

Data File : VW005898.D
Acq On : 08 Oct 2018 16:25
Operator : SY/AP
Sample : J5164-01LOD/MDL
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Quant Time: Oct 09 06:08:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	453386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146141	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	7.88	113	142941	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.33	98	558052	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	207787	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.02	85	4116	2.668 ug/l	72
3) Chloromethane	2.21	50	6580	3.626 ug/l	95
4) Vinyl Chloride	2.37	62	8198	2.846 ug/l	98
5) Bromomethane	2.78	94	6759	2.973 ug/l	89
6) Chloroethane	2.93	64	4708	2.565 ug/l #	88
7) Trichlorofluoromethane	3.26	101	5849	2.558 ug/l	94
8) Diethyl Ether	3.68	74	4381	3.113 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7521	2.606 ug/l	98
10) Methyl Iodide	4.27	142	12112	2.566 ug/l	96
11) Tert butyl alcohol	5.22	59	3333	14.880 ug/l #	91
12) 1,1-Dichloroethene	4.04	96	7618	2.749 ug/l	91
13) Acrolein	3.89	56	2895	14.504 ug/l	97
14) Allyl chloride	4.67	41	11384	2.409 ug/l	95
15) Acrylonitrile	5.37	53	8315	13.575 ug/l	98
16) Acetone	4.14	43	10833	17.746 ug/l #	89
17) Carbon Disulfide	4.37	76	21386	2.552 ug/l	100
18) Methyl Acetate	4.67	43	4783	3.105 ug/l	97
19) Methyl tert-butyl Ether	5.43	73	12338	2.862 ug/l	93
20) Methylene Chloride	4.92	84	14659	4.793 ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	8675	2.872 ug/l	94
22) Diisopropyl ether	6.32	45	22002	2.490 ug/l	97
23) Vinyl Acetate	6.26	43	66886	12.300 ug/l	97
24) 1,1-Dichloroethane	6.21	63	13614	2.518 ug/l	94
25) 2-Butanone	7.18	43	12126	13.966 ug/l	97
26) 2,2-Dichloropropane	7.16	77	12690	3.335 ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8997	2.634 ug/l	91
28) Bromochloromethane	7.51	49	5585	2.799 ug/l	97
29) Tetrahydrofuran	7.54	42	7846	14.295 ug/l	94
30) Chloroform	7.68	83	14588	2.627 ug/l	98
31) Cyclohexane	7.95	56	19007	3.552 ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	12908	2.610 ug/l	93
36) 1,1-Dichloropropene	8.08	75	11582	2.666 ug/l	97
37) Ethyl Acetate	7.27	43	4758	2.586 ug/l #	94
38) Carbon Tetrachloride	8.07	117	11997	2.570 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15748	2.748	ug/l	98
40) Benzene	8.32	78	31094	2.615	ug/l	98
41) Methacrylonitrile	7.49	41	2849	2.474	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	9083	2.529	ug/l	91
43) Isopropyl Acetate	8.43	43	10011	2.605	ug/l	97
44) Trichloroethene	9.09	130	9523	2.760	ug/l	94
45) 1,2-Dichloropropane	9.37	63	7879	2.647	ug/l	92
46) Dibromomethane	9.46	93	4656	2.846	ug/l	96
47) Bromodichloromethane	9.65	83	10574	2.569	ug/l	100
48) Methyl methacrylate	9.45	41	4786	2.614	ug/l	99
49) 1,4-Dioxane	9.48	88	1409	56.708	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	26607	14.218	ug/l	96
52) Toluene	10.39	92	20711	2.651	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	10472	2.434	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	12172	2.517	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	6203	2.738	ug/l	95
56) Ethyl methacrylate	10.65	69	7824	2.562	ug/l	94
57) 1,3-Dichloropropane	10.93	76	10035	2.633	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	17501	14.085	ug/l	99
59) 2-Hexanone	10.98	43	17316	12.905	ug/l	97
60) Dibromochloromethane	11.13	129	7329	2.507	ug/l	94
61) 1,2-Dibromoethane	11.24	107	6208	2.742	ug/l	99
64) Tetrachloroethene	10.87	164	8624	2.784	ug/l	94
65) Chlorobenzene	11.66	112	23795	2.671	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8121	2.487	ug/l	95
67) Ethyl Benzene	11.73	91	41959	2.667	ug/l	97
68) m/p-Xylenes	11.84	106	32034	5.210	ug/l	99
69) o-Xylene	12.17	106	15144	2.573	ug/l	97
70) Styrene	12.18	104	24783	2.538	ug/l	99
71) Bromoform	12.35	173	4737	2.436	ug/l #	96
73) Isopropylbenzene	12.47	105	42923	2.640	ug/l	98
74) N-amyl acetate	12.27	43	9829	2.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	7717	2.896	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	9352	4.702	ug/l #	100
77) Bromobenzene	12.75	156	10383	2.695	ug/l	99
78) n-propylbenzene	12.81	91	49302	2.578	ug/l	100
79) 2-Chlorotoluene	12.90	91	28315	2.622	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	35299	2.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106201	112.733	ug/l #	11
82) 4-Chlorotoluene	12.99	91	30433	2.679	ug/l	98
83) tert-Butylbenzene	13.21	119	32185	2.636	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	37482	2.707	ug/l	98
85) sec-Butylbenzene	13.39	105	44948	2.623	ug/l	100
86) p-Isopropyltoluene	13.51	119	39461	2.560	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	20767	2.713	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21491	2.826	ug/l	92
89) n-Butylbenzene	13.83	91	36951	2.543	ug/l	99
90) Hexachloroethane	14.10	117	7174	2.475	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	19272	2.836	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1282	2.581	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	14954	2.838	ug/l	99
94) Hexachlorobutadiene	15.24	225	8773	2.668	ug/l	98
95) Naphthalene	15.38	128	25744	2.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	12713	2.787	ug/l	98

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

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Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 15      Sample Multiplier: 1
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MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

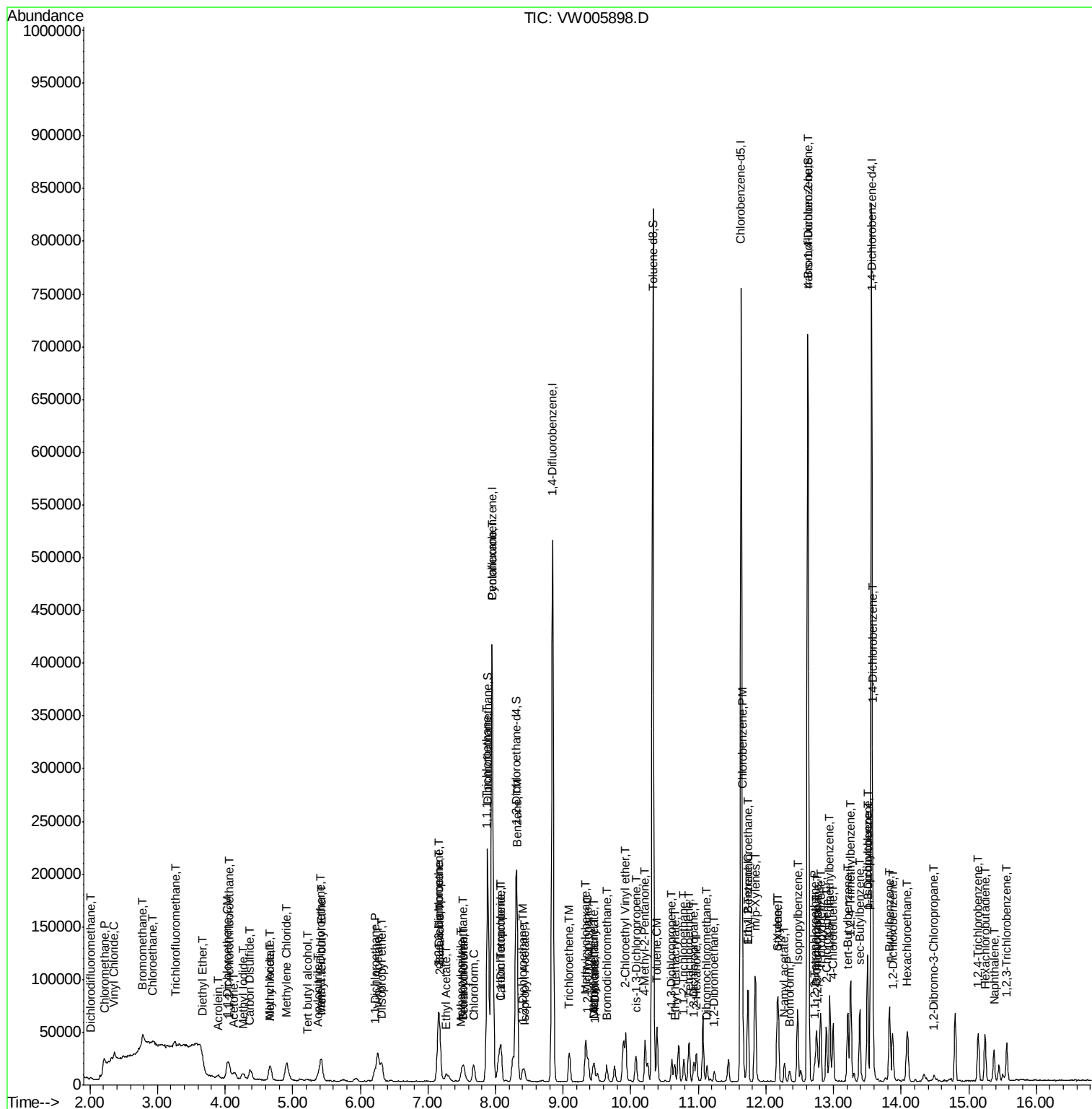
Quant Time: Oct 09 06:08:24 2018

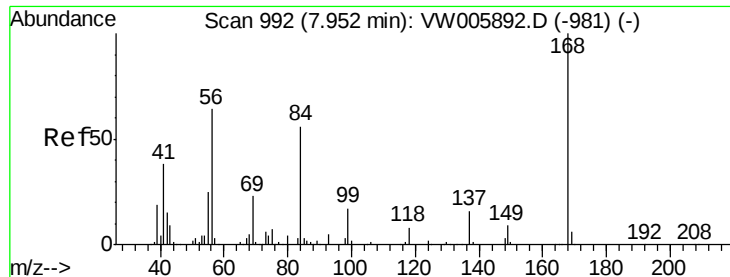
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W100818S.M

