

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000942.D
 Acq On : 24 Jan 2018 12:21
 Operator : JC/SY
 Sample : J1161-01 LOD 2.0PPB
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Jan 25 04:24:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	335802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123471	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
35) Dibromofluoromethane	7.88	113	101904	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.33	98	432584	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.63	95	146709	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5372	2.39	ug/l	96
3) Chloromethane	2.22	50	4685	2.36	ug/l	91
4) Vinyl Chloride	2.36	62	3877	2.10	ug/l	90
5) Bromomethane	2.77	94	3493	2.76	ug/l	98
6) Chloroethane	2.92	64	2204	2.15	ug/l	92
7) Trichlorofluoromethane	3.26	101	7709	2.27	ug/l	94
8) Diethyl Ether	3.68	74	1881	2.21	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4617	2.10	ug/l	97
10) Methyl Iodide	4.26	142	3419	6.18	ug/l	95
11) Tert butyl alcohol	5.13	59	20482	84.61	ug/l #	78
12) 1,1-Dichloroethene	4.03	96	3925	2.08	ug/l #	82
13) Acrolein	3.89	56	1624	6.87	ug/l #	82
14) Allyl chloride	4.67	41	5957	2.03	ug/l	94
15) Acrylonitrile	5.38	53	6461	9.71	ug/l	96
16) Acetone	4.13	43	9751	27.23	ug/l #	82
17) Carbon Disulfide	4.37	76	12427	1.99	ug/l	100
18) Methyl Acetate	4.68	43	3495	2.13	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	9231	1.90	ug/l	97
20) Methylene Chloride	4.92	84	8992	1.57	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	4452	2.03	ug/l #	81
22) Diisopropyl ether	6.32	45	8564	1.63	ug/l	94
23) Vinyl Acetate	6.25	43	10439	3.19	ug/l	100
24) 1,1-Dichloroethane	6.21	63	6996	1.99	ug/l #	92
25) 2-Butanone	7.18	43	10243	10.37	ug/l	99
26) 2,2-Dichloropropane	7.17	77	9251	2.59	ug/l	86
27) cis-1,2-Dichloroethene	7.16	96	4332	1.91	ug/l	74
28) Bromochloromethane	7.51	49	3154	2.13	ug/l #	98
29) Tetrahydrofuran	7.54	42	5027	9.25	ug/l	95
30) Chloroform	7.68	83	7730	2.03	ug/l	94
31) Cyclohexane	7.95	56	10934	3.01	ug/l #	69
32) 1,1,1-Trichloroethane	7.87	97	7180	1.95	ug/l	95
36) 1,1-Dichloropropene	8.08	75	6931	2.16	ug/l #	83
37) Ethyl Acetate	7.26	43	3597	1.99	ug/l #	97
38) Carbon Tetrachloride	8.06	117	6443	1.82	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	7489	1.94	ug/l	94
40) Benzene	8.33	78	16950	1.95	ug/l	99
41) Methacrylonitrile	7.49	41	1518	1.50	ug/l #	72
42) 1,2-Dichloroethane	8.40	62	5054	1.88	ug/l	98
43) Isopropyl Acetate	8.43	43	5620	1.83	ug/l	96
44) Trichloroethene	9.10	130	5430	2.10	ug/l	91
45) 1,2-Dichloropropane	9.38	63	3875	1.91	ug/l	97
46) Dibromomethane	9.46	93	2190	1.69	ug/l	97
47) Bromodichloromethane	9.65	83	4774	1.66	ug/l #	87
48) Methyl methacrylate	9.44	41	2666	1.81	ug/l	97
49) 1,4-Dioxane	9.45	88	932	32.84	ug/l #	74
51) 4-Methyl-2-Pentanone	10.22	43	14048	7.96	ug/l	95
52) Toluene	10.40	92	11069	2.01	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	4843	1.66	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	4989	1.56	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	3315	1.83	ug/l #	93
56) Ethyl methacrylate	10.66	69	3394	4.55	ug/l #	84
57) 1,3-Dichloropropane	10.94	76	5562	1.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	4308	28.65	ug/l	97
59) 2-Hexanone	10.98	43	10207	20.87	ug/l	91
60) Dibromochloromethane	11.14	129	3918	1.79	ug/l	98
61) 1,2-Dibromoethane	11.24	107	3244	1.72	ug/l	100
64) Tetrachloroethene	10.87	164	5443	2.17	ug/l	92
65) Chlorobenzene	11.67	112	11757	1.89	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	3840	1.72	ug/l #	61
67) Ethyl Benzene	11.74	91	19353	1.84	ug/l	95
68) m/p-Xylenes	11.85	106	13625	3.34	ug/l	96
69) o-Xylene	12.18	106	6181	1.65	ug/l	100
70) Styrene	12.19	104	9626	1.58	ug/l	96
71) Bromoform	12.36	173	2533	1.67	ug/l #	98
73) Isopropylbenzene	12.48	105	17497	1.67	ug/l	100
74) N-amyl acetate	12.29	43	3897	1.54	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	4047	1.81	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	5692	3.04	ug/l #	100
77) Bromobenzene	12.76	156	5135	1.93	ug/l	97
78) n-propylbenzene	12.82	91	23554	1.87	ug/l	99
79) 2-Chlorotoluene	12.91	91	13871	1.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	15105	1.70	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	74842	95.73	ug/l #	11
82) 4-Chlorotoluene	13.01	91	14099	1.87	ug/l	99
83) tert-Butylbenzene	13.23	119	13641	1.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	14004	1.56	ug/l	99
85) sec-Butylbenzene	13.40	105	19438	1.73	ug/l	98
86) p-Isopropyltoluene	13.52	119	16155	1.62	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	10058	1.91	ug/l	98
88) 1,4-Dichlorobenzene	13.52	146	10058	1.91	ug/l	97
89) n-Butylbenzene	13.84	91	16964	1.81	ug/l	96
90) Hexachloroethane	14.11	117	3707	2.00	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	9138	1.92	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	838	1.70	ug/l	93

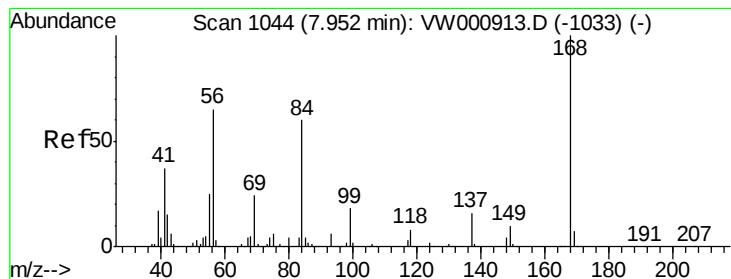
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	6783	1.92	ug/l	96
94) Hexachlorobutadiene	15.26	225	5030	2.24	ug/l	95
95) Naphthalene	15.40	128	11472	1.53	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.58	180	5946	1.83	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

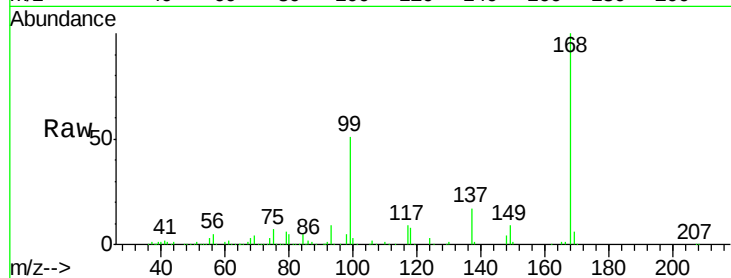
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:168 Resp: 232902

Ion Ratio Lower Upper

168 100

99 51.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

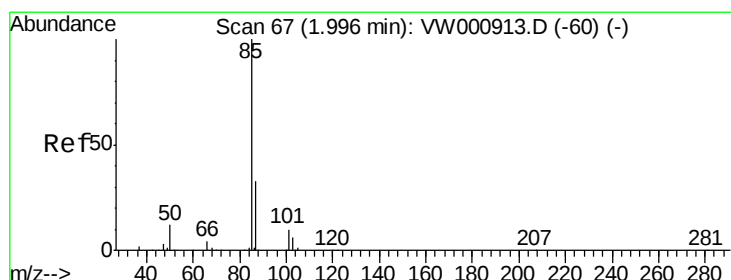
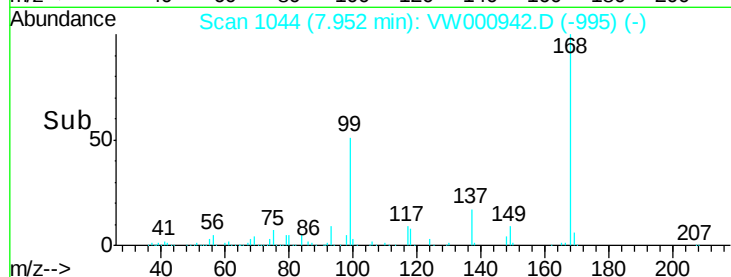
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.39 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW000942.D

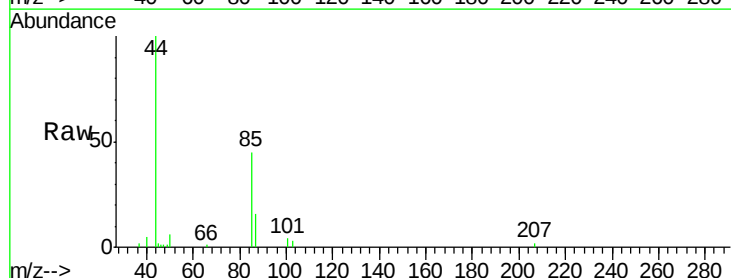
Acq: 24 Jan 2018 12:21

Tgt Ion: 85 Resp: 5372

Ion Ratio Lower Upper

85 100

87 35.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

4000

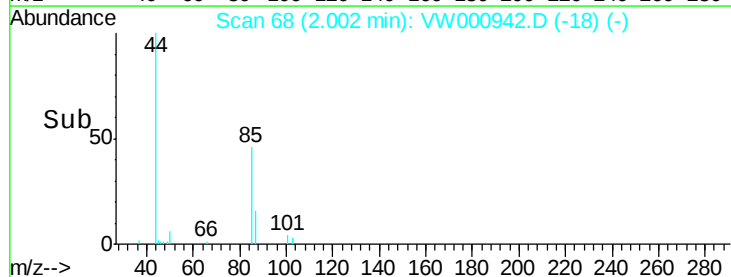
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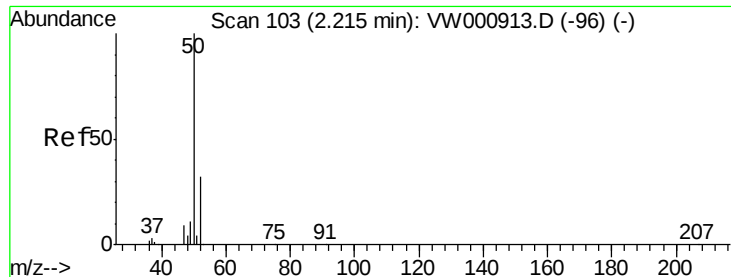
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.36 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

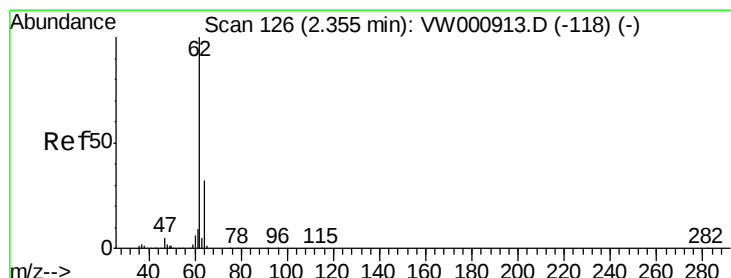
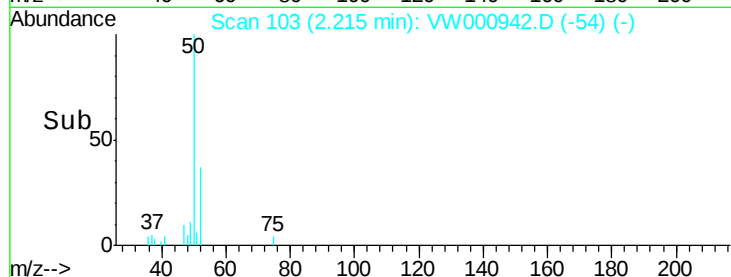
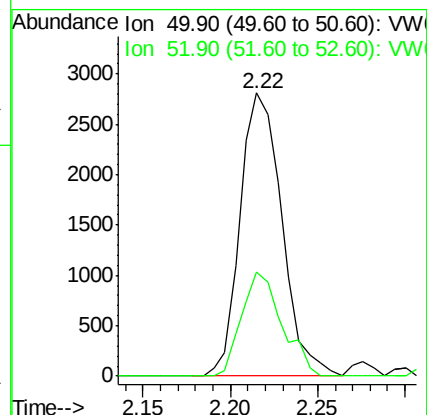
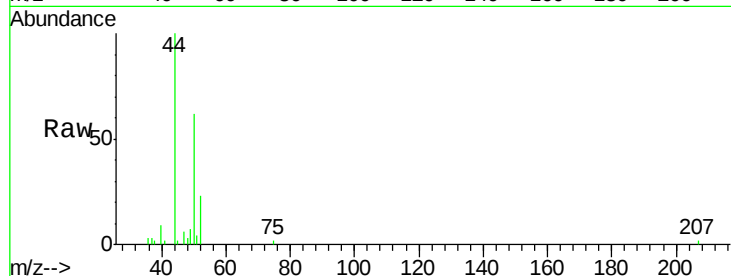
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 50 Resp: 4685

Ion Ratio Lower Upper

50 100

52 37.0 25.5 38.3



#4

Vinyl Chloride

Concen: 2.10 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000942.D

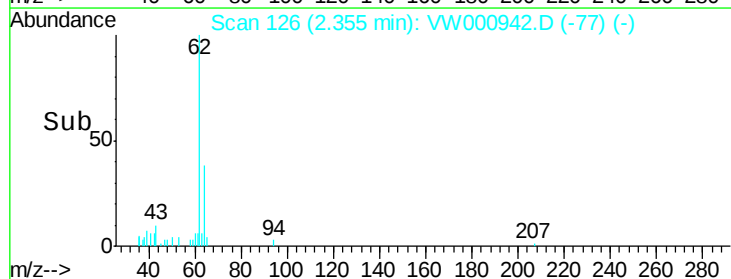
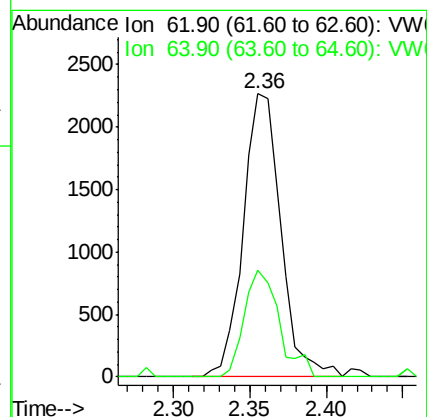
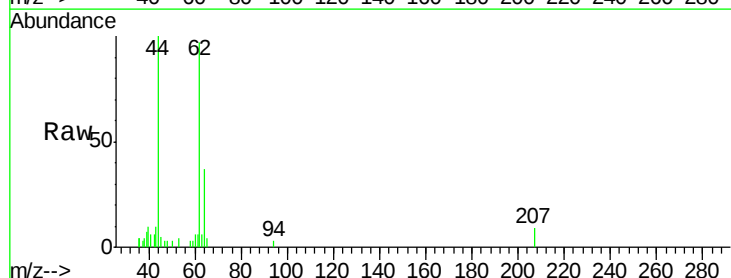
Acq: 24 Jan 2018 12:21

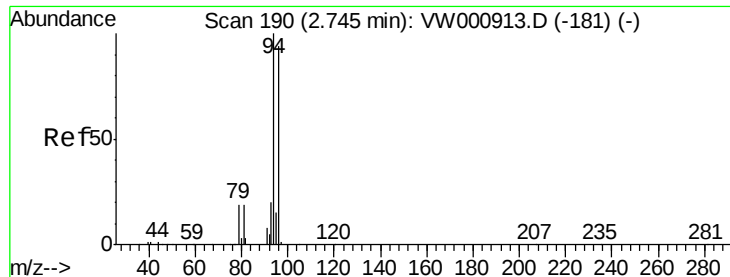
Tgt Ion: 62 Resp: 3877

Ion Ratio Lower Upper

62 100

64 37.8 25.6 38.4





#5

Bromomethane

Concen: 2.76 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.02 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

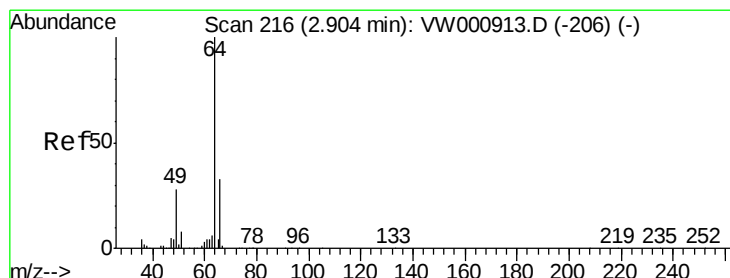
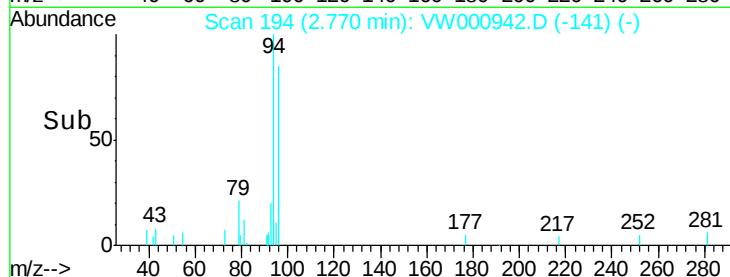
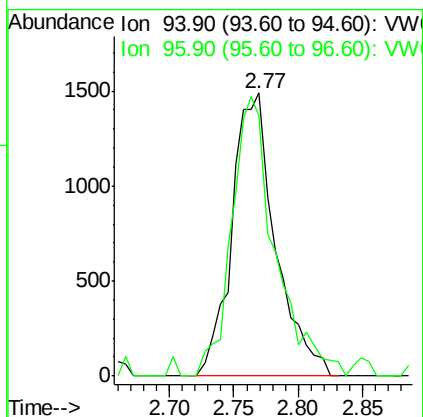
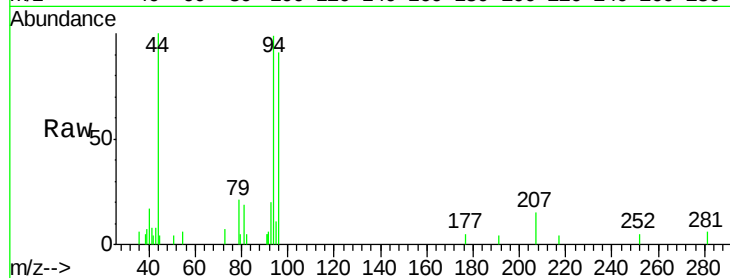
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 94 Resp: 3493

Ion Ratio Lower Upper

94 100

96 92.2 75.5 113.3



#6

Chloroethane

Concen: 2.15 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.01 min

Lab File: VW000942.D

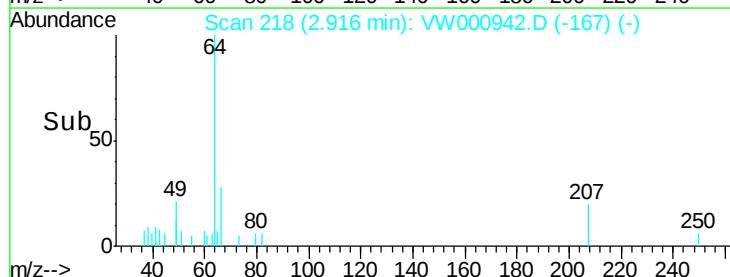
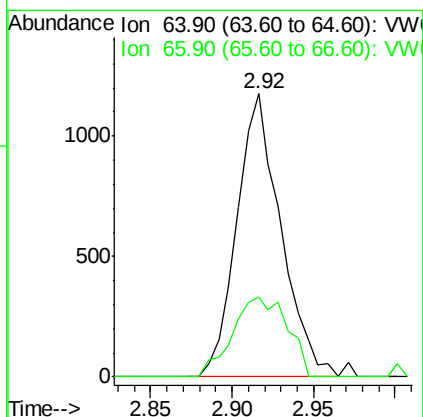
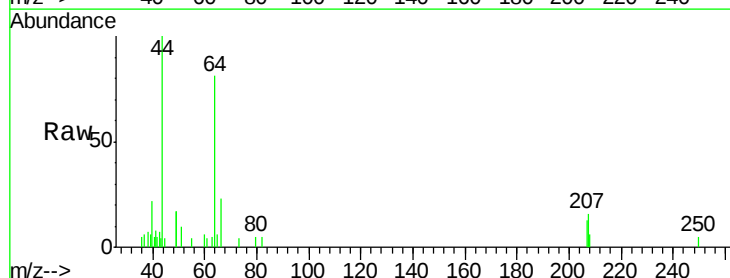
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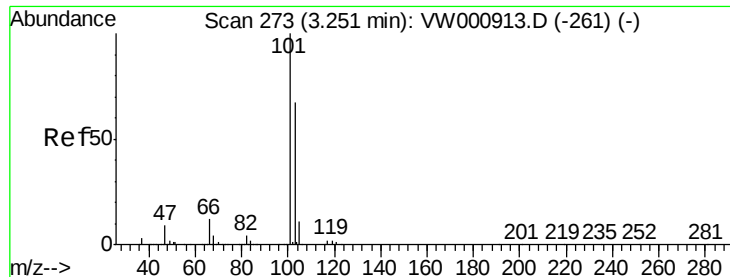
Tgt Ion: 64 Resp: 2204

Ion Ratio Lower Upper

64 100

66 28.3 26.1 39.1



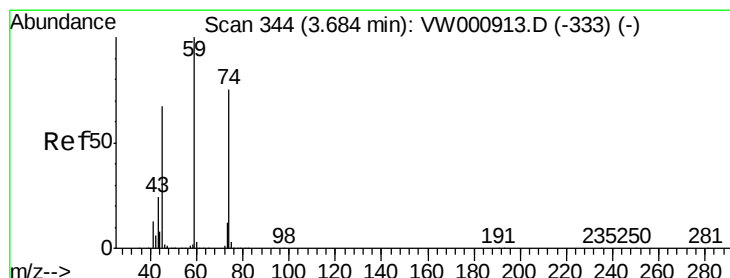
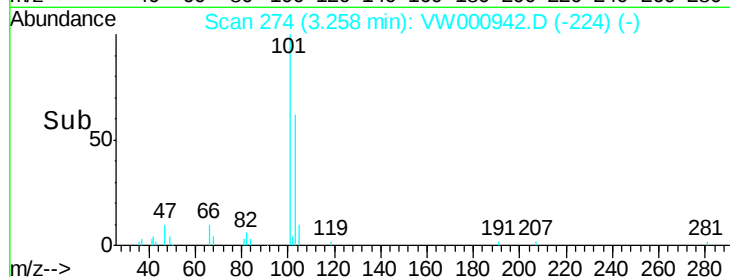
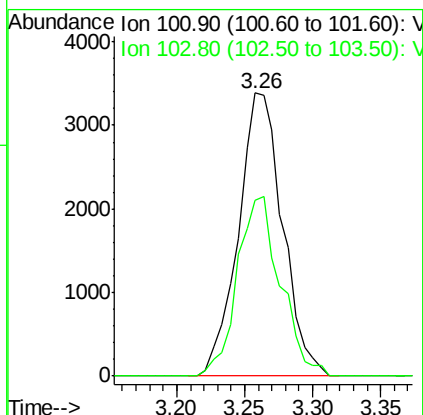
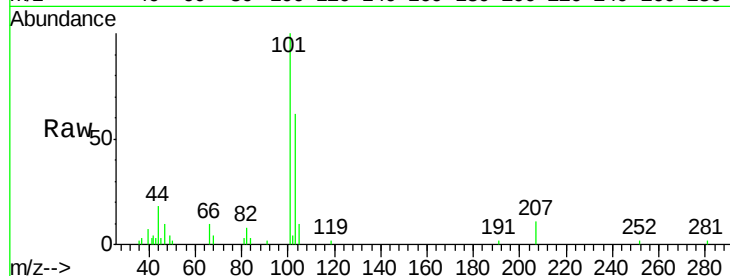


#7

Trichlorofluoromethane
Concen: 2.27 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

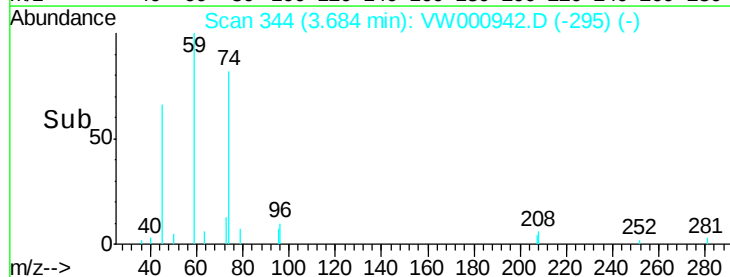
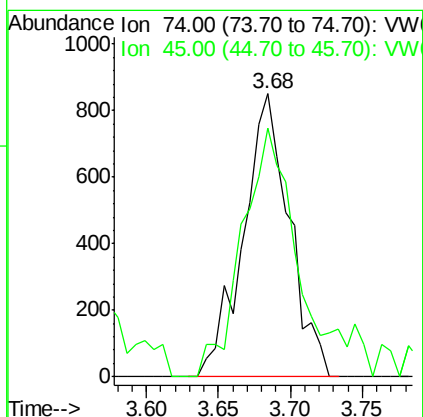
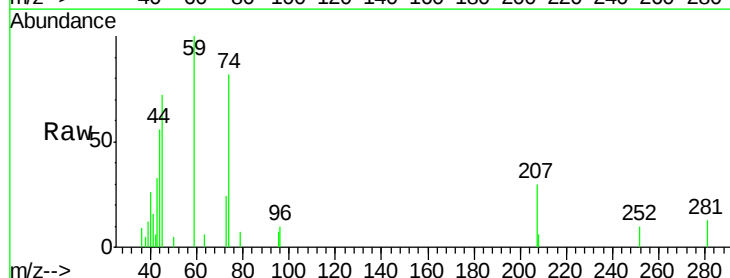
Tgt Ion: 101 Resp: 7709
Ion Ratio Lower Upper
101 100
103 62.0 53.4 80.0

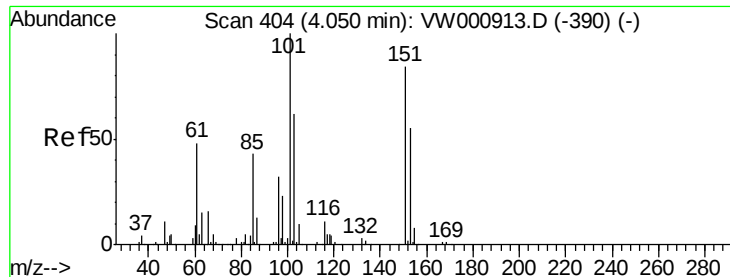


#8

Diethyl Ether
Concen: 2.21 ug/l
RT: 3.68 min Scan# 344
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 74 Resp: 1881
Ion Ratio Lower Upper
74 100
45 109.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.10 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

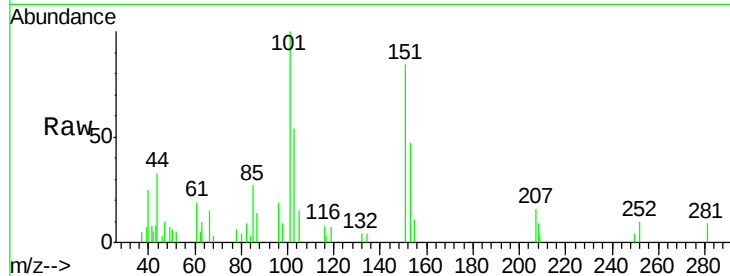
Tgt Ion:101 Resp: 4617

Ion Ratio Lower Upper

101 100

85 42.1 35.3 52.9

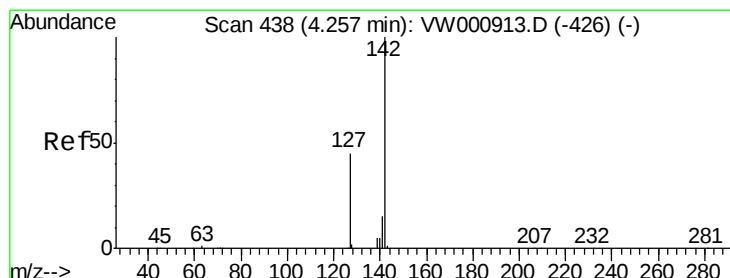
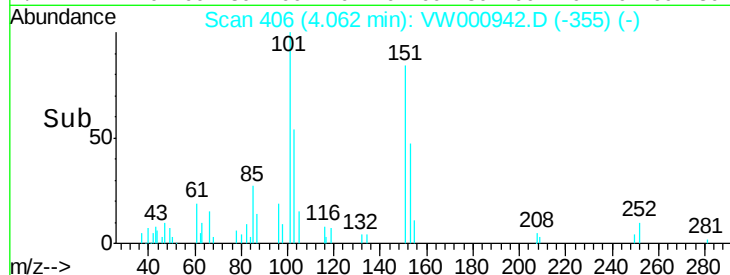
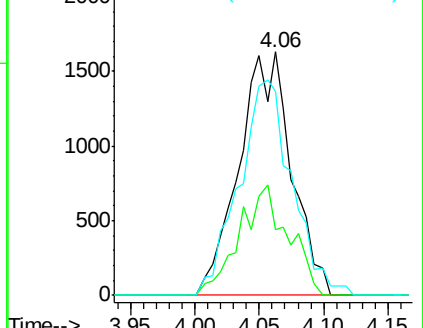
151 89.5 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.18 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

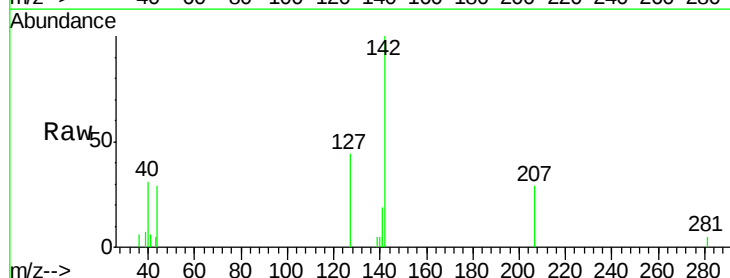
Tgt Ion:142 Resp: 3419

Ion Ratio Lower Upper

142 100

127 48.5 35.5 53.3

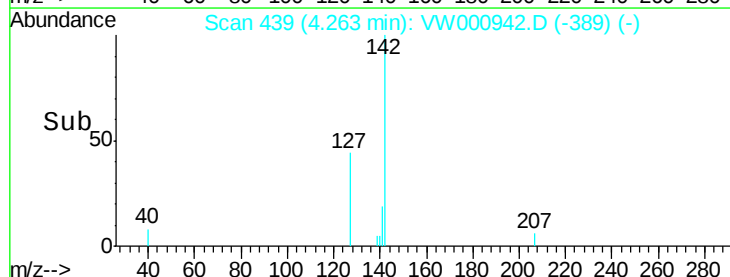
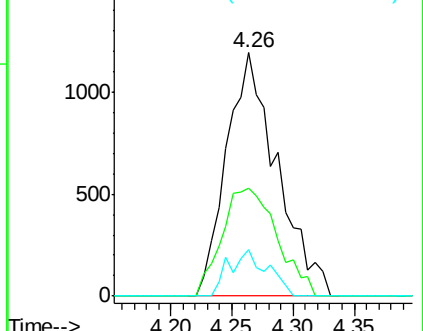
141 14.4 11.7 17.5

