

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010019.D
 Acq On : 17 Apr 2019 16:40
 Operator : SY/VA
 Sample : K2241-01LOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Apr 18 02:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	364903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	613572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	535947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	258063	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	231473	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	7.88	113	188812	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.32	98	723092	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	245140	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	5248	1.886	ug/l	73
3) Chloromethane	2.21	50	5016	1.803	ug/l #	83
4) Vinyl Chloride	2.37	62	4830	1.493	ug/l	97
5) Bromomethane	2.78	94	4431	2.039	ug/l	93
6) Chloroethane	2.92	64	3827	1.811	ug/l	97
7) Trichlorofluoromethane	3.24	101	3889	1.739	ug/l	85
8) Diethyl Ether	3.67	74	4746	2.551	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	7690	2.044	ug/l	96
10) Methyl Iodide	4.26	142	9391	1.806	ug/l	96
11) Tert butyl alcohol	5.18	59	1492	5.817	ug/l #	73
12) 1,1-Dichloroethene	4.03	96	7404	2.052	ug/l #	77
13) Acrolein	3.89	56	3686	13.660	ug/l	95
14) Allyl chloride	4.65	41	11308	1.763	ug/l #	80
15) Acrylonitrile	5.36	53	8676	9.063	ug/l	96
16) Acetone	4.13	43	16179	15.485	ug/l	100
17) Carbon Disulfide	4.37	76	11569	2.375	ug/l	96
18) Methyl Acetate	4.67	43	7721	3.193	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	8689	1.854	ug/l	91
20) Methylene Chloride	4.91	84	26203	2.348	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	7335	1.878	ug/l #	76
22) Diisopropyl ether	6.31	45	21719	1.670	ug/l	88
23) Vinyl Acetate	6.25	43	60517	7.390	ug/l	98
24) 1,1-Dichloroethane	6.20	63	15947	2.051	ug/l #	96
25) 2-Butanone	7.18	43	12167	8.865	ug/l	98
26) 2,2-Dichloropropane	7.16	77	9203	2.139	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8026	1.868	ug/l	96
28) Bromochloromethane	7.50	49	6712	2.112	ug/l	100
29) Tetrahydrofuran	7.54	42	7627	8.770	ug/l	95
30) Chloroform	7.67	83	15534	1.993	ug/l	89
31) Cyclohexane	7.95	56	20742	2.848	ug/l #	60
32) 1,1,1-Trichloroethane	7.87	97	12682	2.073	ug/l	95
36) 1,1-Dichloropropene	8.08	75	11736	1.873	ug/l	96
37) Ethyl Acetate	7.25	43	6692	2.101	ug/l #	93
38) Carbon Tetrachloride	8.06	117	12023	1.966	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	11701	2.695	ug/l	94
40) Benzene	8.32	78	31336	1.829	ug/l	97
41) Methacrylonitrile	7.49	41	2934	1.616	ug/l #	76
42) 1,2-Dichloroethane	8.40	62	11691	1.985	ug/l	97
43) Isopropyl Acetate	8.42	43	10816	1.812	ug/l	98
44) Trichloroethene	9.09	130	8433	1.937	ug/l	95
45) 1,2-Dichloropropane	9.37	63	8574	1.903	ug/l	94
46) Dibromomethane	9.46	93	4368	1.871	ug/l	97
47) Bromodichloromethane	9.65	83	10991	1.824	ug/l	93
48) Methyl methacrylate	9.43	41	4103	1.412	ug/l	90
49) 1,4-Dioxane	9.46	88	1315	36.862	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	25512	8.162	ug/l	95
52) Toluene	10.39	92	19993	1.873	ug/l	94
53) t-1,3-Dichloropropene	10.60	75	10177	1.703	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	11258	1.650	ug/l #	95
55) 1,1,2-Trichloroethane	10.79	97	6091	1.869	ug/l #	86
56) Ethyl methacrylate	10.65	69	6322	3.965	ug/l	91
57) 1,3-Dichloropropane	10.93	76	10520	1.801	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.92	63	15281	7.848	ug/l	96
59) 2-Hexanone	10.97	43	17065	7.843	ug/l	95
60) Dibromochloromethane	11.13	129	6116	1.624	ug/l	91
61) 1,2-Dibromoethane	11.24	107	5447	1.757	ug/l	97
64) Tetrachloroethene	10.87	164	7394	2.125	ug/l #	73
65) Chlorobenzene	11.66	112	22513	2.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	7786	1.985	ug/l #	66
67) Ethyl Benzene	11.73	91	36464	1.863	ug/l	95
68) m/p-Xylenes	11.84	106	25803	3.527	ug/l	98
69) o-Xylene	12.16	106	11798	1.771	ug/l	94
70) Styrene	12.18	104	17722	1.543	ug/l	95
71) Bromoform	12.35	173	3939	1.899	ug/l #	100
73) Isopropylbenzene	12.46	105	31443	1.751	ug/l	98
74) N-amyl acetate	12.27	43	8172	1.643	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6997	1.972	ug/l	90
76) 1,2,3-Trichloropropane	12.77	75	5846	2.263	ug/l #	100
77) Bromobenzene	12.75	156	8469	2.050	ug/l	96
78) n-propylbenzene	12.80	91	44273	1.989	ug/l	99
79) 2-Chlorotoluene	12.90	91	26263	2.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	27247	1.789	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	136782	124.873	ug/l #	5
82) 4-Chlorotoluene	12.99	91	28013	2.079	ug/l	100
83) tert-Butylbenzene	13.21	119	22441	1.779	ug/l	92
84) 1,2,4-Trimethylbenzene	13.25	105	27109	1.756	ug/l	98
85) sec-Butylbenzene	13.38	105	33988	1.803	ug/l	98
86) p-Isopropyltoluene	13.50	119	29020	1.747	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	17716	2.122	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	19684	2.362	ug/l	83
89) n-Butylbenzene	13.83	91	32710	1.988	ug/l	98
90) Hexachloroethane	14.09	117	6807	2.140	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	16607	2.218	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1332	2.098	ug/l	93

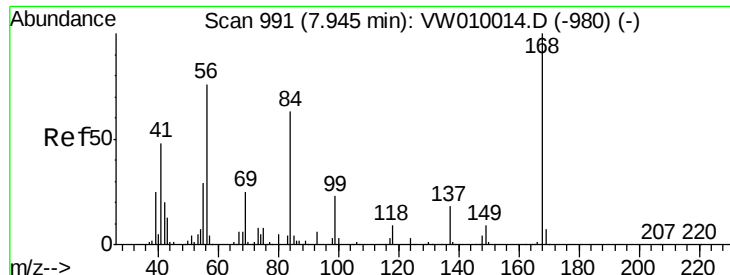
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10348	2.095	ug/l	98
94) Hexachlorobutadiene	15.24	225	6658	2.220	ug/l	98
95) Naphthalene	15.37	128	15090	4.097	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	9092	2.122	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

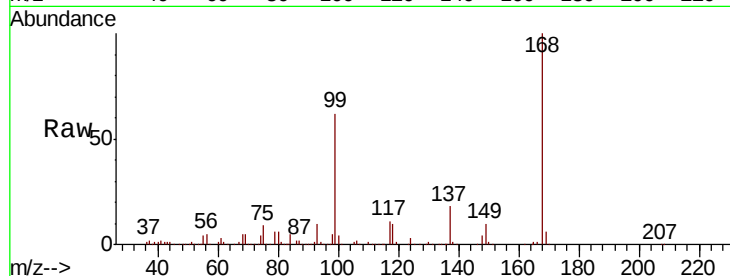
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:168 Resp: 364903

Ion Ratio Lower Upper

168 100

99 61.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

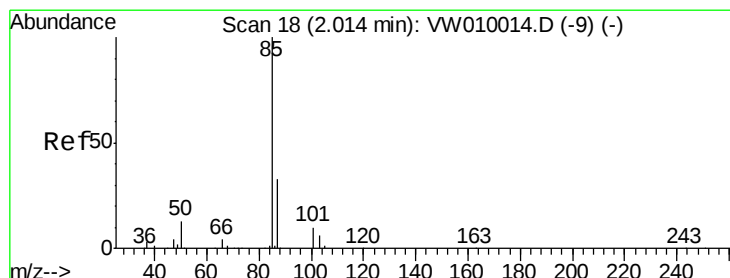
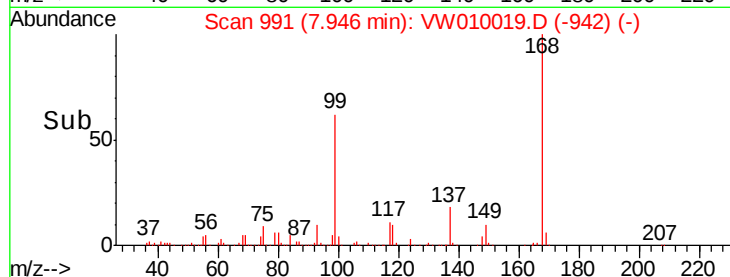
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 1.886 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010019.D

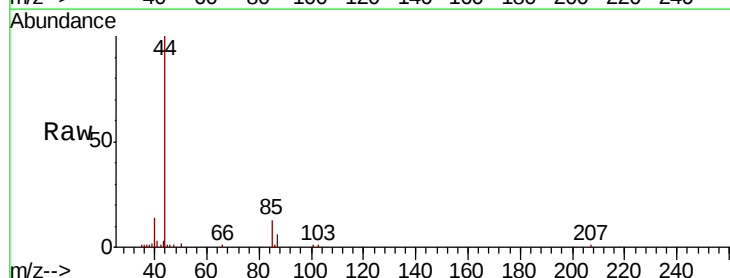
Acq: 17 Apr 2019 16:40

Tgt Ion: 85 Resp: 5248

Ion Ratio Lower Upper

85 100

87 48.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2000

1500

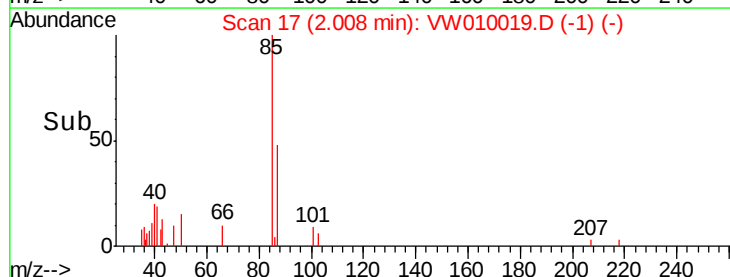
1000

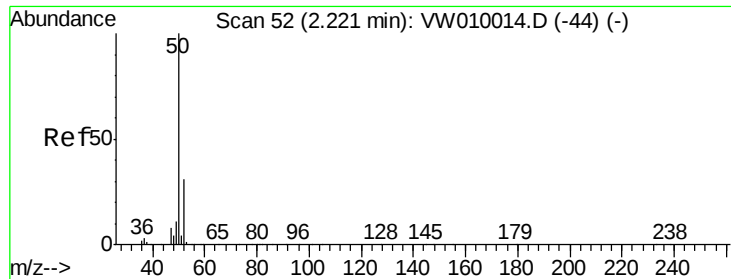
500

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 1.803 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

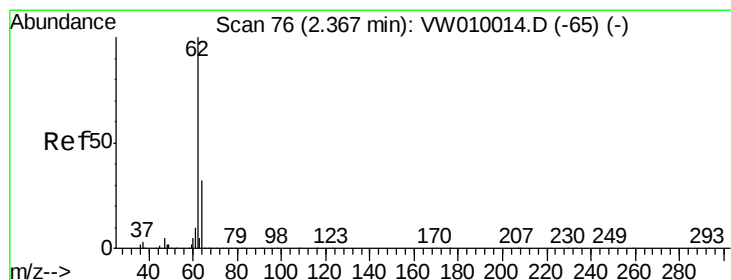
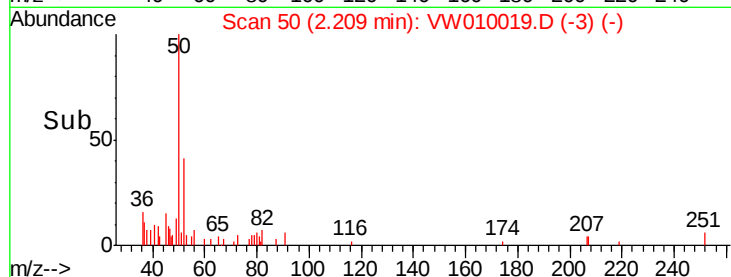
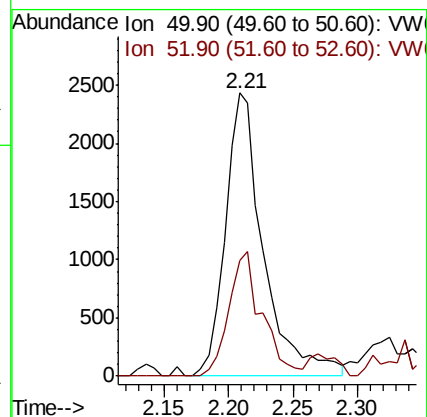
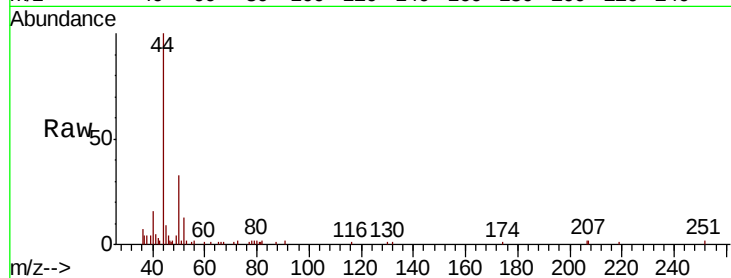
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 50 Resp: 5016

Ion Ratio Lower Upper

50 100

52 40.9 25.0 37.6#



#4

Vinyl Chloride

Concen: 1.493 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010019.D

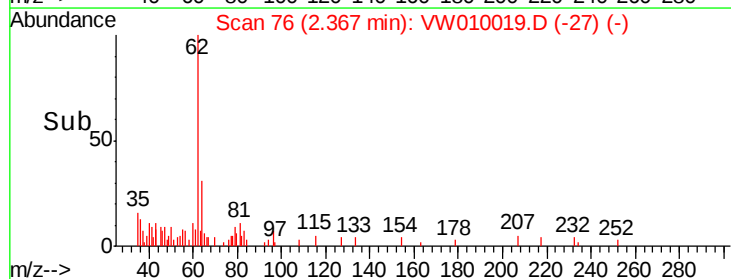
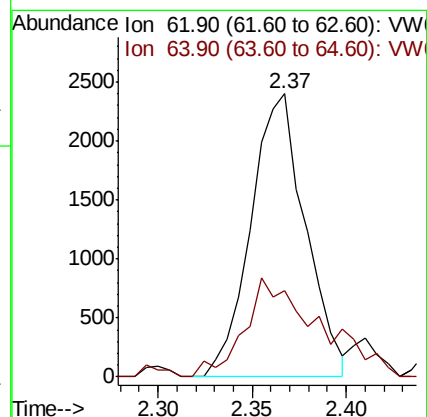
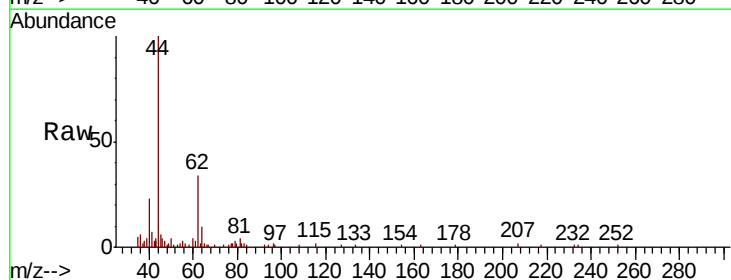
Acq: 17 Apr 2019 16:40

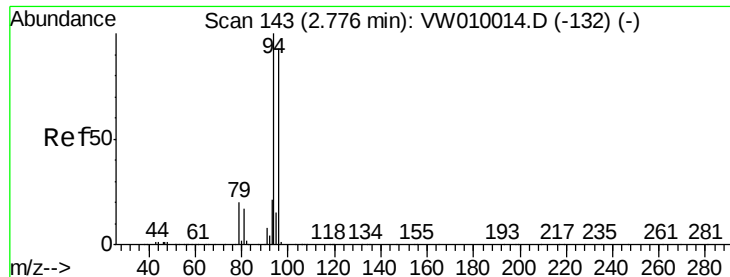
Tgt Ion: 62 Resp: 4830

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 2.039 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

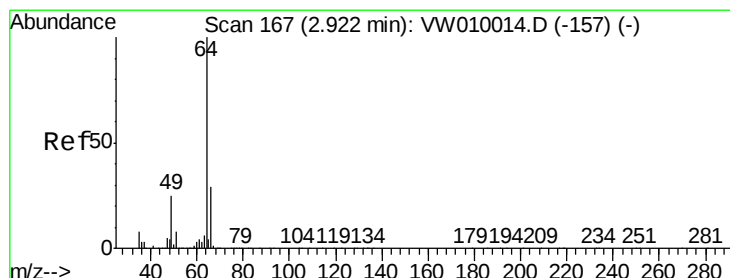
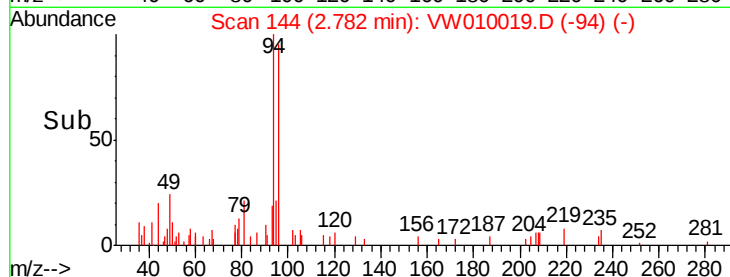
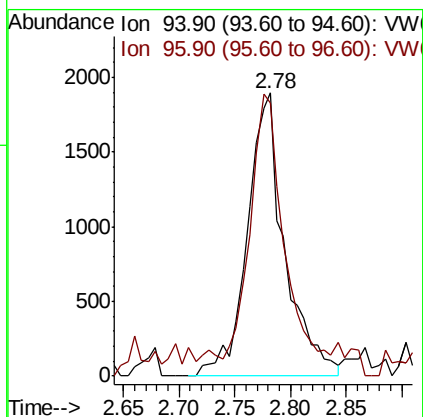
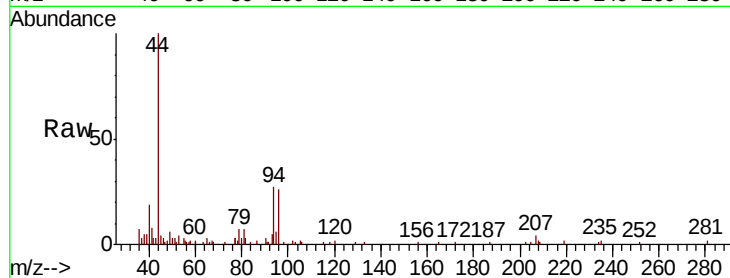
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 94 Resp: 4431

Ion Ratio Lower Upper

94 100

96 86.4 74.2 111.2



#6

Chloroethane

Concen: 1.811 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010019.D

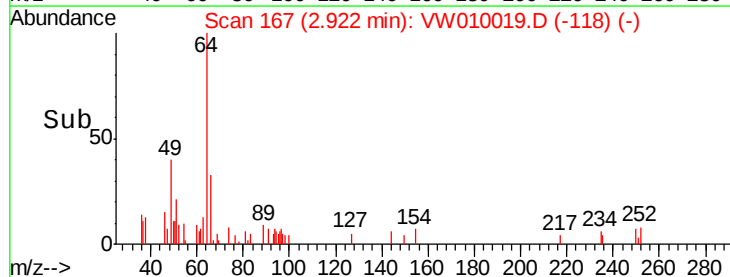
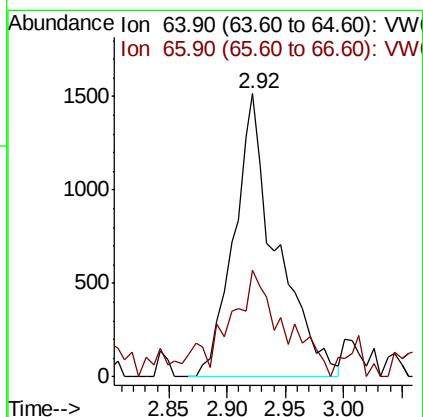
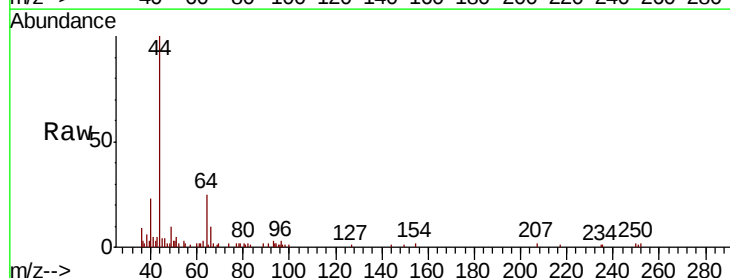
Acq: 17 Apr 2019 16:40

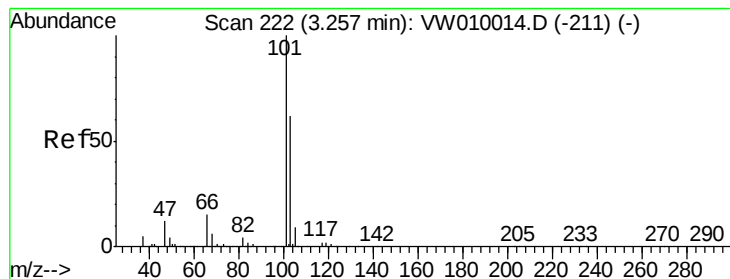
Tgt Ion: 64 Resp: 3827

Ion Ratio Lower Upper

64 100

66 31.0 23.4 35.0





#7

Trichlorofluoromethane

Concen: 1.739 ug/l

RT: 3.24 min Scan# 219

Delta R.T. -0.02 min

Lab File: VW010019.D

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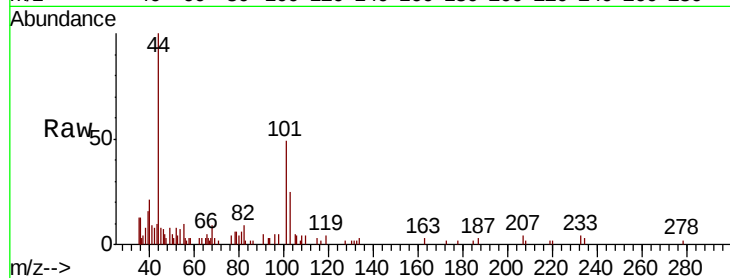
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:101 Resp: 3889

Ion Ratio Lower Upper

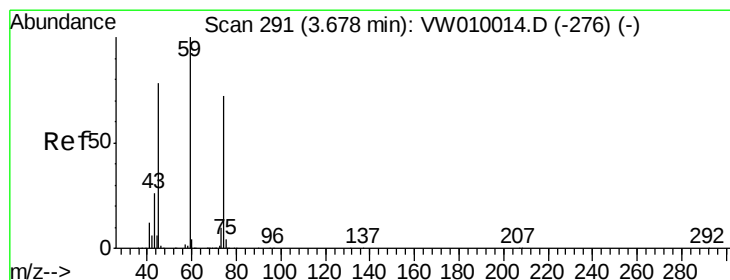
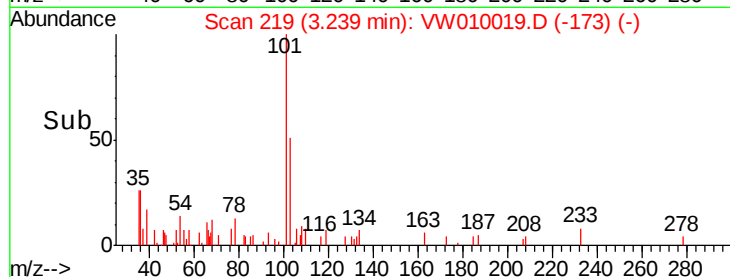
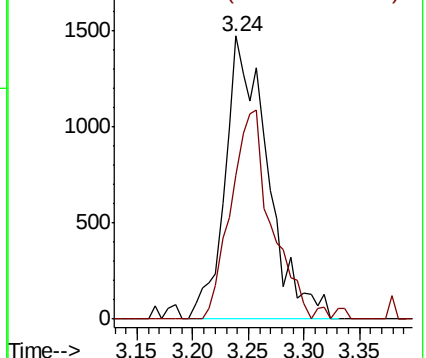
101 100

103 50.7 49.8 74.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.551 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW010019.D

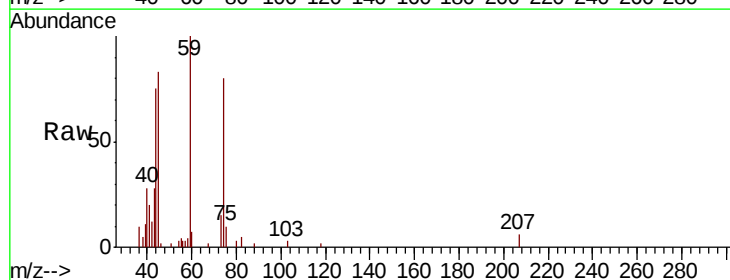
Acq: 17 Apr 2019 16:40

Tgt Ion: 74 Resp: 4746

Ion Ratio Lower Upper

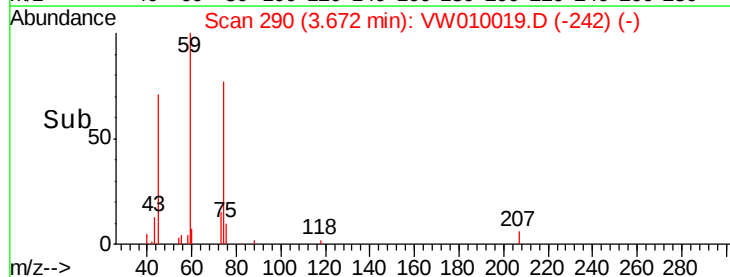
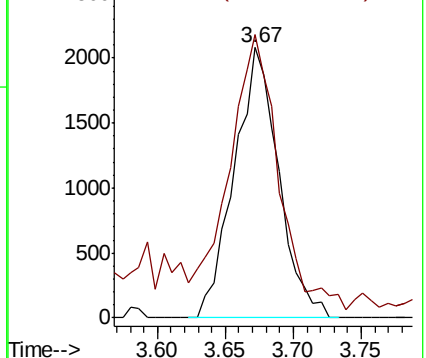
74 100

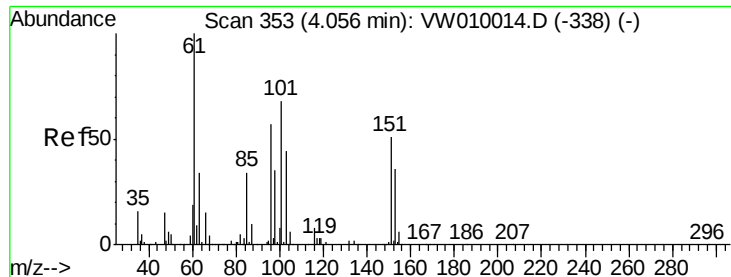
45 112.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.044 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

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LOD-MDL-SOIL-01-QT2-2019

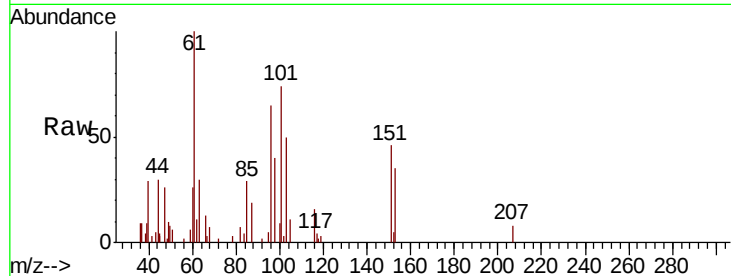
Tgt Ion:101 Resp: 7690

Ion Ratio Lower Upper

101 100

85 49.2 36.3 54.5

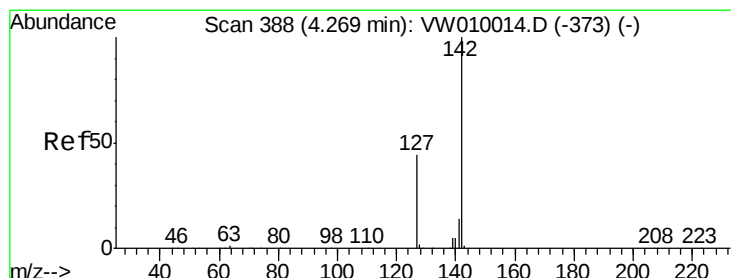
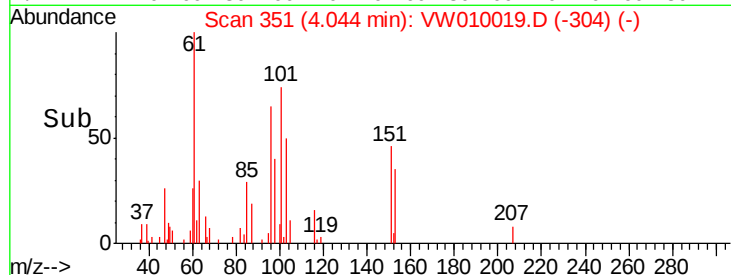
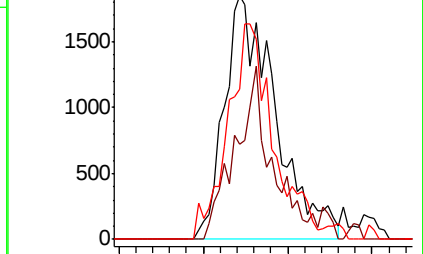
151 77.6 60.2 90.2



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: 1.806 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

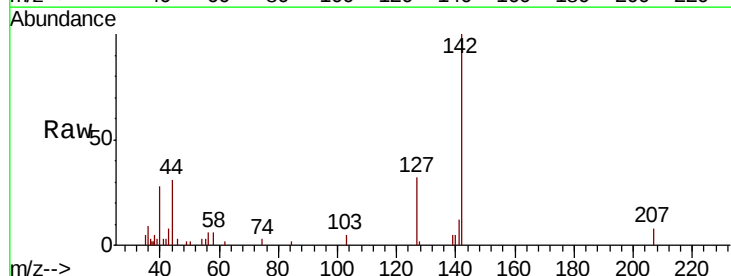
Tgt Ion:142 Resp: 9391

Ion Ratio Lower Upper

142 100

127 43.9 38.1 57.1

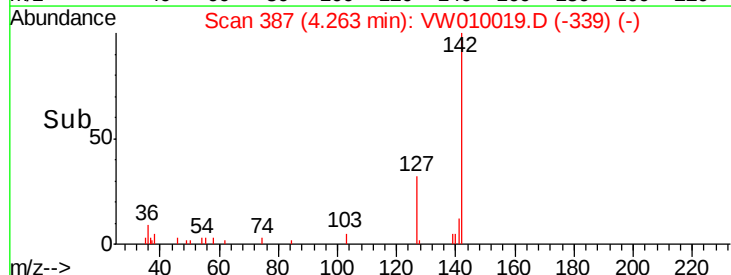
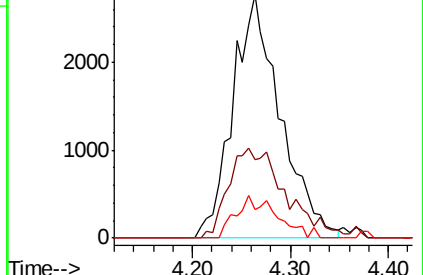
141 14.8 12.2 18.2