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QLast Update : Tue Oct 09 02:14:04 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

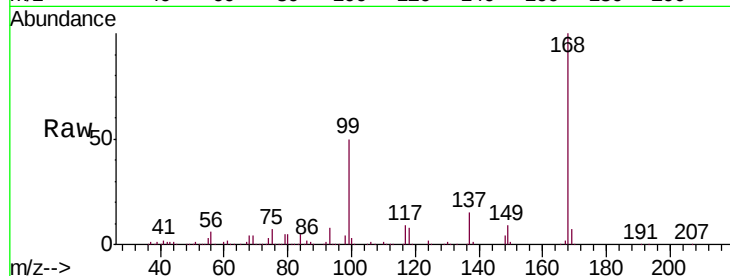
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:168 Resp: 314824

Ion Ratio Lower Upper

168 100

99 50.2 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

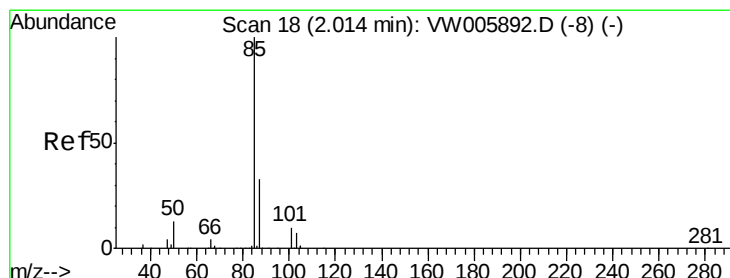
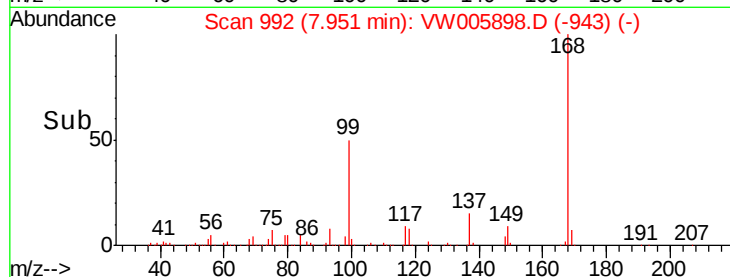
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 2.668 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005898.D

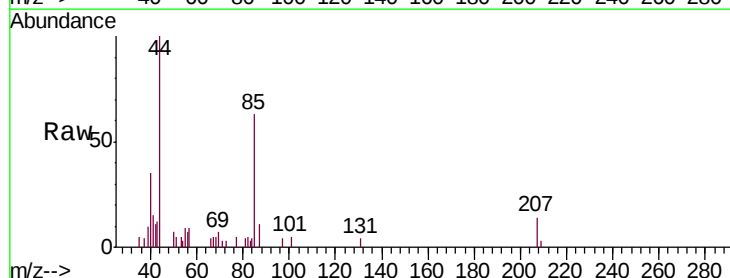
Acq: 08 Oct 2018 16:25

Tgt Ion: 85 Resp: 4116

Ion Ratio Lower Upper

85 100

87 17.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

1200

1000

800

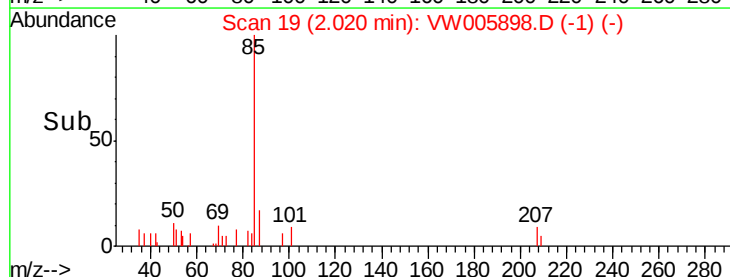
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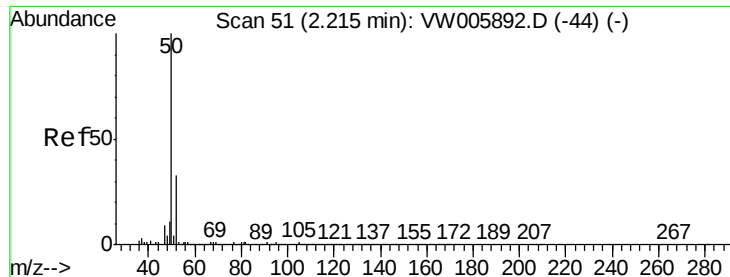
400

200

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 3.626 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

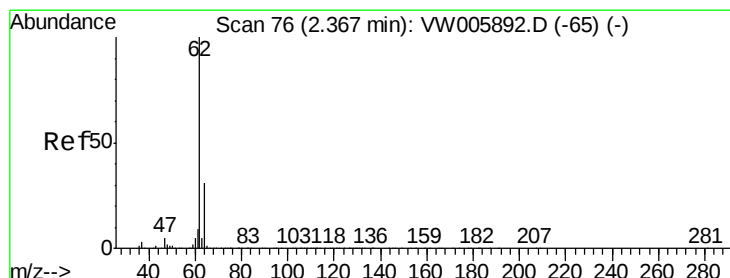
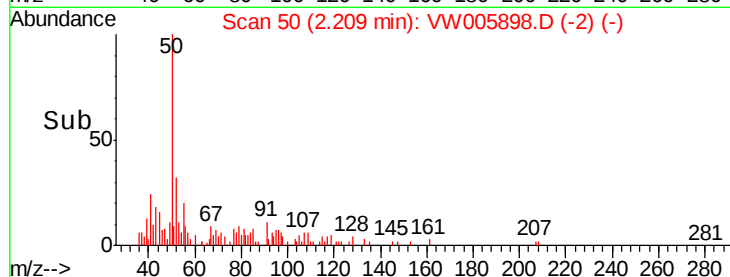
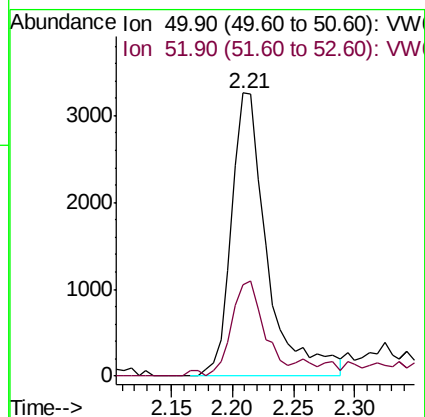
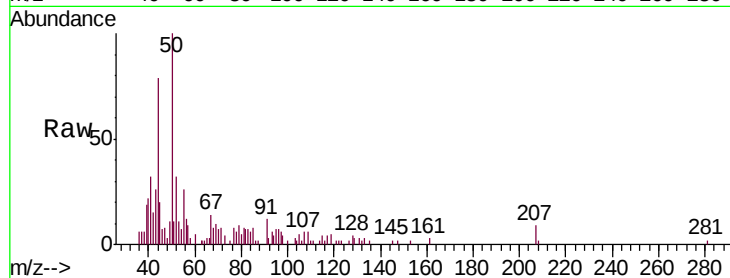
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 50 Resp: 6580

Ion Ratio Lower Upper

50 100

52 30.4 26.7 40.1



#4

Vinyl Chloride

Concen: 2.846 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005898.D

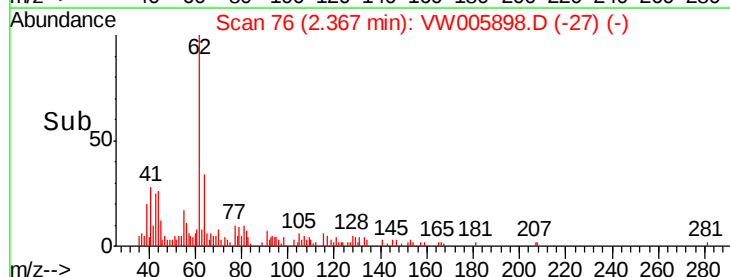
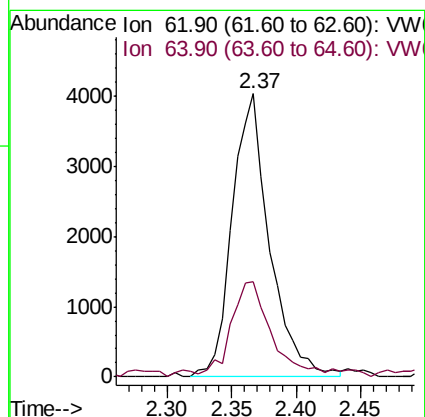
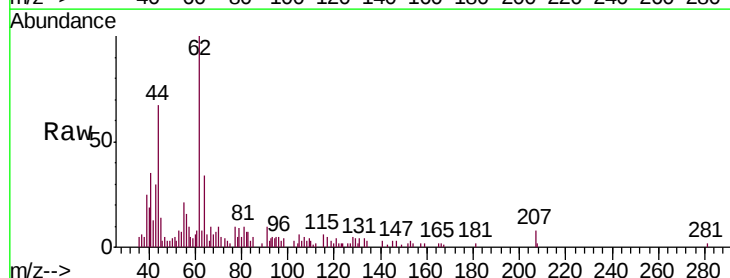
Acq: 08 Oct 2018 16:25