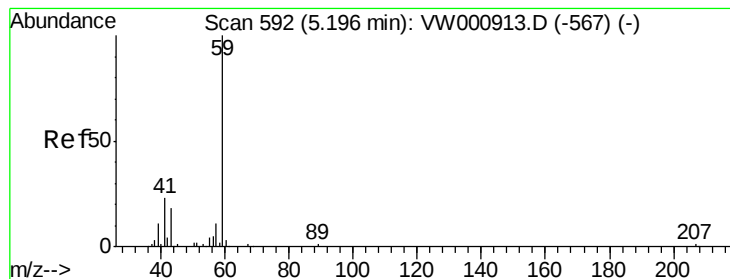


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.61 ug/l

RT: 5.13 min Scan# 581

Delta R.T. -0.07 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

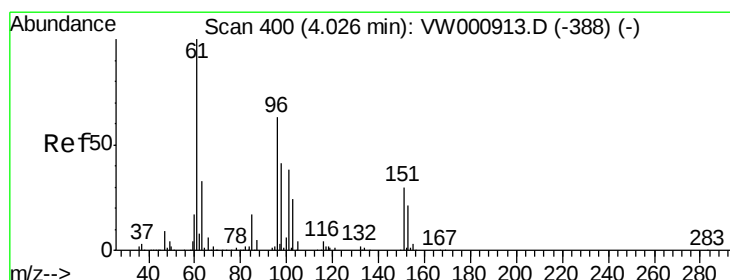
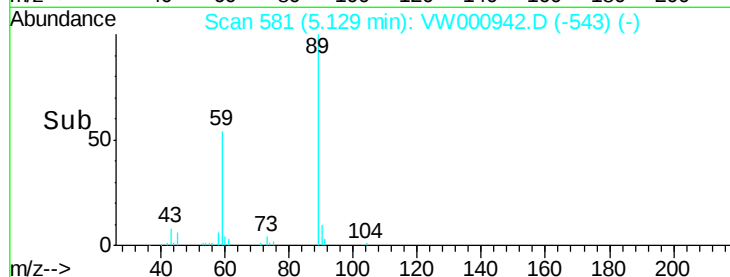
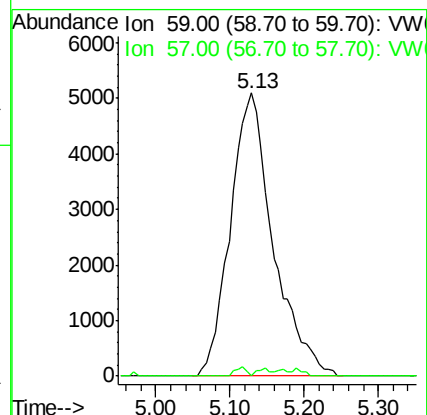
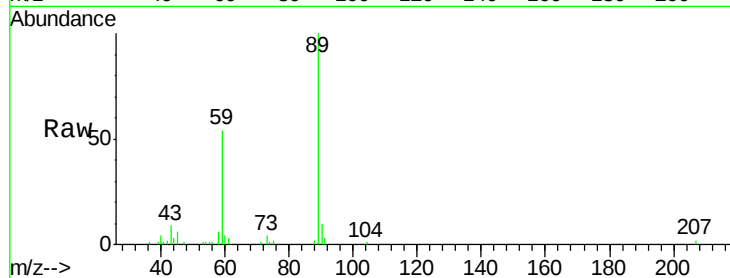
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 59 Resp: 20482

Ion Ratio Lower Upper

59 100

57 0.8 7.0 10.6#



#12

1,1-Dichloroethene

Concen: 2.08 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

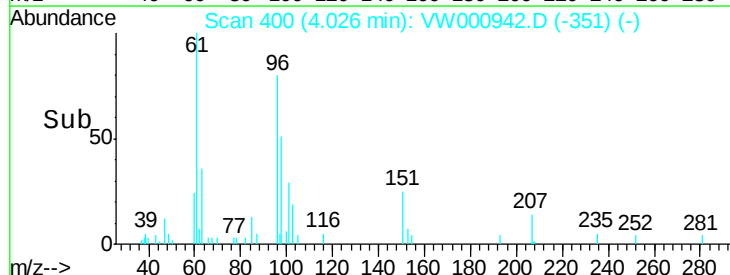
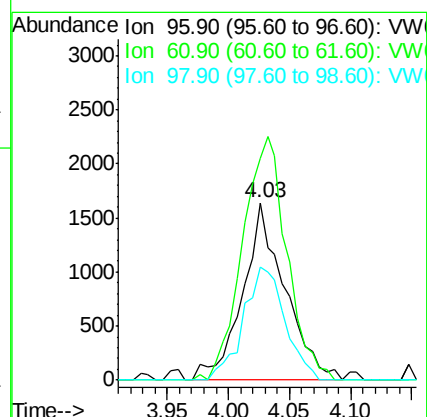
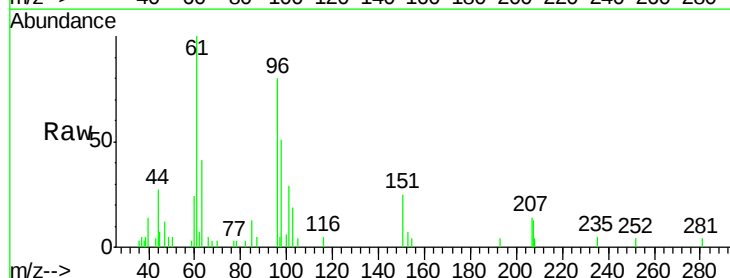
Tgt Ion: 96 Resp: 3925

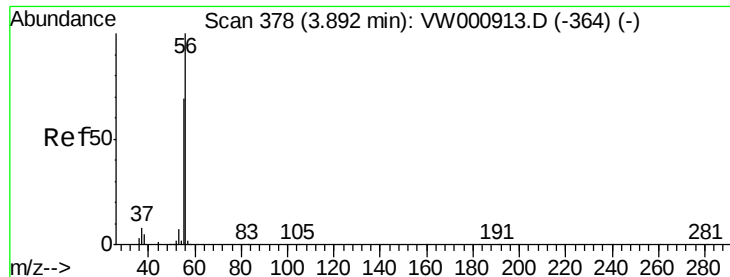
Ion Ratio Lower Upper

96 100

61 124.9 126.7 190.1#

98 64.0 52.1 78.1





#13

Acrolein

Concen: 6.87 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

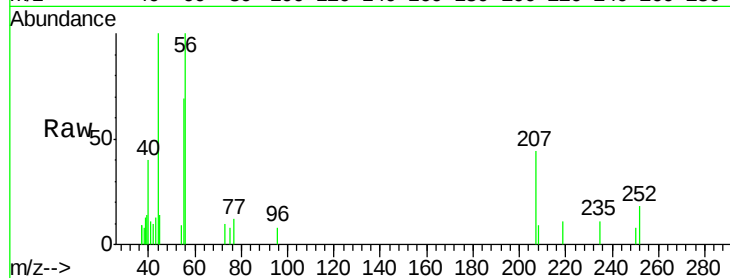
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 56 Resp: 1624

Ion Ratio Lower Upper

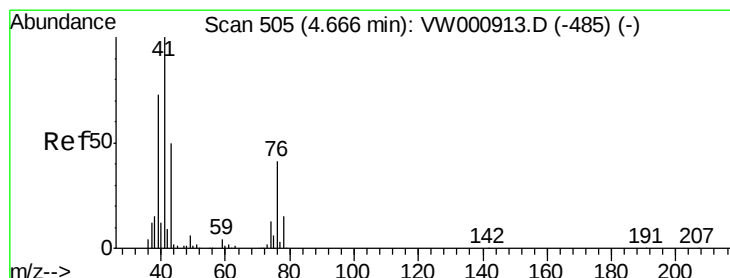
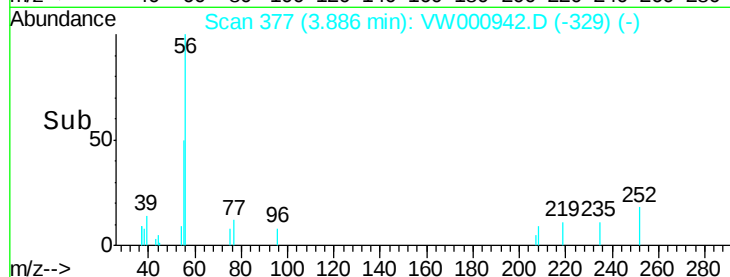
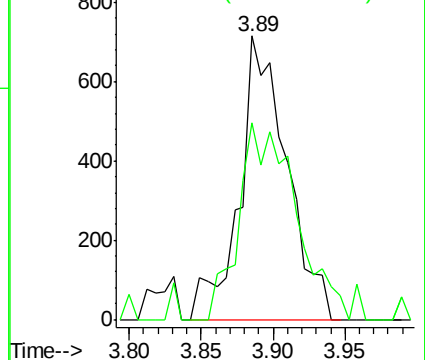
56 100

55 83.8 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 2.03 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

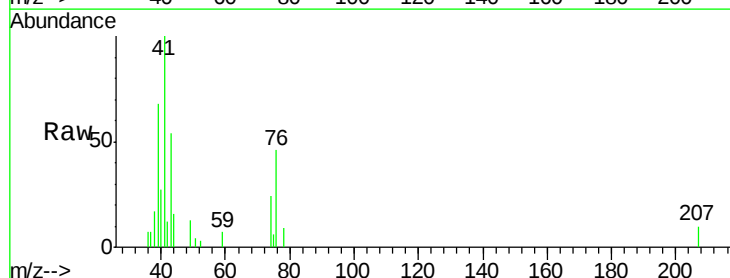
Tgt Ion: 41 Resp: 5957

Ion Ratio Lower Upper

41 100

39 74.6 55.3 82.9

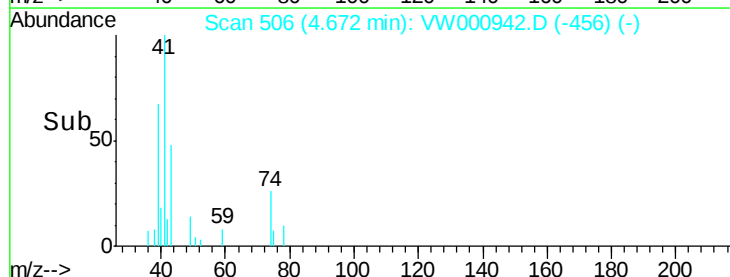
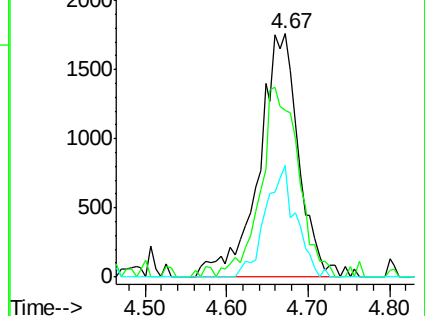
76 35.4 29.9 44.9

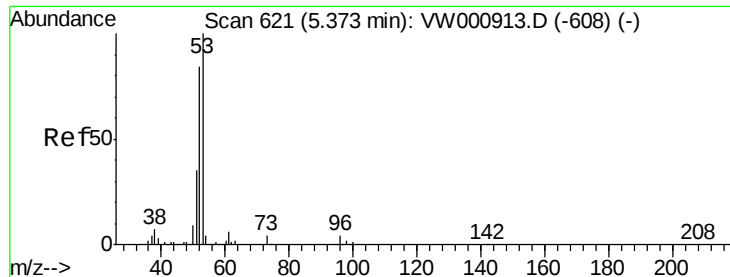


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 9.71 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

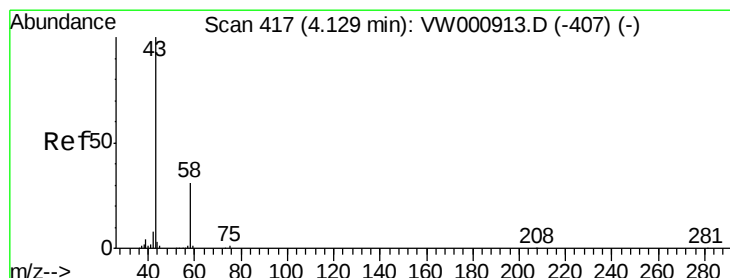
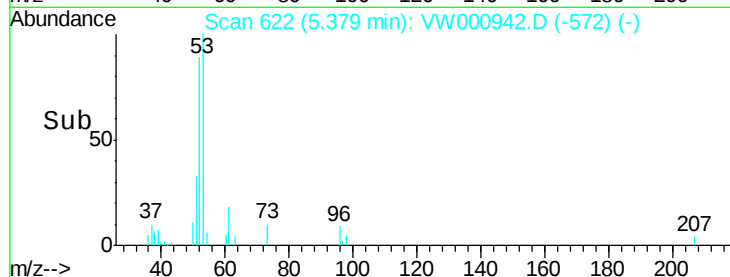
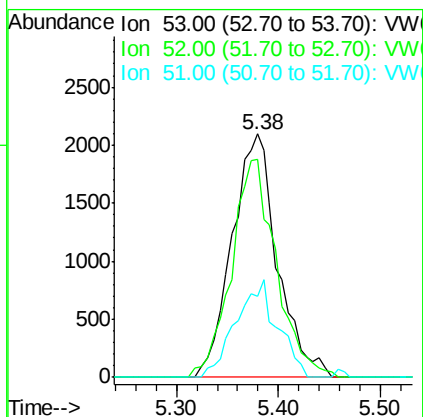
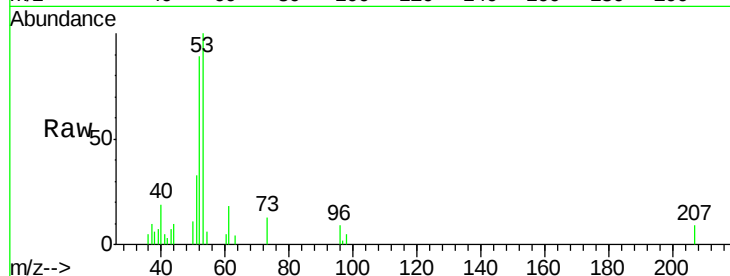
Tgt Ion: 53 Resp: 6461

Ion Ratio Lower Upper

53 100

52 88.5 66.6 99.8

51 36.5 29.4 44.0



#16

Acetone

Concen: 27.23 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000942.D

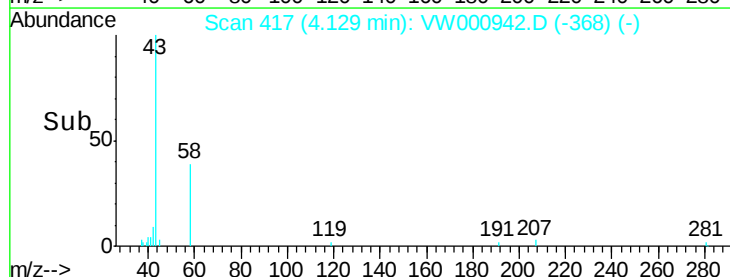
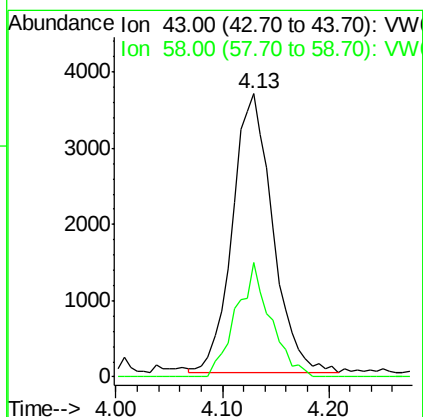
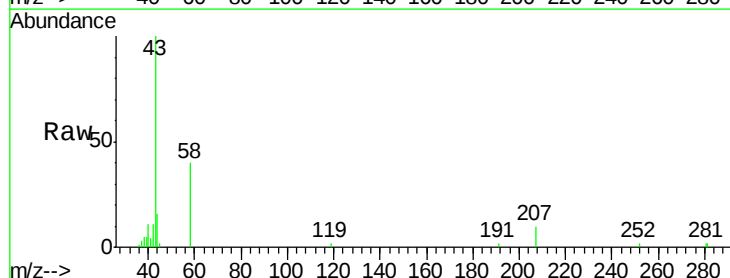
Acq: 24 Jan 2018 12:21

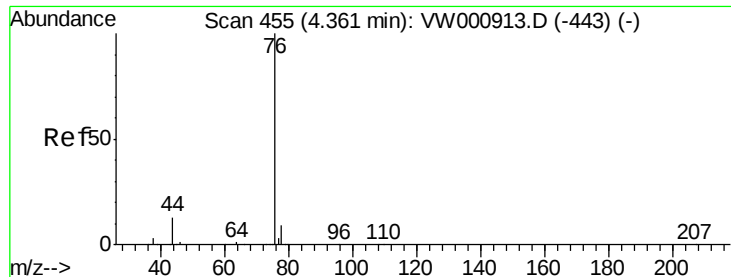
Tgt Ion: 43 Resp: 9751

Ion Ratio Lower Upper

43 100

58 40.9 24.9 37.3#





#17

Carbon Disulfide

Concen: 1.99 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

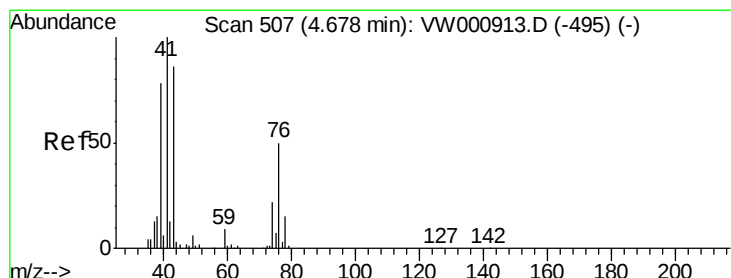
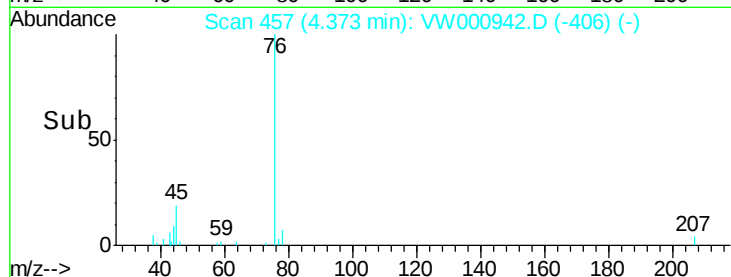
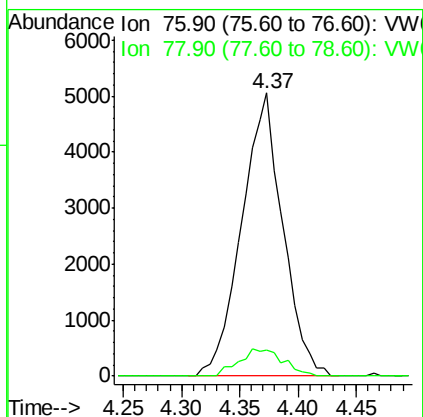
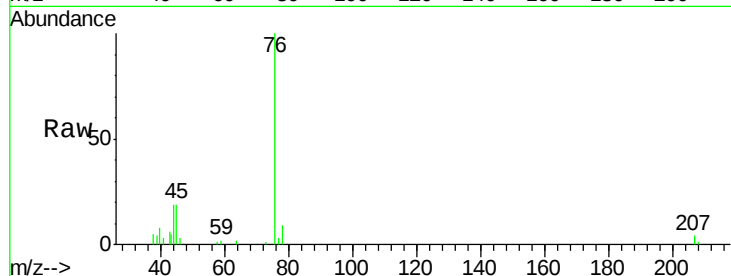
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 76 Resp: 12427

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



#18

Methyl Acetate

Concen: 2.13 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW000942.D

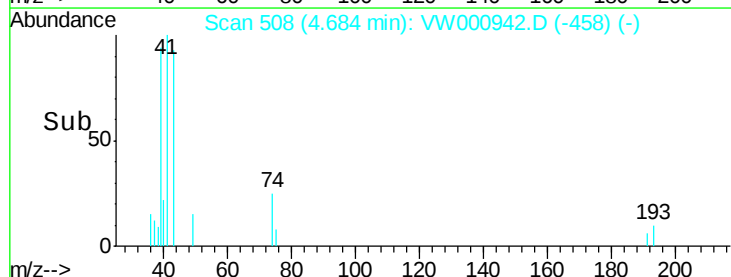
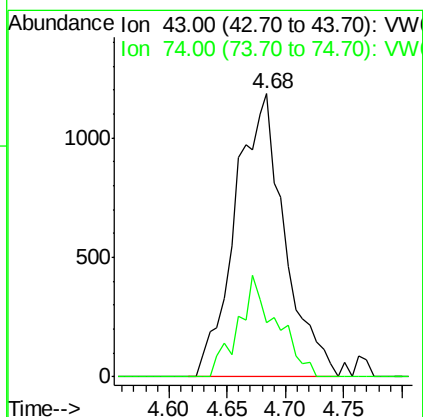
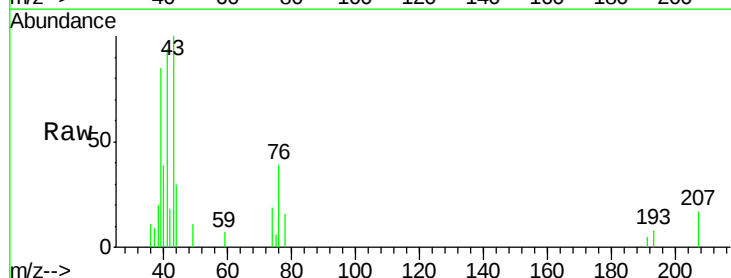
Acq: 24 Jan 2018 12:21

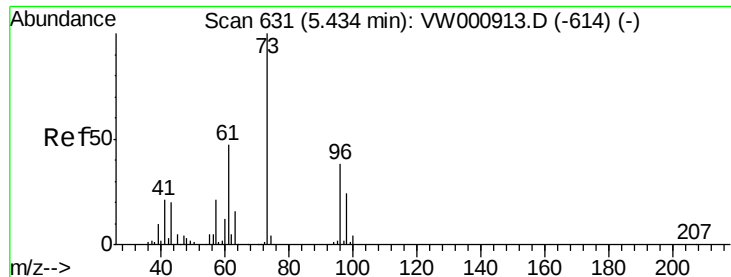
Tgt Ion: 43 Resp: 3495

Ion Ratio Lower Upper

43 100

74 27.7 20.5 30.7

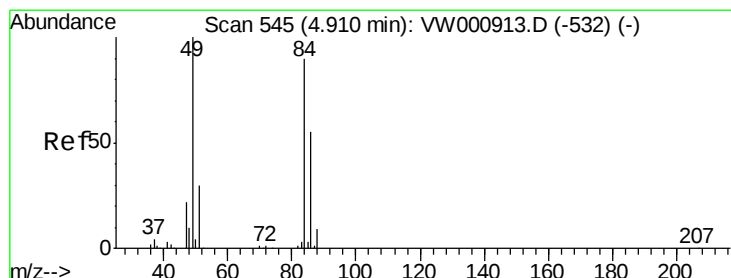
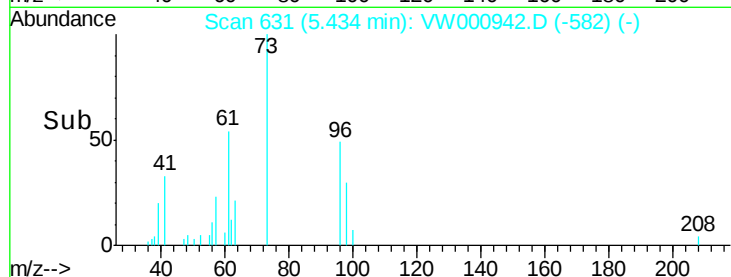
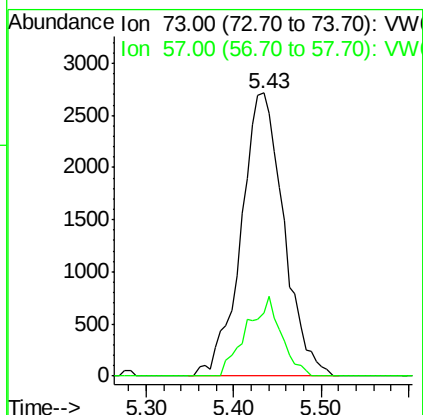
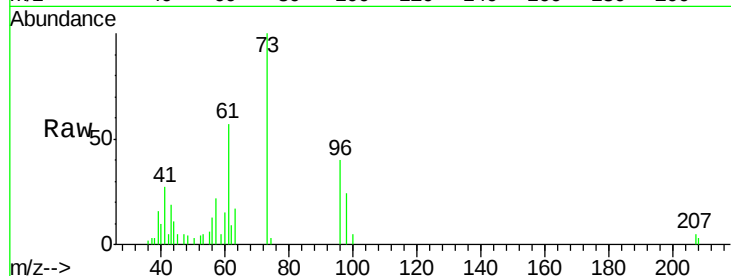




#19
Methyl tert-butyl Ether
Concen: 1.90 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

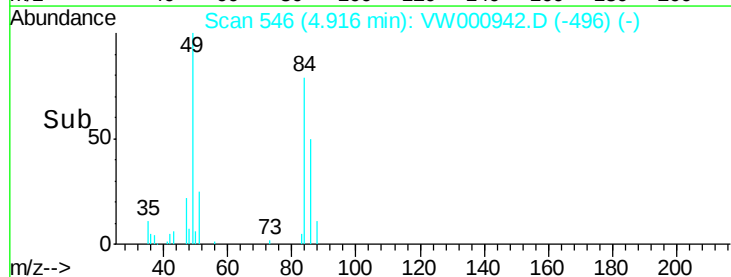
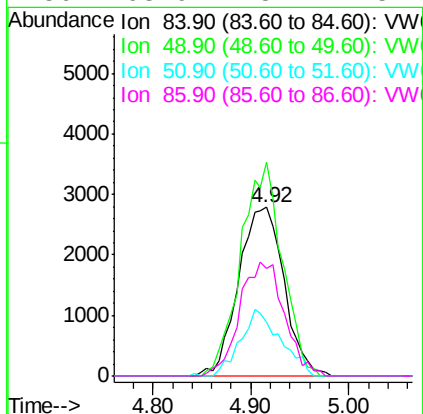
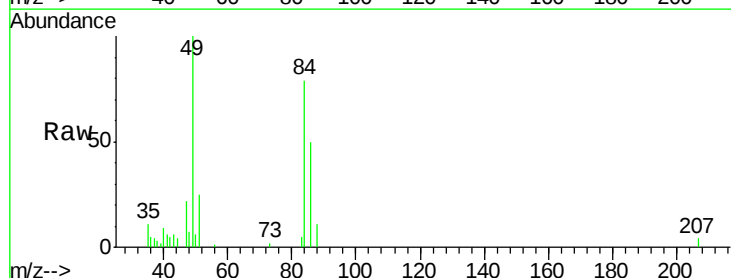
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

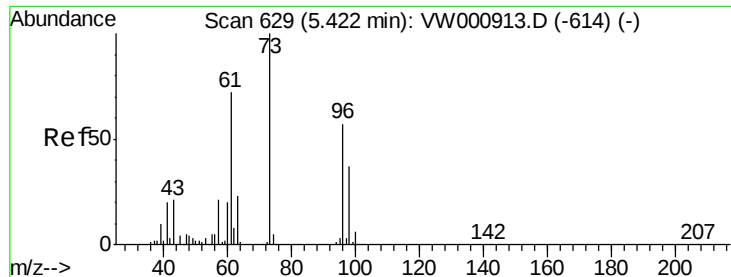
Tgt Ion: 73 Resp: 9231
Ion Ratio Lower Upper
73 100
57 22.4 16.7 25.1



#20
Methylene Chloride
Concen: 1.57 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 84 Resp: 8992
Ion Ratio Lower Upper
84 100
49 126.8 89.0 133.4
51 31.8 26.7 40.1
86 63.9 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 2.03 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

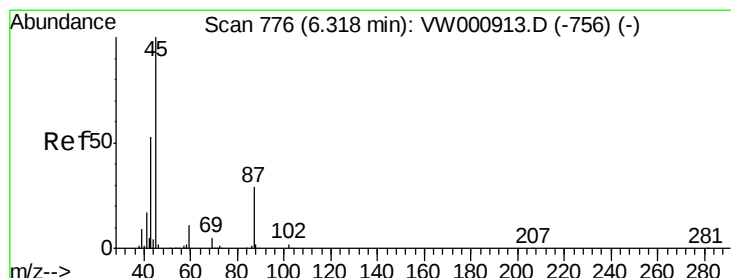
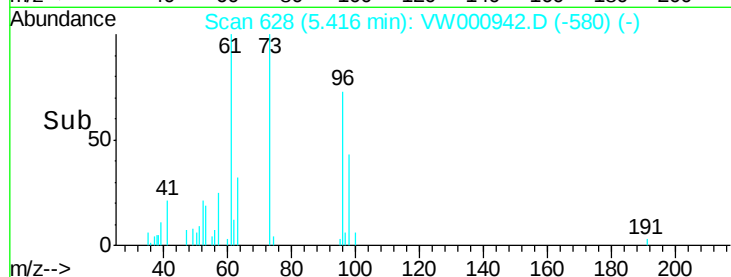
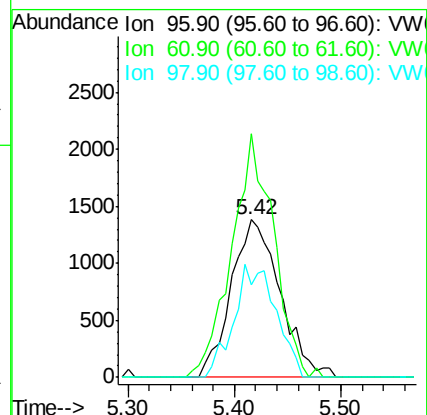
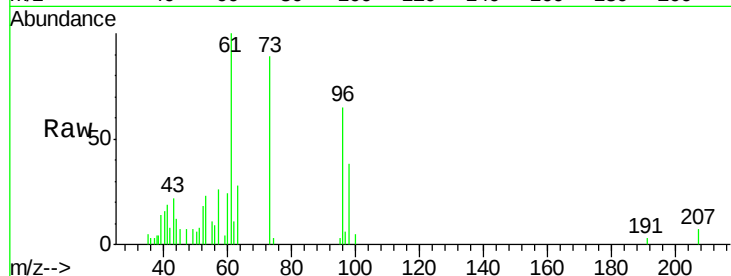
Tgt Ion: 96 Resp: 4452

Ion Ratio Lower Upper

96 100

61 154.7 101.1 151.7#

98 58.6 52.2 78.2



#22

Diisopropyl ether

Concen: 1.63 ug/l

RT: 6.32 min Scan# 777

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Tgt Ion: 45 Resp: 8564

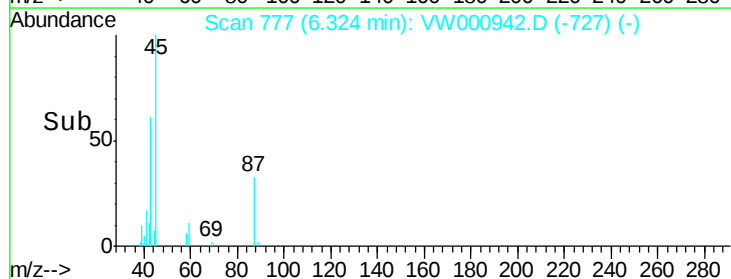
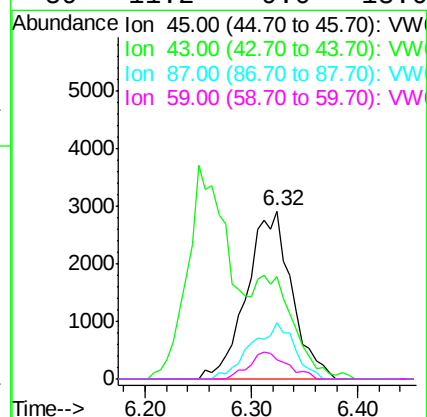
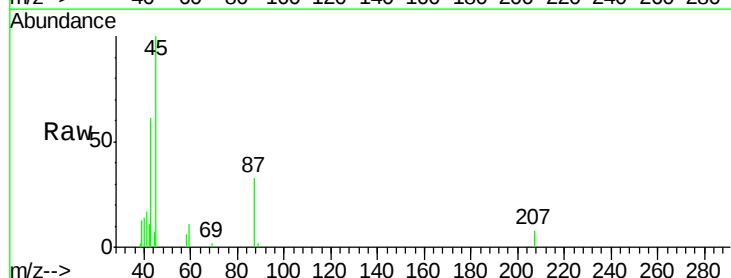
Ion Ratio Lower Upper