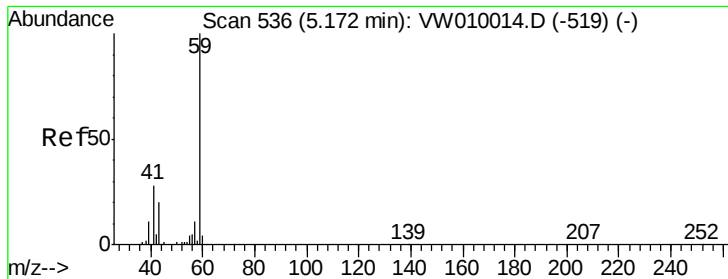


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



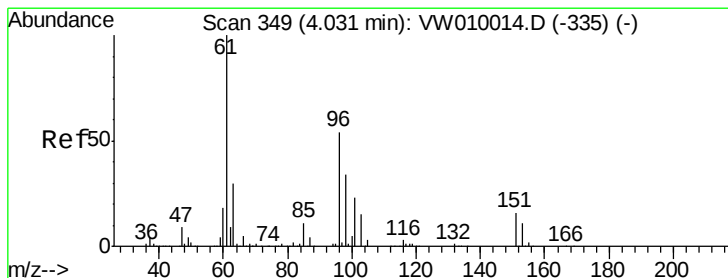
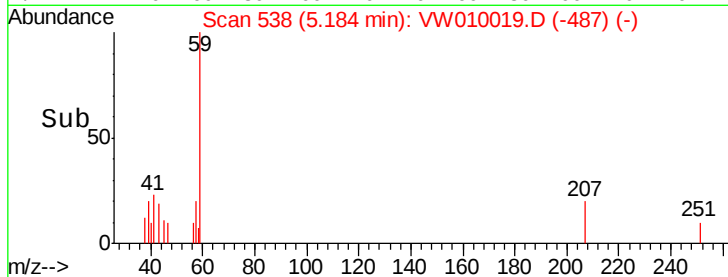
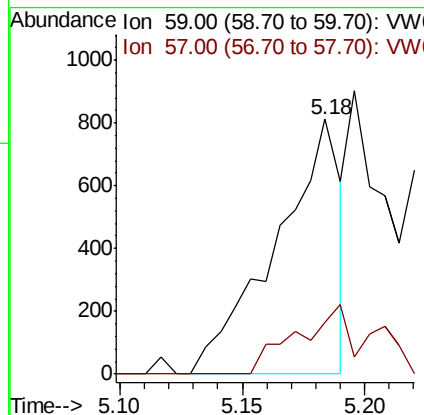
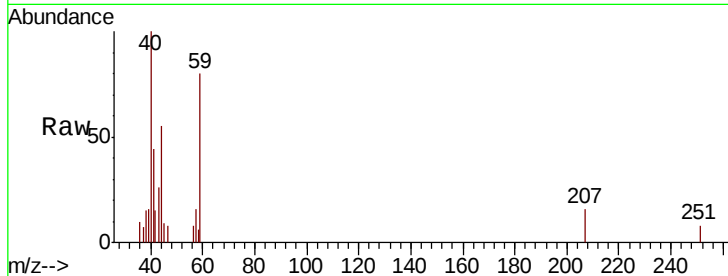


#11

Tert butyl alcohol
 Concen: 5.817 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

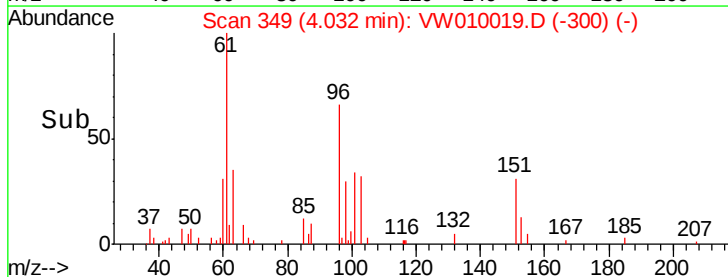
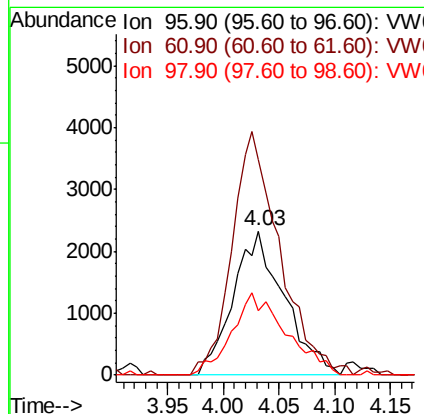
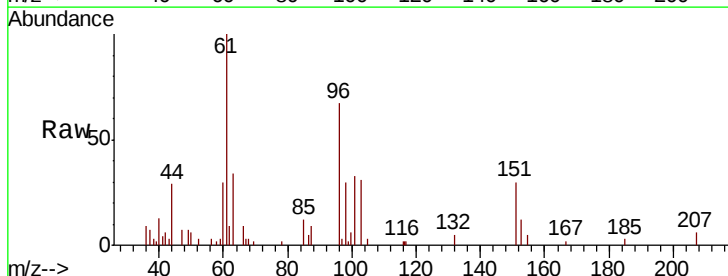
Tgt Ion: 59 Resp: 1492
 Ion Ratio Lower Upper
 59 100
 57 21.4 9.0 13.4#

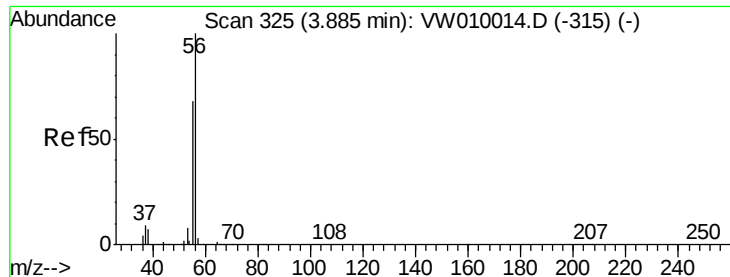


#12

1,1-Dichloroethene
 Concen: 2.052 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 96 Resp: 7404
 Ion Ratio Lower Upper
 96 100
 61 150.1 147.4 221.2
 98 45.0 49.7 74.5#

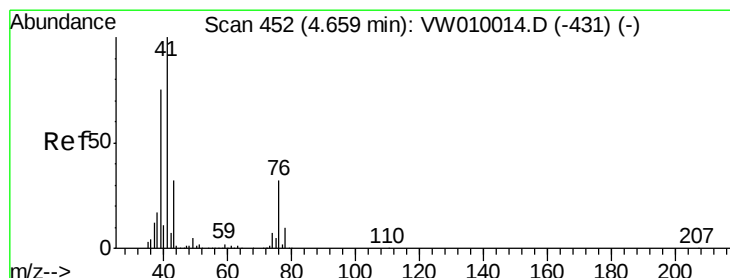
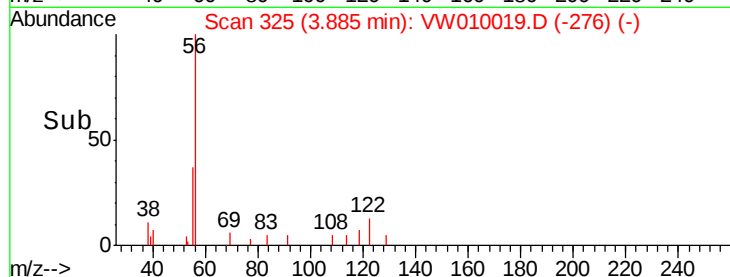
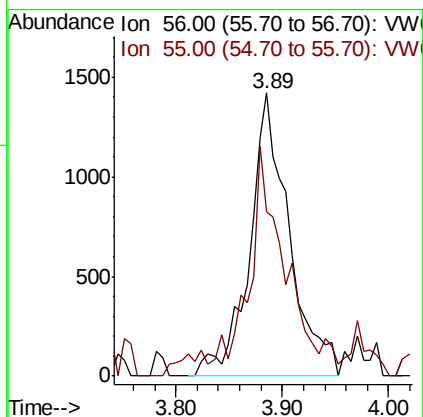
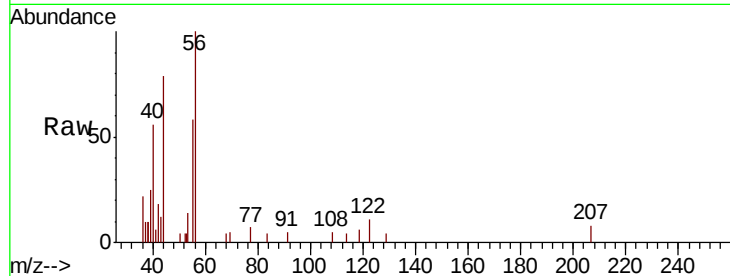




#13
 Acrolein
 Concen: 13.660 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

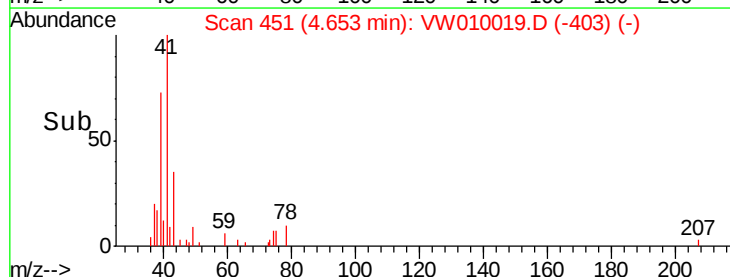
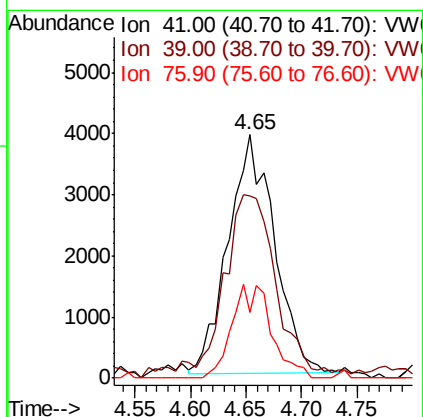
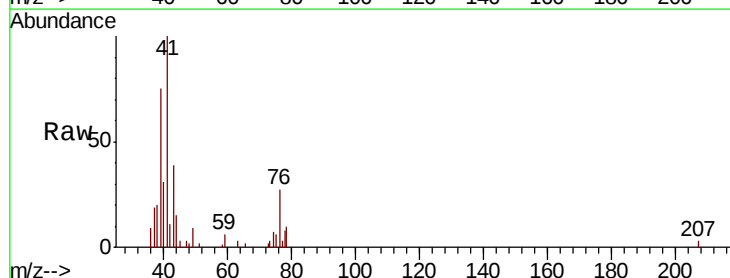
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

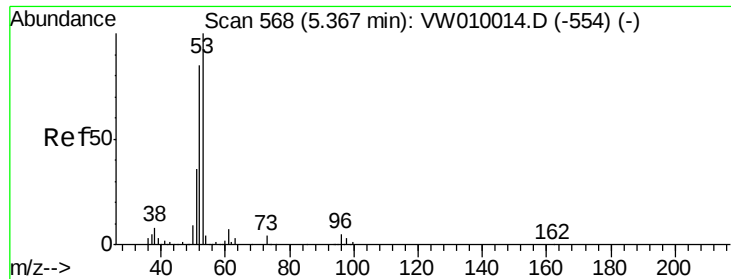
Tgt Ion: 56 Resp: 3686
 Ion Ratio Lower Upper
 56 100
 55 71.4 54.2 81.2



#14
 Allyl chloride
 Concen: 1.763 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 41 Resp: 11308
 Ion Ratio Lower Upper
 41 100
 39 89.6 60.2 90.4
 76 16.4 25.0 37.6#





#15

Acrylonitrile

Concen: 9.063 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

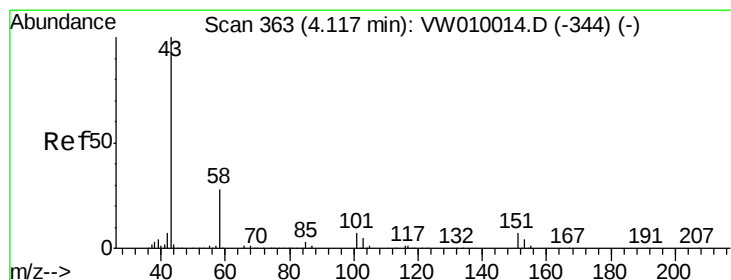
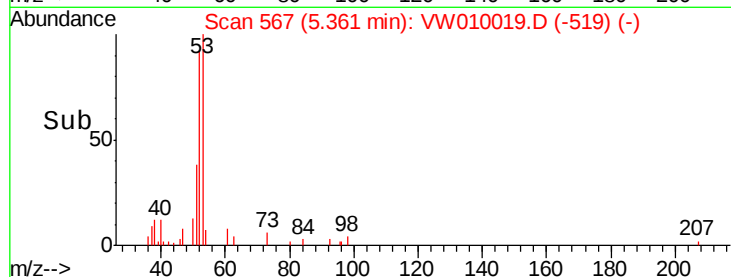
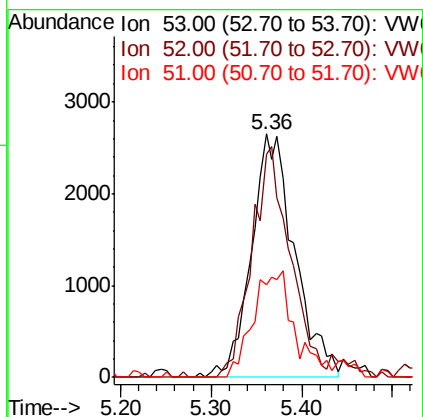
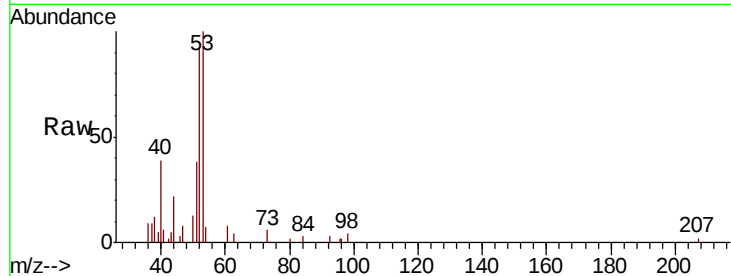
Tgt Ion: 53 Resp: 8676

Ion Ratio Lower Upper

53 100

52 85.2 66.6 100.0

51 42.0 30.3 45.5



#16

Acetone

Concen: 15.485 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010019.D

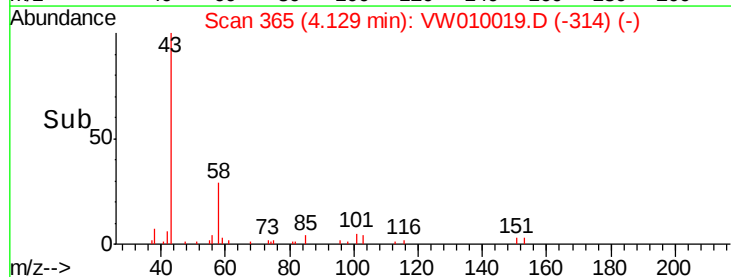
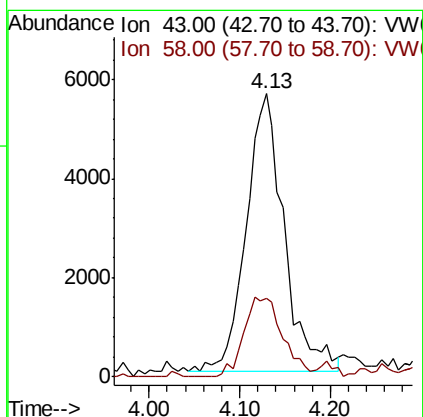
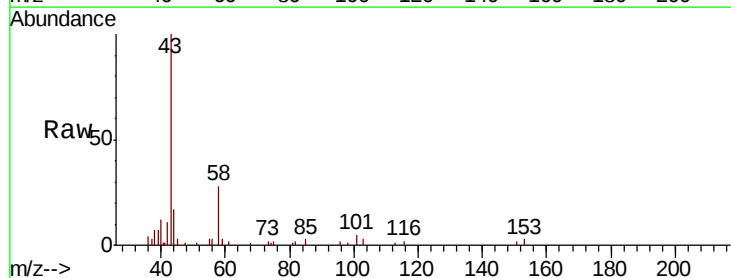
Acq: 17 Apr 2019 16:40

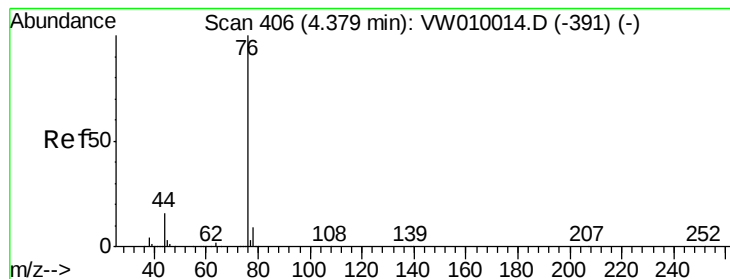
Tgt Ion: 43 Resp: 16179

Ion Ratio Lower Upper

43 100

58 28.3 22.7 34.1





#17

Carbon Disulfide

Concen: 2.375 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

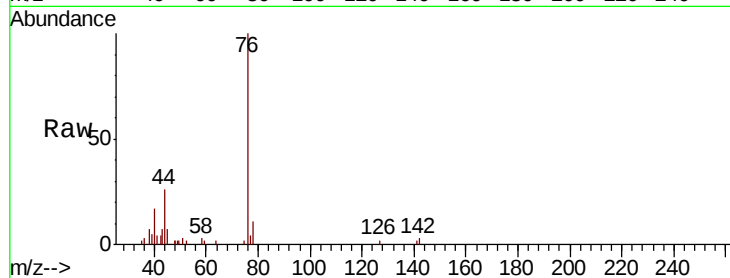
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 76 Resp: 11569

Ion Ratio Lower Upper

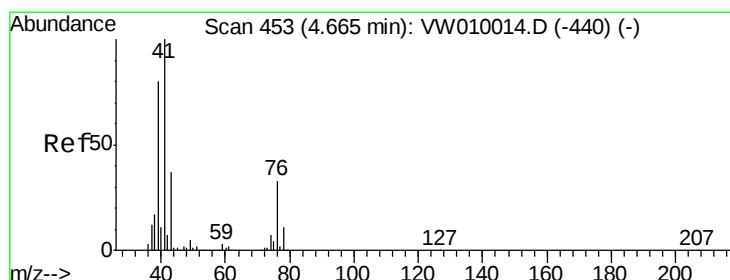
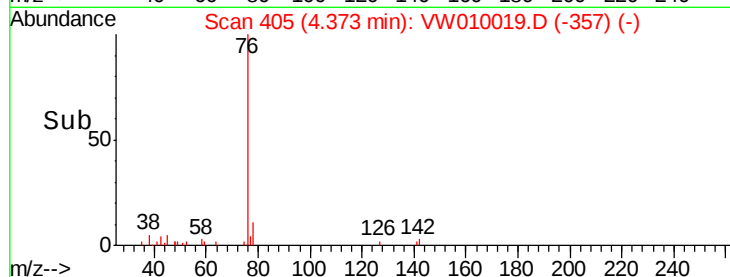
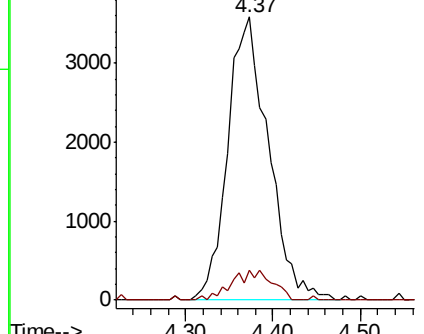
76 100

78 10.7 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: 3.193 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010019.D

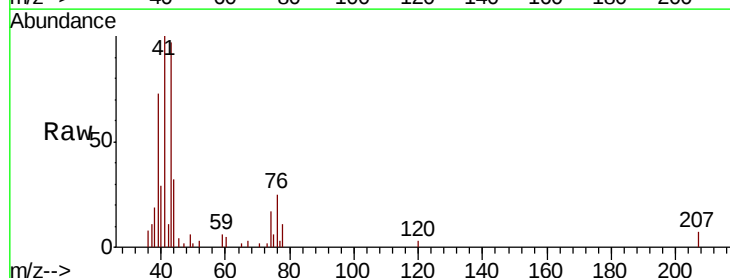
Acq: 17 Apr 2019 16:40

Tgt Ion: 43 Resp: 7721

Ion Ratio Lower Upper

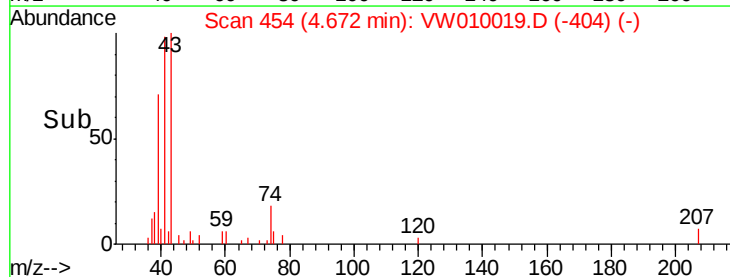
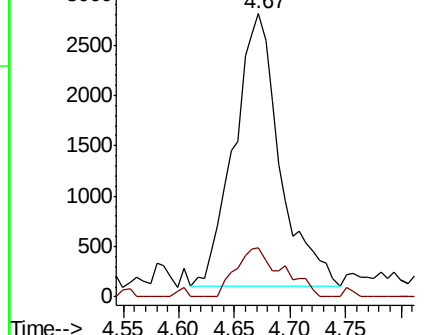
43 100

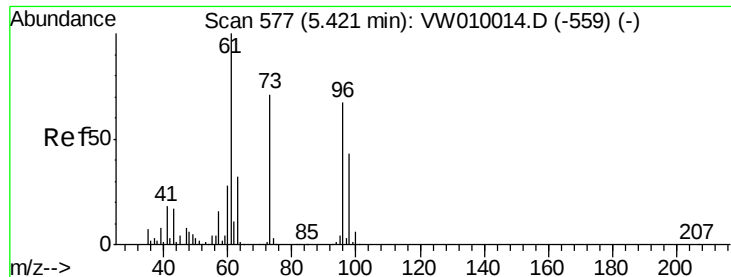
74 18.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

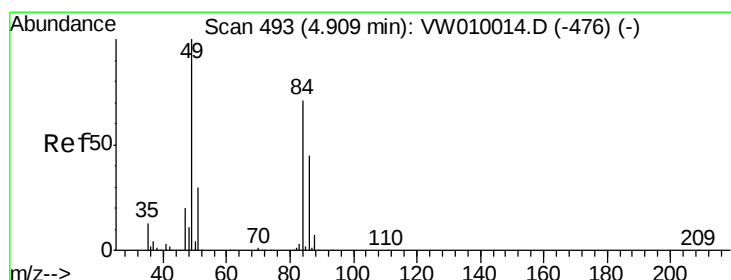
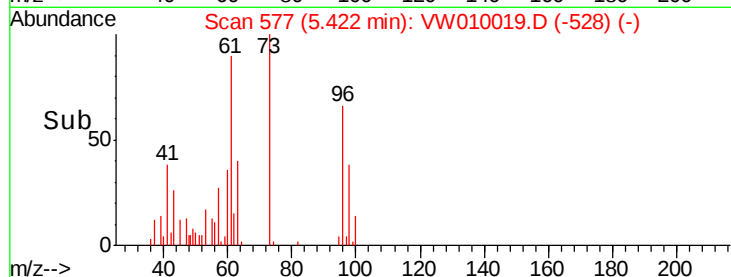
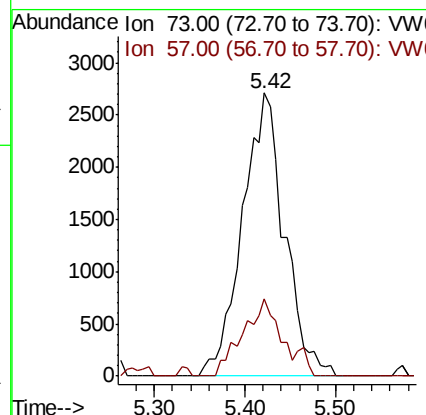
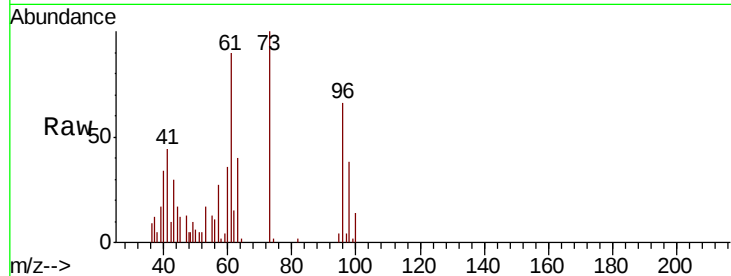




#19
Methyl tert-butyl Ether
Concen: 1.854 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

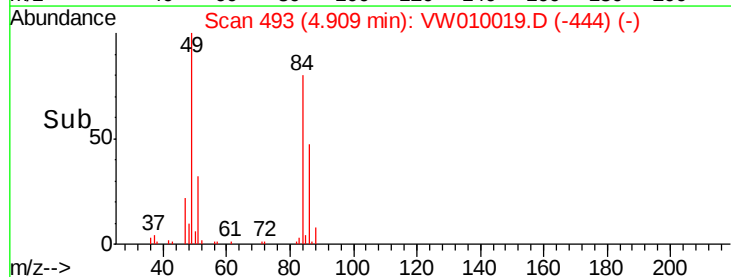
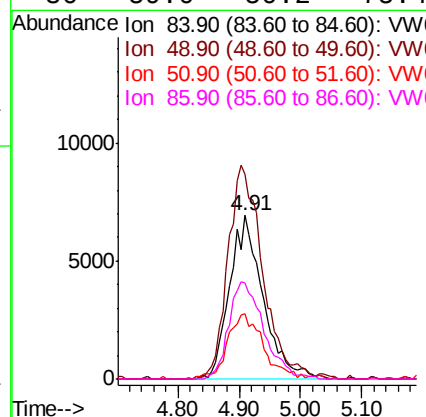
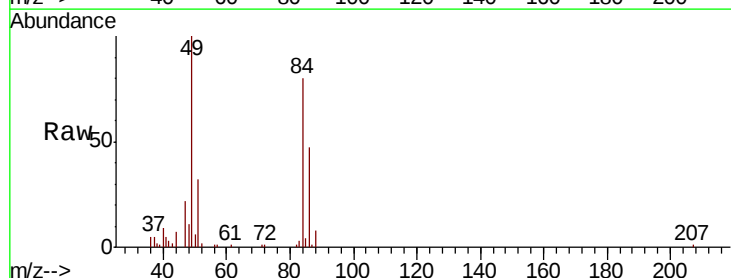
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

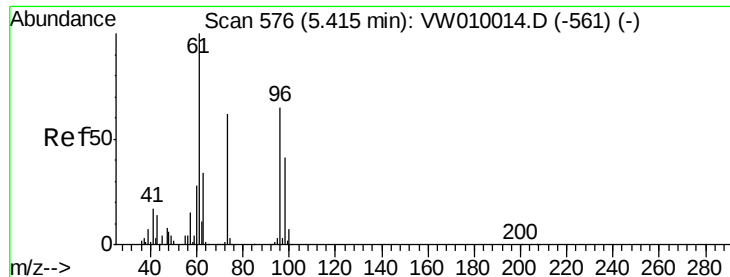
Tgt Ion: 73 Resp: 8689
Ion Ratio Lower Upper
73 100
57 27.3 18.5 27.7



#20
Methylene Chloride
Concen: 2.348 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 84 Resp: 26203
Ion Ratio Lower Upper
84 100
49 125.7 112.3 168.5
51 40.0 33.9 50.9
86 59.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 1.878 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

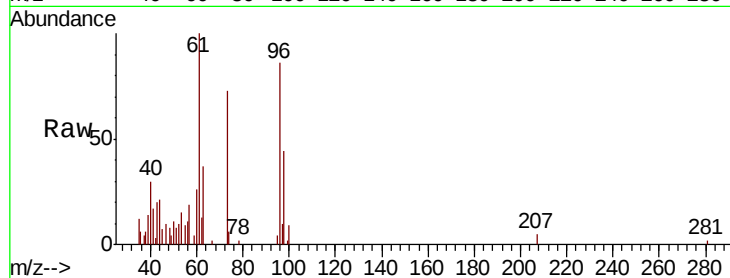
Tgt Ion: 96 Resp: 7335

Ion Ratio Lower Upper

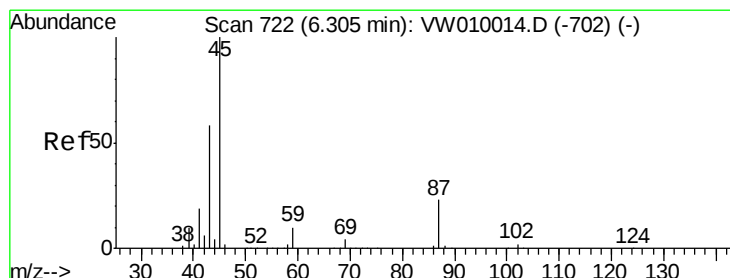
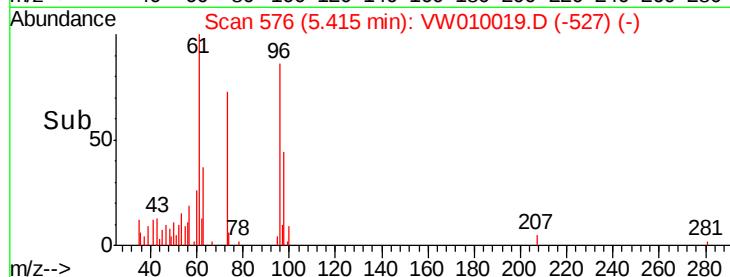
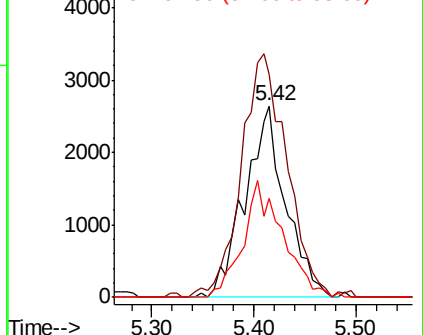
96 100

61 116.7 122.3 183.5#

98 51.8 50.5 75.7



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: 1.670 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Tgt Ion: 45 Resp: 21719

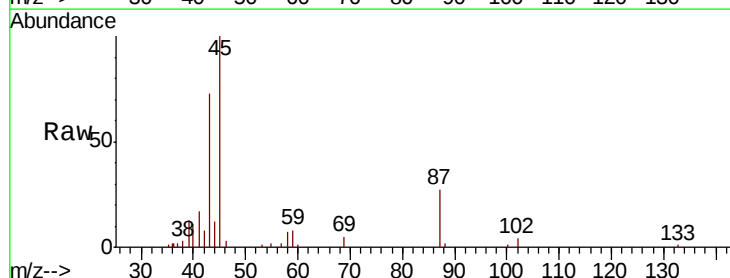
Ion Ratio Lower Upper

45 100

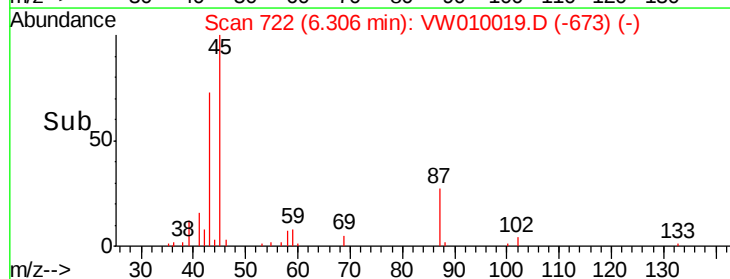
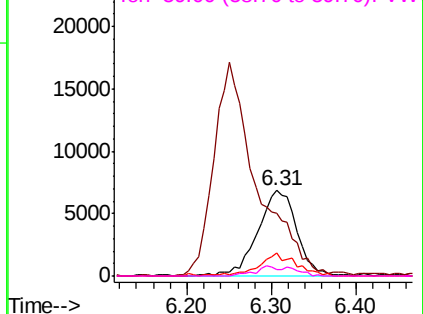
43 68.1 46.1 69.1