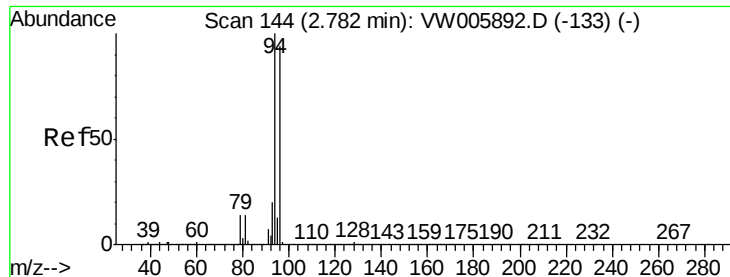
Tgt Ion: 62 Resp: 8198

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 2.973 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

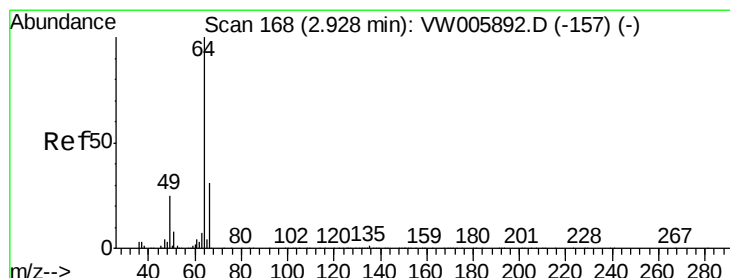
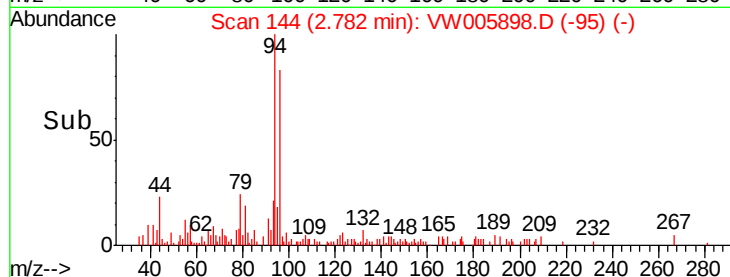
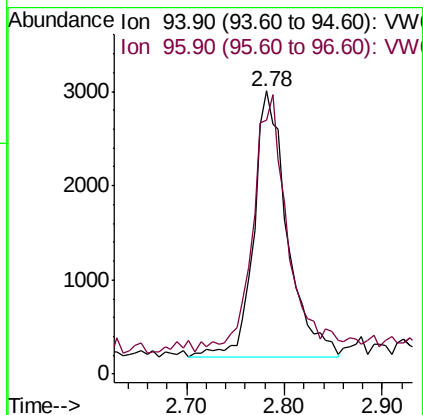
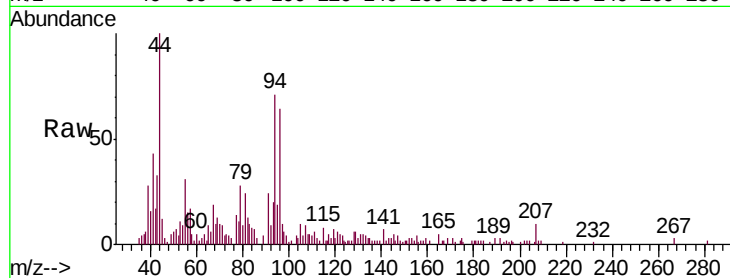
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 94 Resp: 6759

Ion Ratio Lower Upper

94 100

96 83.0 75.0 112.4



#6

Chloroethane

Concen: 2.565 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005898.D

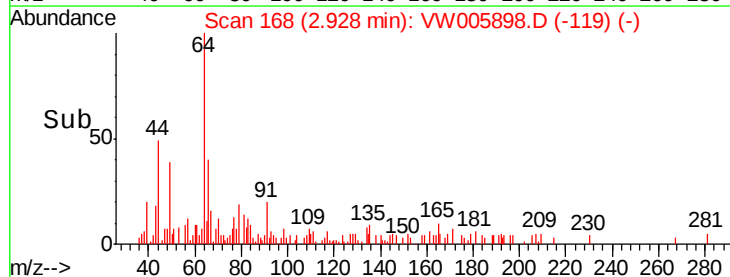
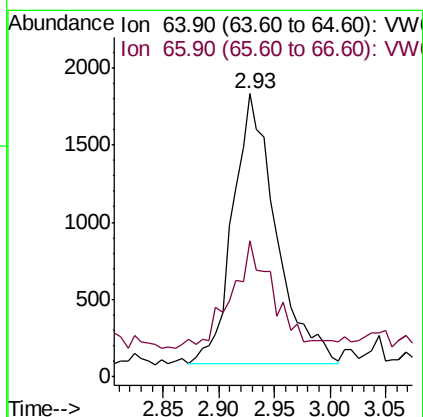
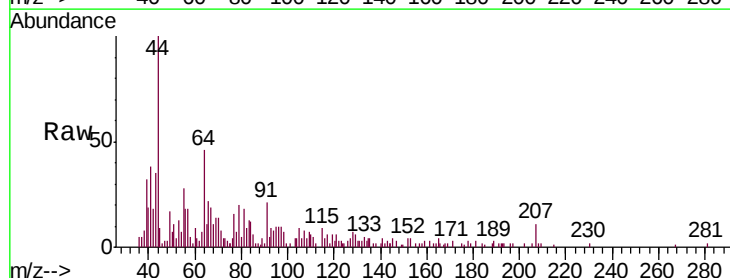
Acq: 08 Oct 2018 16:25

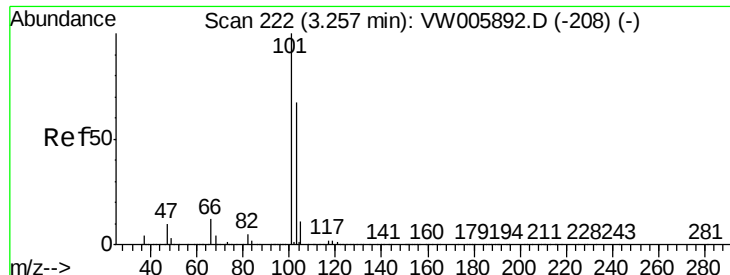
Tgt Ion: 64 Resp: 4708

Ion Ratio Lower Upper

64 100

66 37.6 25.0 37.4#



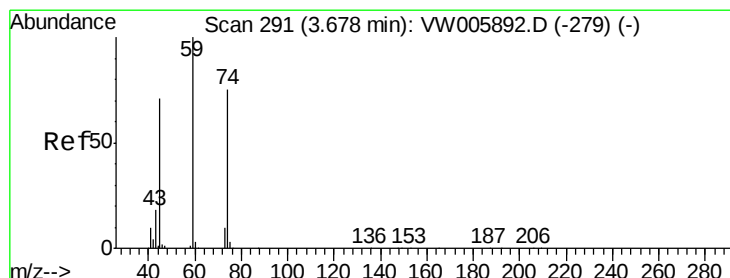
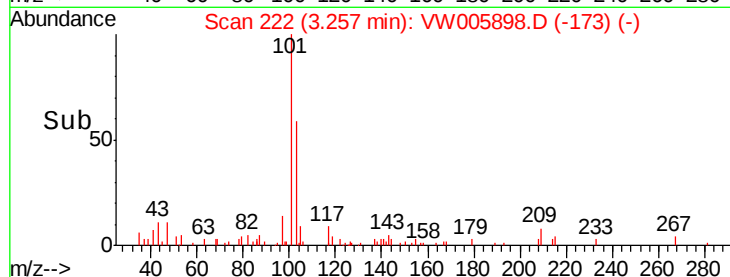
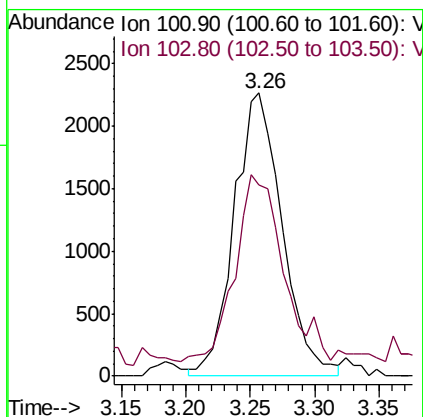
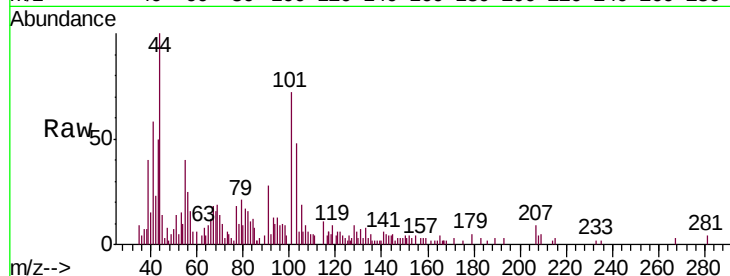