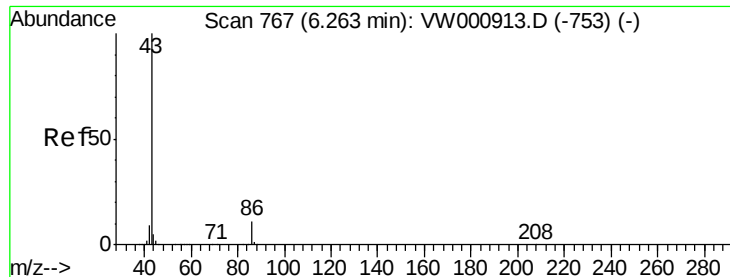
45 100

43 57.8 42.7 64.1

87 33.3 23.8 35.8

59 11.2 9.0 13.6





#23

Vinyl Acetate

Concen: 3.19 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

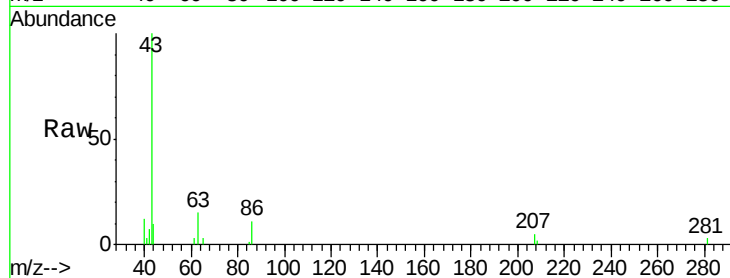
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 43 Resp: 10439

Ion Ratio Lower Upper

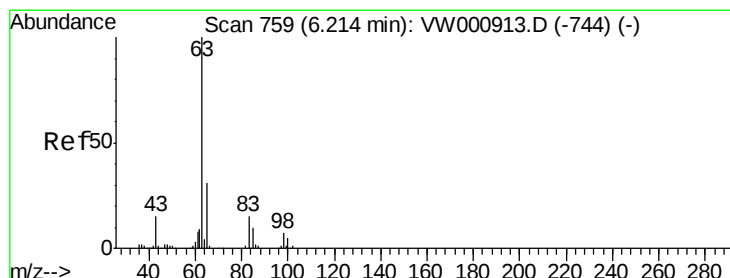
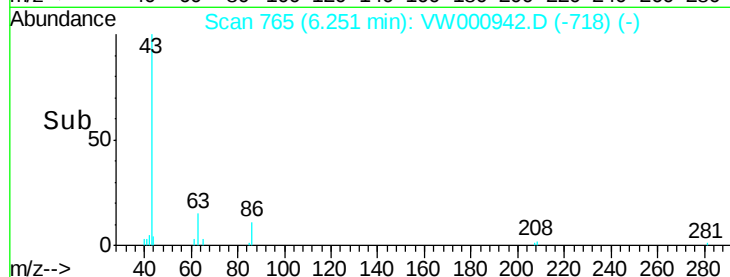
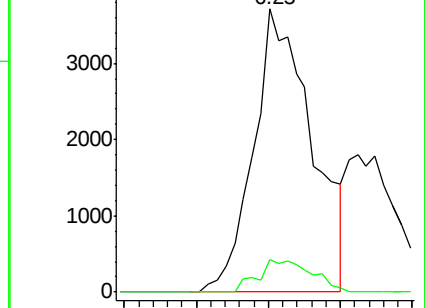
43 100

86 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 1.99 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

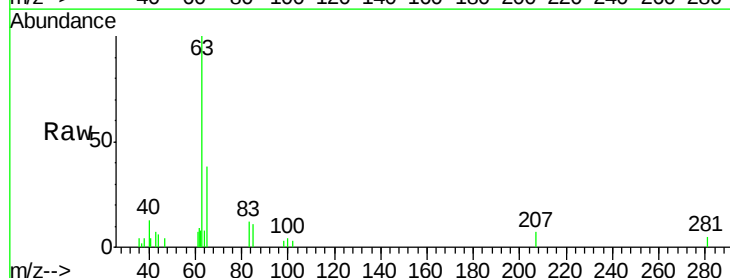
Tgt Ion: 63 Resp: 6996

Ion Ratio Lower Upper

63 100

98 3.1 3.6 10.8#

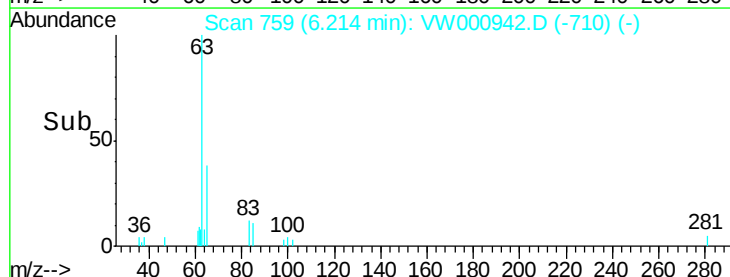
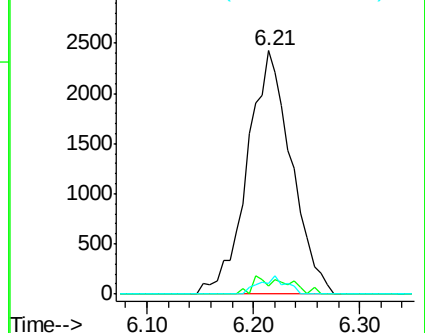
100 4.3 2.5 7.4

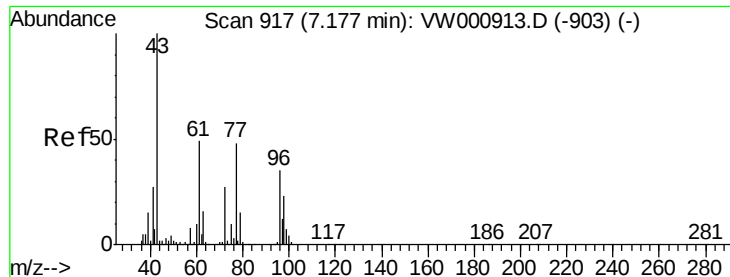


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 10.37 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

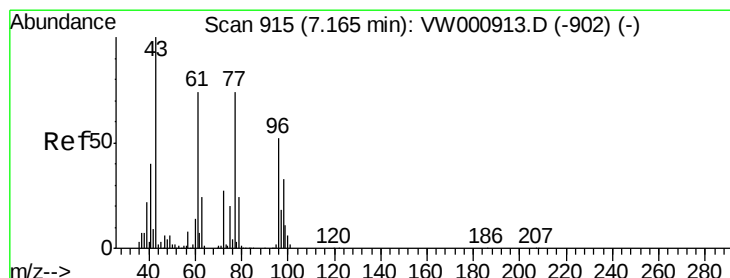
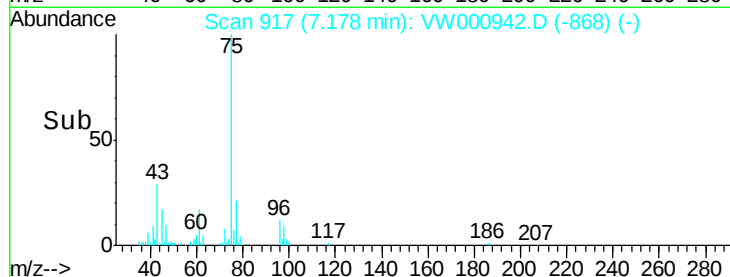
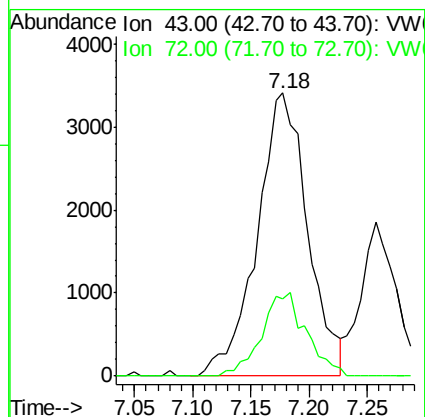
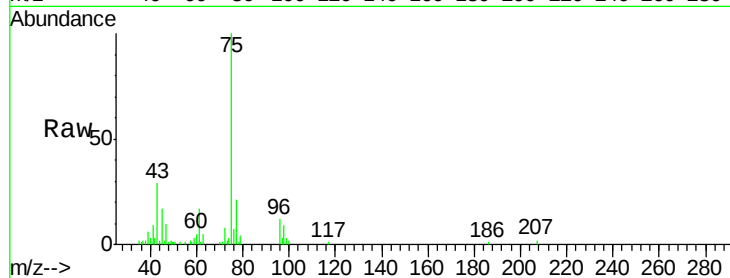
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 43 Resp: 10243

Ion Ratio Lower Upper

43 100

72 27.5 21.5 32.3



#26

2,2-Dichloropropane

Concen: 2.59 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000942.D

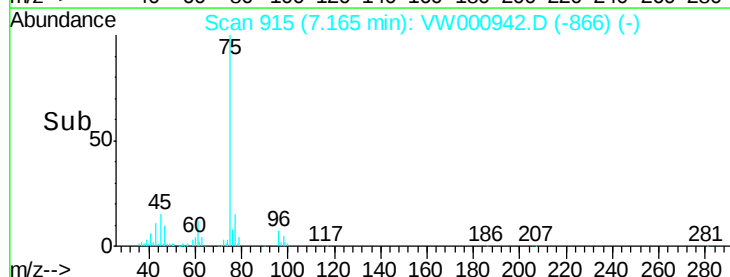
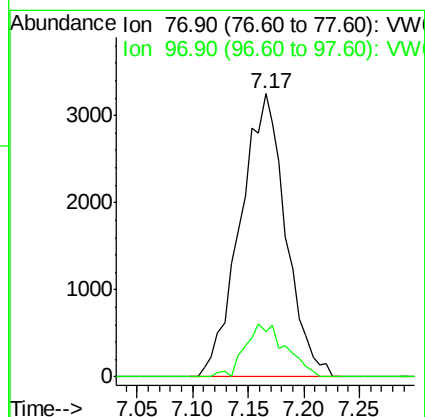
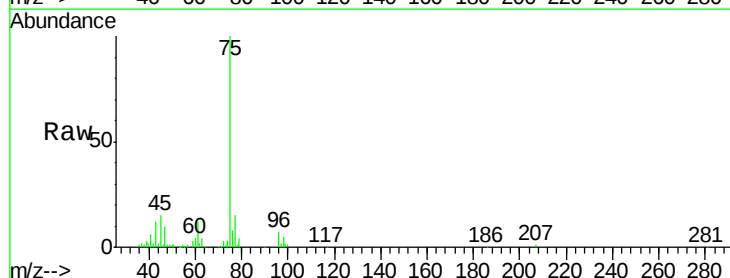
Acq: 24 Jan 2018 12:21

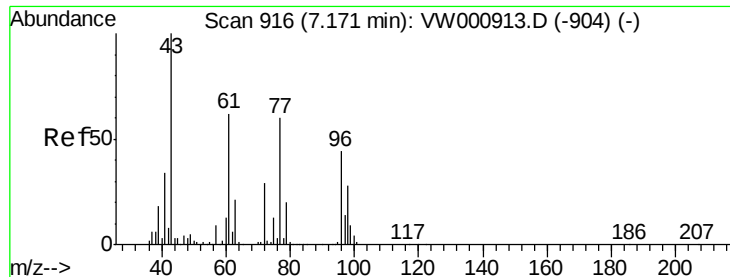
Tgt Ion: 77 Resp: 9251

Ion Ratio Lower Upper

77 100

97 16.8 11.8 35.3



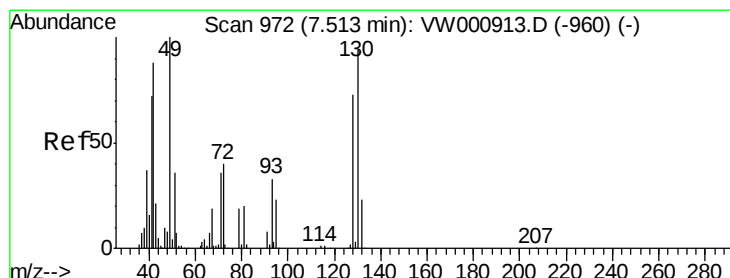
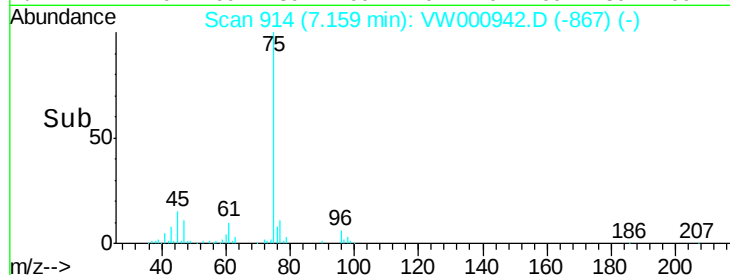
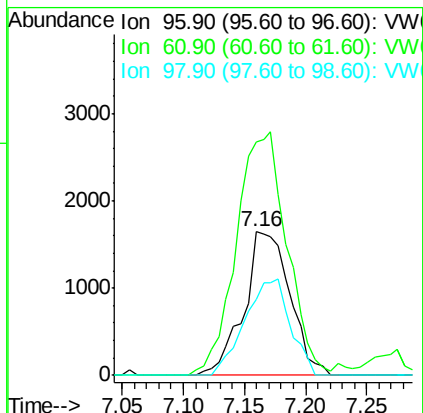
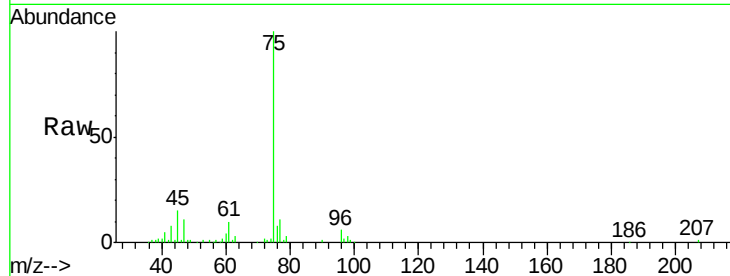


#27

cis-1,2-Dichloroethene
 Concen: 1.91 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

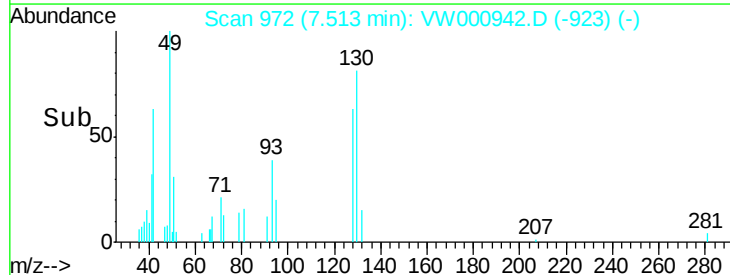
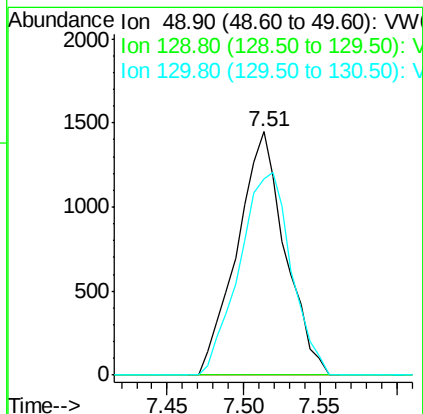
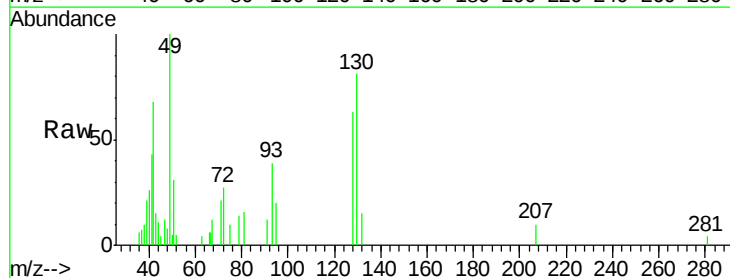
Tgt Ion: 96 Resp: 4332
 Ion Ratio Lower Upper
 96 100
 61 184.7 0.0 279.8
 98 65.8 0.0 127.6

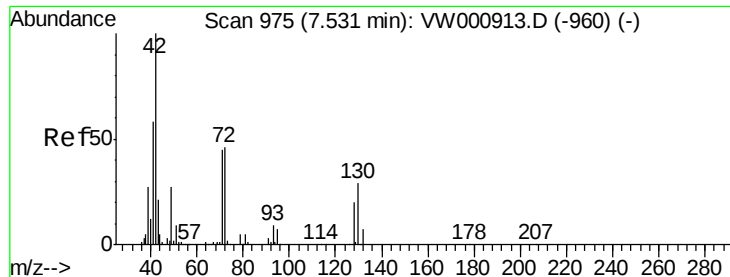


#28

Bromochloromethane
 Concen: 2.13 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 49 Resp: 3154
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.8
 130 90.3 73.8 110.6

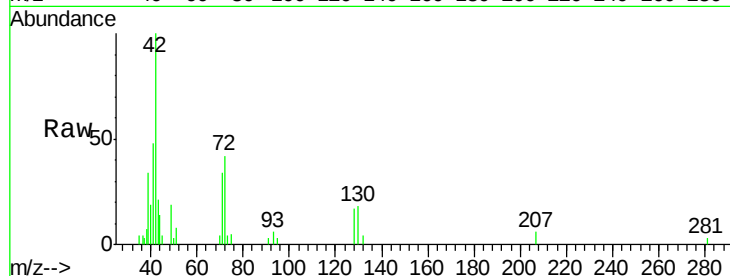




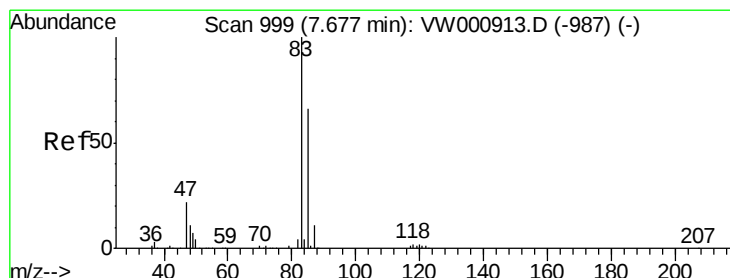
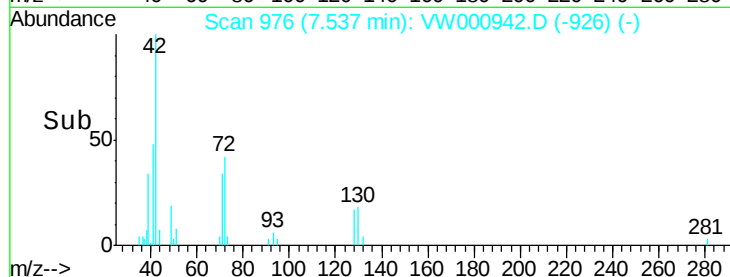
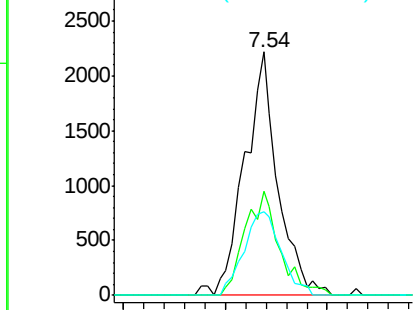
#29
Tetrahydrofuran
Concen: 9.25 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 42 Resp: 5027
Ion Ratio Lower Upper
42 100
72 44.8 37.1 55.7
71 38.4 34.9 52.3

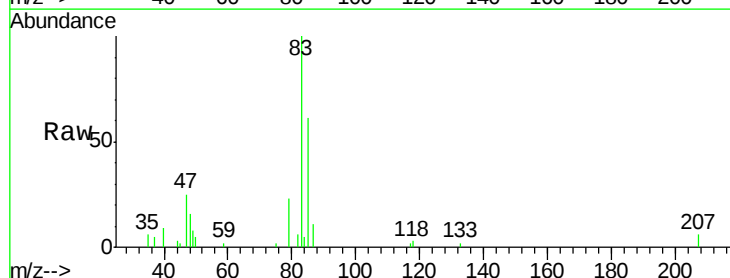


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

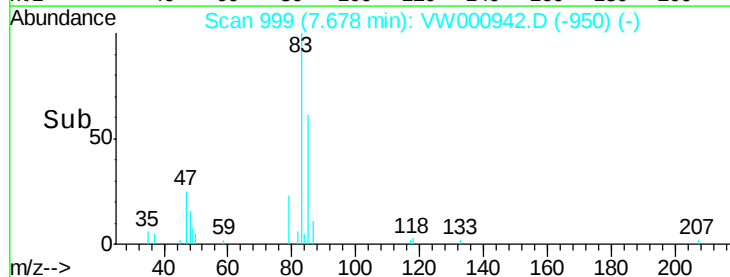
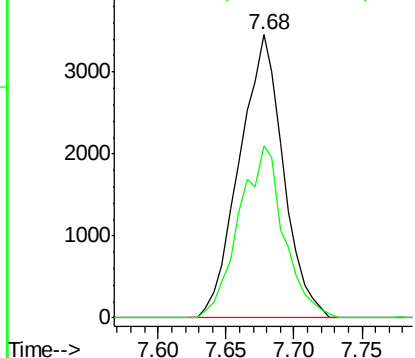


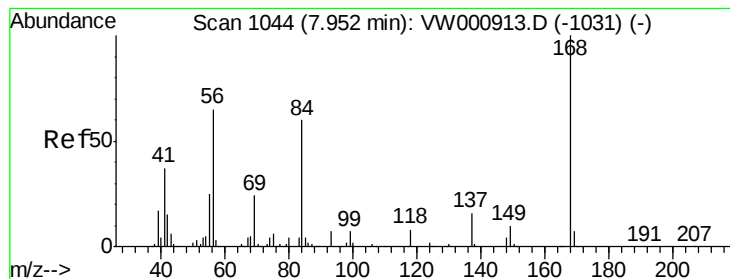
#30
Chloroform
Concen: 2.03 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 83 Resp: 7730
Ion Ratio Lower Upper
83 100
85 60.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 3.01 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

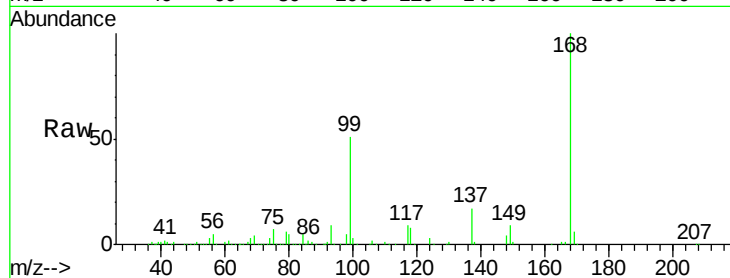
Tgt Ion: 56 Resp: 10934

Ion Ratio Lower Upper

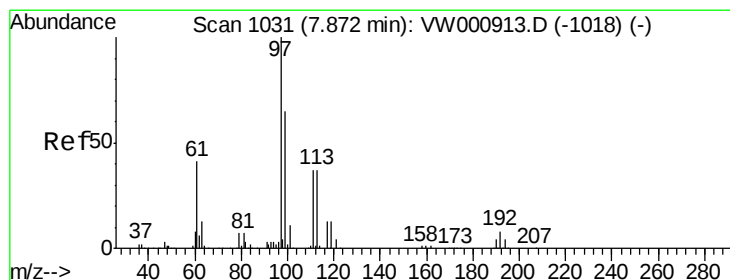
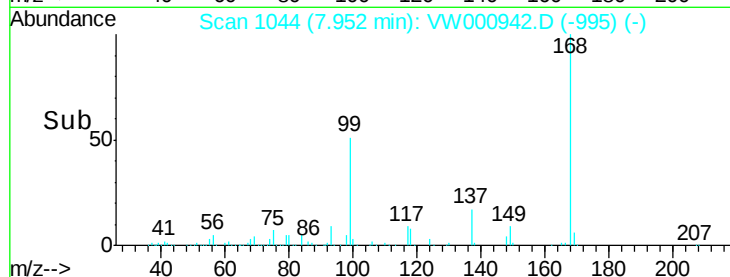
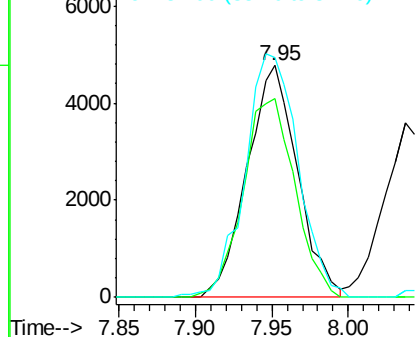
56 100

69 85.9 29.2 43.8#

84 102.2 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 1.95 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

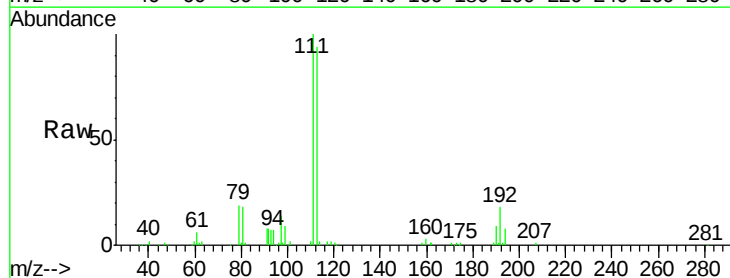
Tgt Ion: 97 Resp: 7180

Ion Ratio Lower Upper

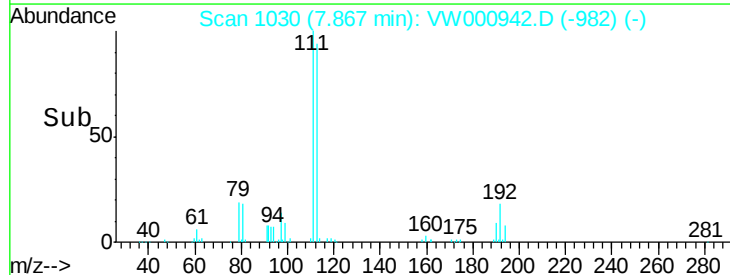
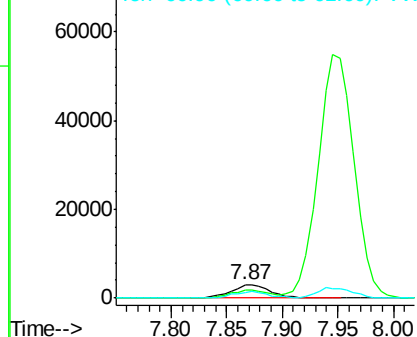
97 100

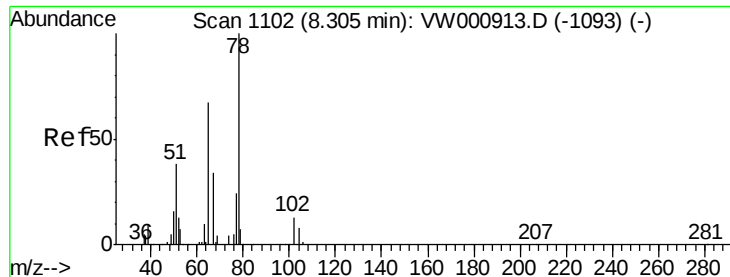
99 62.2 52.6 78.8

61 44.3 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

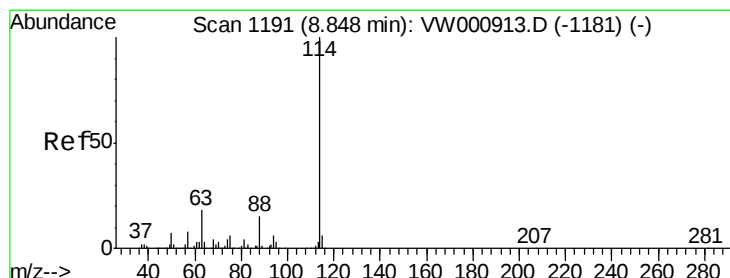
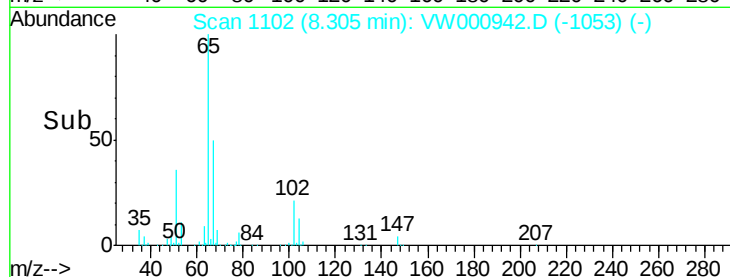
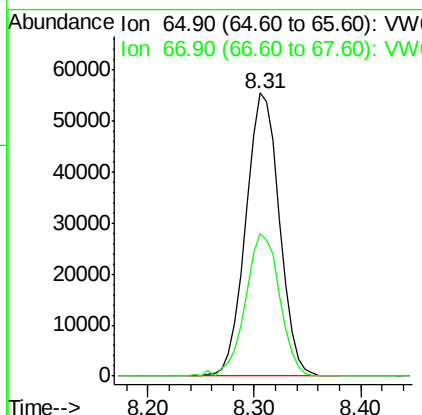
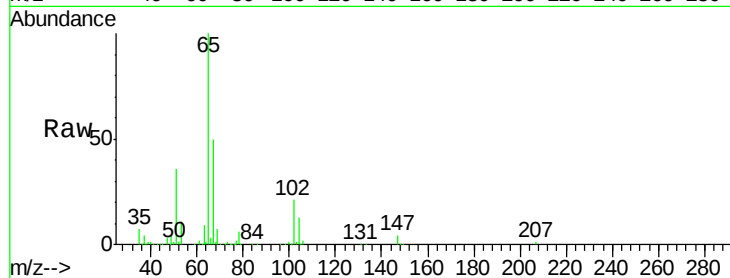




#33
 1,2-Dichloroethane-d4
 Concen: 55.31 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

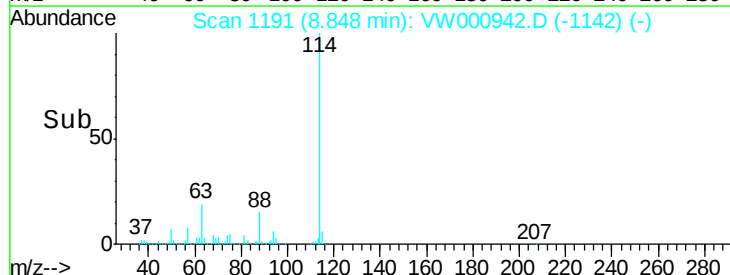
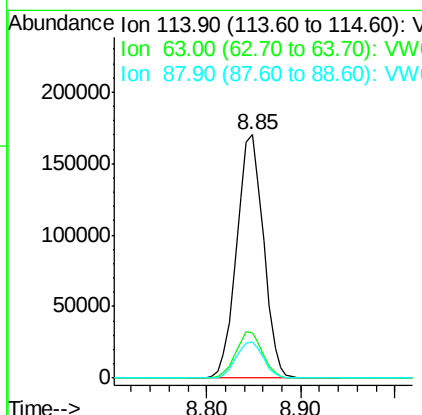
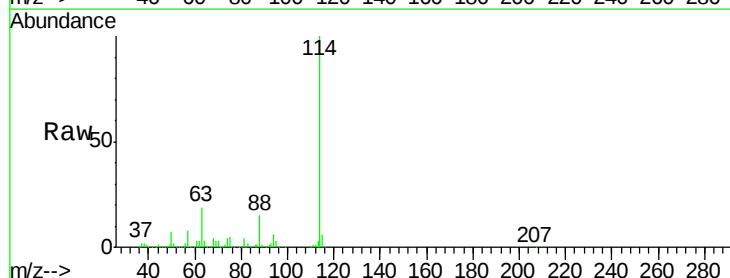
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

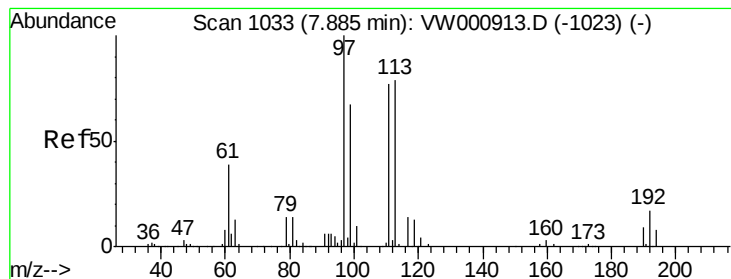
Tgt Ion: 65 Resp: 123471
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 114 Resp: 335802
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.54 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