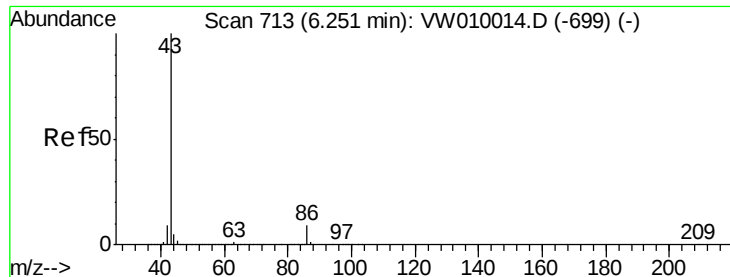
87 26.9 18.3 27.5

59 8.3 8.2 12.4



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: 7.390 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

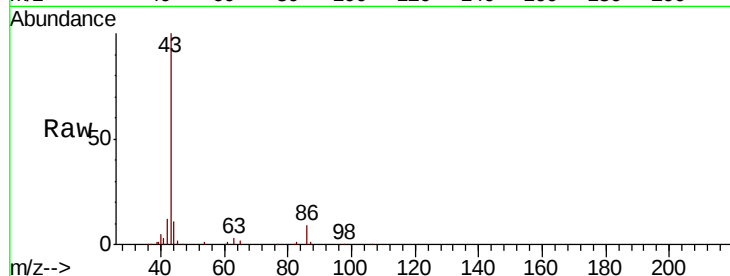
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 43 Resp: 60517

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

20000

15000

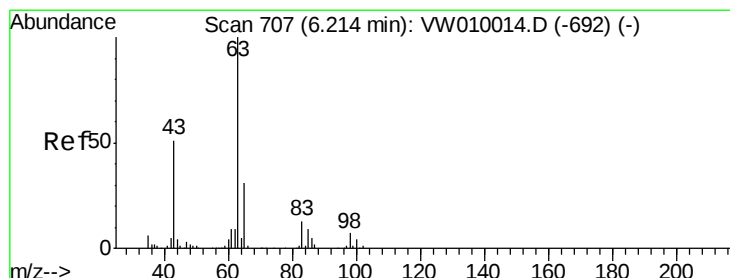
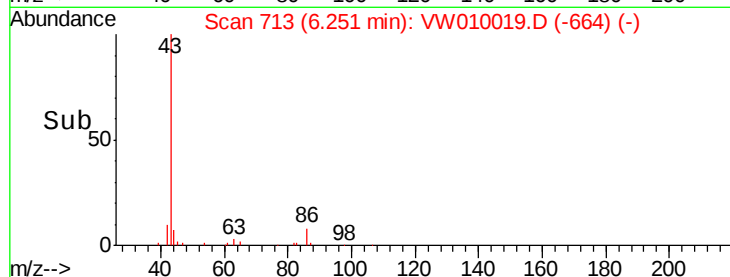
10000

5000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 2.051 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

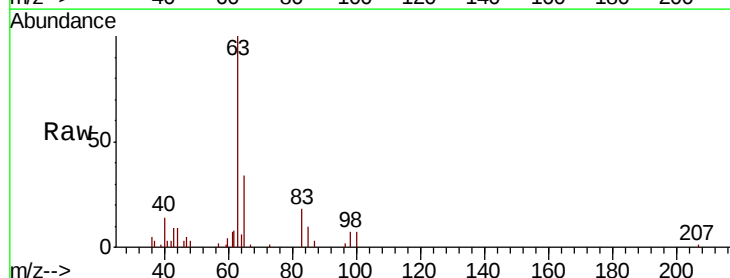
Tgt Ion: 63 Resp: 15947

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 6.9 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.20

6000

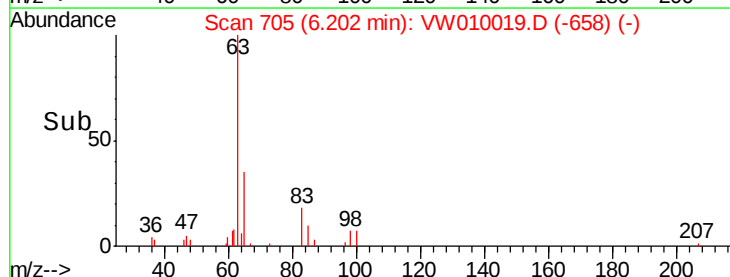
4000

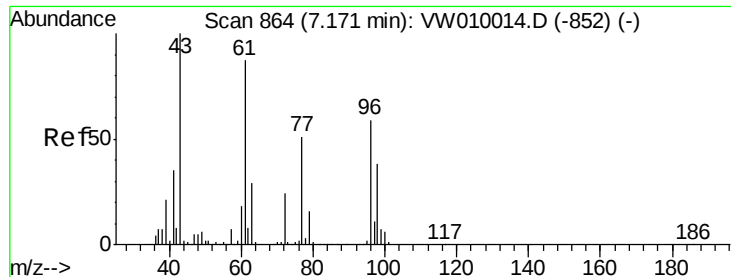
2000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 8.865 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

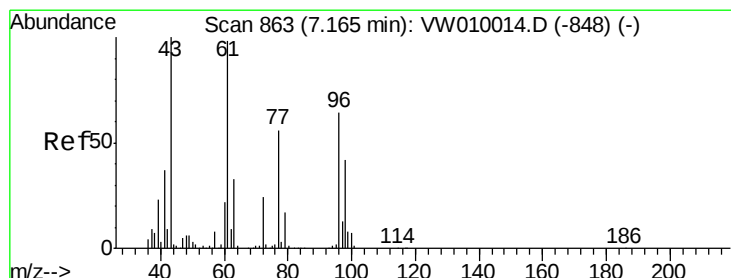
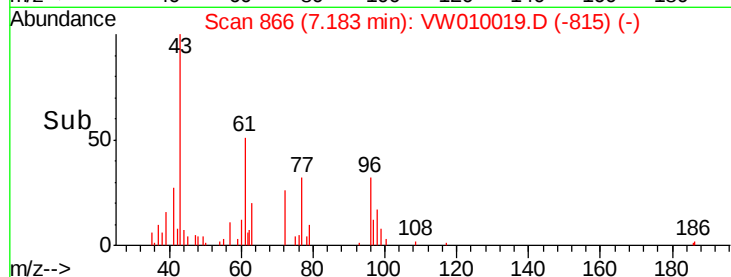
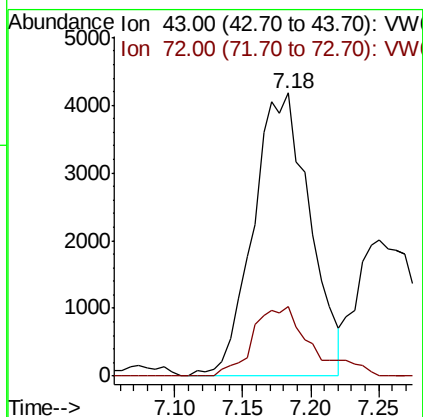
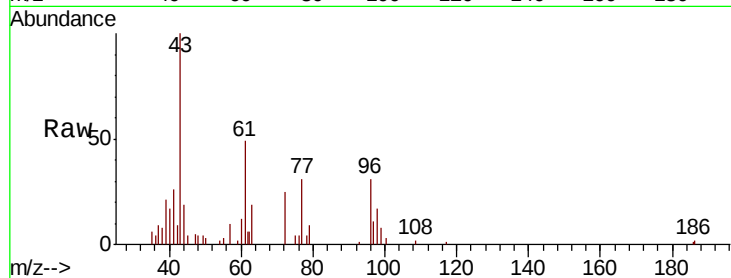
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 43 Resp: 12167

Ion Ratio Lower Upper

43 100

72 24.7 19.1 28.7



#26

2,2-Dichloropropane

Concen: 2.139 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010019.D

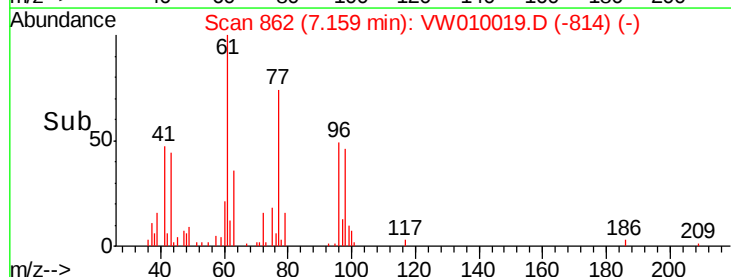
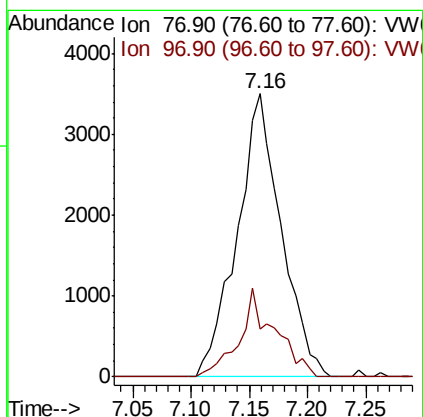
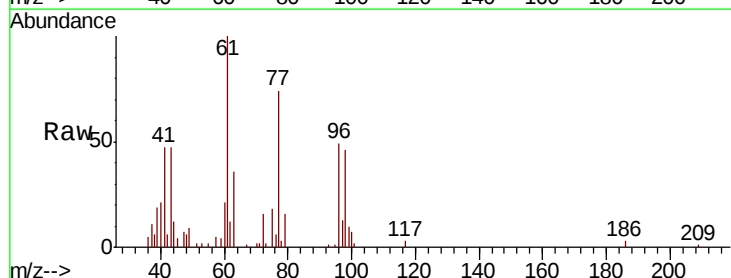
Acq: 17 Apr 2019 16:40

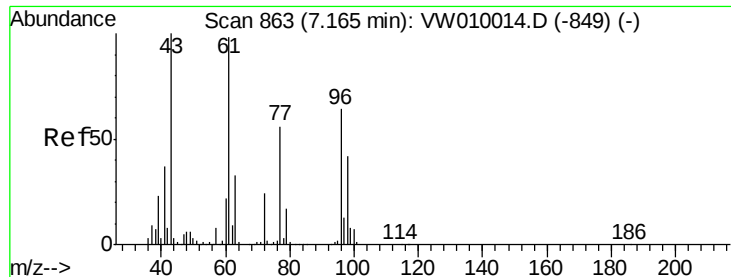
Tgt Ion: 77 Resp: 9203

Ion Ratio Lower Upper

77 100

97 25.2 11.3 33.9



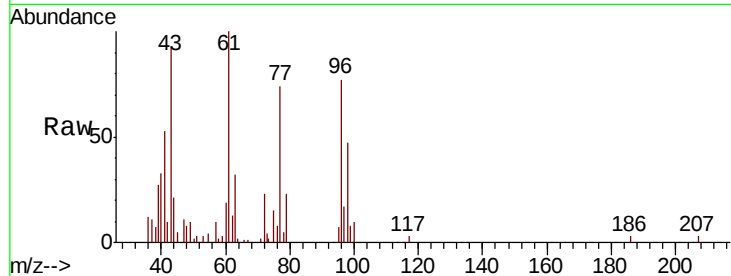


#27

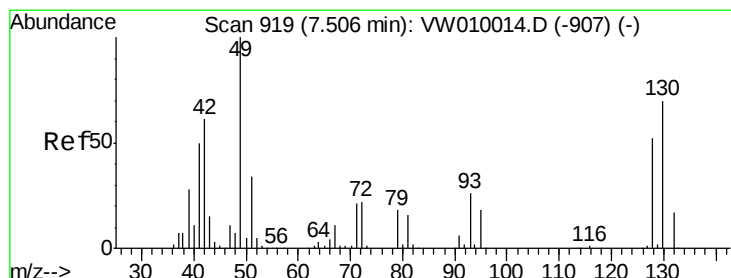
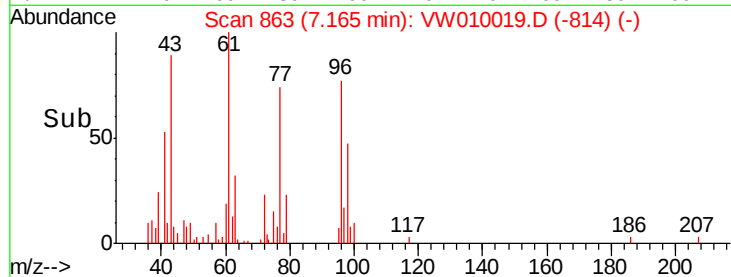
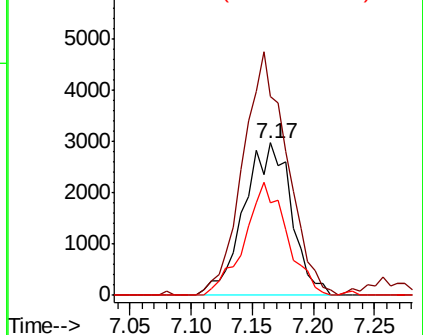
cis-1,2-Dichloroethene
Concen: 1.868 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 96 Resp: 8026
Ion Ratio Lower Upper
96 100
61 149.5 0.0 309.4
98 66.4 0.0 128.6



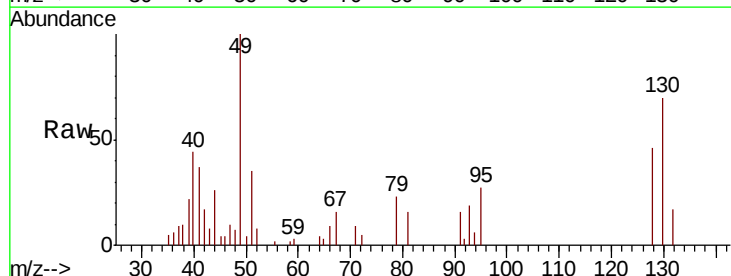
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



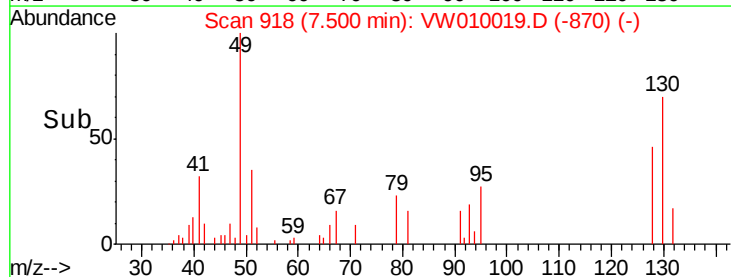
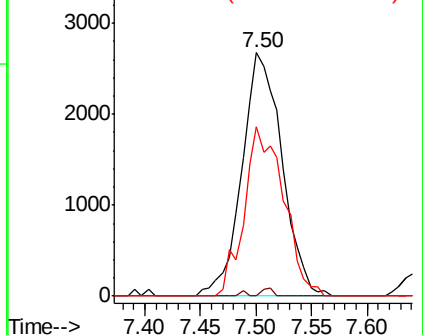
#28

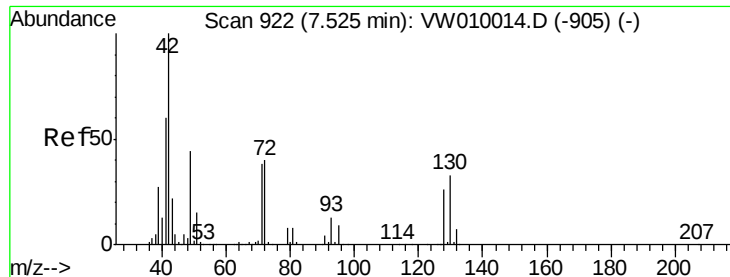
Bromochloromethane
Concen: 2.112 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 49 Resp: 6712
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.8
130 68.3 54.6 82.0



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

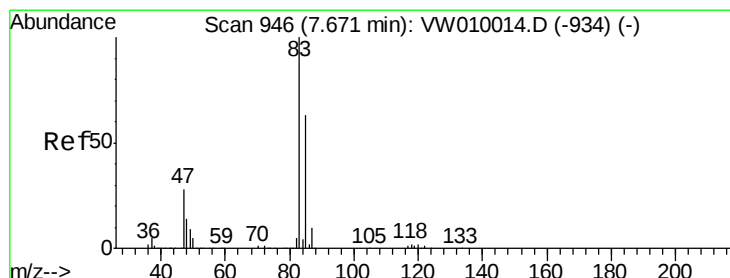
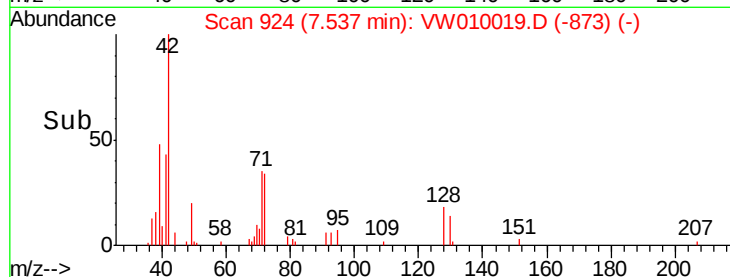
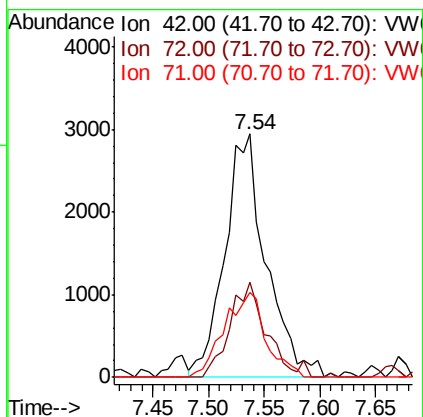
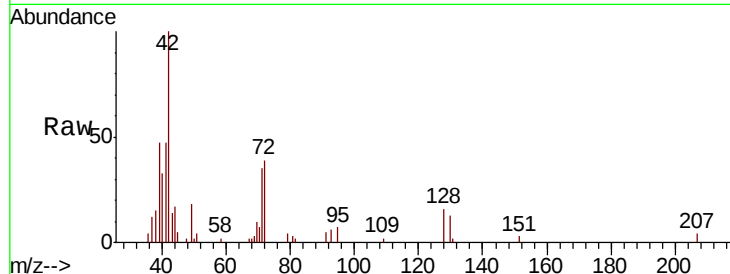




#29
Tetrahydrofuran
Concen: 8.770 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

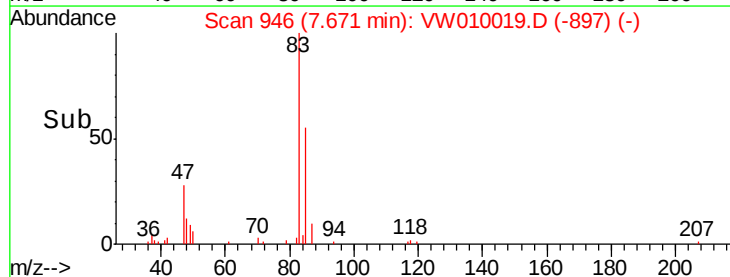
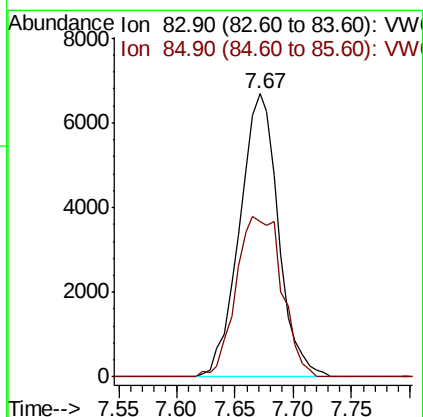
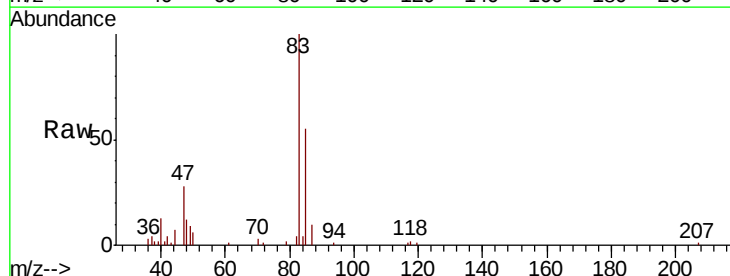
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

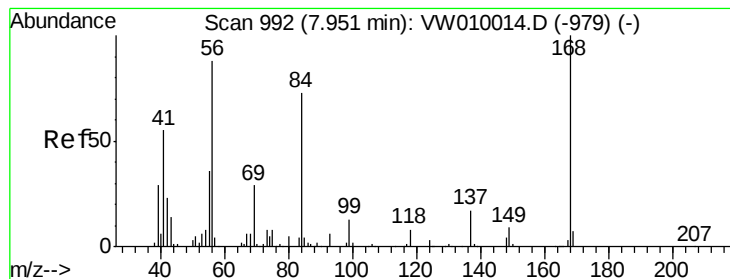
Tgt Ion: 42 Resp: 7627
Ion Ratio Lower Upper
42 100
72 34.7 31.0 46.6
71 34.8 29.7 44.5



#30
Chloroform
Concen: 1.993 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 83 Resp: 15534
Ion Ratio Lower Upper
83 100
85 55.1 50.7 76.1





#31

Cyclohexane

Concen: 2.848 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

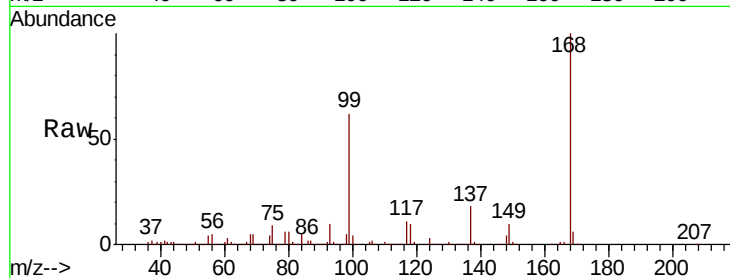
Tgt Ion: 56 Resp: 20742

Ion Ratio Lower Upper

56 100

69 92.0 26.6 40.0#

84 96.0 66.2 99.2

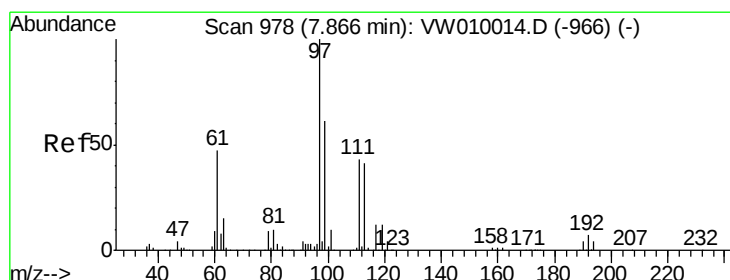
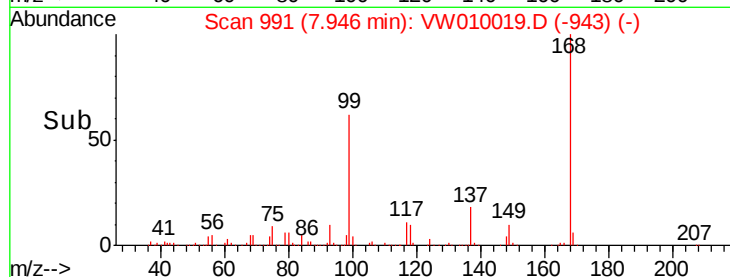
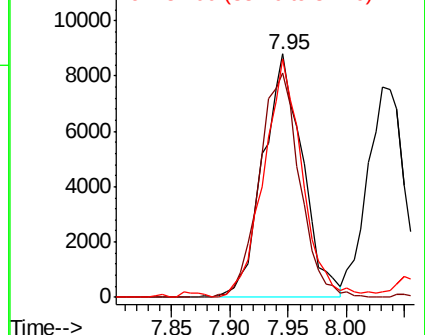


Abundance

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: 2.073 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

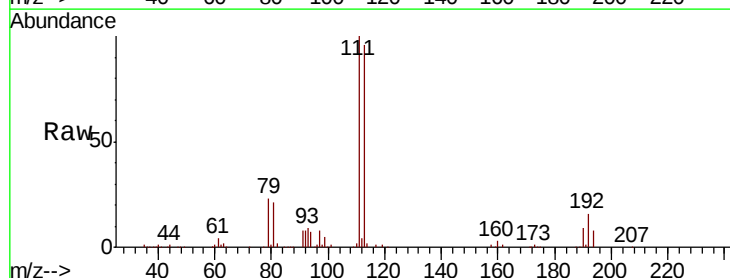
Tgt Ion: 97 Resp: 12682

Ion Ratio Lower Upper

97 100

99 57.5 50.2 75.2

61 46.2 38.2 57.2

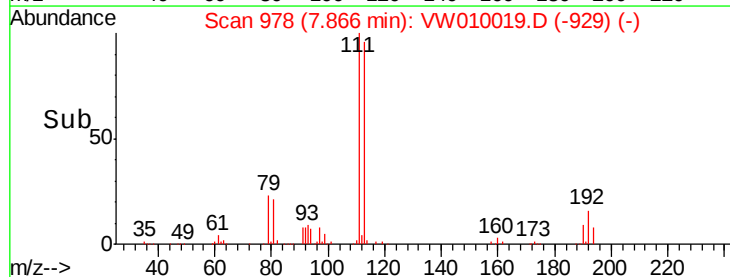
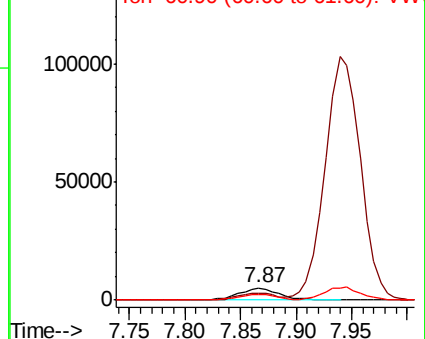


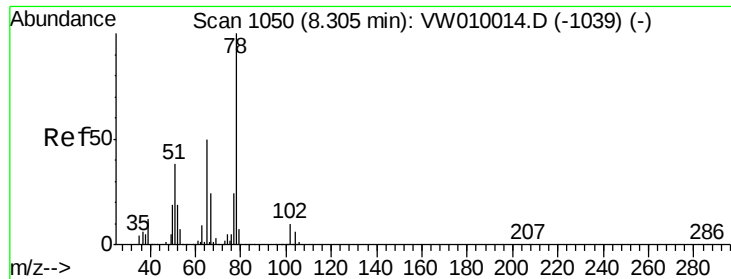
Abundance

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: 51.403 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

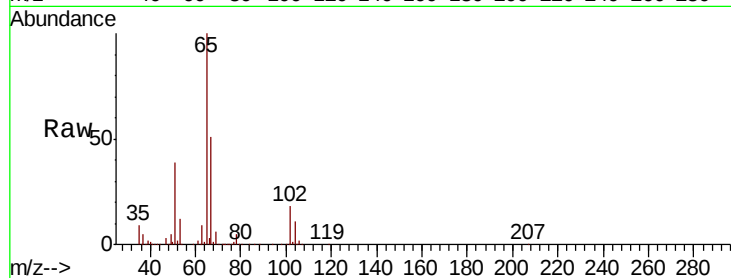
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 65 Resp: 231473

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

120000

100000

80000

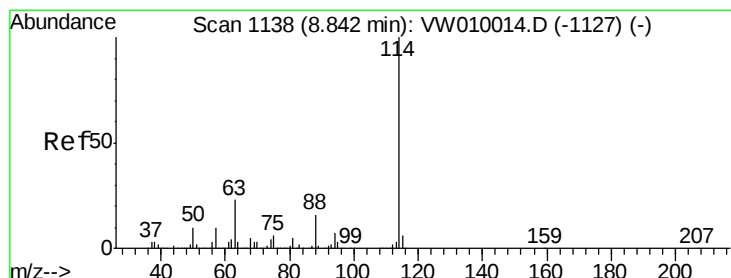
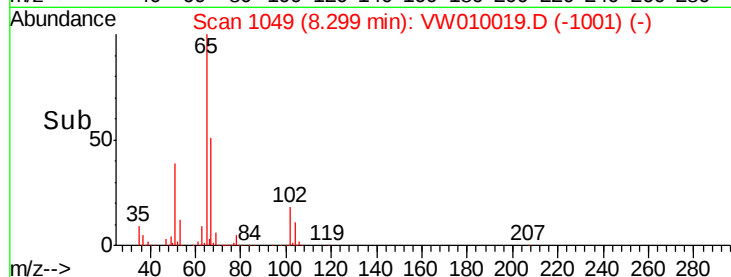
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

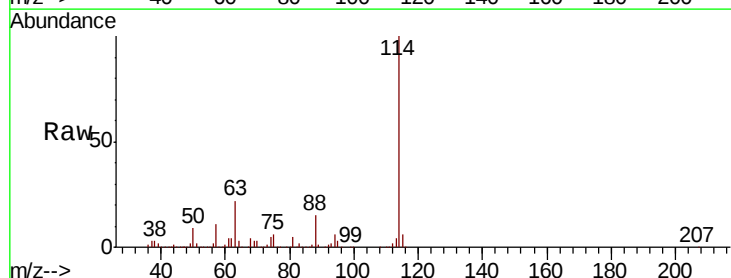
Tgt Ion: 114 Resp: 613572

Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.2

88 15.5 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

400000

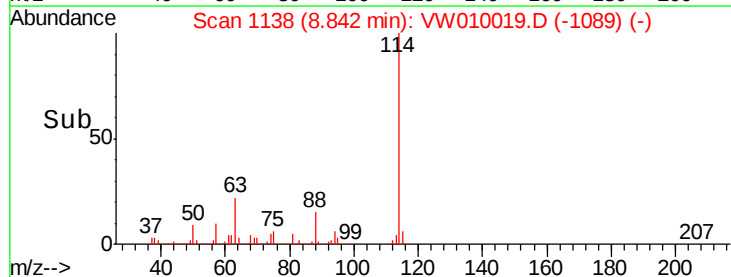
300000

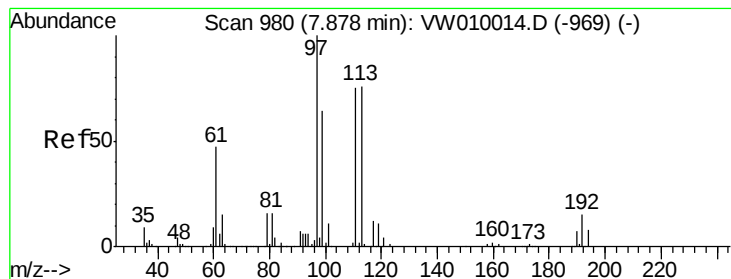
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.402 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

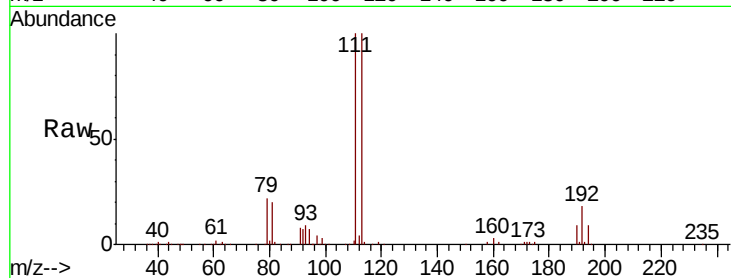
Tgt Ion: 113 Resp: 188812

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

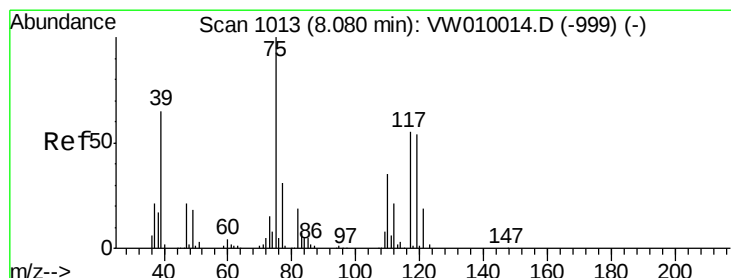
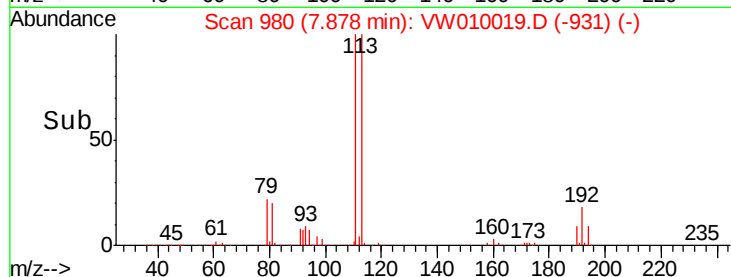
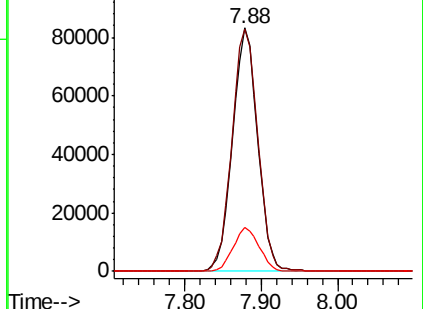
192 18.5 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.873 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

