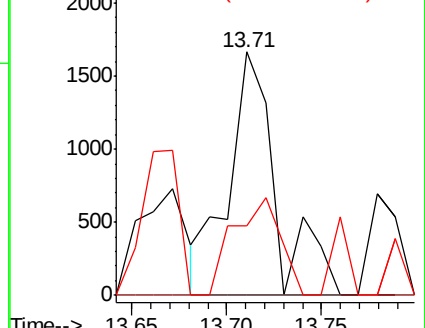
83 100

131 0.0 5.9 17.7#

85 28.6 31.3 93.9#



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 1.473 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062707.D

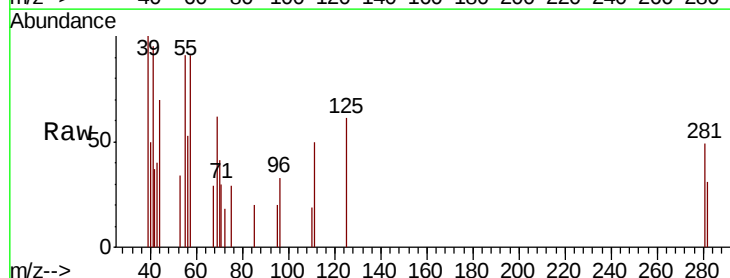
Acq: 14 Jun 2019 13:29

Tgt Ion: 75 Resp: 560

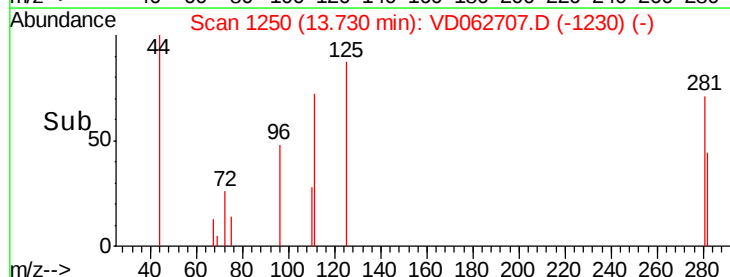
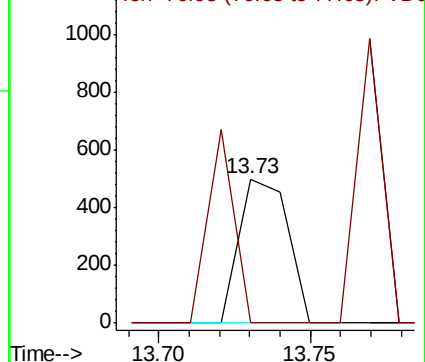
Ion Ratio Lower Upper

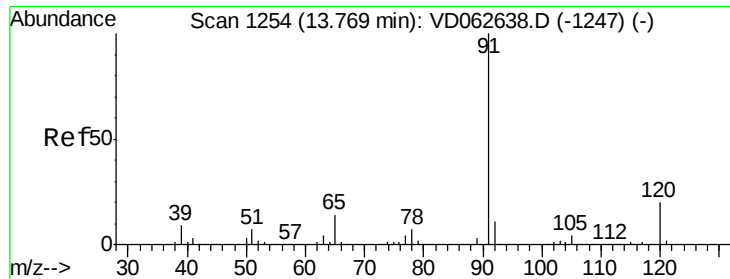
75 100

77 0.0 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

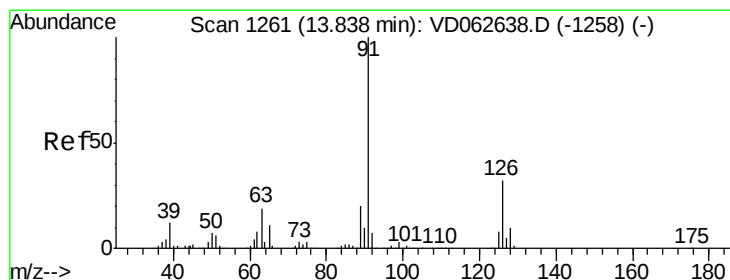
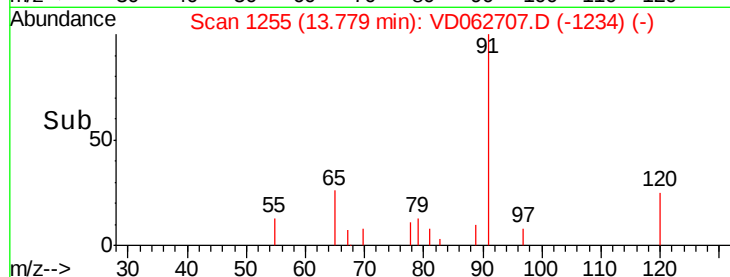
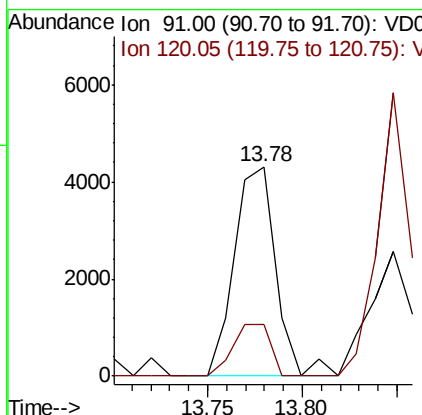
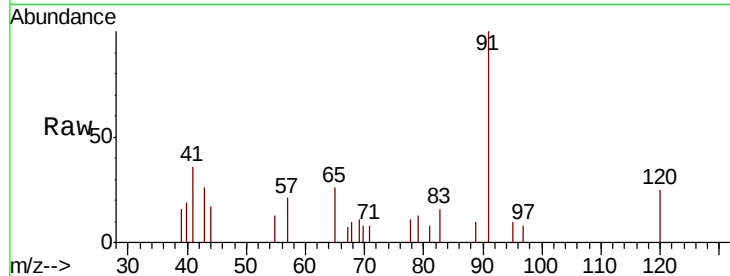




#78
n-propylbenzene
Concen: 2.709 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