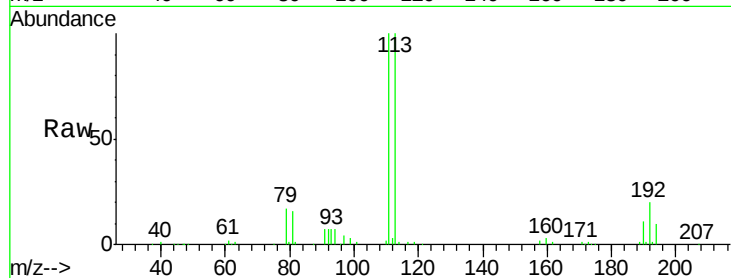
Tgt Ion:113 Resp: 101904

Ion Ratio Lower Upper

113 100

111 101.7 80.4 120.6

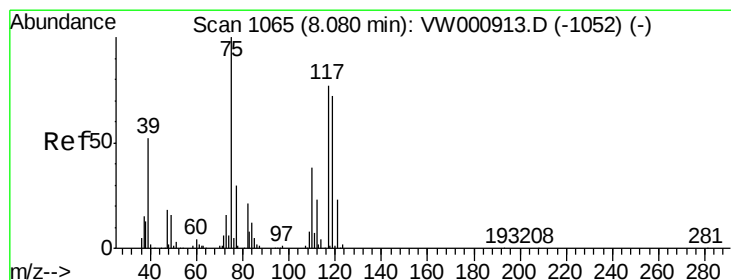
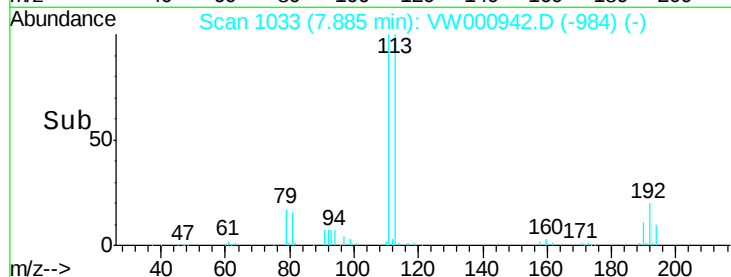
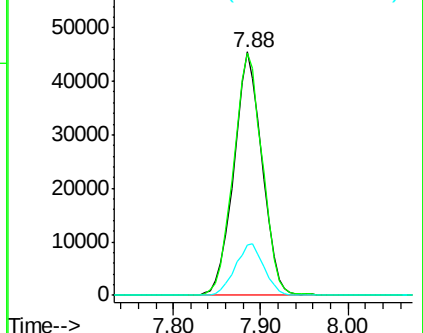
192 21.6 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.16 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

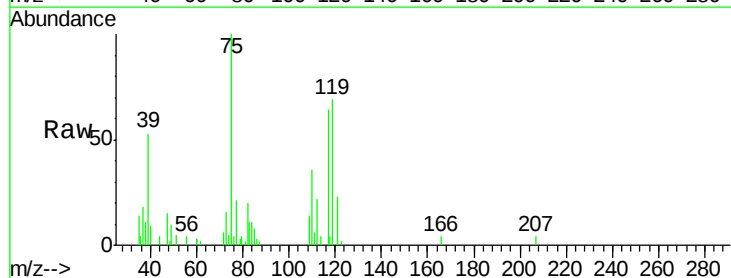
Tgt Ion: 75 Resp: 6931

Ion Ratio Lower Upper

75 100

110 31.3 18.6 56.0

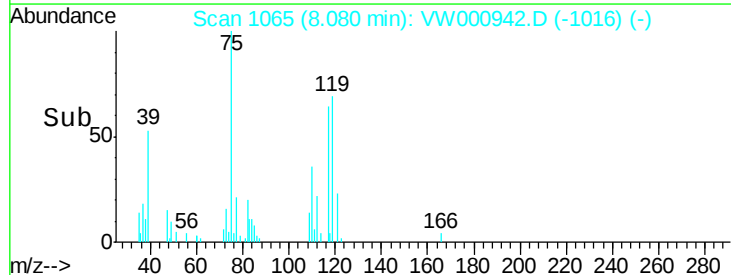
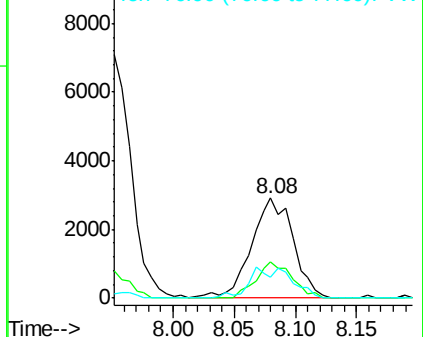
77 16.3 24.6 36.8#

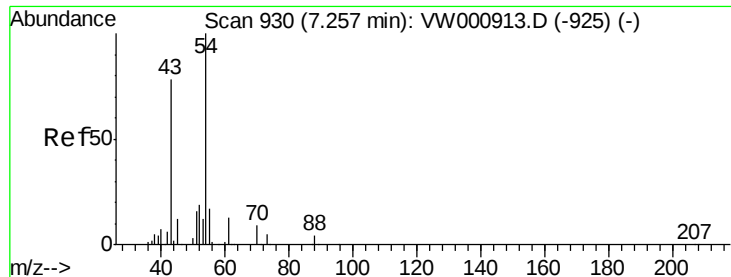


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

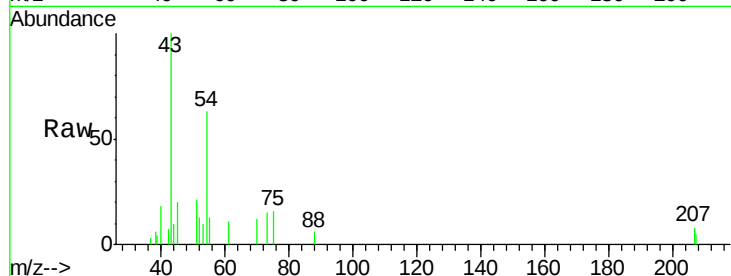




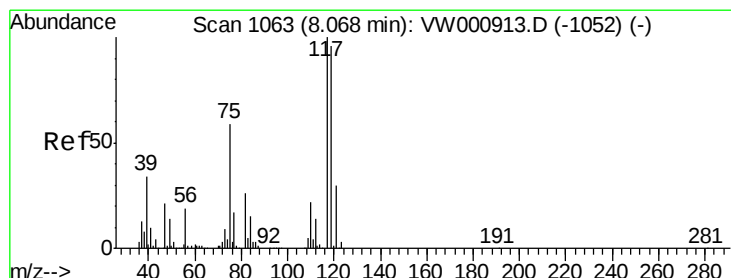
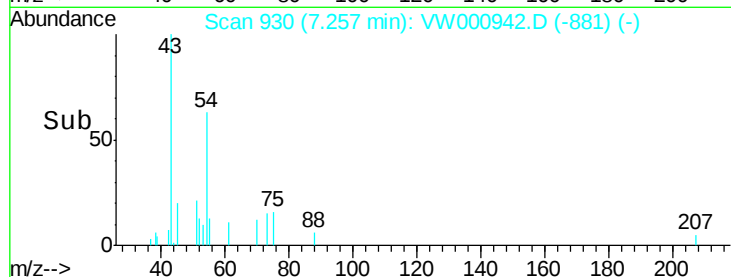
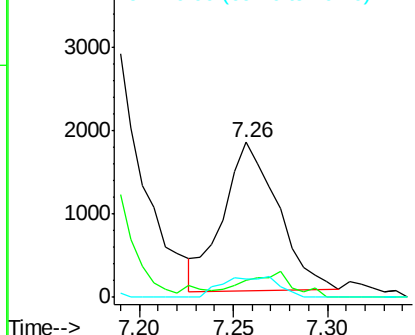
#37
Ethyl Acetate
Concen: 1.99 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 43 Resp: 3597
Ion Ratio Lower Upper
43 100
61 15.3 12.1 18.1
70 14.2 9.1 13.7#

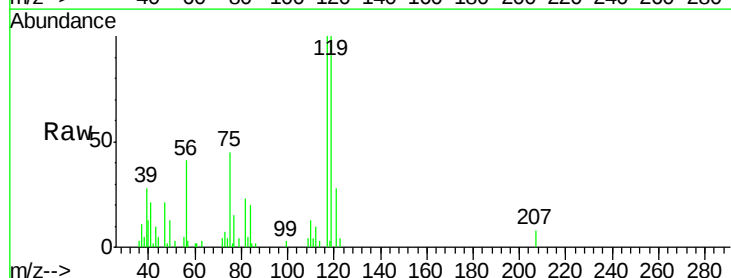


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

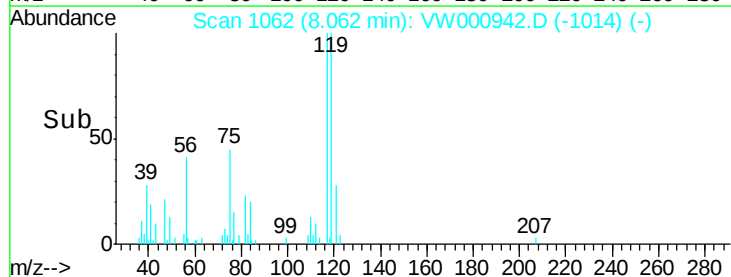
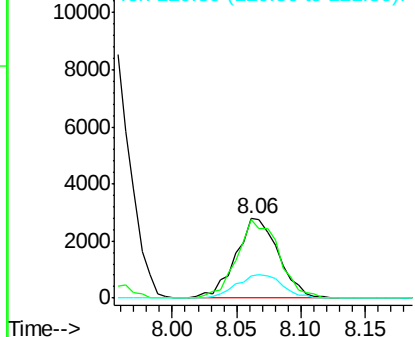


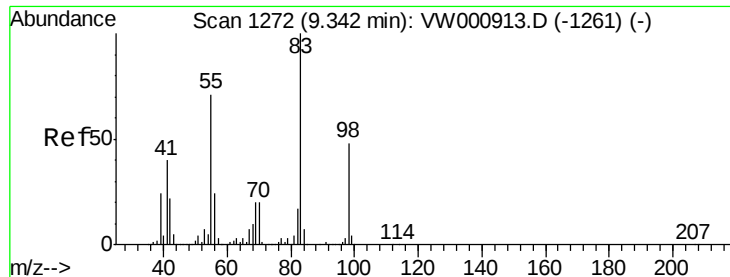
#38
Carbon Tetrachloride
Concen: 1.82 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 117 Resp: 6443
Ion Ratio Lower Upper
117 100
119 99.7 76.5 114.7
121 28.4 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

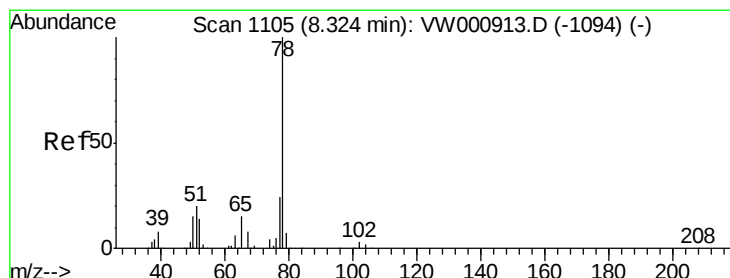
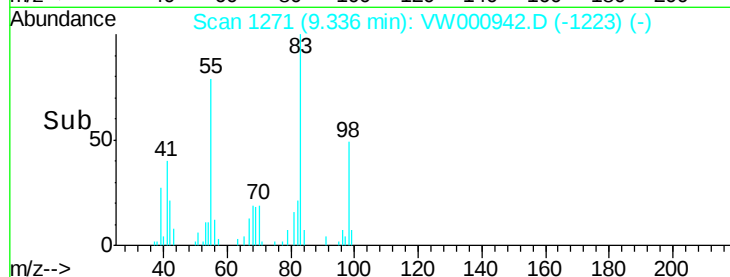
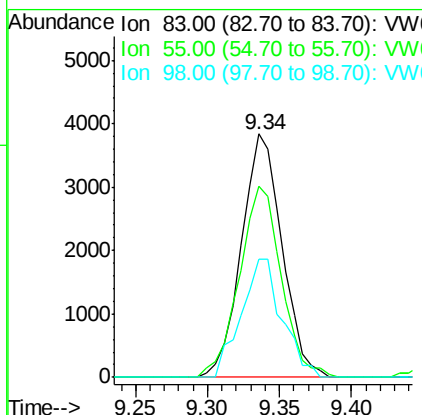
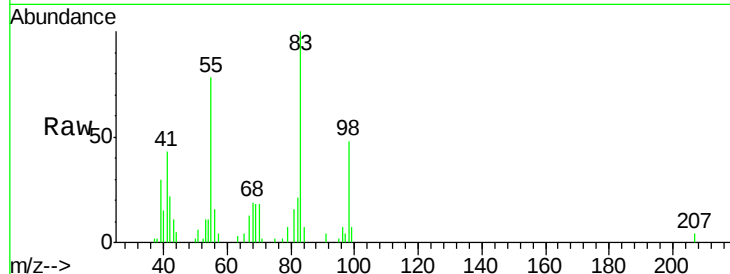




#39
Methylcyclohexane
Concen: 1.94 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

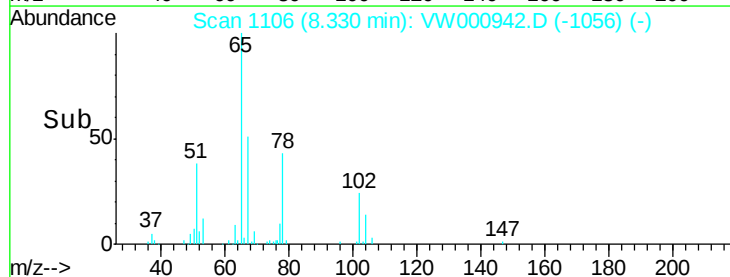
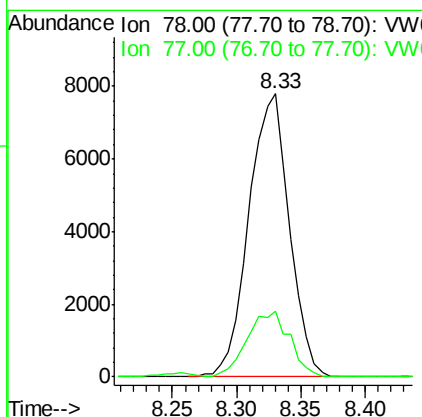
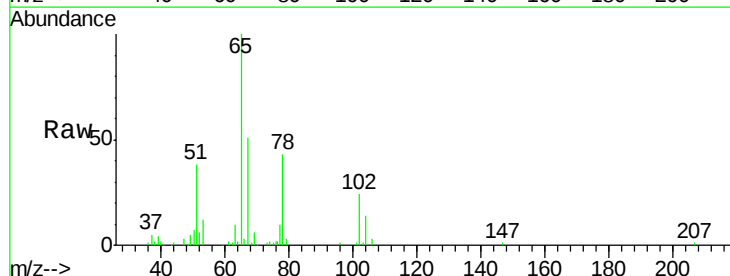
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

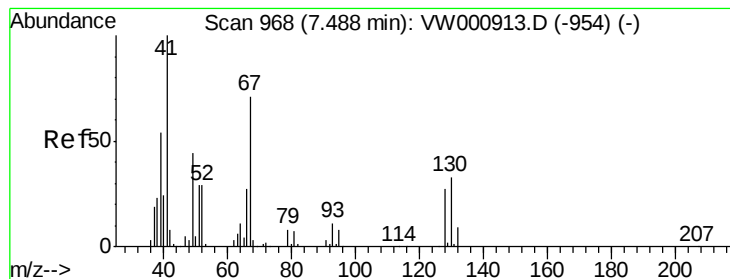
Tgt Ion: 83 Resp: 7489
Ion Ratio Lower Upper
83 100
55 78.3 56.4 84.6
98 48.5 38.2 57.4



#40
Benzene
Concen: 1.95 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 78 Resp: 16950
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 1.50 ug/l

RT: 7.49 min Scan# 969

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 41 Resp: 1518

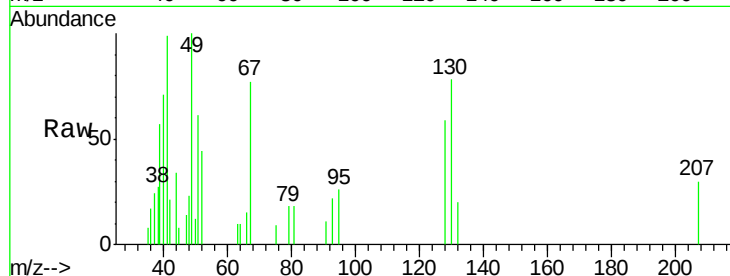
Ion Ratio Lower Upper

41 100

39 90.5 43.4 65.0#

67 88.4 59.0 88.4

52 39.5 24.6 36.8#

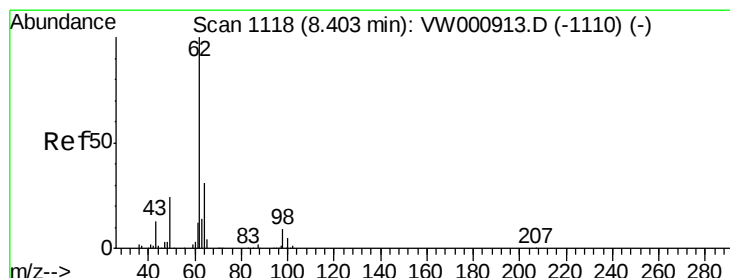
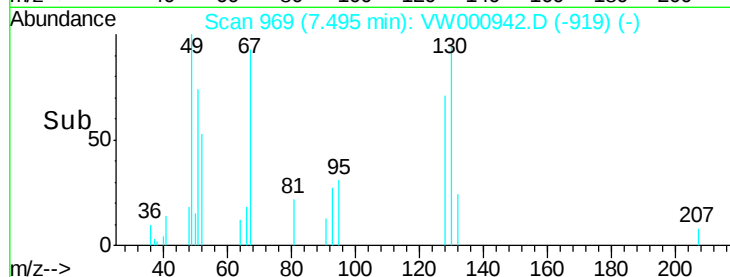
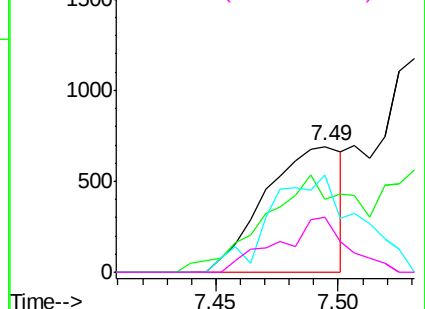


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 1.88 ug/l

RT: 8.40 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VW000942.D

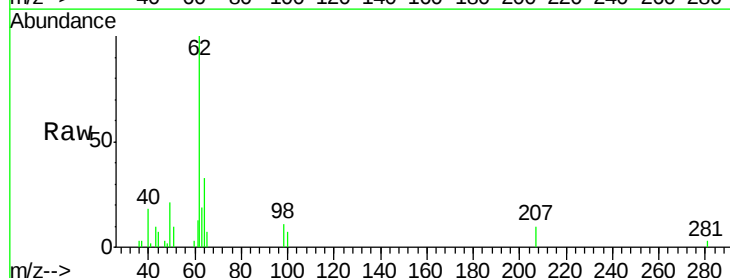
Acq: 24 Jan 2018 12:21

Tgt Ion: 62 Resp: 5054

Ion Ratio Lower Upper

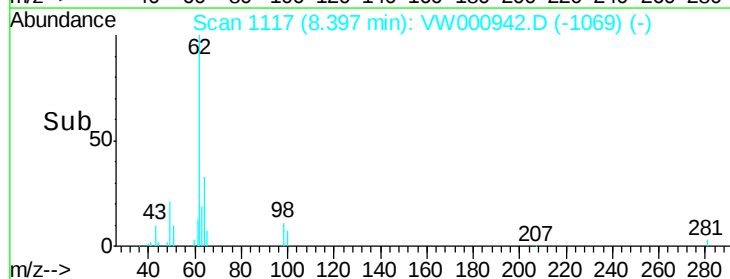
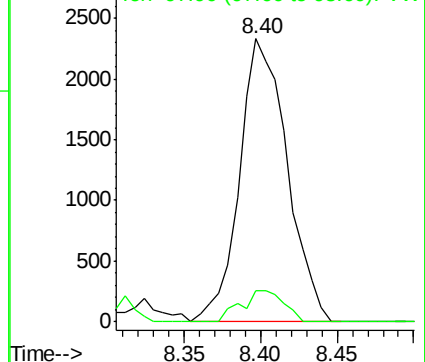
62 100

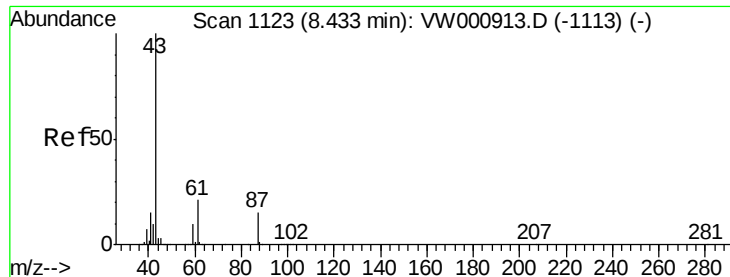
98 9.8 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 1.83 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

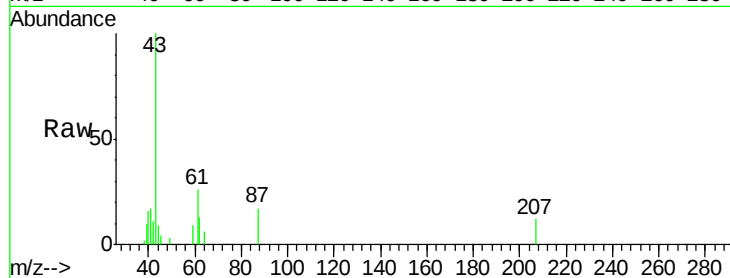
Tgt Ion: 43 Resp: 5620

Ion Ratio Lower Upper

43 100

61 32.4 23.6 35.4

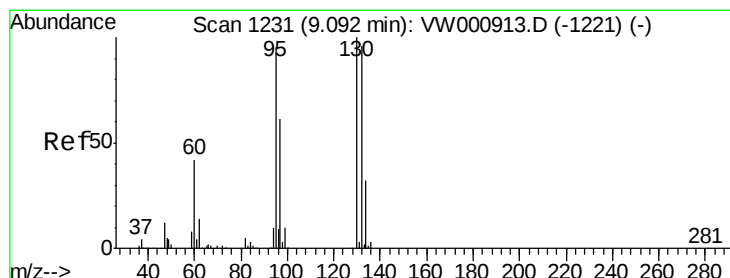
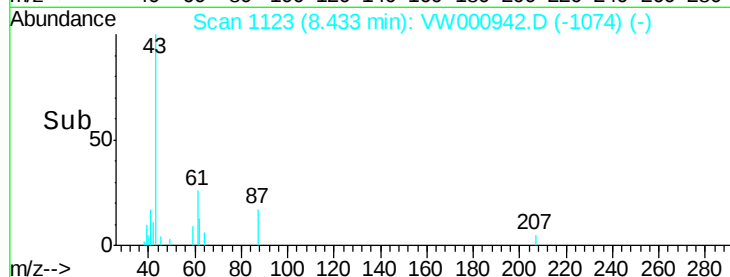
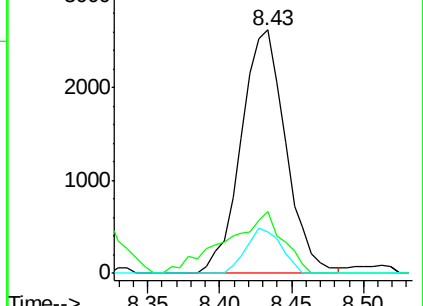
87 14.4 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 2.10 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW000942.D

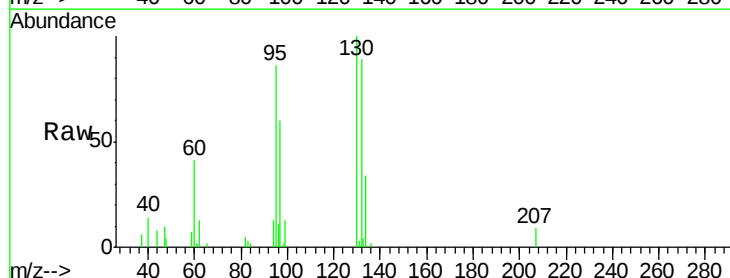
Acq: 24 Jan 2018 12:21

Tgt Ion: 130 Resp: 5430

Ion Ratio Lower Upper

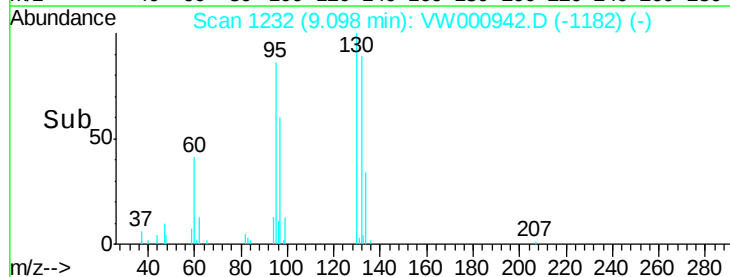
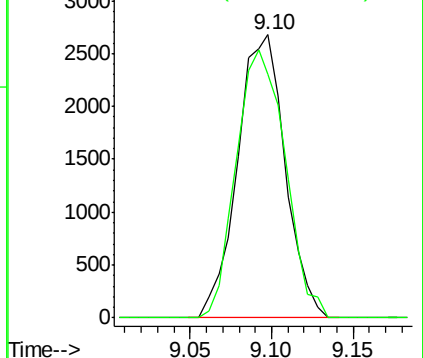
130 100

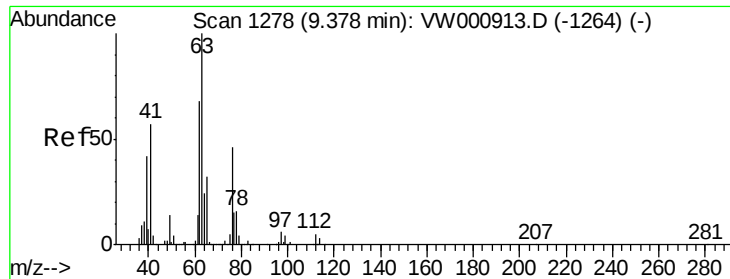
95 86.2 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

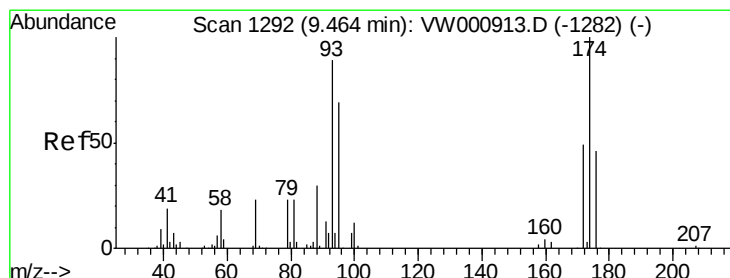
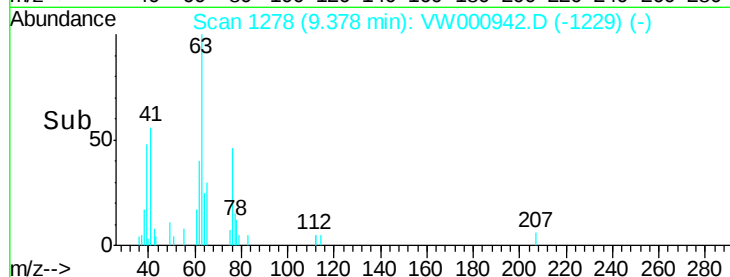
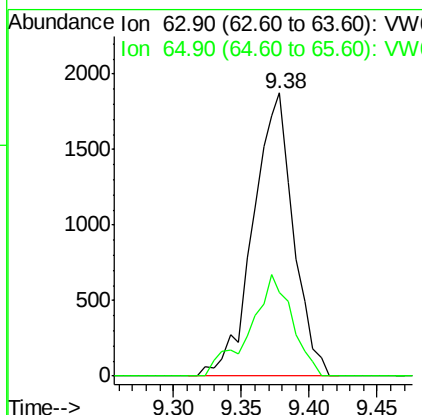
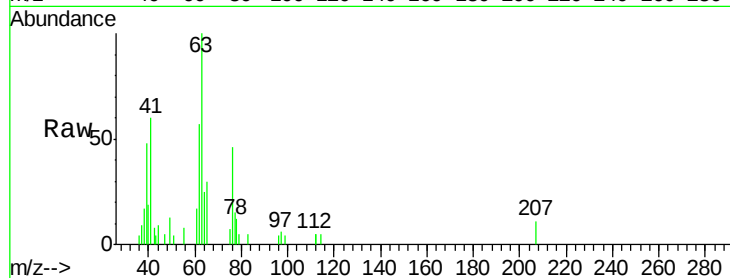




#45
 1,2-Dichloropropane
 Concen: 1.91 ug/l
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

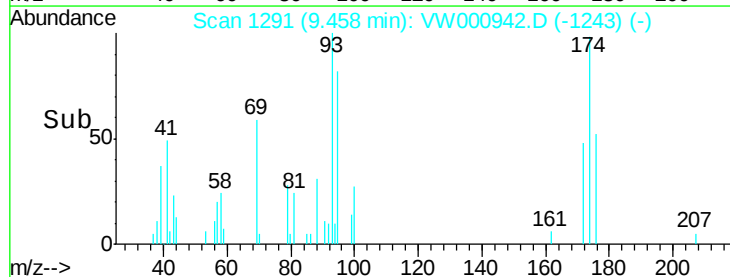
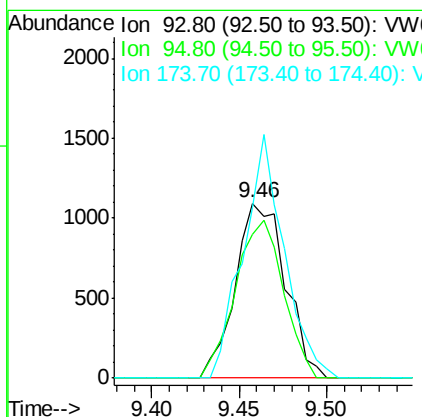
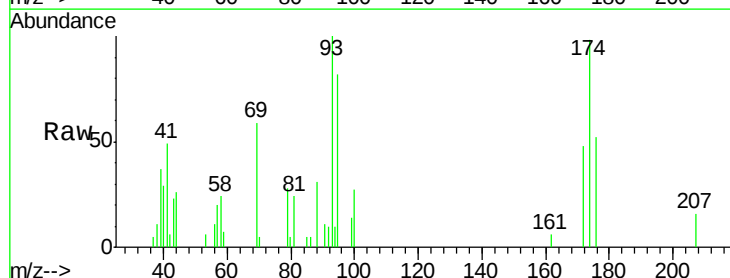
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

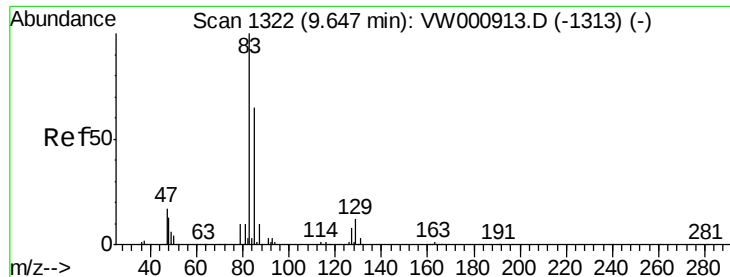
Tgt Ion: 63 Resp: 3875
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8



#46
 Dibromomethane
 Concen: 1.69 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 93 Resp: 2190
 Ion Ratio Lower Upper
 93 100
 95 86.2 65.8 98.6
 174 113.7 89.0 133.6