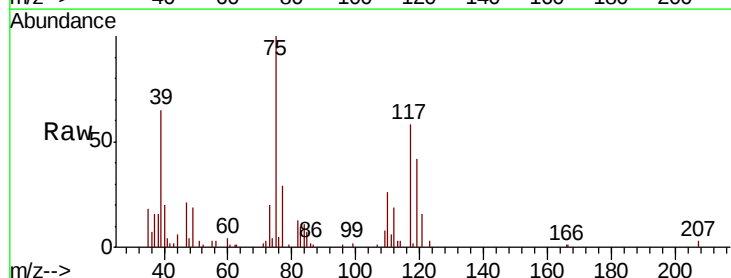
Tgt Ion: 75 Resp: 11736

Ion Ratio Lower Upper

75 100

110 35.0 16.6 49.8

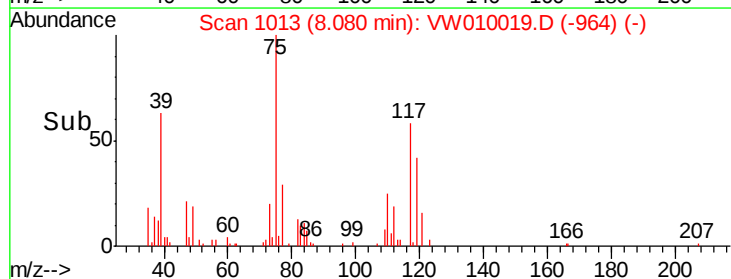
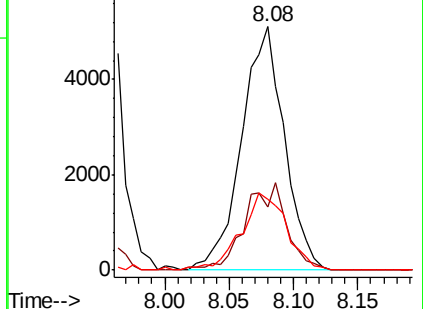
77 33.5 24.8 37.2

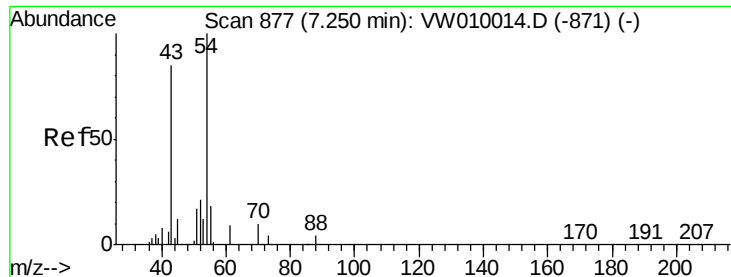


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

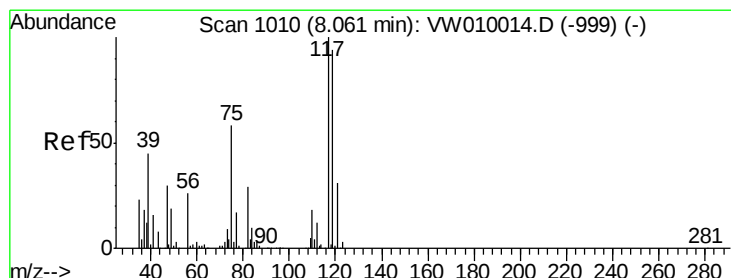
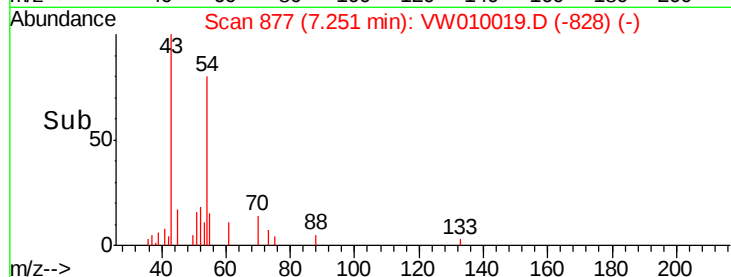
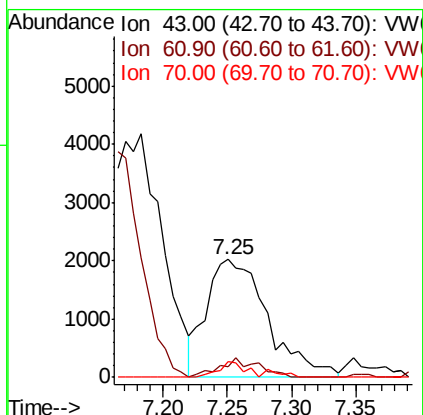
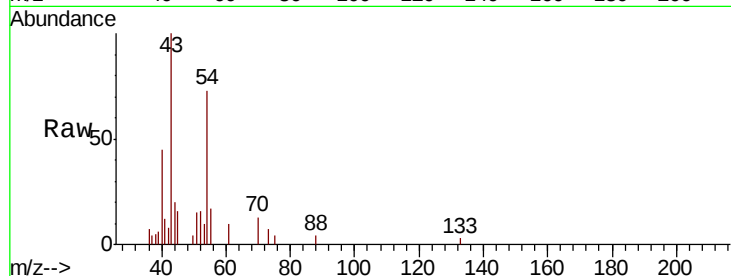




#37
Ethyl Acetate
Concen: 2.101 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

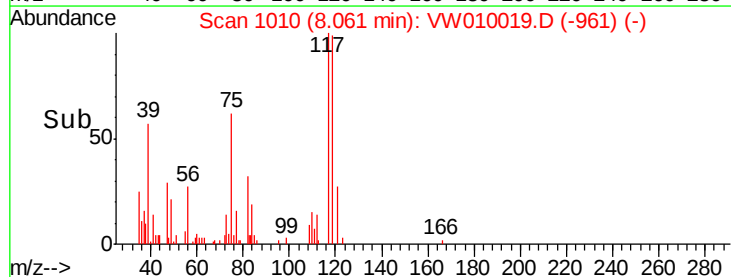
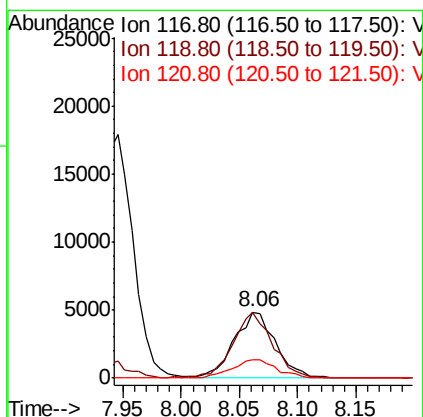
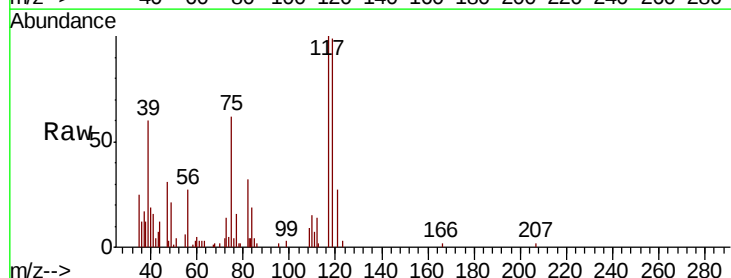
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

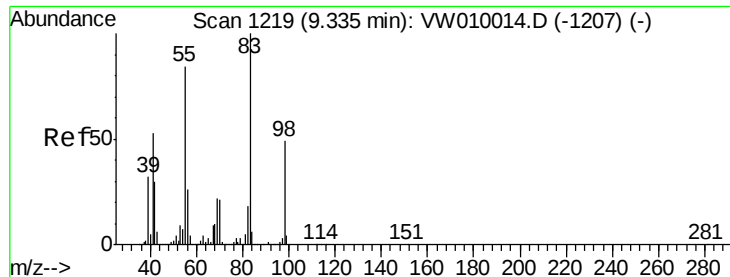
Tgt Ion: 43 Resp: 6692
Ion Ratio Lower Upper
43 100
61 10.7 9.8 14.8
70 5.7 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 1.966 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 117 Resp: 12023
Ion Ratio Lower Upper
117 100
119 99.0 75.3 112.9
121 26.8 24.4 36.6

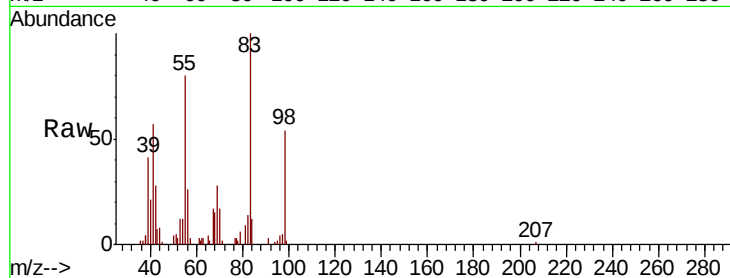




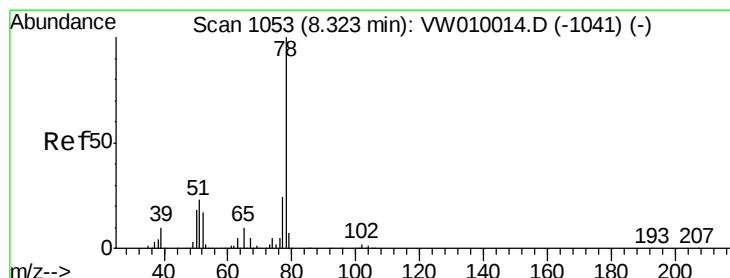
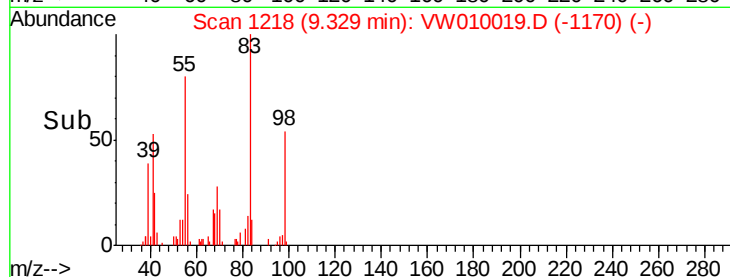
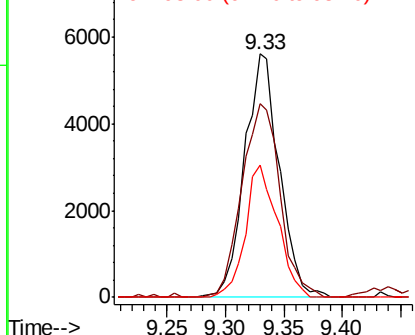
#39
Methylcyclohexane
Concen: 2.695 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 83 Resp: 11701
Ion Ratio Lower Upper
83 100
55 79.5 67.1 100.7
98 54.1 39.2 58.8

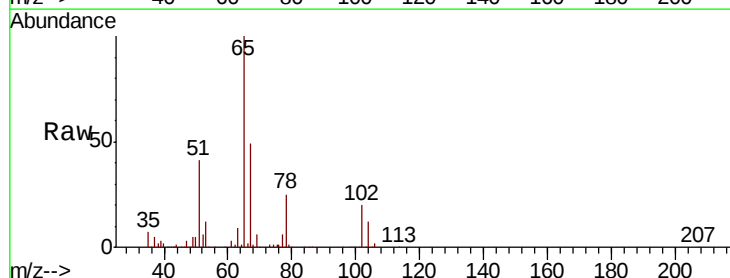


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

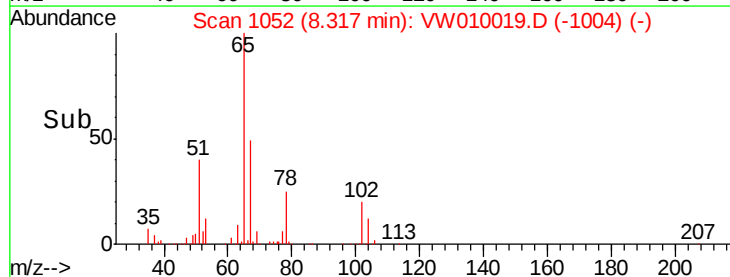
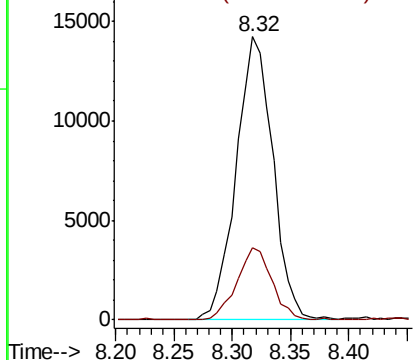


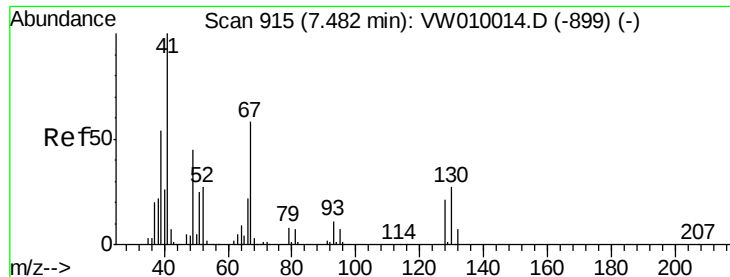
#40
Benzene
Concen: 1.829 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 78 Resp: 31336
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 1.616 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 41 Resp: 2934

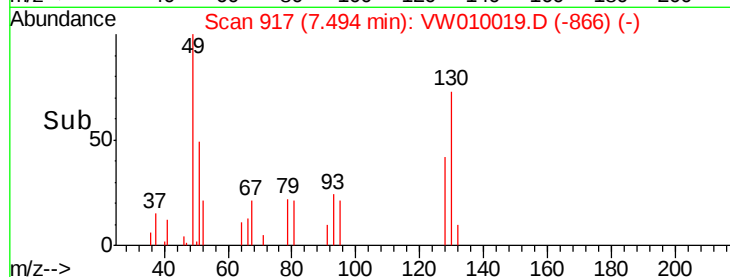
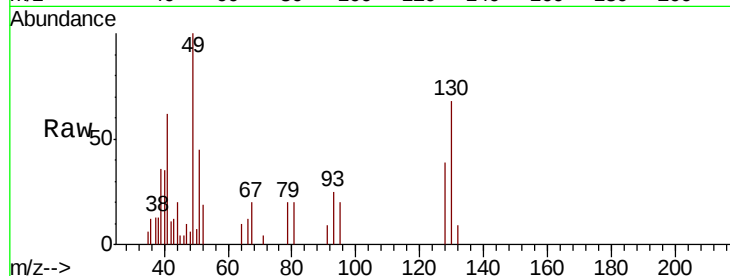
Ion Ratio Lower Upper

41 100

39 80.0 45.0 67.4#

67 79.2 50.7 76.1#

52 21.2 22.6 33.8#

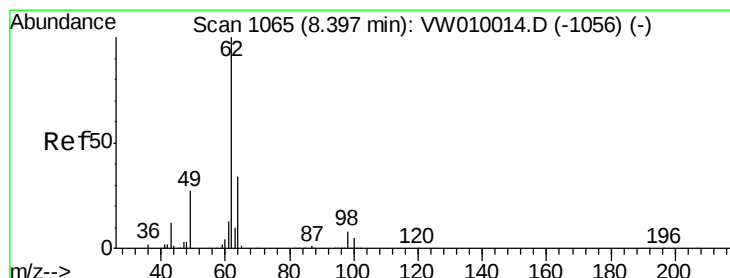
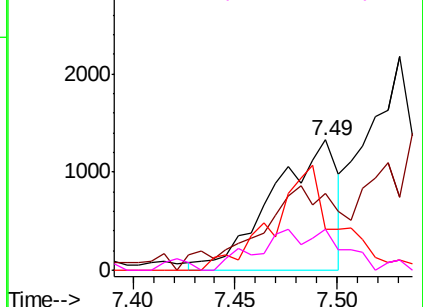


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 1.985 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010019.D

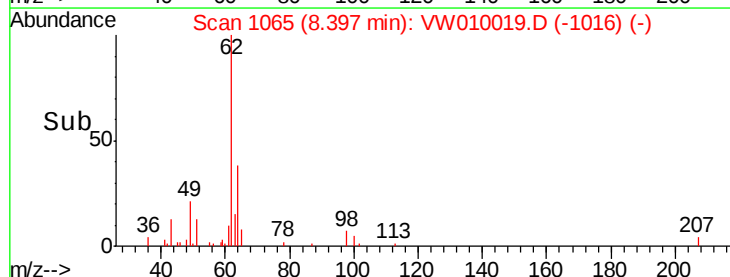
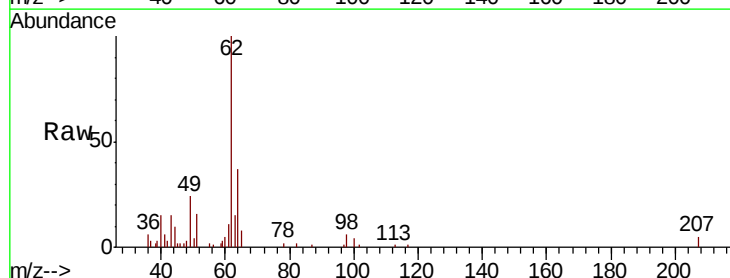
Acq: 17 Apr 2019 16:40

Tgt Ion: 62 Resp: 11691

Ion Ratio Lower Upper

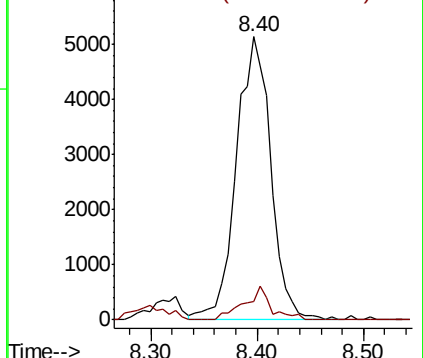
62 100

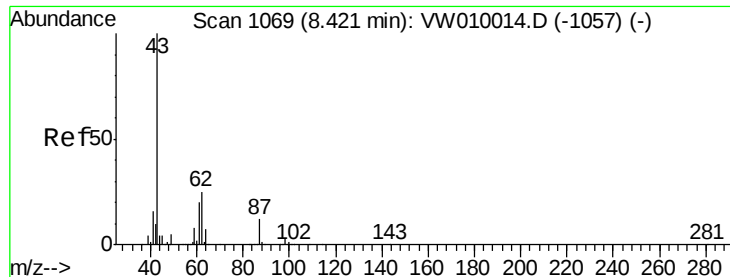
98 9.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 1.812 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

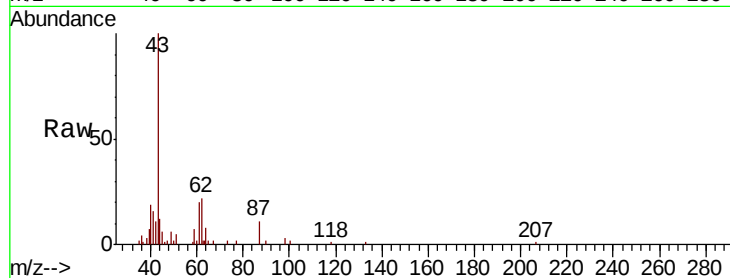
Tgt Ion: 43 Resp: 10816

Ion Ratio Lower Upper

43 100

61 29.9 23.0 34.6

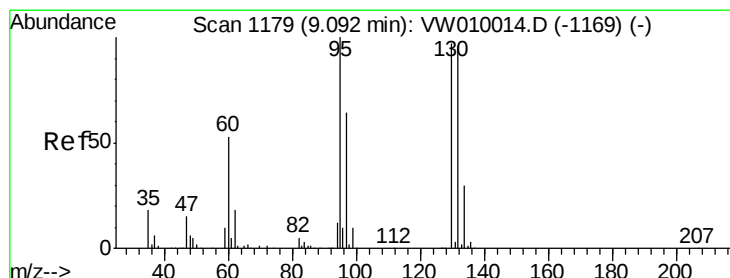
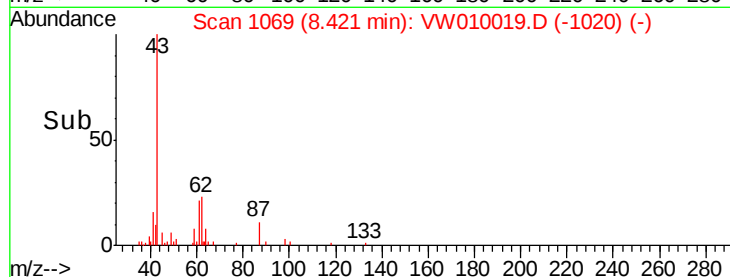
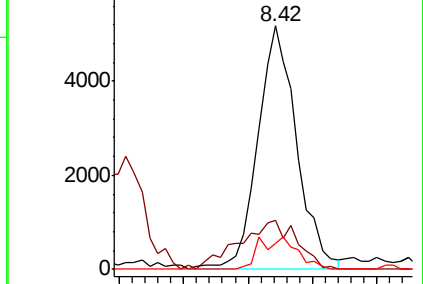
87 12.8 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 1.937 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010019.D

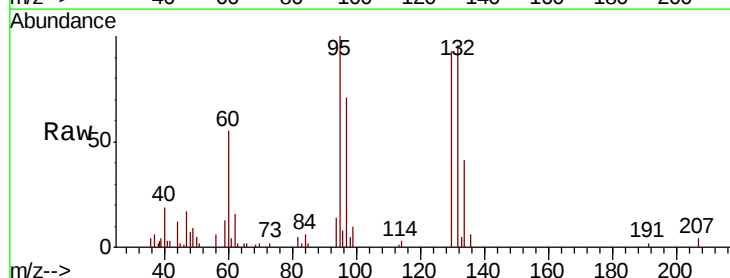
Acq: 17 Apr 2019 16:40

Tgt Ion: 130 Resp: 8433

Ion Ratio Lower Upper

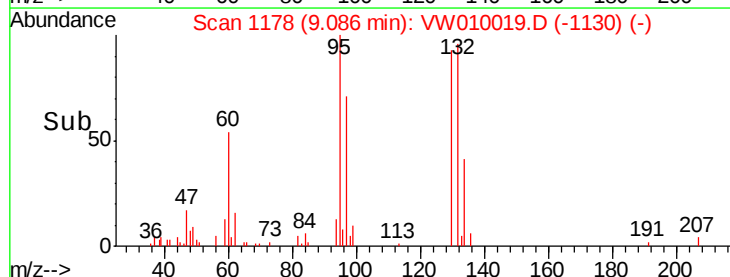
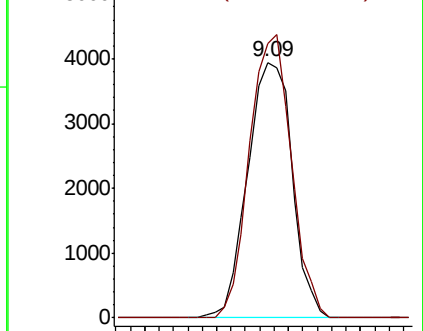
130 100

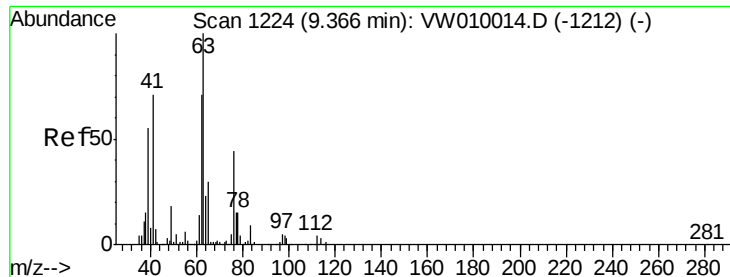
95 107.4 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

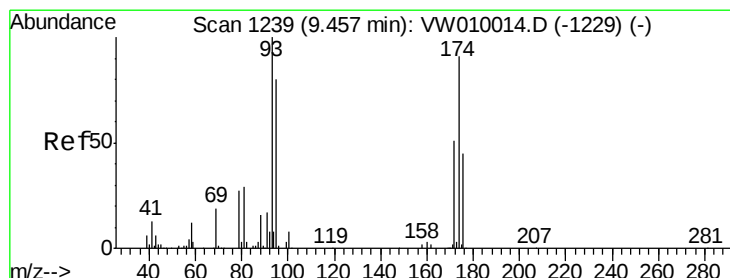
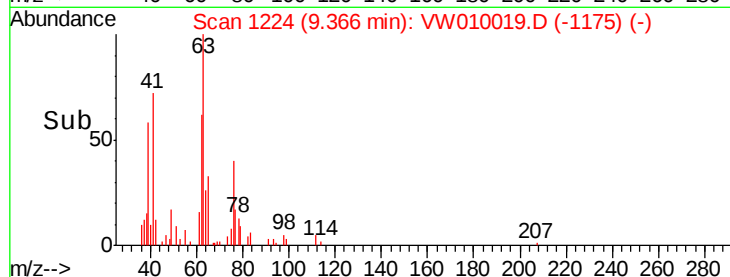
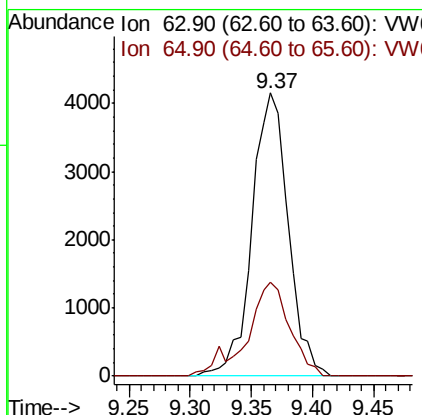
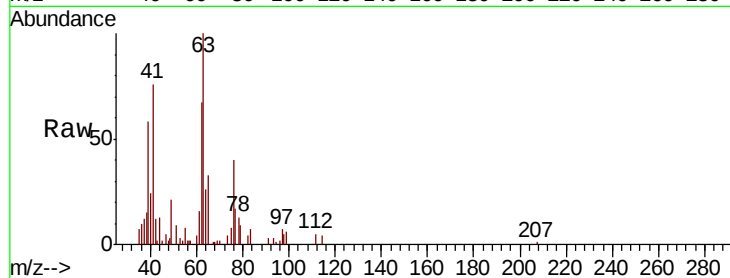




#45
 1,2-Dichloropropane
 Concen: 1.903 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

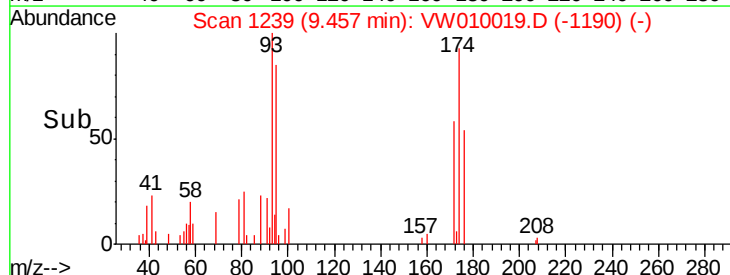
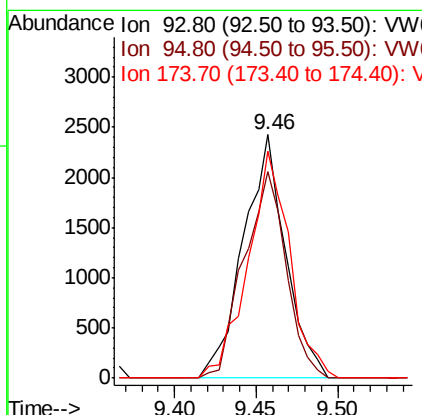
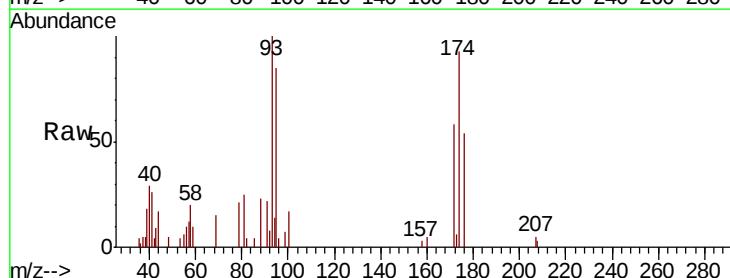
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

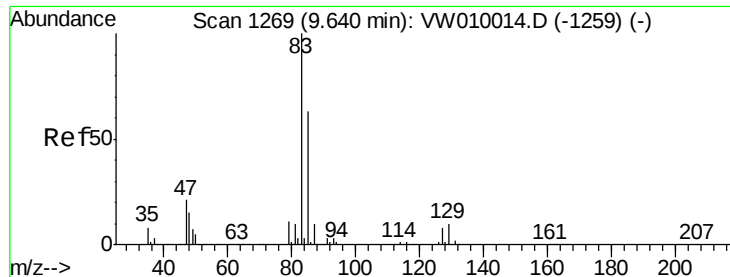
Tgt Ion: 63 Resp: 8574
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.8 35.6



#46
 Dibromomethane
 Concen: 1.871 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 93 Resp: 4368
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.8 98.8
 174 91.5 75.5 113.3

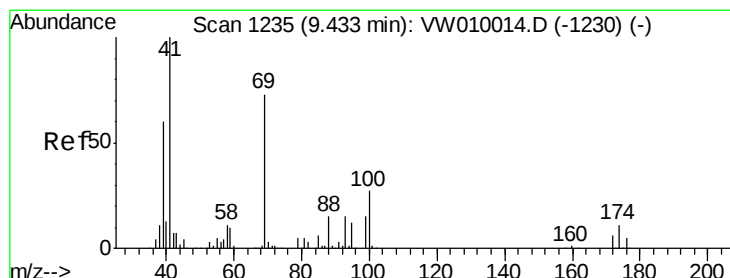
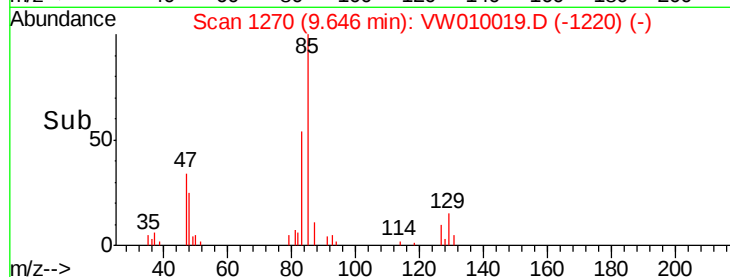
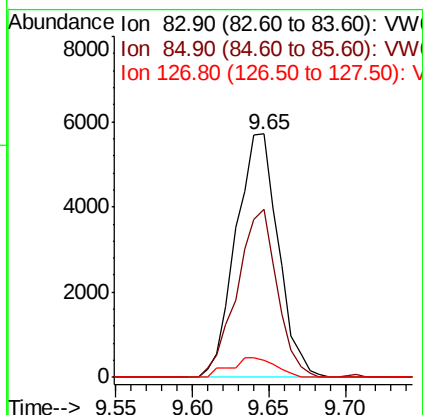
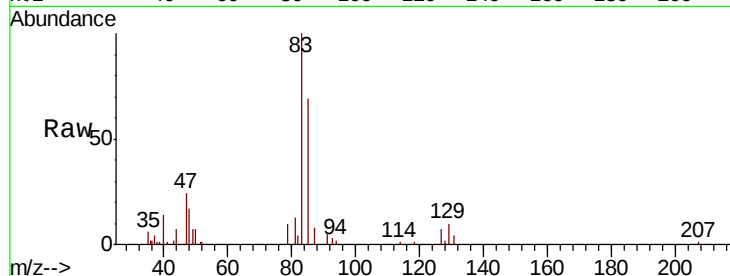




#47
 Bromodichloromethane
 Concen: 1.824 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