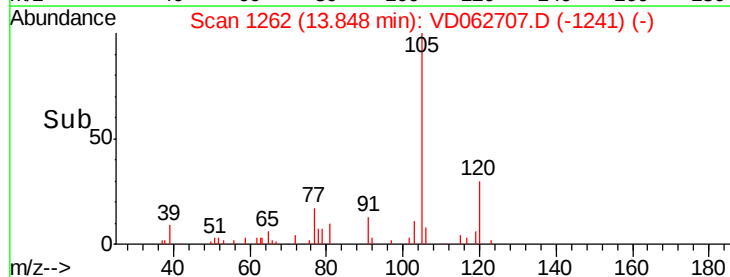
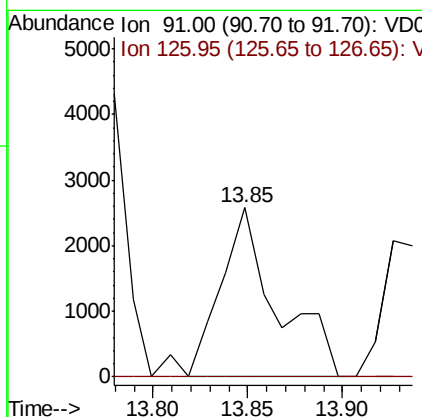
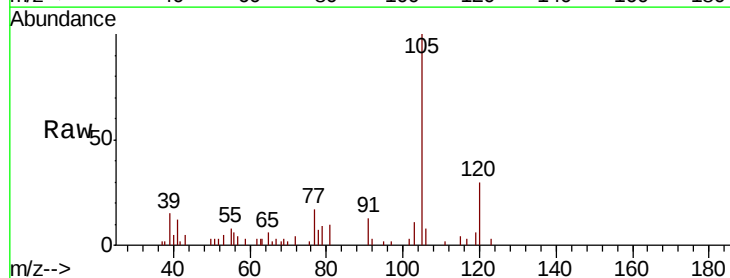
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

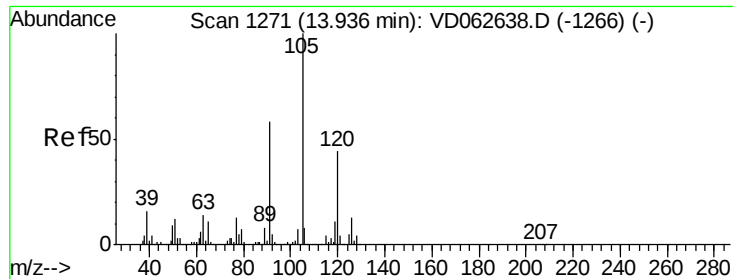
Tot Ion: 91 Resp: 6553
Ion Ratio Lower Upper
91 100
120 24.8 9.8 29.5



#79
2-Chlorotoluene
Concen: 3.734 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 91 Resp: 5288
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

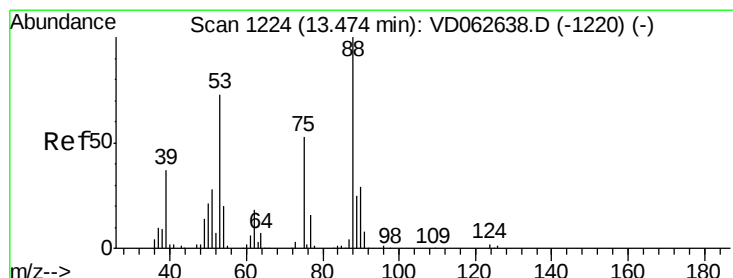
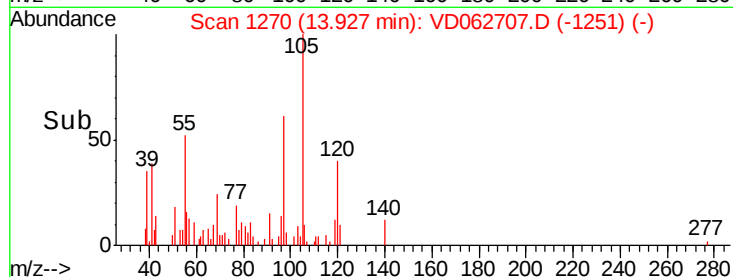
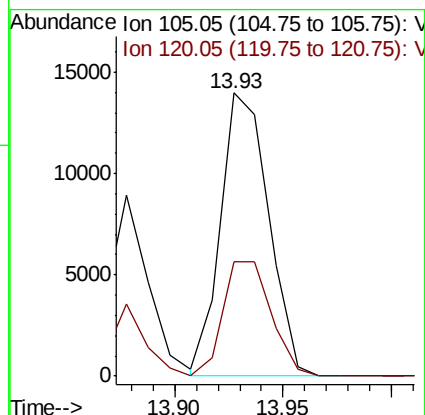
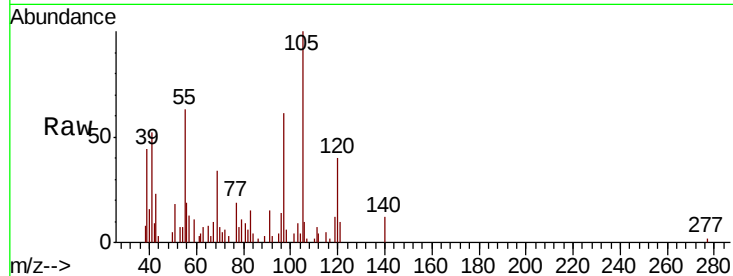




#80
 1,3,5-Trimethylbenzene
 Concen: 12.338 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

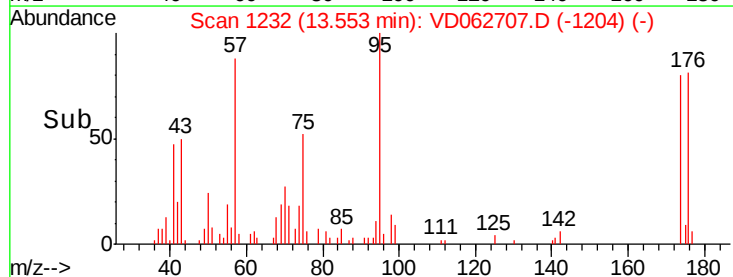
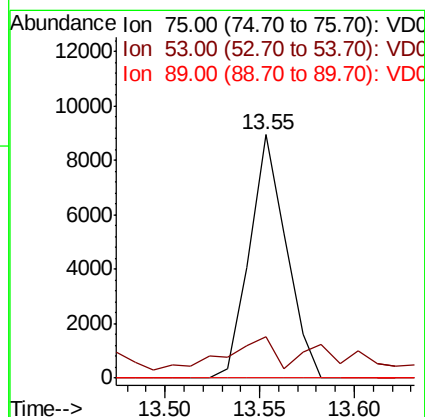
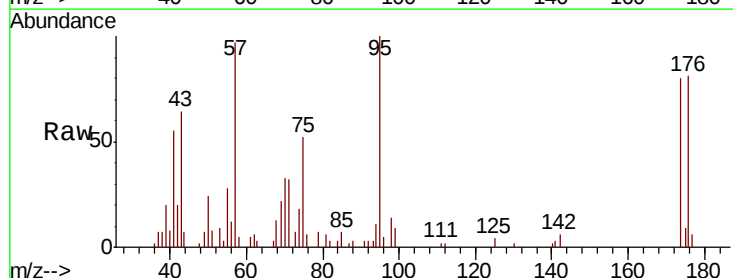
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-SOIL