#47

Bromodichloromethane

Concen: 1.66 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

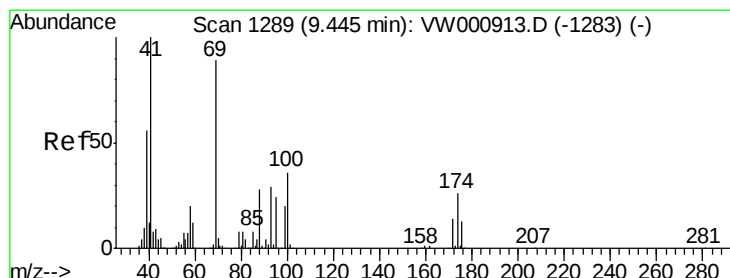
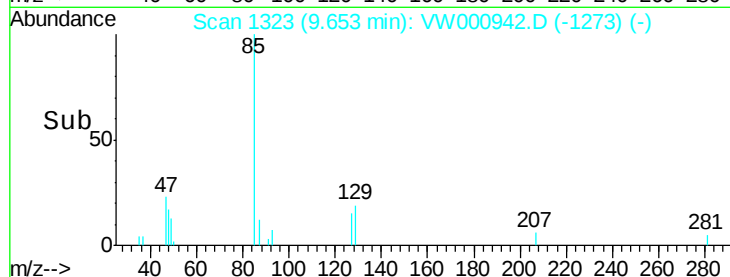
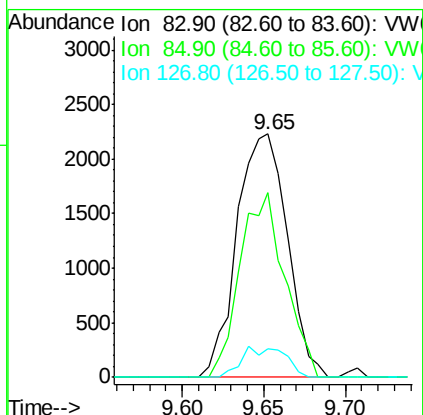
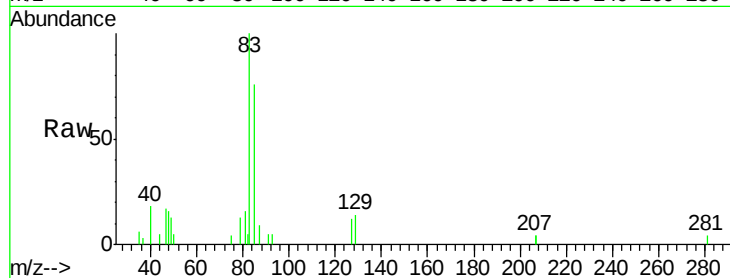
Tgt Ion: 83 Resp: 4774

Ion Ratio Lower Upper

83 100

85 76.1 52.0 78.0

127 11.7 6.8 10.2#



#48

Methyl methacrylate

Concen: 1.81 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

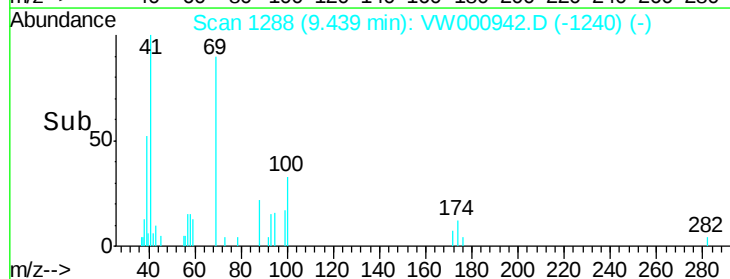
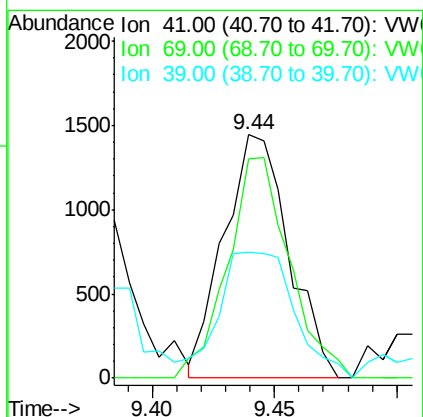
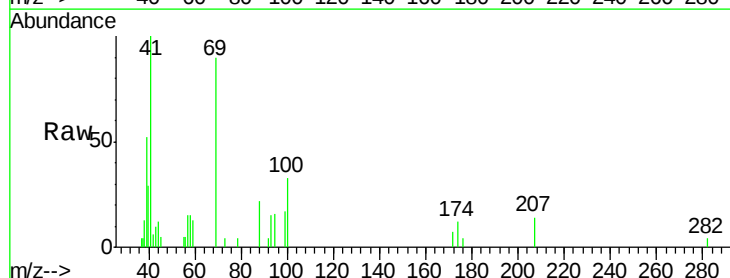
Tgt Ion: 41 Resp: 2666

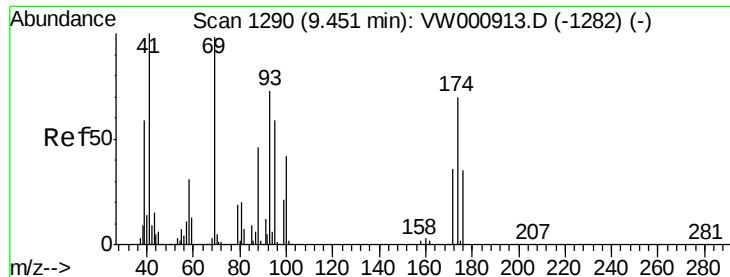
Ion Ratio Lower Upper

41 100

69 87.1 72.9 109.3

39 60.4 48.4 72.6

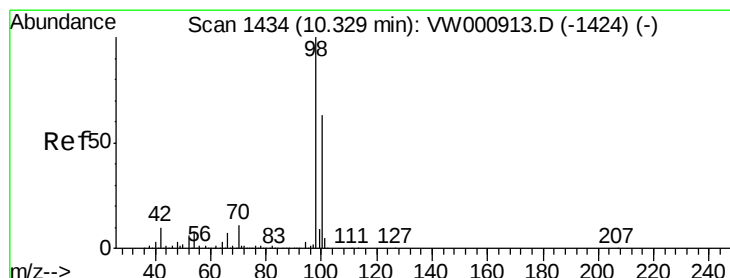
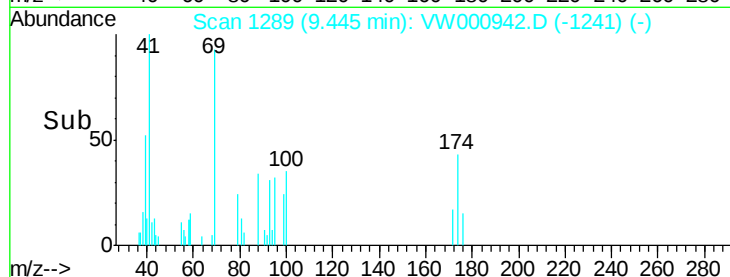
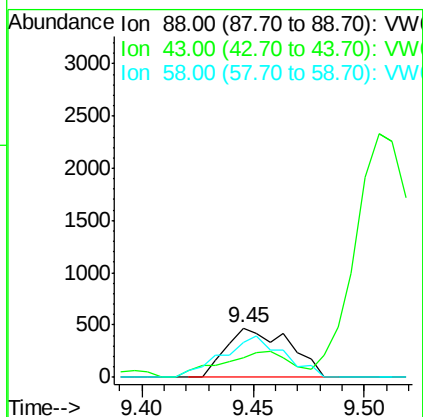
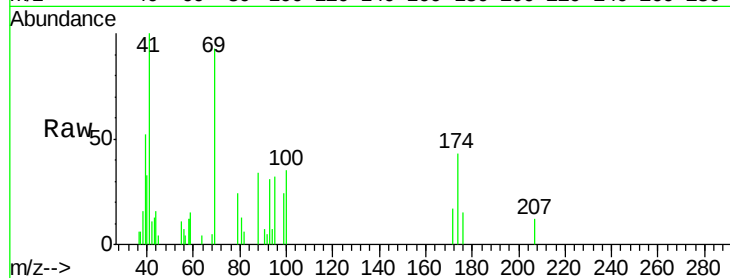




#49
1,4-Dioxane
Concen: 32.84 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

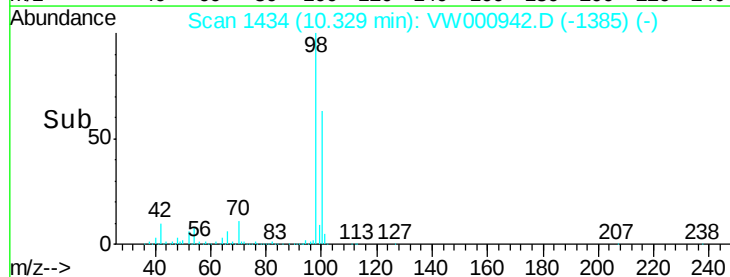
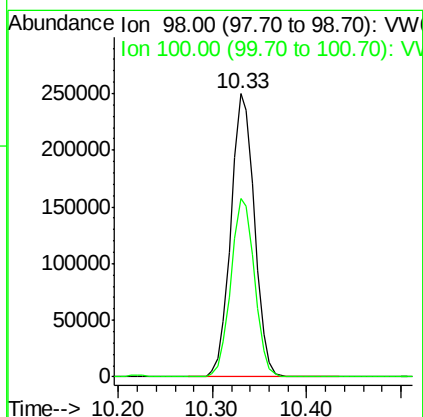
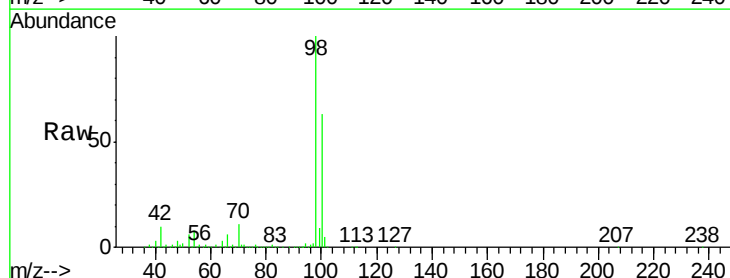
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

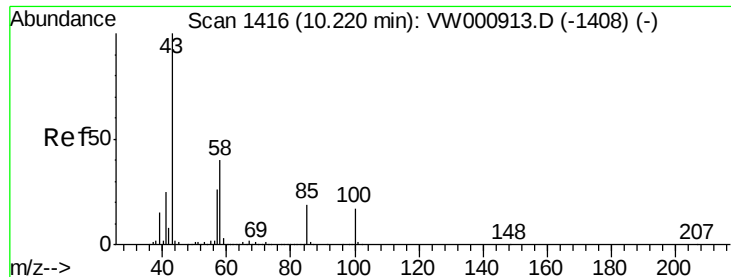
Tgt Ion: 88 Resp: 932
Ion Ratio Lower Upper
88 100
43 57.9 24.5 36.7#
58 80.5 54.7 82.1



#50
Toluene-d8
Concen: 53.34 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 98 Resp: 432584
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2

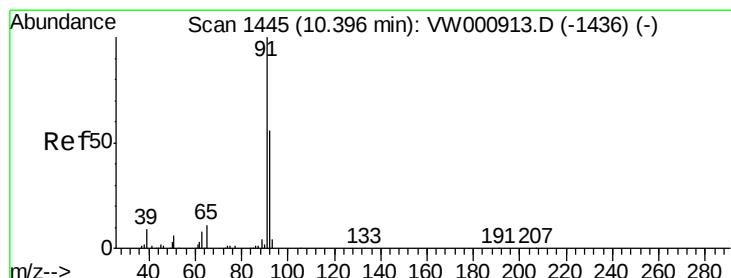
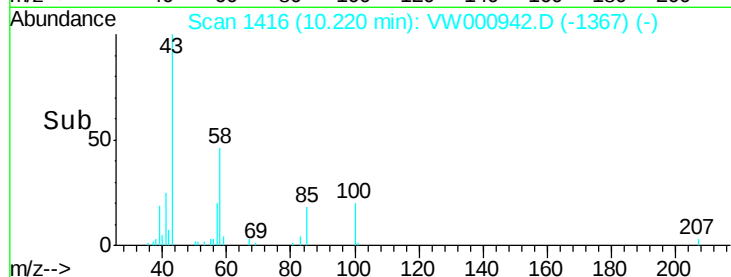
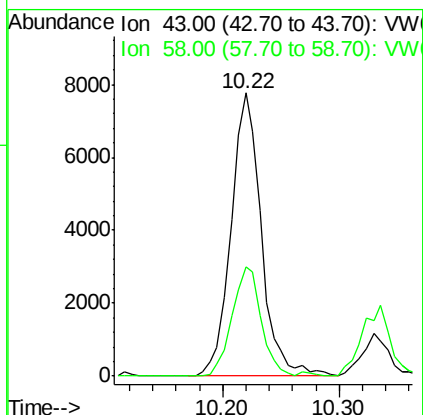
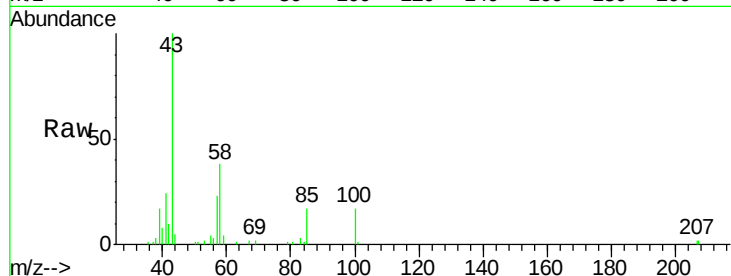




#51
 4-Methyl-2-Pentanone
 Concen: 7.96 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

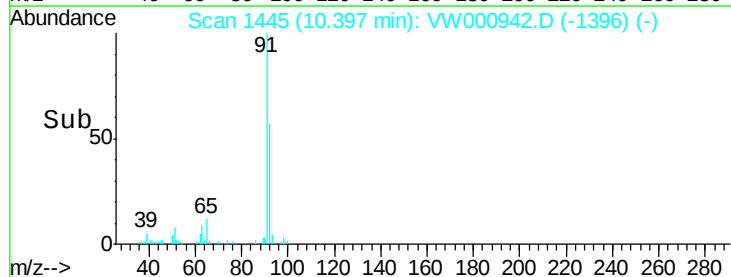
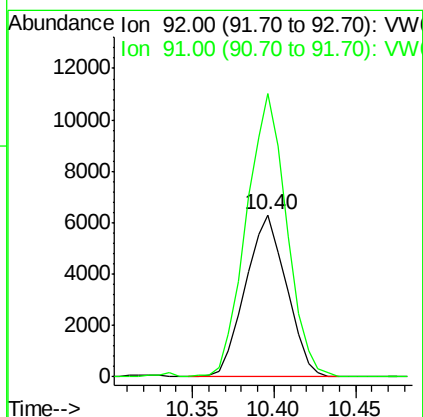
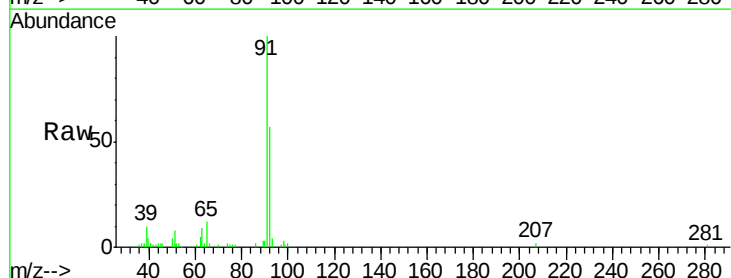
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

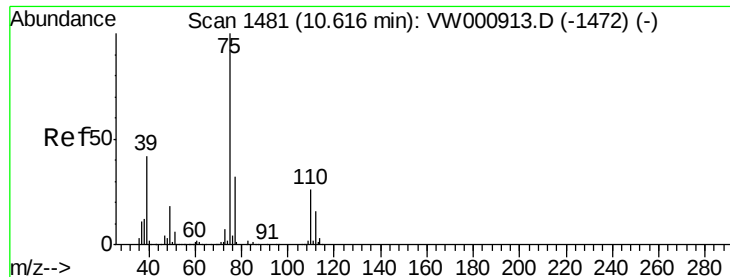
Tgt Ion: 43 Resp: 14048
 Ion Ratio Lower Upper
 43 100
 58 37.0 32.0 48.0



#52
 Toluene
 Concen: 2.01 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 92 Resp: 11069
 Ion Ratio Lower Upper
 92 100
 91 170.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 1.66 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

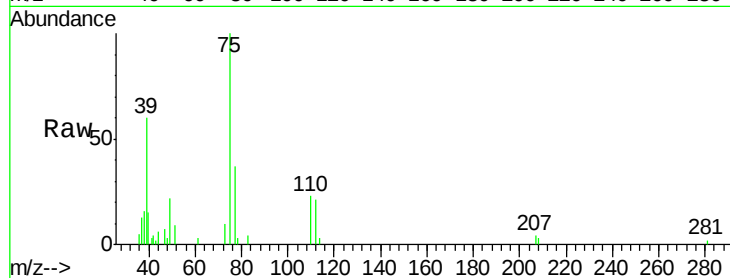
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 75 Resp: 4843

Ion Ratio Lower Upper

75 100

77 34.0 25.7 38.5

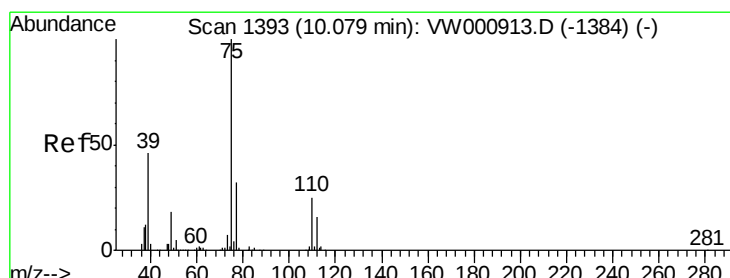
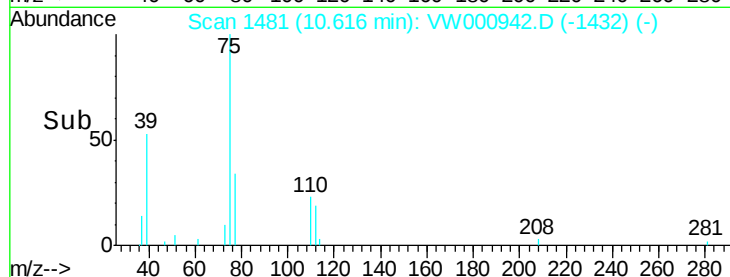


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.62

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.56 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

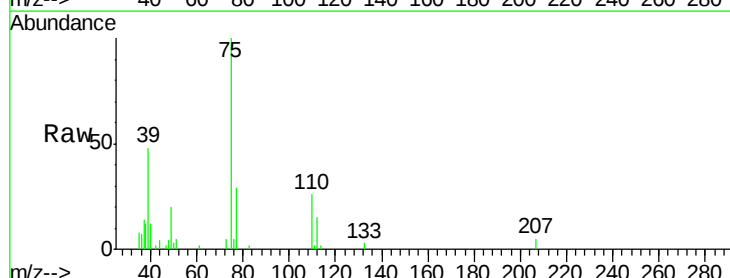
Tgt Ion: 75 Resp: 4989

Ion Ratio Lower Upper

75 100

77 28.7 25.3 37.9

39 48.4 37.0 55.6



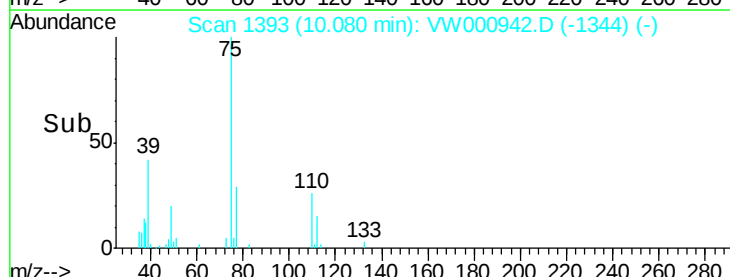
Abundance Ion 74.90 (74.60 to 75.60): VW

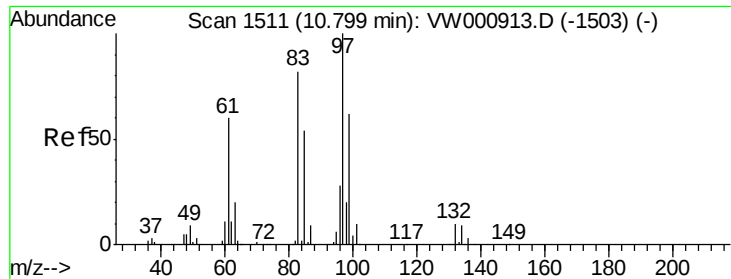
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.08

Time-->





#55

1,1,2-Trichloroethane

Concen: 1.83 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 97 Resp: 3315

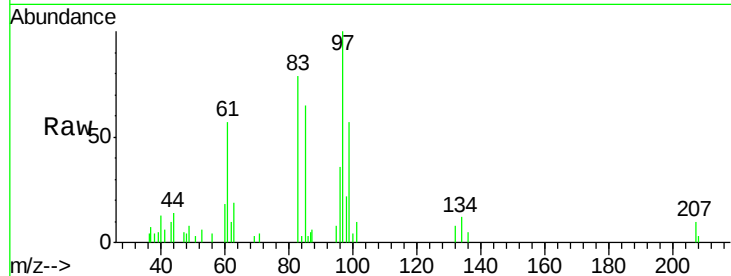
Ion Ratio Lower Upper

97 100

83 78.6 65.2 97.8

85 64.9 43.1 64.7#

99 57.2 49.3 73.9

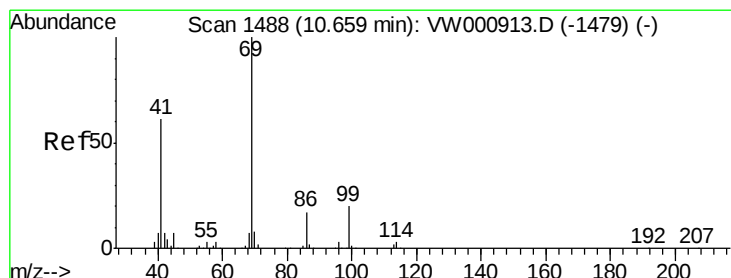
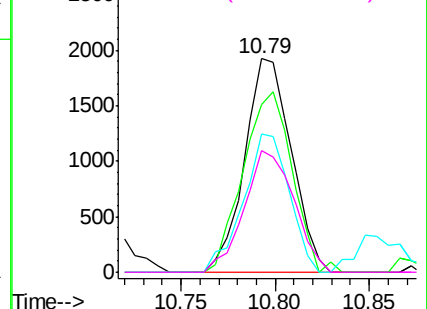
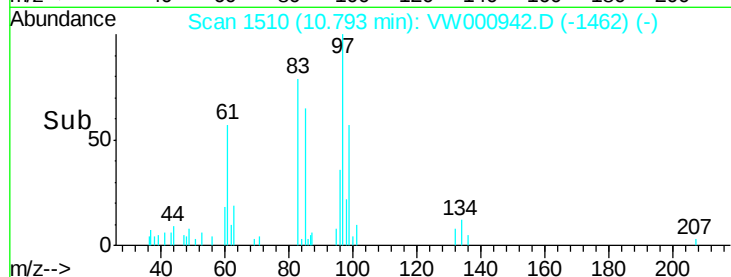


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.55 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

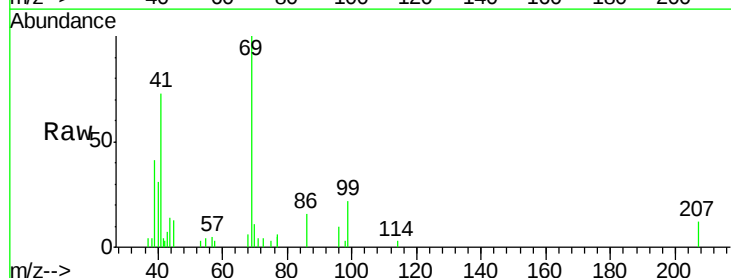
Tgt Ion: 69 Resp: 3394

Ion Ratio Lower Upper

69 100

41 77.8 50.3 75.5#

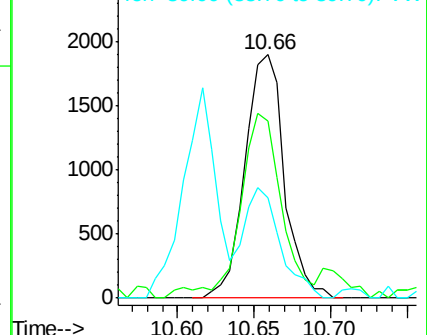
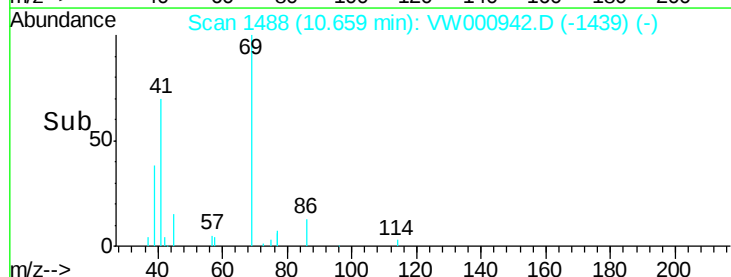
39 42.5 28.6 42.8

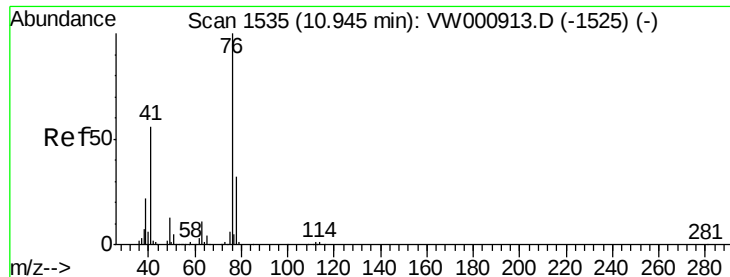


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

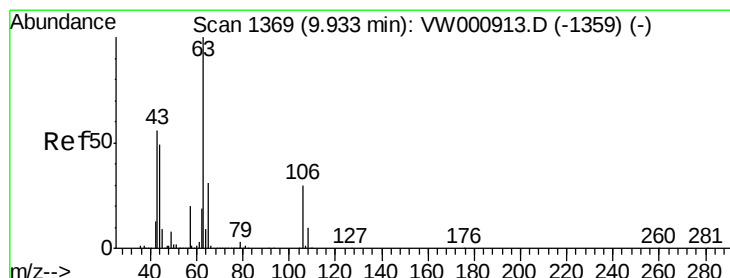
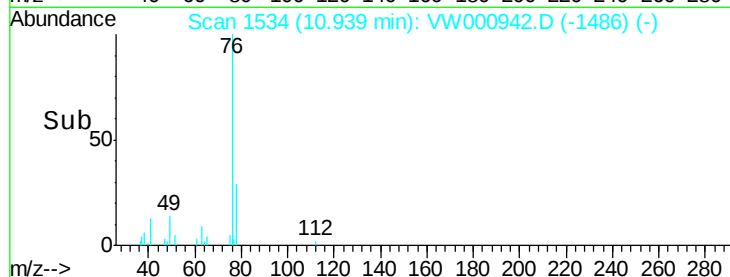
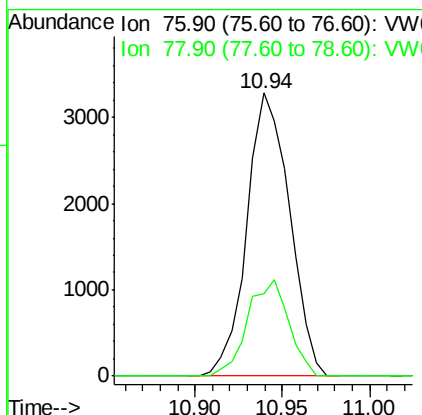
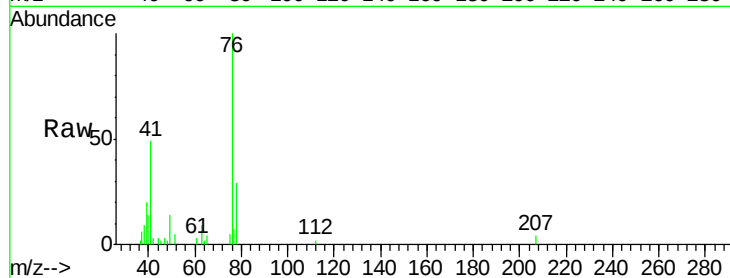




#57
 1,3-Dichloropropane
 Concen: 1.88 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

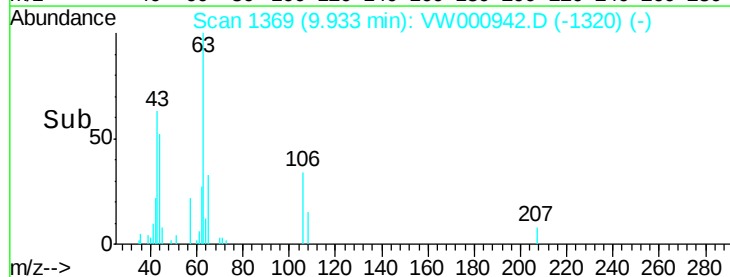
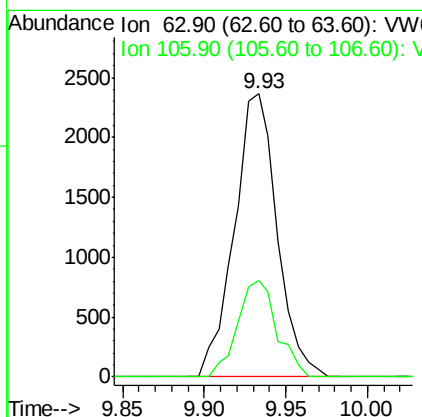
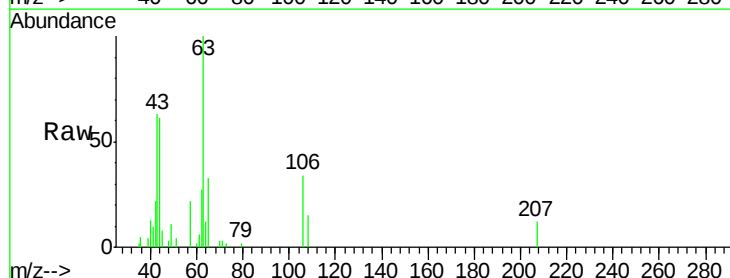
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

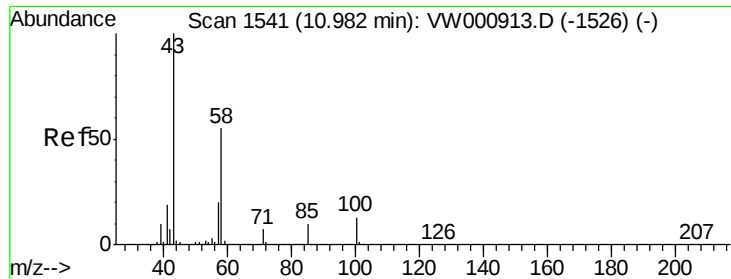
Tgt Ion: 76 Resp: 5562
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.65 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 63 Resp: 4308
 Ion Ratio Lower Upper
 63 100
 106 31.4 23.8 35.8

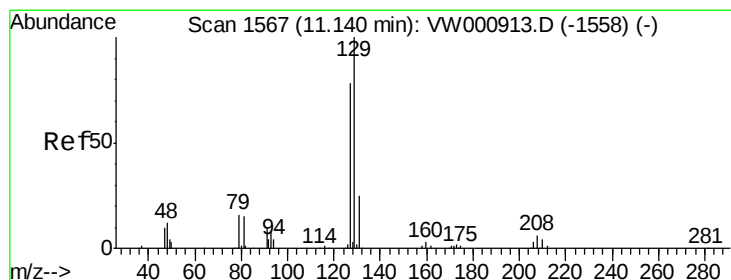
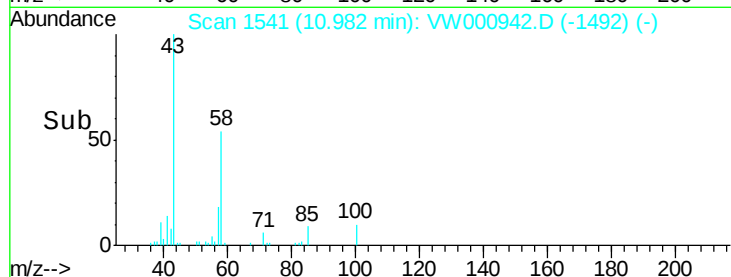
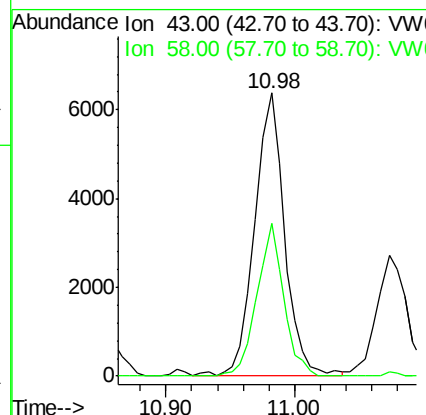
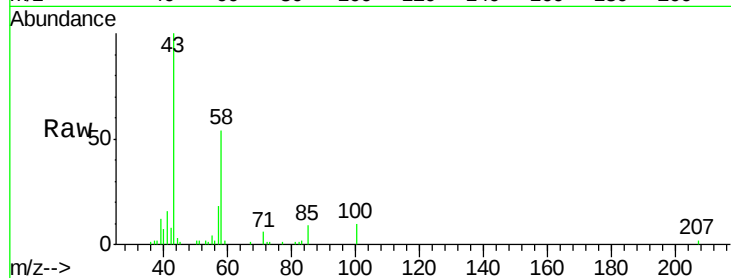