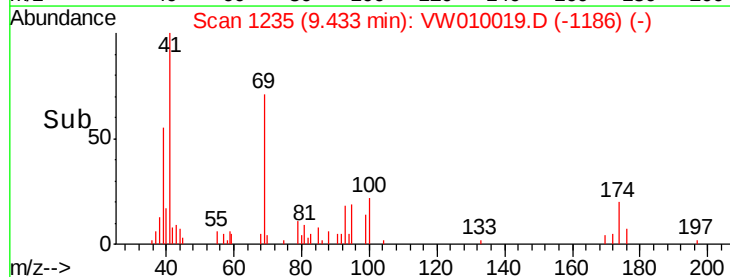
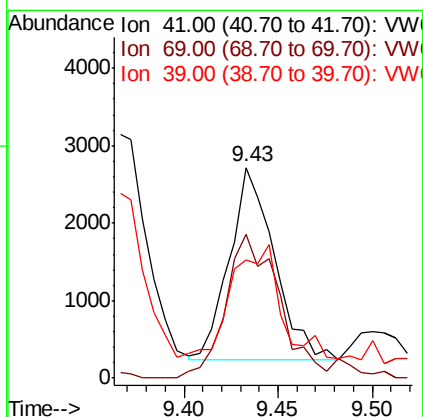
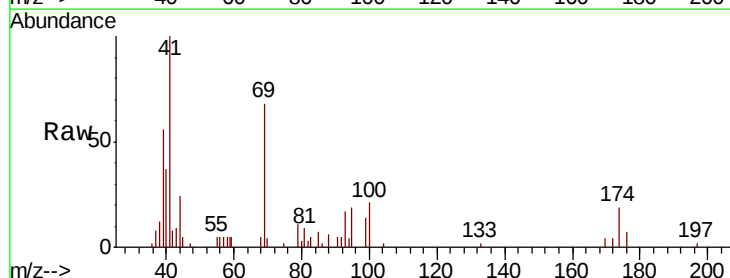
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

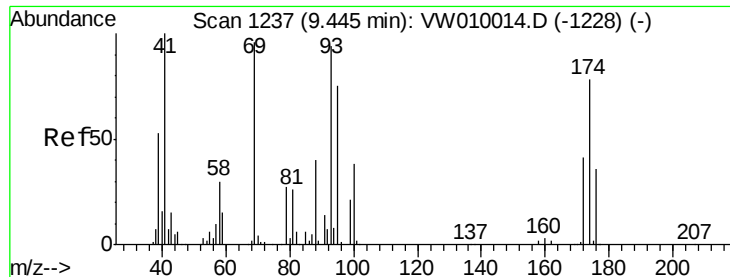
Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	50.6	75.8
127	6.8	6.6	10.0



#48
 Methyl methacrylate
 Concen: 1.412 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	60.1	90.1
39	67.8	51.0	76.6





#49

1,4-Dioxane

Concen: 36.862 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

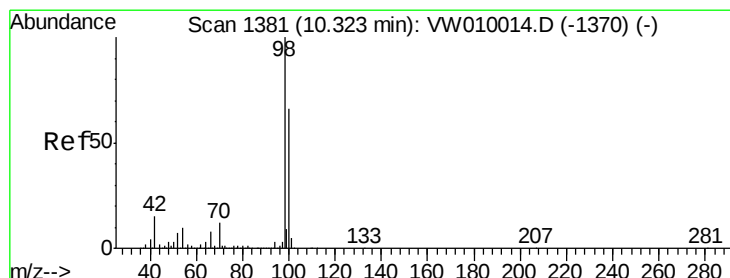
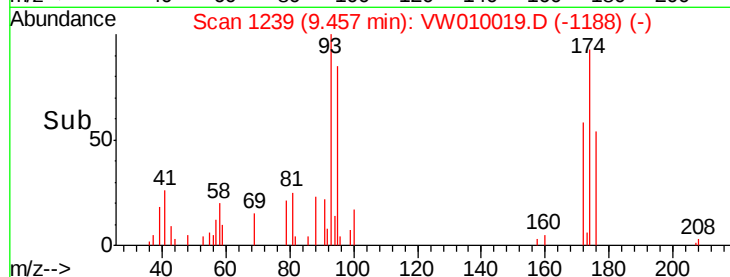
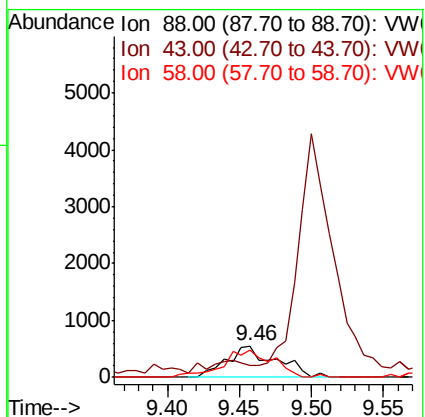
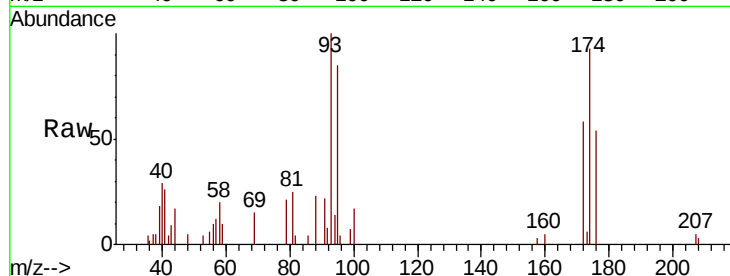
Tgt Ion: 88 Resp: 1315

Ion Ratio Lower Upper

88 100

43 34.5 31.9 47.9

58 87.7 61.8 92.6



#50

Toluene-d8

Concen: 49.468 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010019.D

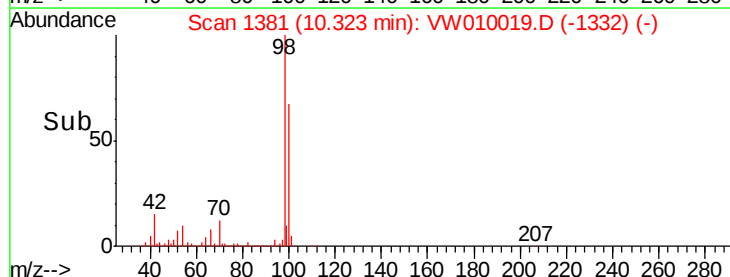
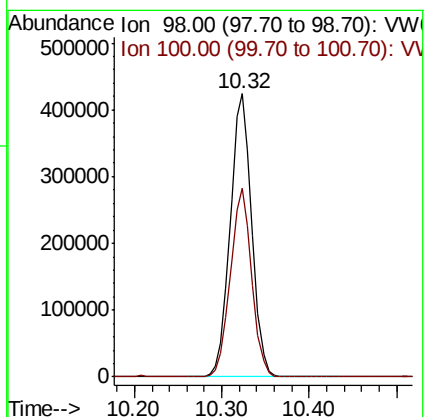
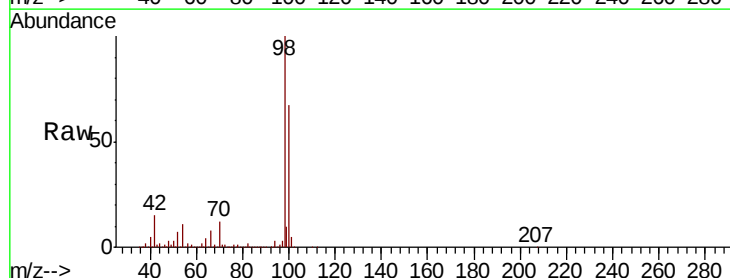
Acq: 17 Apr 2019 16:40

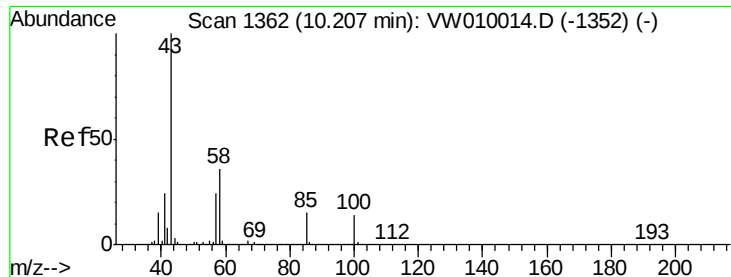
Tgt Ion: 98 Resp: 723092

Ion Ratio Lower Upper

98 100

100 66.1 52.3 78.5

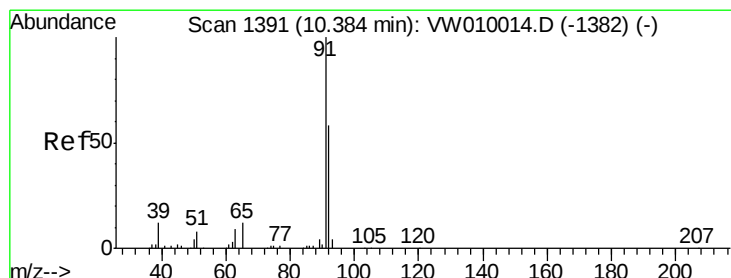
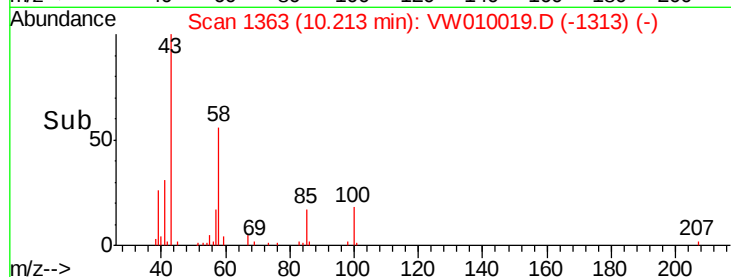
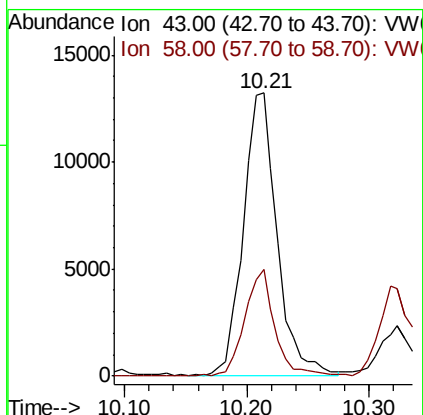
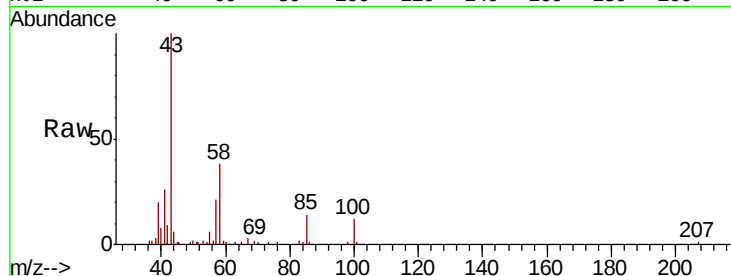




#51
 4-Methyl-2-Pentanone
 Concen: 8.162 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

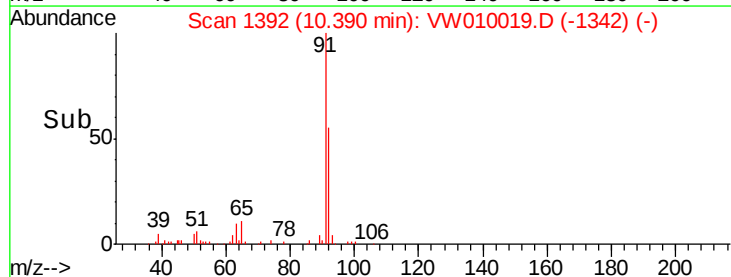
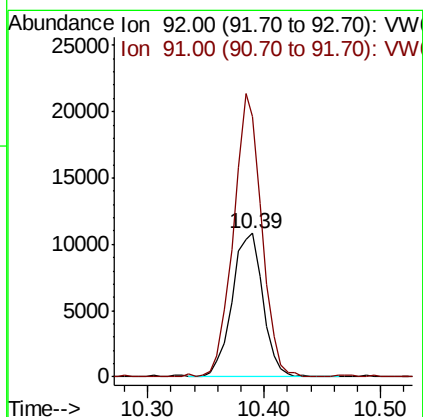
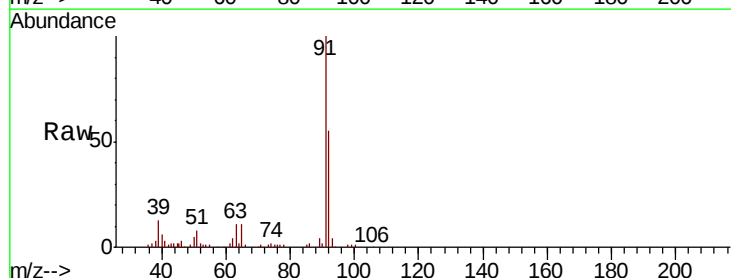
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

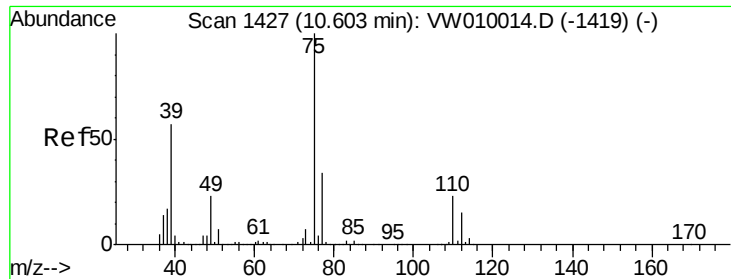
Tgt Ion: 43 Resp: 25512
 Ion Ratio Lower Upper
 43 100
 58 33.4 28.9 43.3



#52
 Toluene
 Concen: 1.873 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 92 Resp: 19993
 Ion Ratio Lower Upper
 92 100
 91 180.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 1.703 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

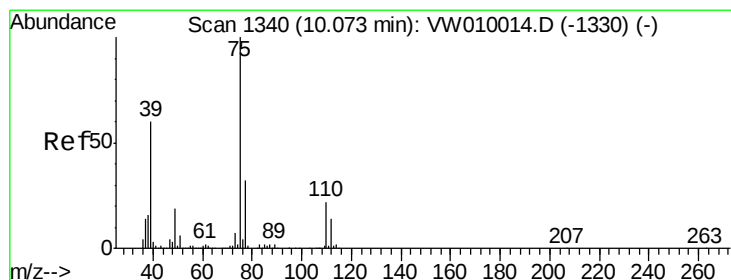
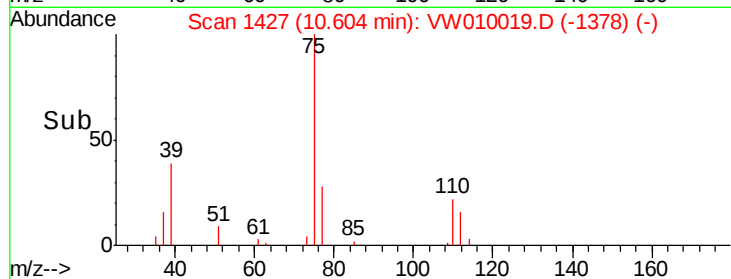
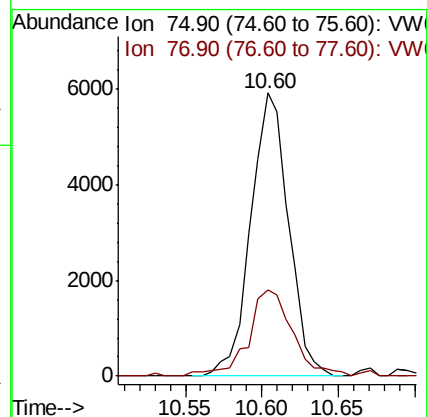
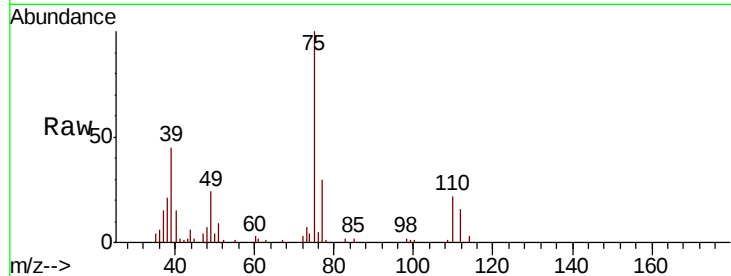
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 75 Resp: 10177

Ion Ratio Lower Upper

75 100

77 29.1 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 1.650 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

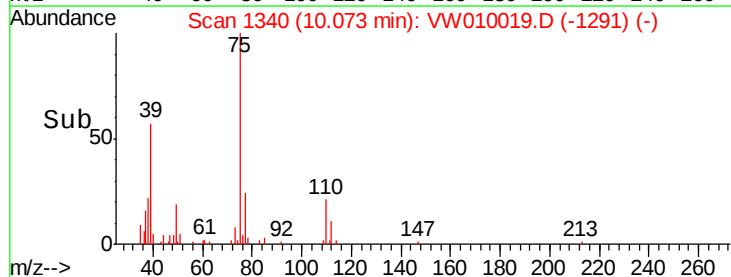
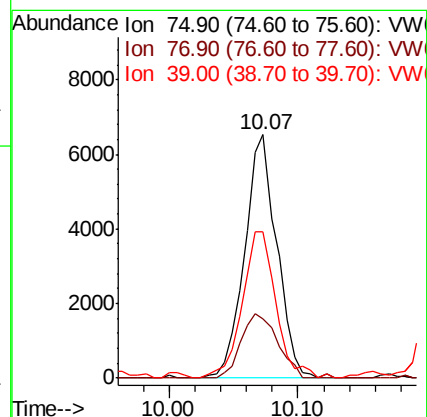
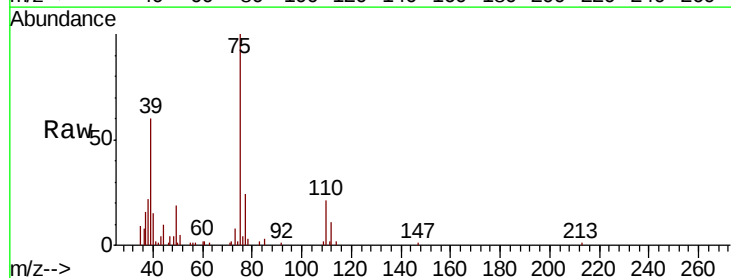
Tgt Ion: 75 Resp: 11258

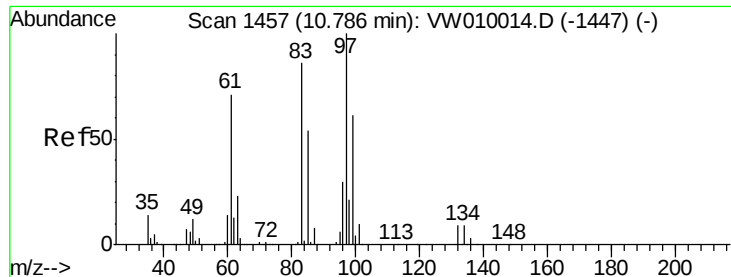
Ion Ratio Lower Upper

75 100

77 24.4 25.6 38.4#

39 59.9 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 1.869 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 97 Resp: 6091

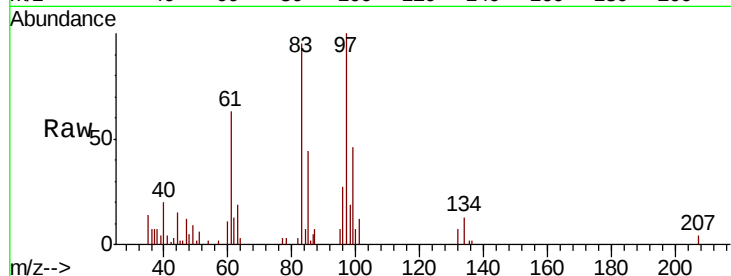
Ion Ratio Lower Upper

97 100

83 95.4 68.9 103.3

85 44.0 42.9 64.3

99 46.0 48.6 72.8#



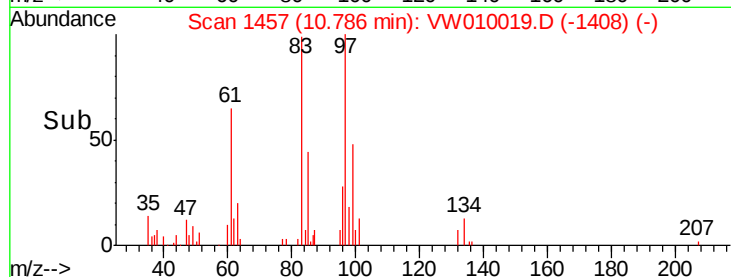
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time--> 10.70 10.75 10.80 10.85



Abundance

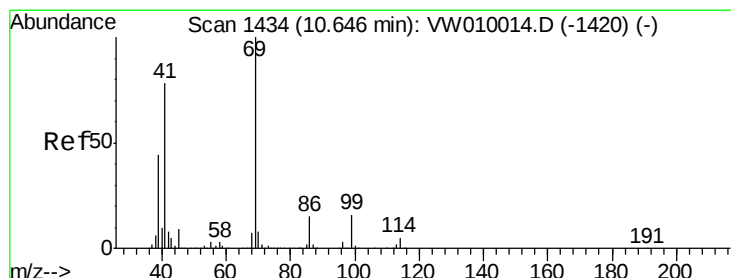
Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time--> 10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 3.965 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

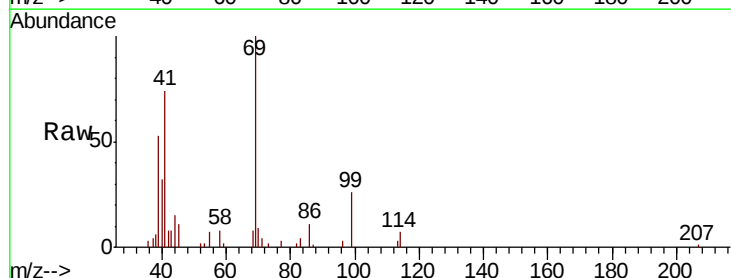
Tgt Ion: 69 Resp: 6322

Ion Ratio Lower Upper

69 100

41 87.6 61.0 91.6

39 42.8 33.8 50.6

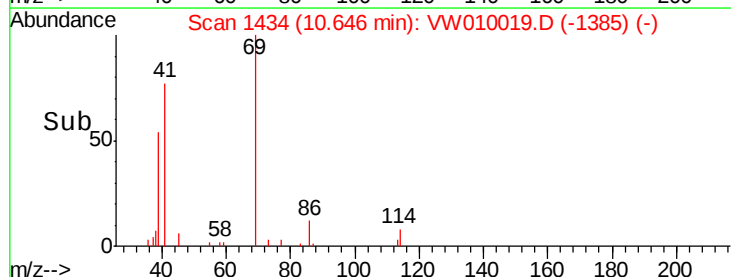


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time--> 10.55 10.60 10.65 10.70



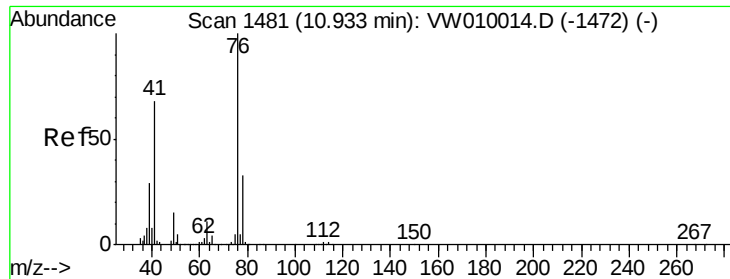
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

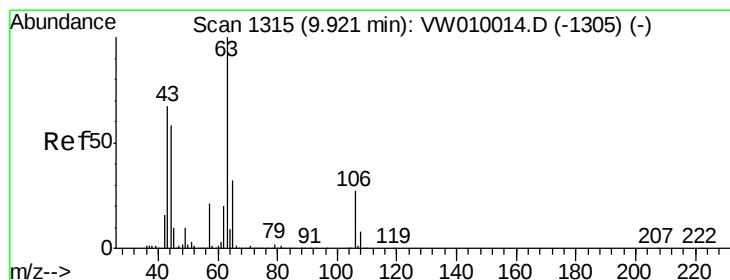
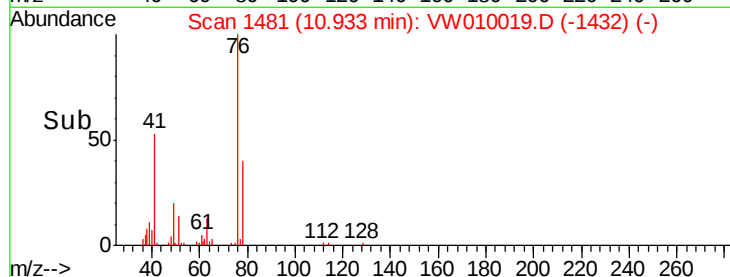
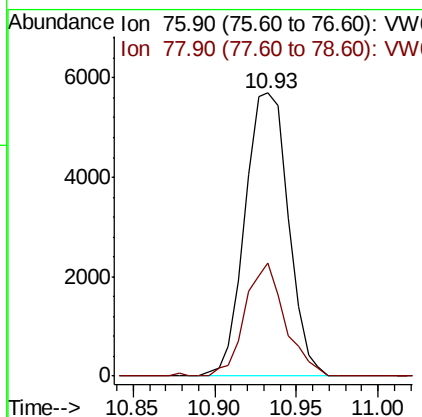
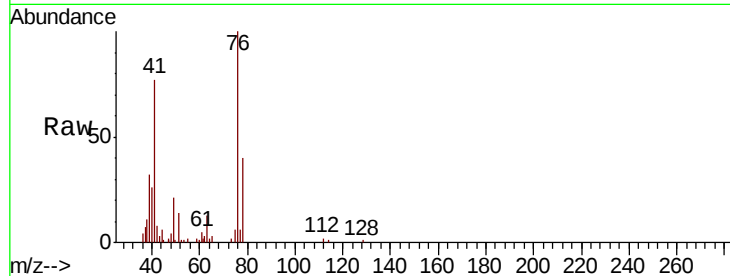
Time--> 10.55 10.60 10.65 10.70



#57
 1,3-Dichloropropane
 Concen: 1.801 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

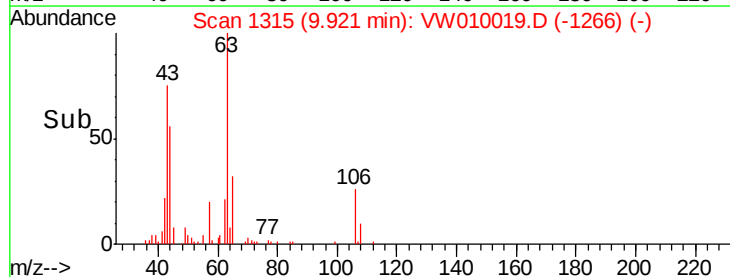
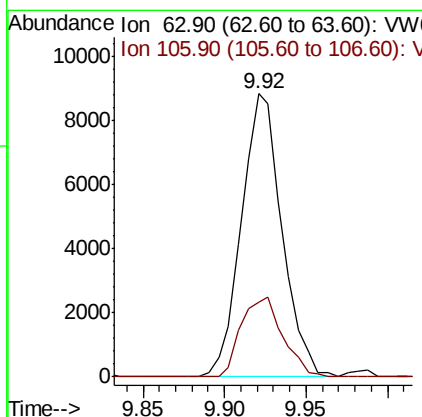
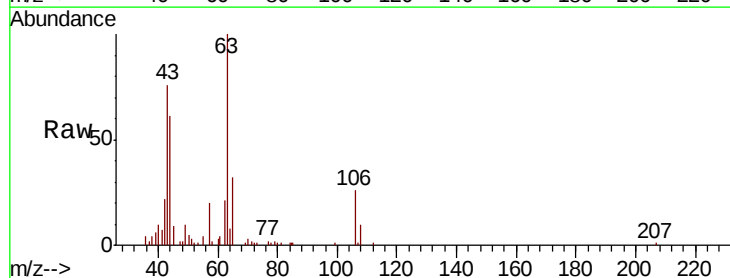
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

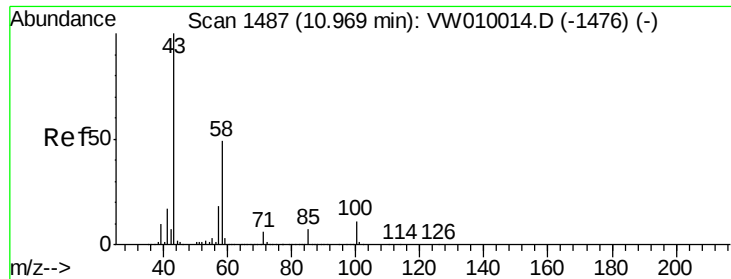
Tgt Ion: 76 Resp: 10520
 Ion Ratio Lower Upper
 76 100
 78 36.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 7.848 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 63 Resp: 15281
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.4 32.0





#59

2-Hexanone

Concen: 7.843 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

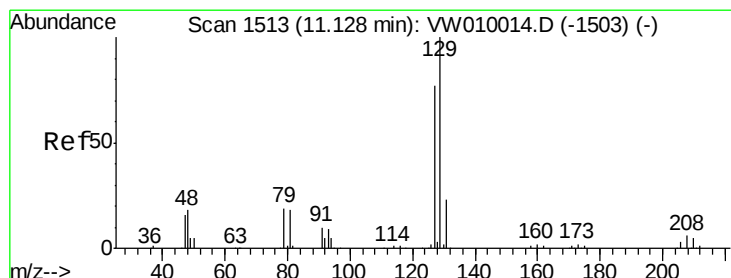
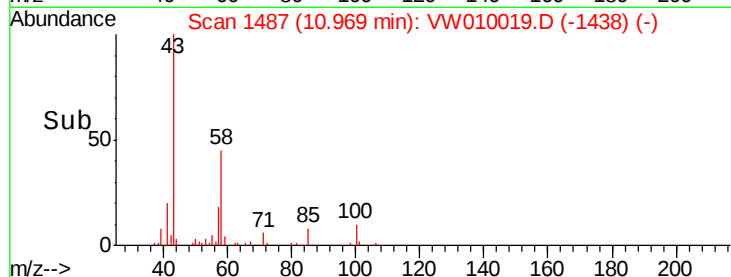
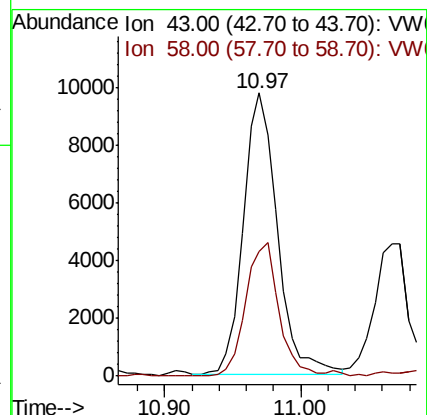
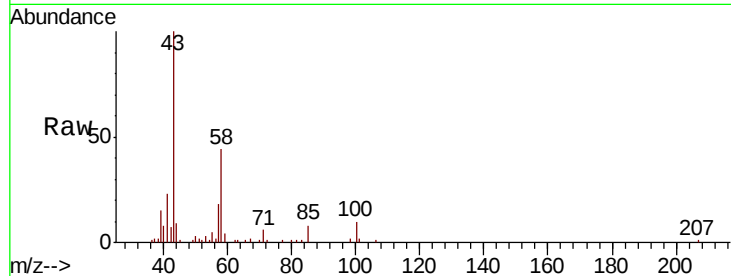
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 43 Resp: 17065

