

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000943.D
 Acq On : 24 Jan 2018 12:46
 Operator : JC/SY
 Sample : J1161-02 LOQ 10 PPB
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Quant Time: Jan 25 04:24:34 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	243292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	341060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170336	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120540	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.88	113	100218	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.33	98	435734	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.63	95	154950	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23979	10.22	ug/l	97
3) Chloromethane	2.22	50	23242	11.21	ug/l	100
4) Vinyl Chloride	2.36	62	19658	10.19	ug/l	99
5) Bromomethane	2.73	94	14336	9.97	ug/l	96
6) Chloroethane	2.89	64	10720	10.00	ug/l	95
7) Trichlorofluoromethane	3.25	101	36152	10.18	ug/l	91
8) Diethyl Ether	3.68	74	8903	10.01	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	25090	10.94	ug/l	99
10) Methyl Iodide	4.26	142	17111	11.21	ug/l	99
11) Tert butyl alcohol	5.12	59	30574	120.90	ug/l #	79
12) 1,1-Dichloroethene	4.02	96	21261	10.78	ug/l	95
13) Acrolein	3.89	56	12873	52.14	ug/l	93
14) Allyl chloride	4.65	41	31476	10.25	ug/l	98
15) Acrylonitrile	5.37	53	38457	55.36	ug/l	100
16) Acetone	4.13	43	42079	56.40	ug/l #	86
17) Carbon Disulfide	4.36	76	65516	10.06	ug/l	96
18) Methyl Acetate	4.68	43	20453	11.92	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	49661	9.81	ug/l	97
20) Methylene Chloride	4.91	84	27146	10.56	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	23510	10.26	ug/l	96
22) Diisopropyl ether	6.31	45	54398	9.89	ug/l	93
23) Vinyl Acetate	6.26	43	127589	37.34	ug/l	98
24) 1,1-Dichloroethane	6.21	63	37458	10.17	ug/l	97
25) 2-Butanone	7.18	43	52397	50.79	ug/l	99
26) 2,2-Dichloropropane	7.17	77	37783	10.14	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	24129	10.19	ug/l	97
28) Bromochloromethane	7.51	49	15777	10.20	ug/l	99
29) Tetrahydrofuran	7.53	42	31774	55.98	ug/l	99
30) Chloroform	7.68	83	40080	10.09	ug/l	95
31) Cyclohexane	7.95	56	39637	10.43	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	39060	10.18	ug/l	99
36) 1,1-Dichloropropene	8.08	75	32842	10.09	ug/l	98
37) Ethyl Acetate	7.26	43	19824	10.79	ug/l	100
38) Carbon Tetrachloride	8.07	117	35428	9.87	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38673	9.87	ug/l	92
40) Benzene	8.32	78	89117	10.07	ug/l	98
41) Methacrylonitrile	7.49	41	9955	9.66	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	28034	10.28	ug/l	98
43) Isopropyl Acetate	8.43	43	32279	10.37	ug/l	99
44) Trichloroethene	9.09	130	27092	10.30	ug/l	98
45) 1,2-Dichloropropane	9.37	63	21232	10.28	ug/l	94
46) Dibromomethane	9.46	93	13048	9.89	ug/l	98
47) Bromodichloromethane	9.65	83	29020	9.95	ug/l	97
48) Methyl methacrylate	9.44	41	14494	9.69	ug/l	94
49) 1,4-Dioxane	9.45	88	6617	229.53	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	93787	52.34	ug/l	100
52) Toluene	10.40	92	57664	10.32	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	28146	9.52	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	30611	9.42	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	18945	10.29	ug/l	96
56) Ethyl methacrylate	10.66	69	21412	11.35	ug/l	96
57) 1,3-Dichloropropane	10.94	76	31503	10.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	36636	49.26	ug/l	100
59) 2-Hexanone	10.98	43	67893	55.24	ug/l	99
60) Dibromochloromethane	11.14	129	22594	10.16	ug/l	98
61) 1,2-Dibromoethane	11.24	107	19255	10.03	ug/l	97
64) Tetrachloroethene	10.87	164	28138	10.93	ug/l	97
65) Chlorobenzene	11.67	112	64688	10.16	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	23041	10.08	ug/l	99
67) Ethyl Benzene	11.74	91	107572	10.01	ug/l	98
68) m/p-Xylenes	11.85	106	83037	19.87	ug/l	99
69) o-Xylene	12.18	106	36805	9.61	ug/l	100
70) Styrene	12.20	104	61001	9.77	ug/l	98
71) Bromoform	12.36	173	15131	9.76	ug/l #	98
73) Isopropylbenzene	12.48	105	105334	9.57	ug/l	99
74) N-amyl acetate	12.29	43	27188	10.17	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	24731	10.51	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	33072	16.78	ug/l #	100
77) Bromobenzene	12.76	156	27456	9.80	ug/l	94
78) n-propylbenzene	12.82	91	132535	9.98	ug/l	99
79) 2-Chlorotoluene	12.91	91	75508	10.08	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	92303	9.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5303	10.67	ug/l	90
82) 4-Chlorotoluene	13.01	91	81359	10.22	ug/l	99
83) tert-Butylbenzene	13.23	119	79123	9.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	93076	9.83	ug/l	100
85) sec-Butylbenzene	13.40	105	116780	9.86	ug/l	100
86) p-Isopropyltoluene	13.52	119	102545	9.76	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	57403	10.33	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	56502	10.17	ug/l	96
89) n-Butylbenzene	13.84	91	94062	9.54	ug/l	98
90) Hexachloroethane	14.11	117	18857	9.66	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	52778	10.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5543	10.68	ug/l	91

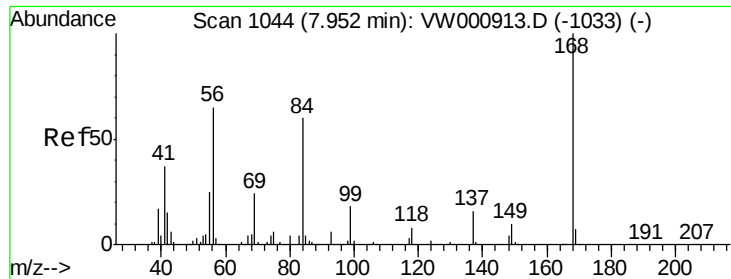
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	37305	10.00	ug/l	99
94) Hexachlorobutadiene	15.26	225	24293	10.28	ug/l	98
95) Naphthalene	15.39	128	73325	9.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	33981	9.91	ug/l	99

(#) = 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: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

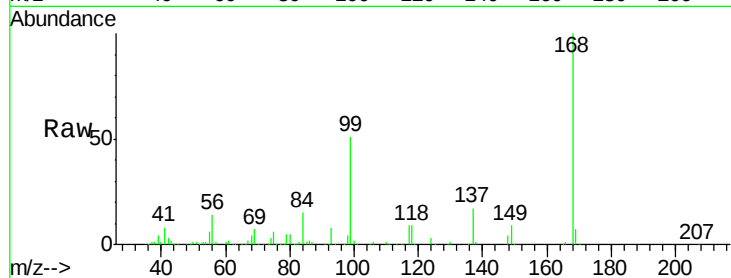
LOQ-SOIL-02-QT1-2018

Tgt Ion:168 Resp: 243292

Ion Ratio Lower Upper

168 100

99 51.0 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

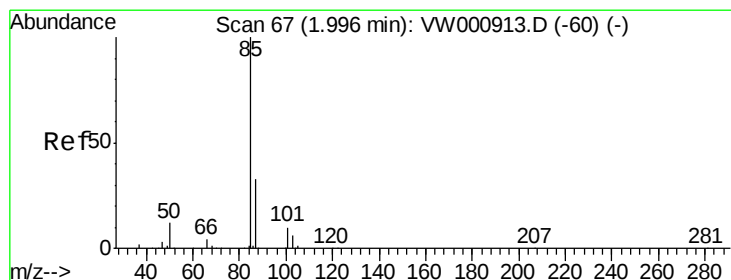
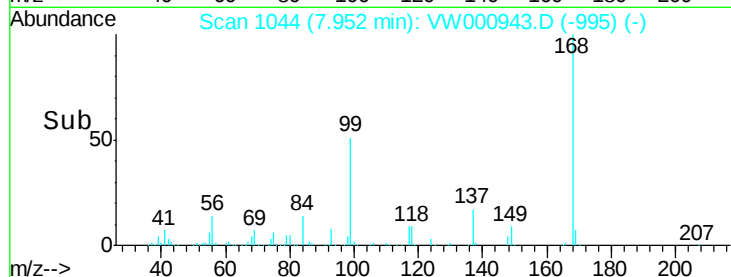
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.22 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000943.D

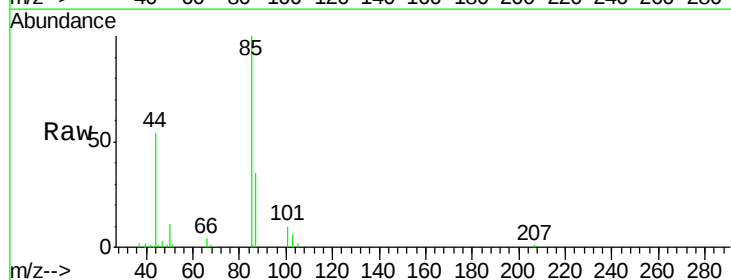
Acq: 24 Jan 2018 12:46

Tgt Ion: 85 Resp: 23979

Ion Ratio Lower Upper

85 100

87 34.7 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

15000

10000

5000

0

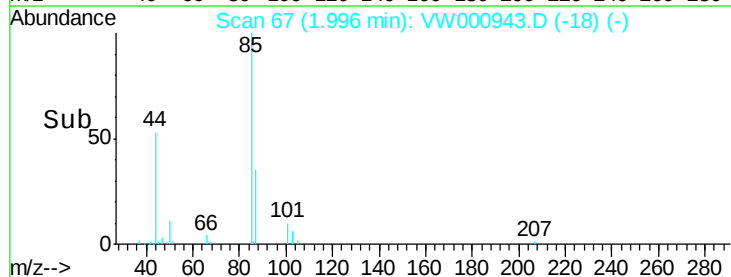
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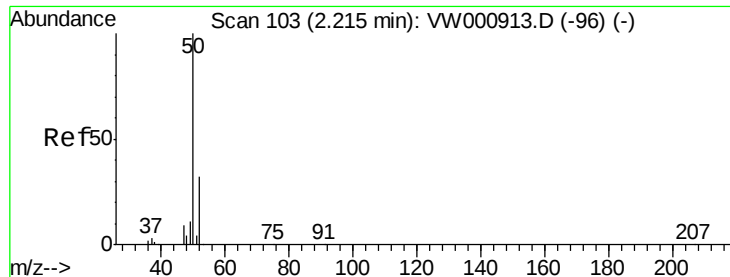
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 11.21 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

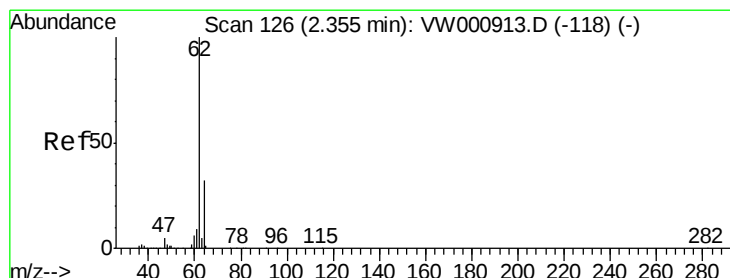
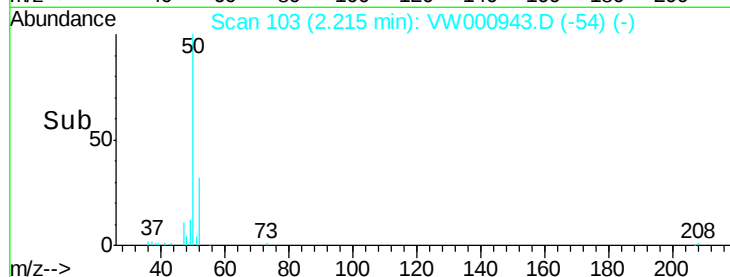
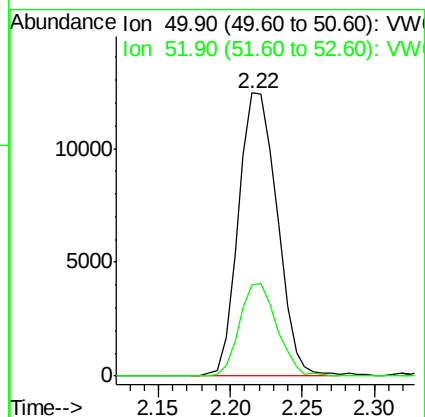
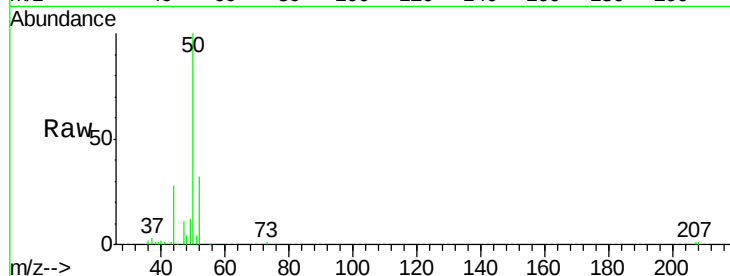
LOQ-SOIL-02-QT1-2018

Tgt Ion: 50 Resp: 23242

Ion Ratio Lower Upper

50 100

52 32.1 25.5 38.3



#4

Vinyl Chloride

Concen: 10.19 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000943.D

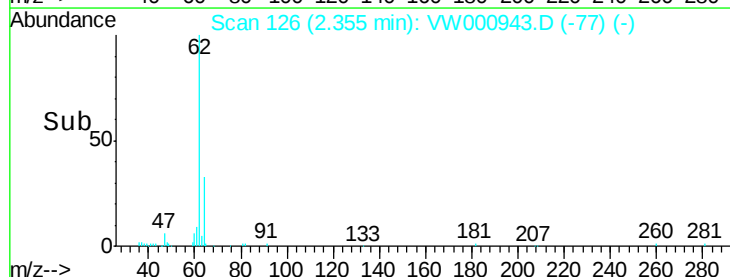
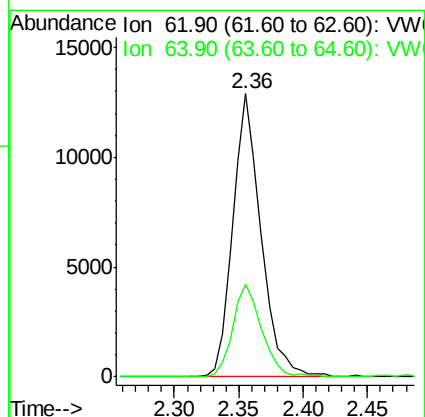
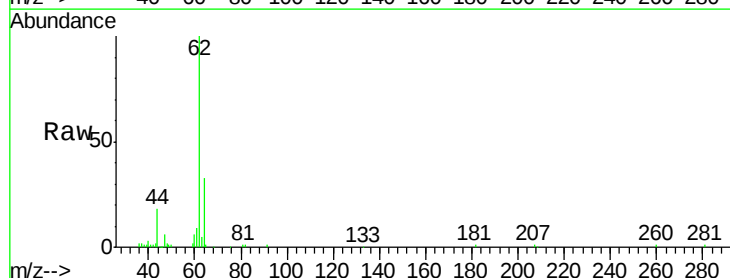
Acq: 24 Jan 2018 12:46

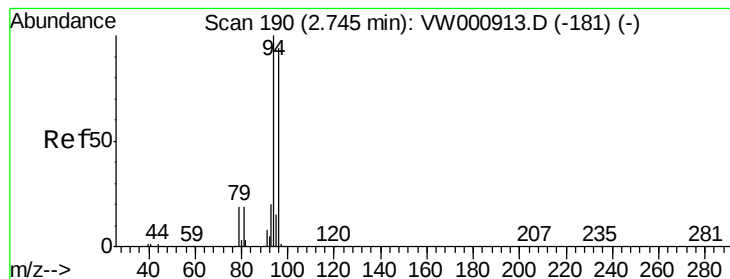
Tgt Ion: 62 Resp: 19658

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 9.97 ug/l

RT: 2.73 min Scan# 187

Delta R.T. -0.02 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

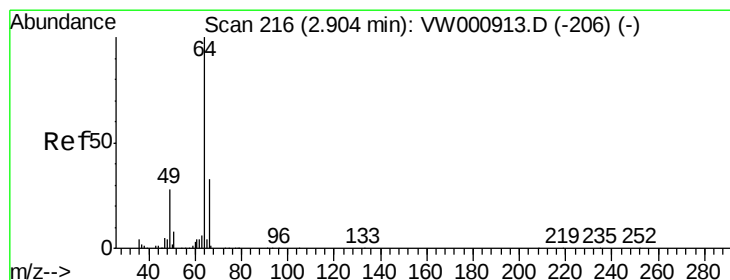
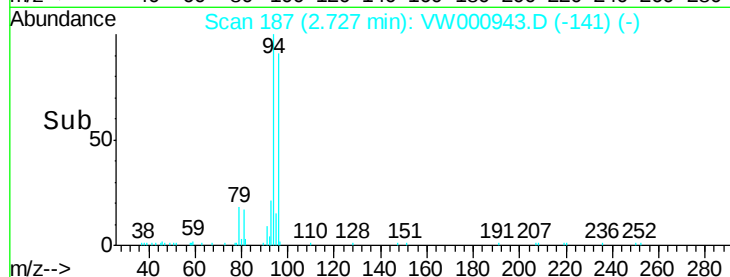
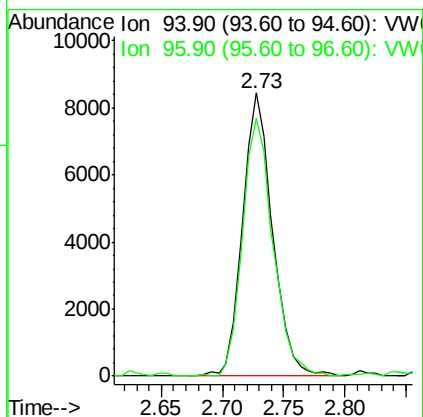
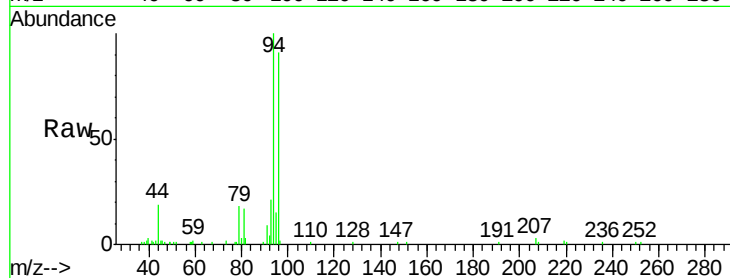
LOQ-SOIL-02-QT1-2018

Tgt Ion: 94 Resp: 14336

Ion Ratio Lower Upper

94 100

96 90.9 75.5 113.3



#6

Chloroethane

Concen: 10.00 ug/l

RT: 2.89 min Scan# 214

Delta R.T. -0.01 min

Lab File: VW000943.D

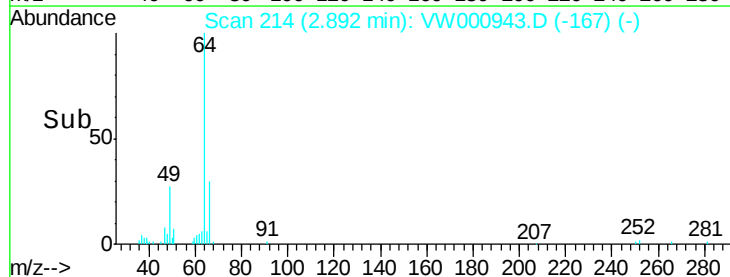
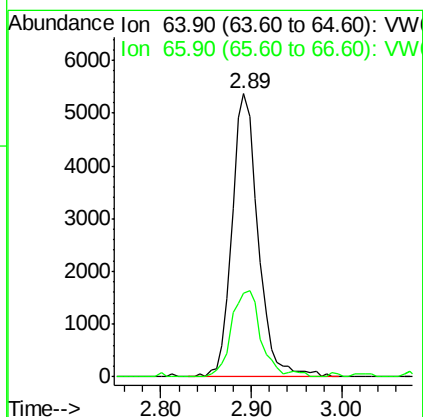
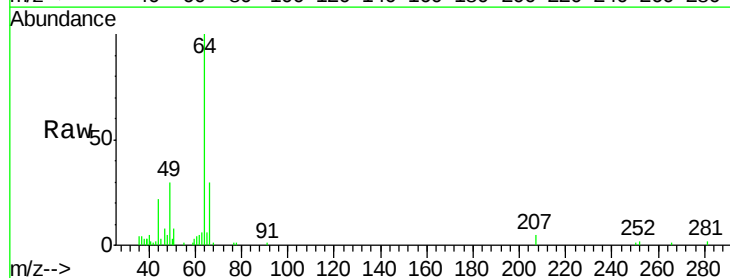
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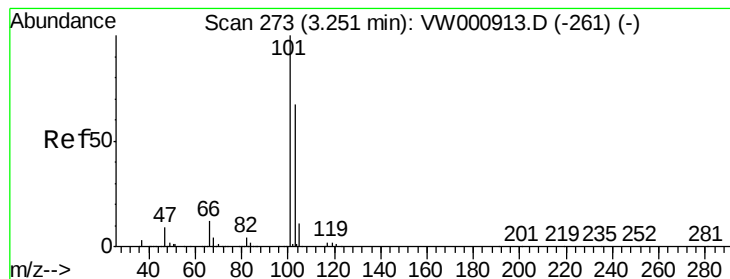
Tgt Ion: 64 Resp: 10720

Ion Ratio Lower Upper

64 100

66 29.6 26.1 39.1



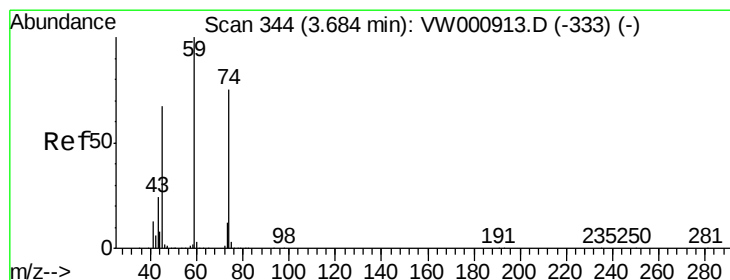
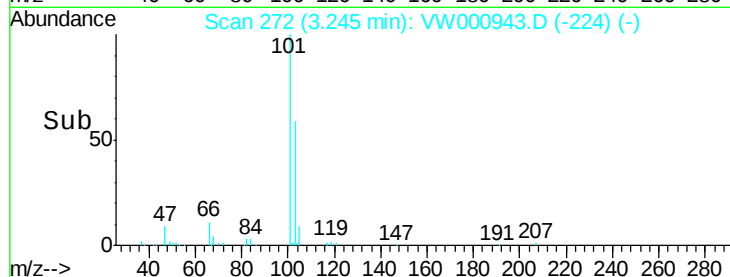
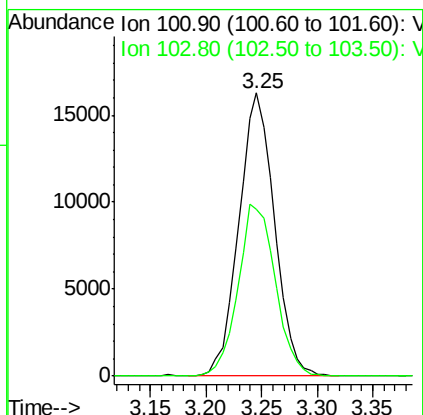
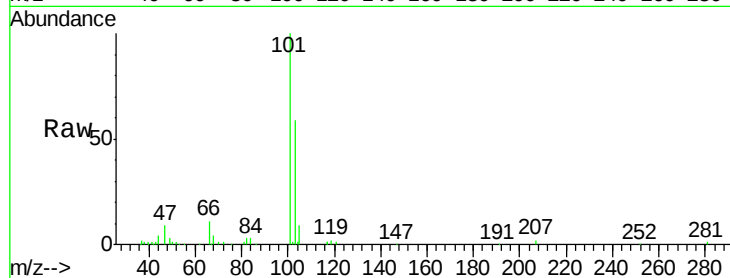


#7

Trichlorofluoromethane
Concen: 10.18 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Instrument :
MSVOA_W
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LOQ-SOIL-02-QT1-2018

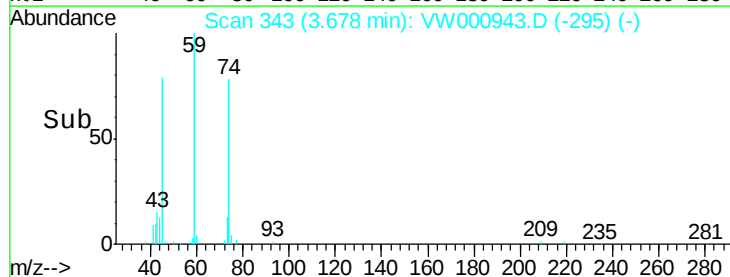
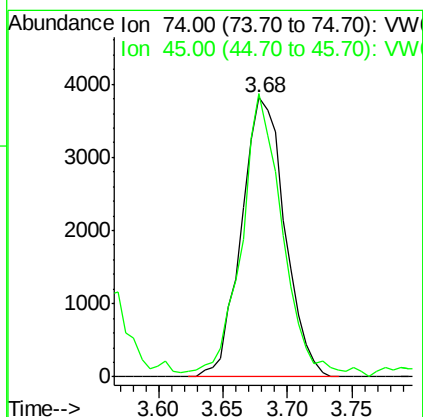
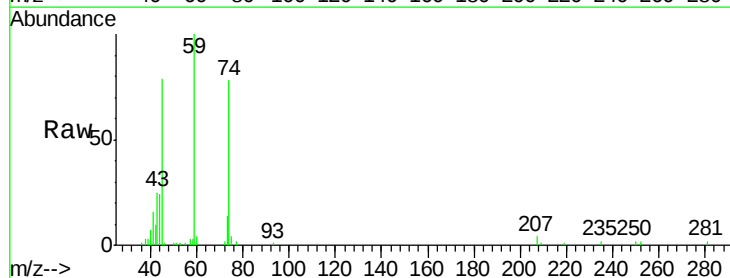
Tgt Ion: 101 Resp: 36152
Ion Ratio Lower Upper
101 100
103 59.1 53.4 80.0

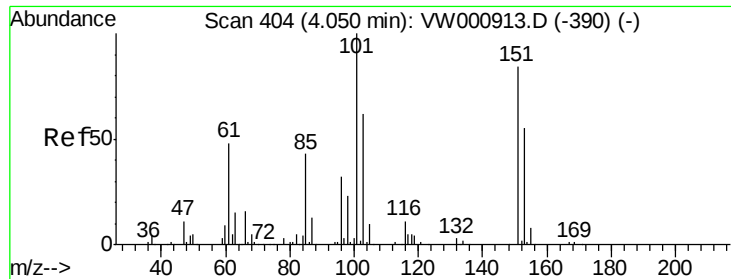


#8

Diethyl Ether
Concen: 10.01 ug/l
RT: 3.68 min Scan# 343
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 74 Resp: 8903
Ion Ratio Lower Upper
74 100
45 96.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.94 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

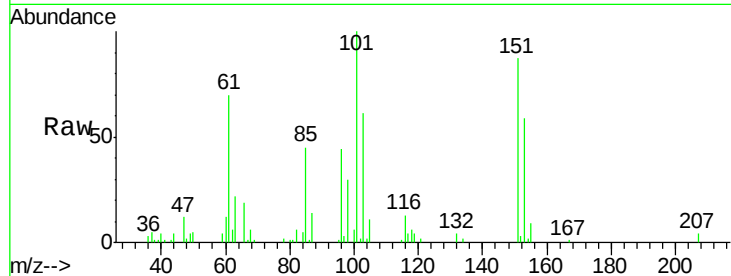
Tgt Ion:101 Resp: 25090

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

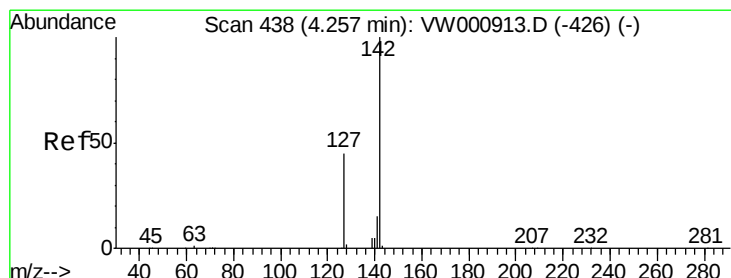
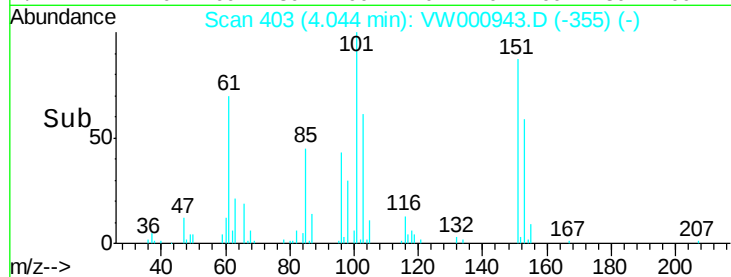
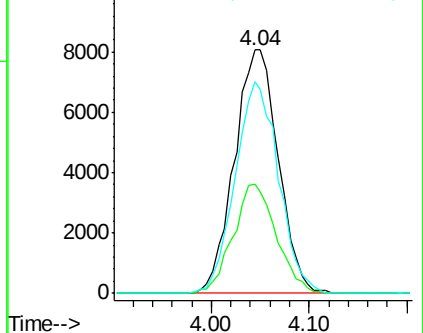
151 86.0 69.9 104.9



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: 11.21 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

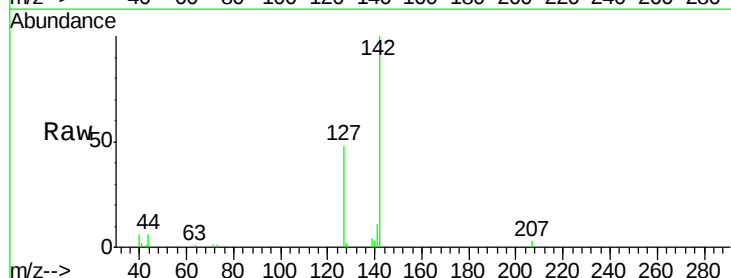
Tgt Ion:142 Resp: 17111

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

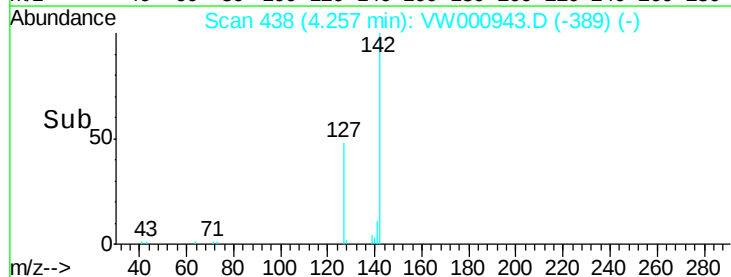
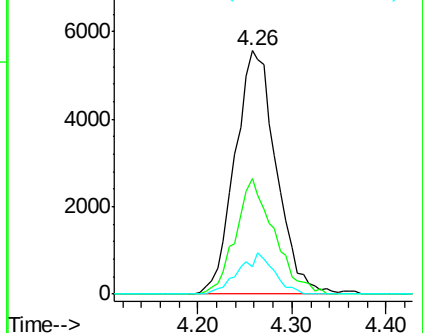
141 14.5 11.7 17.5