#59
2-Hexanone
Concen: 20.87 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

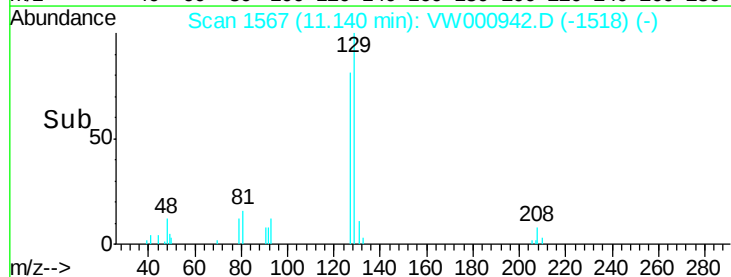
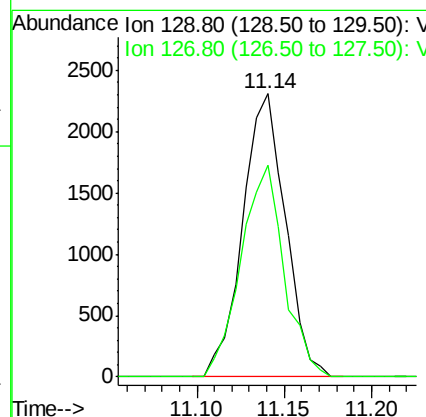
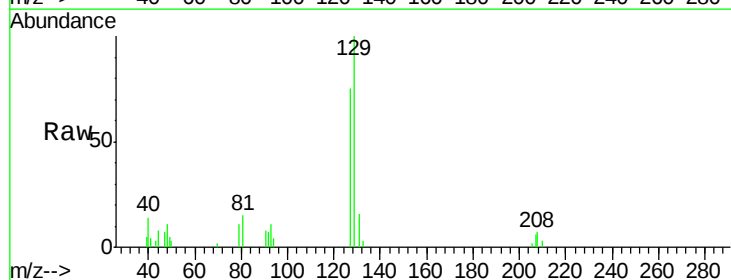
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

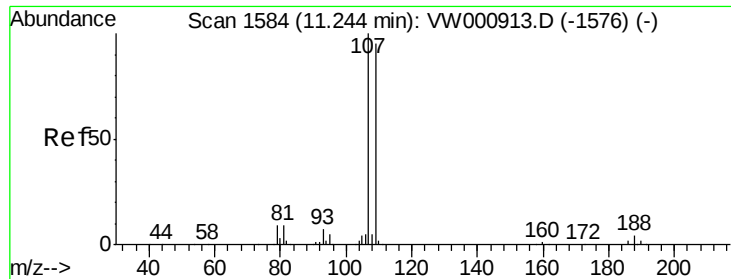
Tgt Ion: 43 Resp: 10207
Ion Ratio Lower Upper
43 100
58 48.2 27.4 82.2



#60
Dibromochloromethane
Concen: 1.79 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 129 Resp: 3918
Ion Ratio Lower Upper
129 100
127 75.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 1.72 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

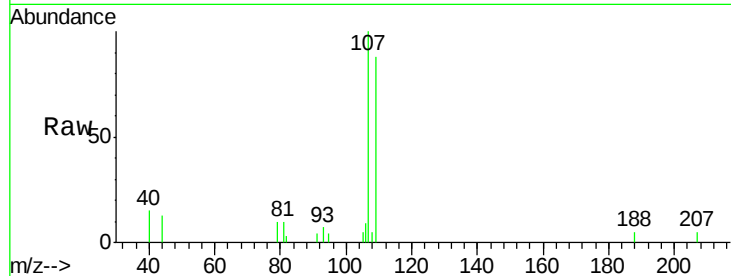
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion: 107 Resp: 3244

Ion Ratio Lower Upper

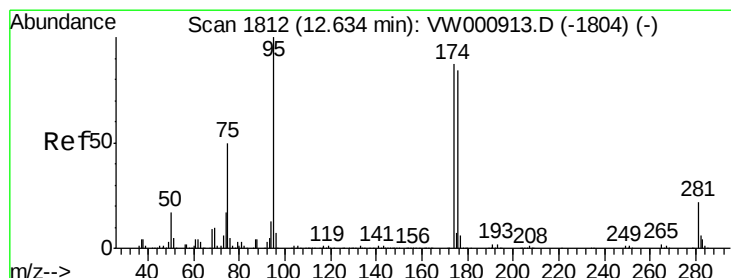
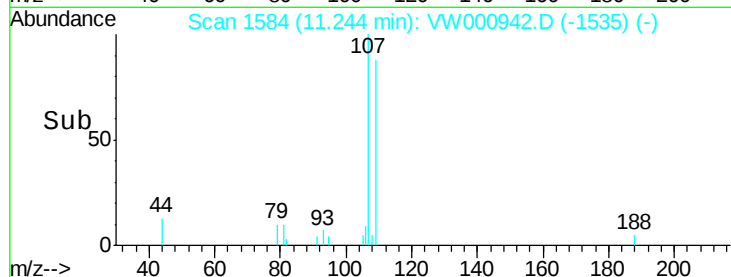
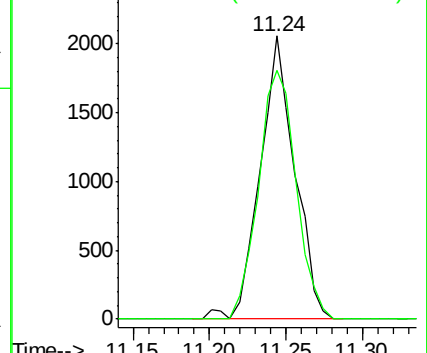
107 100

109 95.4 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.67 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

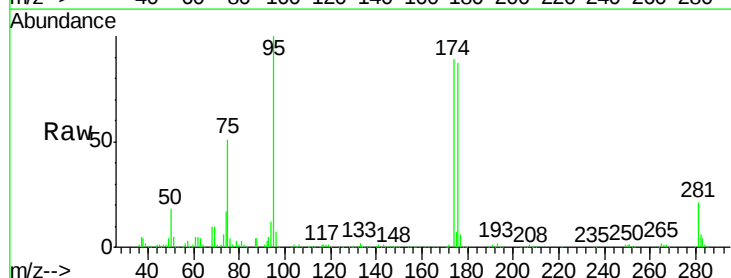
Tgt Ion: 95 Resp: 146709

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

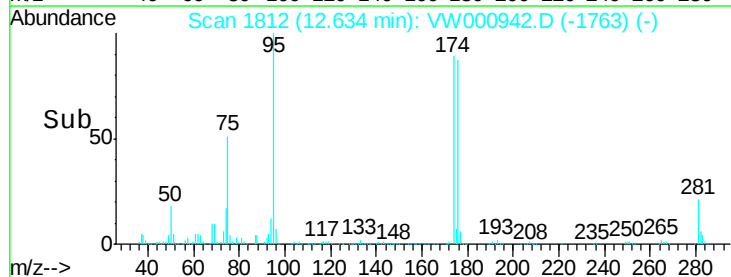
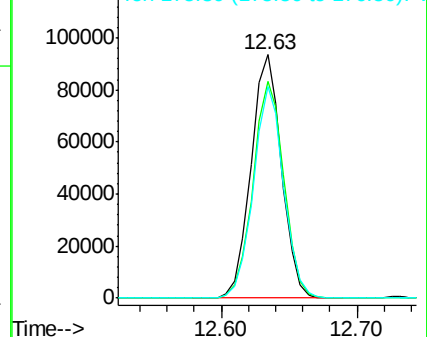
176 86.1 0.0 171.8

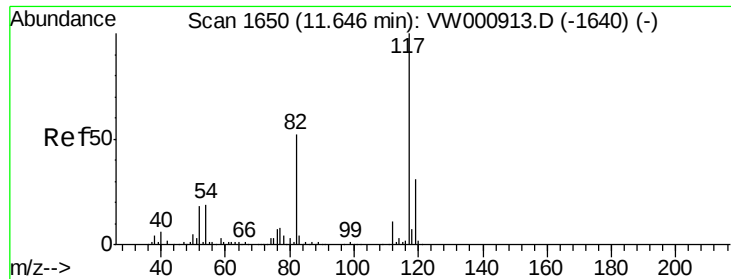


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

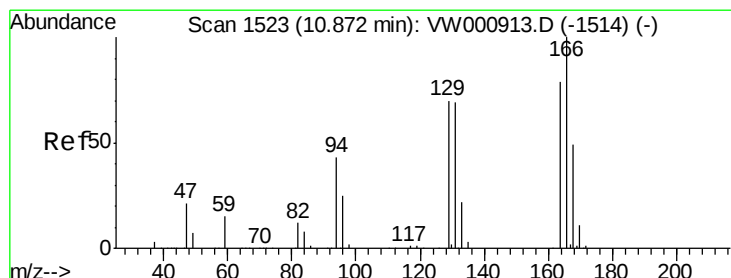
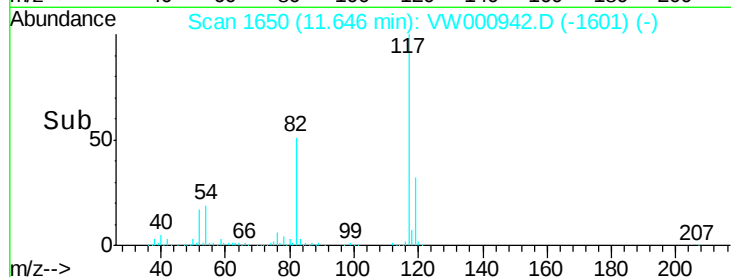
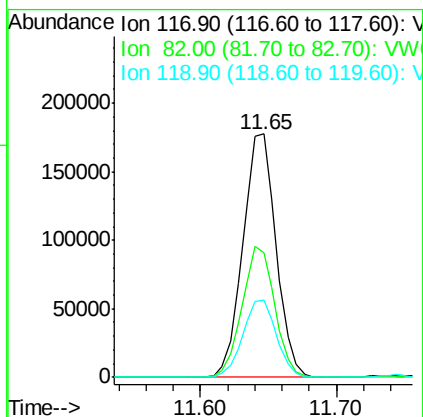
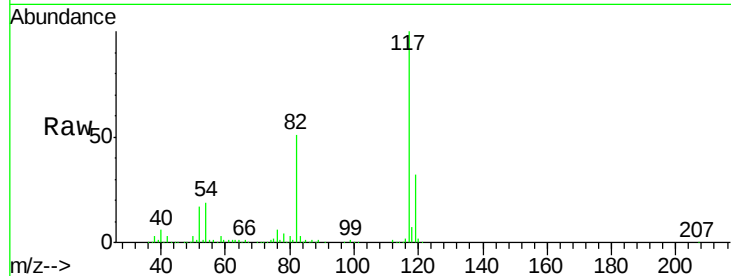




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

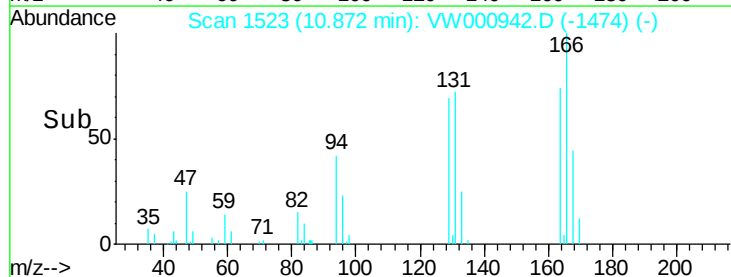
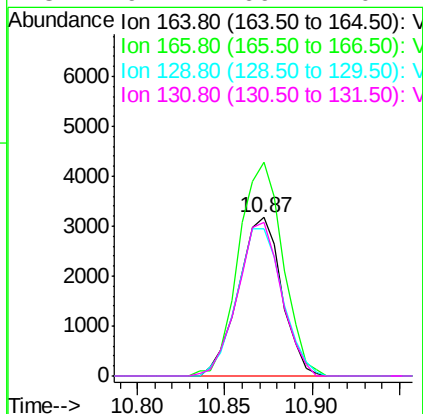
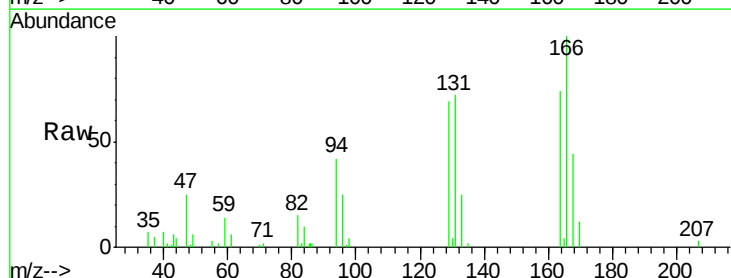
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

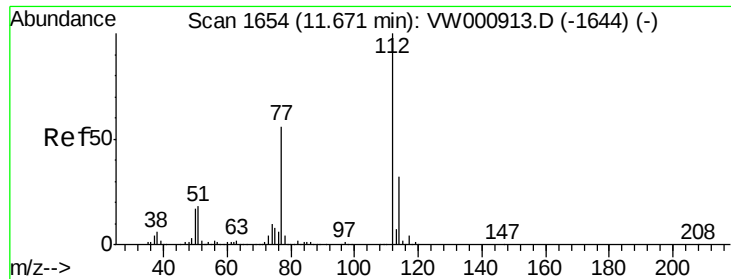
Tgt Ion:117 Resp: 302709
Ion Ratio Lower Upper
117 100
82 51.0 41.8 62.6
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 2.17 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion:164 Resp: 5443
Ion Ratio Lower Upper
164 100
166 134.9 100.9 151.3
129 93.3 70.5 105.7
131 97.4 69.4 104.2





#65

Chlorobenzene

Concen: 1.89 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

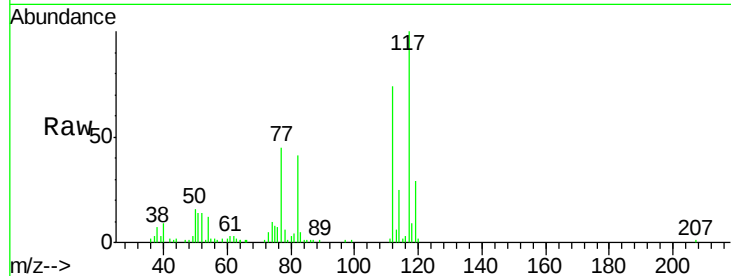
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:112 Resp: 11757

Ion Ratio Lower Upper

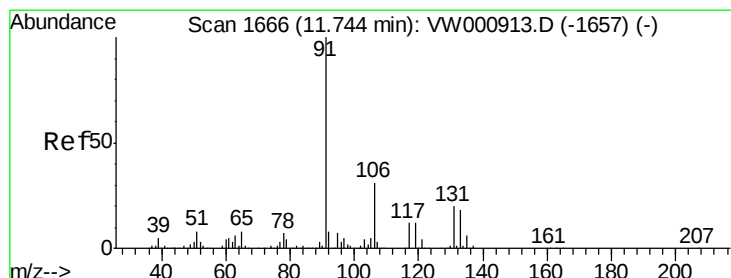
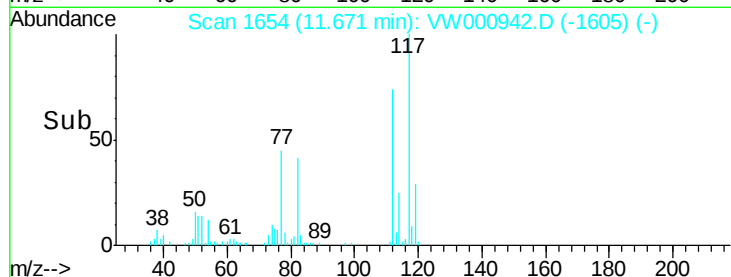
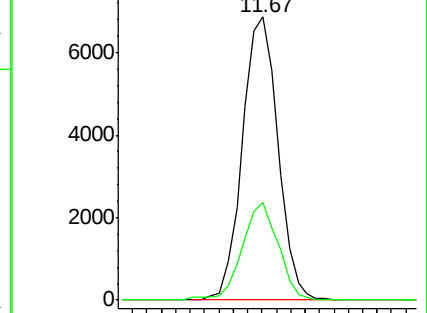
112 100

114 34.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.72 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

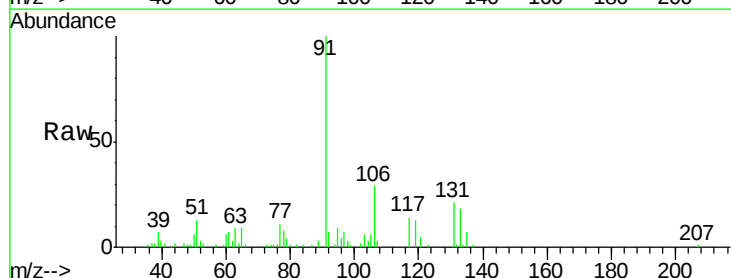
Tgt Ion:131 Resp: 3840

Ion Ratio Lower Upper

131 100

133 105.2 47.3 142.0

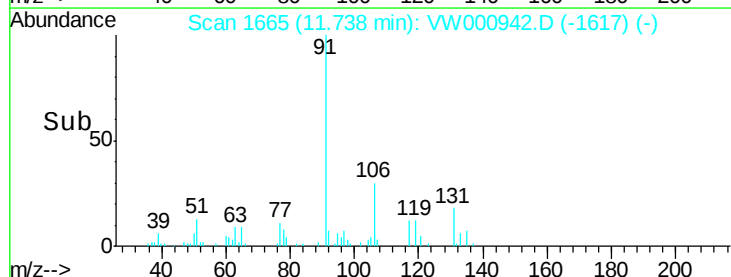
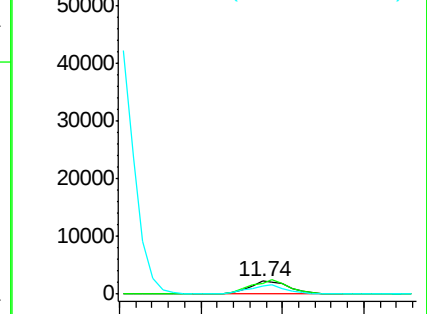
119 0.0 31.6 94.7#

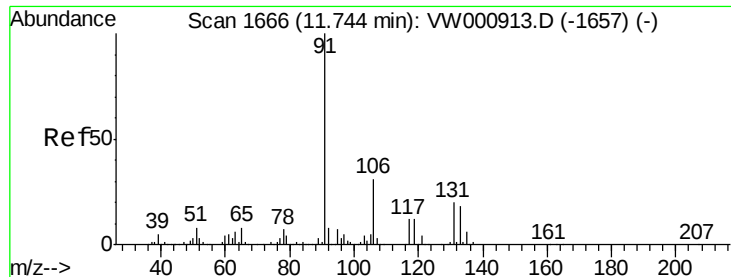


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

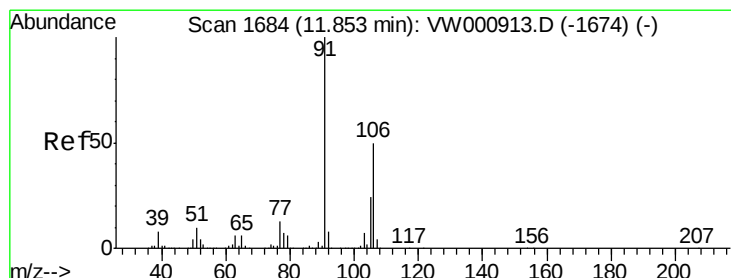
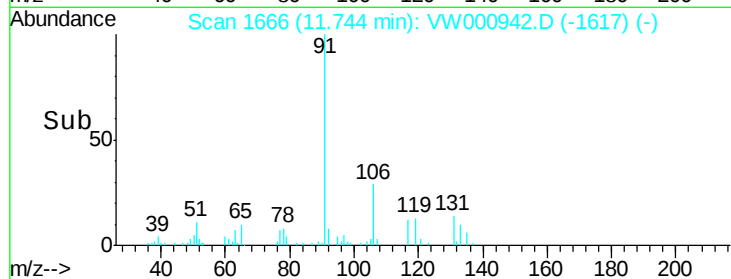
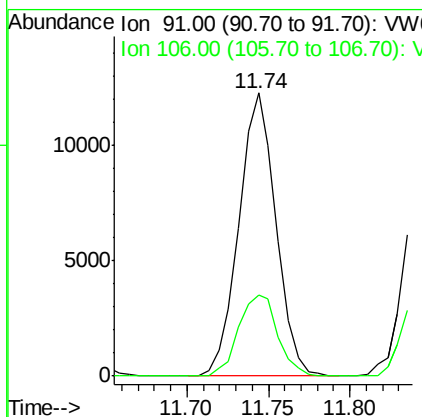
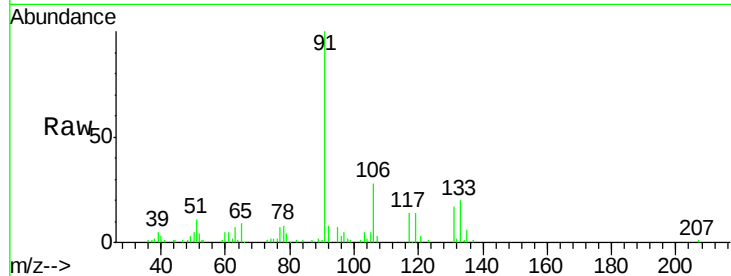




#67
Ethyl Benzene
Concen: 1.84 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

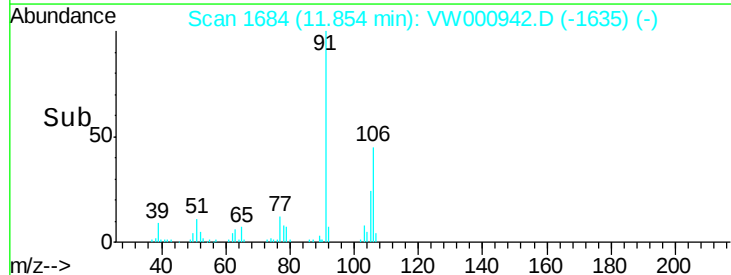
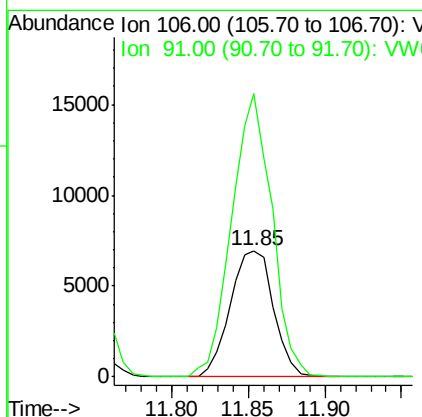
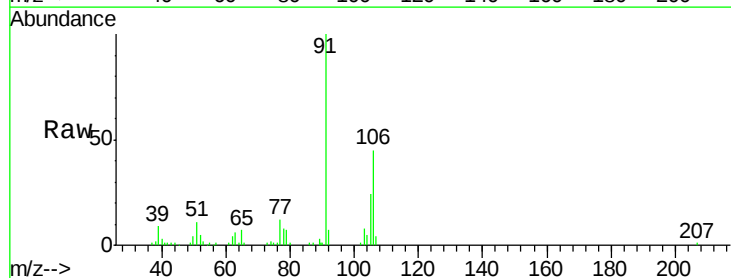
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

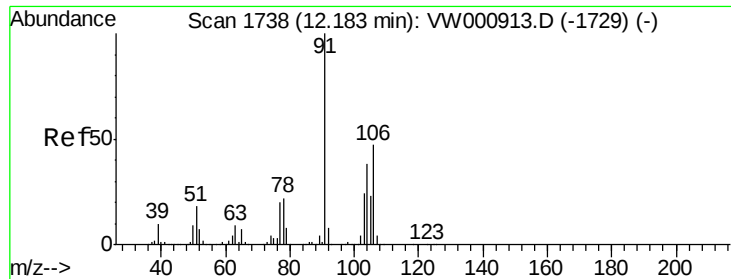
Tgt Ion: 91 Resp: 19353
Ion Ratio Lower Upper
91 100
106 28.5 25.1 37.7



#68
m/p-Xylenes
Concen: 3.34 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 106 Resp: 13625
Ion Ratio Lower Upper
106 100
91 208.9 161.9 242.9

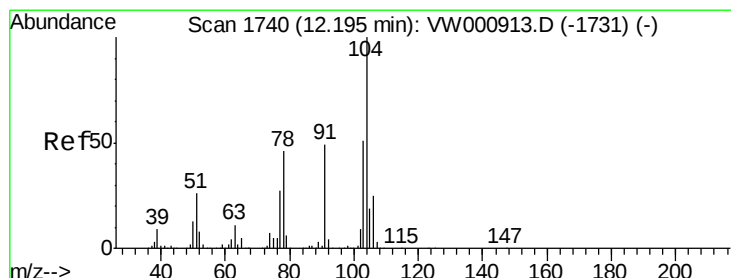
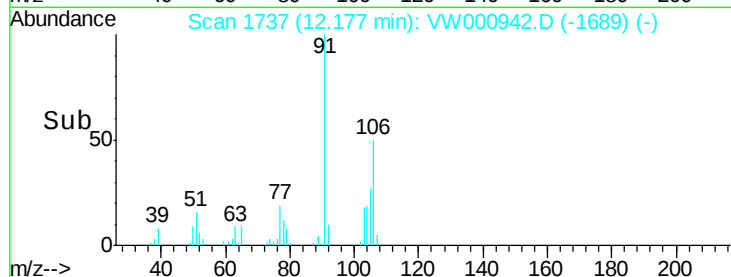
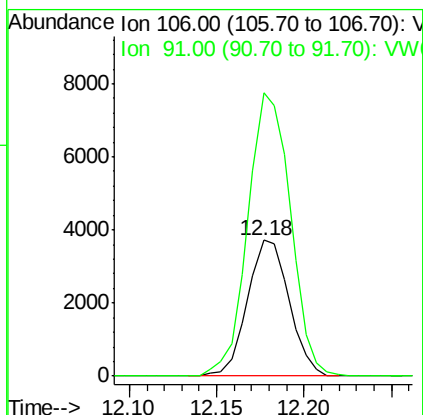
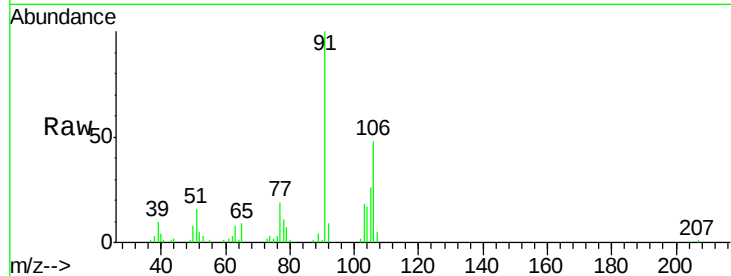




#69
o-Xylene
Concen: 1.65 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

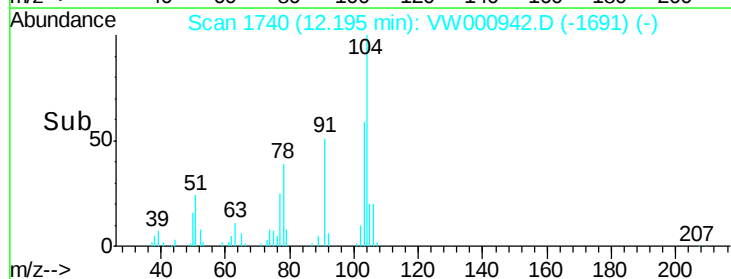
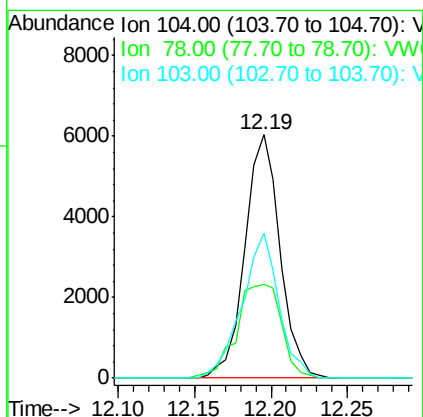
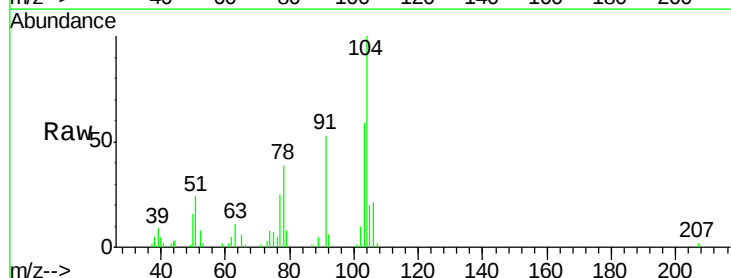
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

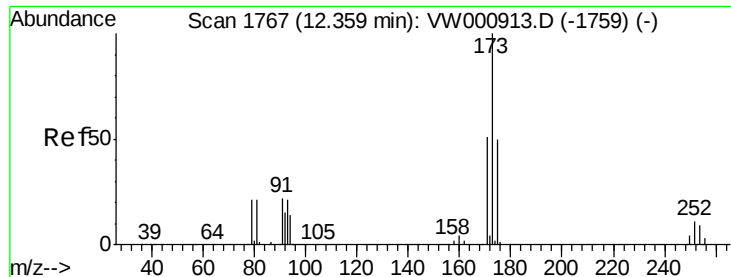
Tgt Ion:106 Resp: 6181
Ion Ratio Lower Upper
106 100
91 212.6 106.3 318.8



#70
Styrene
Concen: 1.58 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion:104 Resp: 9626
Ion Ratio Lower Upper
104 100
78 49.8 40.1 60.1
103 61.6 44.6 66.8

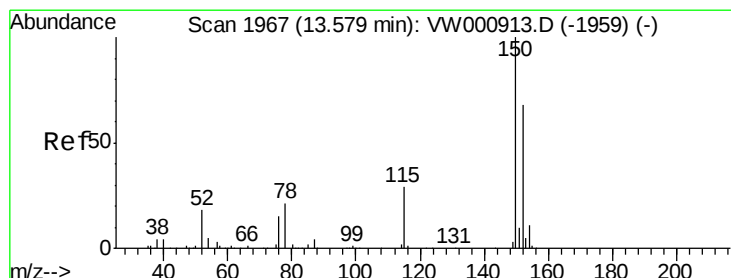
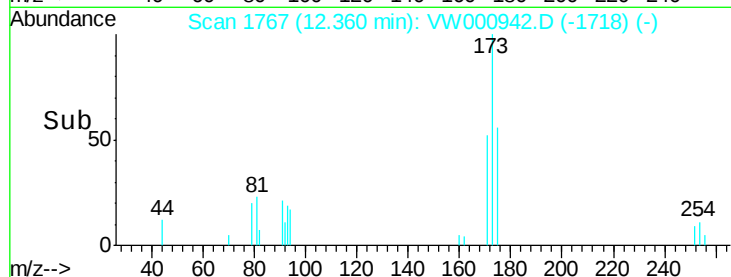
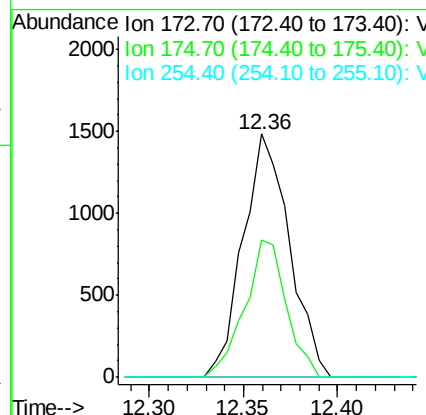
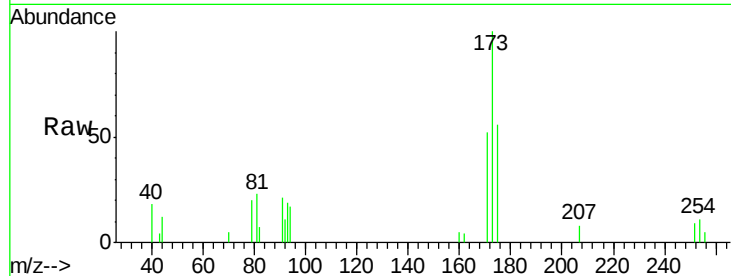