Ion Ratio Lower Upper

43 100

58 46.2 24.9 74.7



#60

Dibromochloromethane

Concen: 1.624 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010019.D

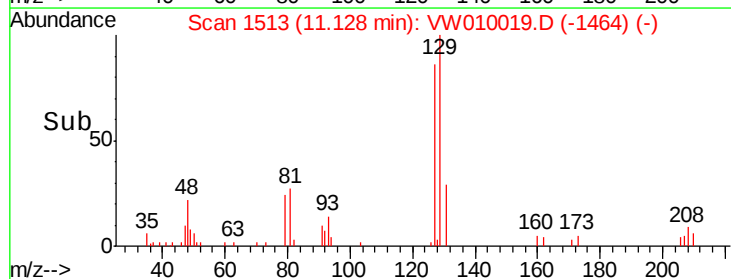
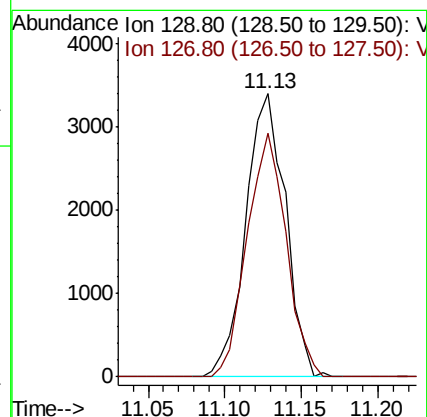
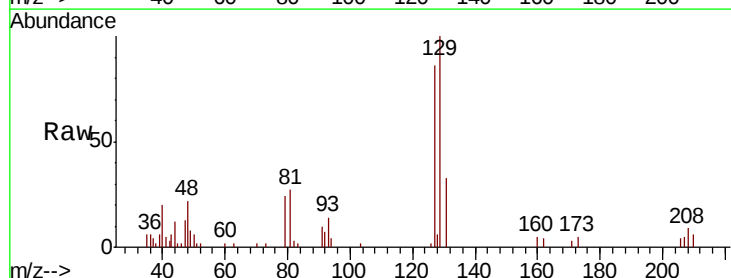
Acq: 17 Apr 2019 16:40

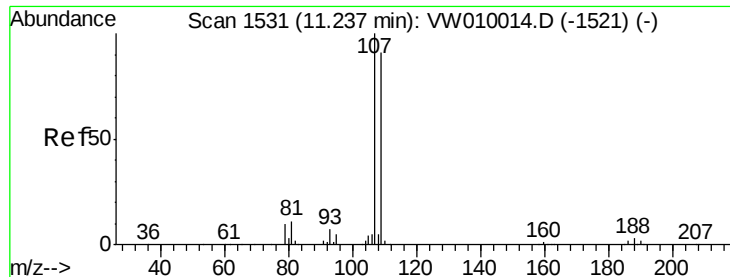
Tgt Ion: 129 Resp: 6116

Ion Ratio Lower Upper

129 100

127 84.8 38.6 116.0

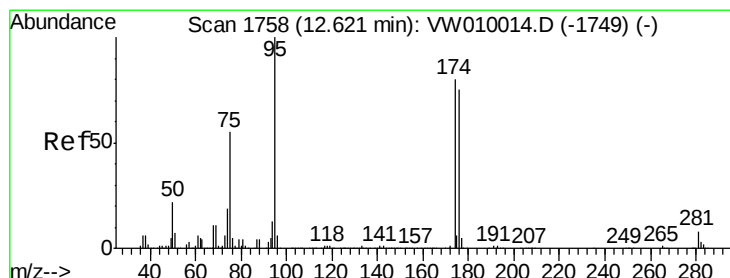
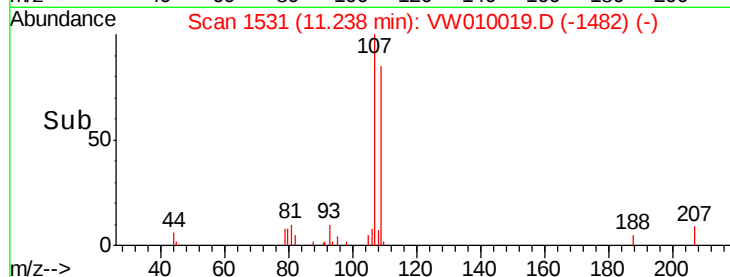
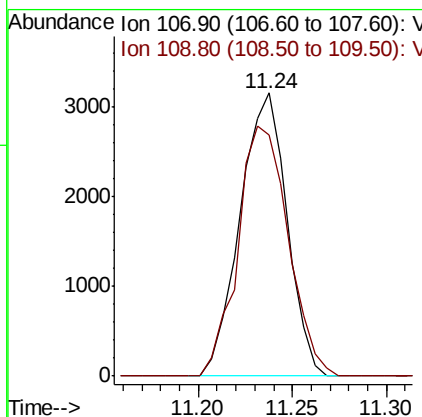
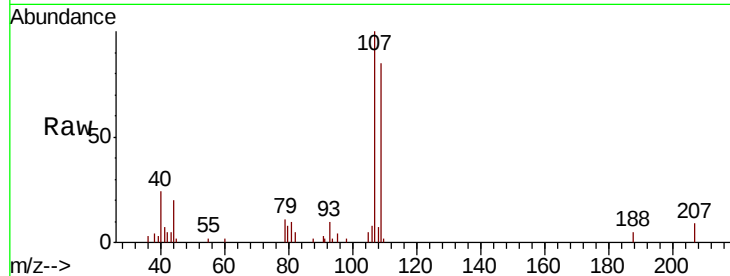




#61
 1,2-Dibromoethane
 Concen: 1.757 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

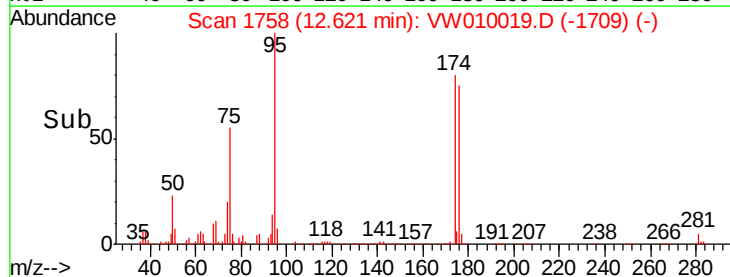
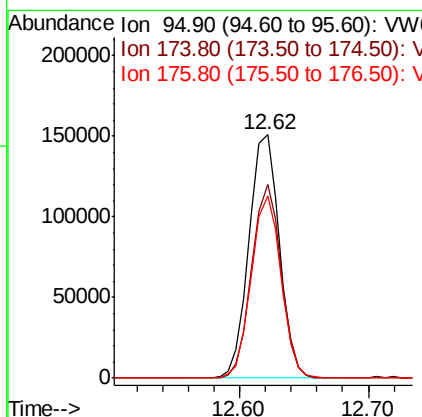
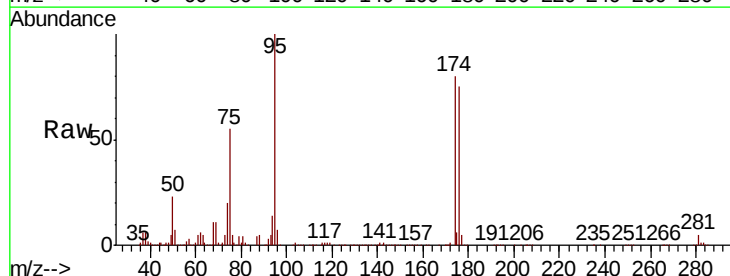
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

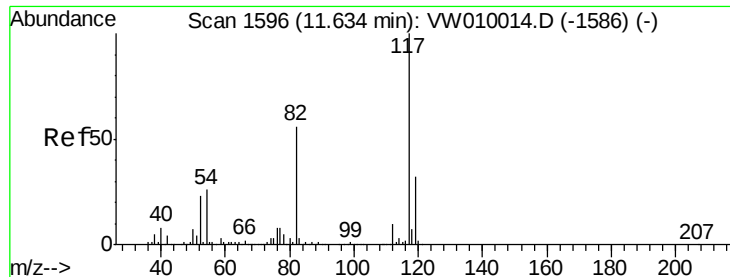
Tgt Ion: 107 Resp: 5447
 Ion Ratio Lower Upper
 107 100
 109 94.6 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 46.137 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 95 Resp: 245140
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 151.4
 176 73.2 0.0 146.2

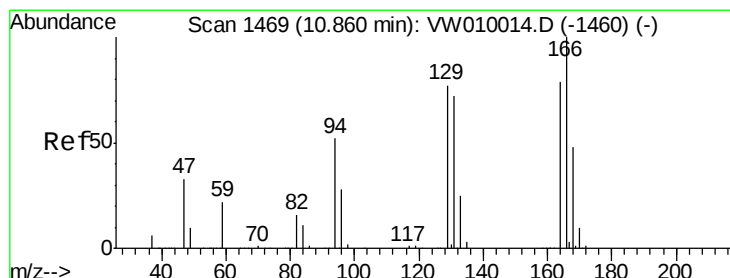
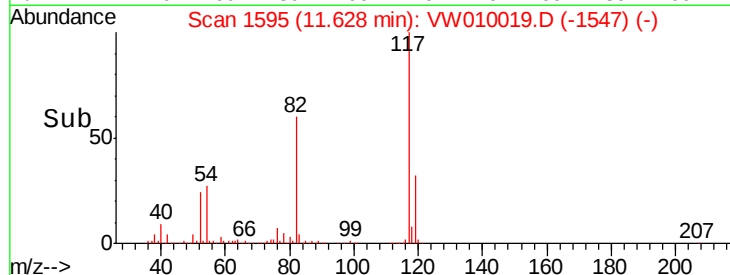
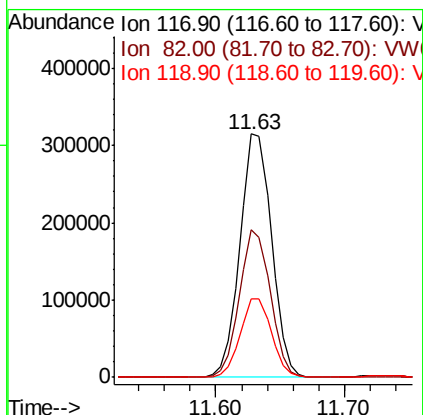
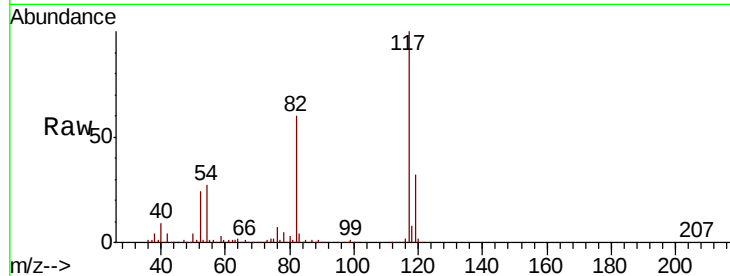




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

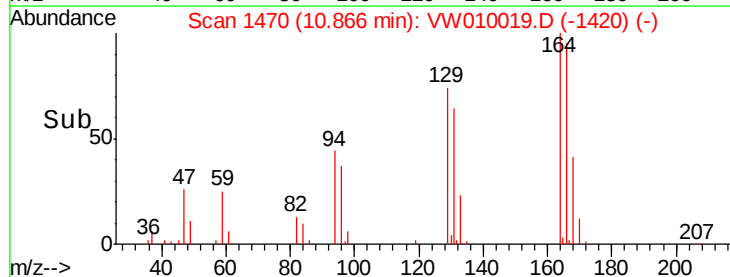
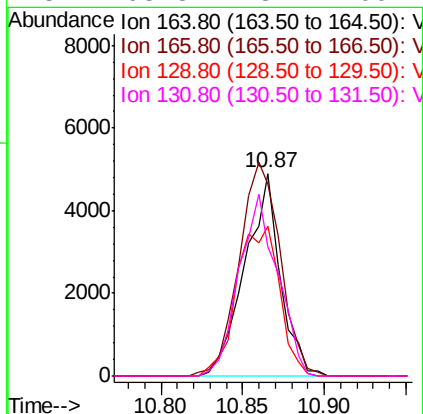
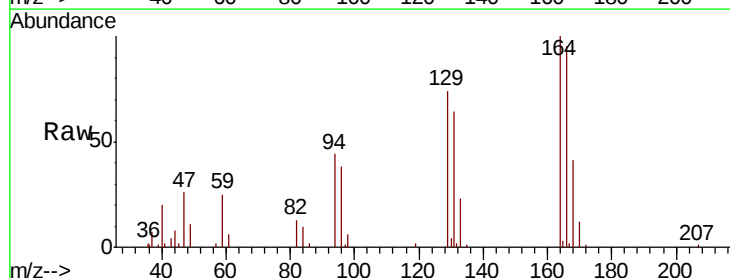
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

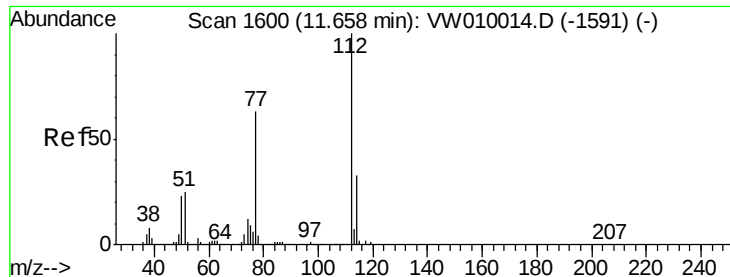
Tgt Ion:117 Resp: 535947
Ion Ratio Lower Upper
117 100
82 60.5 45.2 67.8
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 2.125 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion:164 Resp: 7394
Ion Ratio Lower Upper
164 100
166 95.1 101.2 151.8#
129 74.0 77.8 116.6#
131 63.8 73.1 109.7#

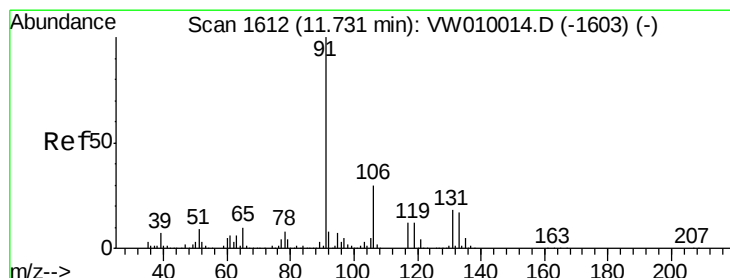
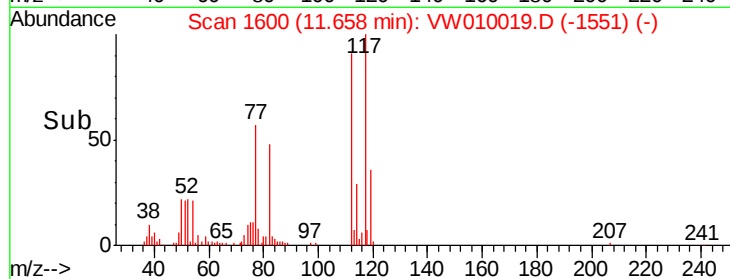
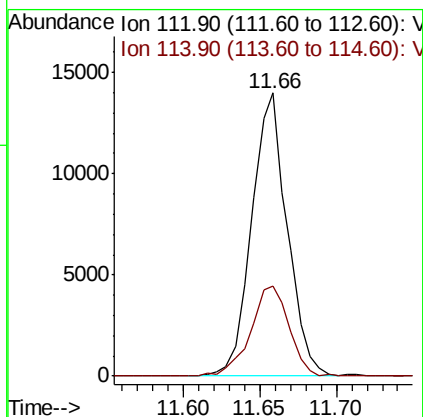
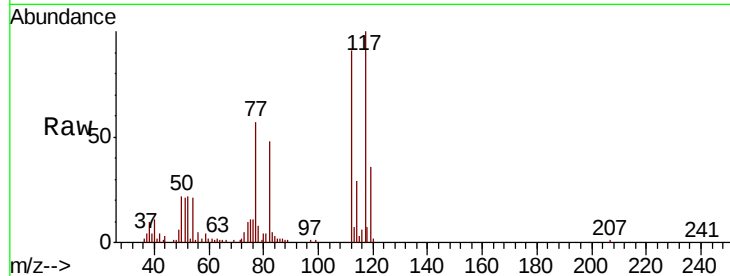




#65
Chlorobenzene
Concen: 2.052 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

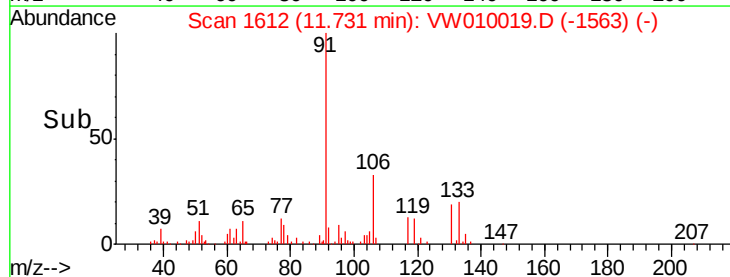
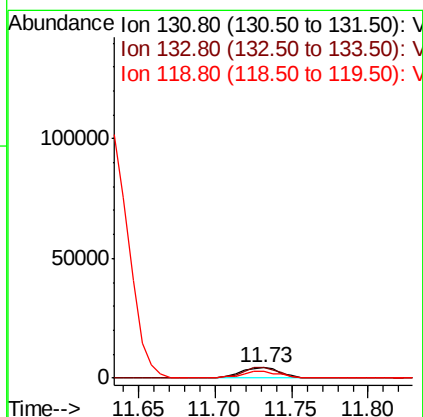
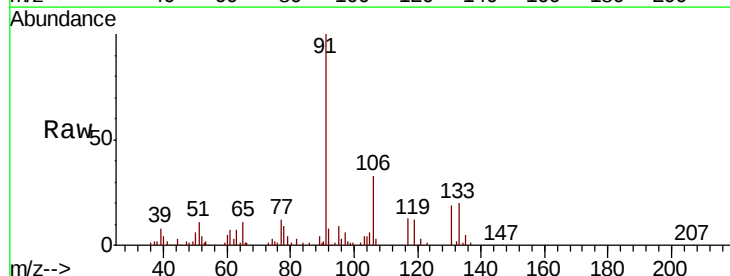
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

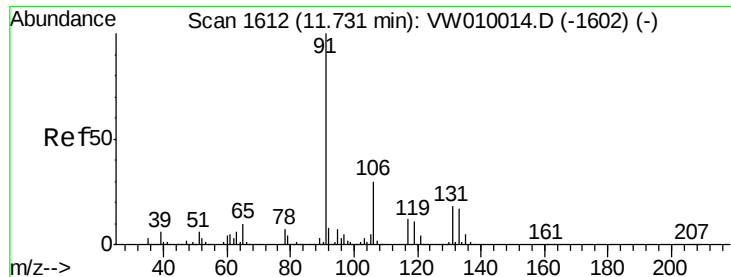
Tgt Ion:112 Resp: 22513
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 1.985 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion:131 Resp: 7786
Ion Ratio Lower Upper
131 100
133 94.5 46.5 139.5
119 0.0 31.9 95.5#

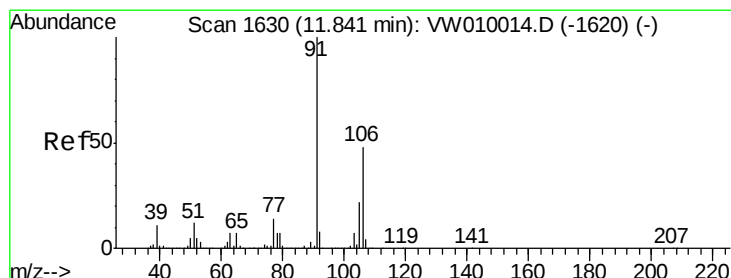
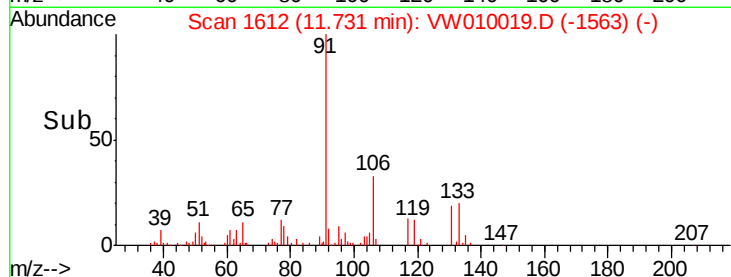
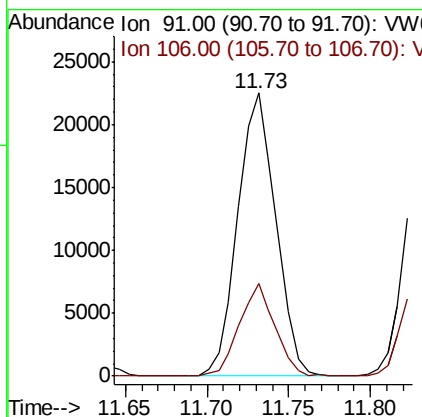
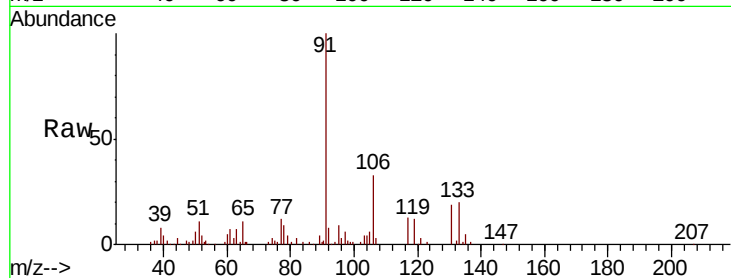




#67
Ethyl Benzene
Concen: 1.863 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

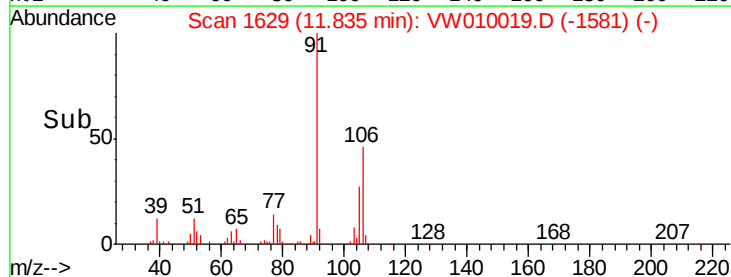
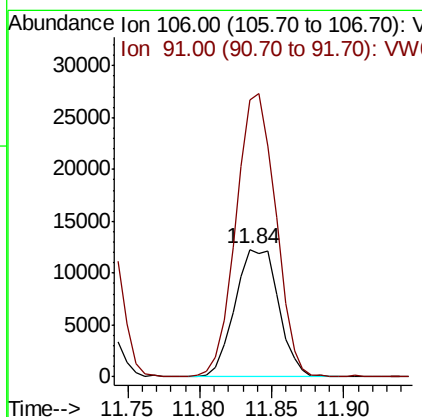
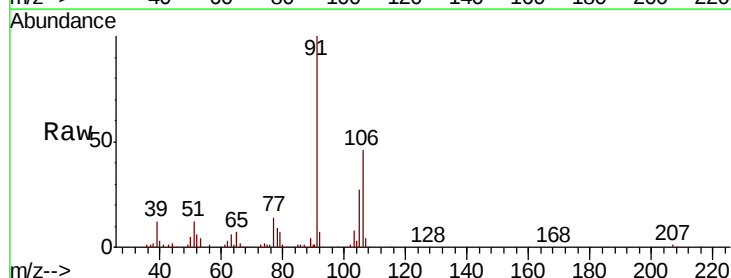
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

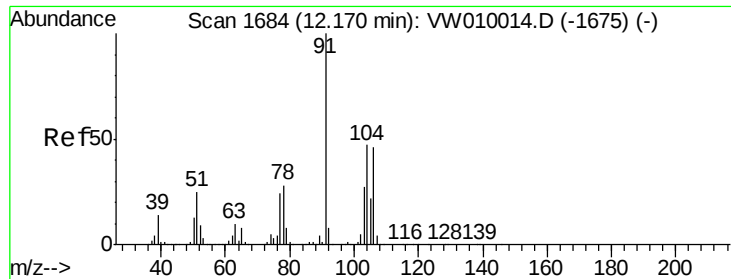
Tgt Ion: 91 Resp: 36464
Ion Ratio Lower Upper
91 100
106 32.6 23.8 35.8



#68
m/p-Xylenes
Concen: 3.527 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 106 Resp: 25803
Ion Ratio Lower Upper
106 100
91 203.2 165.0 247.6

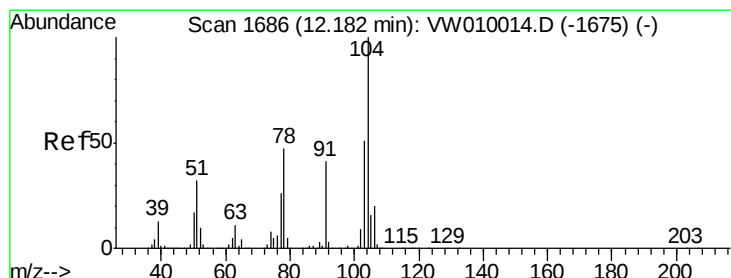
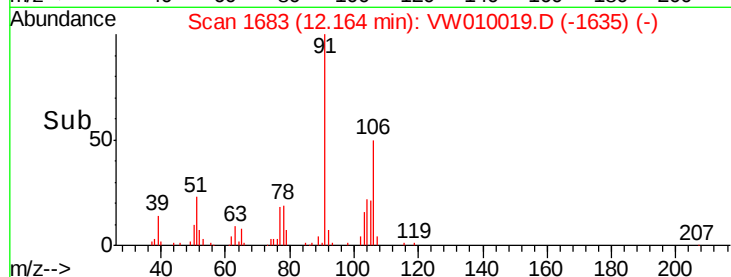
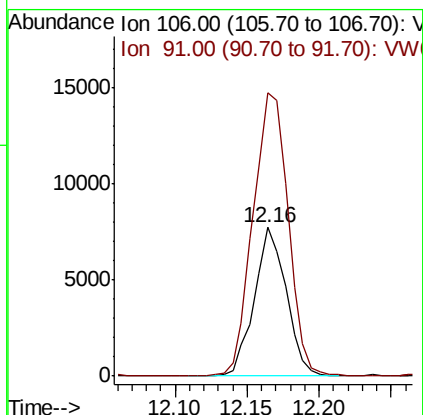
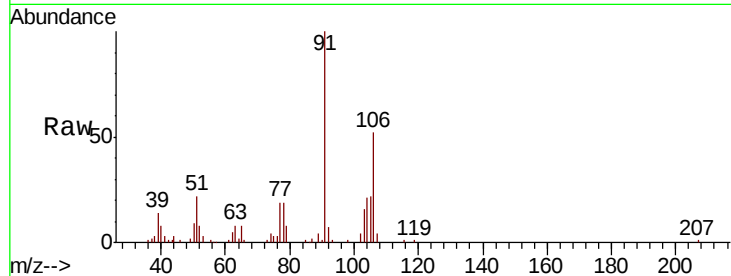




#69
o-Xylene
Concen: 1.771 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

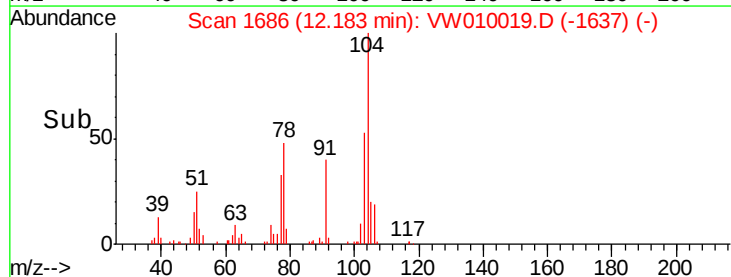
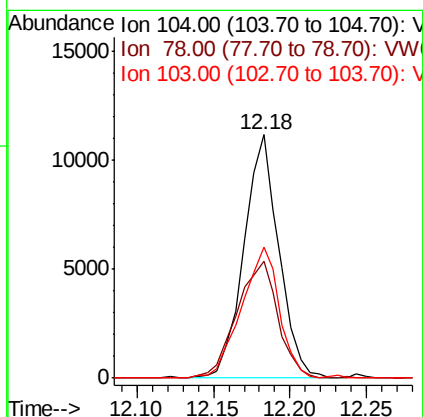
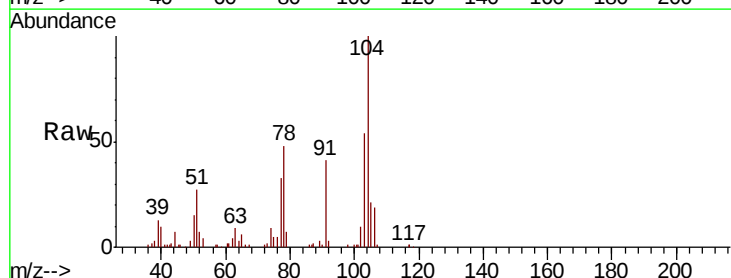
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

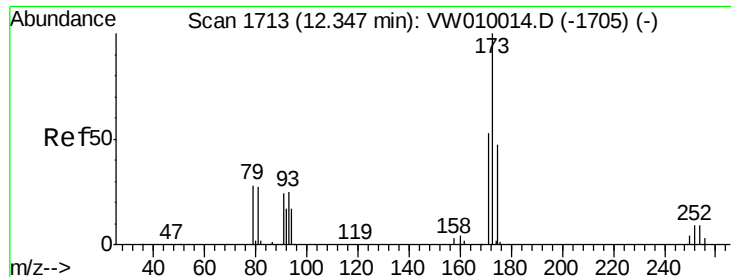
Tgt Ion:106 Resp: 11798
Ion Ratio Lower Upper
106 100
91 210.5 110.5 331.4



#70
Styrene
Concen: 1.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion:104 Resp: 17722
Ion Ratio Lower Upper
104 100
78 56.3 42.5 63.7
103 58.4 43.6 65.4





#71

Bromoform

Concen: 1.899 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

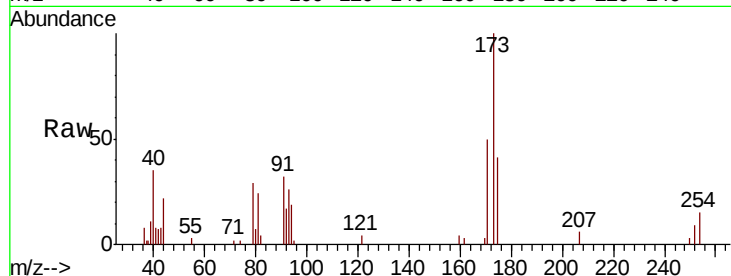
Tgt Ion:173 Resp: 3939

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.4

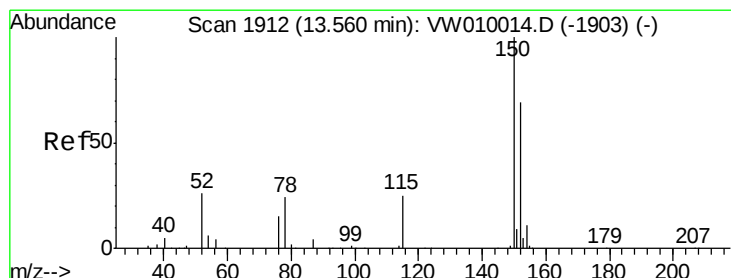
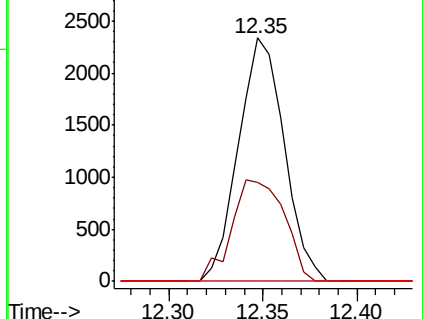
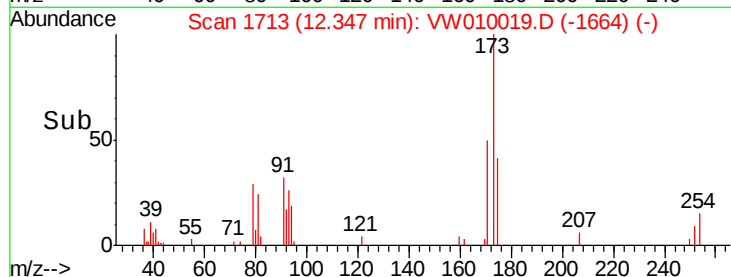
254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