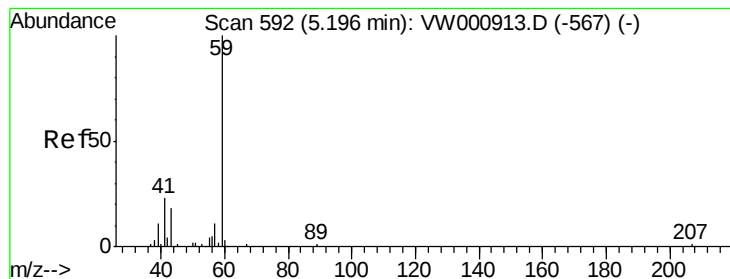


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



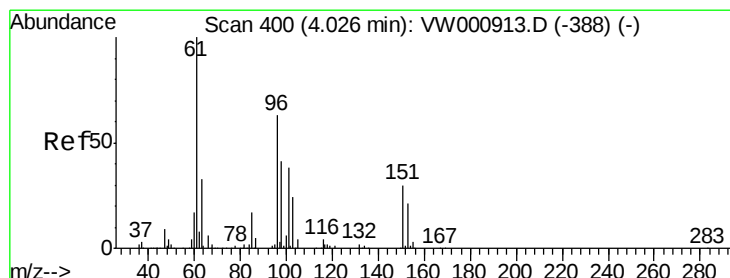
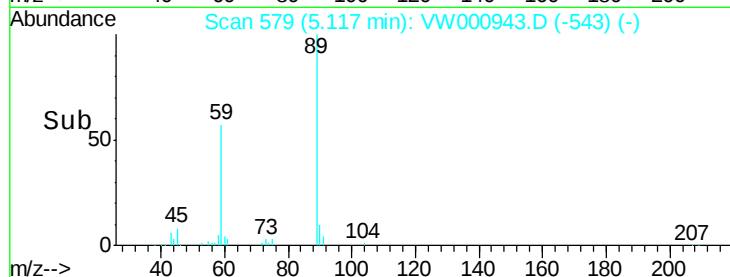
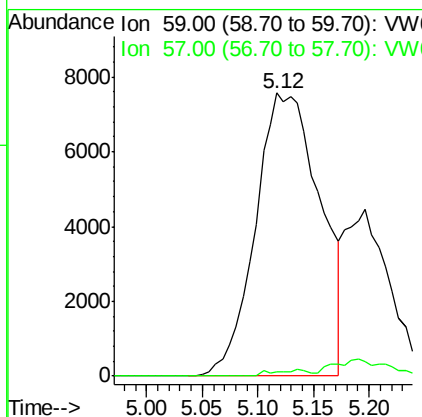
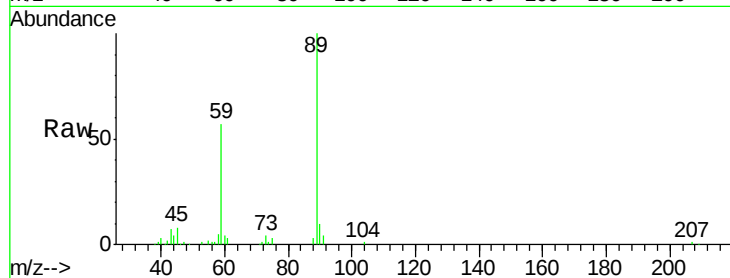


#11

Tert butyl alcohol
Concen: 120.90 ug/l
RT: 5.12 min Scan# 579
Delta R.T. -0.08 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

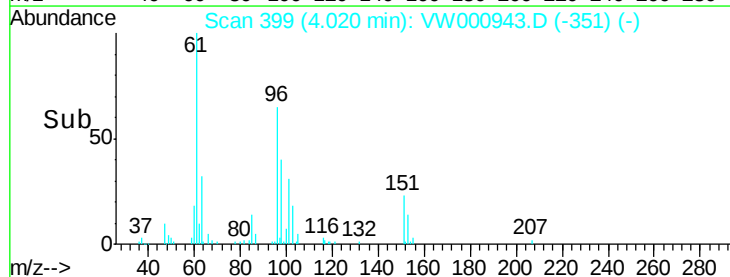
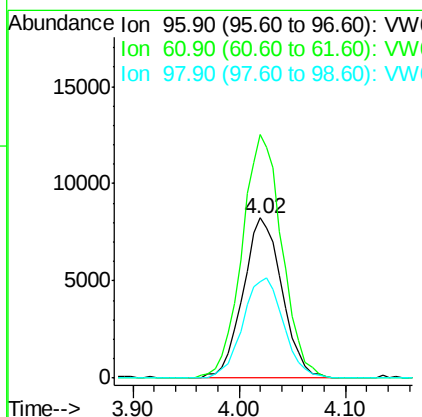
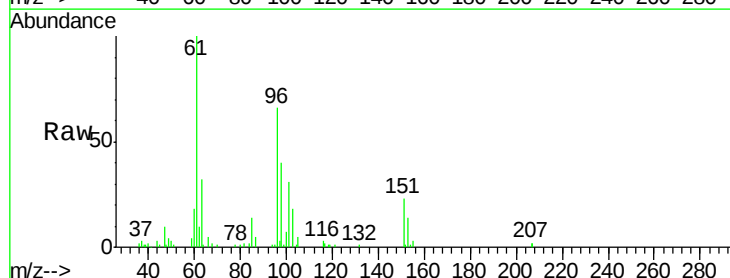
Tgt Ion: 59 Resp: 30574
Ion Ratio Lower Upper
59 100
57 1.4 7.0 10.6#

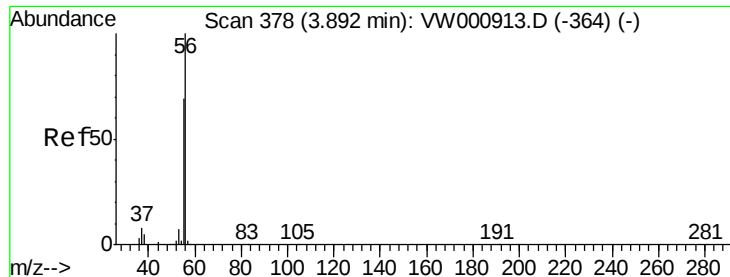


#12

1,1-Dichloroethene
Concen: 10.78 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 96 Resp: 21261
Ion Ratio Lower Upper
96 100
61 152.0 126.7 190.1
98 60.4 52.1 78.1





#13

Acrolein

Concen: 52.14 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

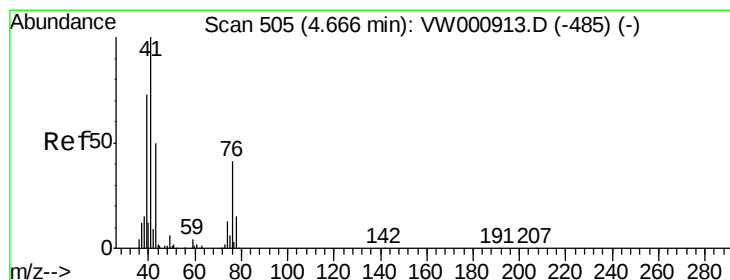
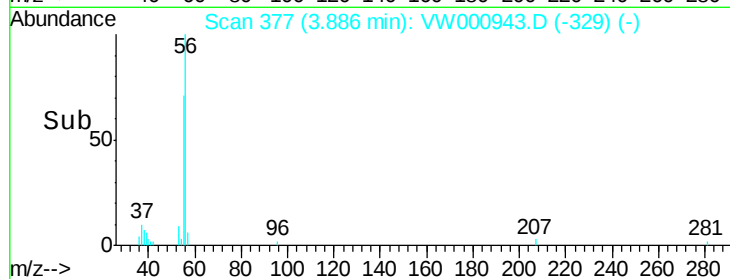
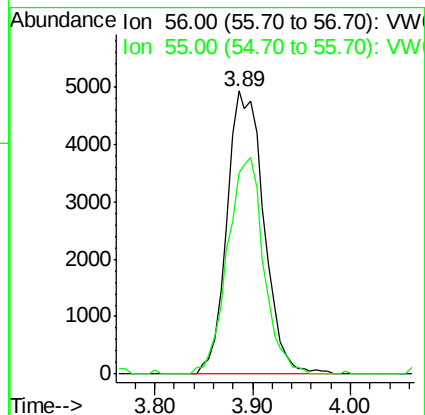
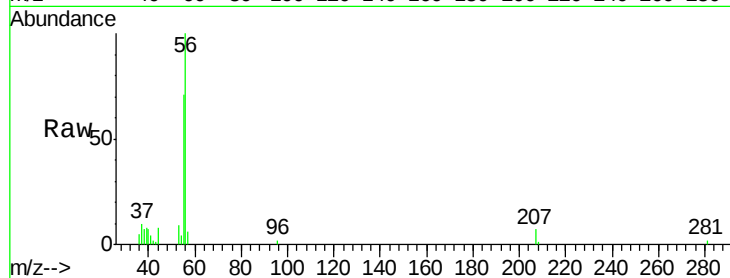
LOQ-SOIL-02-QT1-2018

Tgt Ion: 56 Resp: 12873

Ion Ratio Lower Upper

56 100

55 75.2 55.4 83.0



#14

Allyl chloride

Concen: 10.25 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

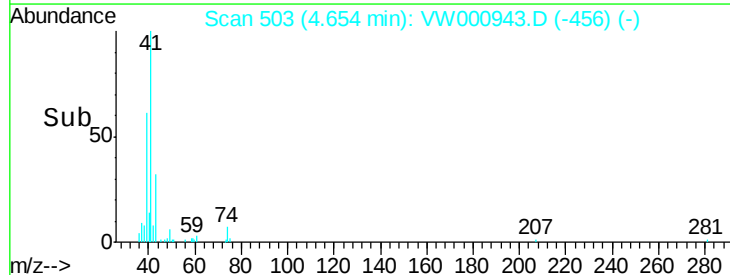
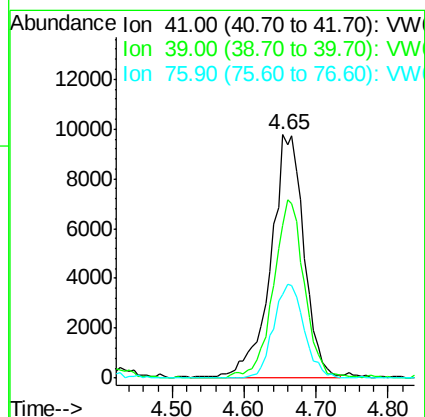
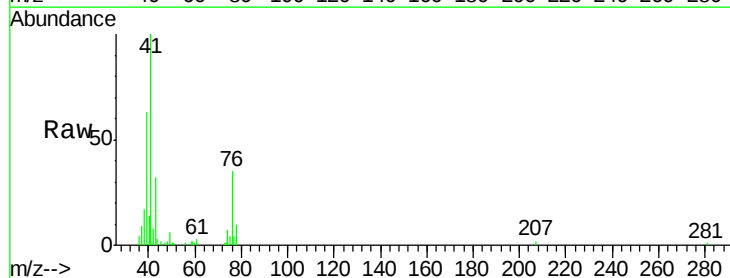
Tgt Ion: 41 Resp: 31476

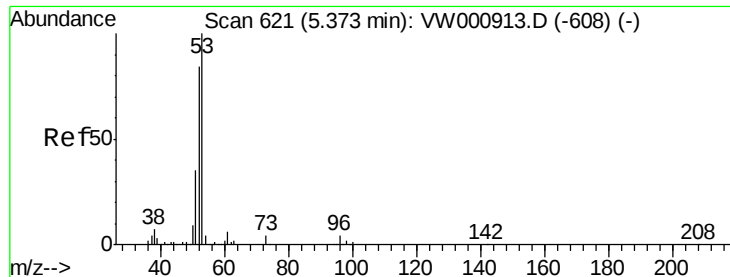
Ion Ratio Lower Upper

41 100

39 67.9 55.3 82.9

76 35.2 29.9 44.9

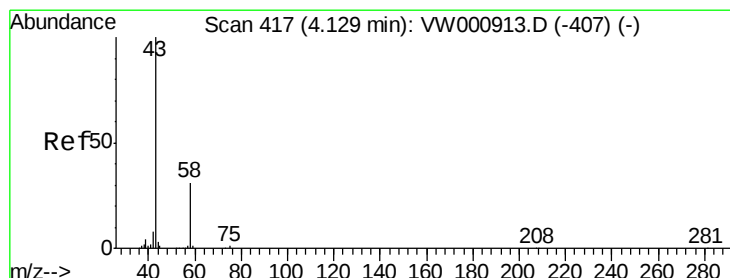
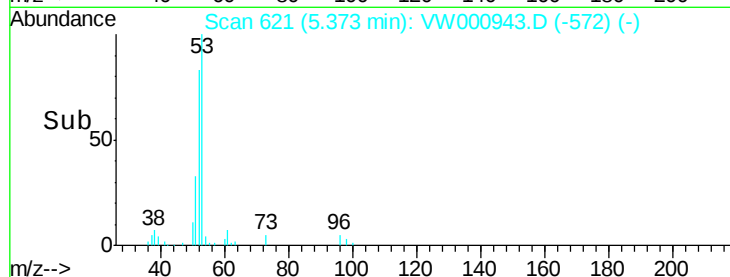
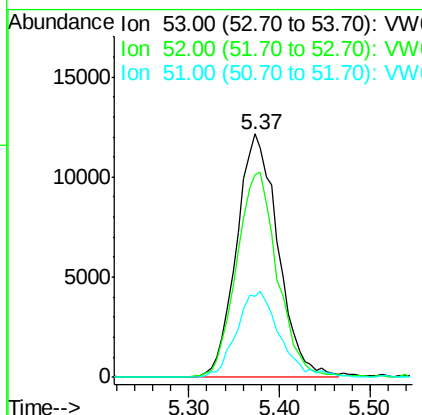
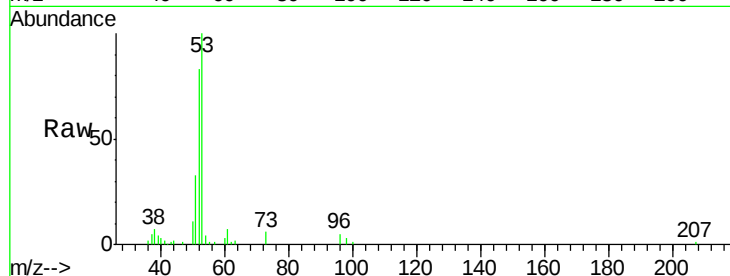




#15
 Acrylonitrile
 Concen: 55.36 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

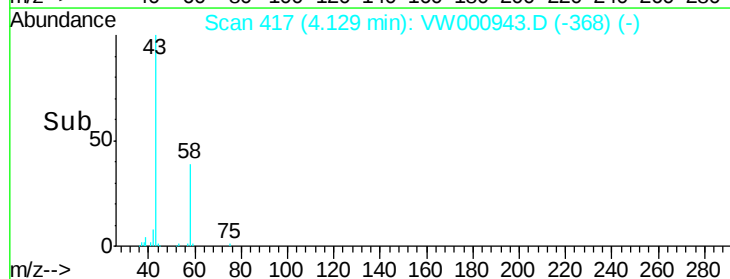
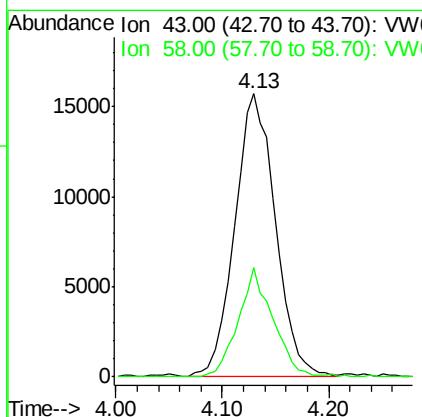
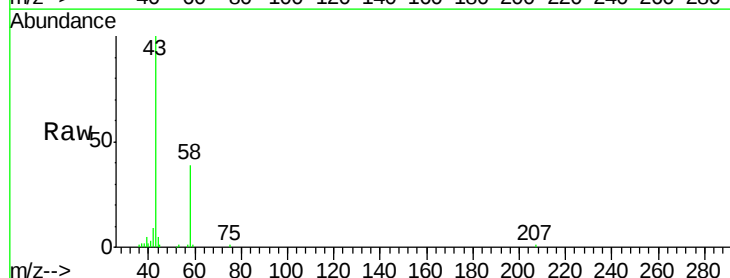
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

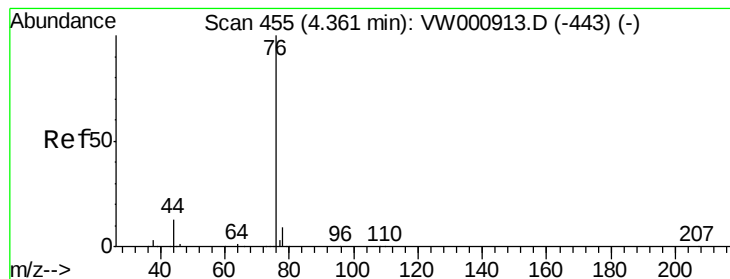
Tgt Ion: 53 Resp: 38457
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.6 99.8
 51 36.8 29.4 44.0



#16
 Acetone
 Concen: 56.40 ug/l
 RT: 4.13 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 43 Resp: 42079
 Ion Ratio Lower Upper
 43 100
 58 38.7 24.9 37.3#





#17

Carbon Disulfide

Concen: 10.06 ug/l

RT: 4.36 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

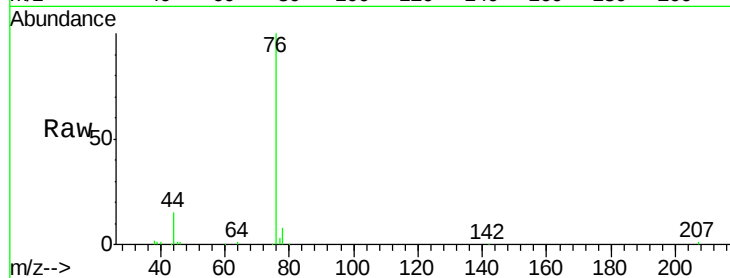
LOQ-SOIL-02-QT1-2018

Tgt Ion: 76 Resp: 65516

Ion Ratio Lower Upper

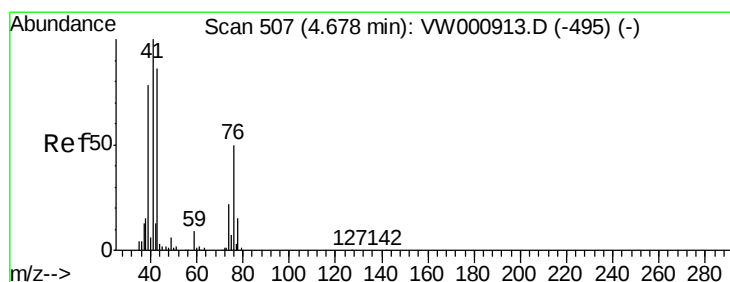
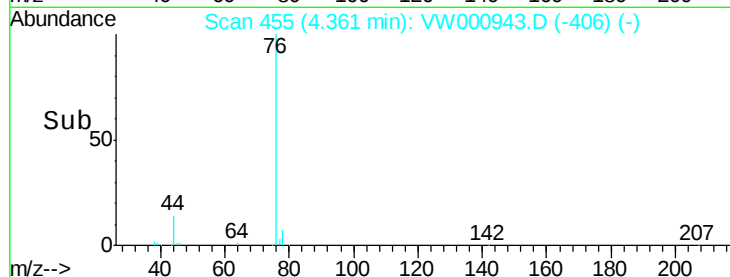
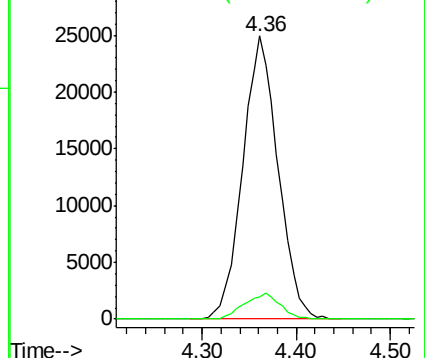
76 100

78 7.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 11.92 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW000943.D

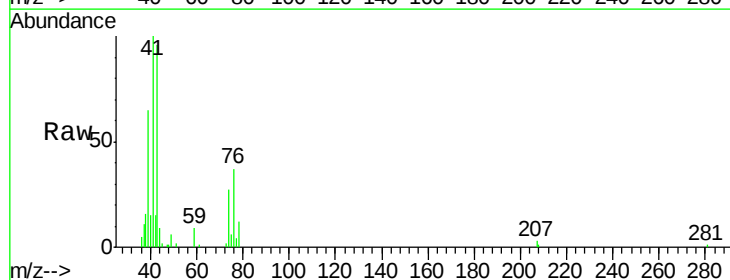
Acq: 24 Jan 2018 12:46

Tgt Ion: 43 Resp: 20453

Ion Ratio Lower Upper

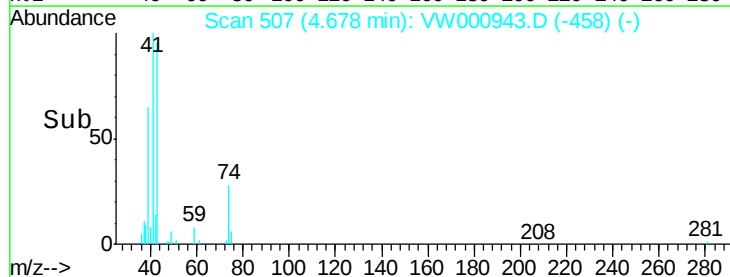
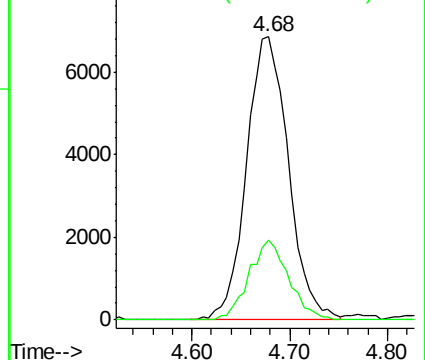
43 100

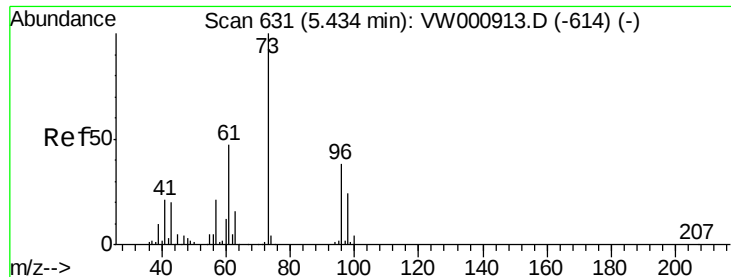
74 26.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 9.81 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

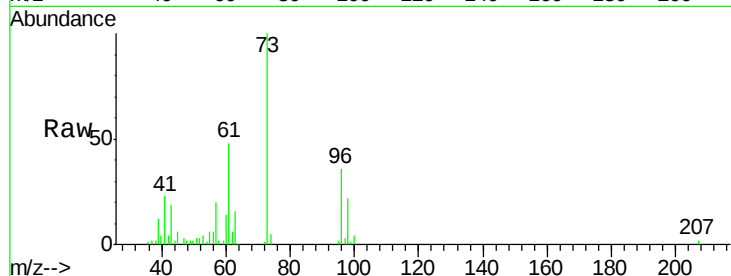
LOQ-SOIL-02-QT1-2018

Tgt Ion: 73 Resp: 49661

Ion Ratio Lower Upper

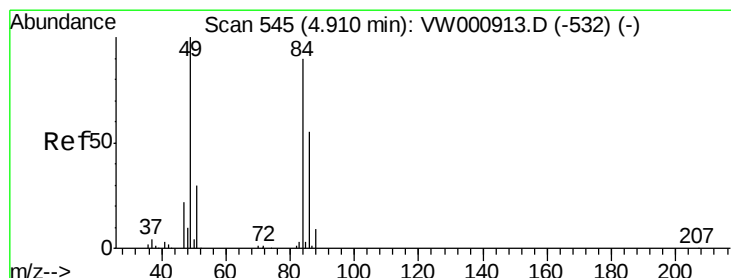
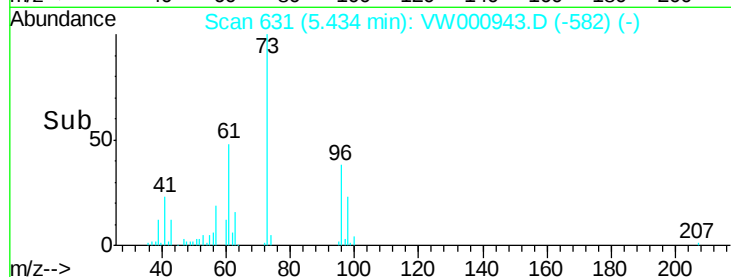
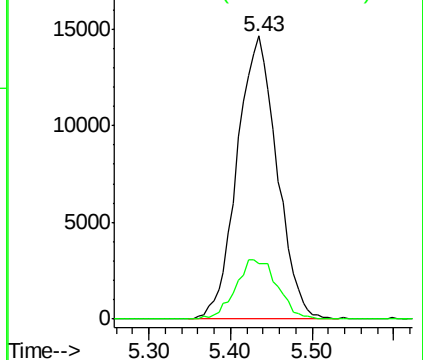
73 100

57 19.6 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 10.56 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Tgt Ion: 84 Resp: 27146

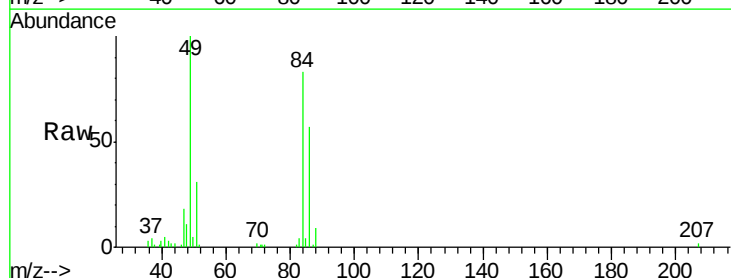
Ion Ratio Lower Upper

84 100

49 120.2 89.0 133.4

51 36.7 26.7 40.1

86 68.6 48.7 73.1

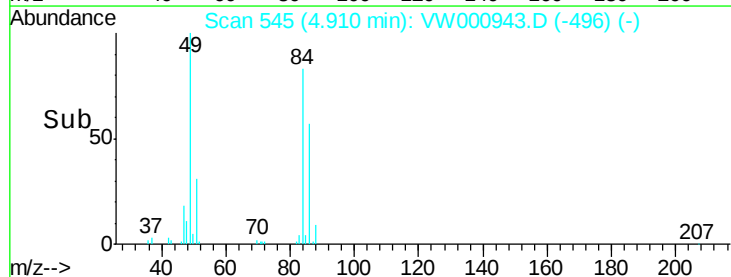
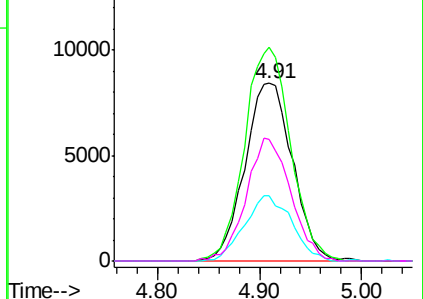


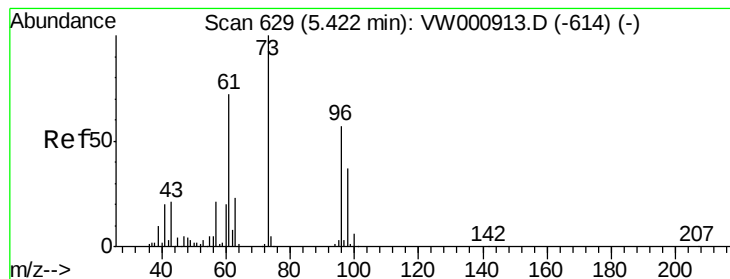
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 10.26 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

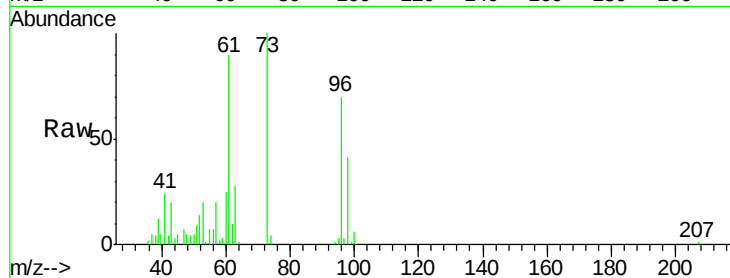
Tgt Ion: 96 Resp: 23510

Ion Ratio Lower Upper

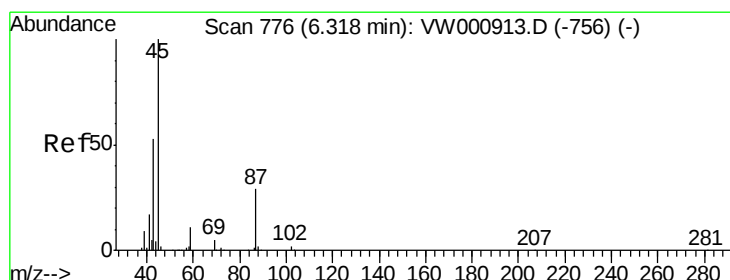
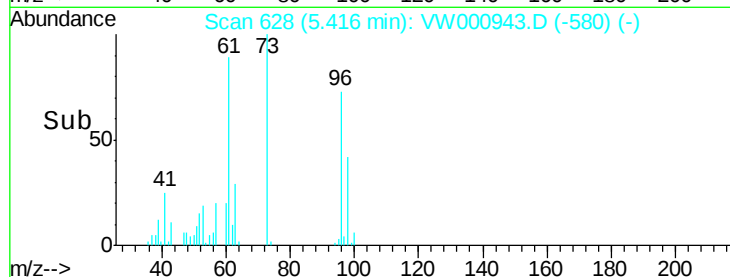
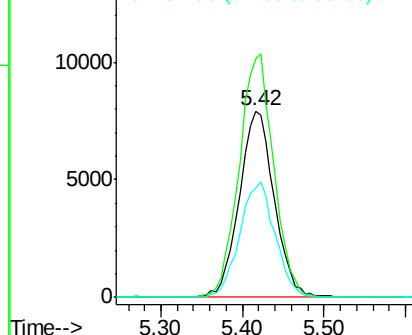
96 100

61 127.7 101.1 151.7

98 58.3 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 9.89 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Tgt Ion: 45 Resp: 54398

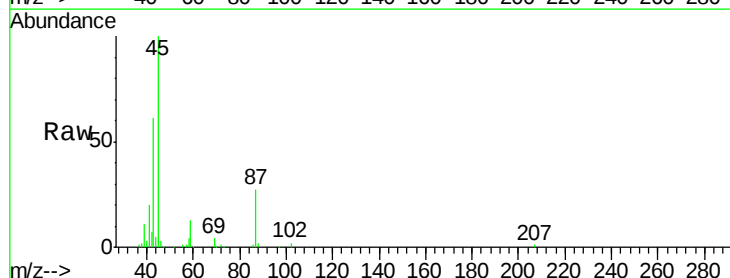
Ion Ratio Lower Upper

45 100

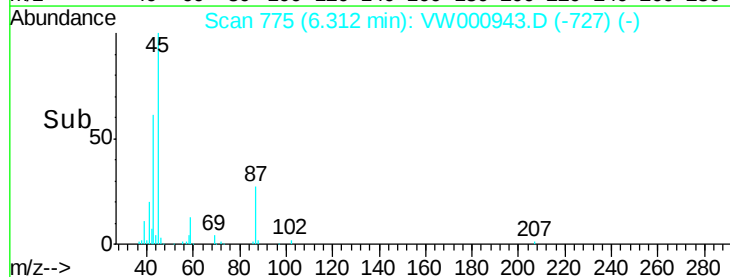
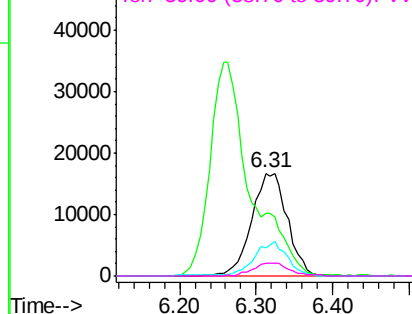
43 60.0 42.7 64.1

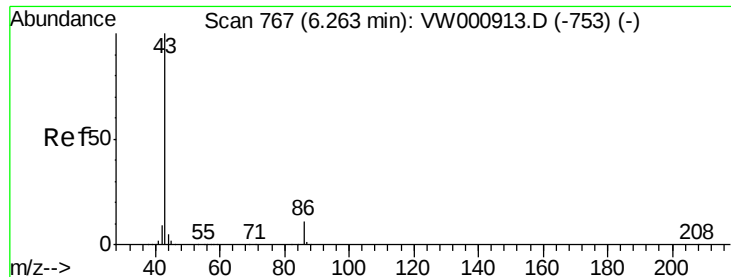
87 27.2 23.8 35.8

59 12.6 9.0 13.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 37.34 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