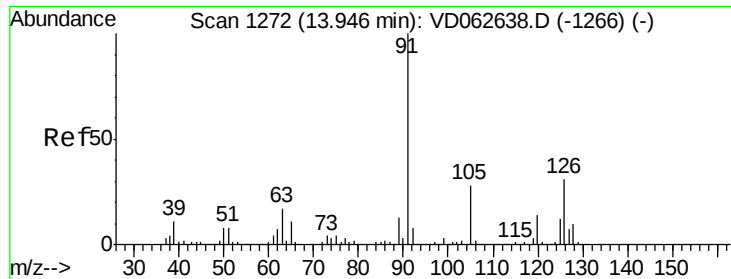
Tot Ion:105 Resp: 21546
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.1 66.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.757 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion: 75 Resp: 11963
 Ion Ratio Lower Upper
 75 100
 53 17.2 109.4 164.2#
 89 0.0 37.0 55.6#

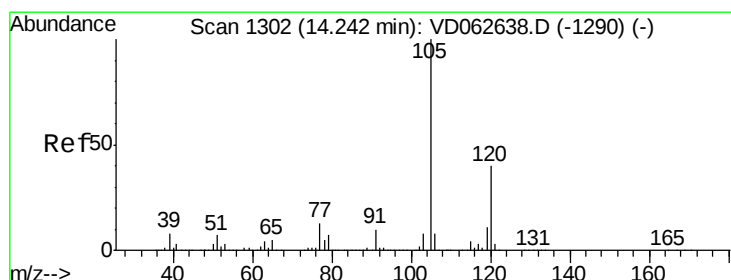
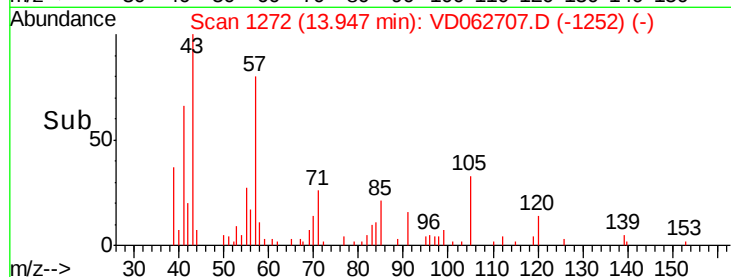
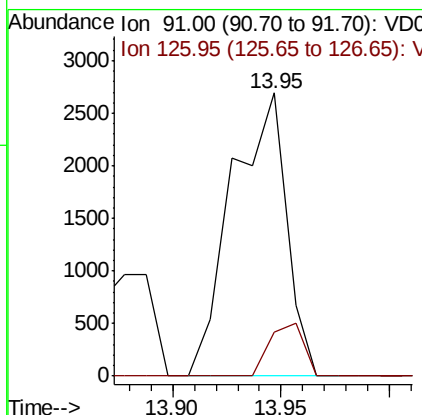
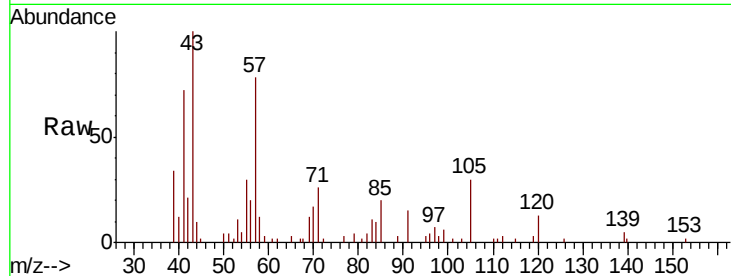




#82
4-Chlorotoluene
Concen: 2.783 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

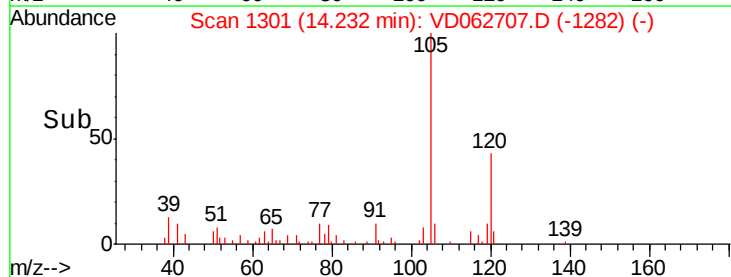
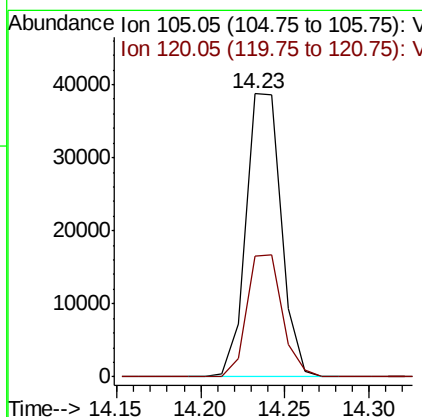
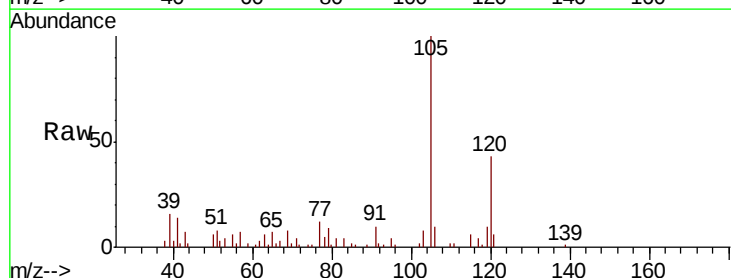
Instrument :
MSVOA_D
ClientSampled :
OILY-SOIL