#7

Trichlorofluoromethane
Concen: 2.558 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
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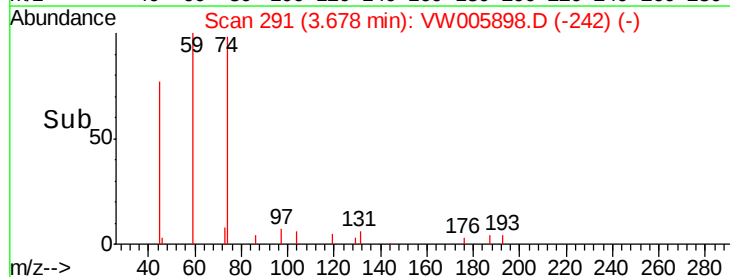
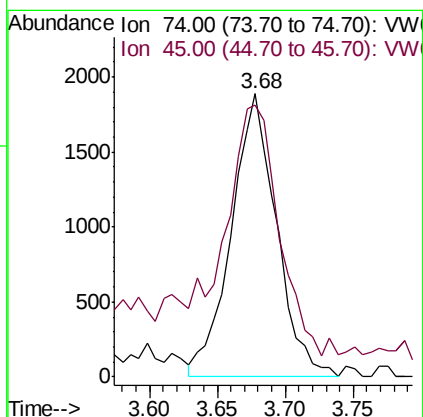
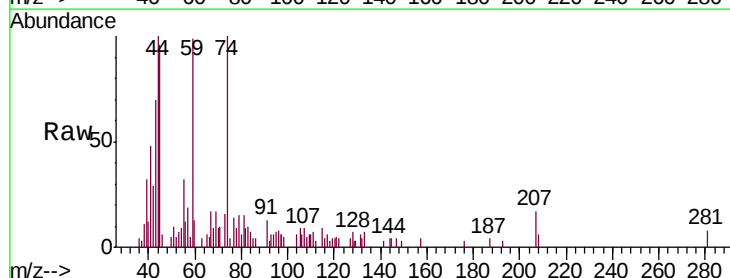
Tgt Ion: 101 Resp: 5849
Ion Ratio Lower Upper
101 100
103 62.4 53.5 80.3

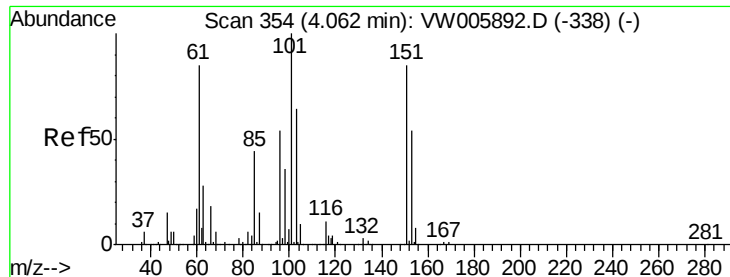


#8

Diethyl Ether
Concen: 3.113 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 74 Resp: 4381
Ion Ratio Lower Upper
74 100
45 105.1 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.606 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005898.D

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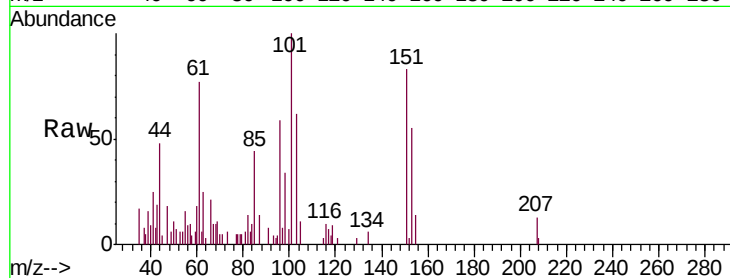
Tgt Ion:101 Resp: 7521

Ion Ratio Lower Upper

101 100

85 43.6 35.1 52.7

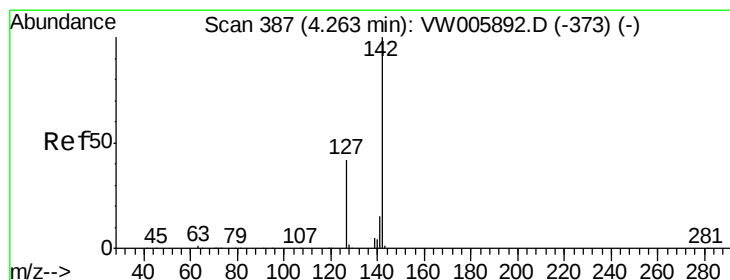
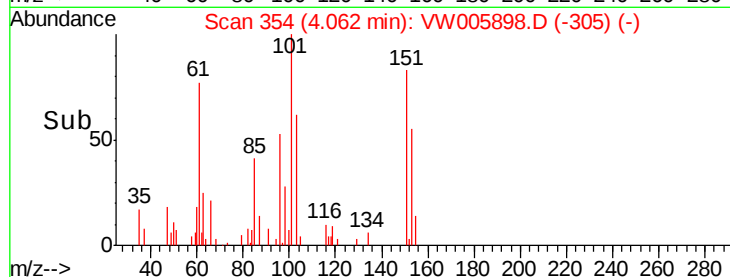
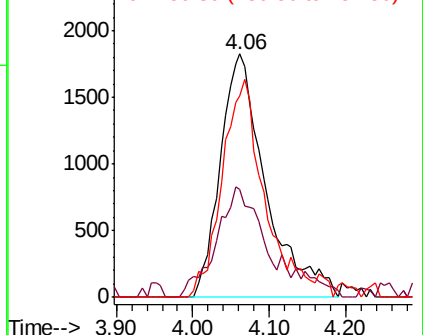
151 82.6 67.7 101.5



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: 2.566 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

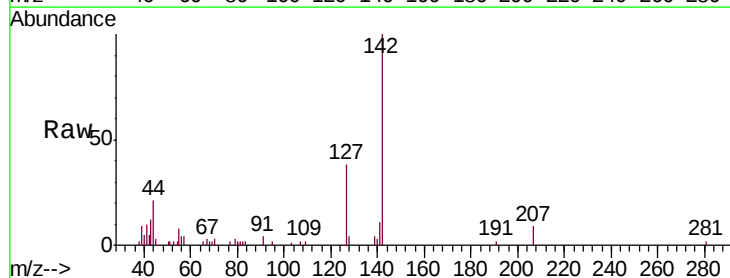
Tgt Ion:142 Resp: 12112

Ion Ratio Lower Upper

142 100

127 39.6 33.7 50.5

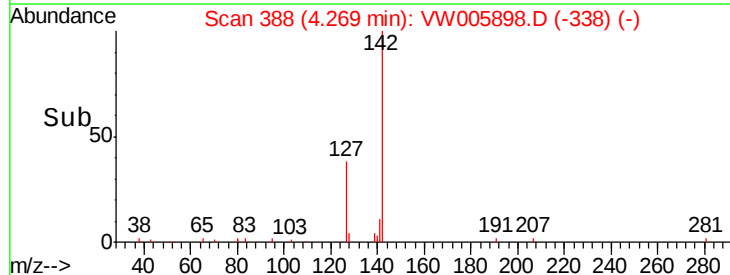
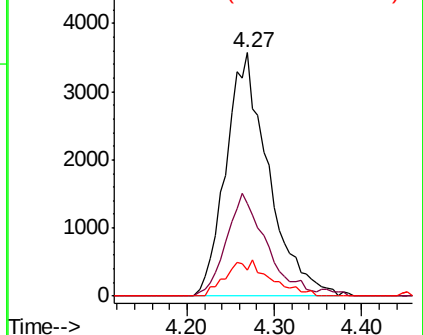
141 15.3 11.5 17.3

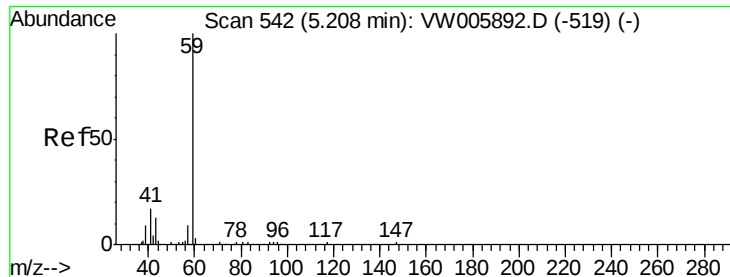


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

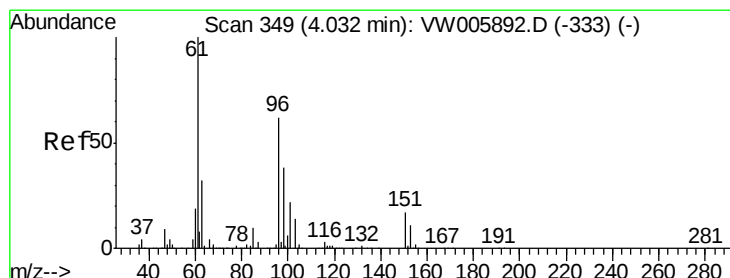
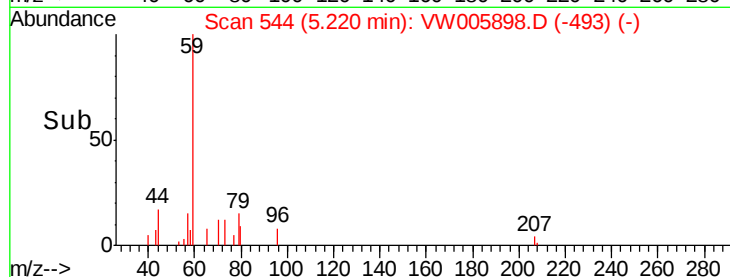
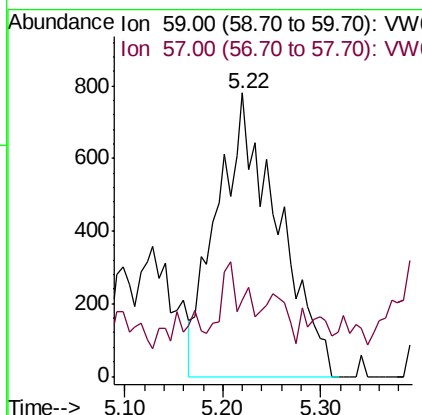
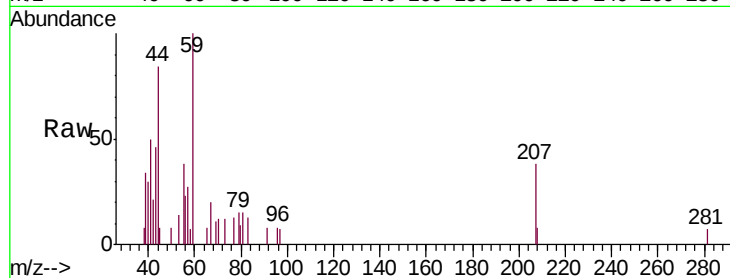