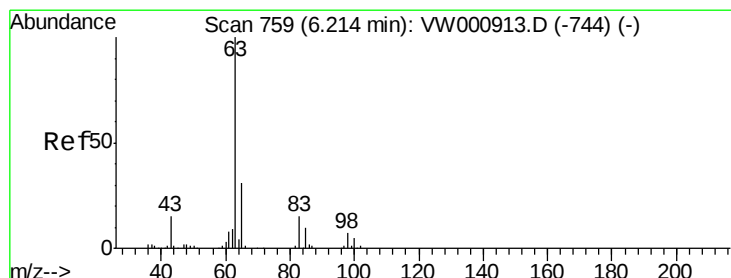
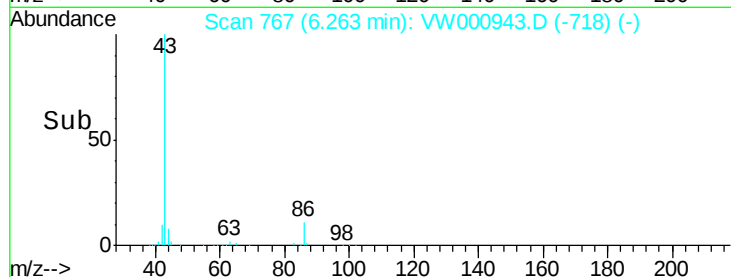
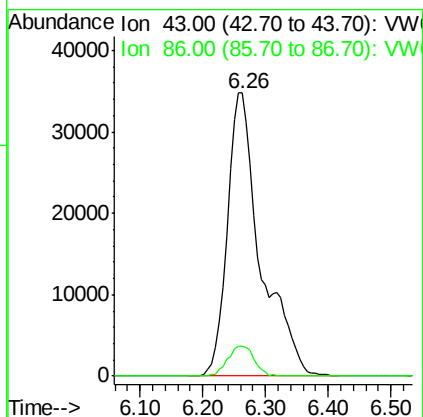
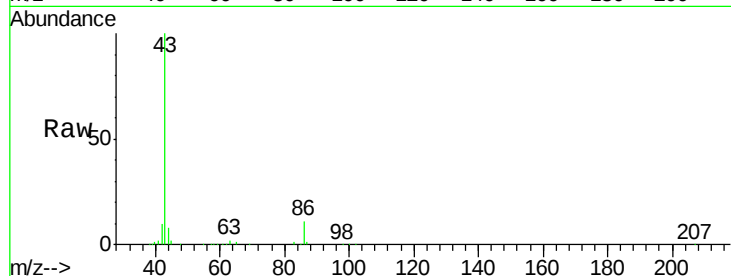
LOQ-SOIL-02-QT1-2018

Tgt Ion: 43 Resp: 127589

Ion Ratio Lower Upper

43 100

86 10.6 9.1 13.7



#24

1,1-Dichloroethane

Concen: 10.17 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

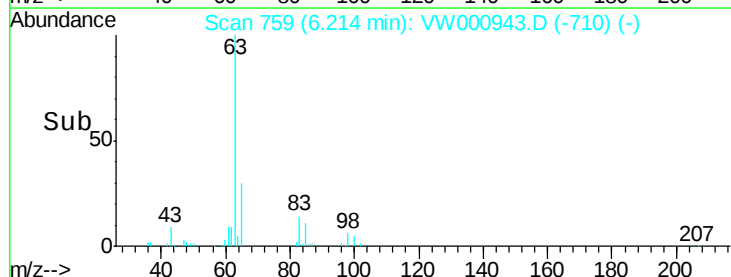
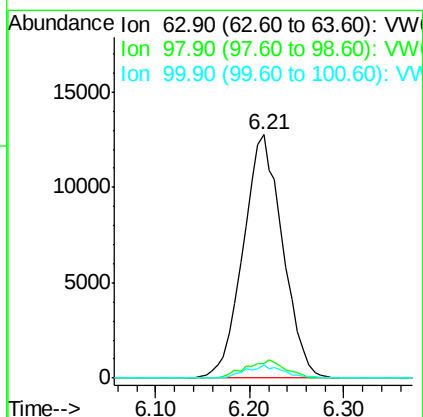
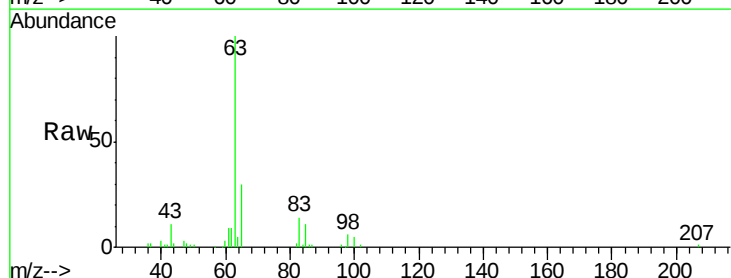
Tgt Ion: 63 Resp: 37458

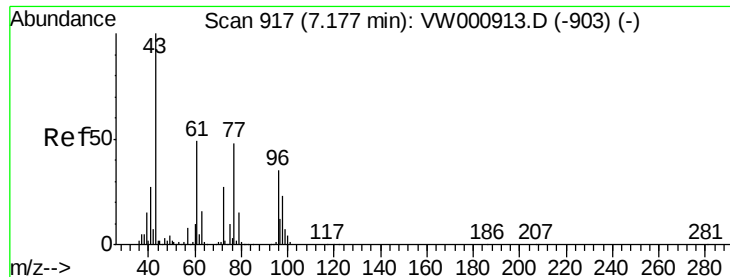
Ion Ratio Lower Upper

63 100

98 5.8 3.6 10.8

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 50.79 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

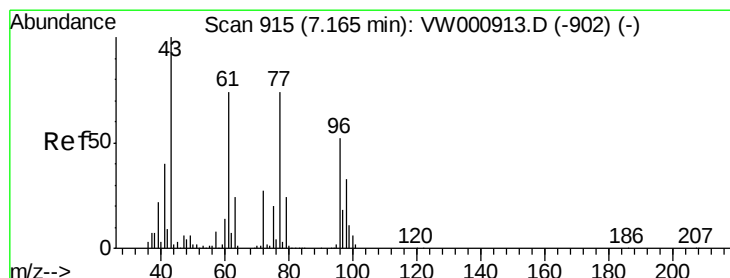
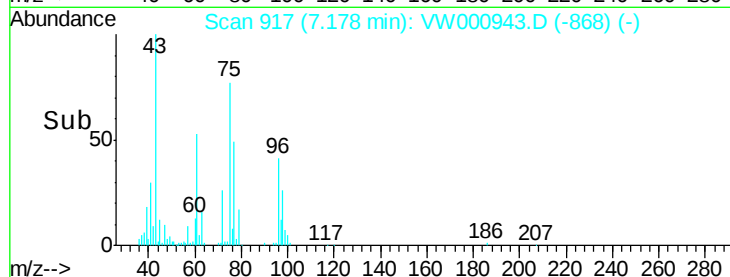
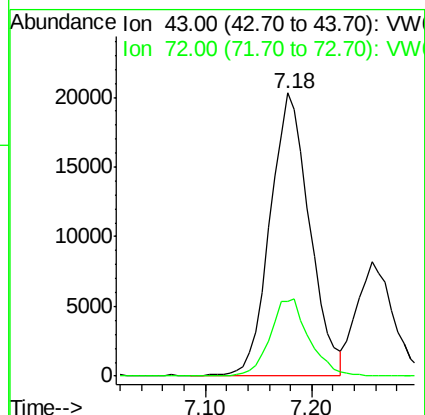
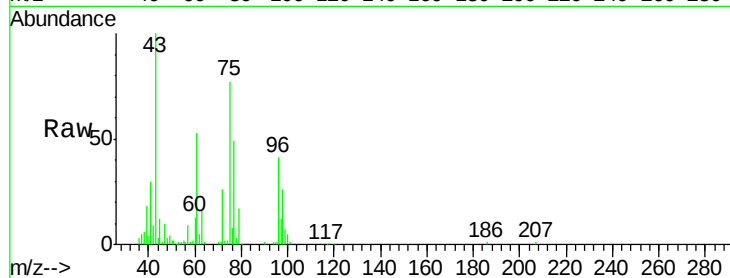
LOQ-SOIL-02-QT1-2018

Tgt Ion: 43 Resp: 52397

Ion Ratio Lower Upper

43 100

72 26.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 10.14 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000943.D

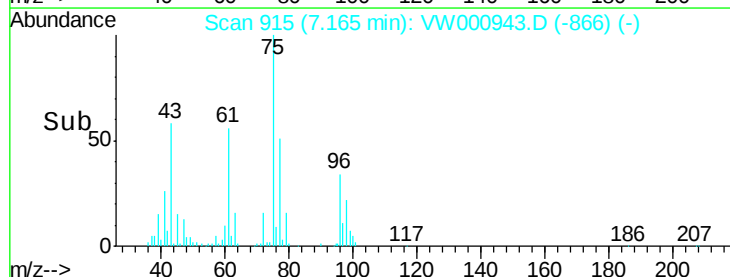
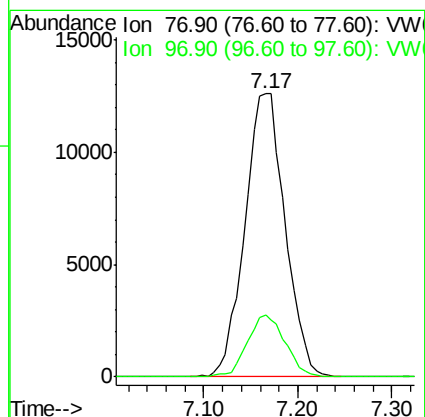
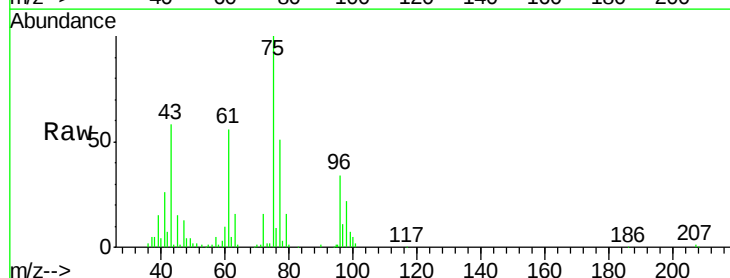
Acq: 24 Jan 2018 12:46

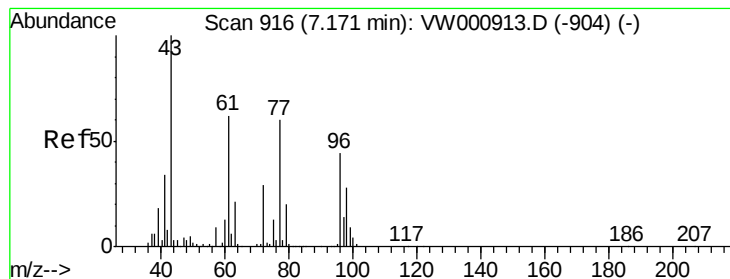
Tgt Ion: 77 Resp: 37783

Ion Ratio Lower Upper

77 100

97 20.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 10.19 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

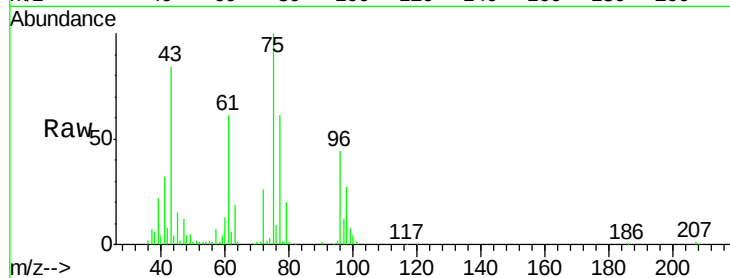
Tgt Ion: 96 Resp: 24129

Ion Ratio Lower Upper

96 100

61 145.3 0.0 279.8

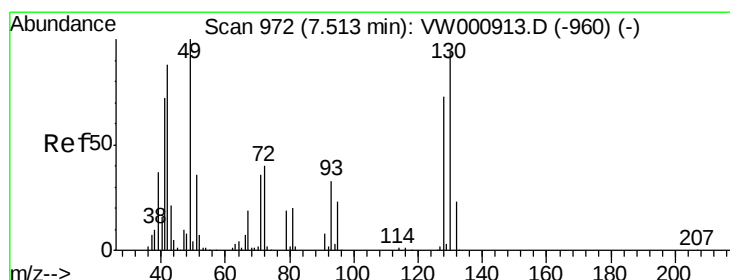
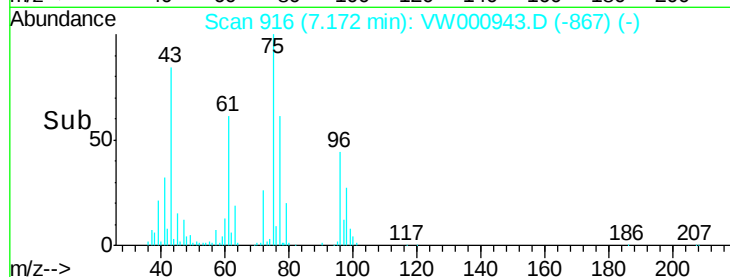
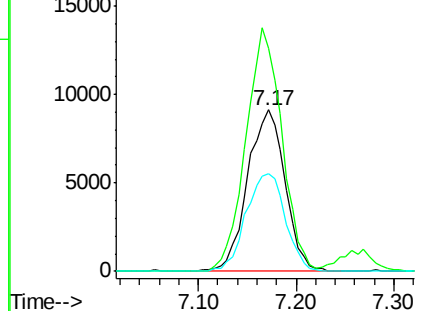
98 63.7 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 10.20 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

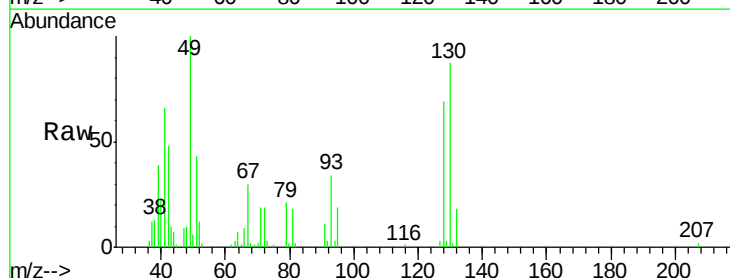
Tgt Ion: 49 Resp: 15777

Ion Ratio Lower Upper

49 100

129 0.9 0.0 2.8

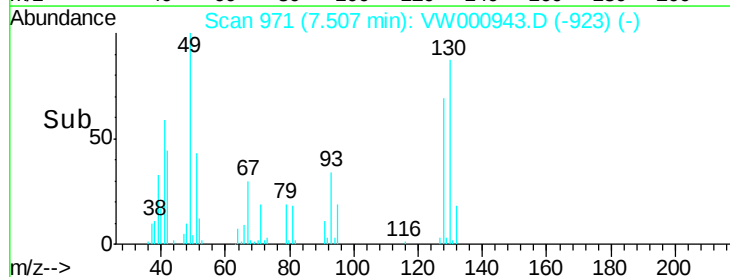
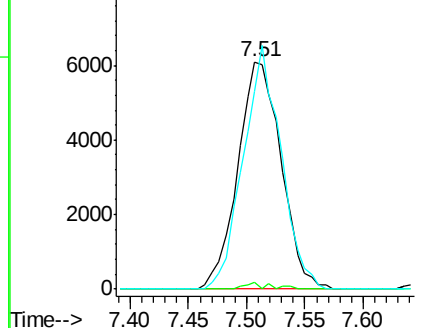
130 93.2 73.8 110.6

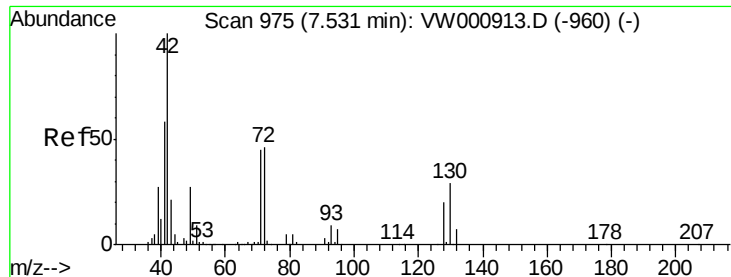


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

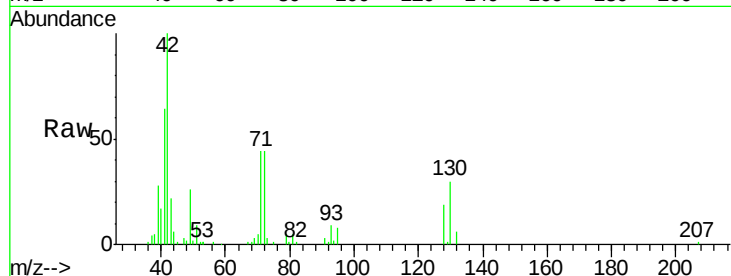




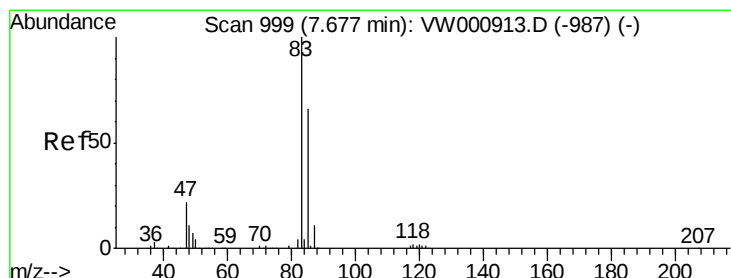
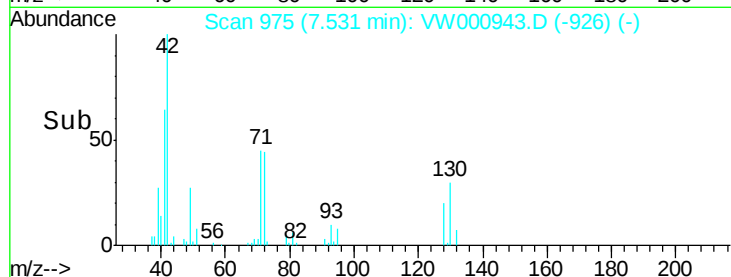
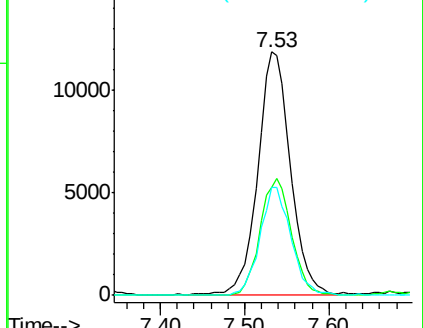
#29
Tetrahydrofuran
Concen: 55.98 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion: 42 Resp: 31774
Ion Ratio Lower Upper
42 100
72 45.9 37.1 55.7
71 42.2 34.9 52.3

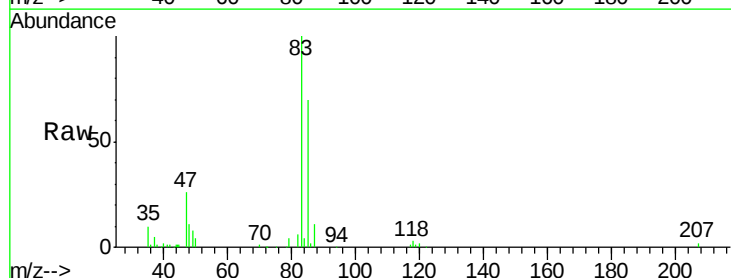


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

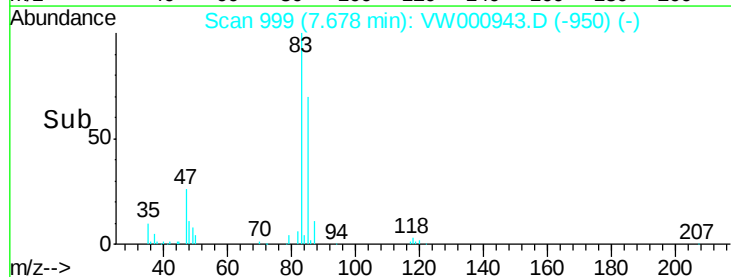
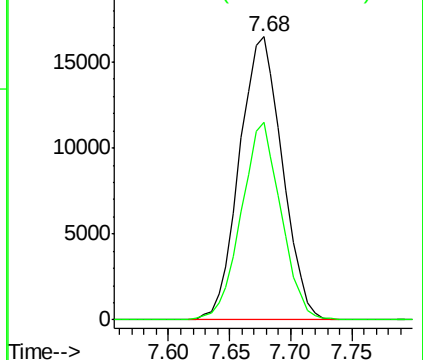


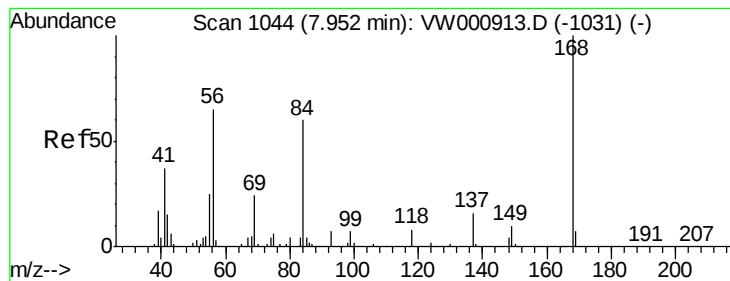
#30
Chloroform
Concen: 10.09 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 83 Resp: 40080
Ion Ratio Lower Upper
83 100
85 69.6 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: 10.43 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

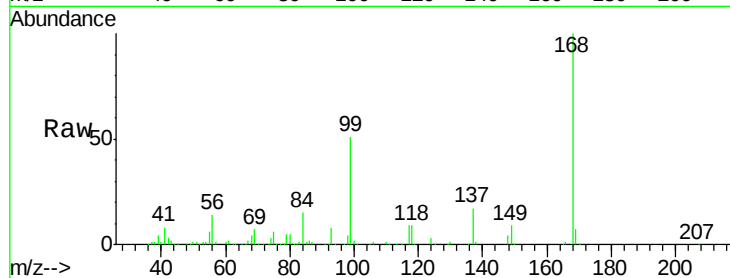
Tgt Ion: 56 Resp: 39637

Ion Ratio Lower Upper

56 100

69 50.4 29.2 43.8#

84 102.7 73.6 110.4

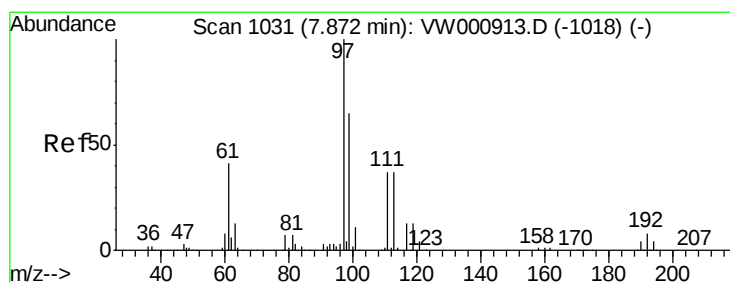
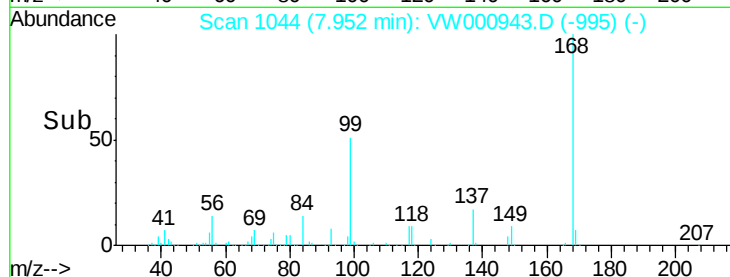
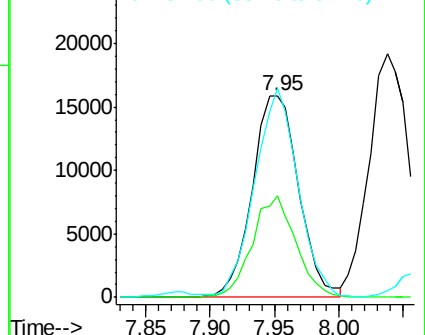


Abundance

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: 10.18 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

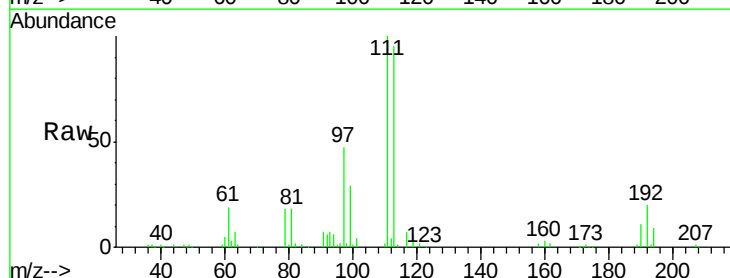
Tgt Ion: 97 Resp: 39060

Ion Ratio Lower Upper

97 100

99 65.1 52.6 78.8

61 41.2 32.9 49.3

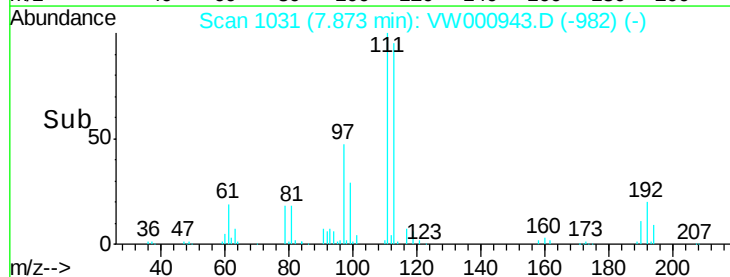
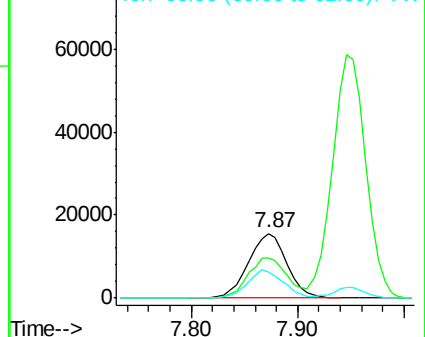


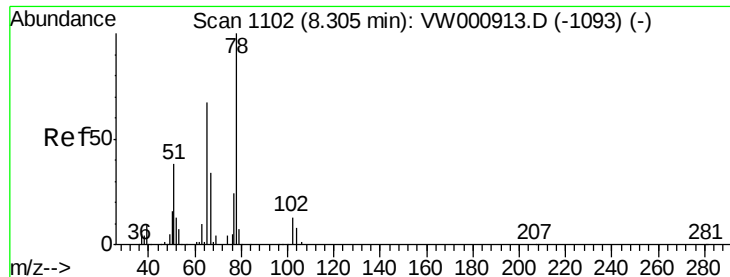
Abundance

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

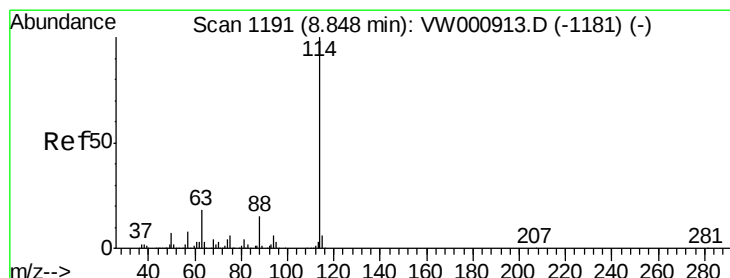
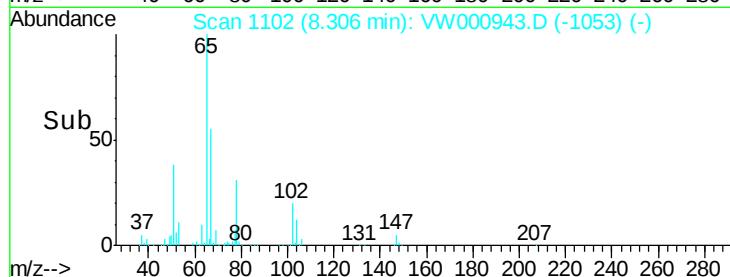
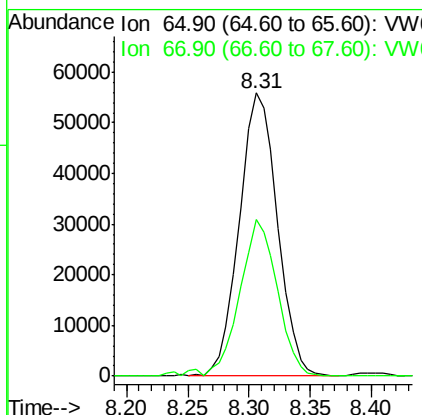
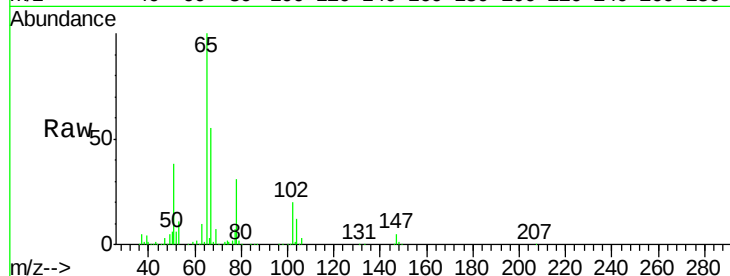




#33
 1,2-Dichloroethane-d4
 Concen: 51.69 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

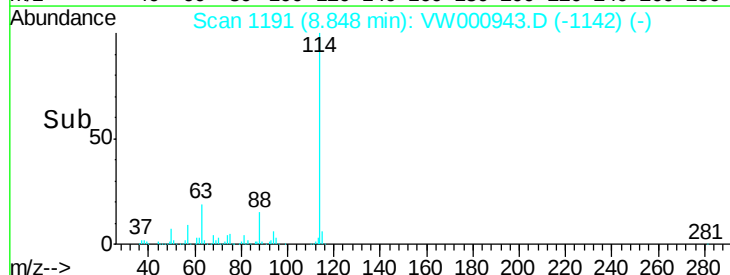
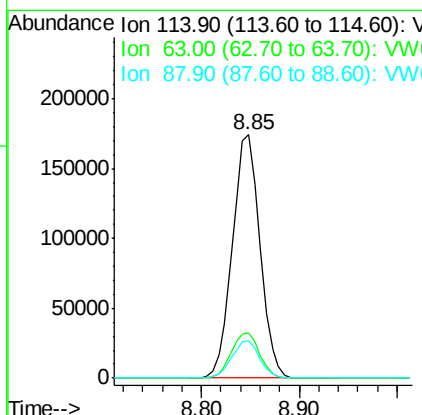
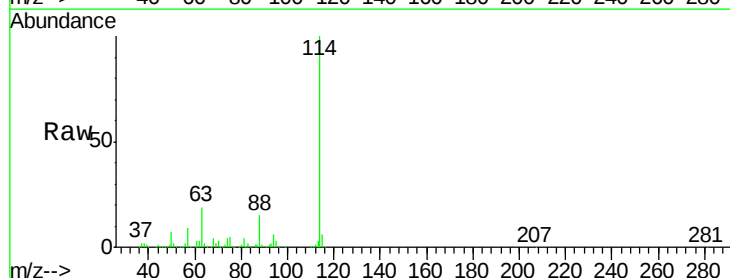
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

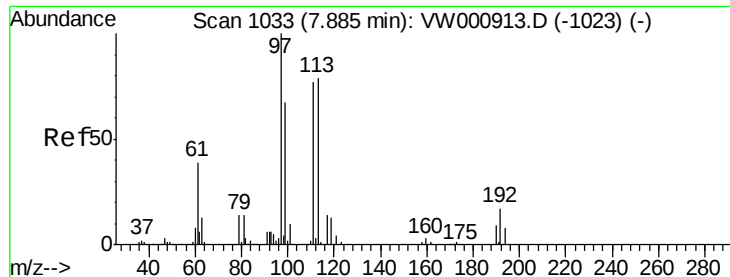
Tgt Ion: 65 Resp: 120540
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 114 Resp: 341060
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.2 0.0 29.8

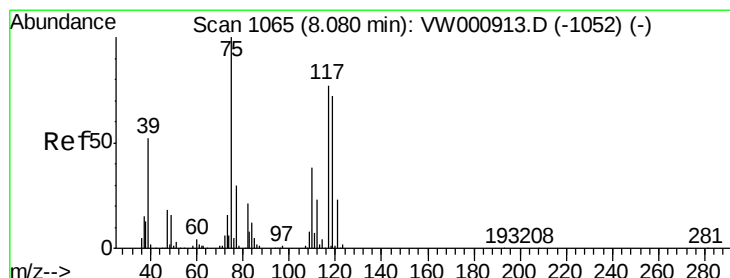
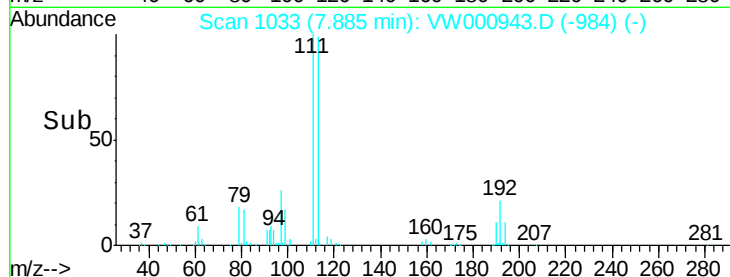
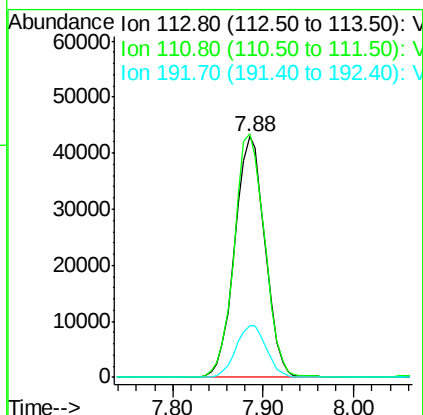
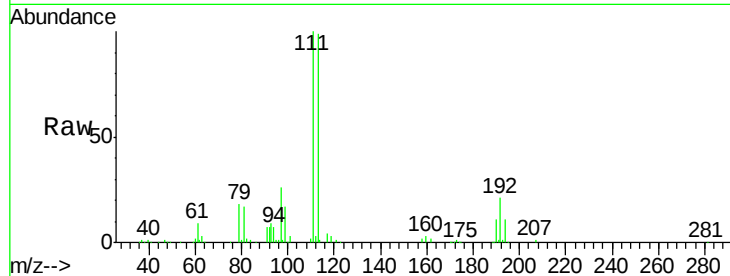