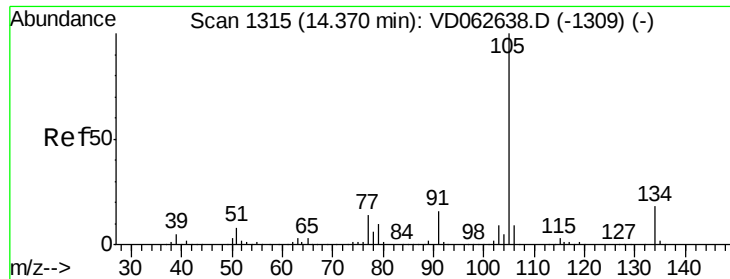
Tot Ion: 91 Resp: 4713
Ion Ratio Lower Upper
91 100
126 15.6 15.6 46.8



#84
1,2,4-Trimethylbenzene
Concen: 32.472 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 105 Resp: 56144
Ion Ratio Lower Upper
105 100
120 42.8 20.3 60.8

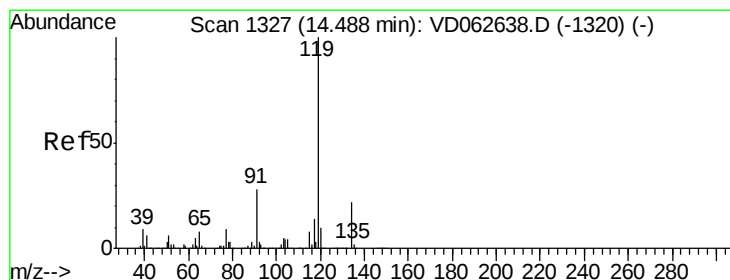
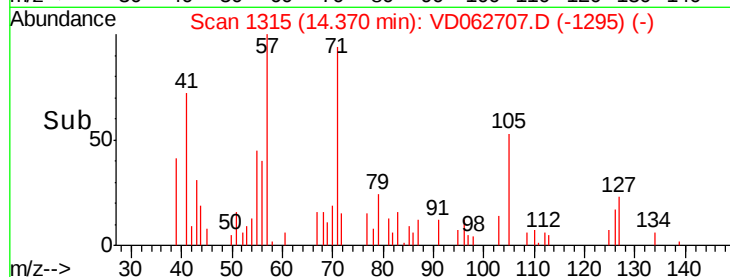
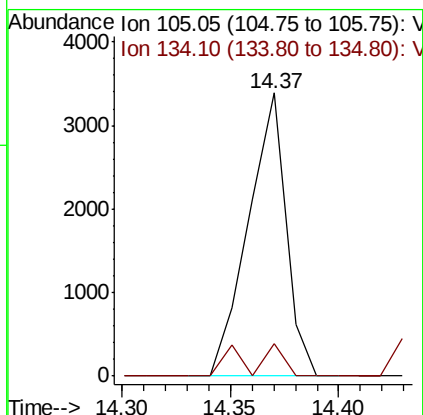
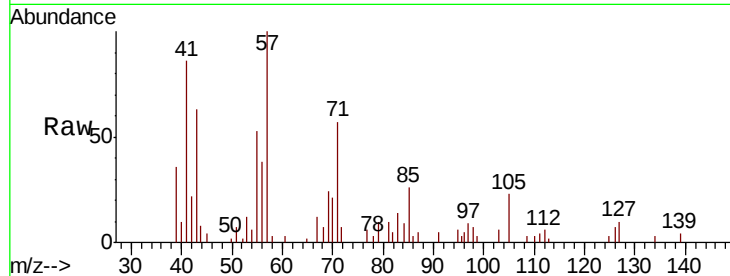




#85
 sec-Butylbenzene
 Concen: 2.033 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

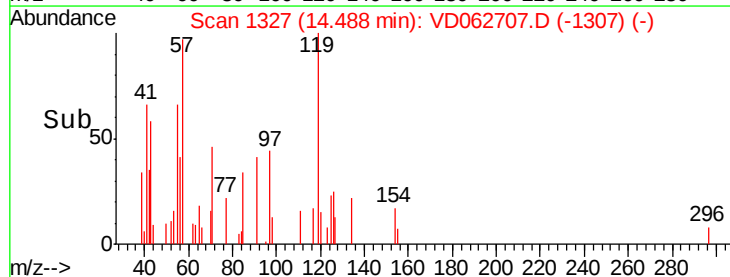
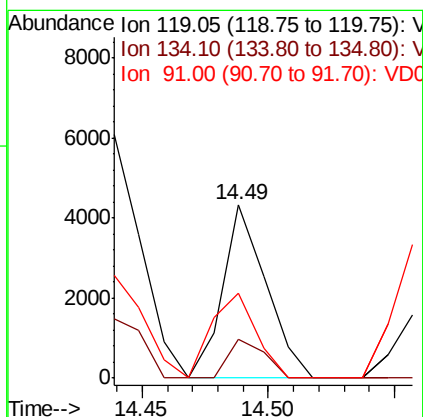
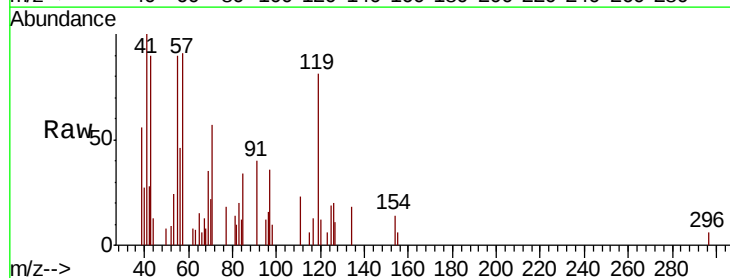
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-SOIL

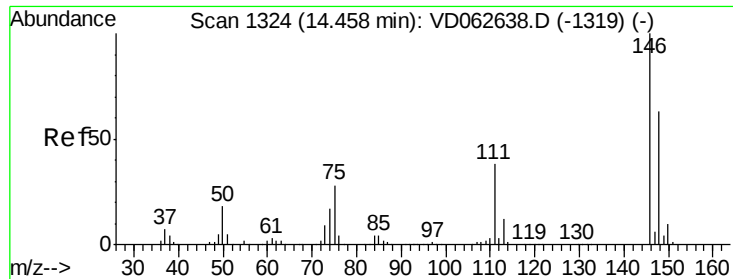
Tot Ion:105 Resp: 4107
 Ion Ratio Lower Upper
 105 100
 134 11.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 2.636 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion:119 Resp: 5184
 Ion Ratio Lower Upper
 119 100
 134 22.3 10.9 32.6
 91 49.2 13.9 41.6#