#11
Tert butyl alcohol
Concen: 14.880 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

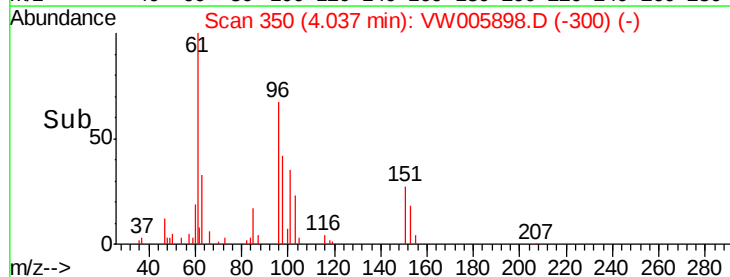
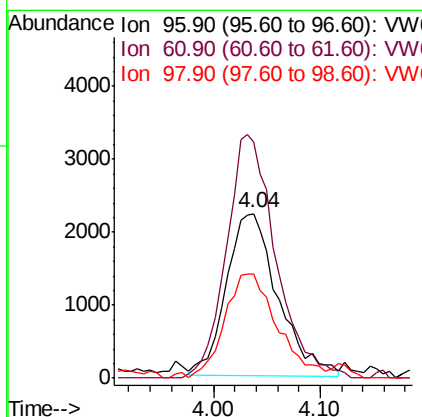
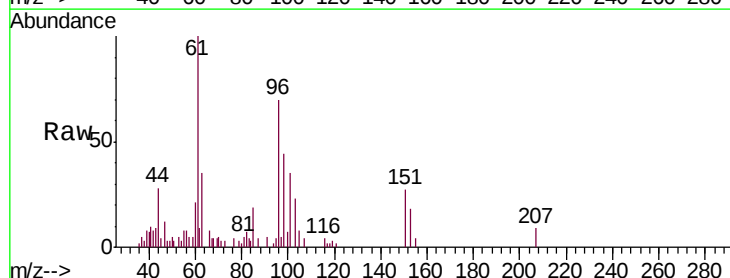
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

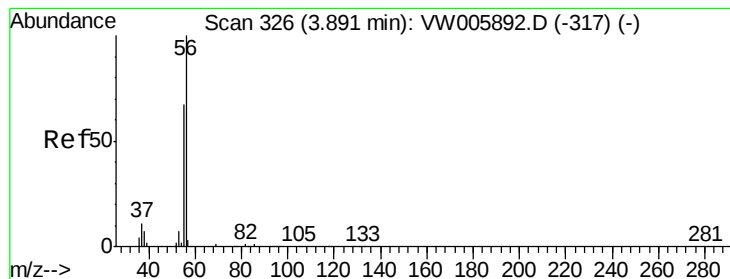
Tgt Ion: 59 Resp: 3333
Ion Ratio Lower Upper
59 100
57 6.3 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 2.749 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 96 Resp: 7618
Ion Ratio Lower Upper
96 100
61 146.5 128.6 193.0
98 65.4 49.4 74.0





#13

Acrolein

Concen: 14.504 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

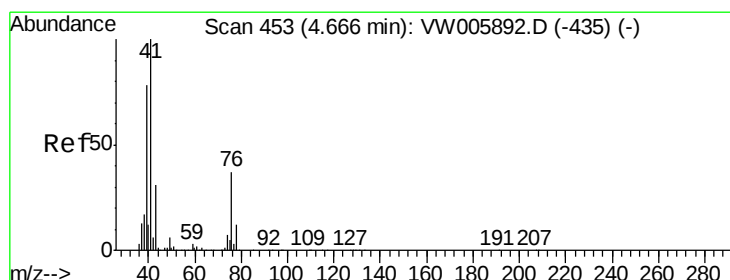
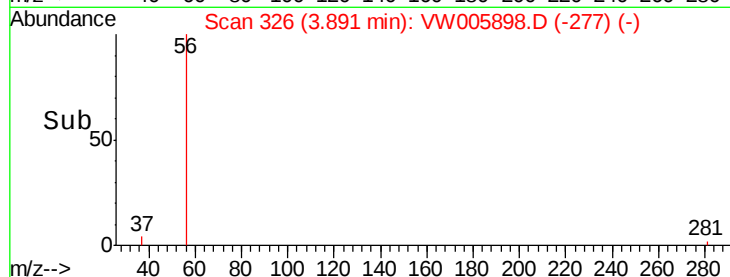
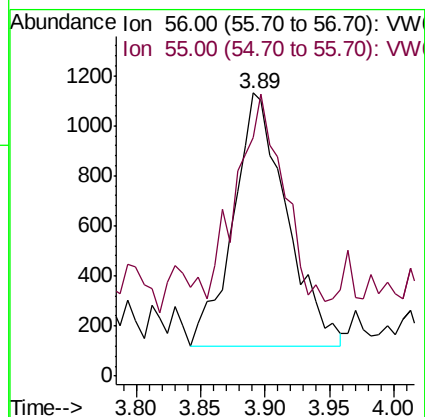
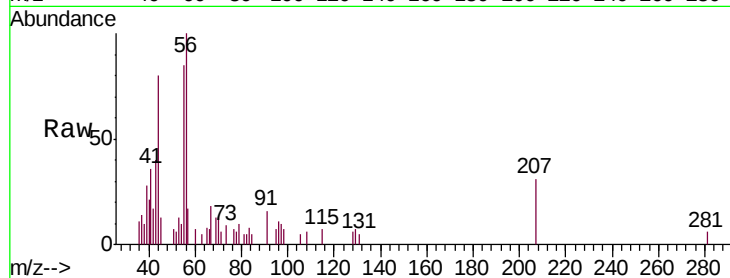
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 56 Resp: 2895

Ion Ratio Lower Upper

56 100

55 70.7 54.6 82.0



#14

Allyl chloride

Concen: 2.409 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

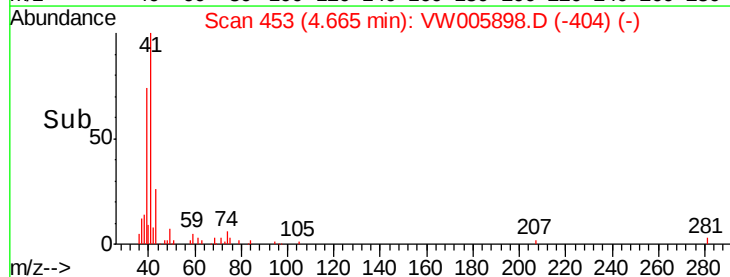
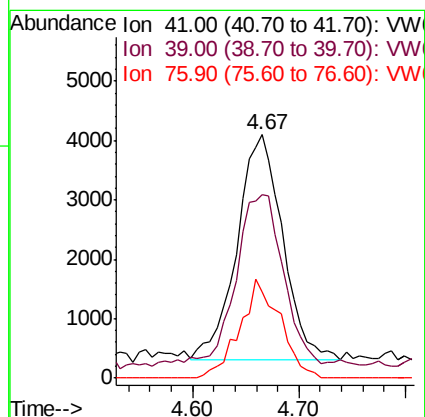
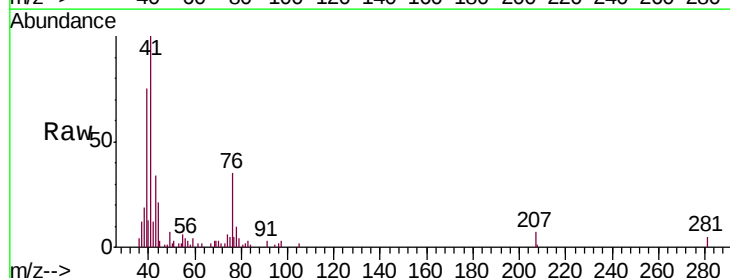
Tgt Ion: 41 Resp: 11384