#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

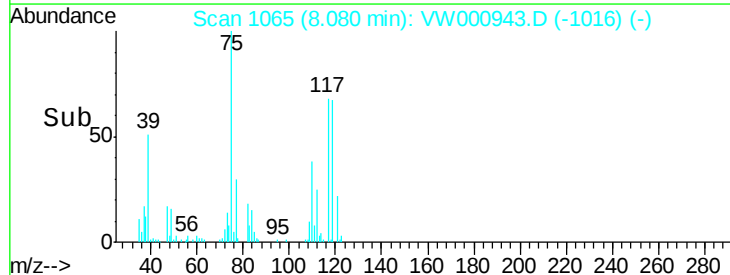
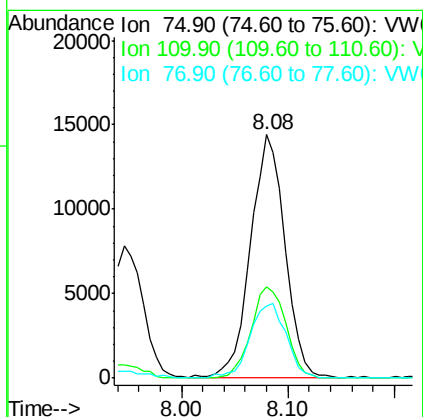
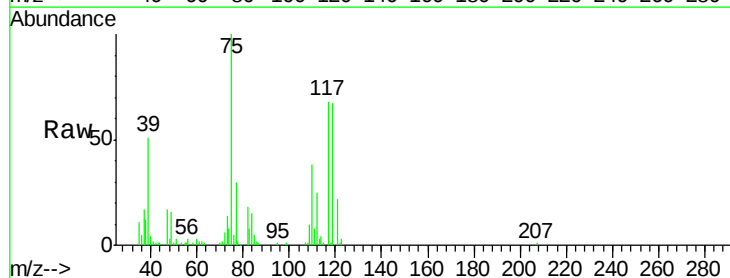
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

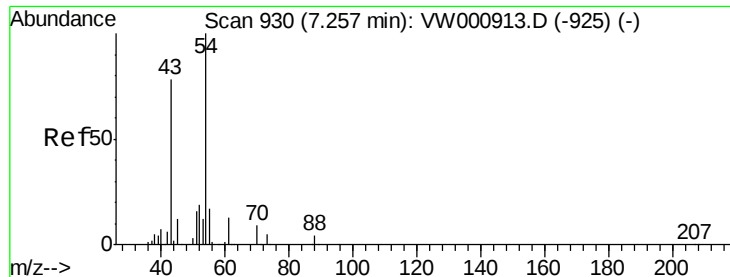
Tgt Ion:113 Resp: 100218
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.4 120.6
 192 21.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 10.09 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 75 Resp: 32842
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.6 56.0
 77 32.1 24.6 36.8

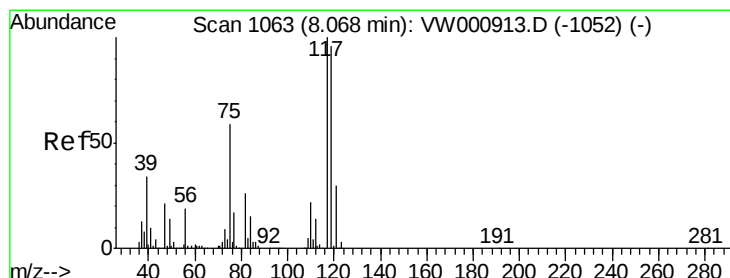
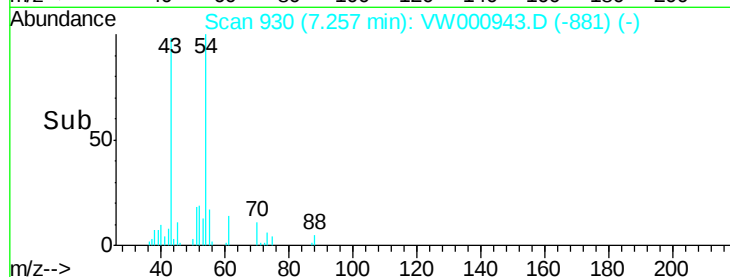
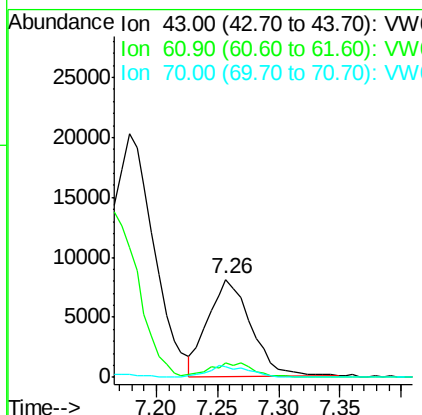
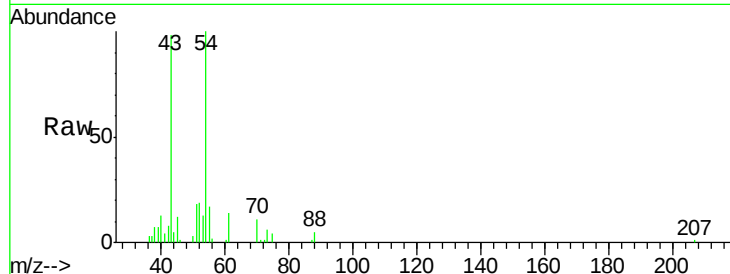




#37
 Ethyl Acetate
 Concen: 10.79 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

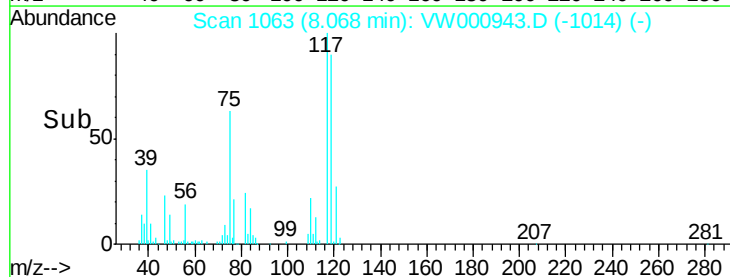
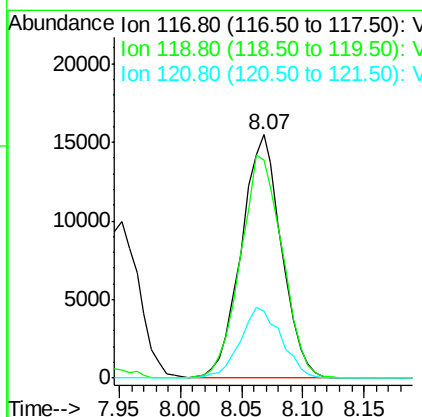
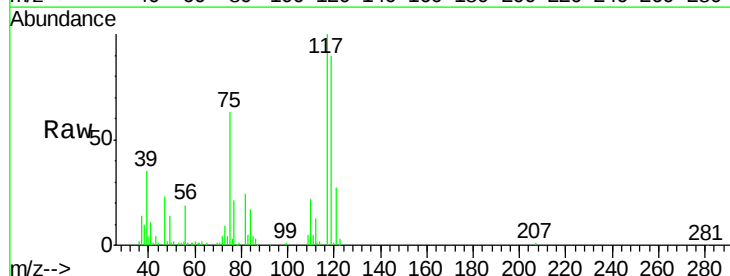
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

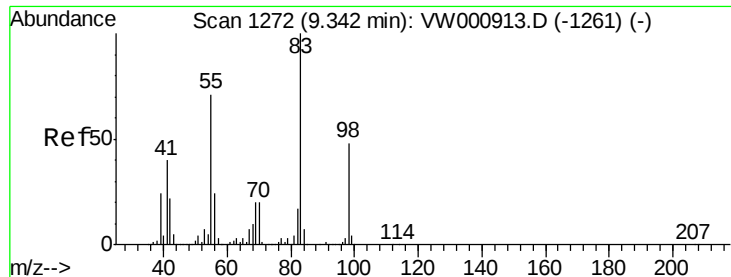
Tgt Ion: 43 Resp: 19824
 Ion Ratio Lower Upper
 43 100
 61 15.2 12.1 18.1
 70 11.3 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 9.87 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 117 Resp: 35428
 Ion Ratio Lower Upper
 117 100
 119 89.6 76.5 114.7
 121 27.3 24.3 36.5

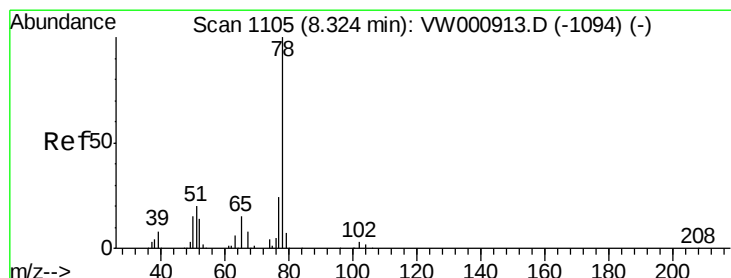
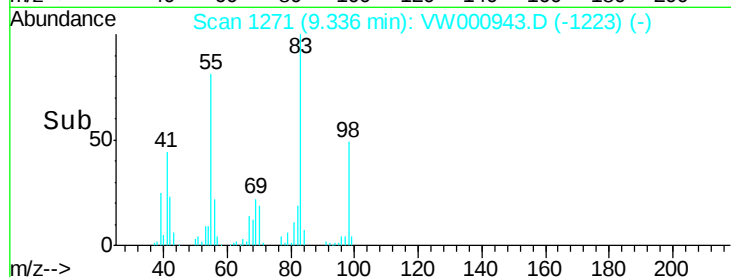
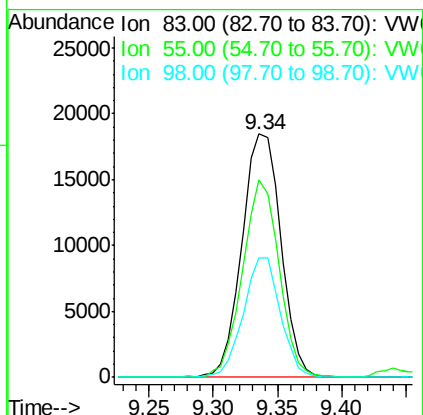
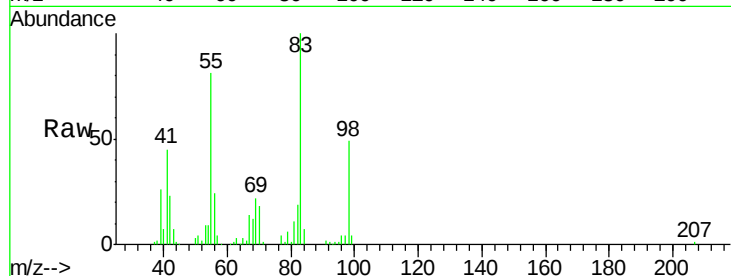




#39
Methylcyclohexane
Concen: 9.87 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

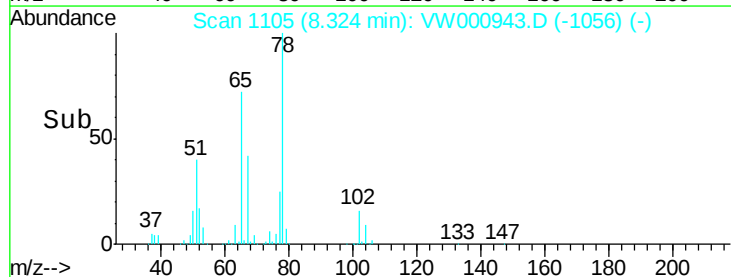
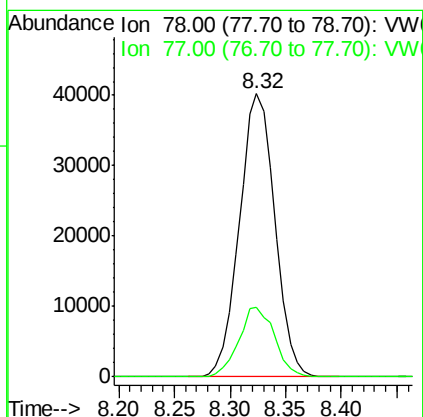
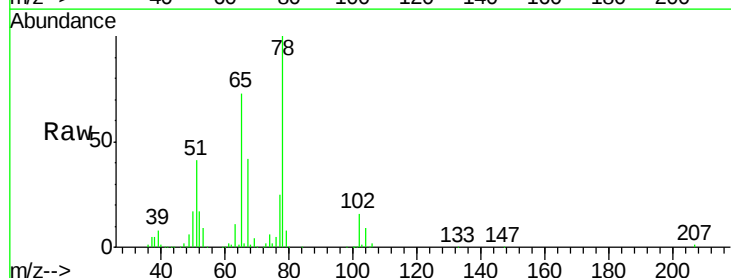
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

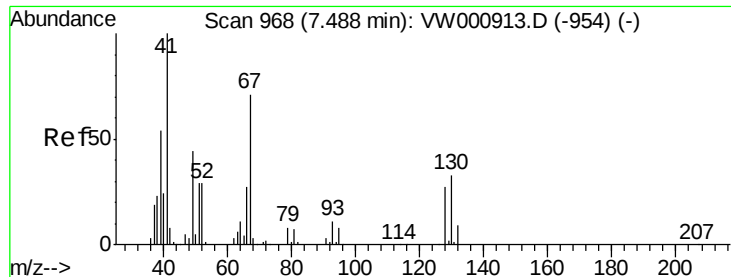
Tgt Ion: 83 Resp: 38673
Ion Ratio Lower Upper
83 100
55 80.5 56.4 84.6
98 49.1 38.2 57.4



#40
Benzene
Concen: 10.07 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 78 Resp: 89117
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

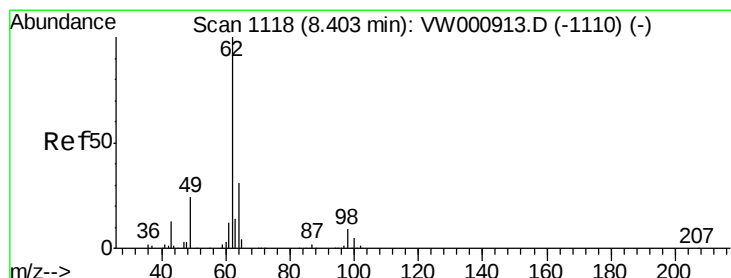
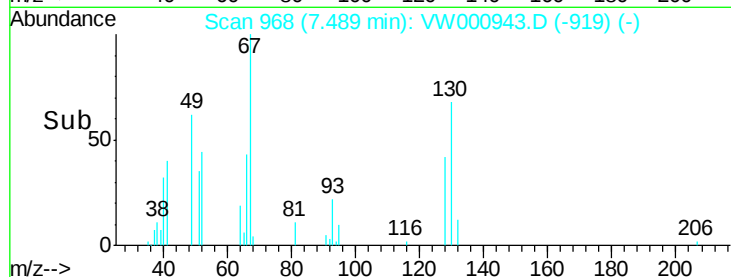
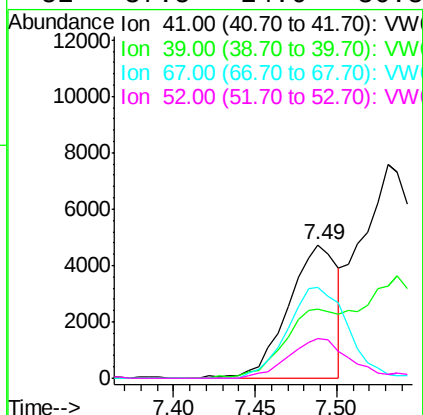
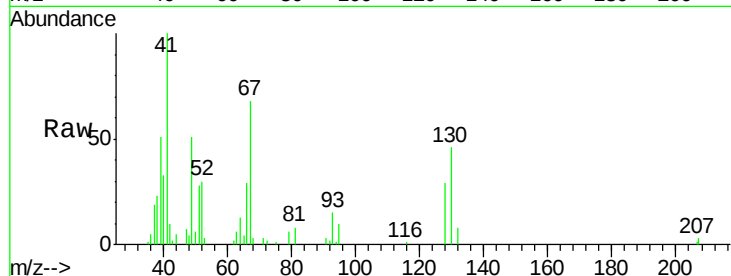




#41
Methacrylonitrile
Concen: 9.66 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

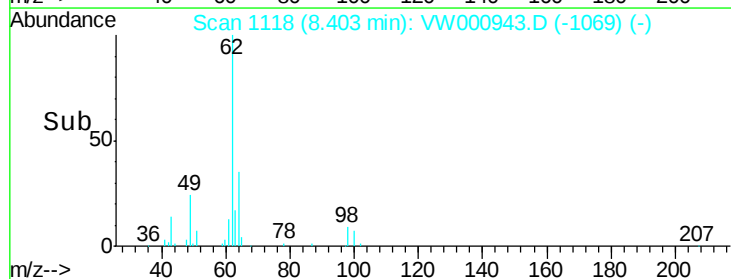
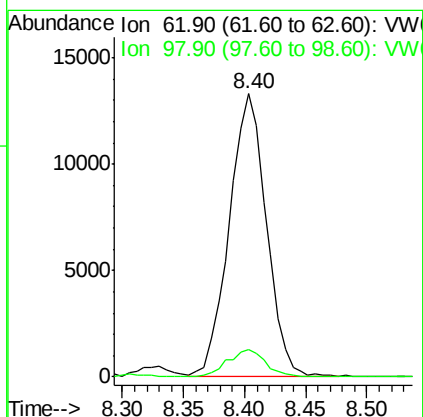
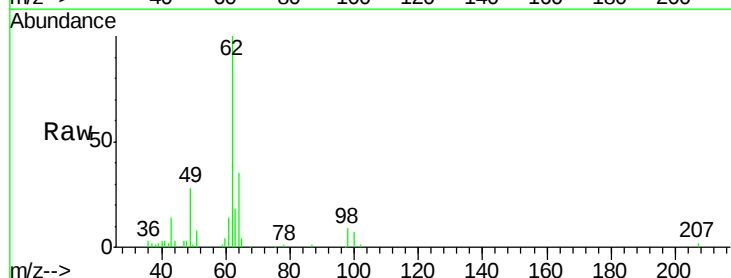
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

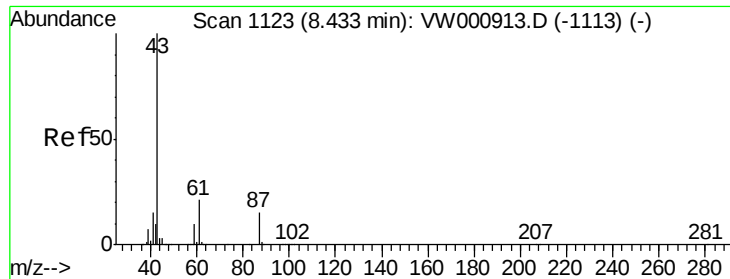
Tgt Ion:	41	Resp:	9955
Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.4	65.0
67	83.9	59.0	88.4
52	37.5	24.6	36.8#



#42
1,2-Dichloroethane
Concen: 10.28 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion:	62	Resp:	28034
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.0





#43

Isopropyl Acetate

Concen: 10.37 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

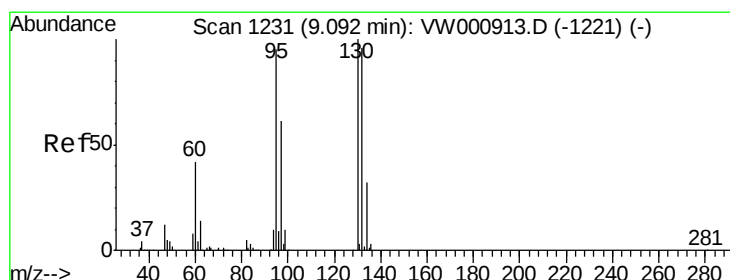
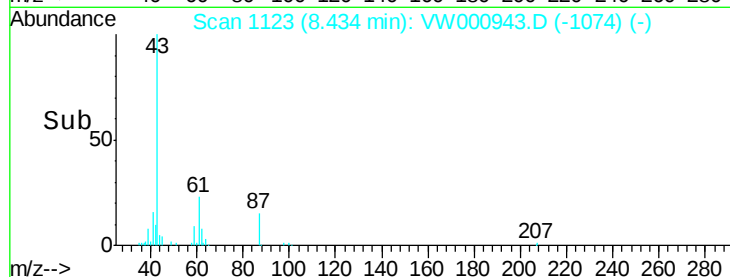
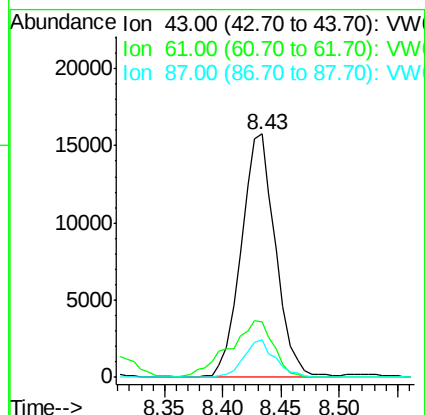
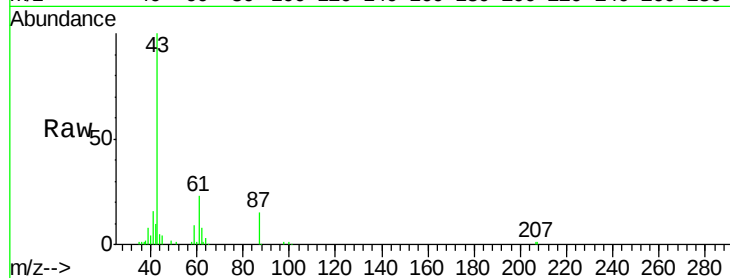
Tgt Ion: 43 Resp: 32279

Ion Ratio Lower Upper

43 100

61 30.1 23.6 35.4

87 14.1 11.7 17.5



#44

Trichloroethene

Concen: 10.30 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW000943.D

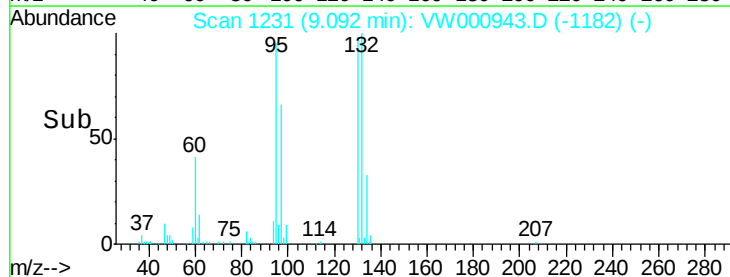
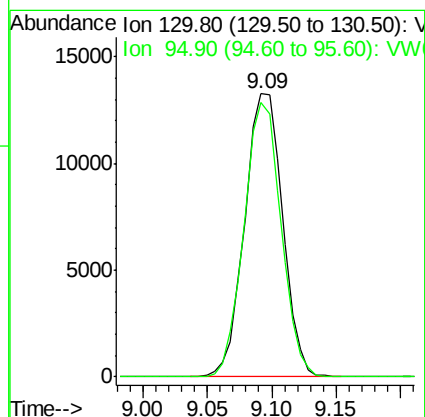
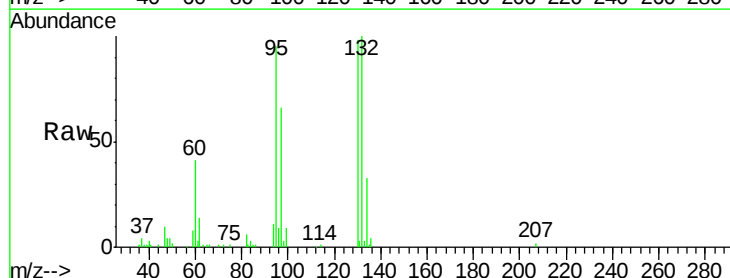
Acq: 24 Jan 2018 12:46

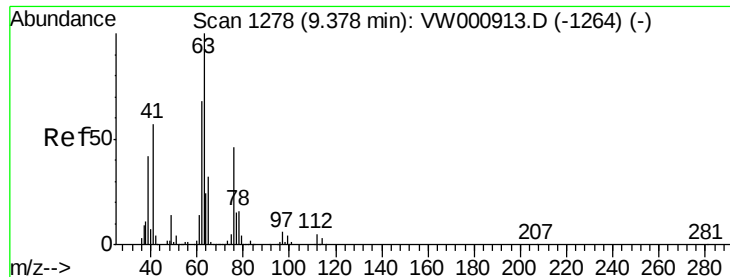
Tgt Ion: 130 Resp: 27092

Ion Ratio Lower Upper

130 100

95 97.1 0.0 190.4





#45

1,2-Dichloropropane

Concen: 10.28 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

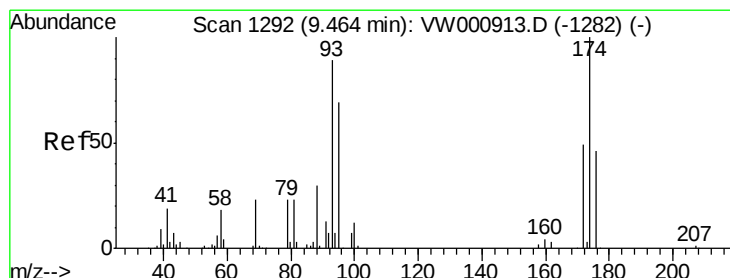
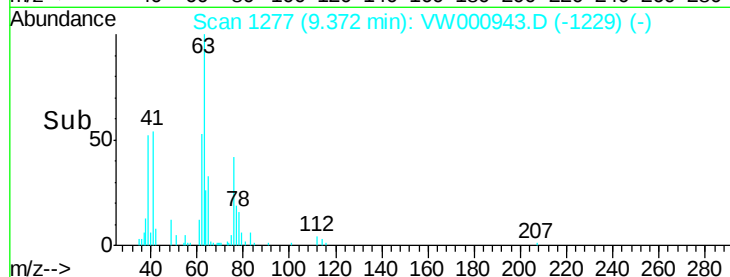
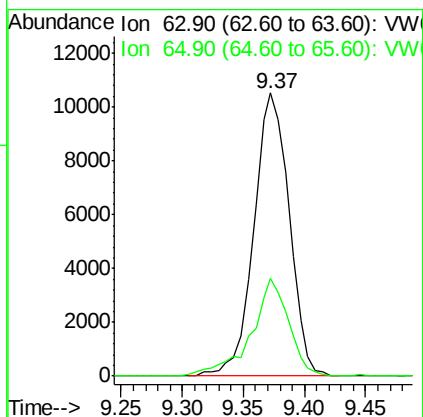
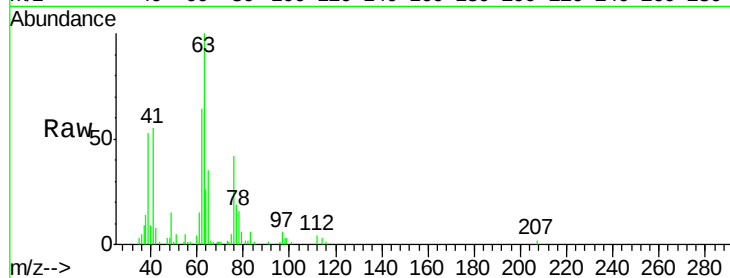
LOQ-SOIL-02-QT1-2018

Tgt Ion: 63 Resp: 21232

Ion Ratio Lower Upper

63 100

65 34.6 25.2 37.8



#46

Dibromomethane

Concen: 9.89 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

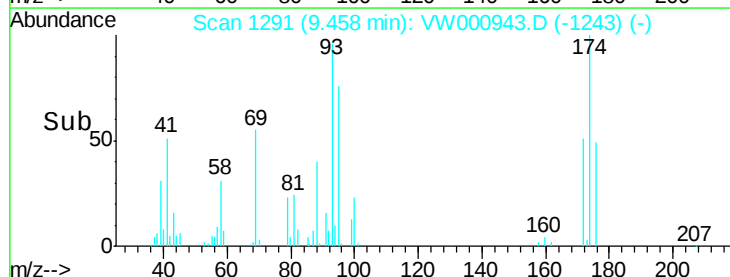
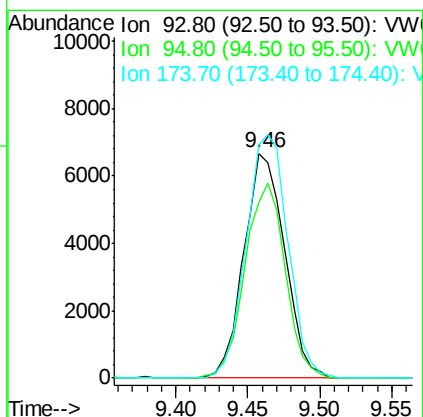
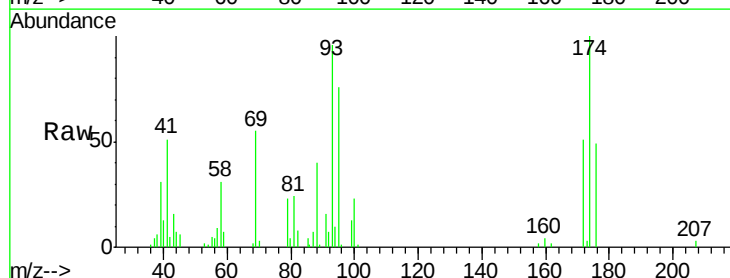
Tgt Ion: 93 Resp: 13048

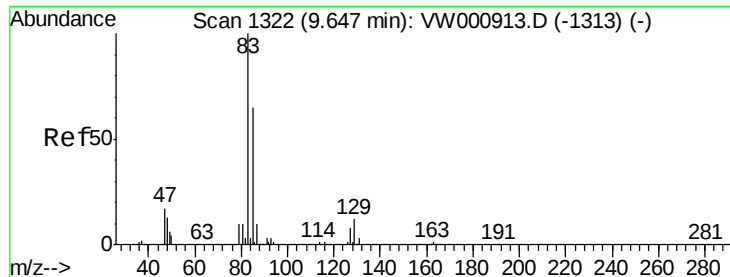
Ion Ratio Lower Upper

93 100

95 85.6 65.8 98.6

174 111.4 89.0 133.6





#47

Bromodichloromethane

Concen: 9.95 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

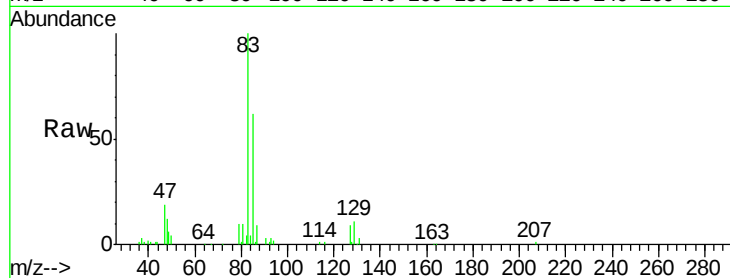
Tgt Ion: 83 Resp: 29020

Ion Ratio Lower Upper

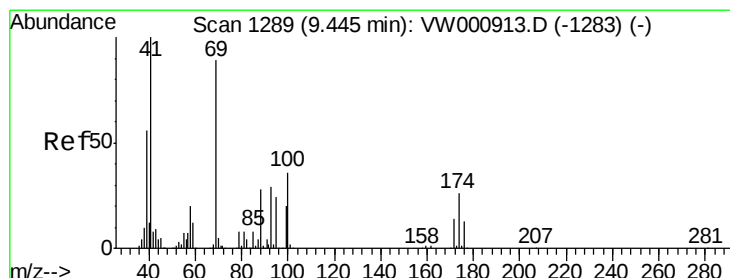
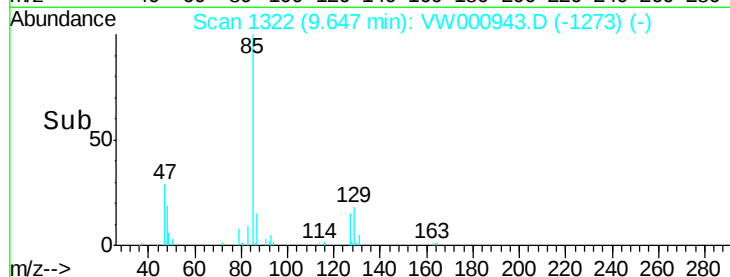
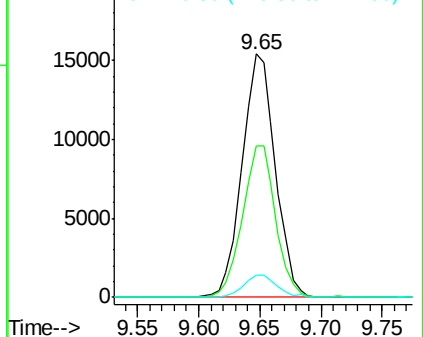
83 100