#71
Bromoform
Concen: 1.67 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

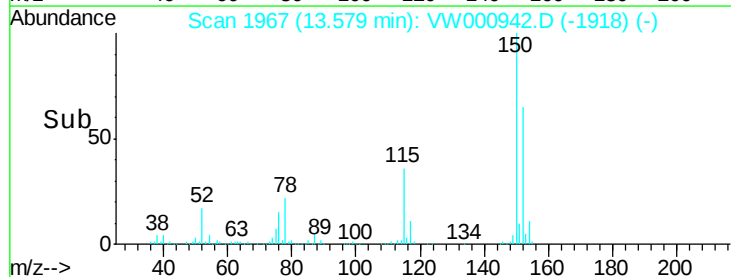
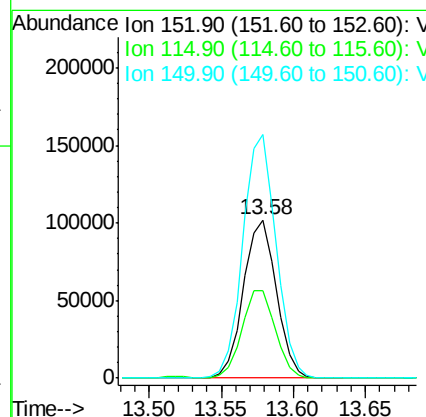
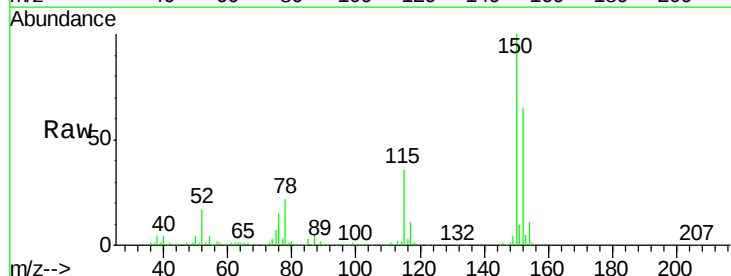
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

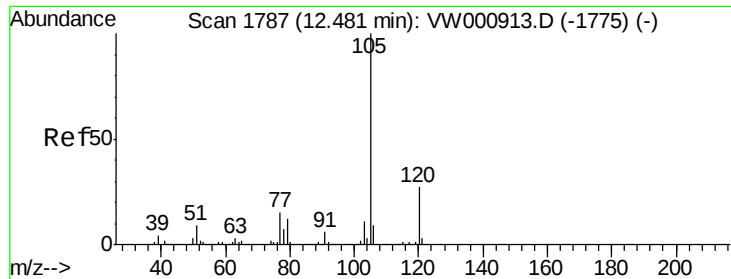
Tgt Ion:173 Resp: 2533
Ion Ratio Lower Upper
173 100
175 50.6 24.7 74.1
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion:152 Resp: 161788
Ion Ratio Lower Upper
152 100
115 56.8 28.5 85.5
150 155.1 0.0 342.0





#73

Isopropylbenzene

Concen: 1.67 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

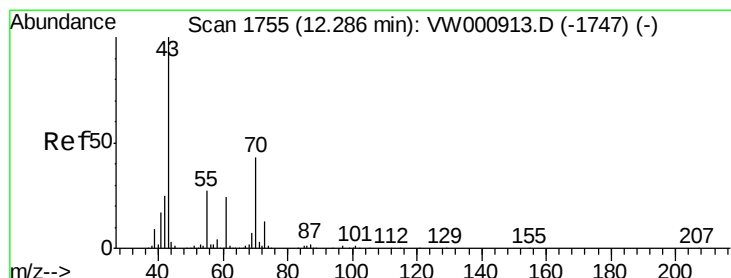
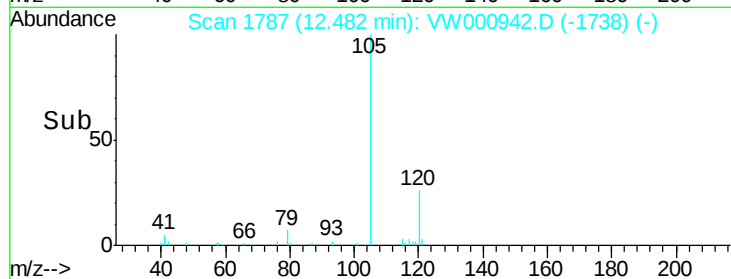
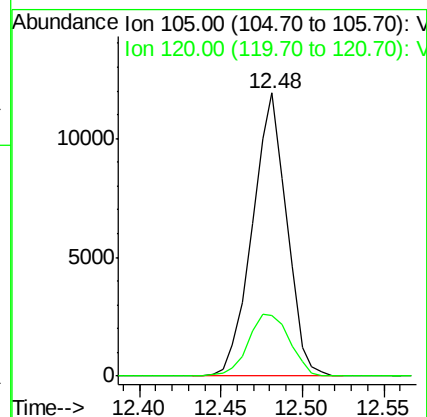
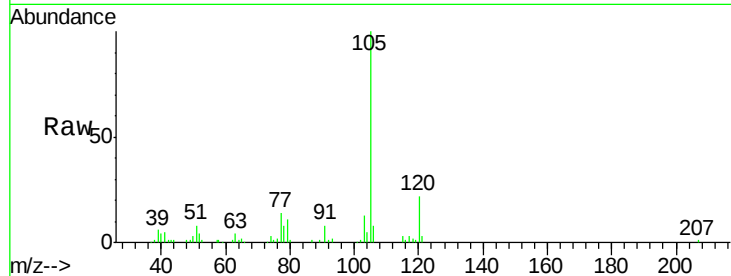
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:105 Resp: 17497

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 1.54 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Tgt Ion: 43 Resp: 3897

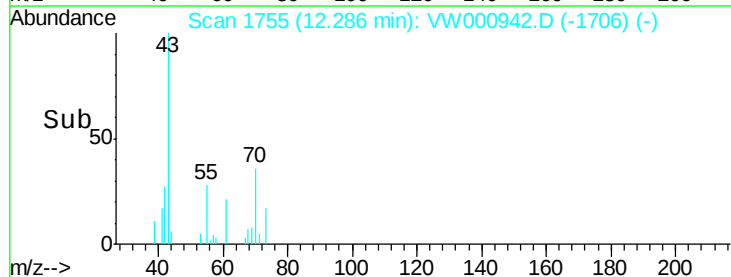
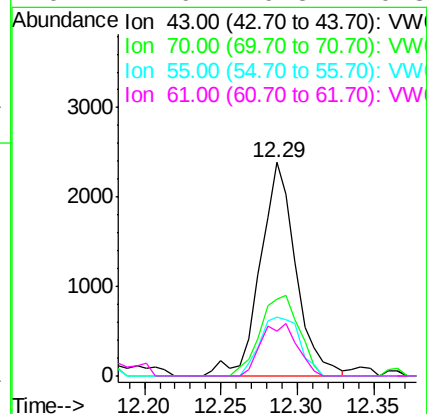
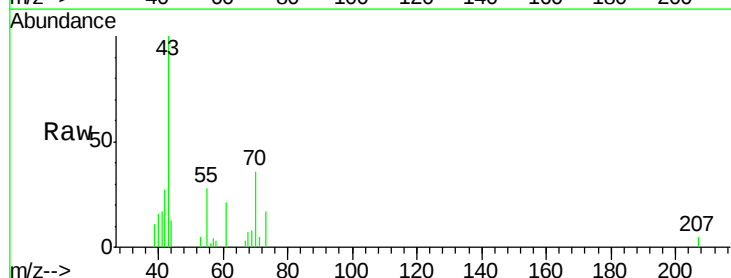
Ion Ratio Lower Upper

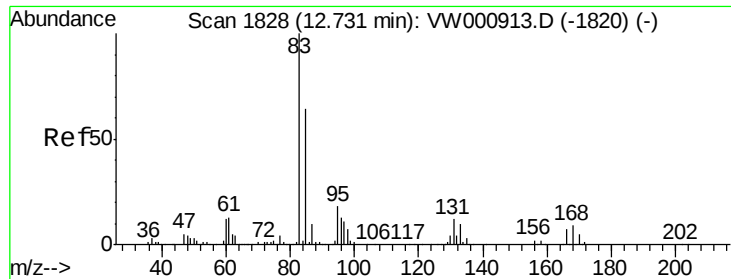
43 100

70 41.2 35.8 53.8

55 30.8 21.4 32.2

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 1.81 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

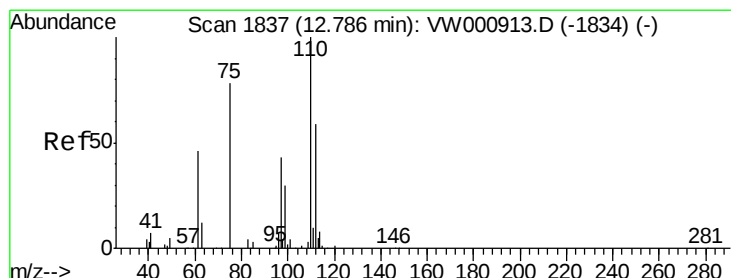
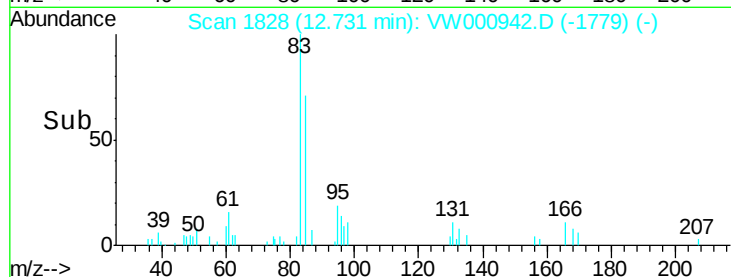
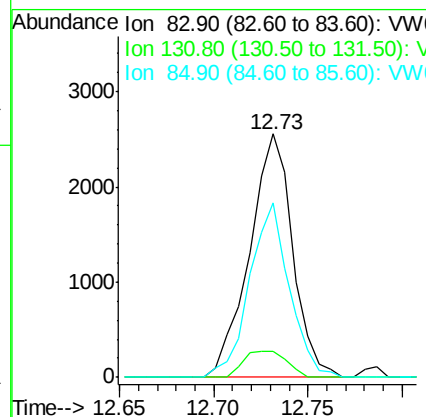
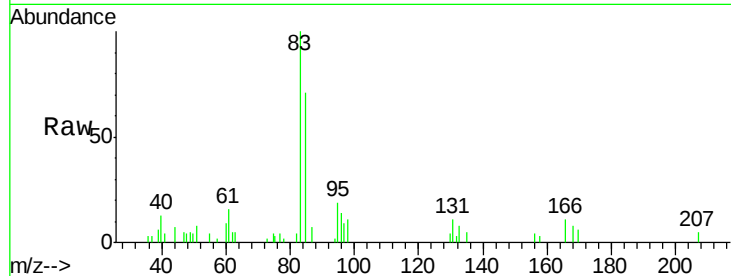
Tgt Ion: 83 Resp: 4047

Ion Ratio Lower Upper

83 100

131 10.8 5.9 17.7

85 66.1 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 3.04 ug/l

RT: 12.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VW000942.D

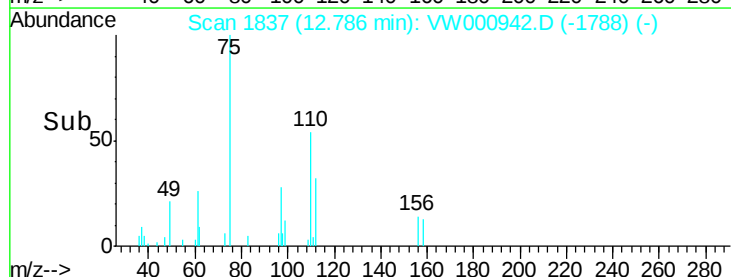
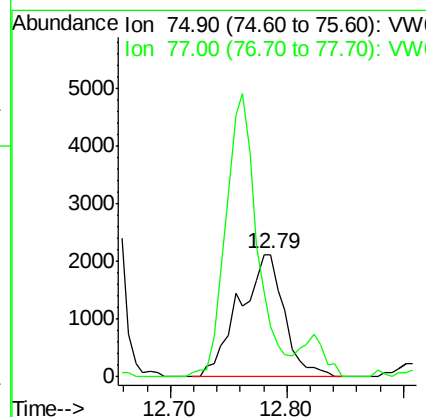
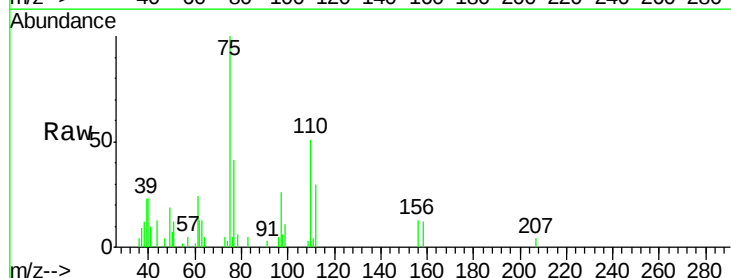
Acq: 24 Jan 2018 12:21

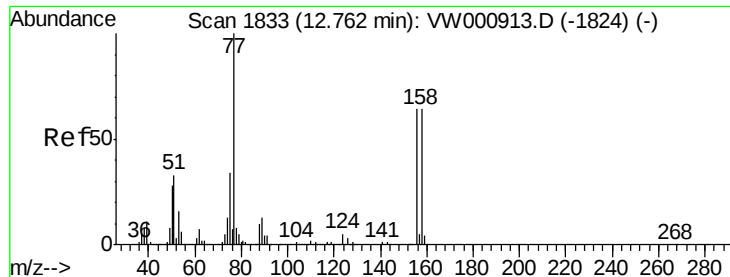
Tgt Ion: 75 Resp: 5692

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 1.93 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

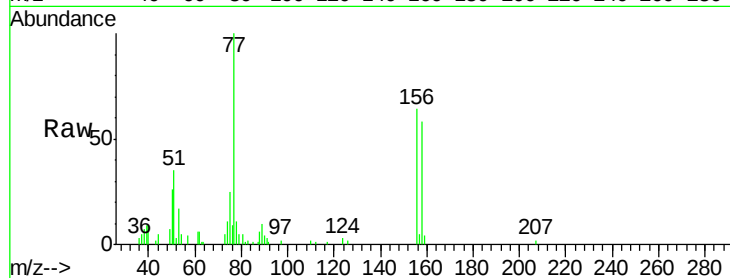
Tgt Ion:156 Resp: 5135

Ion Ratio Lower Upper

156 100

77 180.1 89.0 267.1

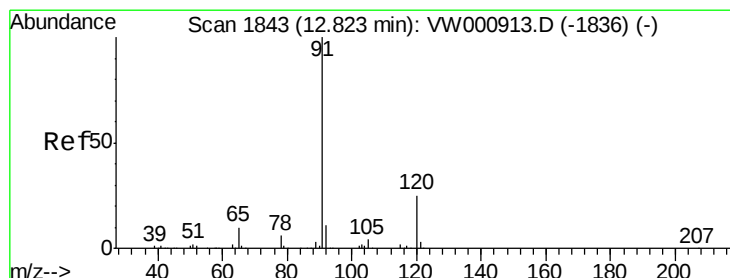
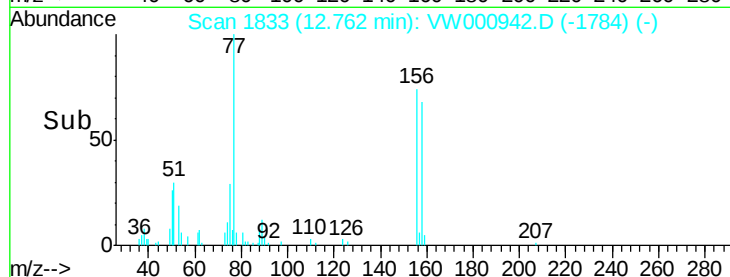
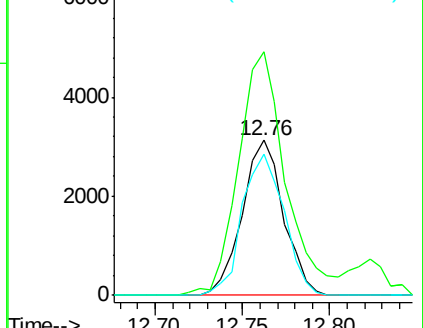
158 92.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.87 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000942.D

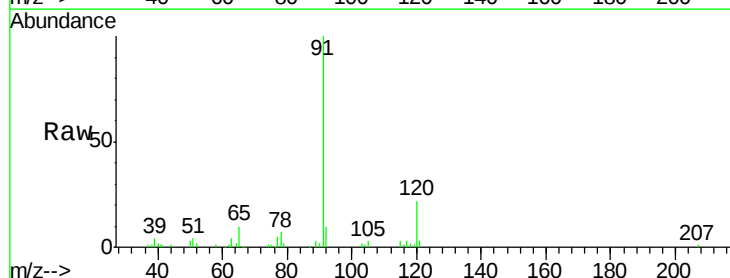
Acq: 24 Jan 2018 12:21

Tgt Ion: 91 Resp: 23554

Ion Ratio Lower Upper

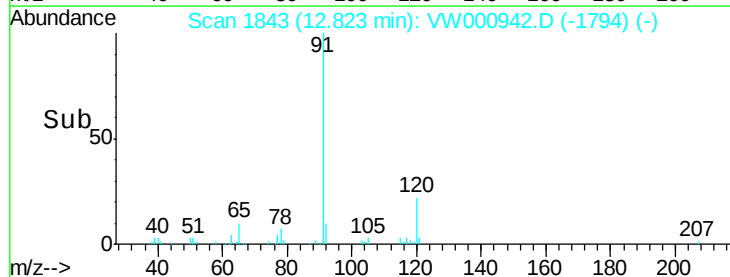
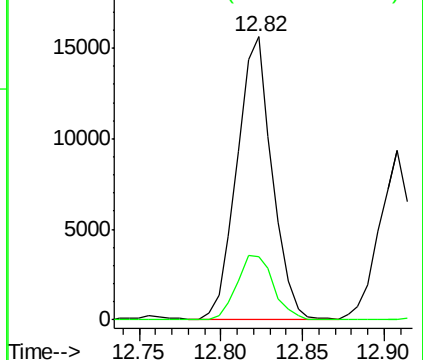
91 100

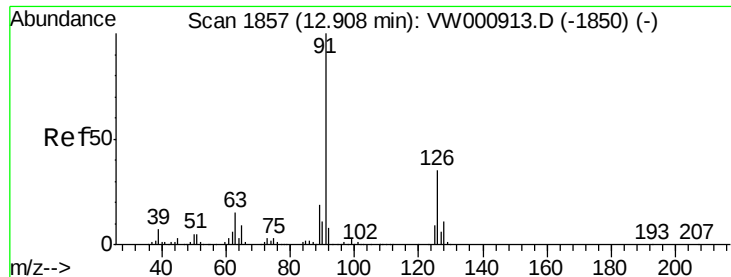
120 23.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

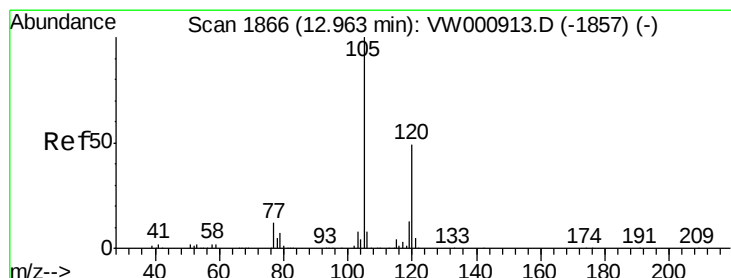
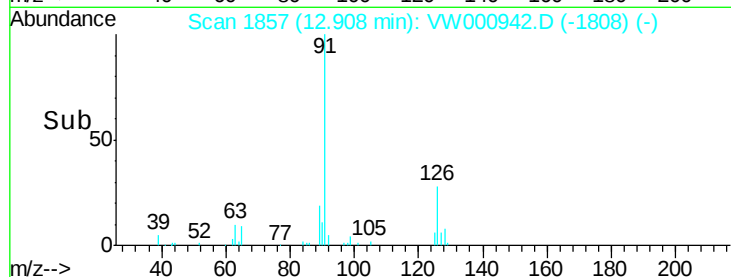
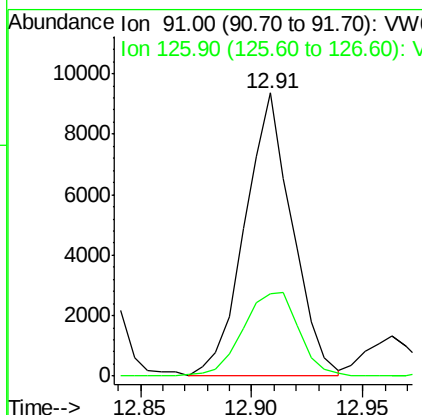
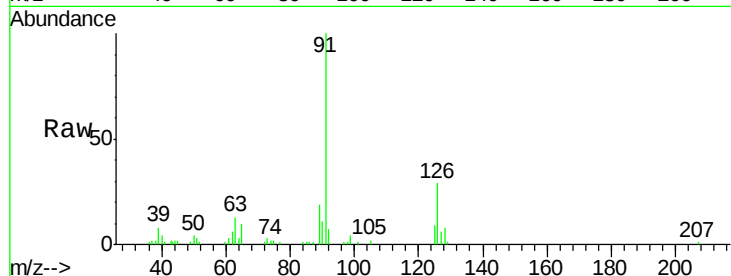




#79
 2-Chlorotoluene
 Concen: 1.95 ug/l
 RT: 12.91 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

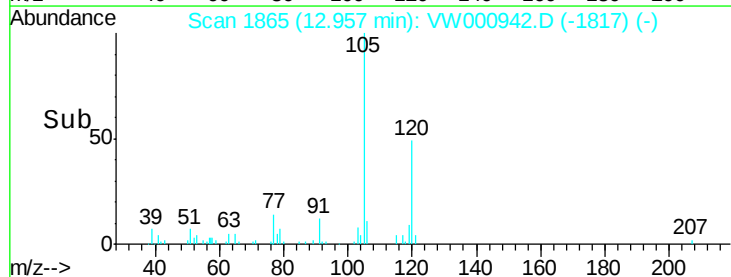
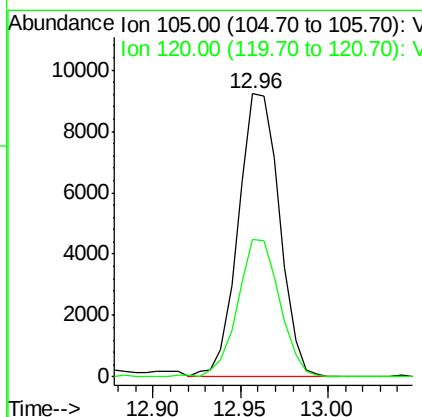
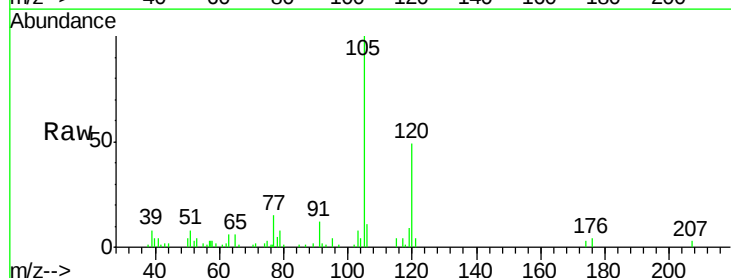
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

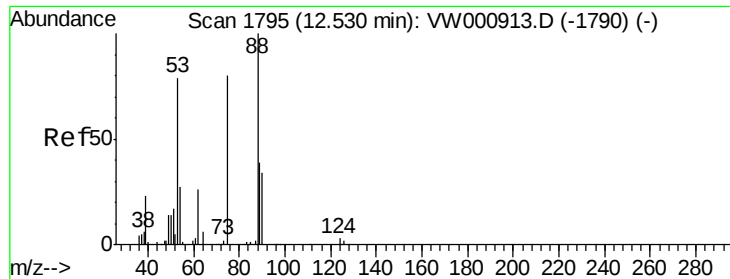
Tgt Ion: 91 Resp: 13871
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.70 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion:105 Resp: 15105
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 72.9

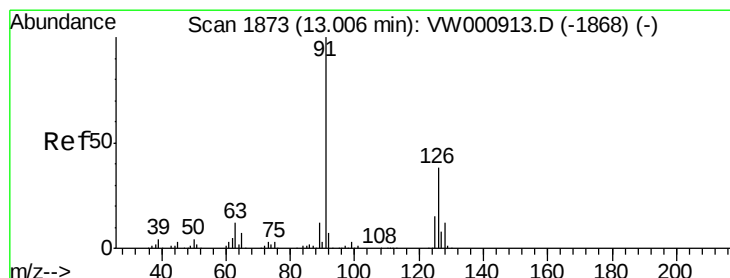
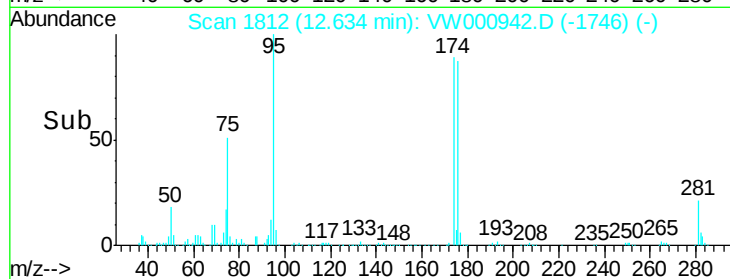
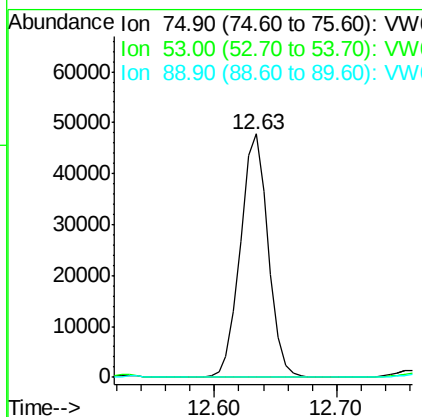
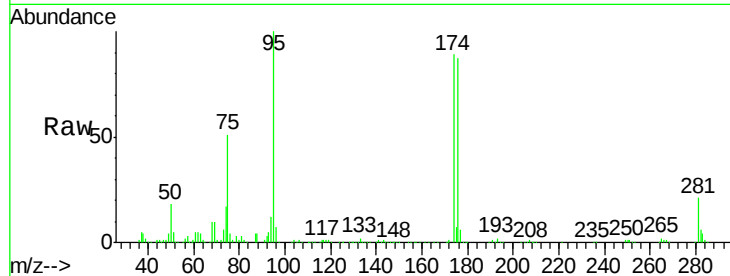




#81
trans-1,4-Dichloro-2-butene
Concen: 95.73 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.10 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

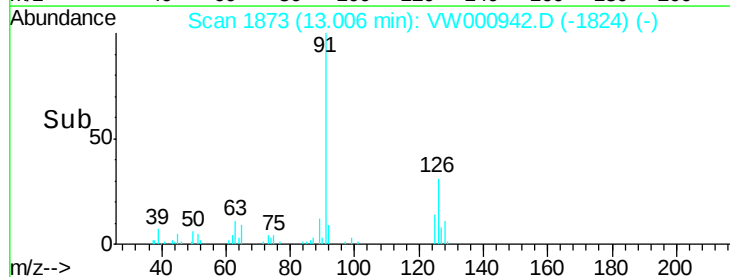
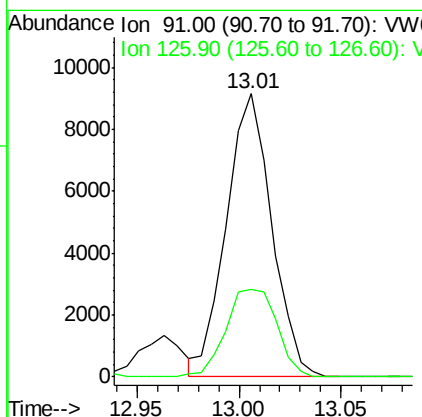
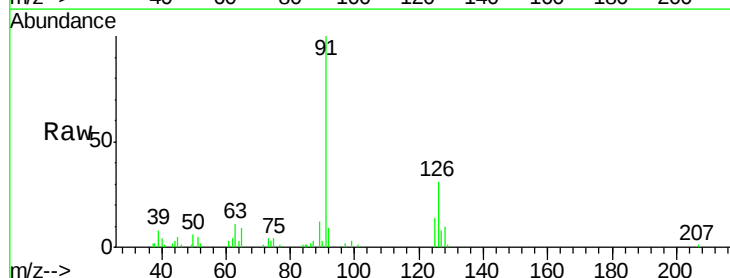
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

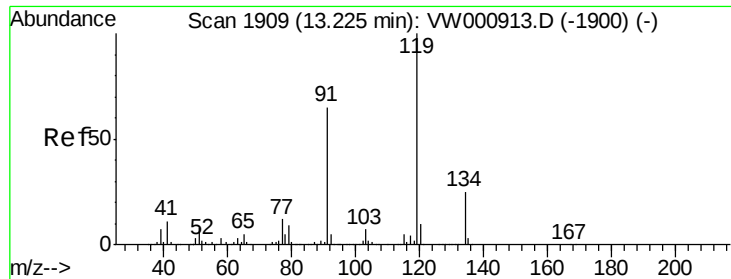
Tgt Ion: 75 Resp: 74842
Ion Ratio Lower Upper
75 100
53 0.2 77.5 116.3#
89 0.3 38.2 57.4#



#82
4-Chlorotoluene
Concen: 1.87 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 91 Resp: 14099
Ion Ratio Lower Upper
91 100
126 34.8 17.6 52.9

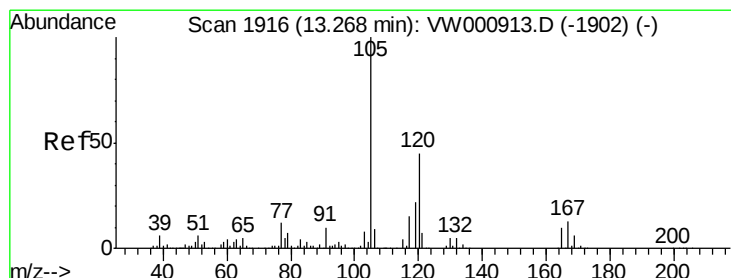
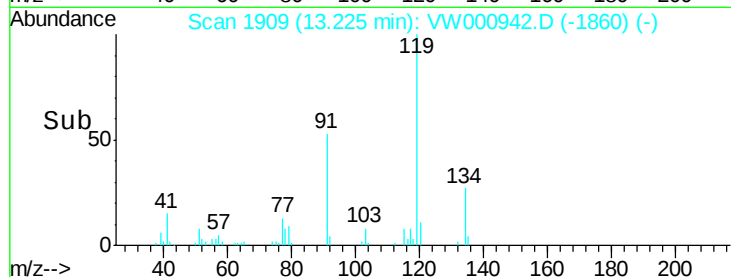
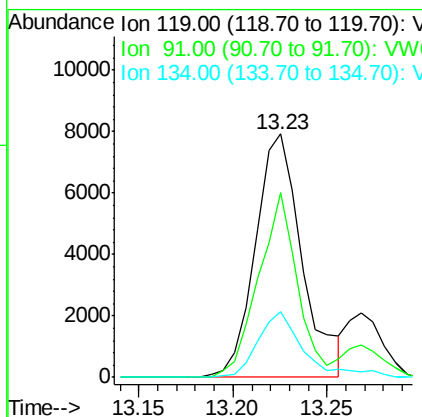
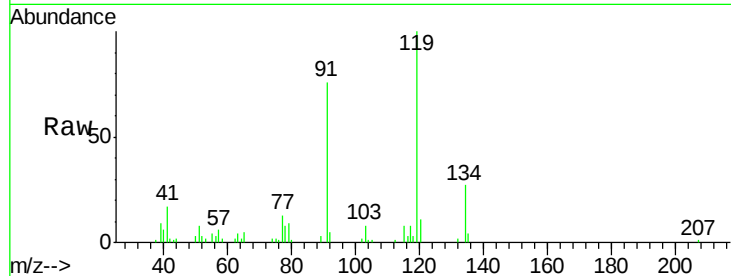




#83
tert-Butylbenzene
Concen: 1.75 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