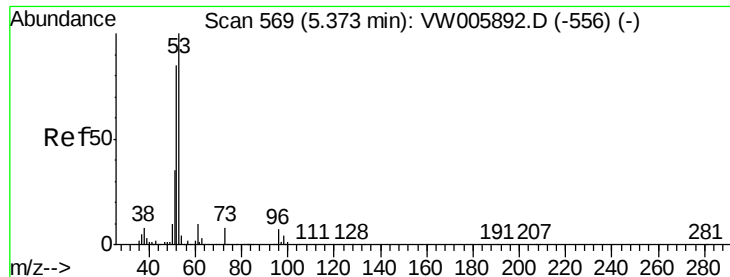
Ion Ratio Lower Upper

41 100

39 81.1 60.8 91.2

76 38.7 29.6 44.4





#15

Acrylonitrile

Concen: 13.575 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

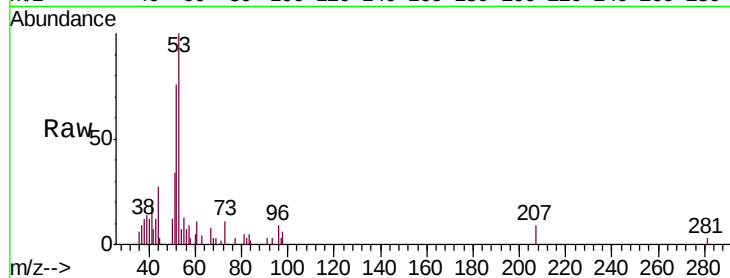
Tgt Ion: 53 Resp: 8315

Ion Ratio Lower Upper

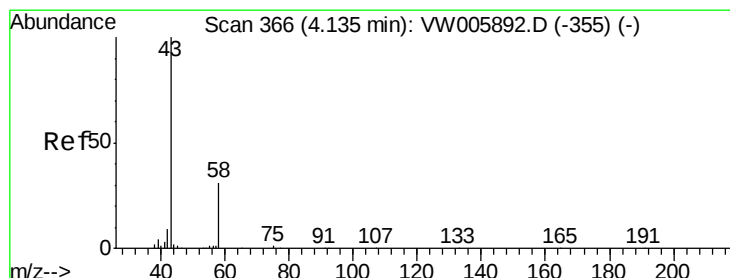
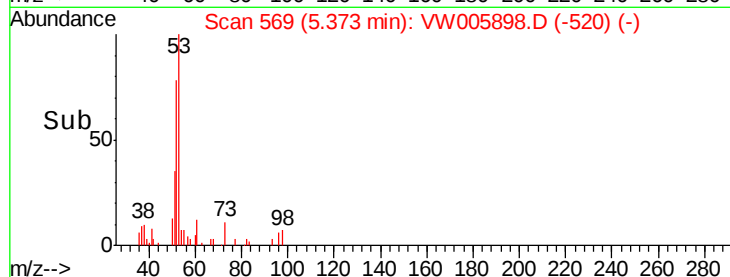
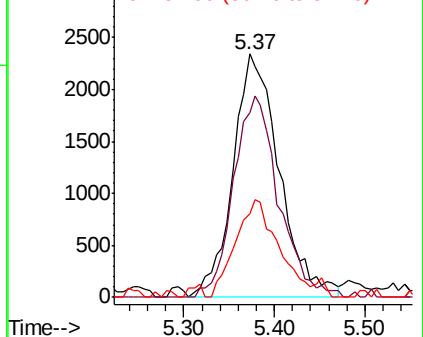
53 100

52 80.6 66.8 100.2

51 37.0 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 17.746 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005898.D

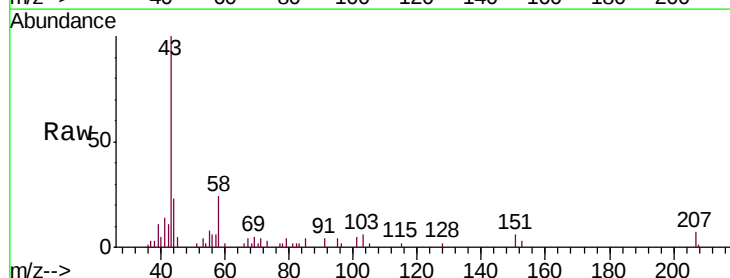
Acq: 08 Oct 2018 16:25

Tgt Ion: 43 Resp: 10833

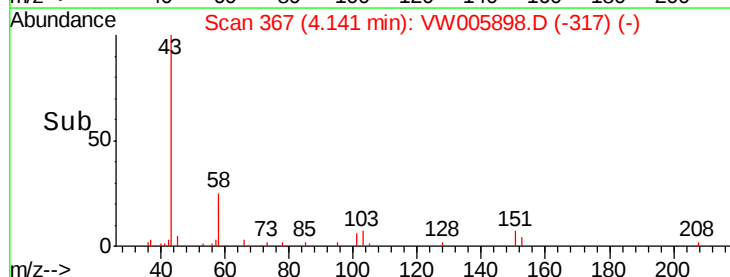
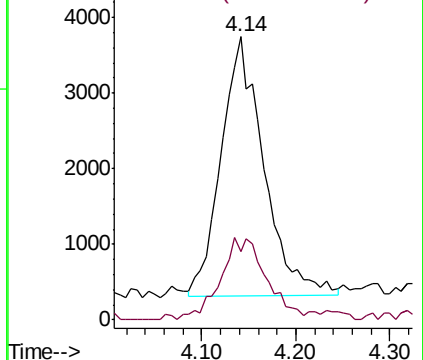
Ion Ratio Lower Upper

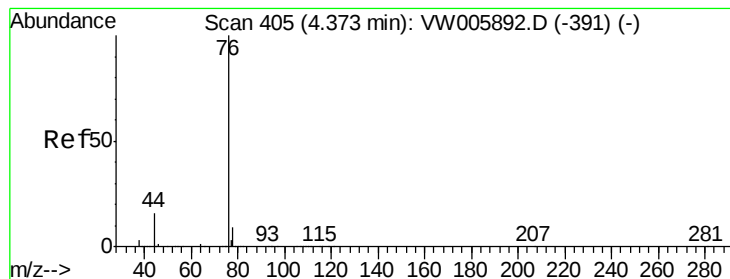
43 100

58 24.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.552 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

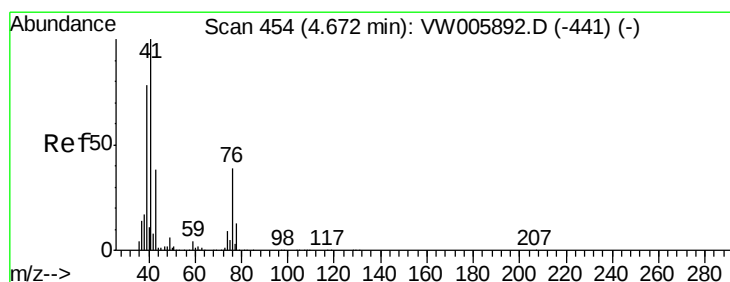
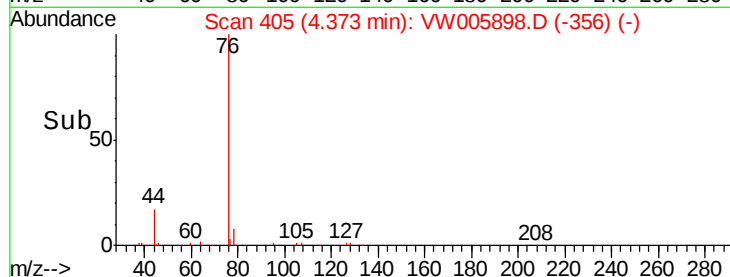
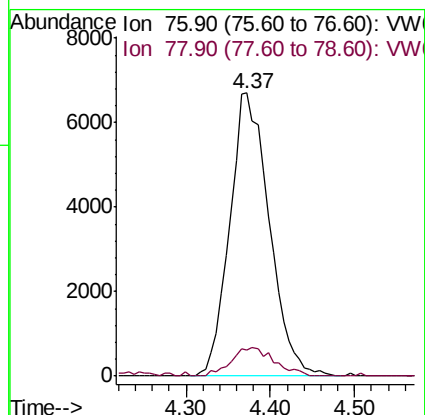
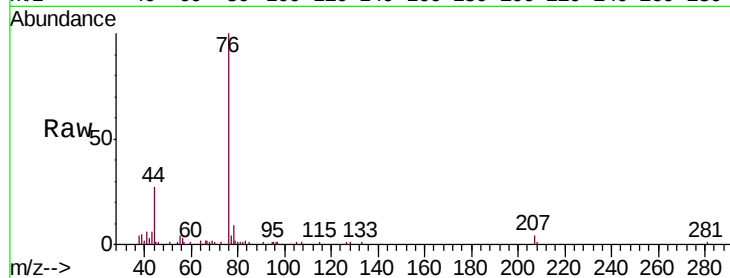
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 76 Resp: 21386

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: 3.105 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW005898.D

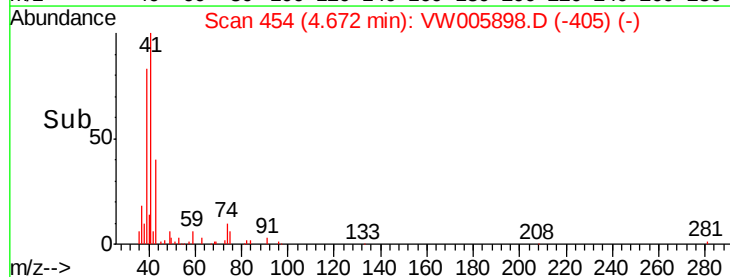
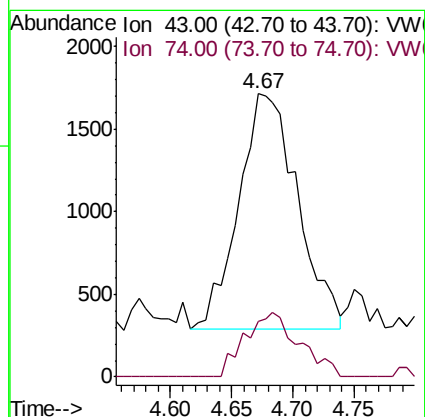
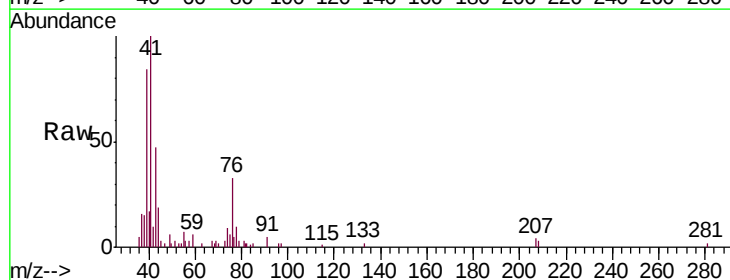
Acq: 08 Oct 2018 16:25