85 62.1 52.0 78.0

127 9.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 9.69 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

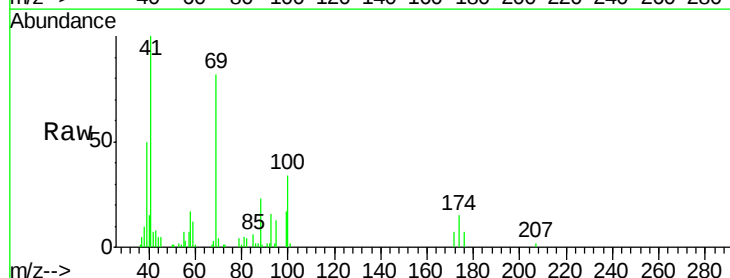
Tgt Ion: 41 Resp: 14494

Ion Ratio Lower Upper

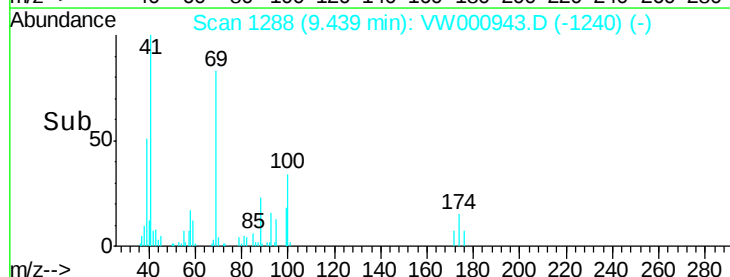
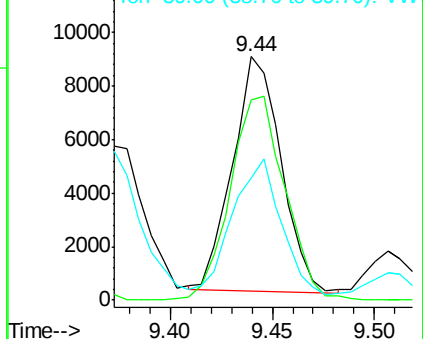
41 100

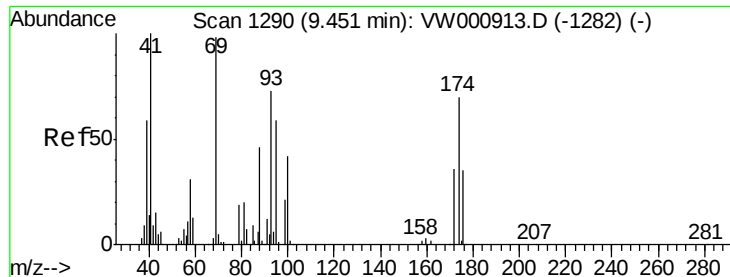
69 97.8 72.9 109.3

39 64.1 48.4 72.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 229.53 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

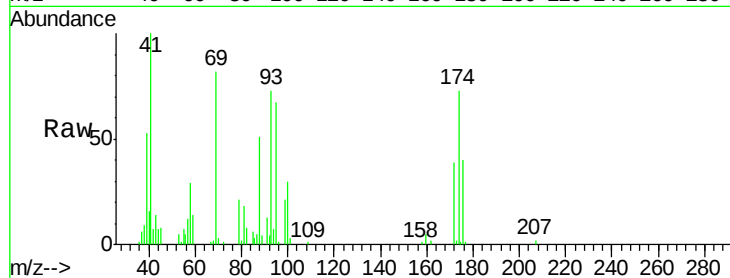
Tgt Ion: 88 Resp: 6617

Ion Ratio Lower Upper

88 100

43 28.1 24.5 36.7

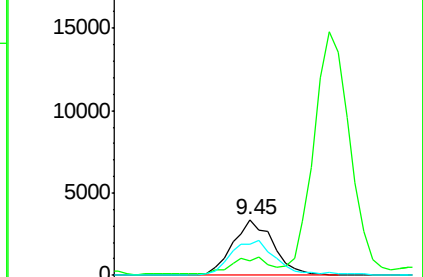
58 68.9 54.7 82.1



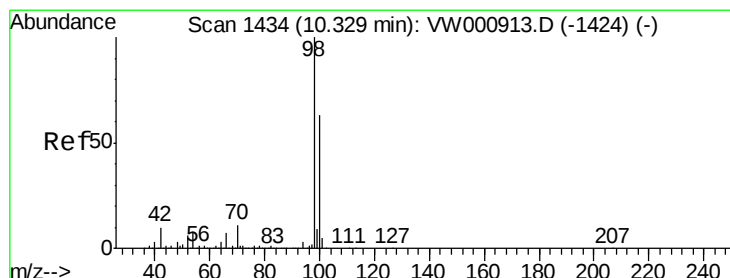
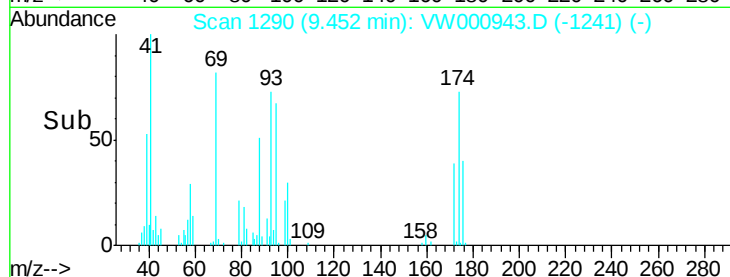
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 52.90 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000943.D

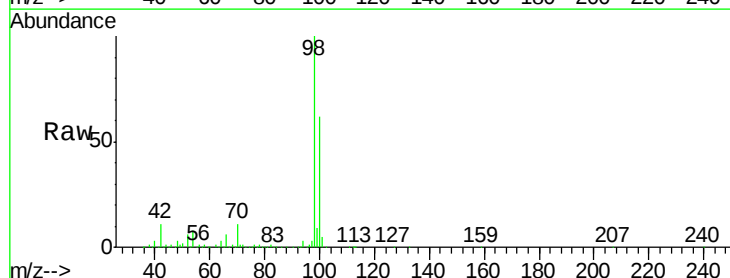
Acq: 24 Jan 2018 12:46

Tgt Ion: 98 Resp: 435734

Ion Ratio Lower Upper

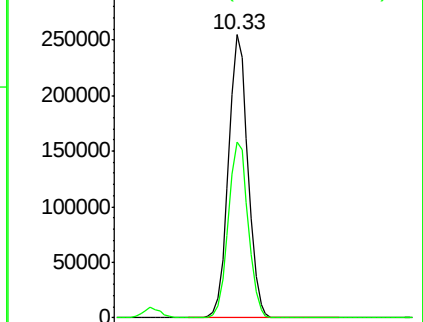
98 100

100 63.6 50.8 76.2

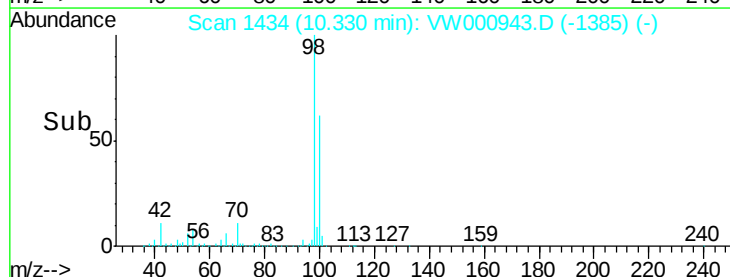


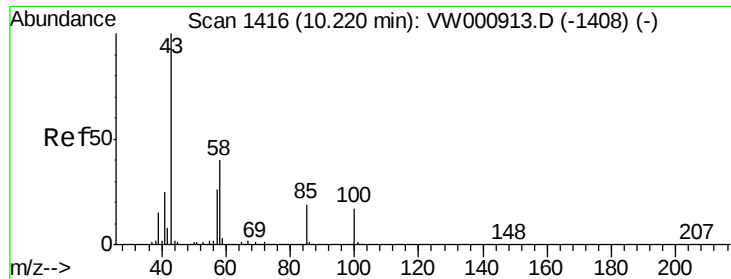
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#51

4-Methyl-2-Pentanone

Concen: 52.34 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

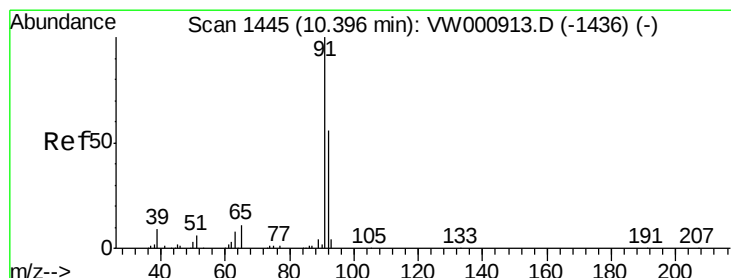
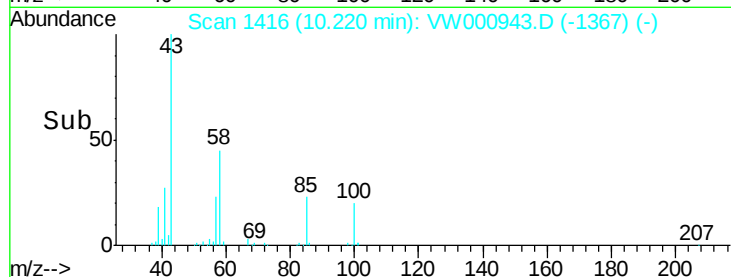
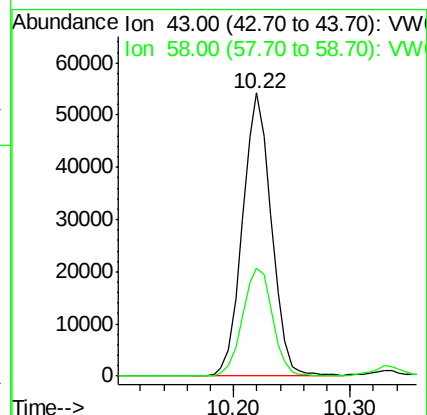
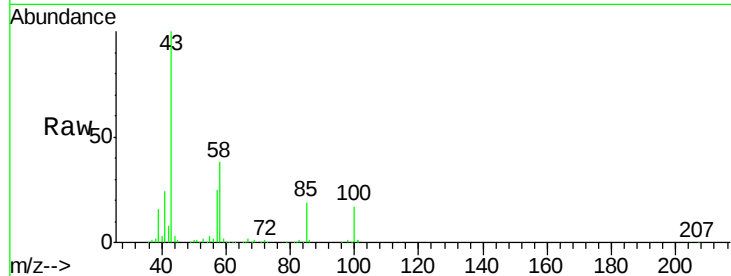
LOQ-SOIL-02-QT1-2018

Tgt Ion: 43 Resp: 93787

Ion Ratio Lower Upper

43 100

58 39.7 32.0 48.0



#52

Toluene

Concen: 10.32 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000943.D

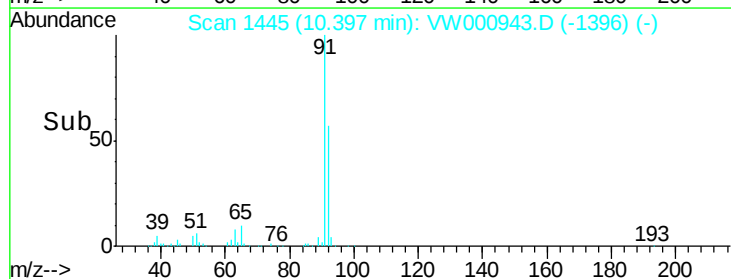
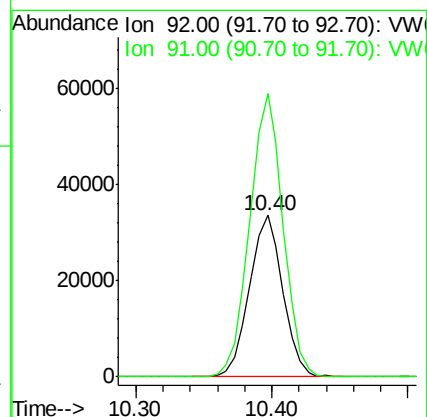
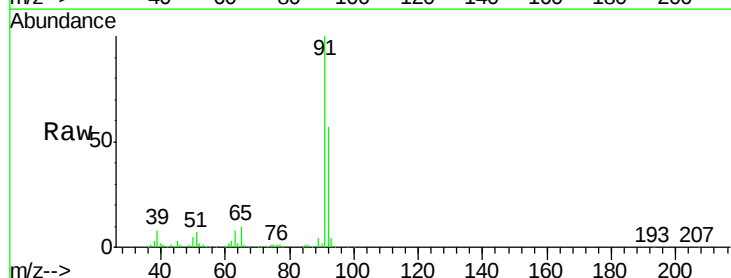
Acq: 24 Jan 2018 12:46

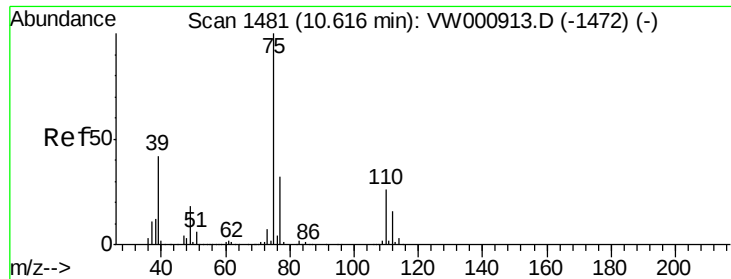
Tgt Ion: 92 Resp: 57664

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1

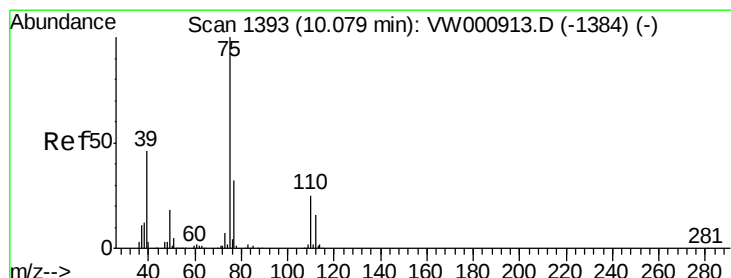
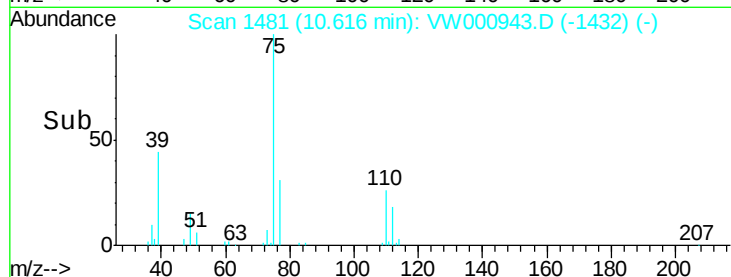
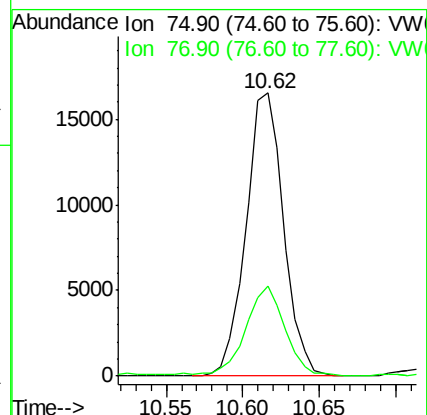
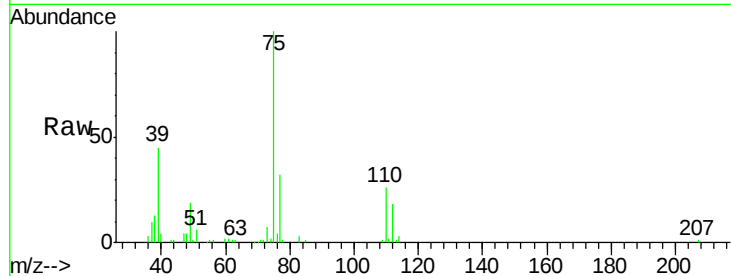




#53
t-1,3-Dichloropropene
Concen: 9.52 ug/l
RT: 10.62 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

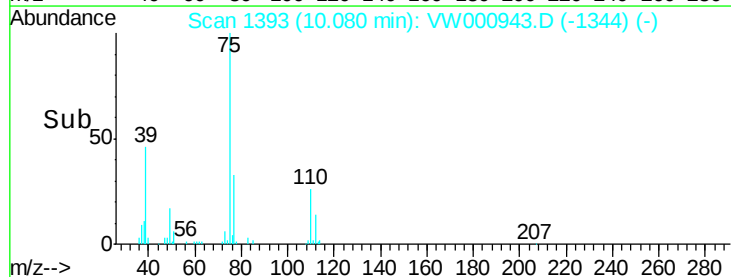
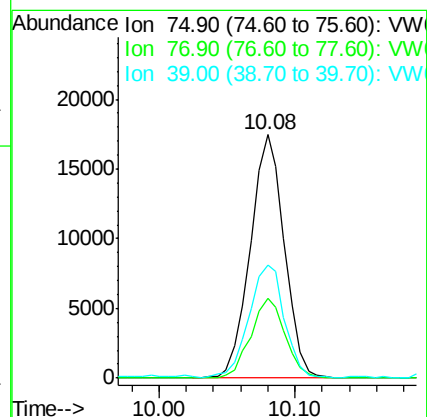
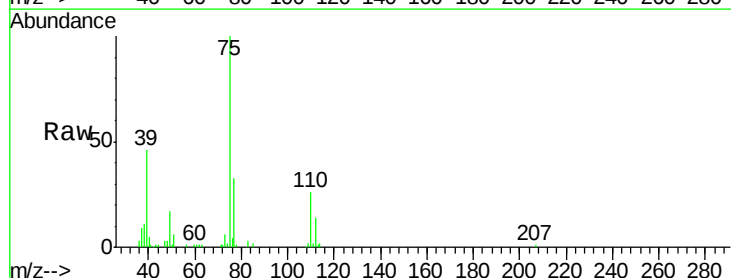
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

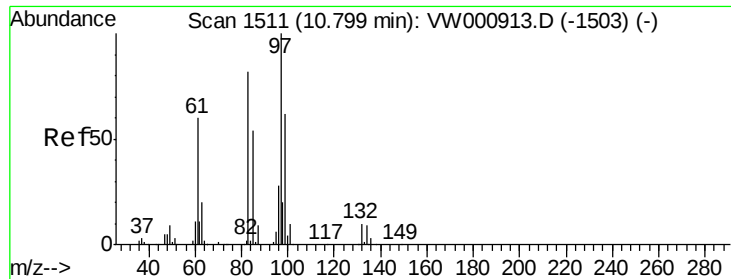
Tgt Ion: 75 Resp: 28146
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 9.42 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 75 Resp: 30611
Ion Ratio Lower Upper
75 100
77 32.9 25.3 37.9
39 46.0 37.0 55.6

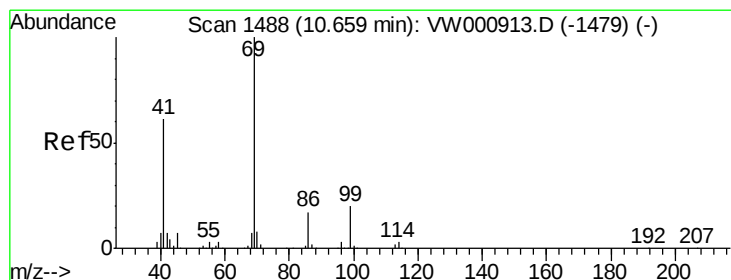
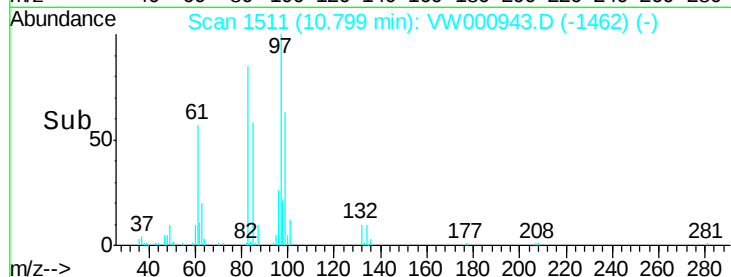
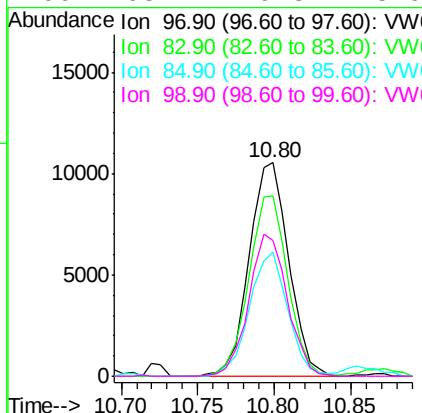
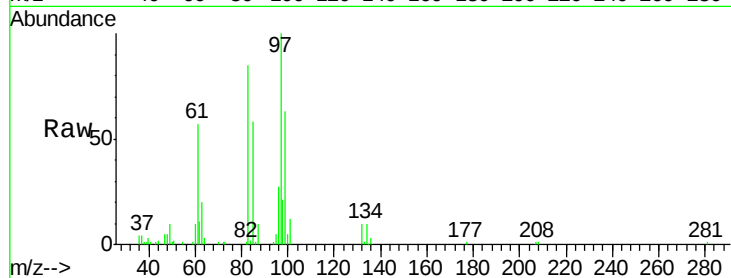




#55
 1,1,2-Trichloroethane
 Concen: 10.29 ug/l
 RT: 10.80 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

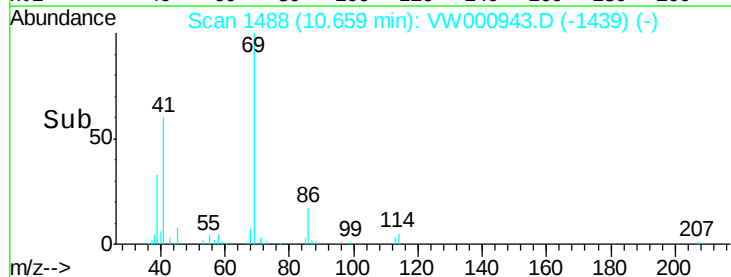
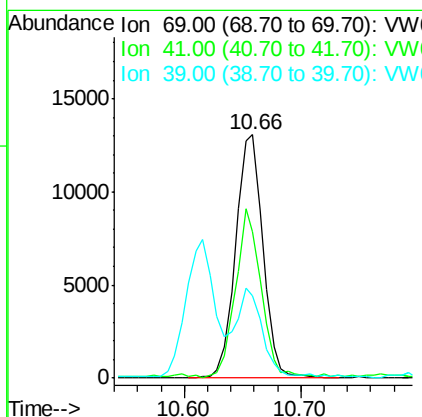
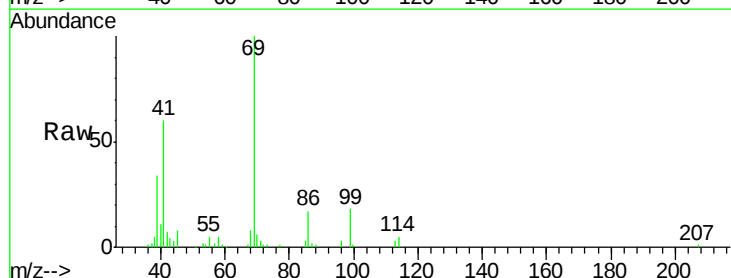
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

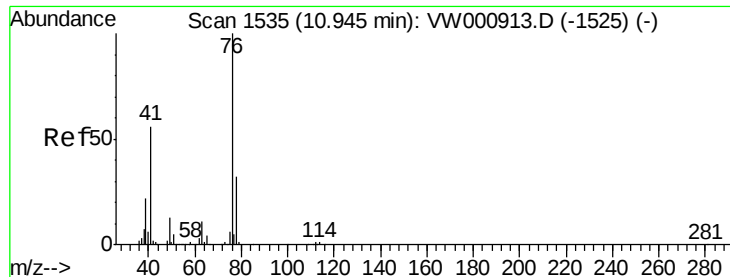
Tgt Ion: 97 Resp: 18945
 Ion Ratio Lower Upper
 97 100
 83 84.7 65.2 97.8
 85 58.2 43.1 64.7
 99 63.4 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 11.35 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 69 Resp: 21412
 Ion Ratio Lower Upper
 69 100
 41 66.0 50.3 75.5
 39 34.0 28.6 42.8

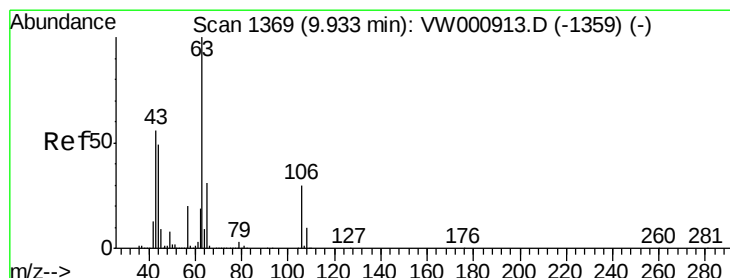
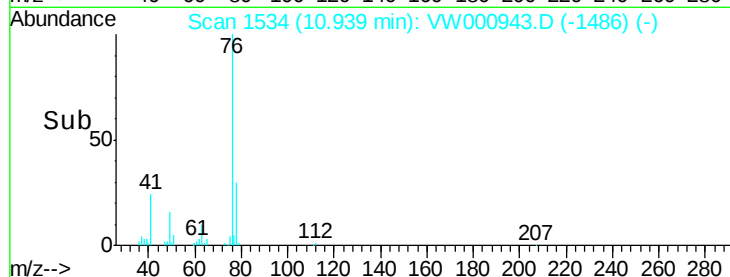
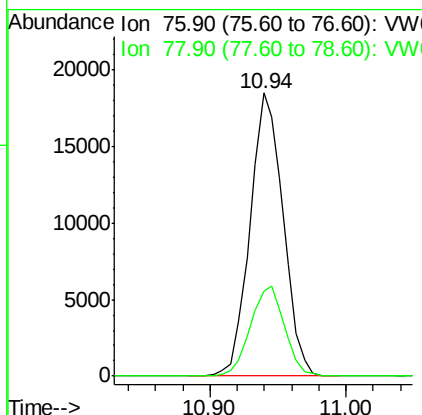
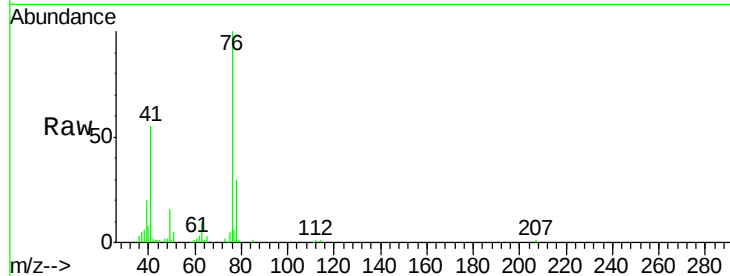




#57
 1,3-Dichloropropane
 Concen: 10.47 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

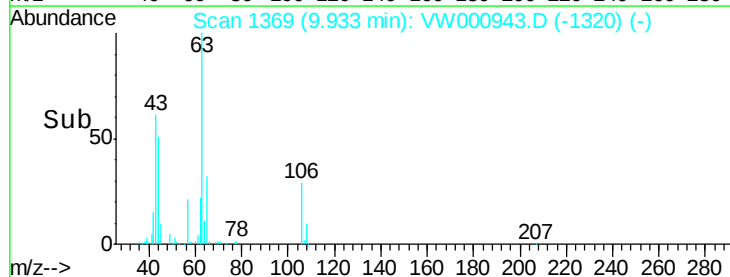
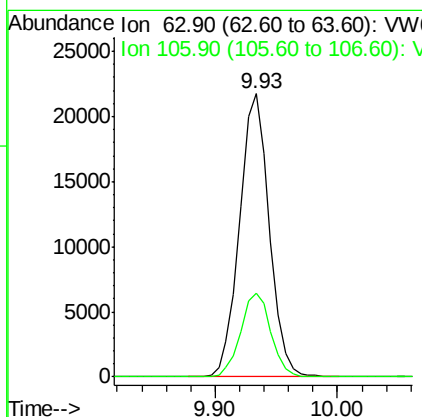
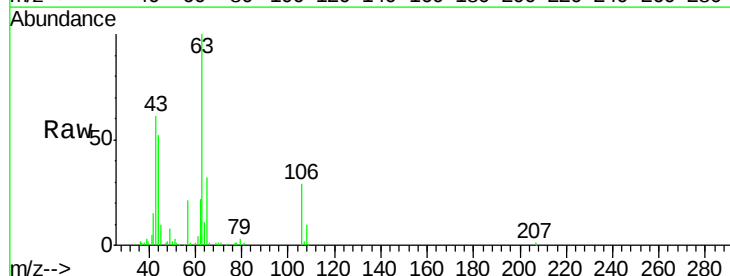
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

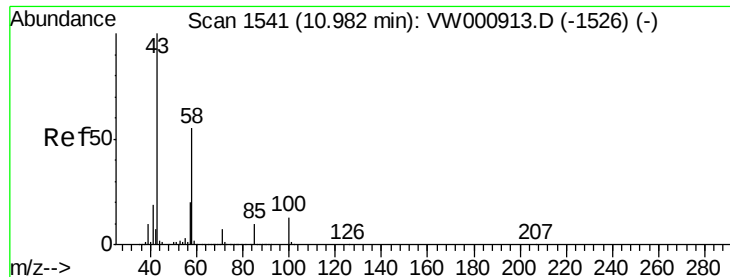
Tgt Ion: 76 Resp: 31503
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.26 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 63 Resp: 36636
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

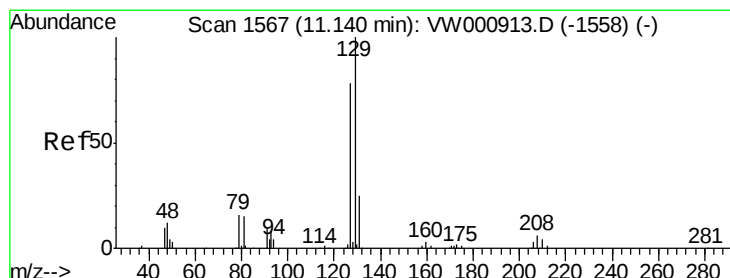
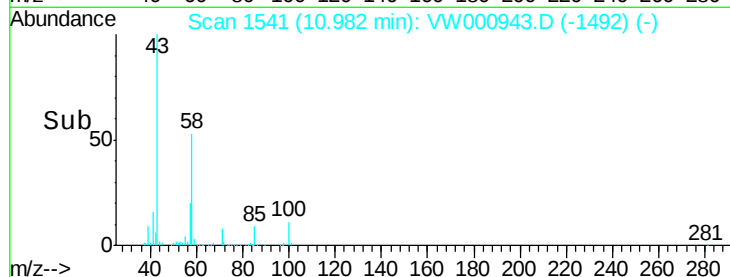
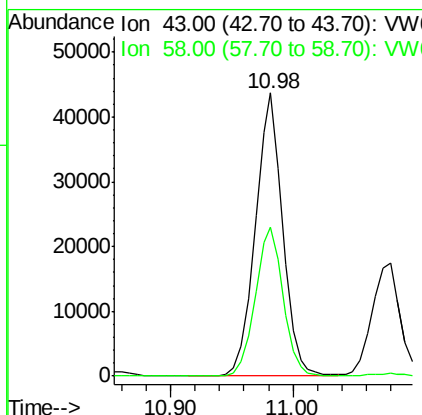
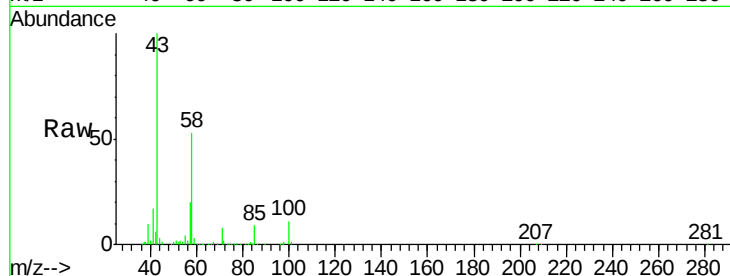