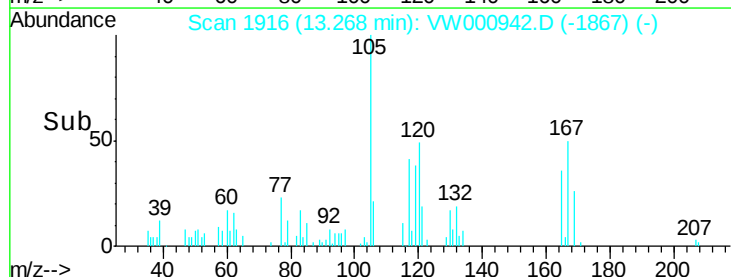
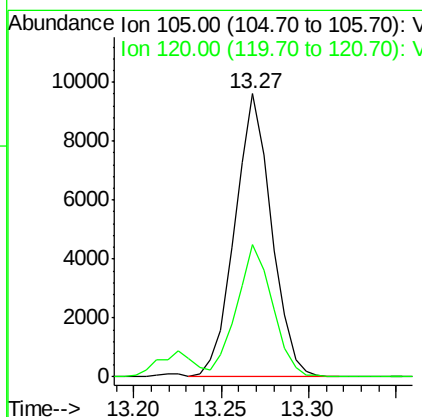
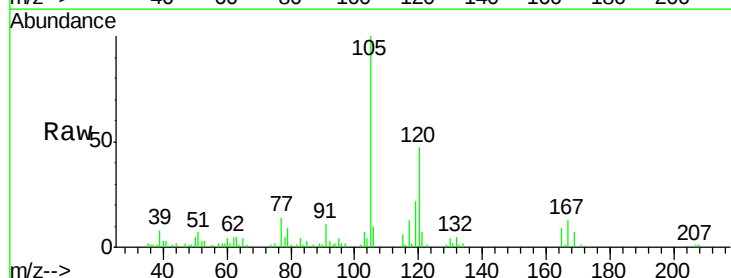
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

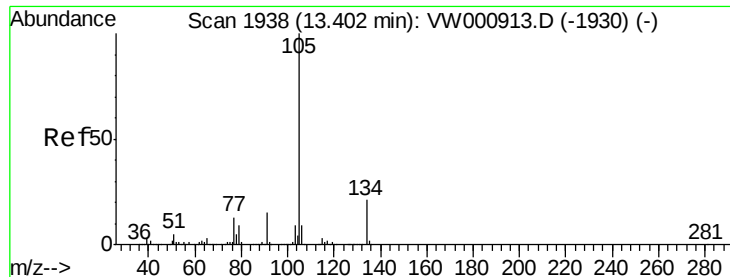
Tgt Ion:119 Resp: 13641
Ion Ratio Lower Upper
119 100
91 62.8 32.4 97.0
134 26.4 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 1.56 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion:105 Resp: 14004
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.0





#85

sec-Butylbenzene

Concen: 1.73 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

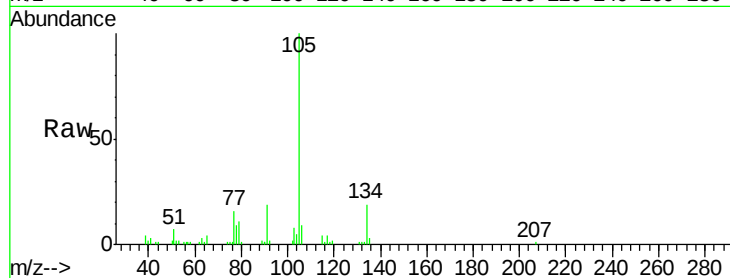
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:105 Resp: 19438

Ion Ratio Lower Upper

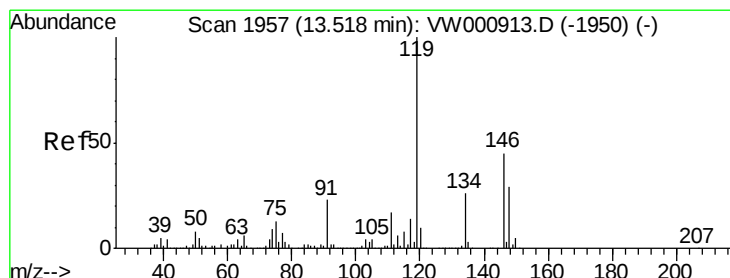
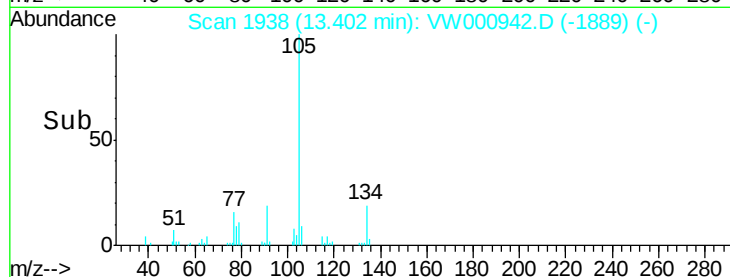
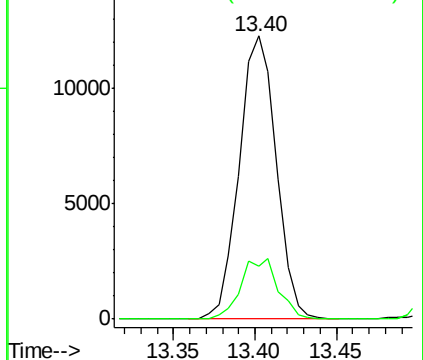
105 100

134 21.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.62 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

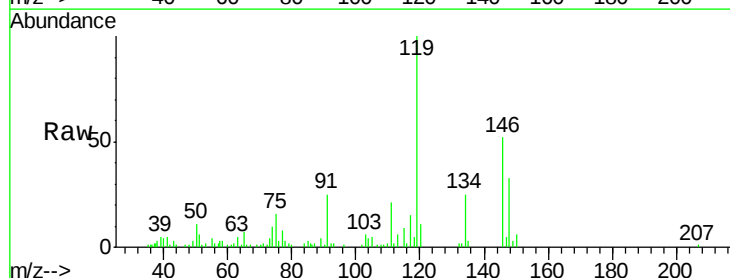
Tgt Ion:119 Resp: 16155

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

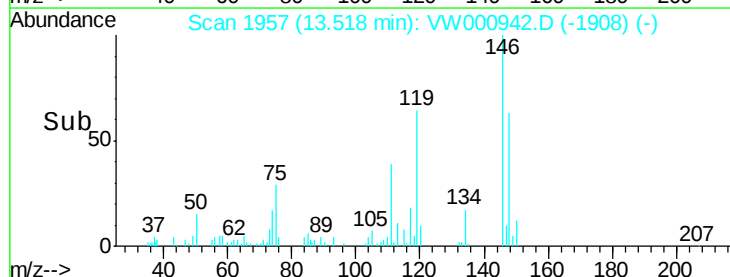
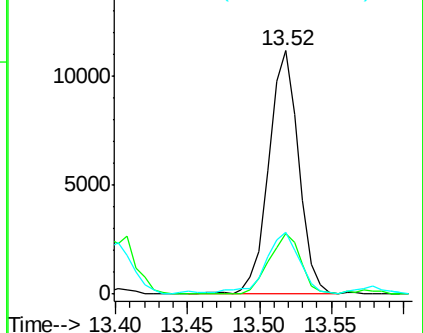
91 28.4 11.7 35.0

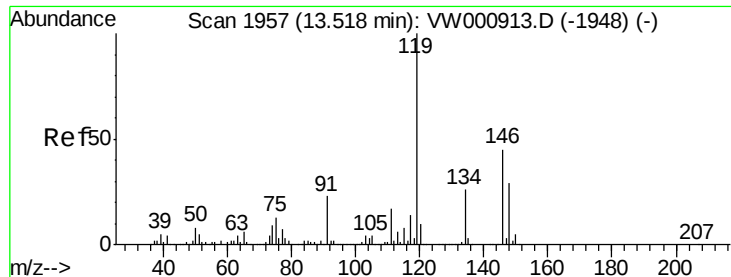


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

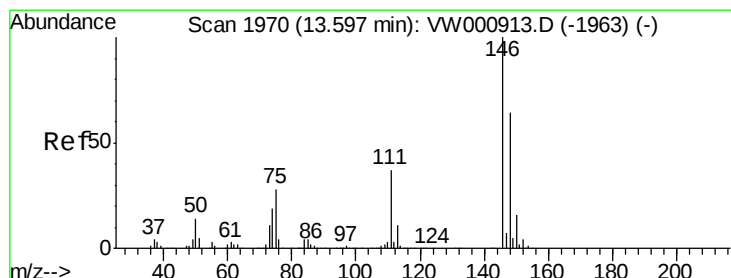
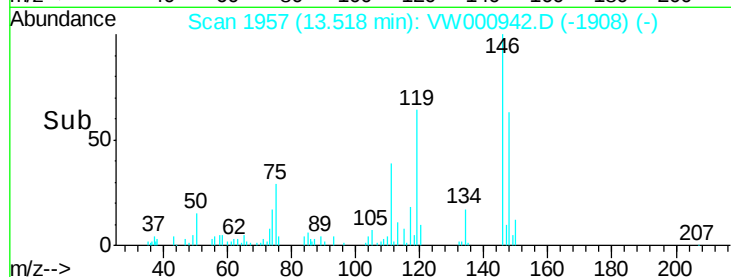
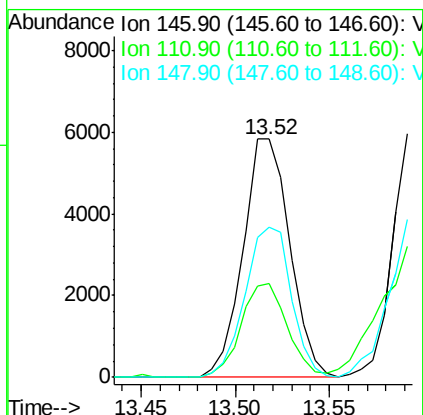
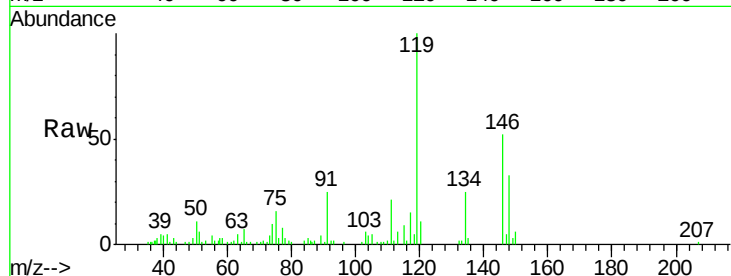




#87
 1,3-Dichlorobenzene
 Concen: 1.91 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

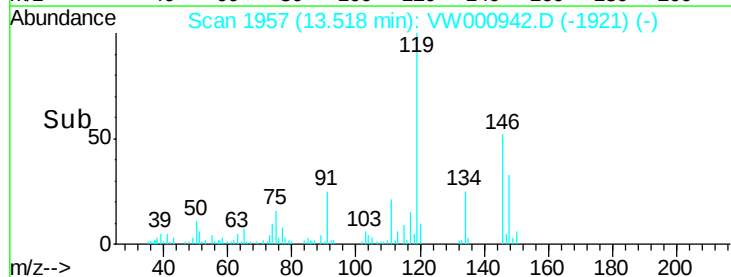
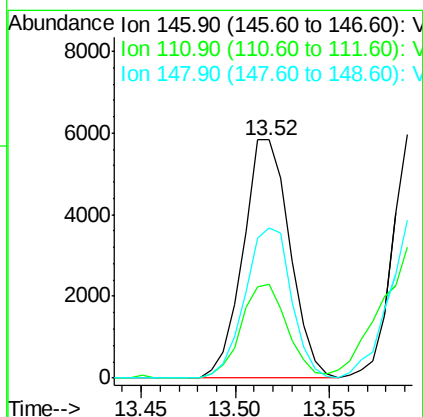
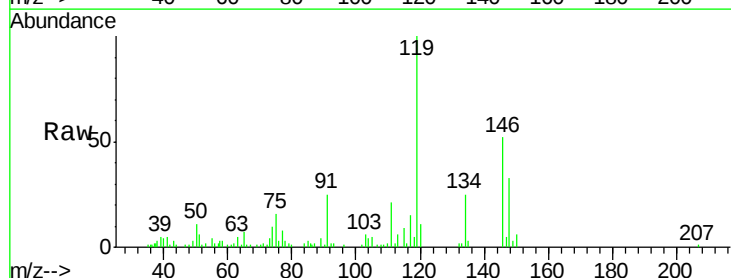
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

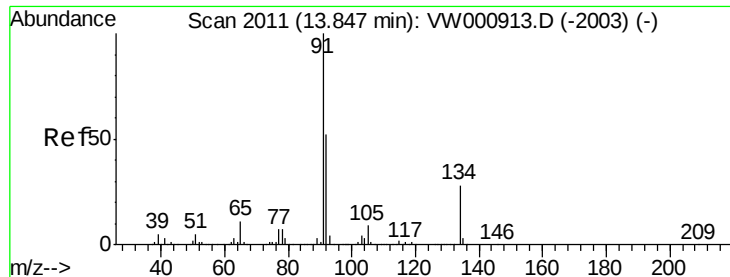
Tgt Ion:146 Resp: 10058
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 62.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 1.91 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.08 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion:146 Resp: 10058
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.0 57.0
 148 62.2 32.4 97.2

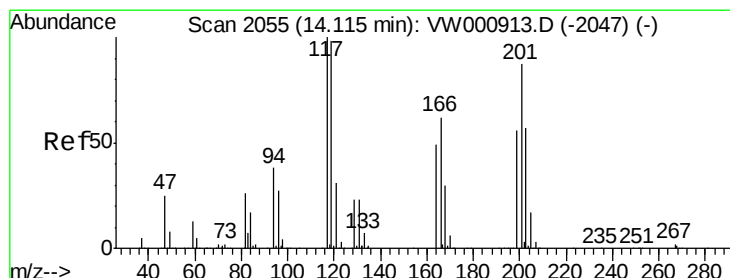
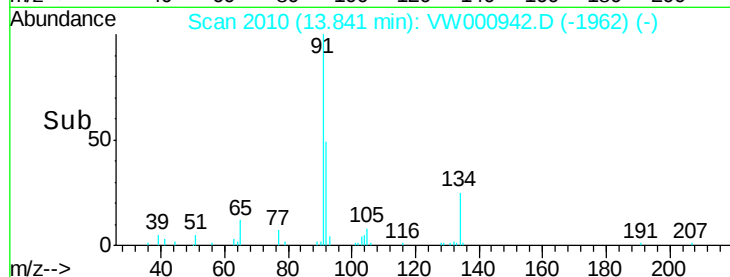
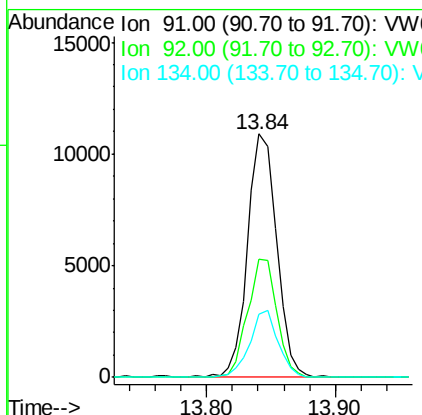
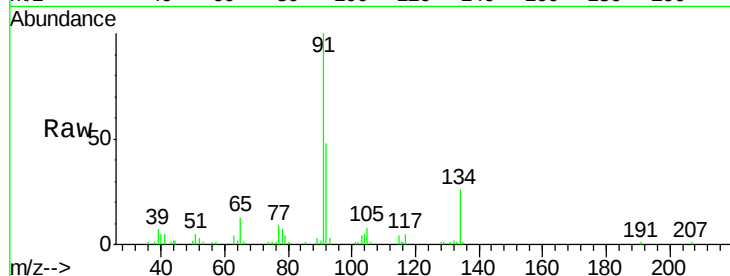




#89
n-Butylbenzene
Concen: 1.81 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

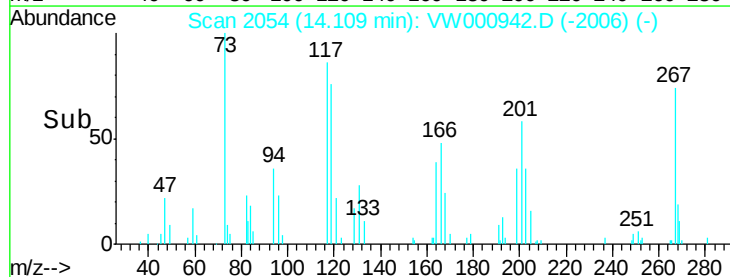
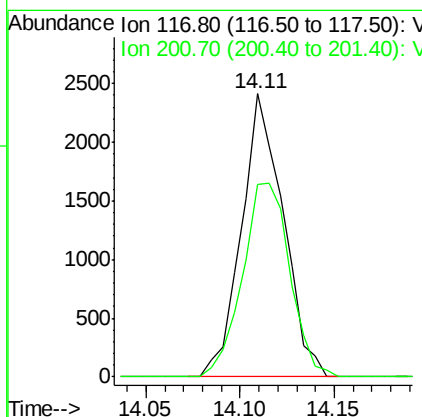
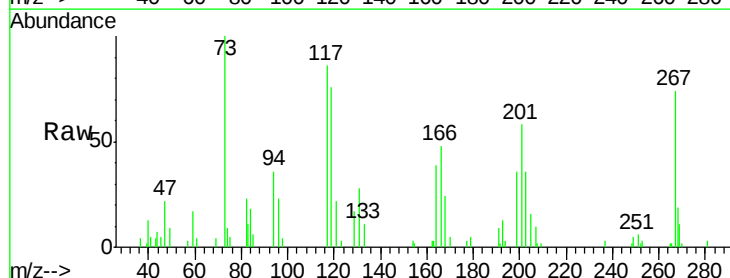
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

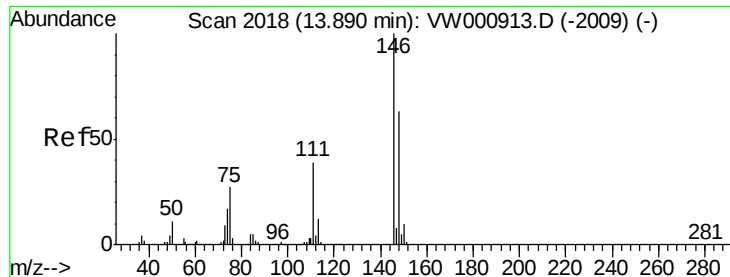
Tgt Ion: 91 Resp: 16964
Ion Ratio Lower Upper
91 100
92 48.6 26.2 78.6
134 26.7 13.7 41.1



#90
Hexachloroethane
Concen: 2.00 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion: 117 Resp: 3707
Ion Ratio Lower Upper
117 100
201 77.5 42.8 128.3

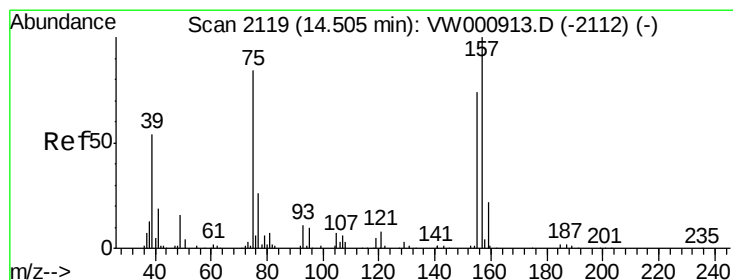
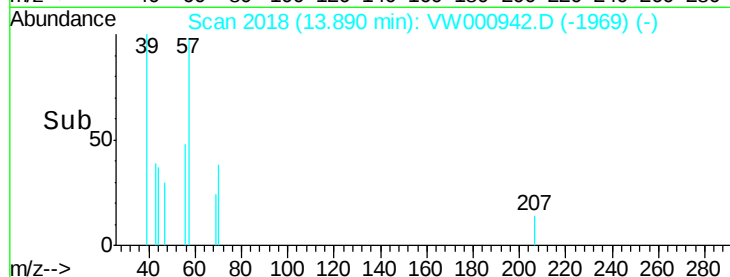
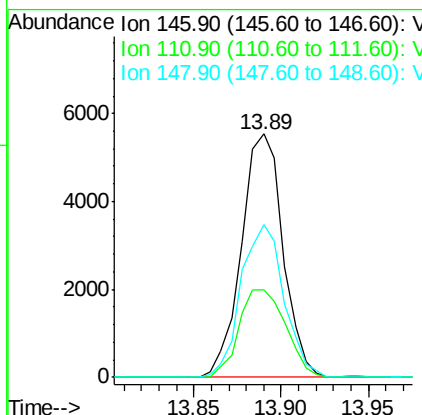
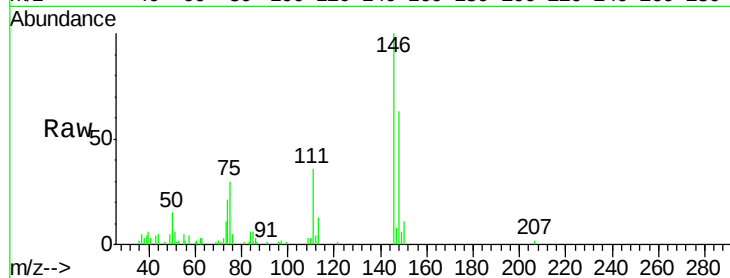




#91
 1,2-Dichlorobenzene
 Concen: 1.92 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

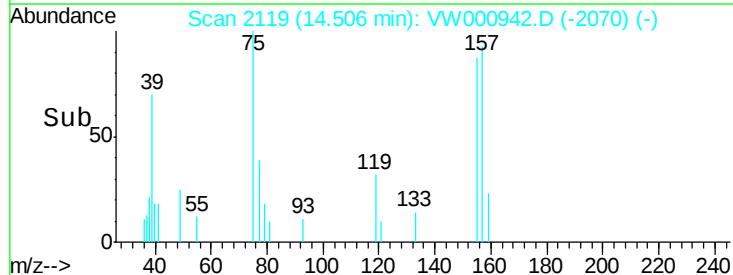
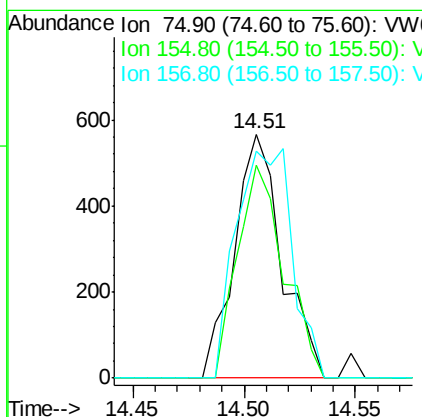
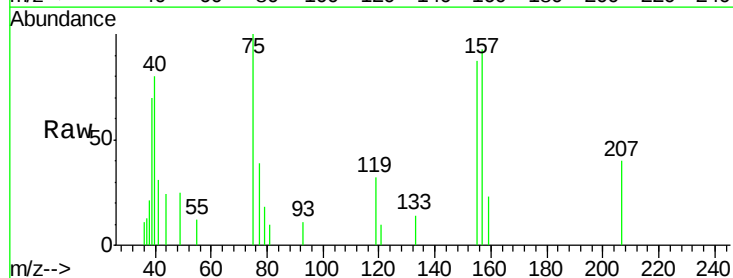
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

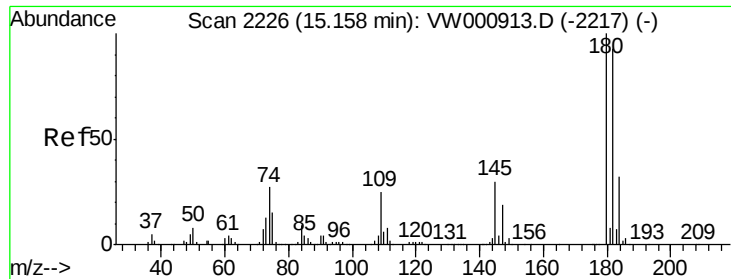
Tgt Ion: 146 Resp: 9138
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.8 59.4
 148 65.0 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.70 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion: 75 Resp: 838
 Ion Ratio Lower Upper
 75 100
 155 85.9 45.9 137.6
 157 111.0 59.8 179.3

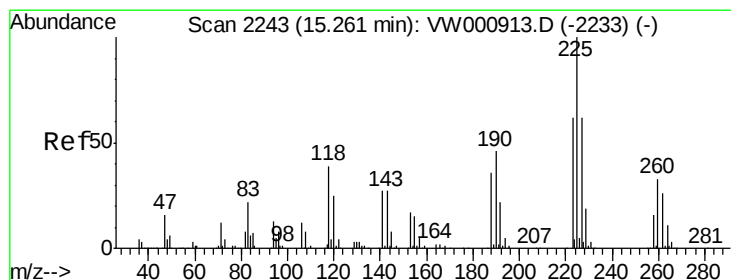
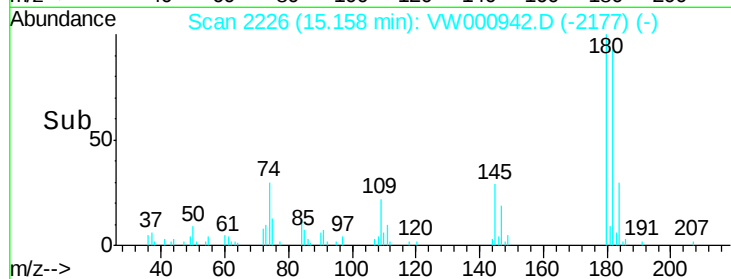
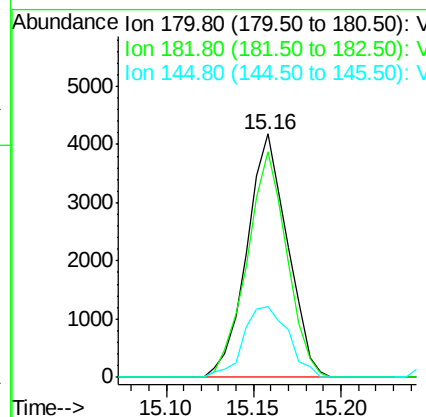
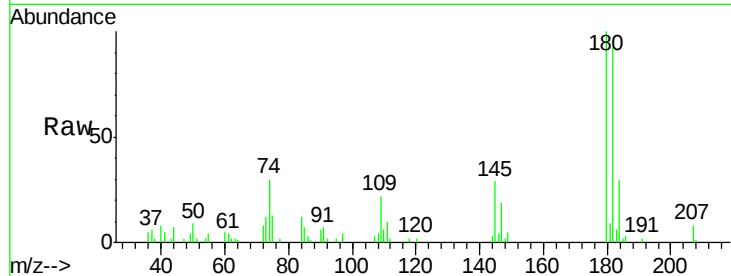




#93
 1,2,4-Trichlorobenzene
 Concen: 1.92 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

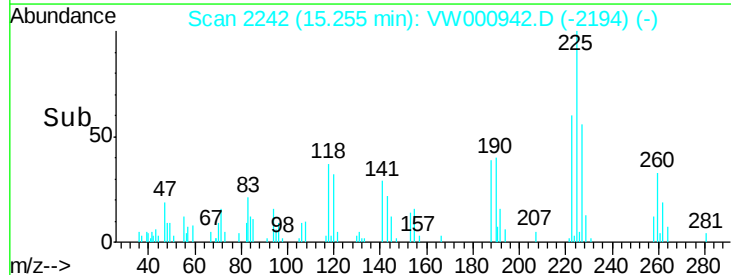
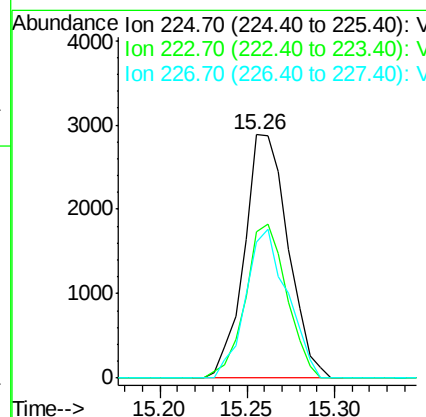
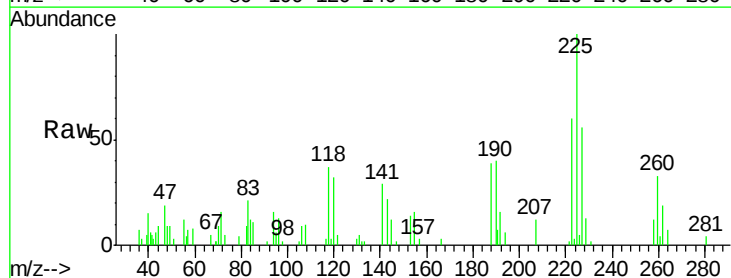
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

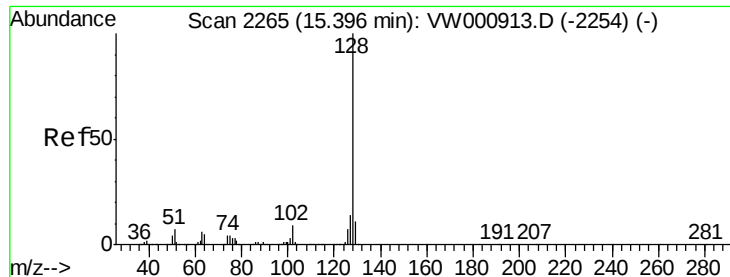
Tgt Ion:180 Resp: 6783
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.5 142.6
 145 32.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 2.24 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: VW000942.D
 Acq: 24 Jan 2018 12:21

Tgt Ion:225 Resp: 5030
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.3 93.8
 227 58.1 31.8 95.3

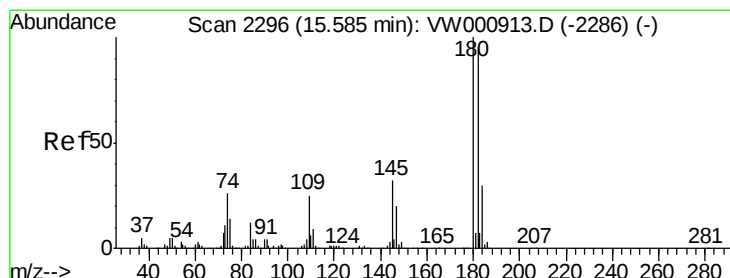
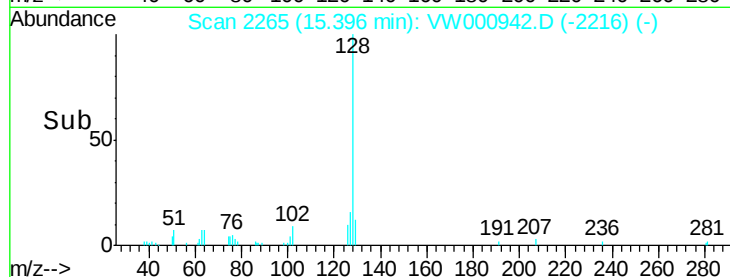
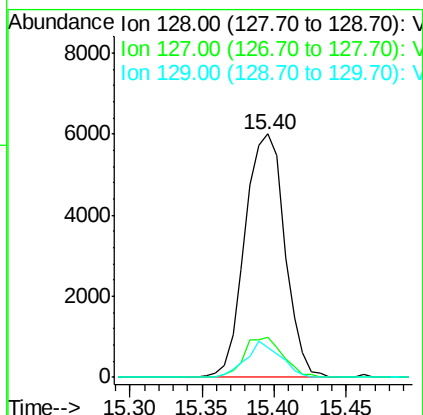
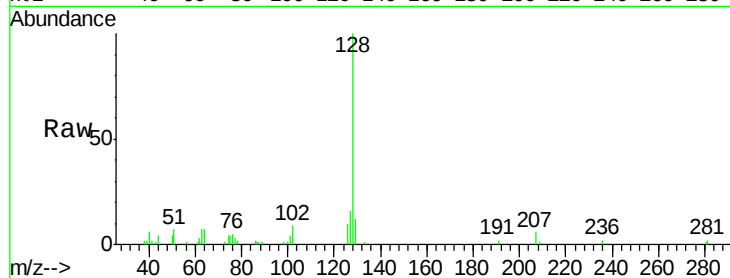




#95
Naphthalene
Concen: 1.53 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tgt Ion:128 Resp: 11472
Ion Ratio Lower Upper
128 100
127 16.0 10.6 15.8#
129 12.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.83 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VW000942.D
Acq: 24 Jan 2018 12:21

Tgt Ion:180 Resp: 5946
Ion Ratio Lower Upper
180 100
182 103.9 47.4 142.3
145 32.7 15.8 47.3