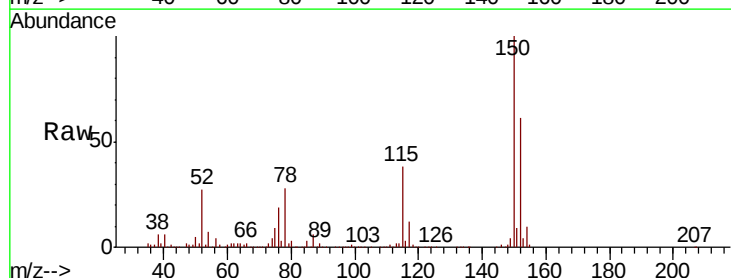
Tgt Ion:152 Resp: 258063

Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.2

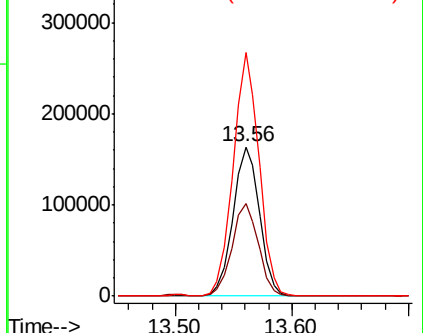
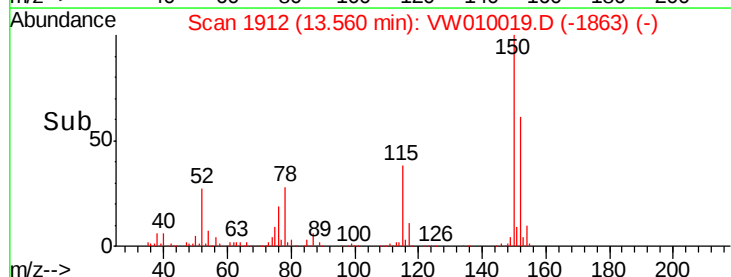
150 159.3 0.0 347.0

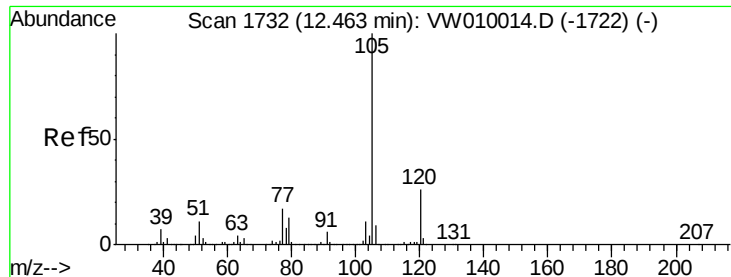


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.751 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

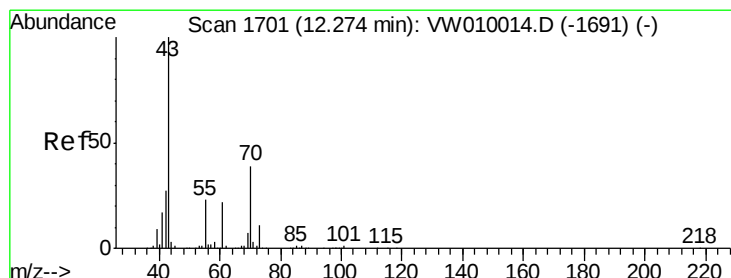
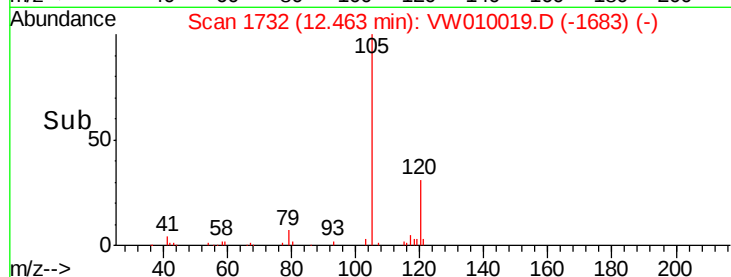
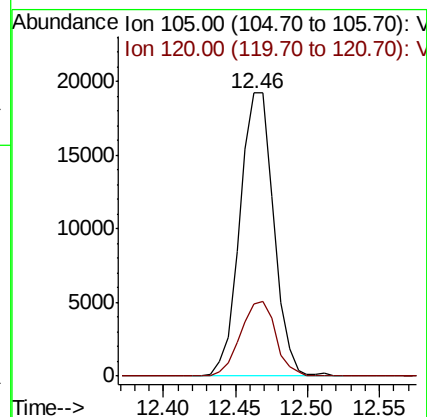
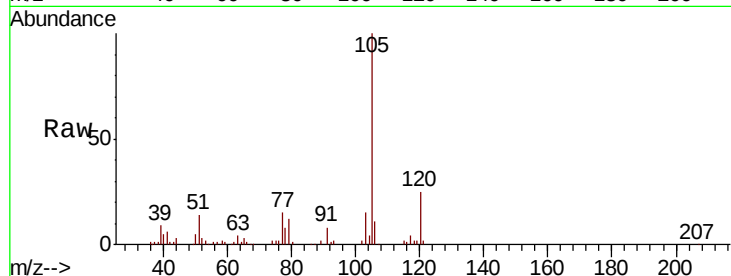
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 105 Resp: 31443

Ion Ratio Lower Upper

105 100

120 27.2 13.1 39.1



#74

N-ethyl acetate

Concen: 1.643 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Tgt Ion: 43 Resp: 8172

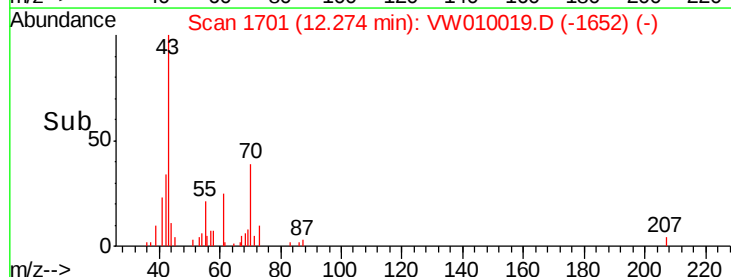
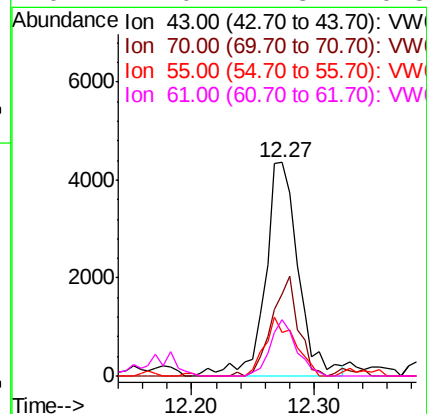
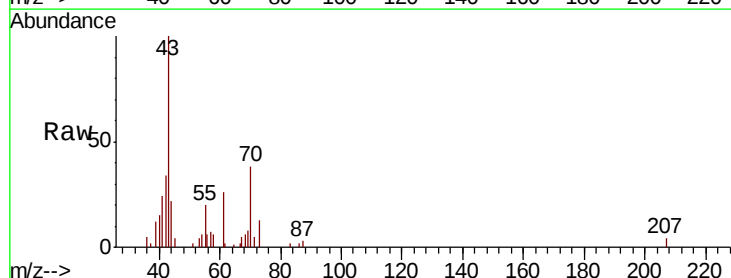
Ion Ratio Lower Upper

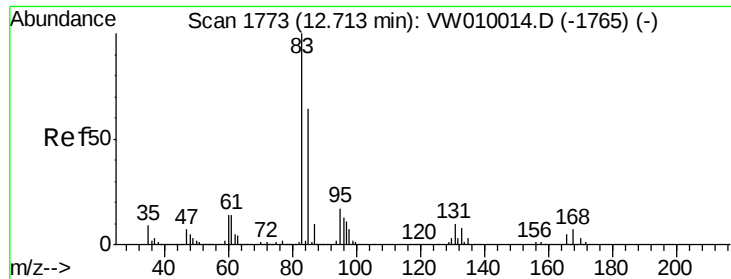
43 100

70 37.0 31.3 46.9

55 25.0 20.0 30.0

61 21.0 17.8 26.8

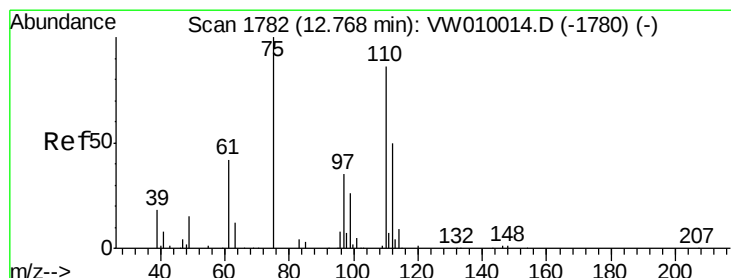
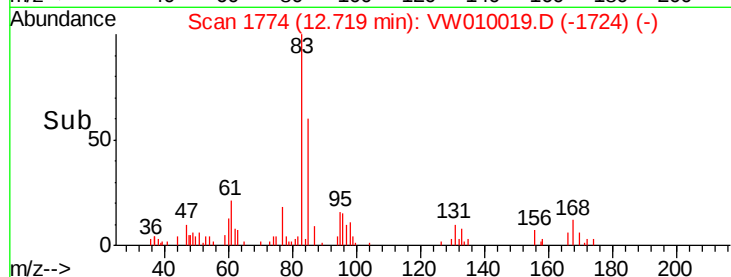
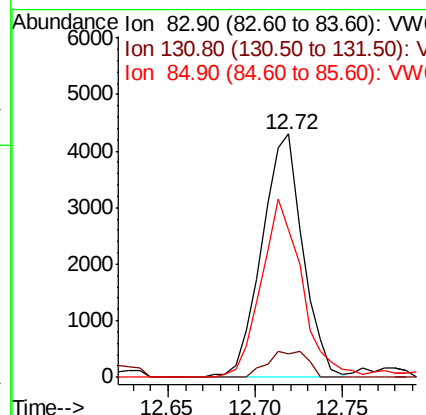
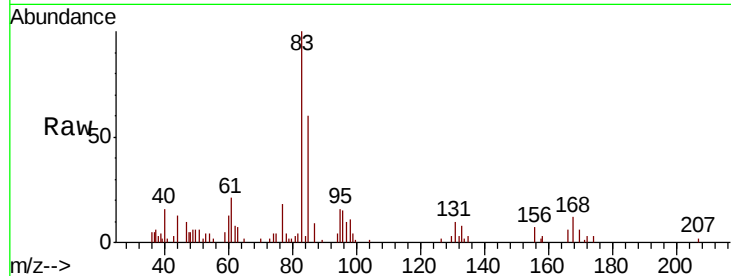




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.972 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

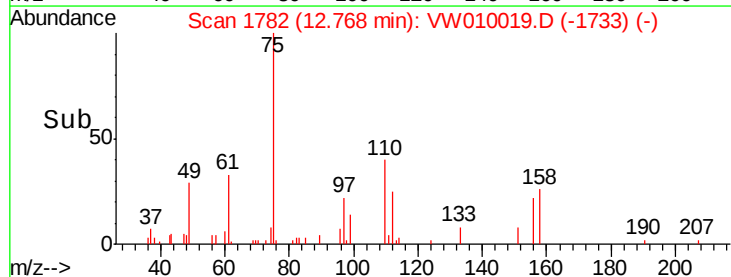
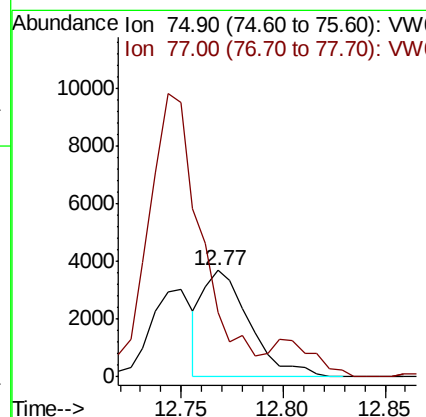
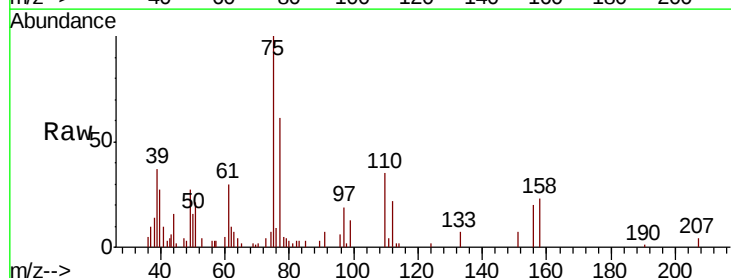
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

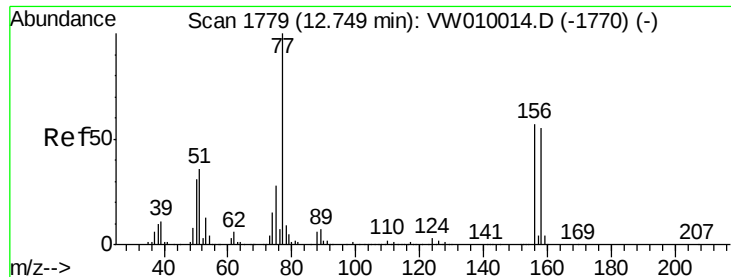
Tgt Ion: 83 Resp: 6997
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 15.8
 85 72.9 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 2.263 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 75 Resp: 5846
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.050 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

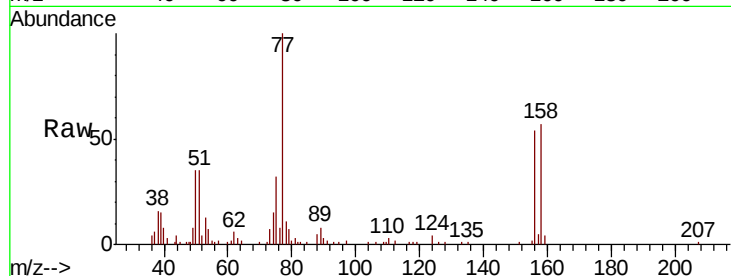
Tgt Ion: 156 Resp: 8469

Ion Ratio Lower Upper

156 100

77 210.6 102.5 307.4

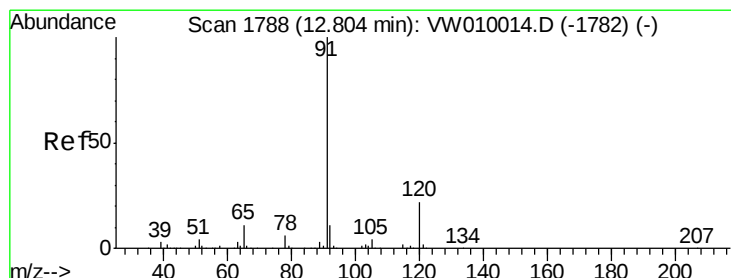
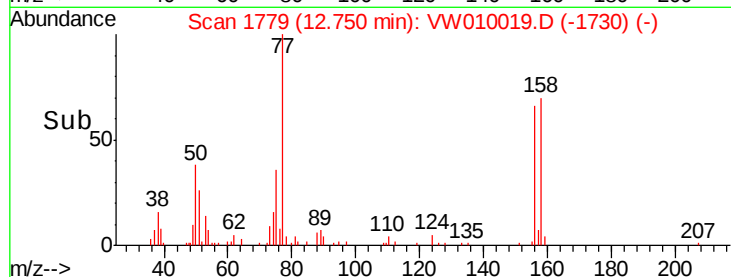
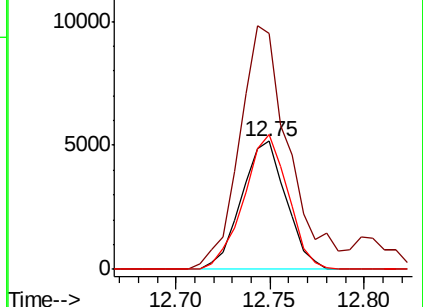
158 103.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.989 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010019.D

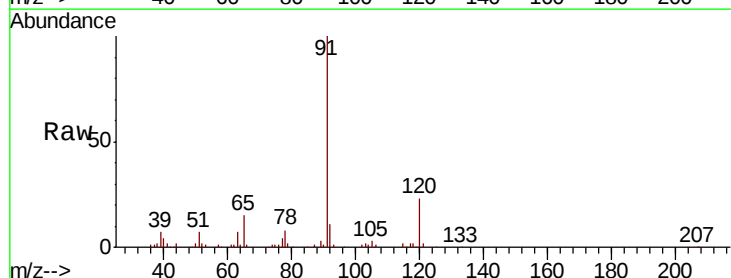
Acq: 17 Apr 2019 16:40

Tgt Ion: 91 Resp: 44273

Ion Ratio Lower Upper

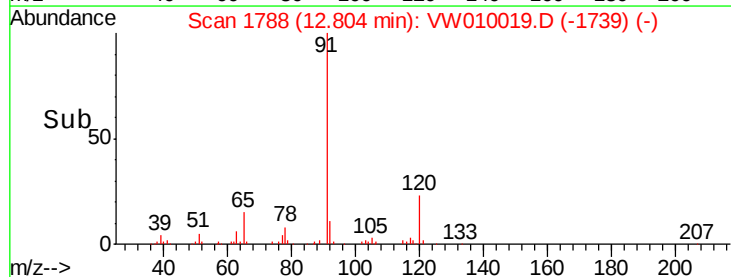
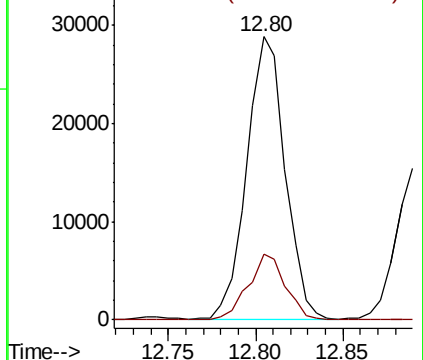
91 100

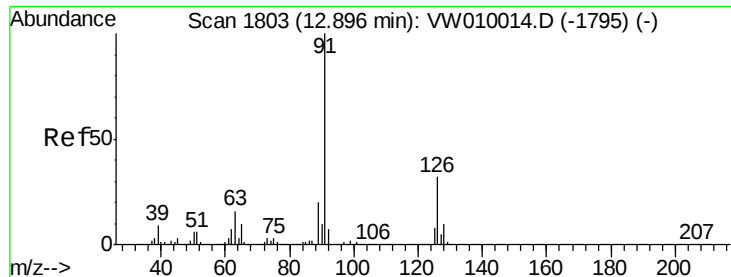
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

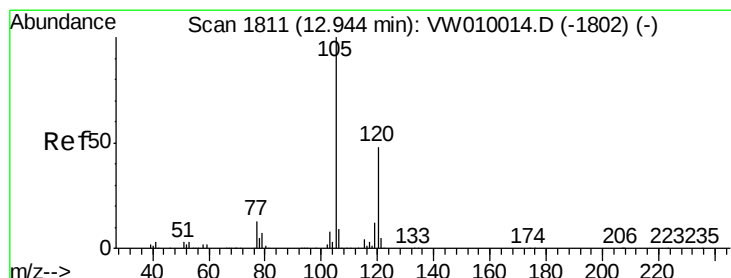
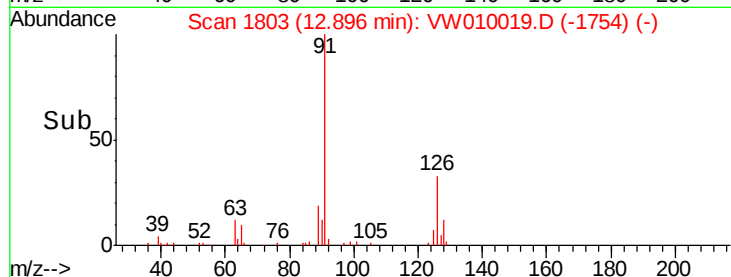
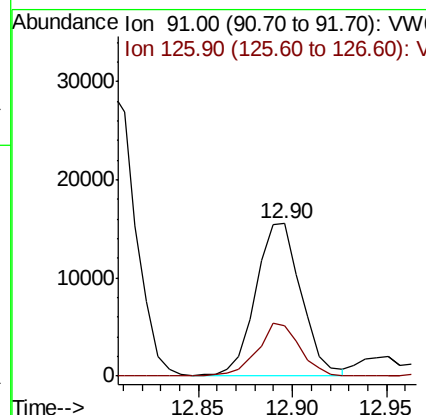
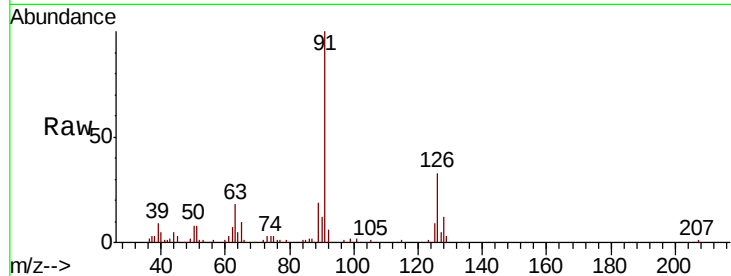




#79
 2-Chlorotoluene
 Concen: 2.051 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

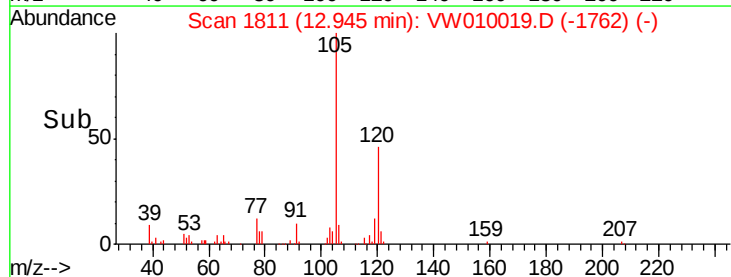
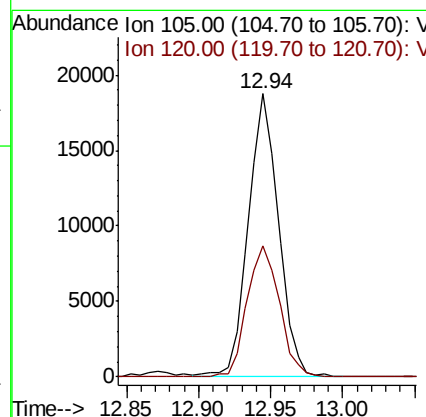
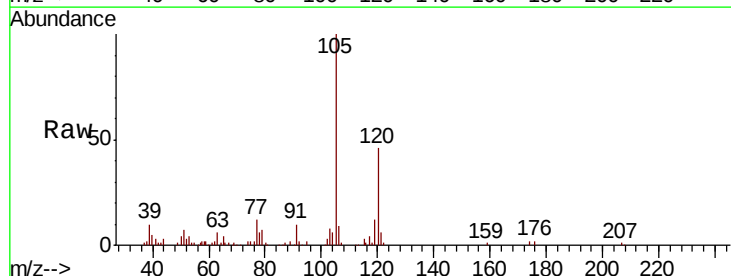
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

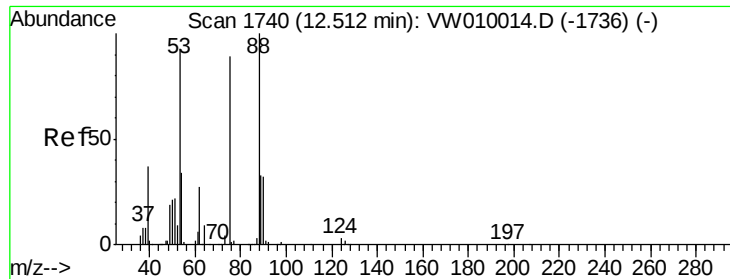
Tgt Ion: 91 Resp: 26263
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.789 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion: 105 Resp: 27247
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 72.8

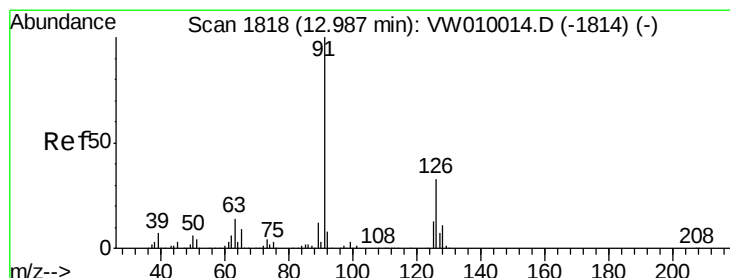
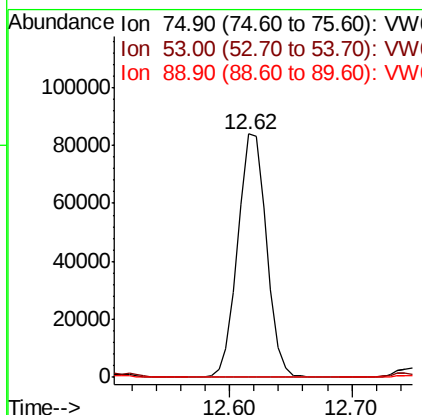
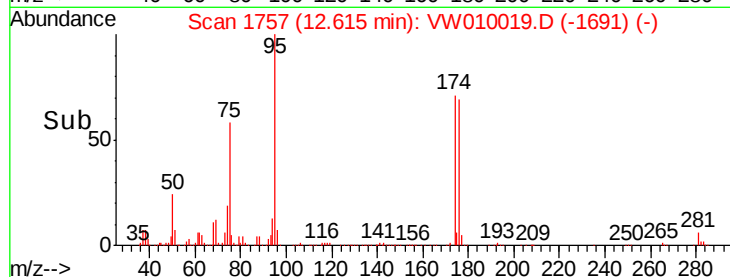
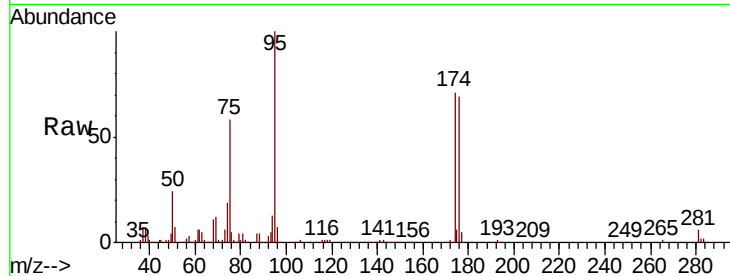




#81
trans-1,4-Dichloro-2-butene
Concen: 124.873 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

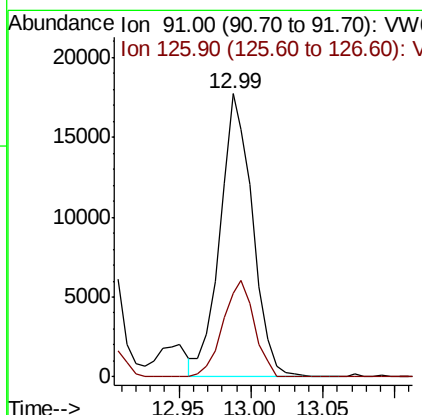
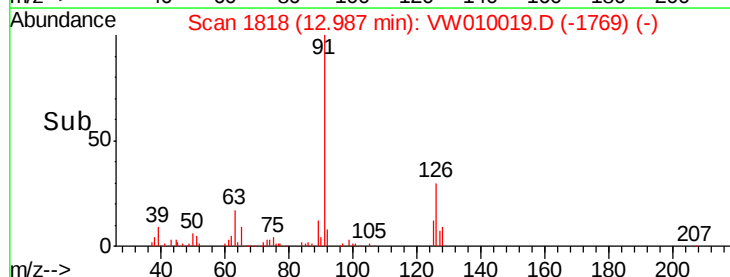
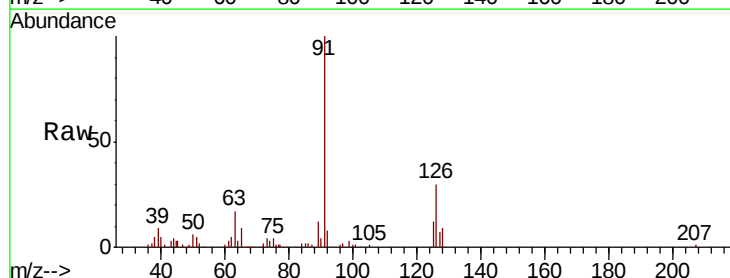
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

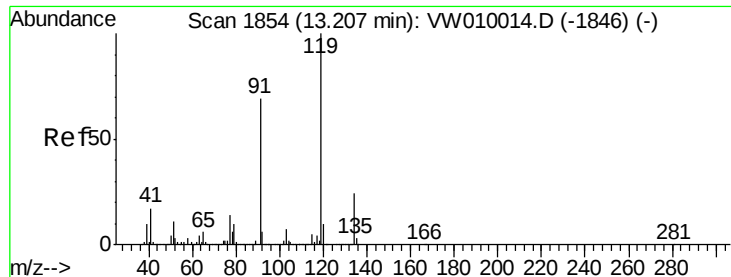
Tgt Ion: 75 Resp: 136782
Ion Ratio Lower Upper
75 100
53 0.1 89.8 134.8#
89 0.1 36.6 54.8#



#82
4-Chlorotoluene
Concen: 2.079 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion: 91 Resp: 28013
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1

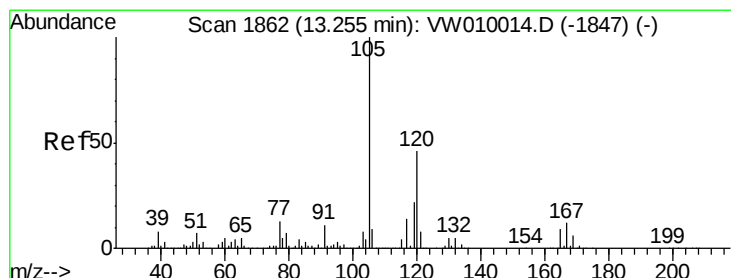
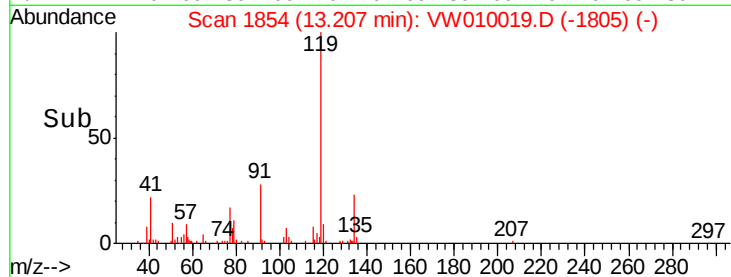
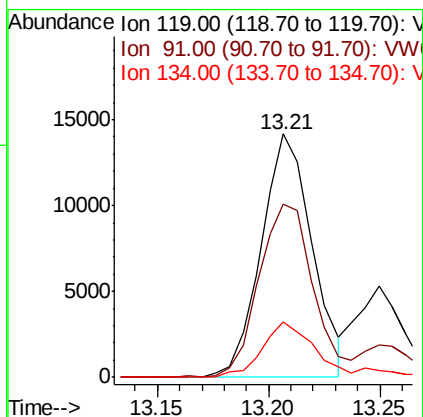
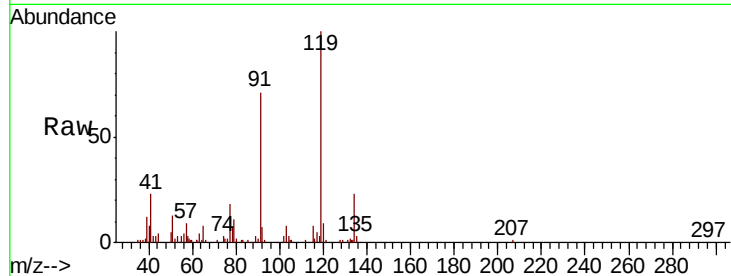




#83
 tert-Butylbenzene
 Concen: 1.779 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