#87

1,3-Dichlorobenzene

Concen: 1.134 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

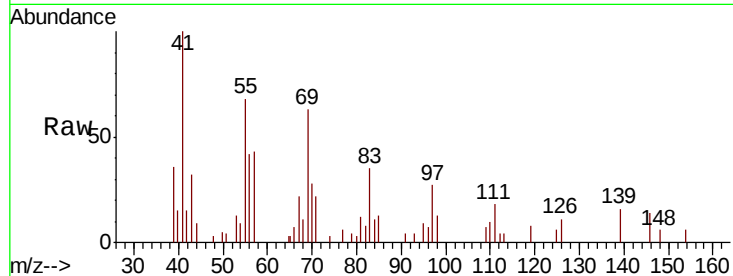
Tot Ion:146 Resp: 1160

Ion Ratio Lower Upper

146 100

111 129.3 19.2 57.6#

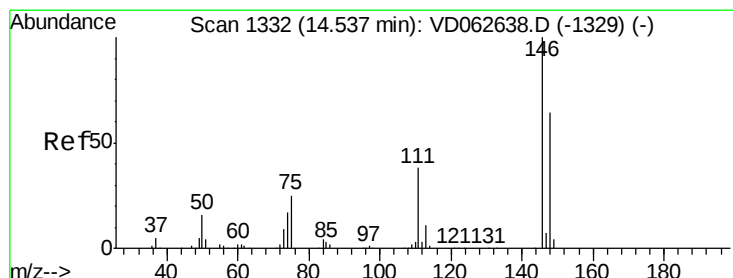
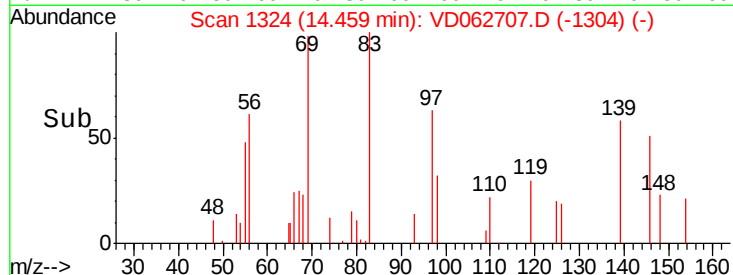
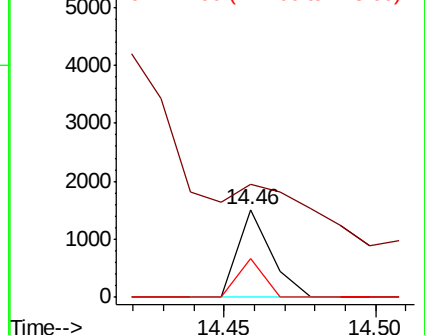
148 44.5 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.787 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

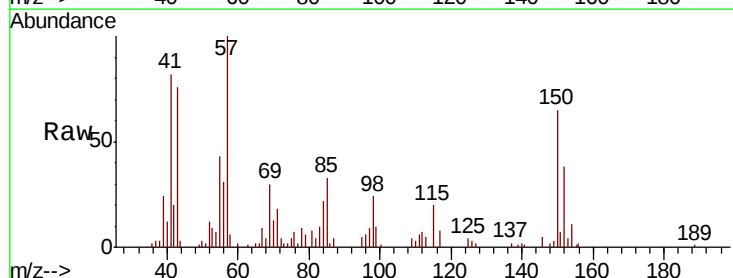
Tgt Ion:146 Resp: 1728

Ion Ratio Lower Upper

146 100

111 126.1 18.9 56.7#

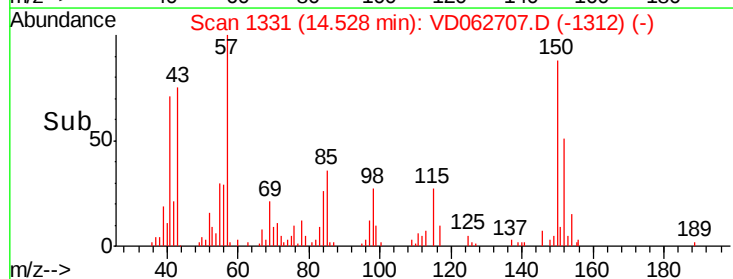
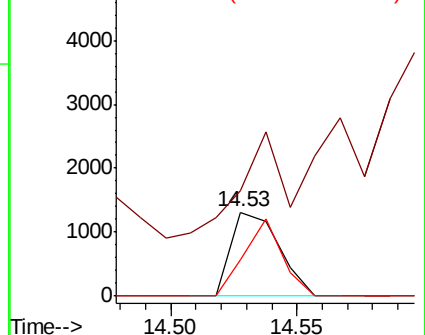
148 42.8 32.3 96.8