#59
2-Hexanone
Concen: 55.24 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

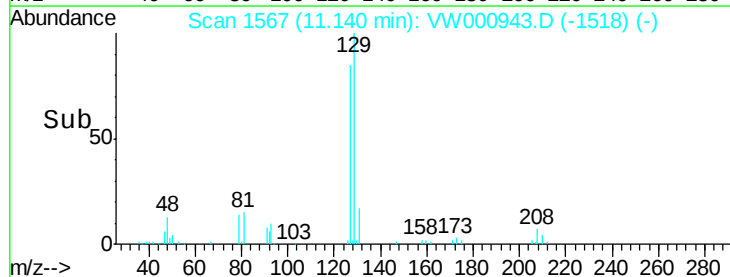
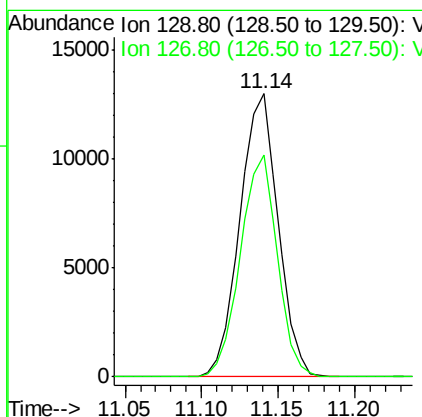
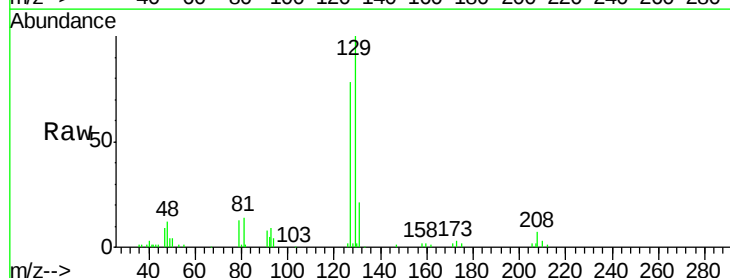
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

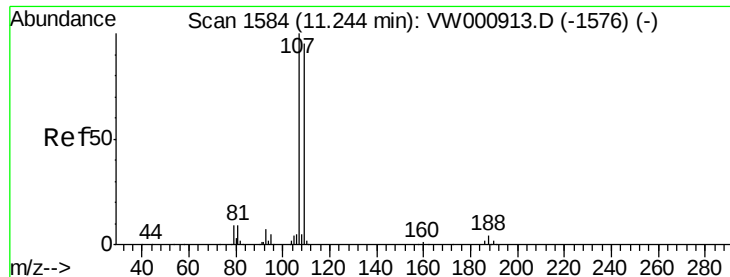
Tgt Ion: 43 Resp: 67893
Ion Ratio Lower Upper
43 100
58 53.8 27.4 82.2



#60
Dibromochloromethane
Concen: 10.16 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 129 Resp: 22594
Ion Ratio Lower Upper
129 100
127 75.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 10.03 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

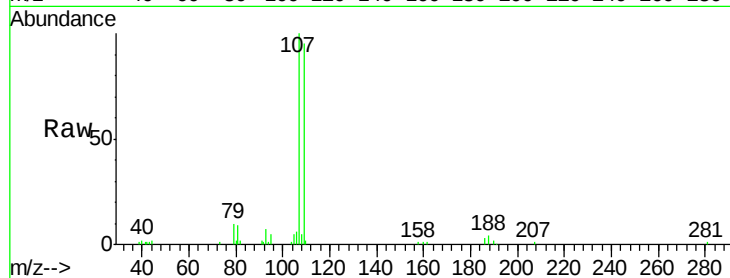
LOQ-SOIL-02-QT1-2018

Tgt Ion: 107 Resp: 19255

Ion Ratio Lower Upper

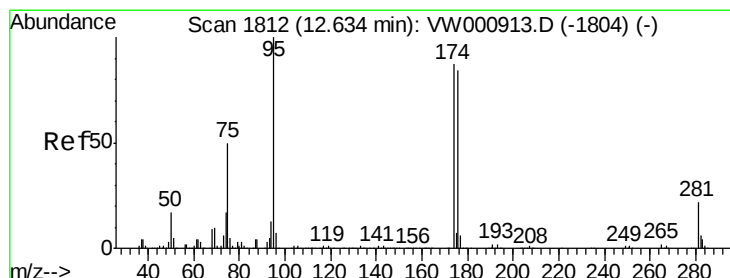
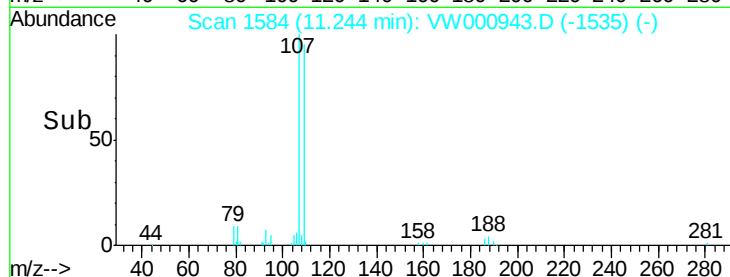
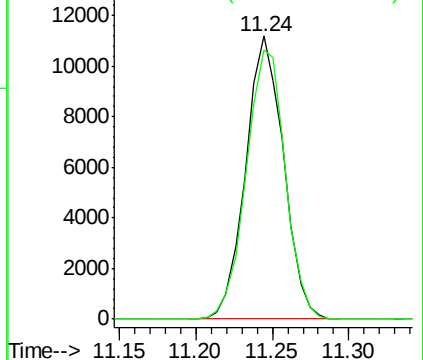
107 100

109 98.1 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: 51.65 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

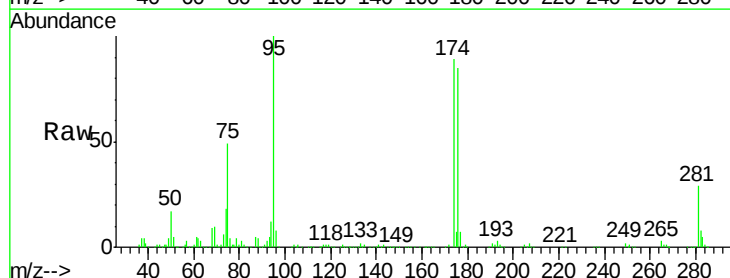
Tgt Ion: 95 Resp: 154950

Ion Ratio Lower Upper

95 100

174 89.1 0.0 176.8

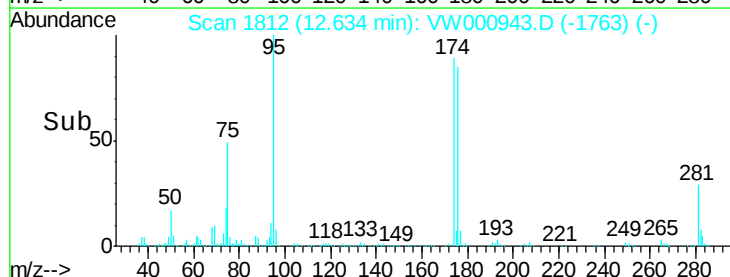
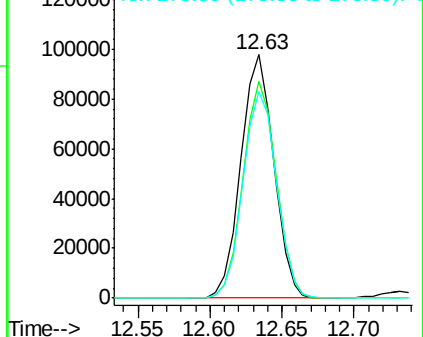
176 86.2 0.0 171.8

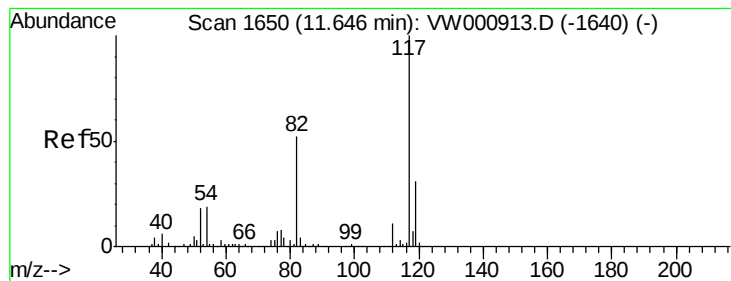


Abundance Ion 94.90 (94.60 to 95.60): VW

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: 11.64 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

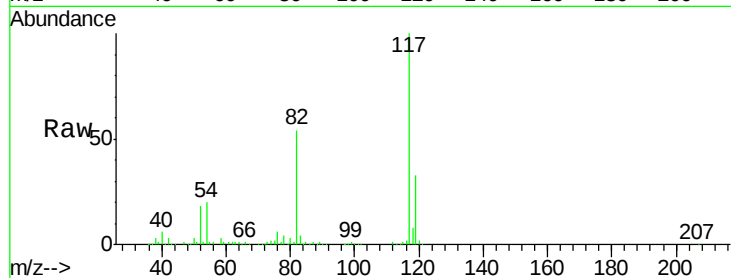
Tgt Ion:117 Resp: 310186

Ion Ratio Lower Upper

117 100

82 53.9 41.8 62.6

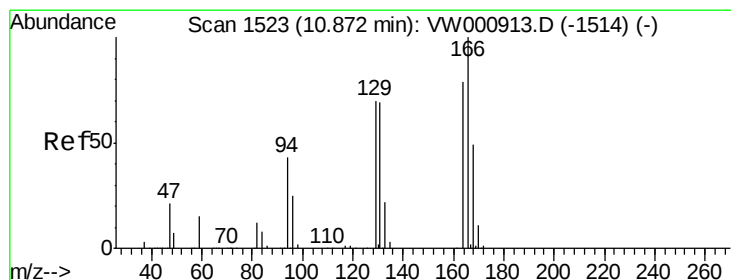
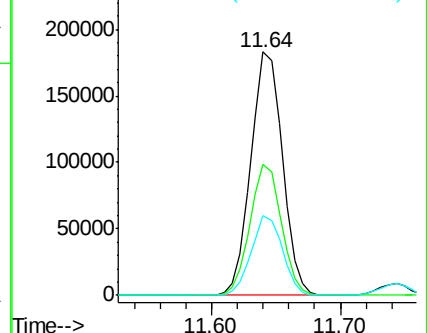
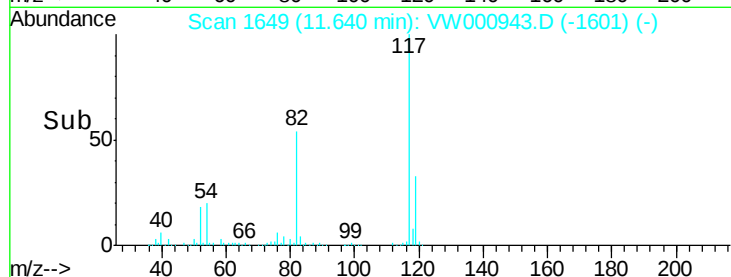
119 32.8 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 10.93 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Tgt Ion:164 Resp: 28138

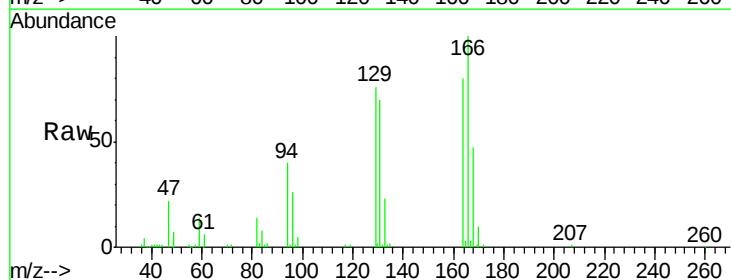
Ion Ratio Lower Upper

164 100

166 124.5 100.9 151.3

129 94.1 70.5 105.7

131 87.5 69.4 104.2

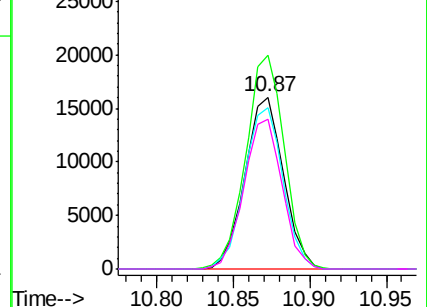
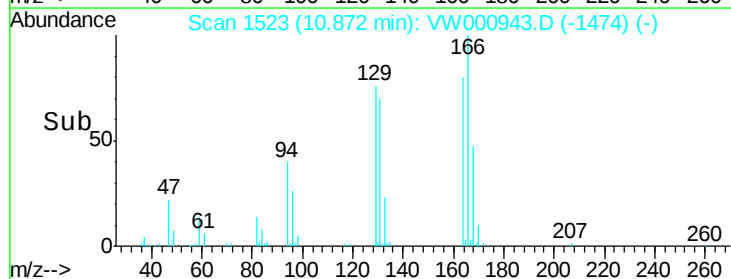


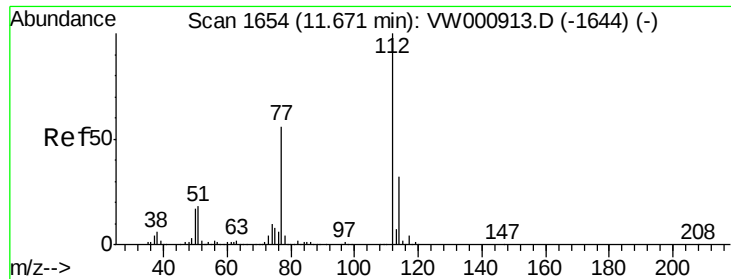
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.16 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

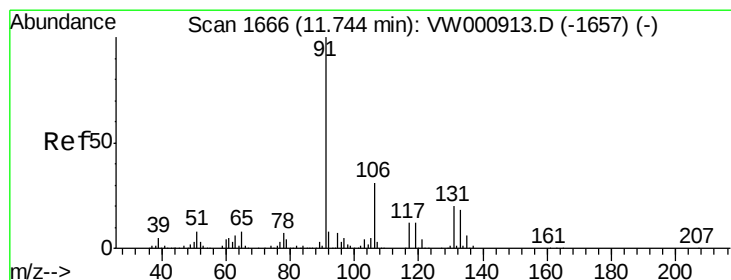
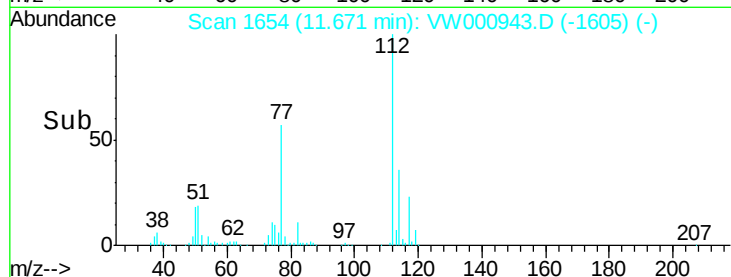
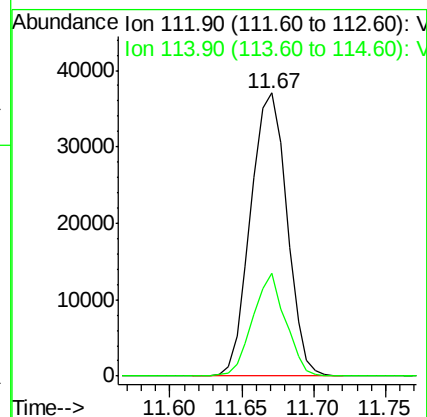
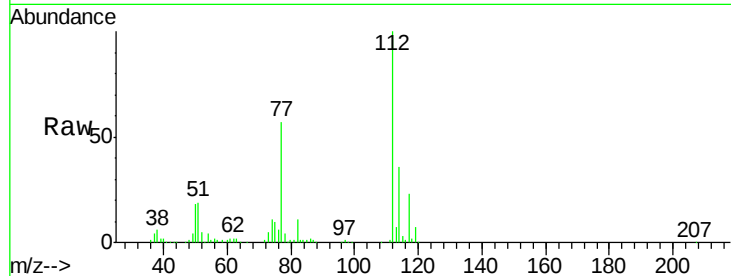
LOQ-SOIL-02-QT1-2018

Tgt Ion:112 Resp: 64688

Ion Ratio Lower Upper

112 100

114 36.2 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 10.08 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

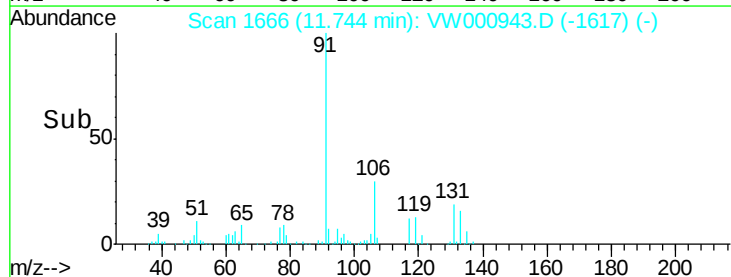
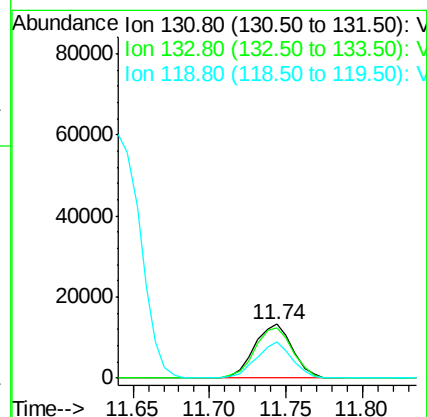
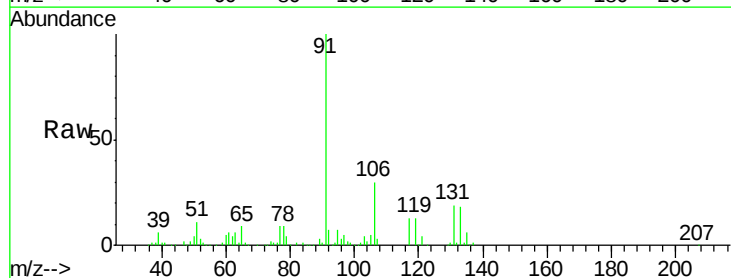
Tgt Ion:131 Resp: 23041

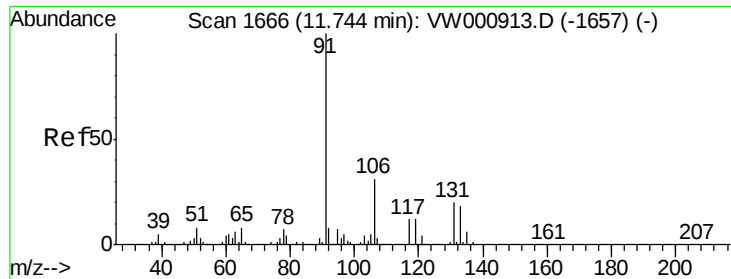
Ion Ratio Lower Upper

131 100

133 93.5 47.3 142.0

119 62.6 31.6 94.7

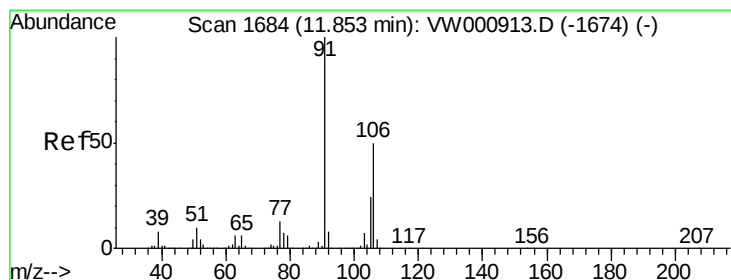
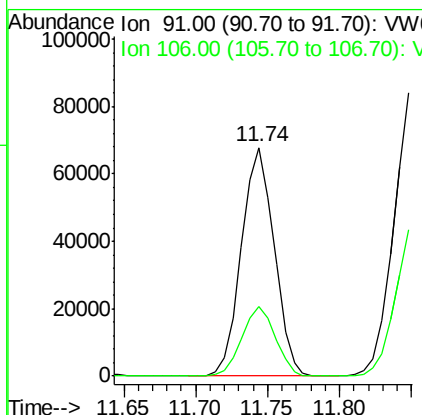
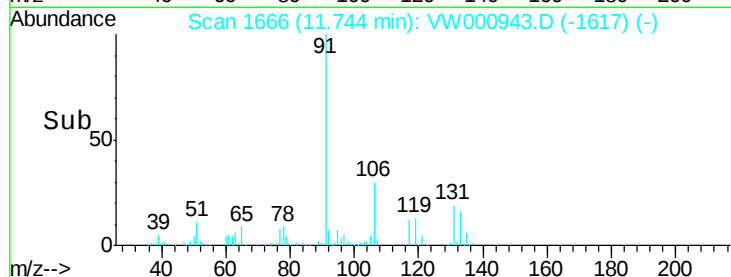
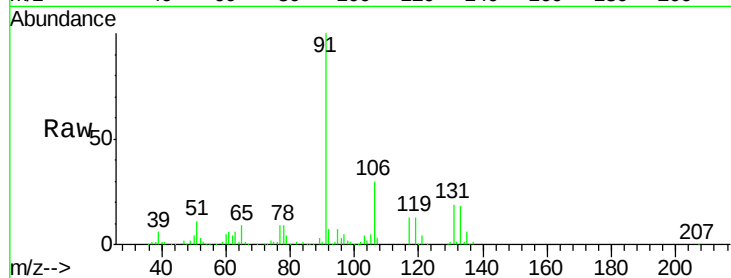




#67
Ethyl Benzene
Concen: 10.01 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

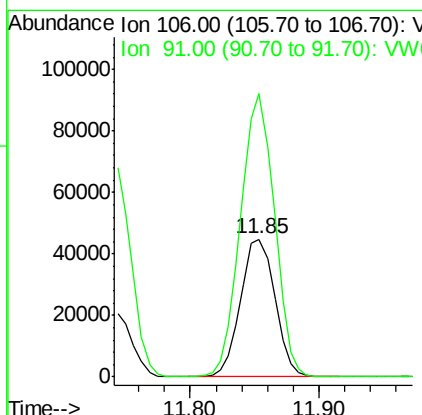
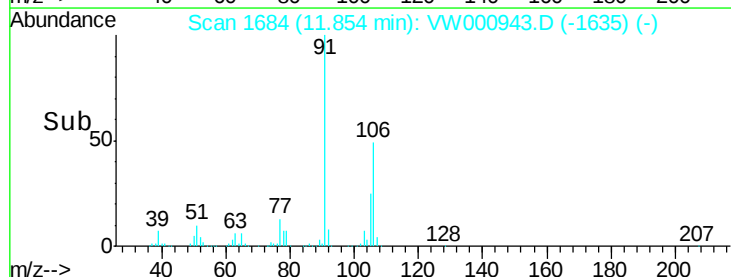
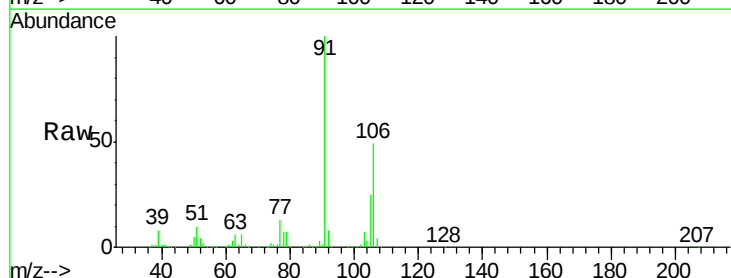
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

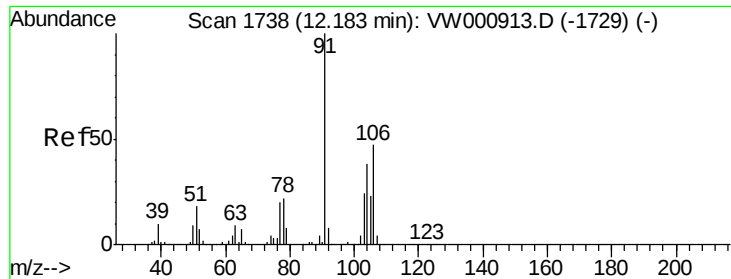
Tgt Ion: 91 Resp: 107572
Ion Ratio Lower Upper
91 100
106 30.5 25.1 37.7



#68
m/p-Xylenes
Concen: 19.87 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 106 Resp: 83037
Ion Ratio Lower Upper
106 100
91 203.2 161.9 242.9

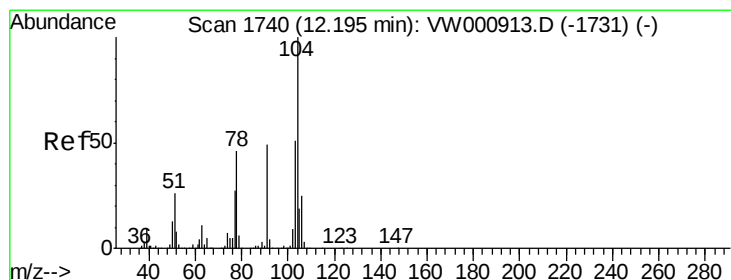
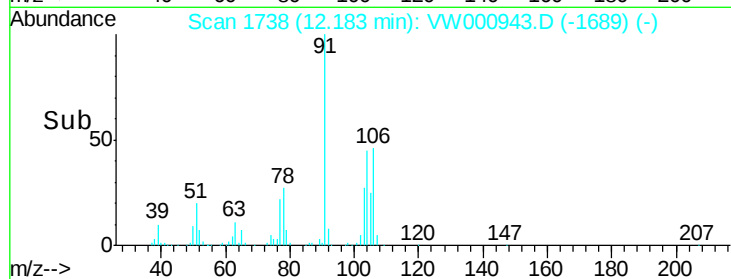
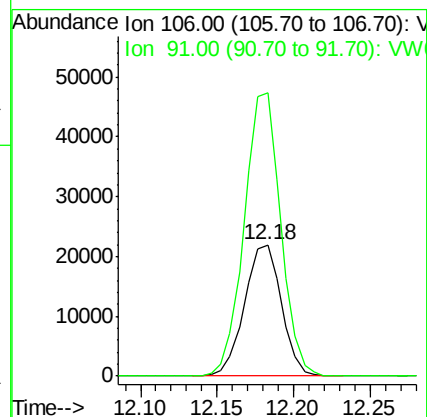
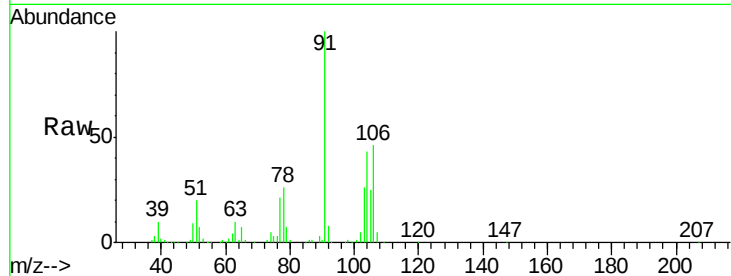




#69
o-Xylene
Concen: 9.61 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

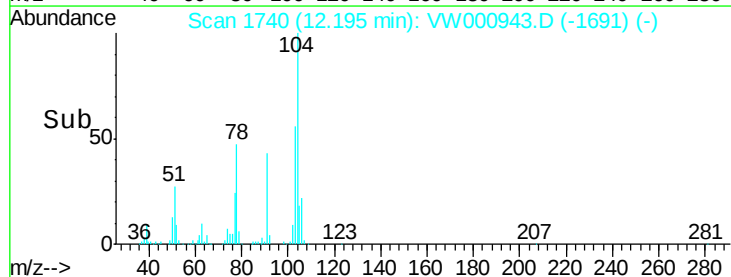
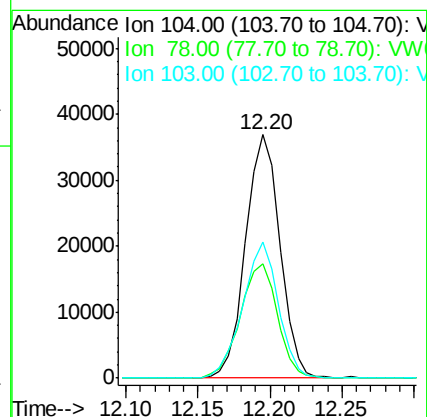
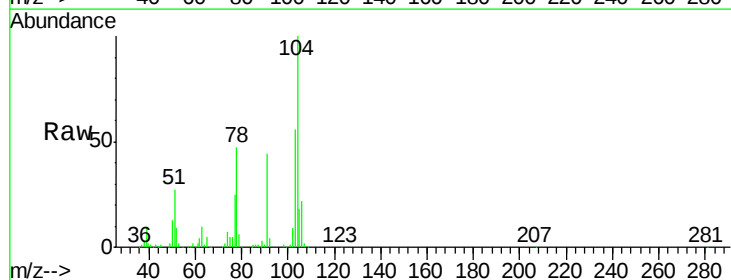
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

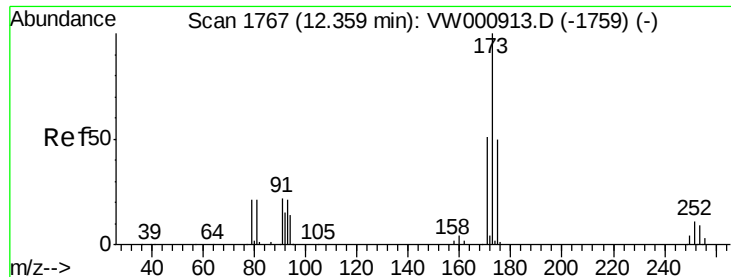
Tgt Ion:106 Resp: 36805
Ion Ratio Lower Upper
106 100
91 213.1 106.3 318.8



#70
Styrene
Concen: 9.77 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion:104 Resp: 61001
Ion Ratio Lower Upper
104 100
78 51.0 40.1 60.1
103 58.2 44.6 66.8





#71

Bromoform

Concen: 9.76 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

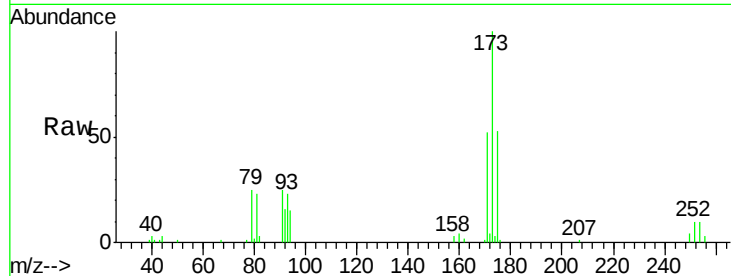
Tgt Ion:173 Resp: 15131

Ion Ratio Lower Upper

173 100

175 48.3 24.7 74.1

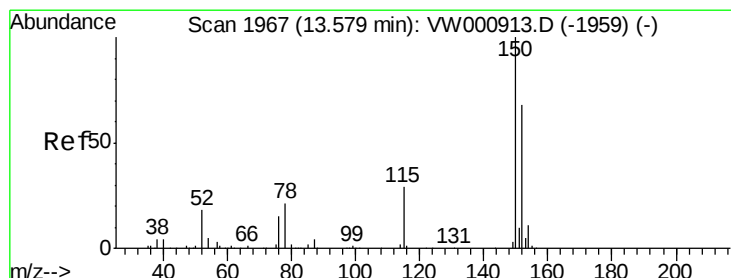
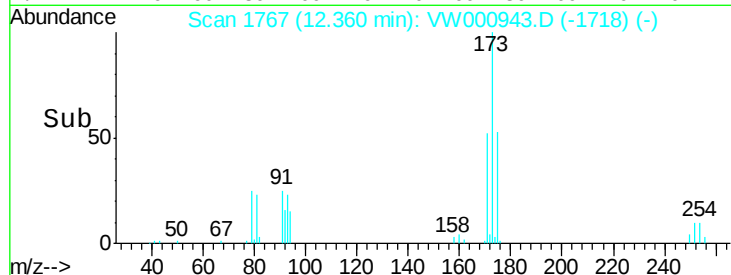
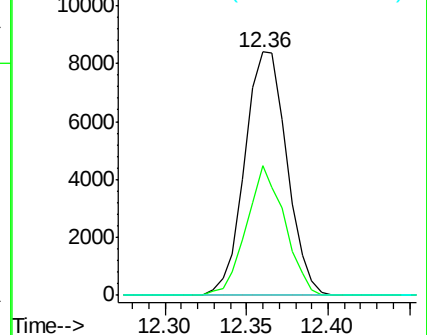
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