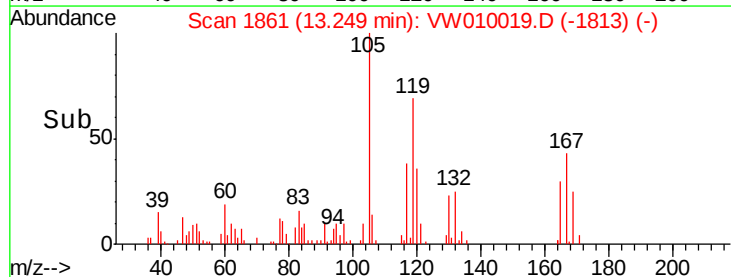
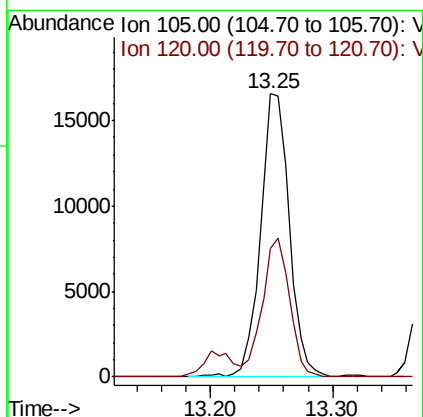
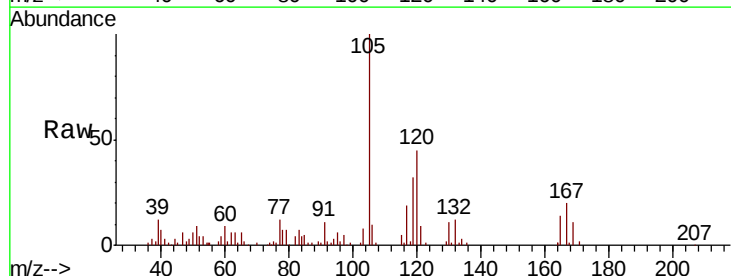
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

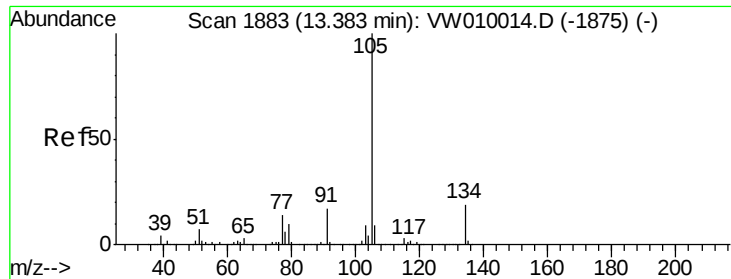
Tgt Ion:119 Resp: 22441
 Ion Ratio Lower Upper
 119 100
 91 76.2 34.8 104.4
 134 22.8 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.756 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion:105 Resp: 27109
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.6 67.7

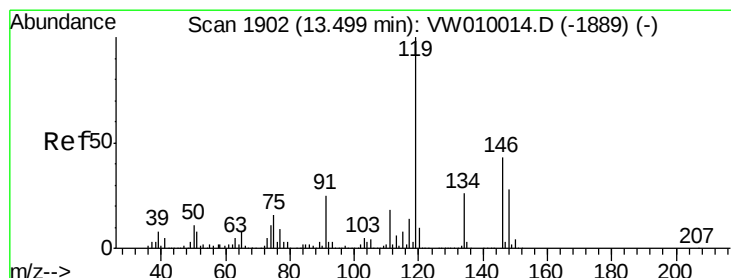
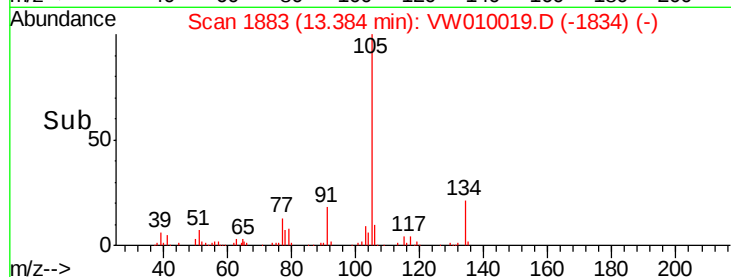
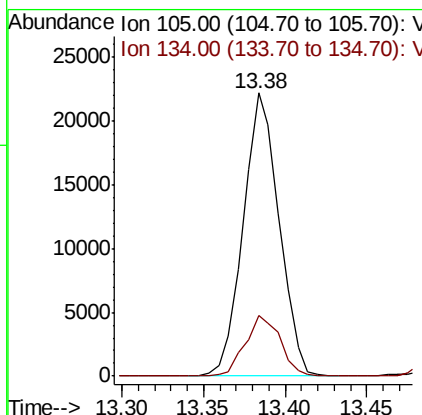
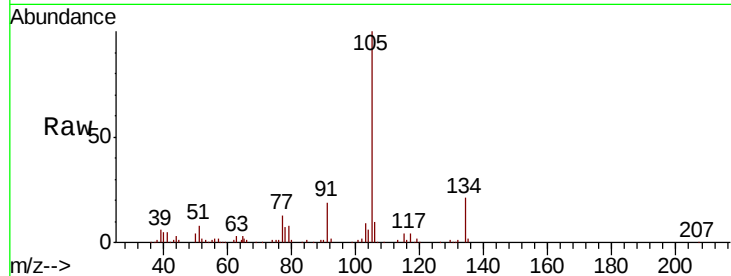




#85
 sec-Butylbenzene
 Concen: 1.803 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

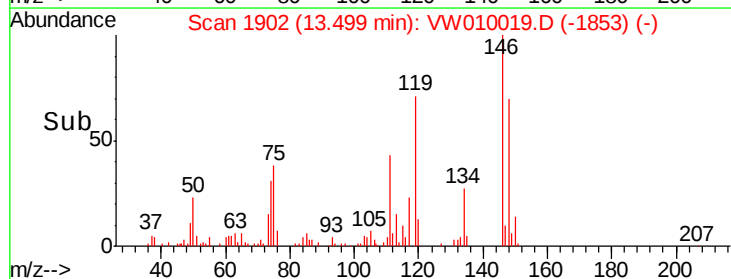
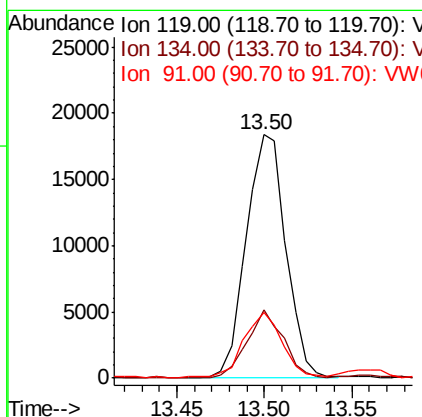
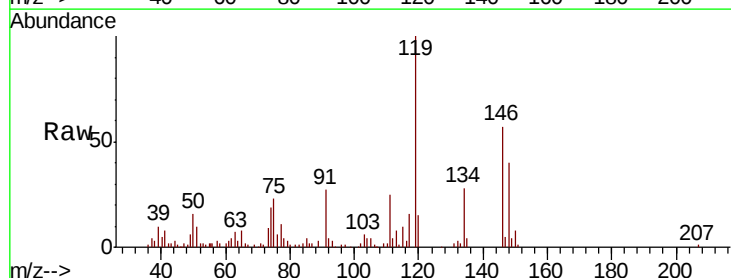
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

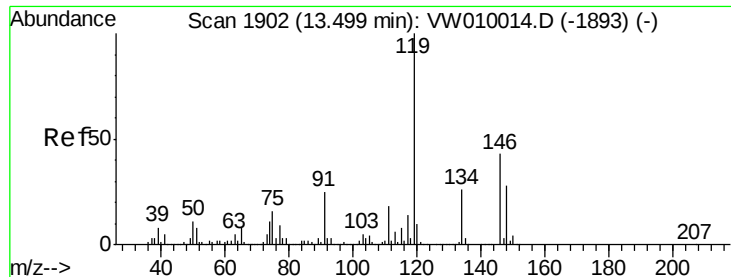
Tgt Ion:105 Resp: 33988
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 1.747 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion:119 Resp: 29020
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 26.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 2.122 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

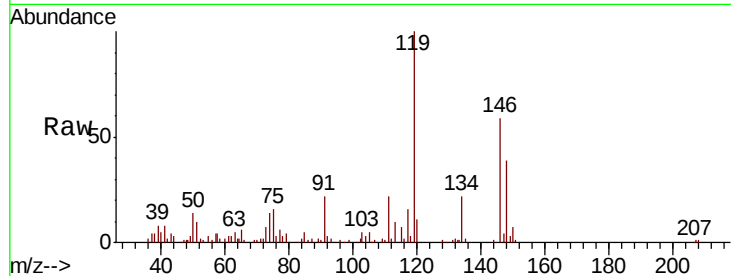
Tgt Ion:146 Resp: 17716

Ion Ratio Lower Upper

146 100

111 40.5 20.3 61.0

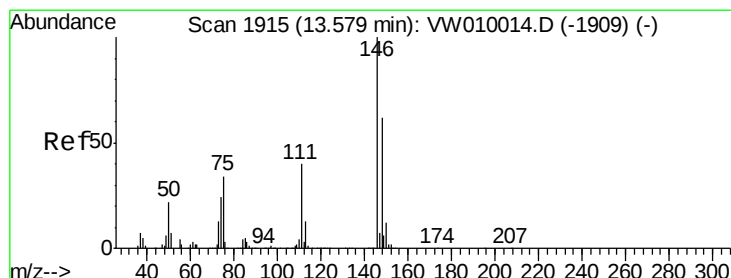
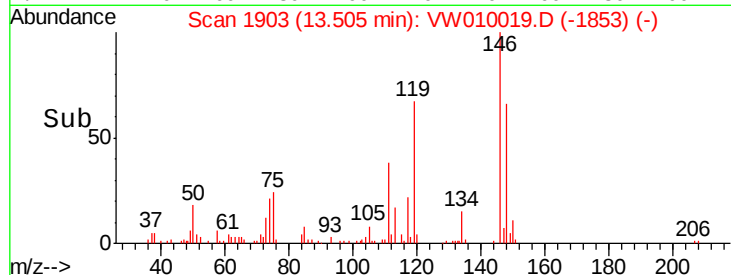
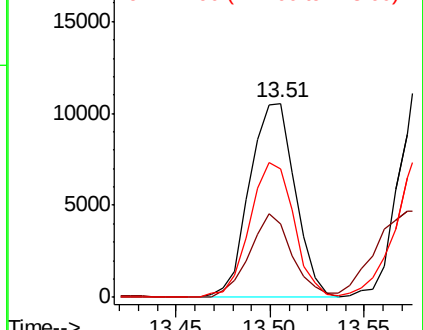
148 67.2 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 2.362 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

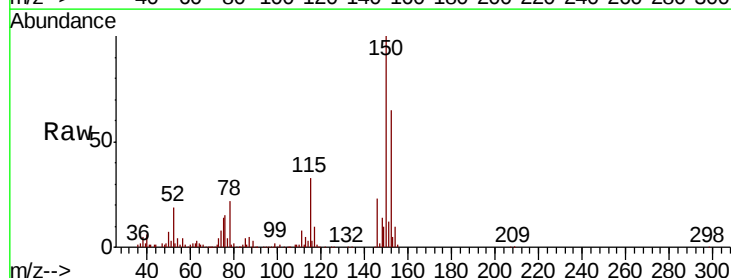
Tgt Ion:146 Resp: 19684

Ion Ratio Lower Upper

146 100

111 57.3 20.1 60.3

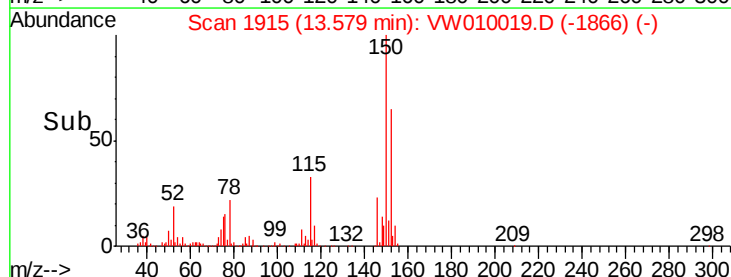
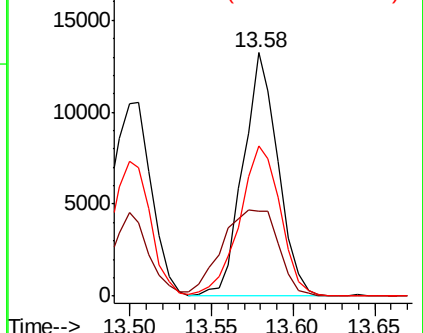
148 72.1 31.8 95.3

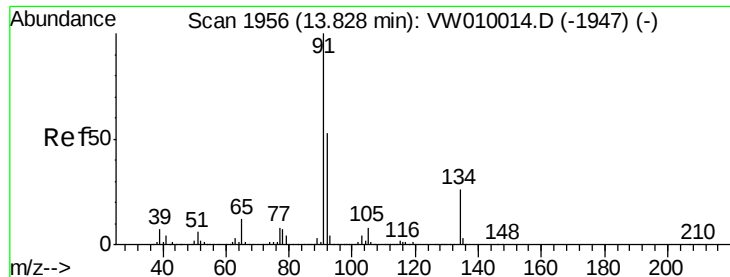


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.988 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010019.D

Acq: 17 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

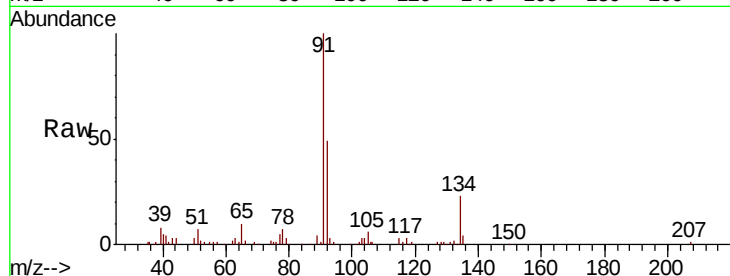
Tgt Ion: 91 Resp: 32710

Ion Ratio Lower Upper

91 100

92 51.4 26.5 79.4

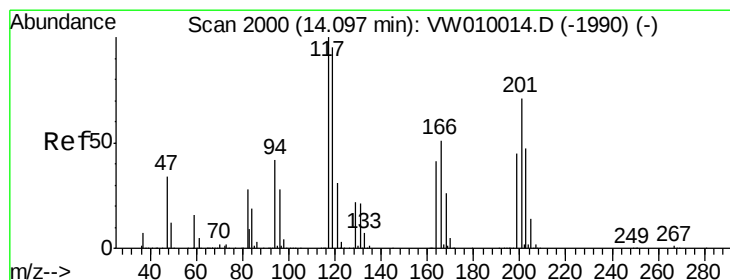
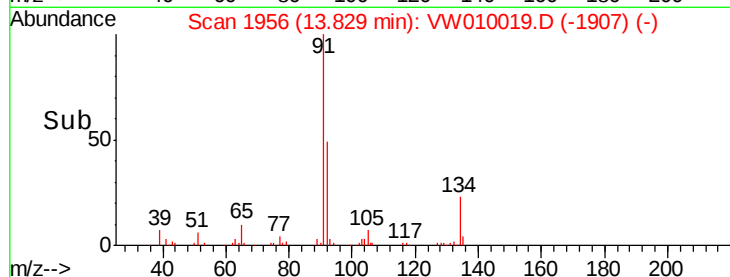
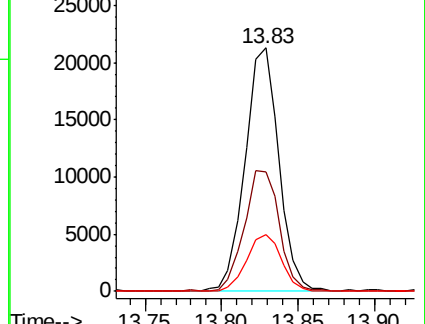
134 23.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.140 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW010019.D

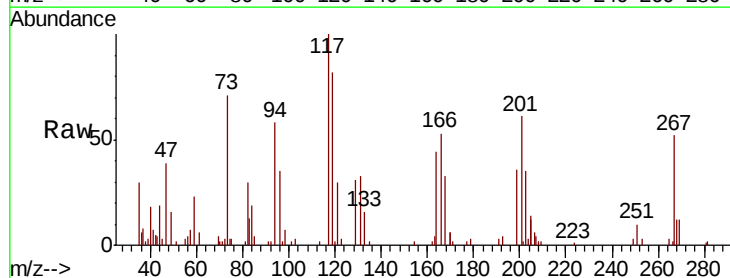
Acq: 17 Apr 2019 16:40

Tgt Ion: 117 Resp: 6807

Ion Ratio Lower Upper

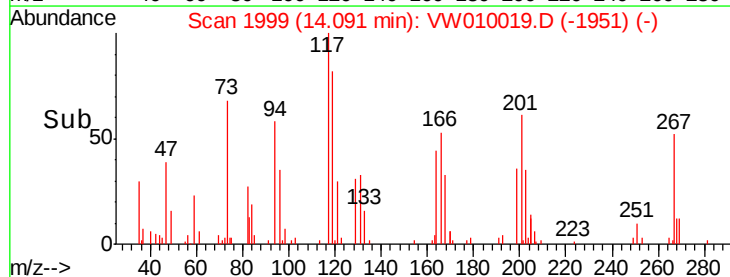
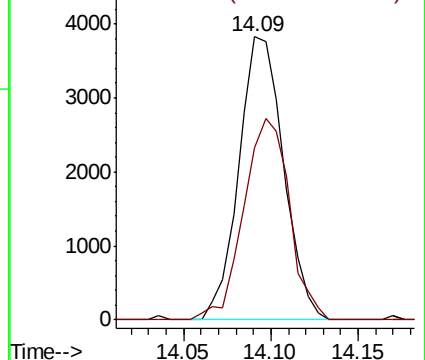
117 100

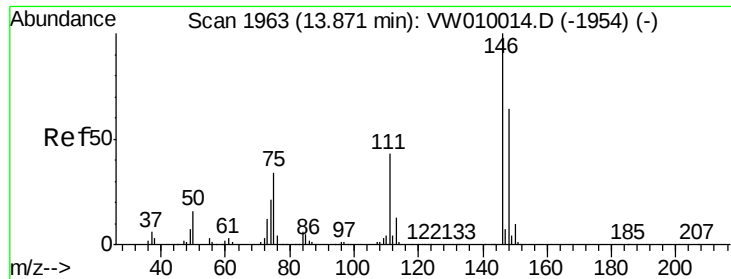
201 72.6 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

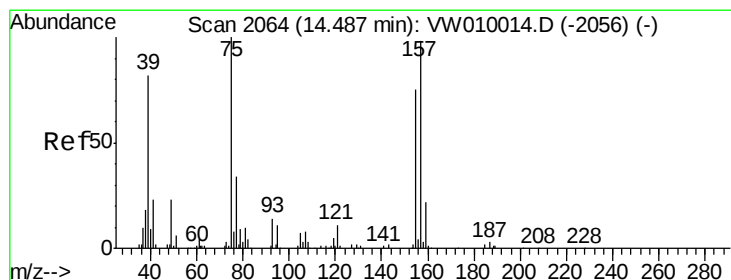
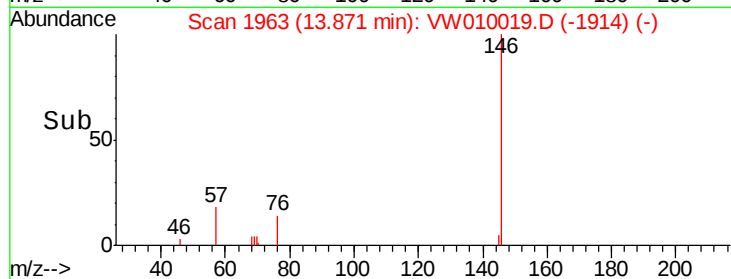
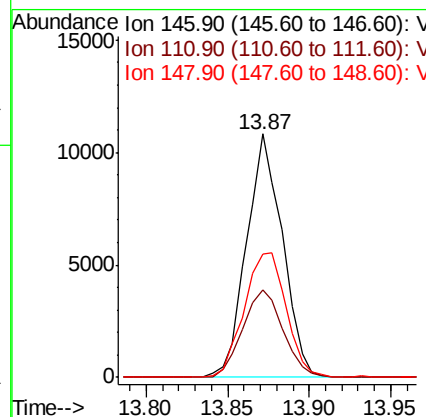
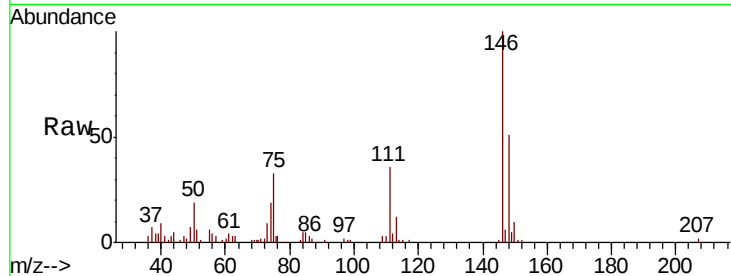




#91
 1,2-Dichlorobenzene
 Concen: 2.218 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

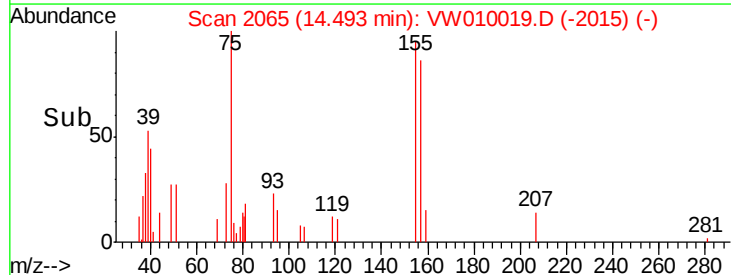
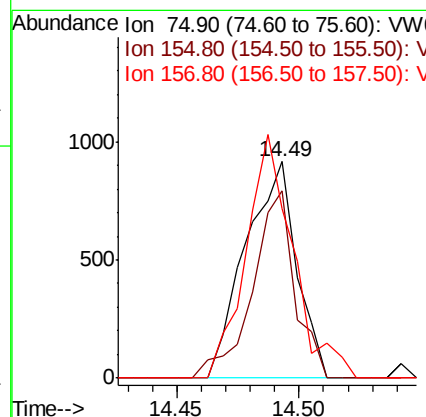
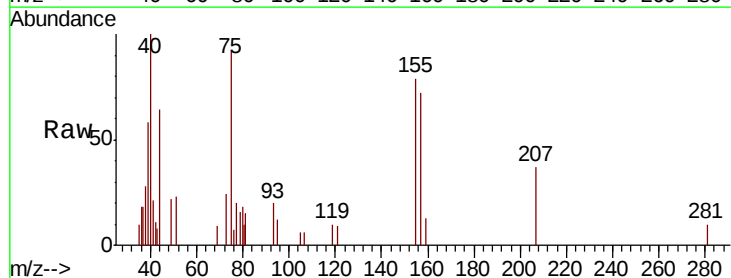
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

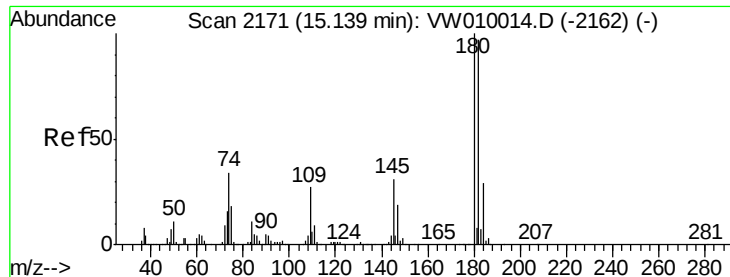
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.9	62.8
148	59.8	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.098 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	37.1	111.5
157	104.1	47.3	141.9

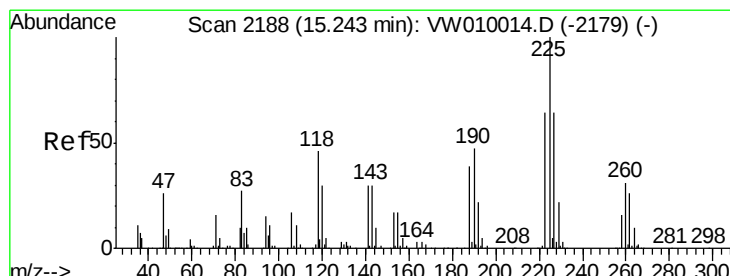
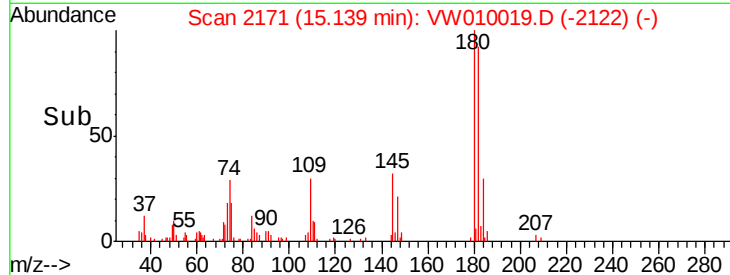
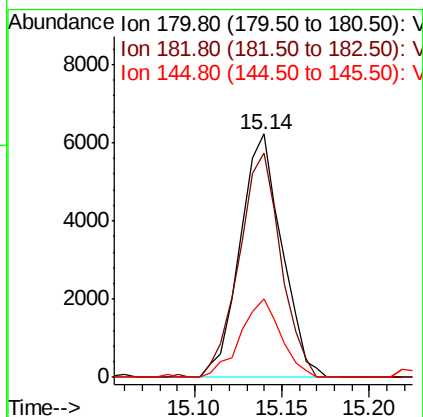
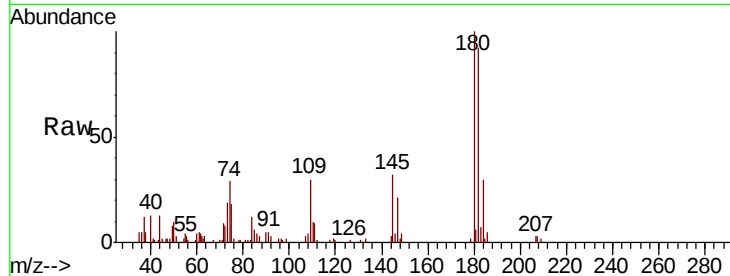




#93
 1,2,4-Trichlorobenzene
 Concen: 2.095 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

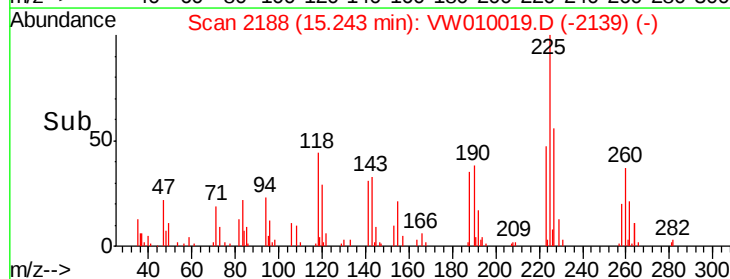
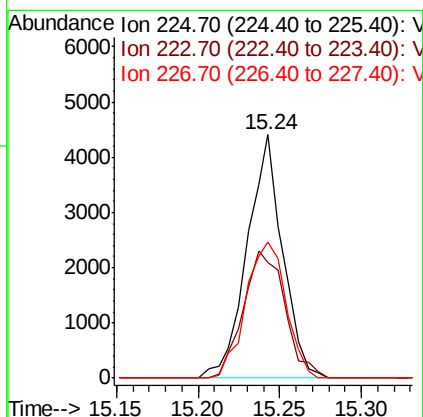
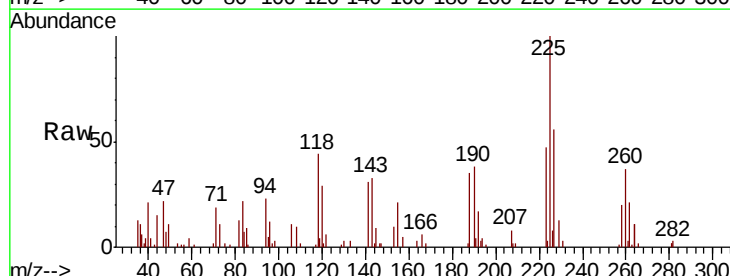
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

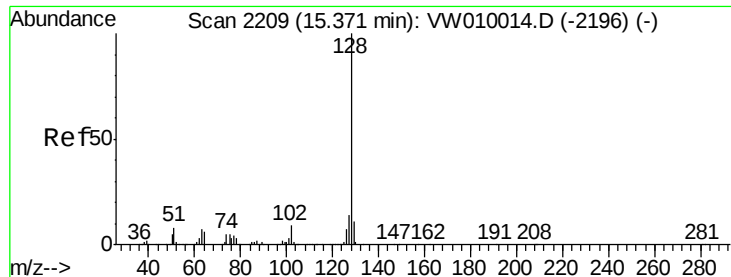
Tgt Ion:180 Resp: 10348
 Ion Ratio Lower Upper
 180 100
 182 91.9 47.1 141.4
 145 31.1 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 2.220 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010019.D
 Acq: 17 Apr 2019 16:40

Tgt Ion:225 Resp: 6658
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.5
 227 63.1 31.8 95.3

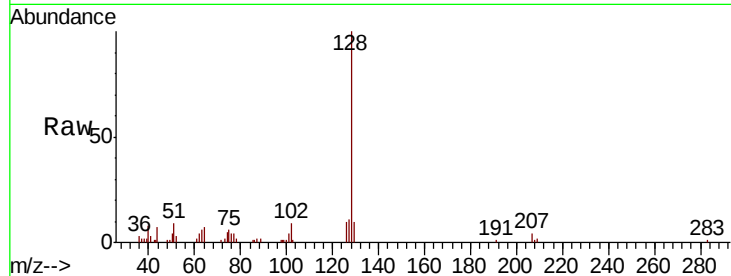




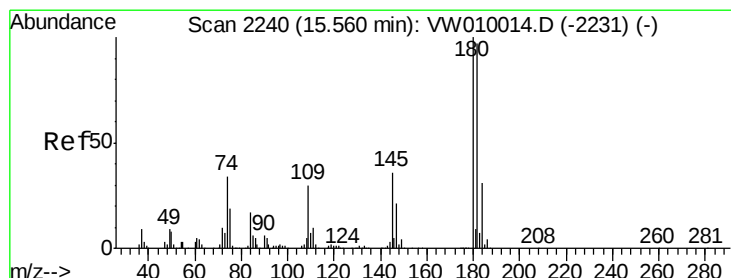
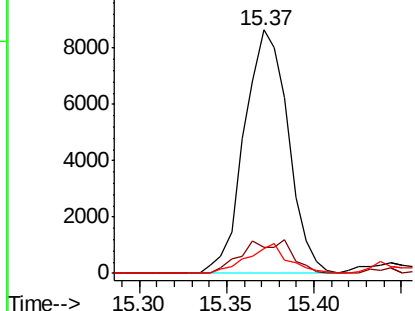
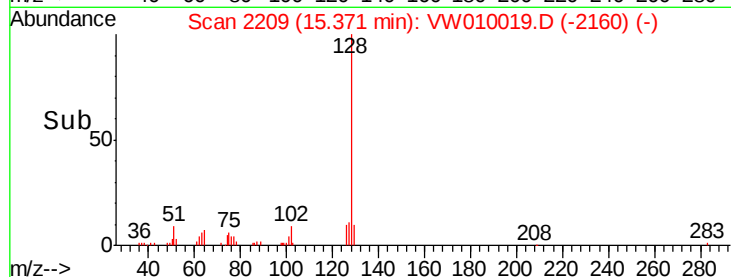
#95
Naphthalene
Concen: 4.097 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:128 Resp: 15090
Ion Ratio Lower Upper
128 100
127 15.1 10.6 15.8
129 11.1 8.7 13.1

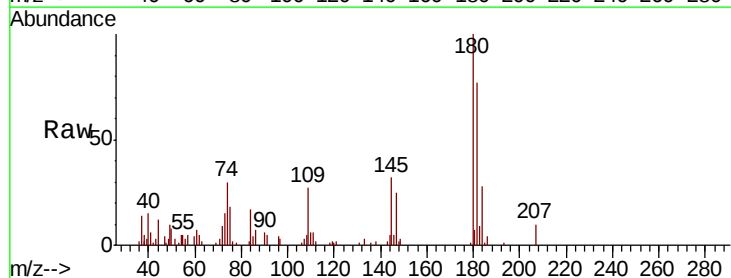


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.122 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010019.D
Acq: 17 Apr 2019 16:40

Tgt Ion:180 Resp: 9092
Ion Ratio Lower Upper
180 100
182 92.2 47.8 143.3
145 31.2 16.4 49.2



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