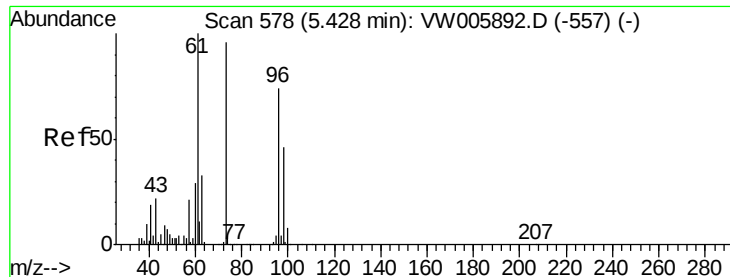
Tgt Ion: 43 Resp: 4783

Ion Ratio Lower Upper

43 100

74 25.3 19.2 28.8



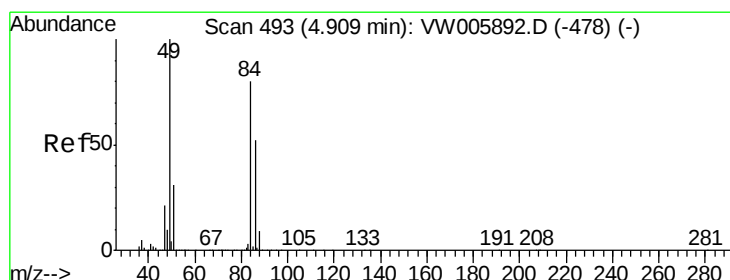
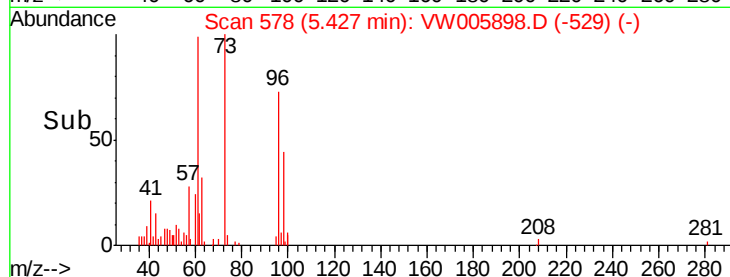
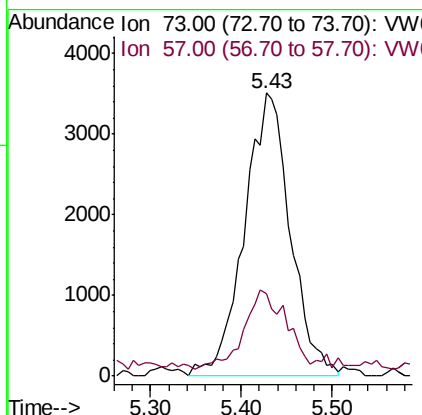
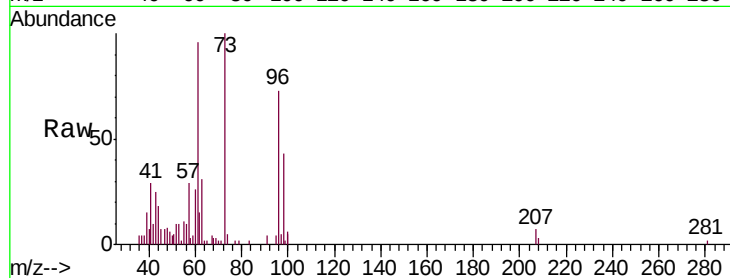


#19

Methyl tert-butyl Ether
 Concen: 2.862 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

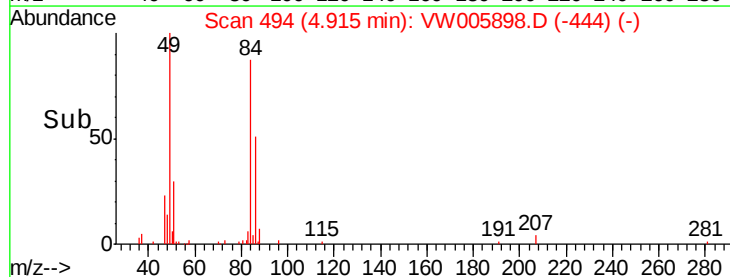
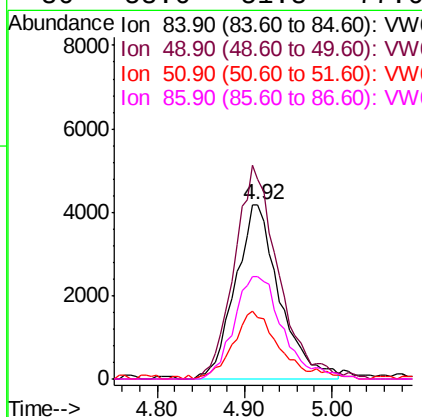
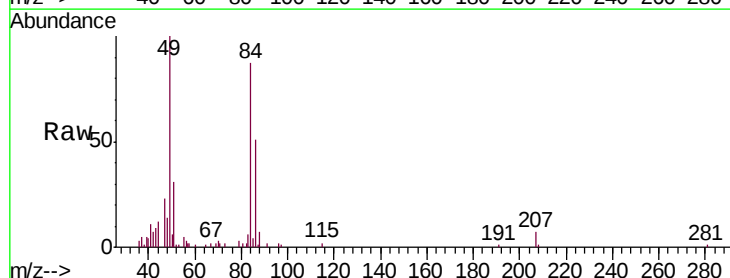
Tgt Ion: 73 Resp: 12338
 Ion Ratio Lower Upper
 73 100
 57 25.5 17.7 26.5

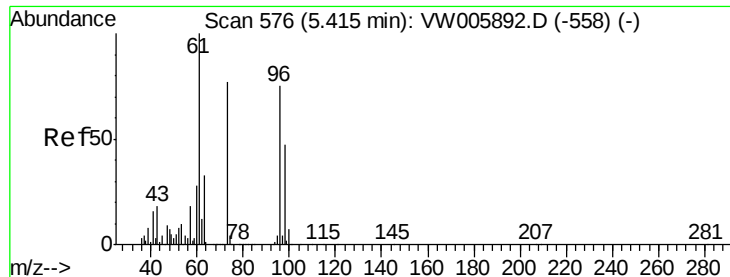


#20

Methylene Chloride
 Concen: 4.793 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 84 Resp: 14659
 Ion Ratio Lower Upper
 84 100
 49 114.3 99.9 149.9
 51 33.4 31.1 46.7
 86 58.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 2.872 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

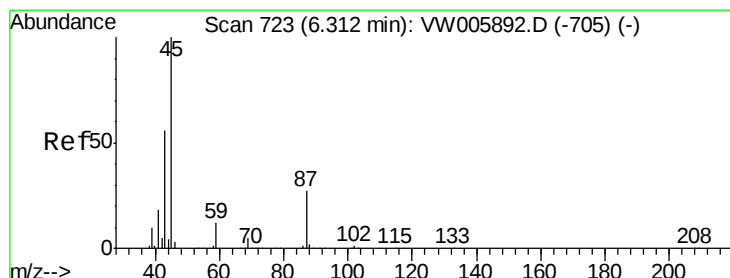
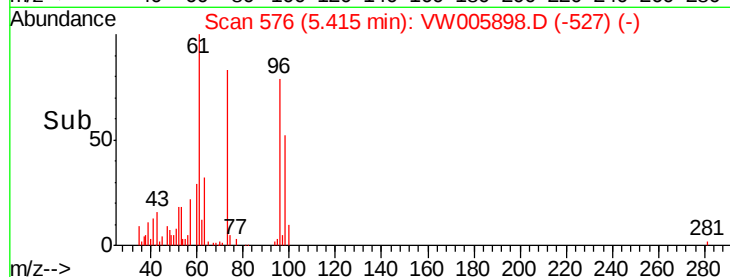
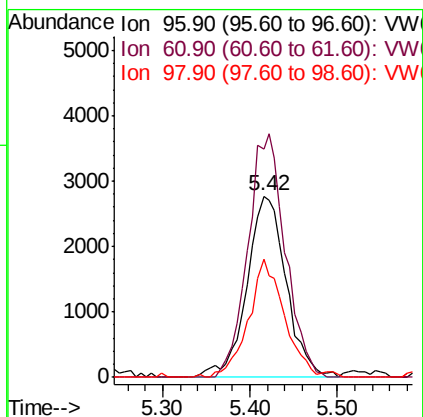
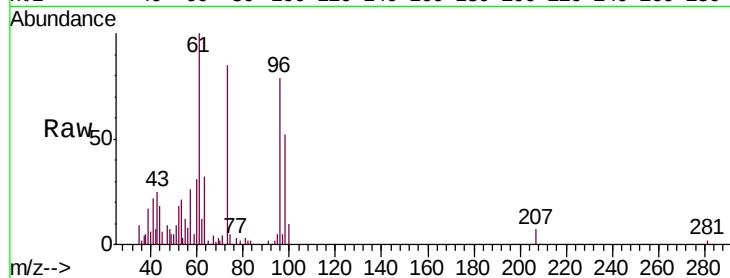
Tgt Ion: 96 Resp: 8675