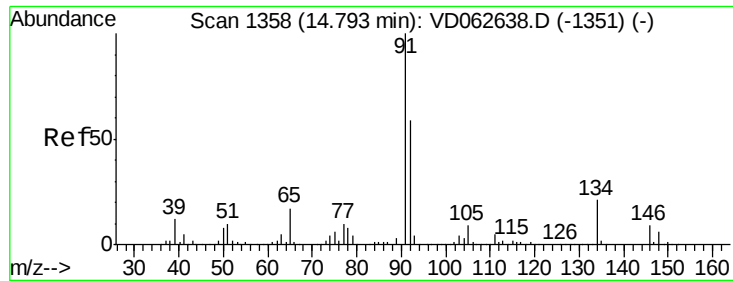


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

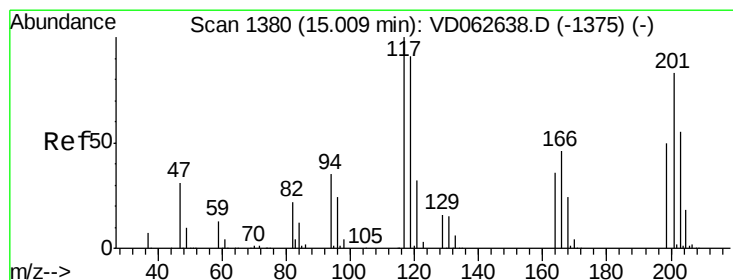
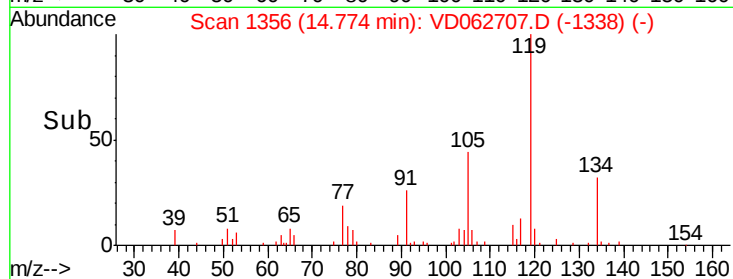
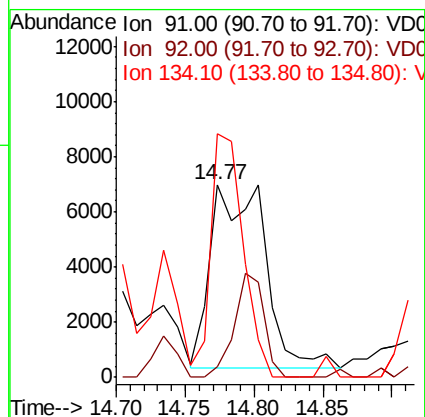
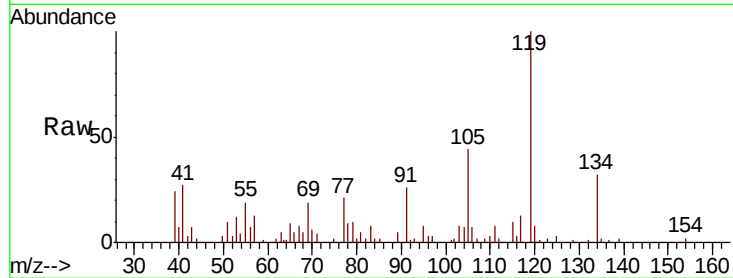




#89
n-Butylbenzene
Concen: 10.284 ug/l
RT: 14.77 min Scan# 1356
Delta R.T. -0.02 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

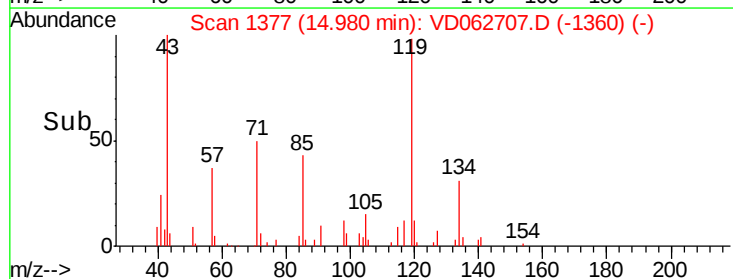
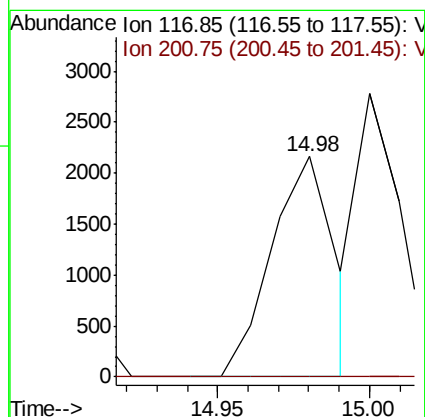
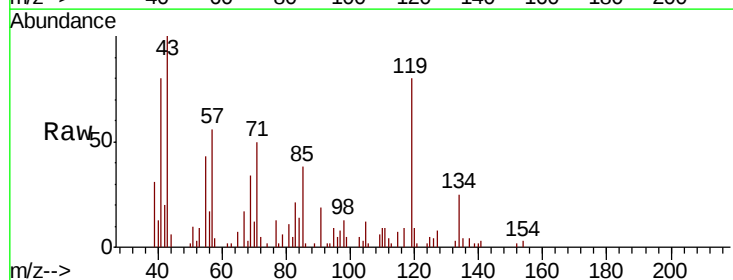
Instrument :
MSVOA_D
ClientSampled :
OILY-SOIL

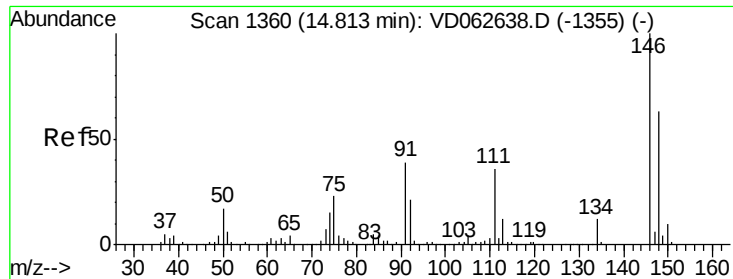
Tot Ion: 91 Resp: 18193
Ion Ratio Lower Upper
91 100
92 5.2 29.4 88.3#
134 126.2 10.4 31.2#



#90
Hexachloroethane
Concen: 6.004 ug/l
RT: 14.98 min Scan# 1377
Delta R.T. -0.03 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 117 Resp: 3117
Ion Ratio Lower Upper
117 100
201 0.0 41.5 124.6#

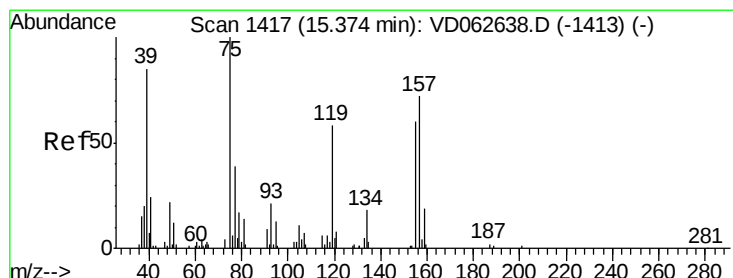
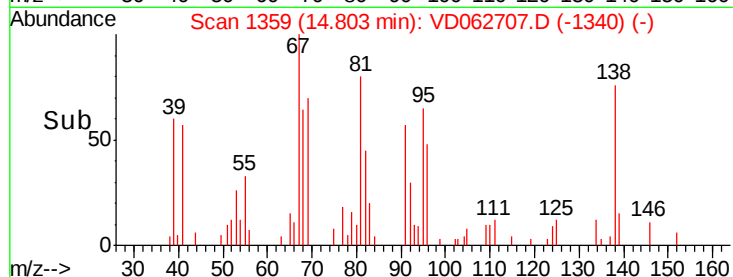
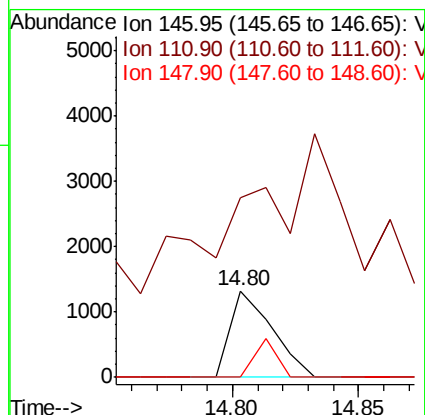
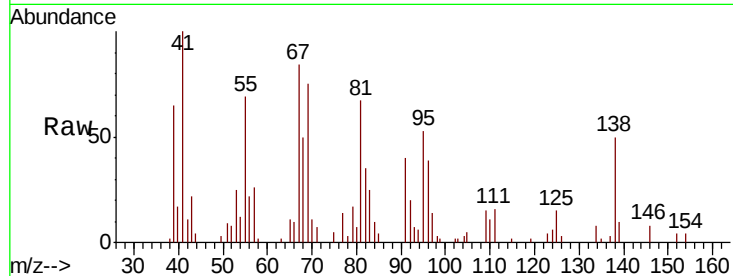