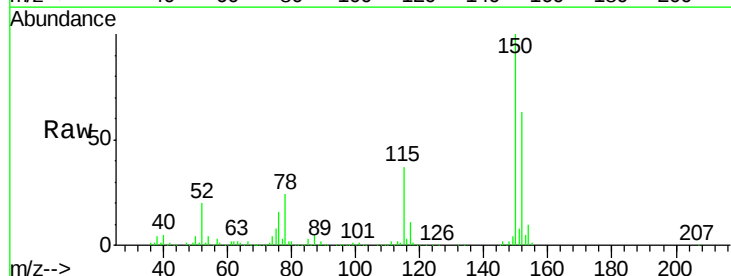
Tgt Ion:152 Resp: 170336

Ion Ratio Lower Upper

152 100

115 56.6 28.5 85.5

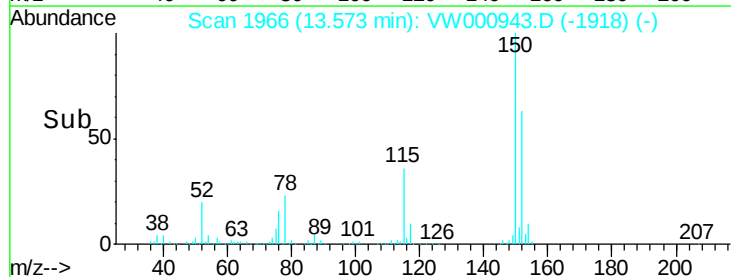
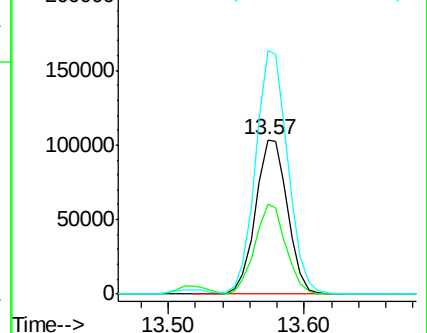
150 159.2 0.0 342.0

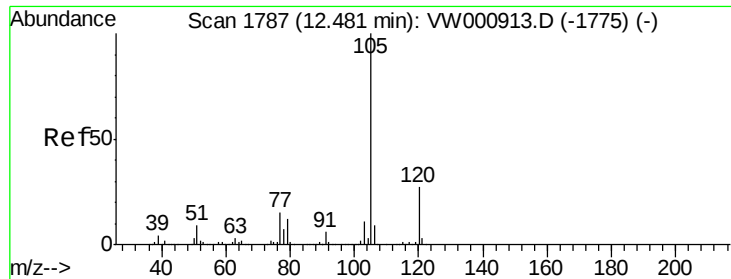


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.57 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

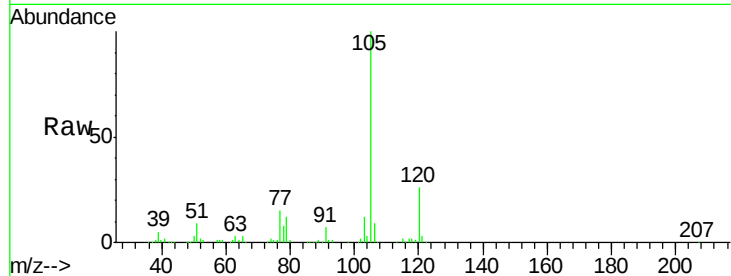
LOQ-SOIL-02-QT1-2018

Tgt Ion: 105 Resp: 105334

Ion Ratio Lower Upper

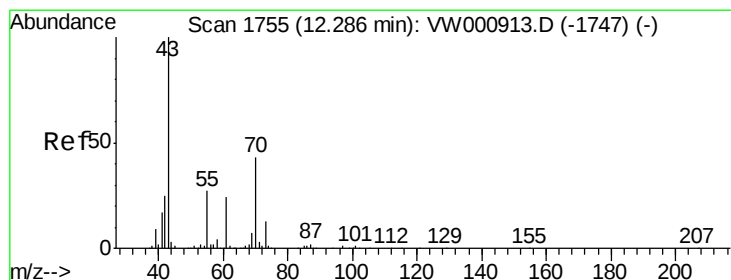
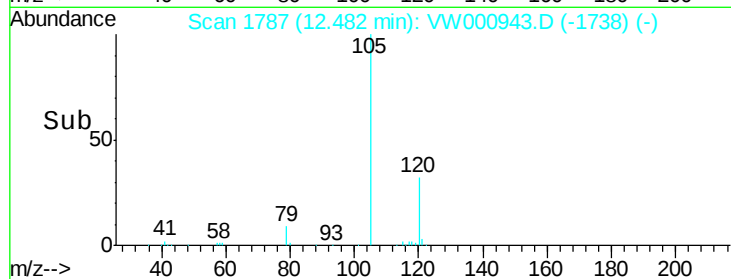
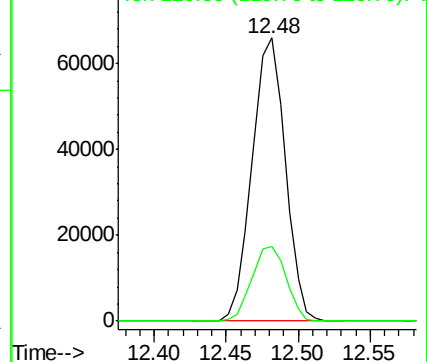
105 100

120 27.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.17 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Tgt Ion: 43 Resp: 27188

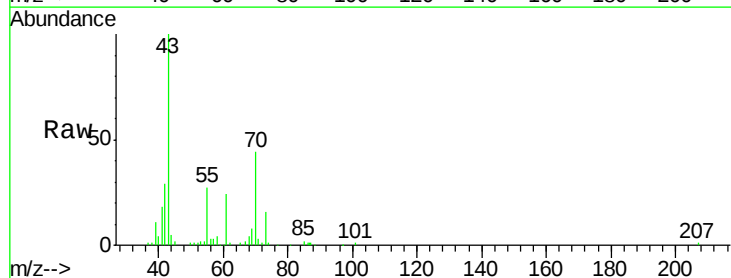
Ion Ratio Lower Upper

43 100

70 42.8 35.8 53.8

55 27.7 21.4 32.2

61 22.4 19.5 29.3

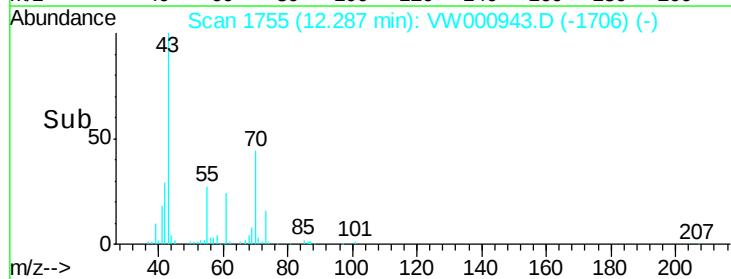
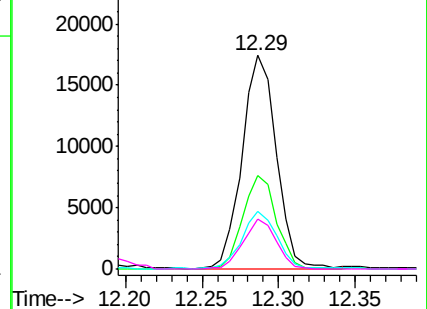


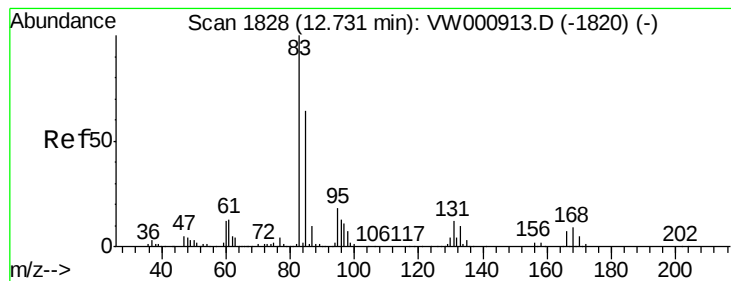
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 10.51 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

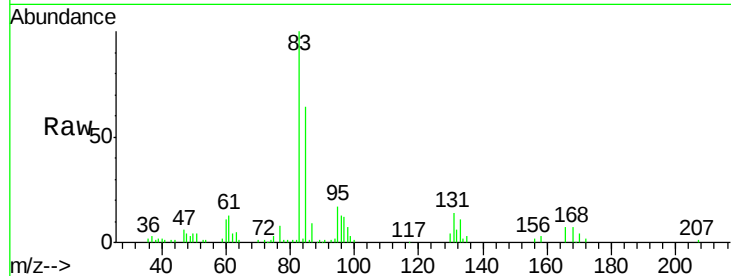
Tgt Ion: 83 Resp: 24731

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.7

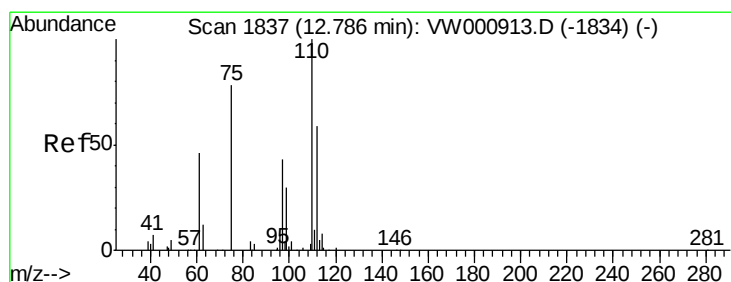
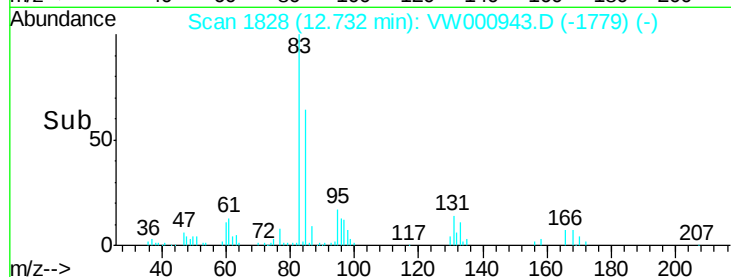
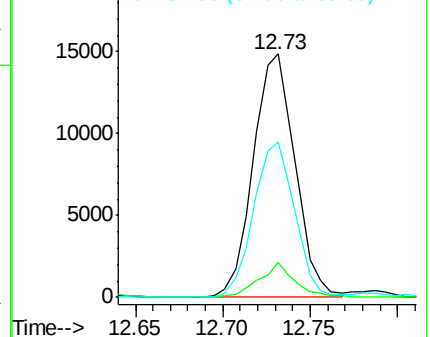
85 62.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.78 ug/l

RT: 12.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VW000943.D

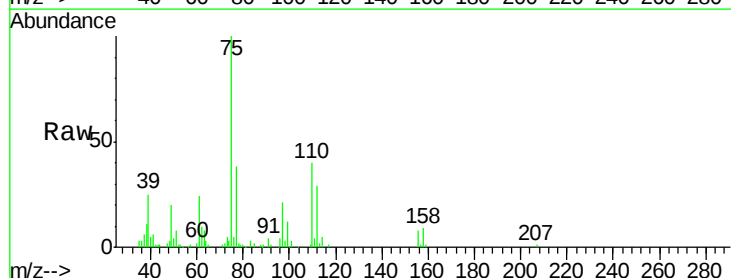
Acq: 24 Jan 2018 12:46

Tgt Ion: 75 Resp: 33072

Ion Ratio Lower Upper

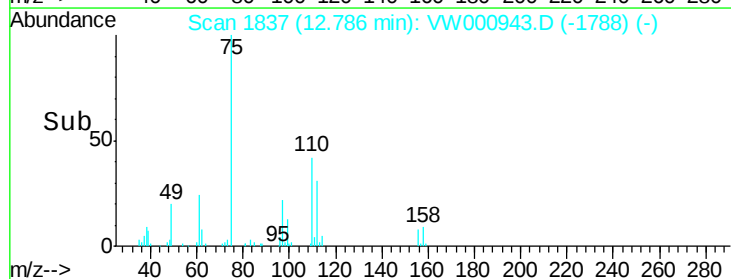
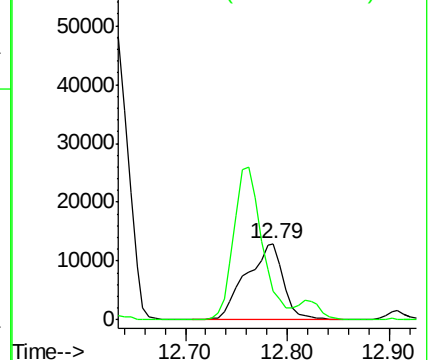
75 100

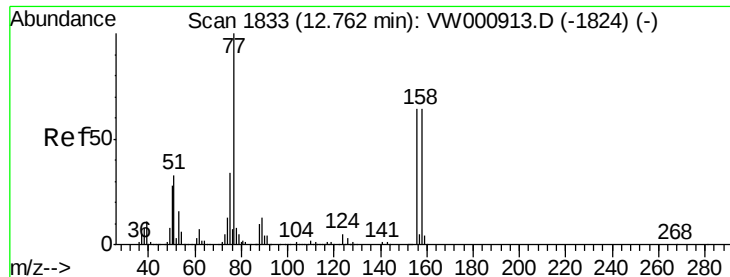
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.80 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

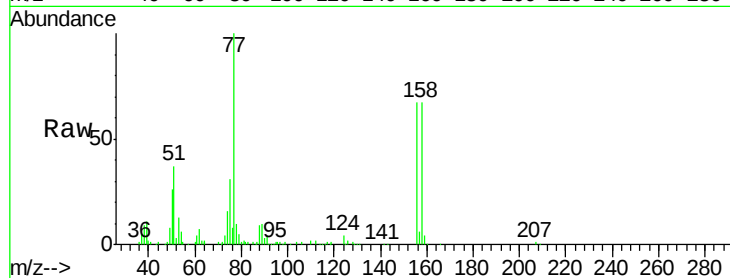
Tgt Ion:156 Resp: 27456

Ion Ratio Lower Upper

156 100

77 185.8 89.0 267.1

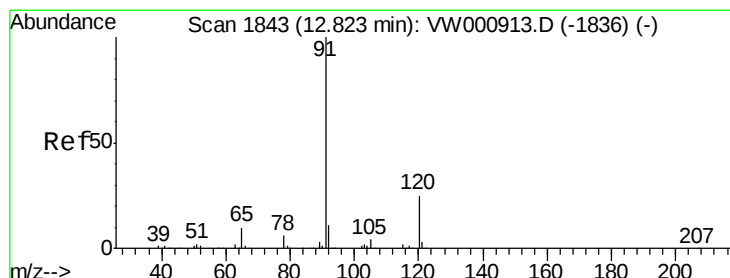
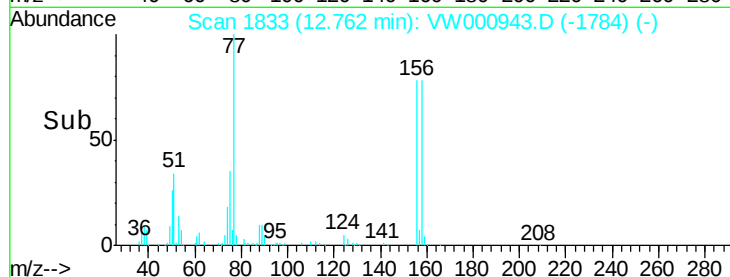
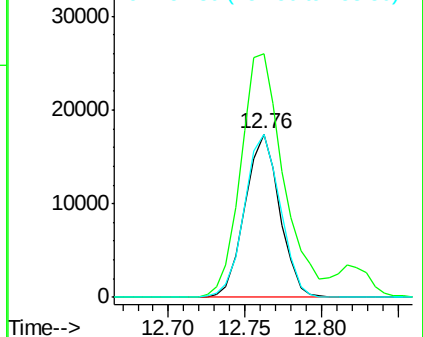
158 103.5 48.9 146.8



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: 9.98 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000943.D

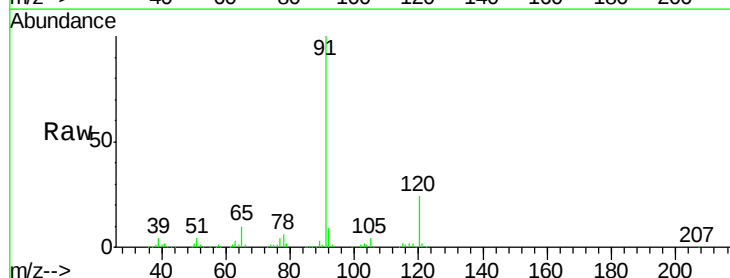
Acq: 24 Jan 2018 12:46

Tgt Ion: 91 Resp: 132535

Ion Ratio Lower Upper

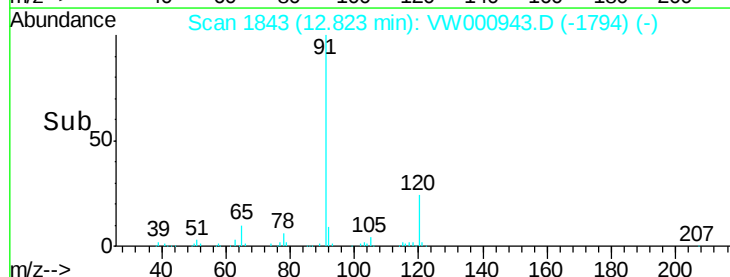
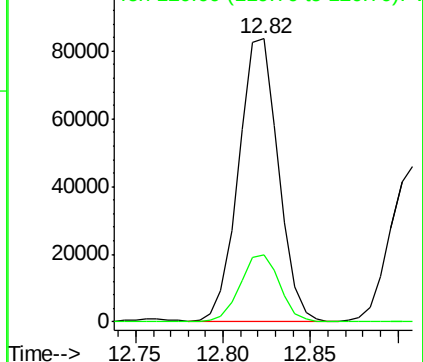
91 100

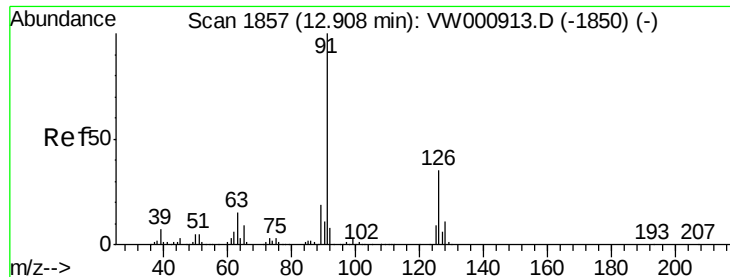
120 23.5 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.08 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

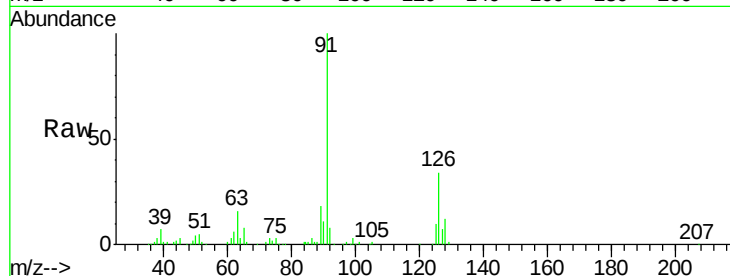
LOQ-SOIL-02-QT1-2018

Tgt Ion: 91 Resp: 75508

Ion Ratio Lower Upper

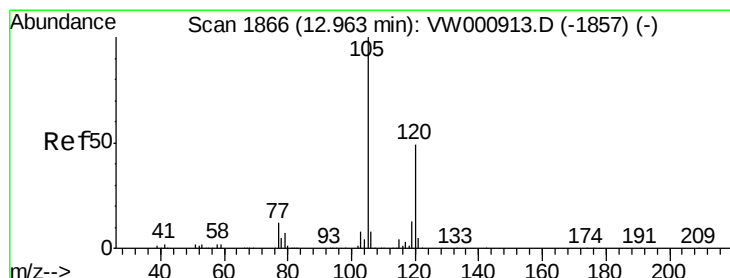
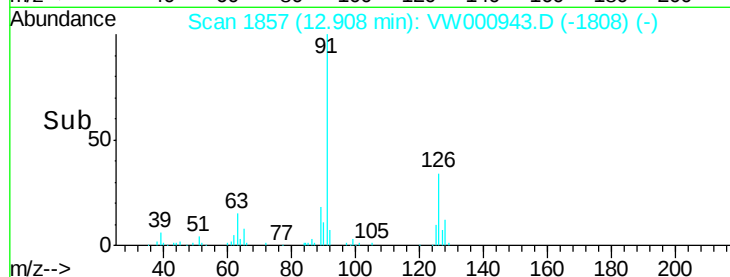
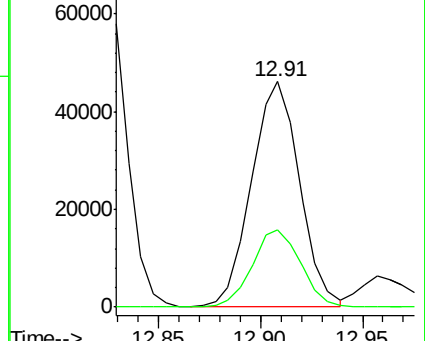
91 100

126 34.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.86 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VW000943.D

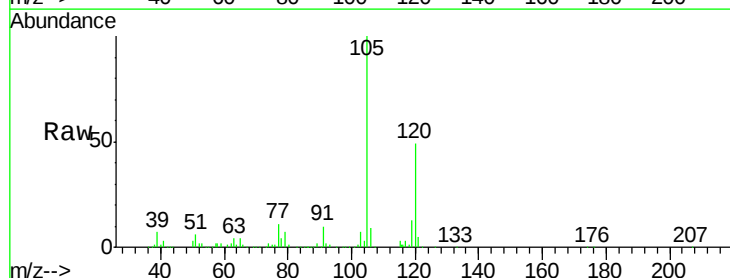
Acq: 24 Jan 2018 12:46

Tgt Ion:105 Resp: 92303

Ion Ratio Lower Upper

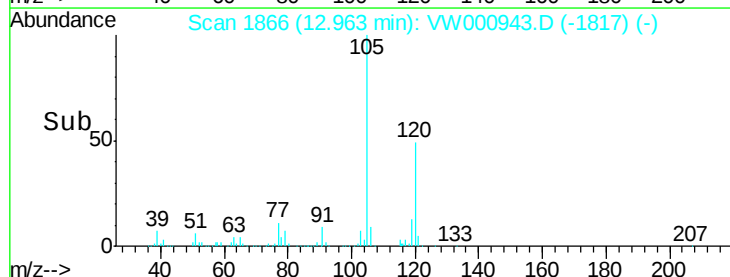
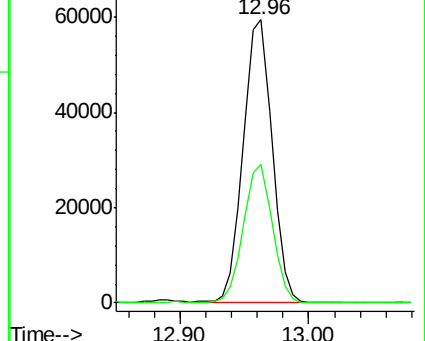
105 100

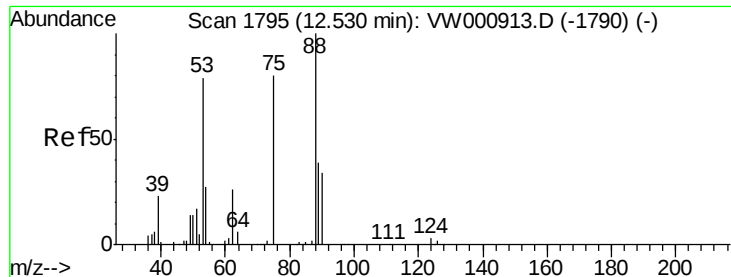
120 48.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.67 ug/l

RT: 12.53 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

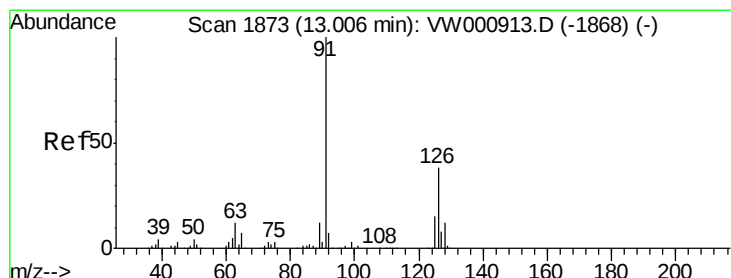
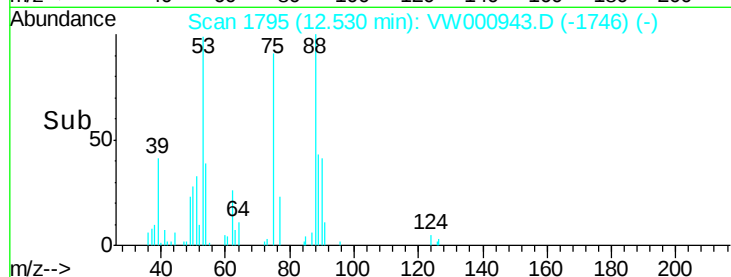
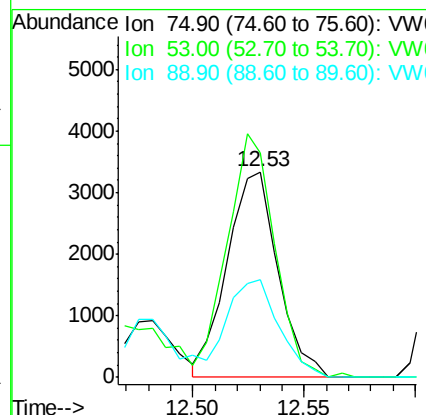
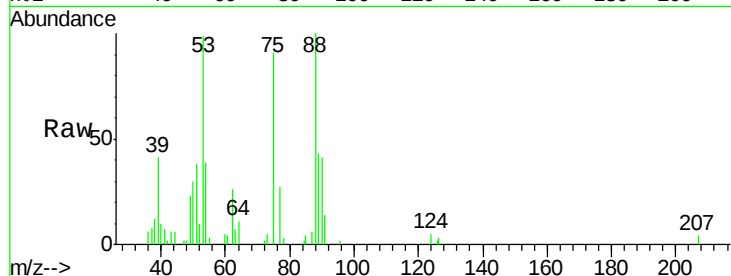
Tgt Ion: 75 Resp: 5303

Ion	Ratio	Lower	Upper
75	100		
53	111.0	77.5	116.3
89	47.6	38.2	57.4

75 100

53 111.0 77.5 116.3

89 47.6 38.2 57.4



#82

4-Chlorotoluene

Concen: 10.22 ug/l

RT: 13.01 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VW000943.D

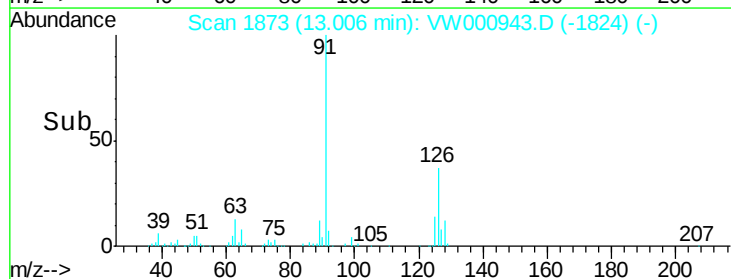
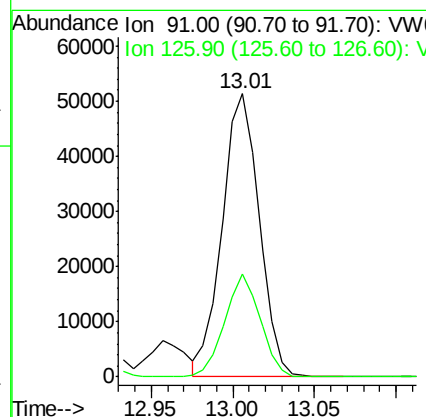
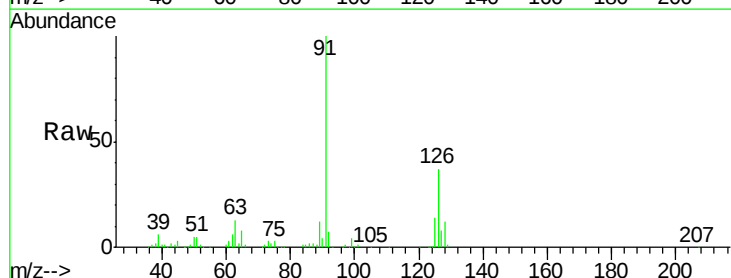
Acq: 24 Jan 2018 12:46

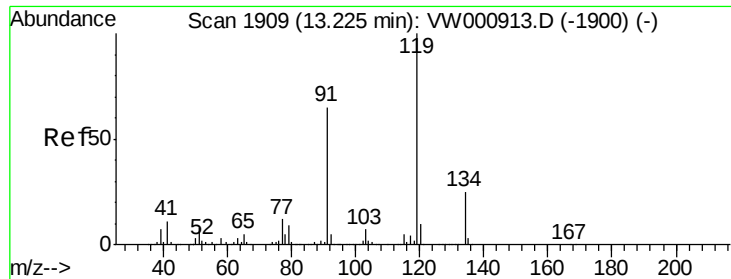
Tgt Ion: 91 Resp: 81359

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.9

91 100

126 34.8 17.6 52.9

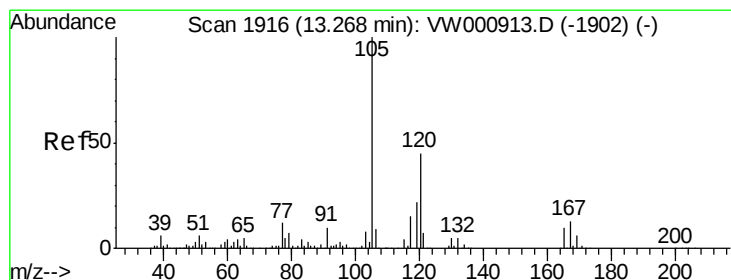
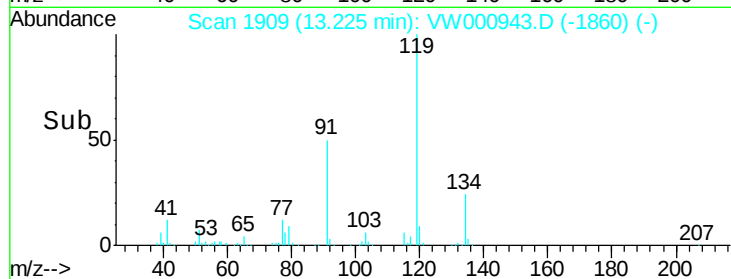
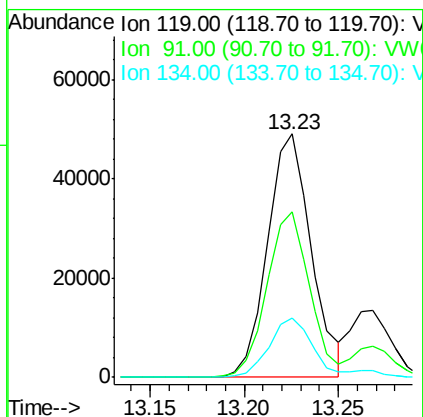
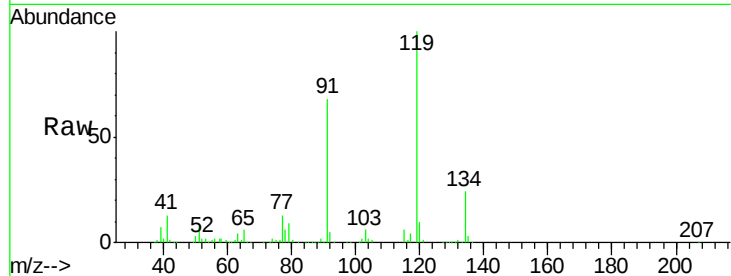




#83
 tert-Butylbenzene
 Concen: 9.64 ug/l
 RT: 13.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