#91
 1,2-Dichlorobenzene
 Concen: 1.787 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

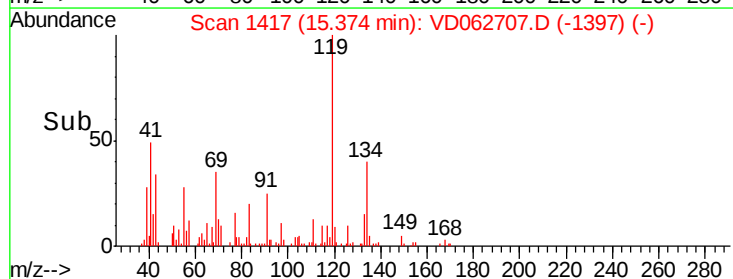
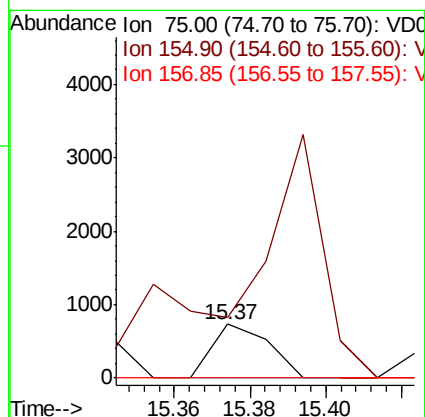
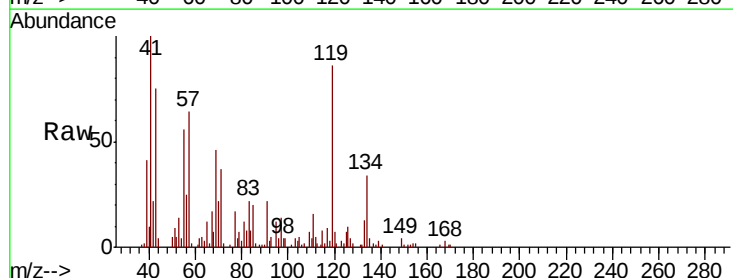
Instrument :
 MSVOA_D
 ClientSampled :
 OILY-SOIL

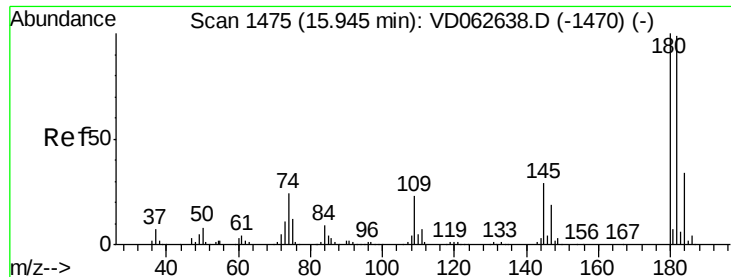
Tot Ion:146 Resp: 1520
 Ion Ratio Lower Upper
 146 100
 111 208.4 18.1 54.3#
 148 0.0 31.4 94.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.385 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion: 75 Resp: 750
 Ion Ratio Lower Upper
 75 100
 155 112.0 30.1 90.5#
 157 0.0 35.9 107.8#

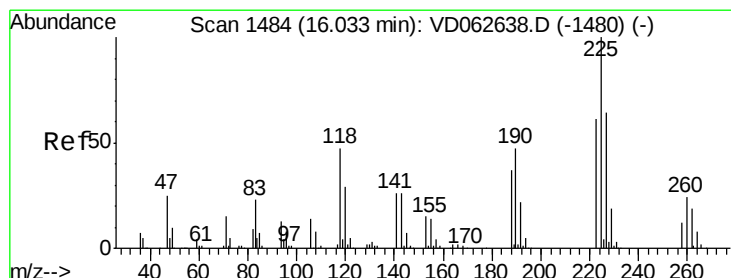
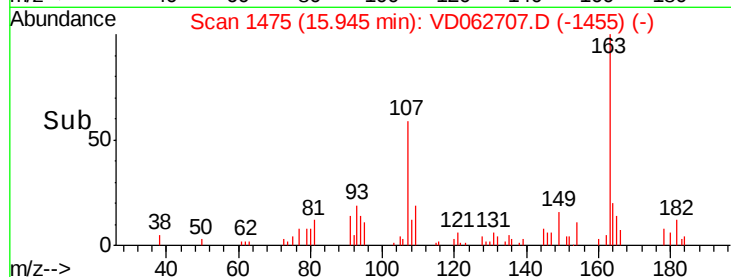
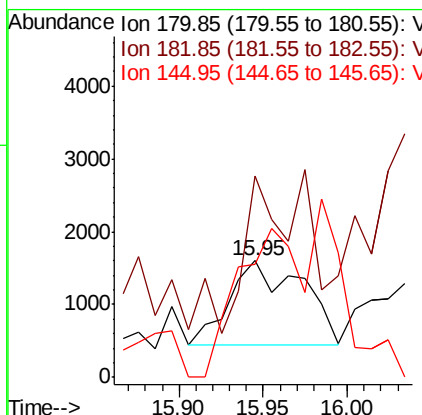
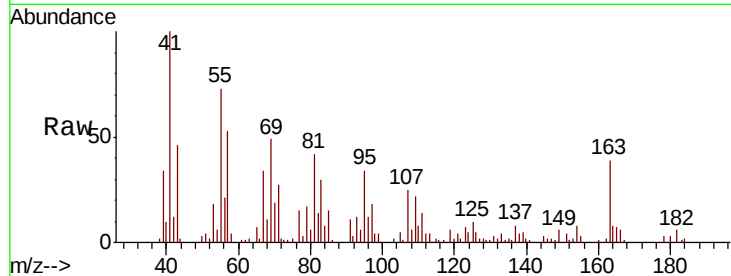




#93
 1,2,4-Trichlorobenzene
 Concen: 8.086 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

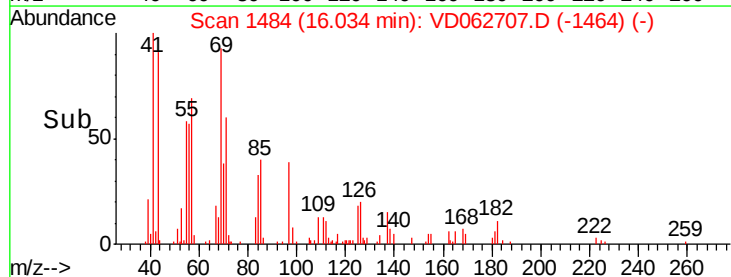
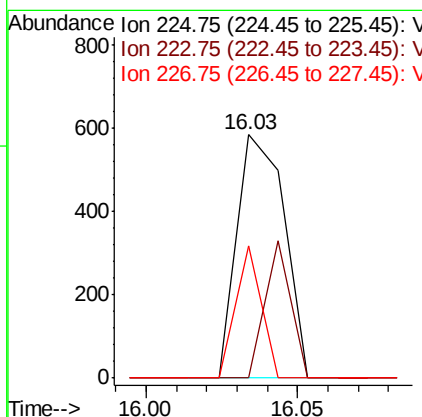
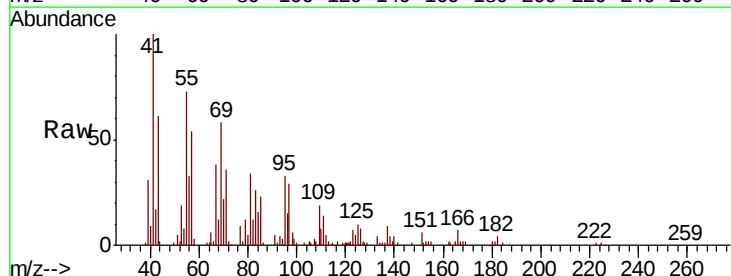
Instrument :
 MSVOA_D
 ClientSampled :
 OILY-SOIL

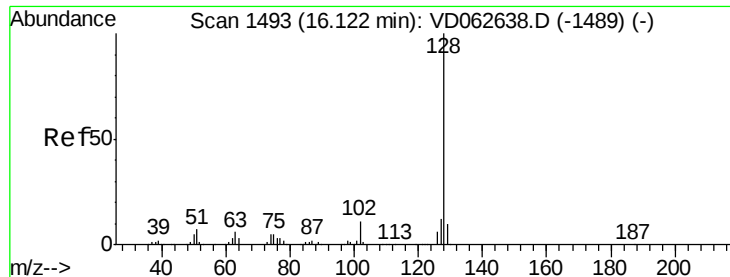
Tot Ion:180 Resp: 3510
 Ion Ratio Lower Upper
 180 100
 182 172.6 49.4 148.2#
 145 96.6 14.5 43.6#



#94
 Hexachlorobutadiene
 Concen: 1.273 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062707.D
 Acq: 14 Jun 2019 13:29

Tgt Ion:225 Resp: 639
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 91.0#
 227 54.3 31.8 95.4





#95

Naphthalene

Concen: 20.273 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

OILY-SOIL

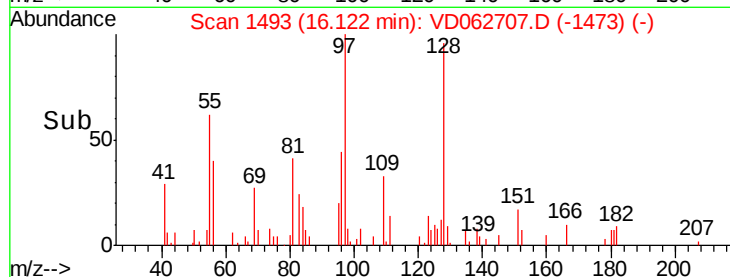
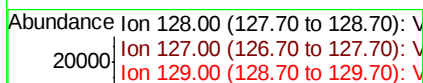
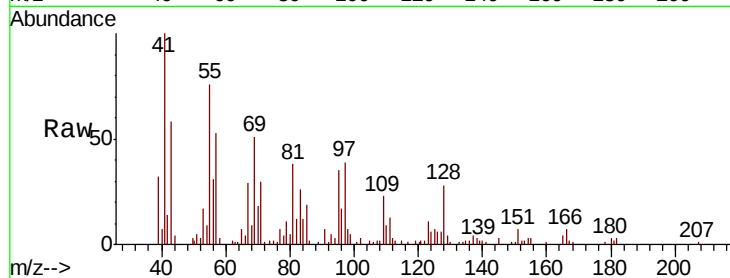
Tot Ion:128 Resp: 18380

Ion Ratio Lower Upper

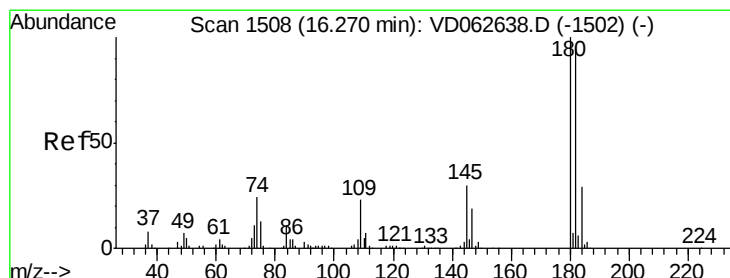
128 100

127 21.5 9.7 14.5#

129 14.0 8.1 12.1#



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 13.594 ug/l

RT: 16.25 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Tgt Ion:180 Resp: 6659

Ion Ratio Lower Upper

180 100

182 49.8 47.7 143.1

145 19.4 15.0 45.0