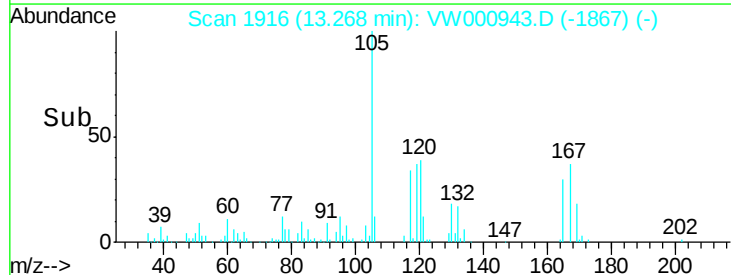
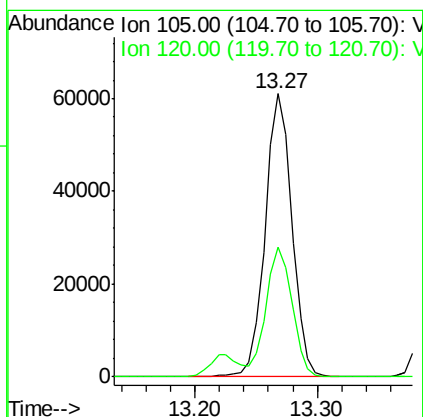
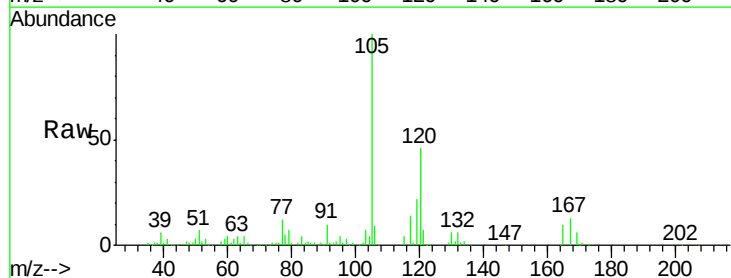
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

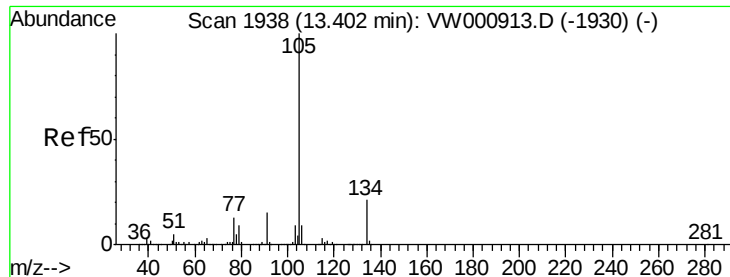
Tgt Ion:119 Resp: 79123
 Ion Ratio Lower Upper
 119 100
 91 66.4 32.4 97.0
 134 26.1 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.83 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion:105 Resp: 93076
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.0





#85

sec-Butylbenzene

Concen: 9.86 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

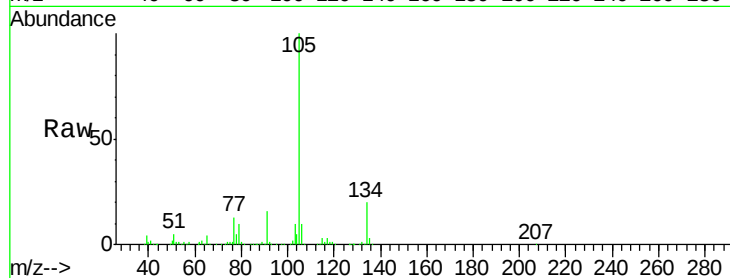
LOQ-SOIL-02-QT1-2018

Tgt Ion:105 Resp: 116780

Ion Ratio Lower Upper

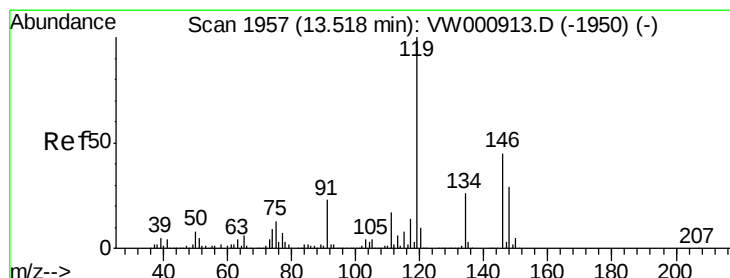
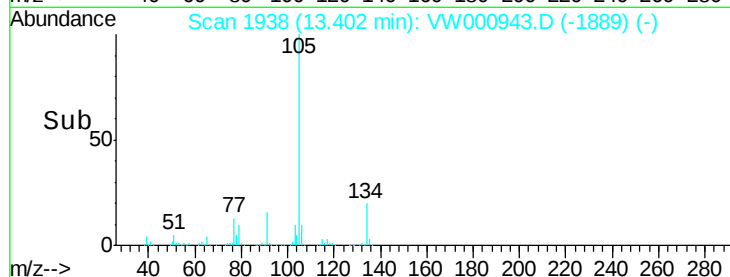
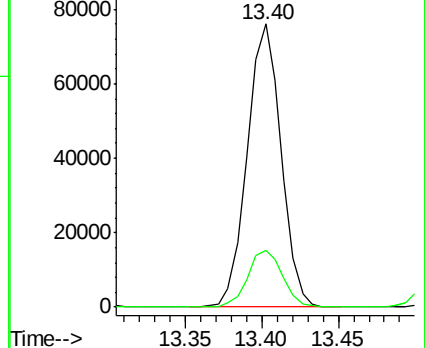
105 100

134 20.7 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: 9.76 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

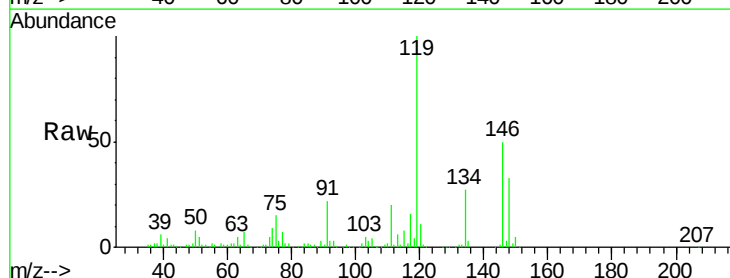
Tgt Ion:119 Resp: 102545

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.6

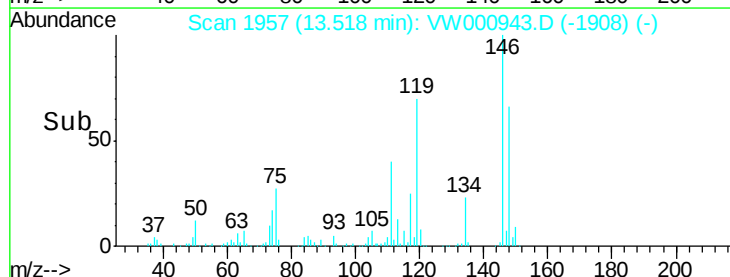
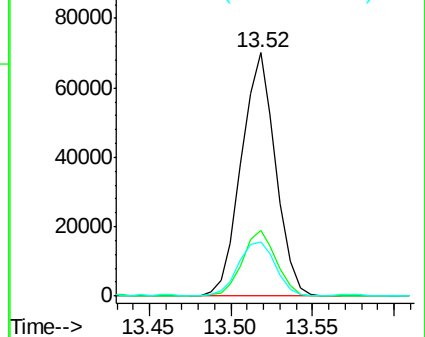
91 24.1 11.7 35.0

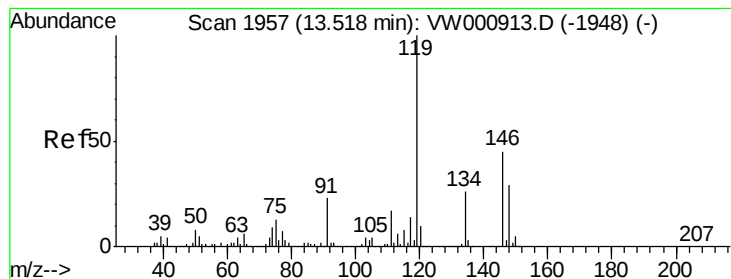


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 10.33 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

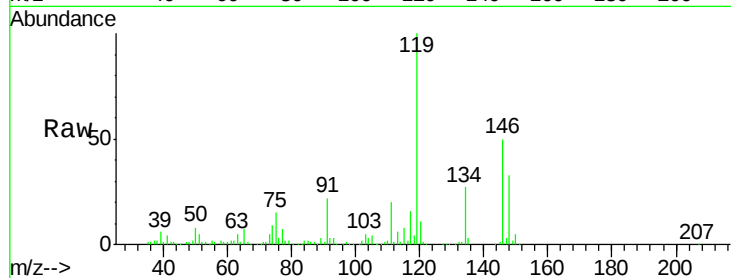
Tgt Ion:146 Resp: 57403

Ion Ratio Lower Upper

146 100

111 38.0 19.7 59.0

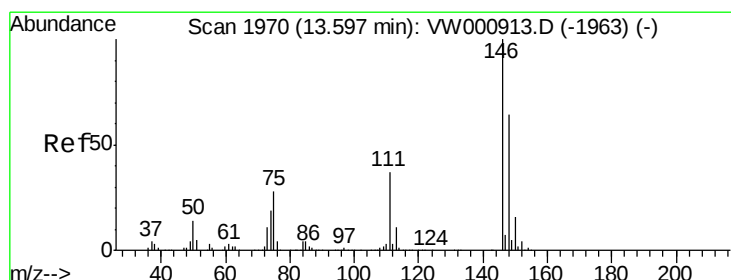
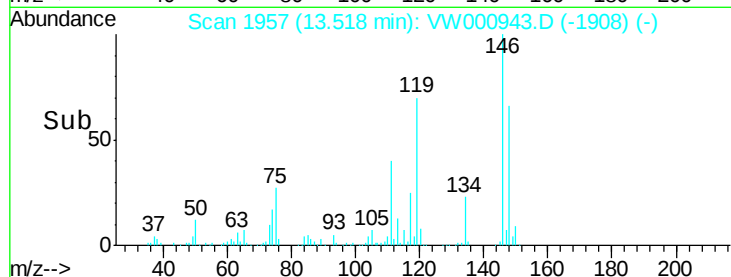
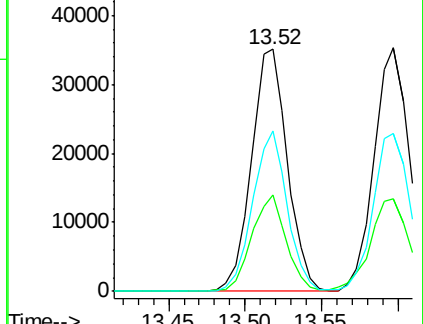
148 63.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.17 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

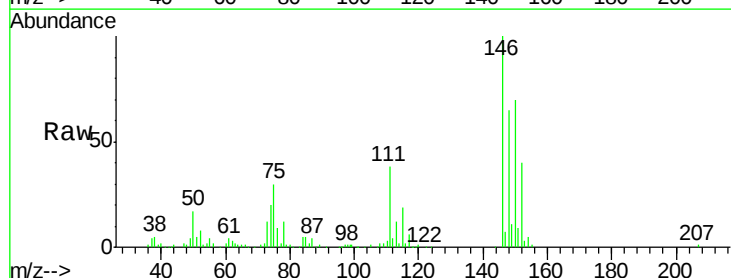
Tgt Ion:146 Resp: 56502

Ion Ratio Lower Upper

146 100

111 41.6 19.0 57.0

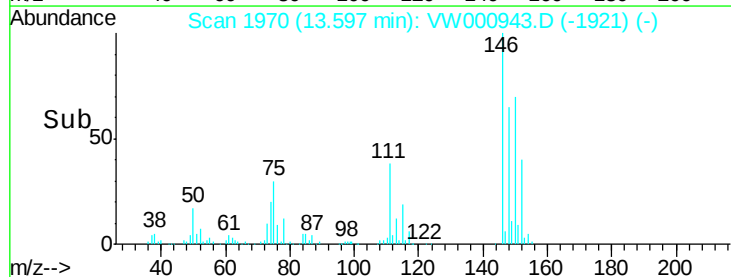
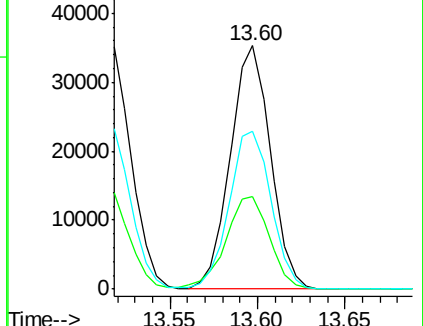
148 67.4 32.4 97.2

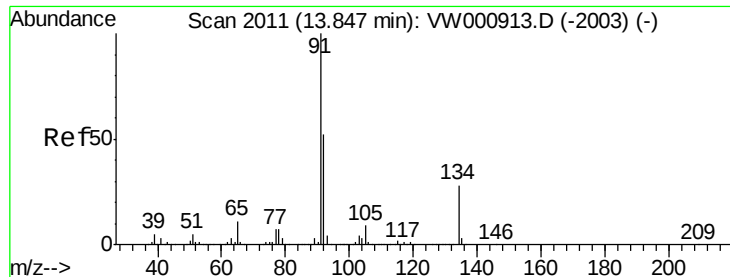


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

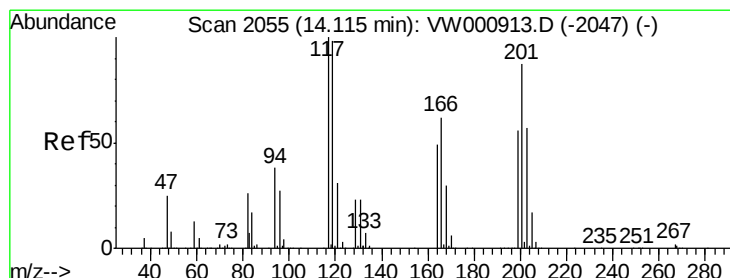
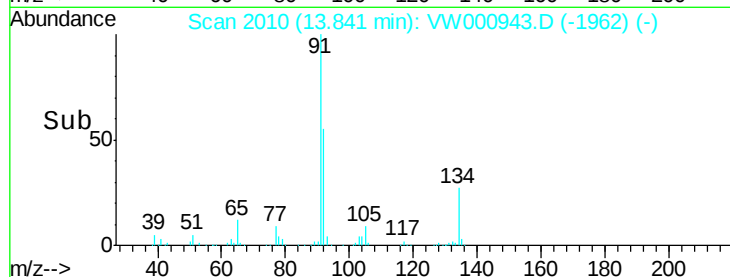
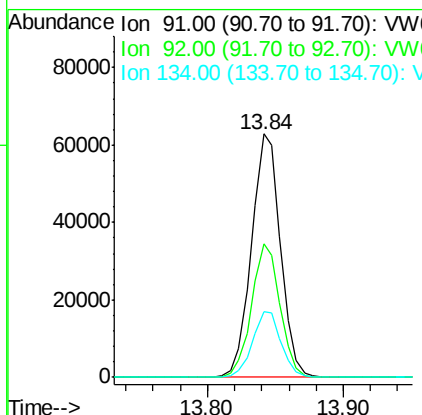
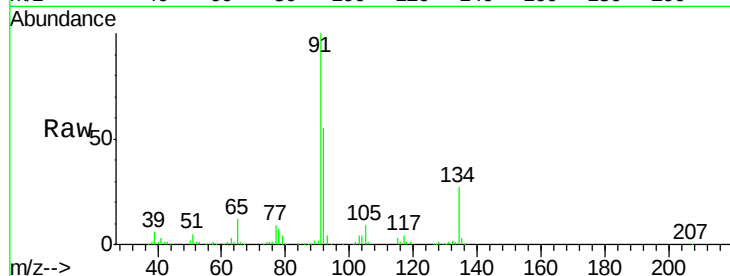




#89
n-Butylbenzene
Concen: 9.54 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

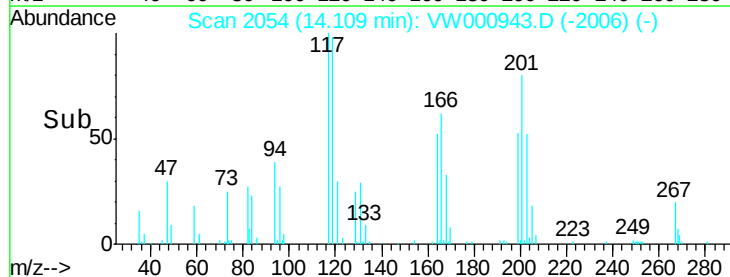
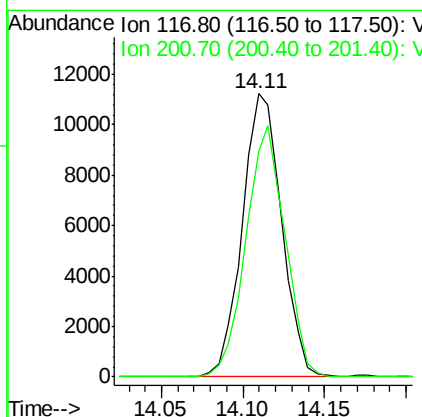
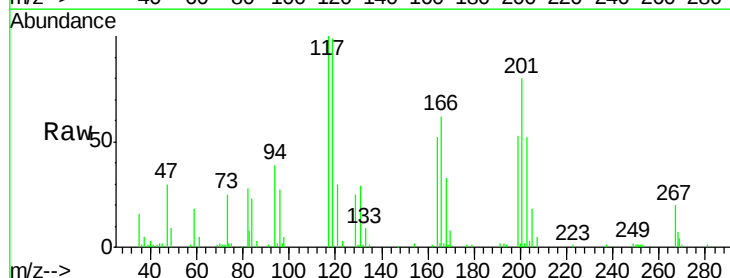
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT1-2018

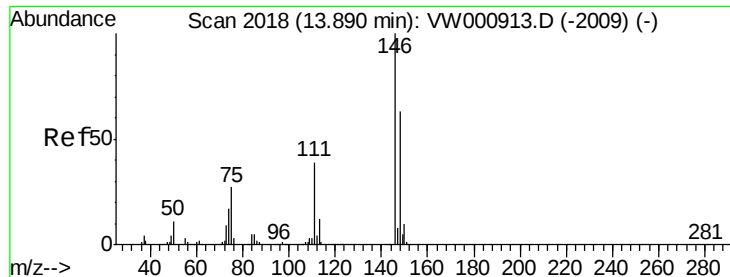
Tgt Ion: 91 Resp: 94062
Ion Ratio Lower Upper
91 100
92 53.6 26.2 78.6
134 26.7 13.7 41.1



#90
Hexachloroethane
Concen: 9.66 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.01 min
Lab File: VW000943.D
Acq: 24 Jan 2018 12:46

Tgt Ion: 117 Resp: 18857
Ion Ratio Lower Upper
117 100
201 87.9 42.8 128.3

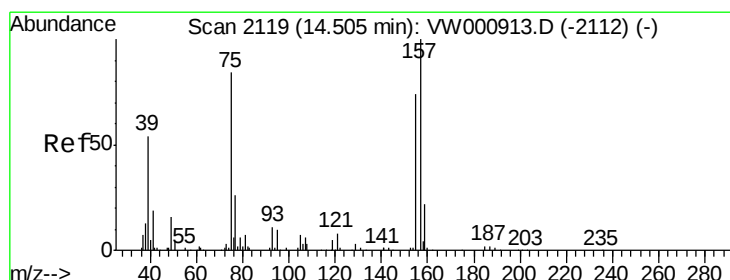
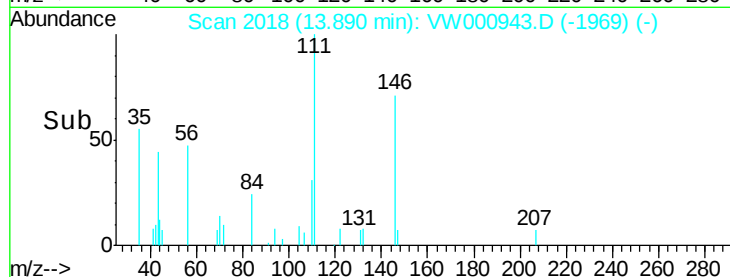
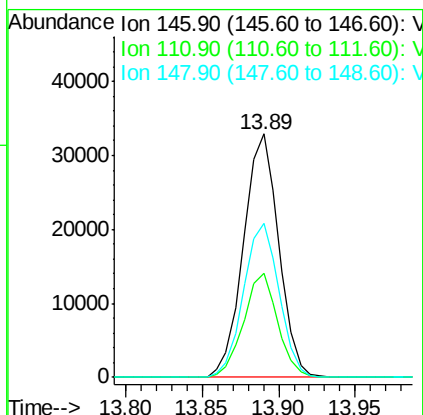
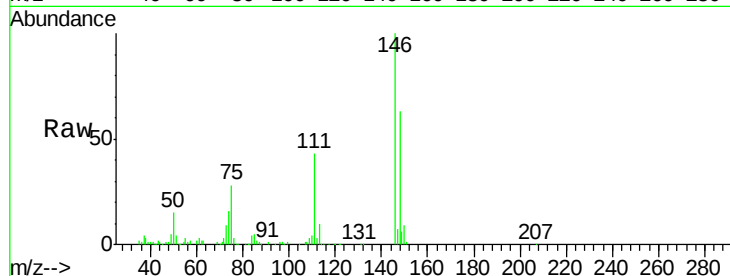




#91
 1,2-Dichlorobenzene
 Concen: 10.55 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

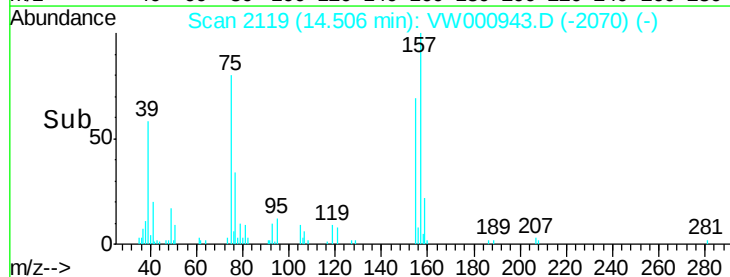
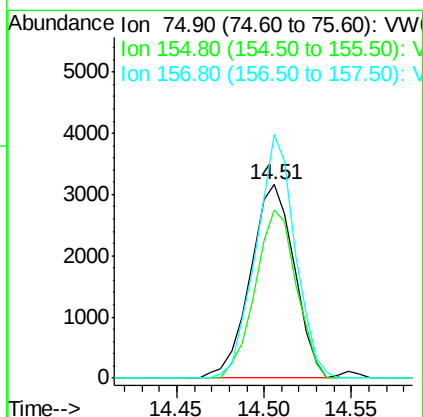
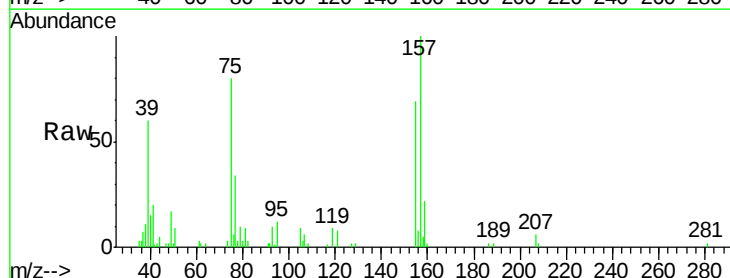
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

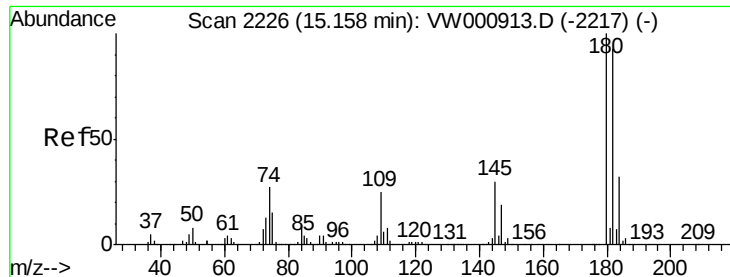
Tgt Ion:146 Resp: 52778
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.8 59.4
 148 64.0 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.68 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion: 75 Resp: 5543
 Ion Ratio Lower Upper
 75 100
 155 80.9 45.9 137.6
 157 111.9 59.8 179.3

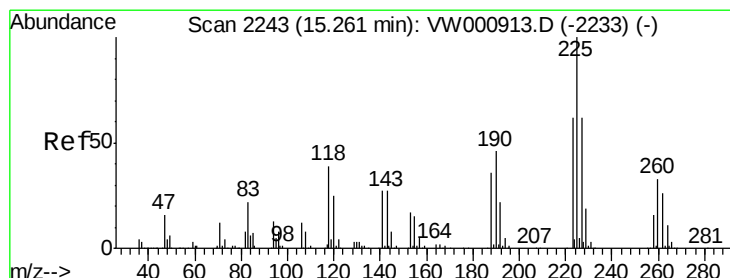
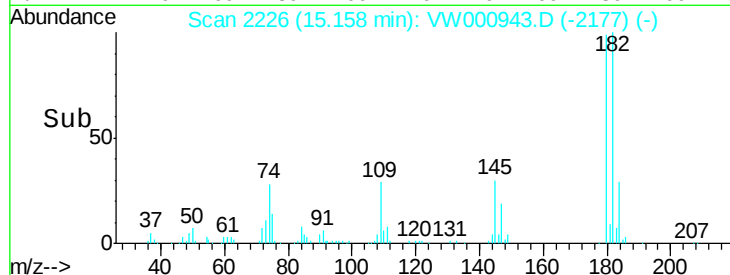
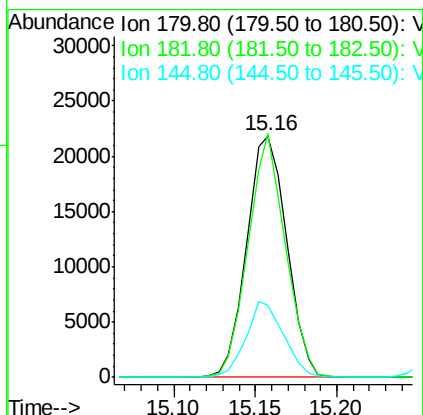
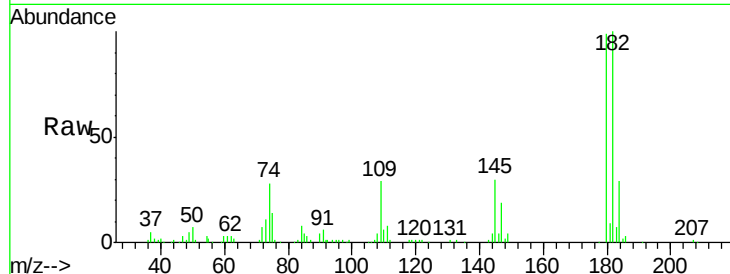




#93
 1,2,4-Trichlorobenzene
 Concen: 10.00 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

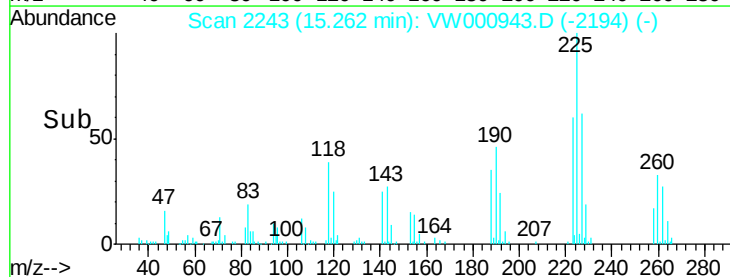
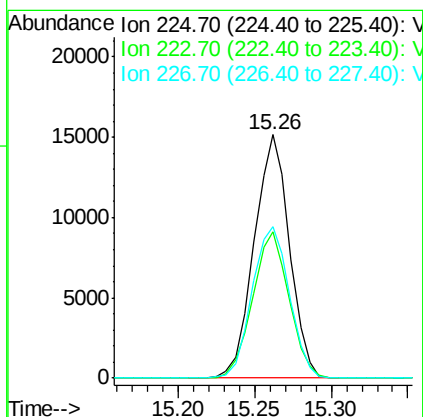
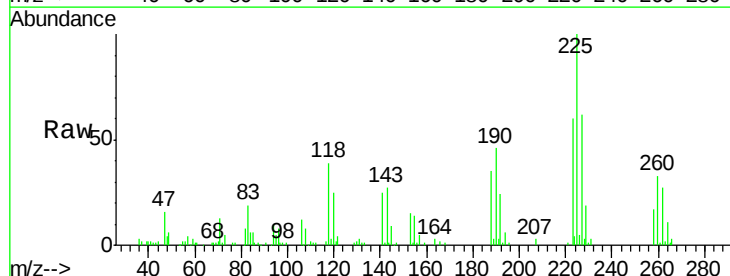
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

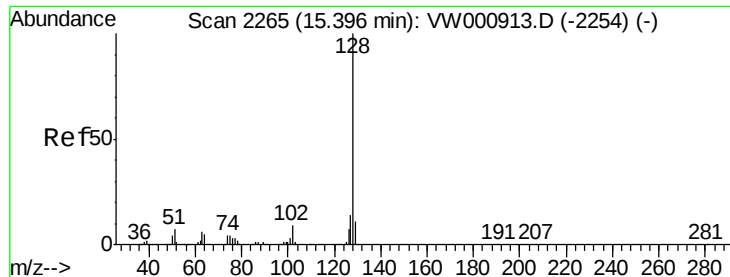
Tgt Ion:180 Resp: 37305
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.5 142.6
 145 29.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 10.28 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000943.D
 Acq: 24 Jan 2018 12:46

Tgt Ion:225 Resp: 24293
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 65.6 31.8 95.3





#95

Naphthalene

Concen: 9.32 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.01 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT1-2018

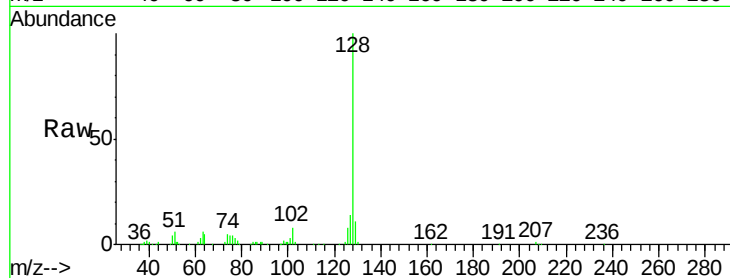
Tgt Ion:128 Resp: 73325

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

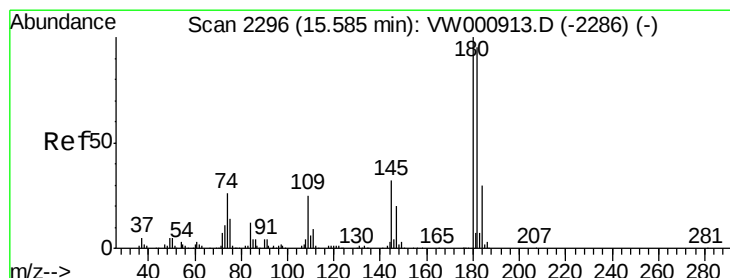
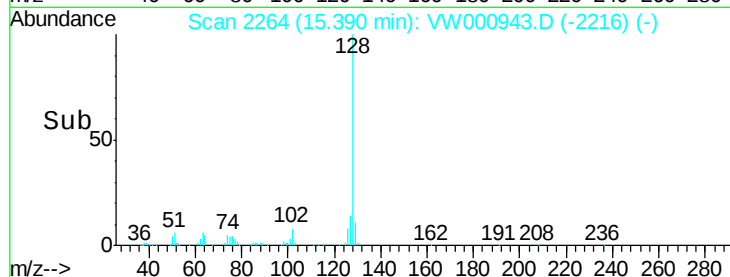
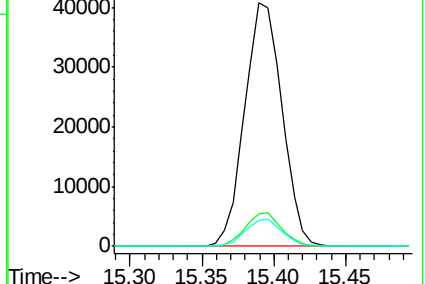
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 9.91 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000943.D

Acq: 24 Jan 2018 12:46

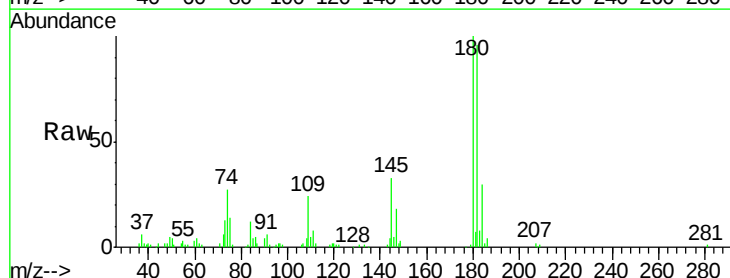
Tgt Ion:180 Resp: 33981

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.3

145 32.3 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