Ion Ratio Lower Upper

96 100

61 126.0 107.4 161.0

98 65.5 50.8 76.2



#22

Diisopropyl ether

Concen: 2.490 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion: 45 Resp: 22002

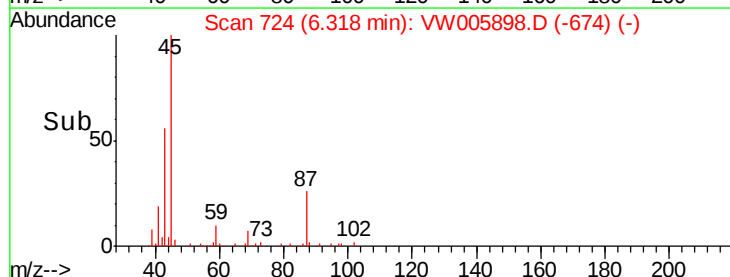
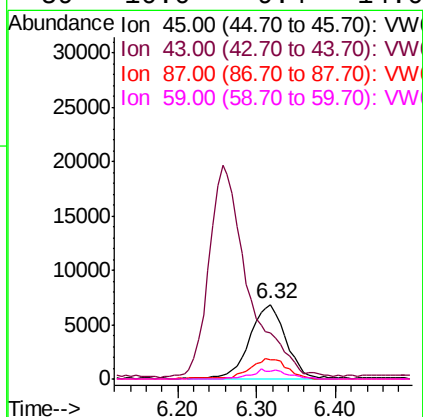
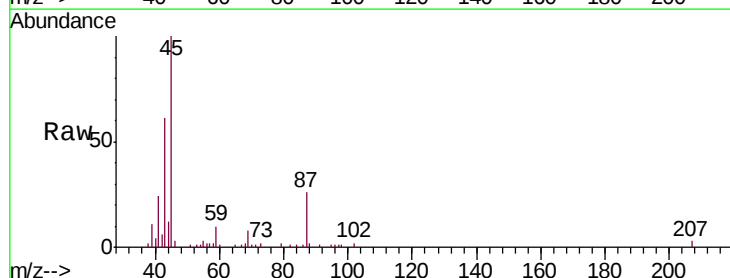
Ion Ratio Lower Upper

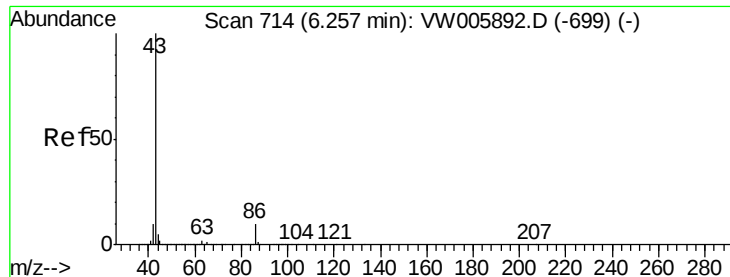
45 100

43 56.0 45.9 68.9

87 26.1 22.2 33.4

59 10.0 9.4 14.0





#23

Vinyl Acetate

Concen: 12.300 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

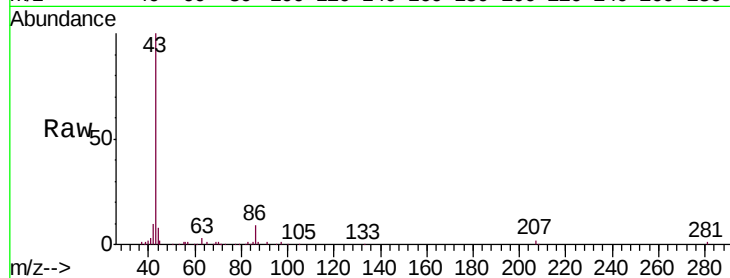
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 66886

Ion Ratio Lower Upper

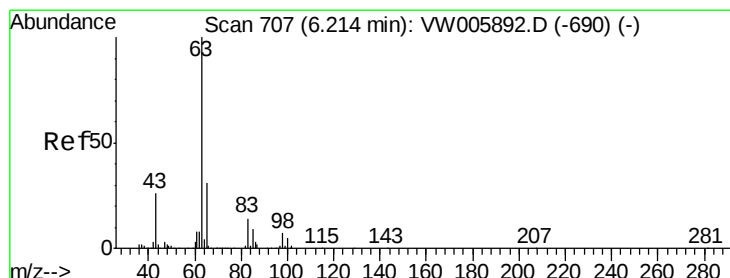
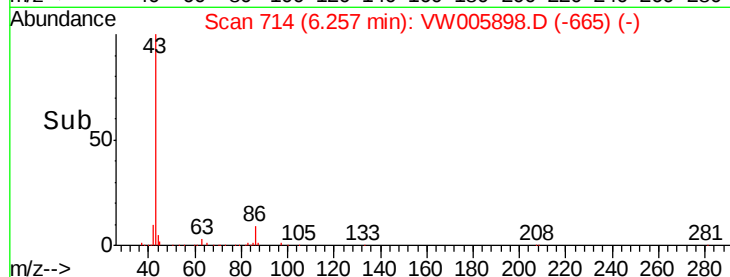
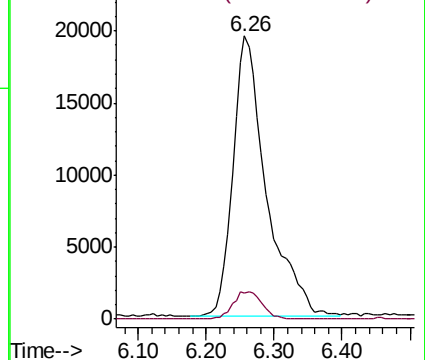
43 100

86 9.2 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 2.518 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

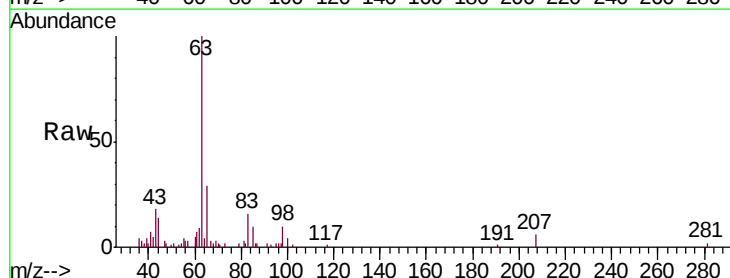
Tgt Ion: 63 Resp: 13614

Ion Ratio Lower Upper

63 100

98 9.9 3.5 10.6

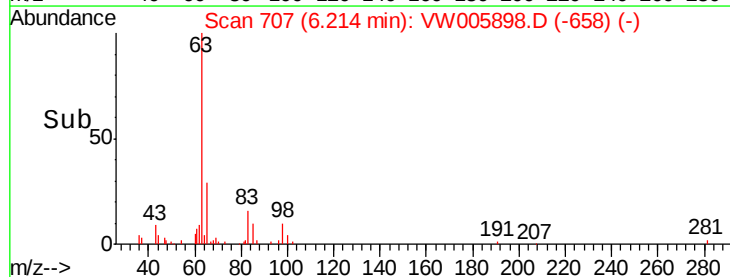
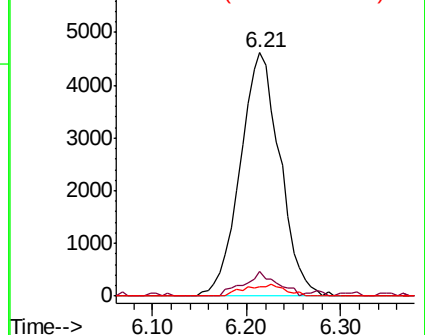
100 4.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

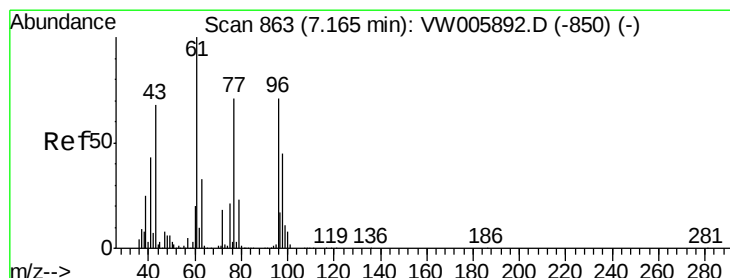
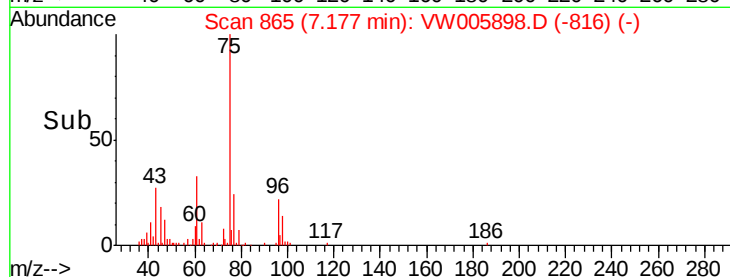
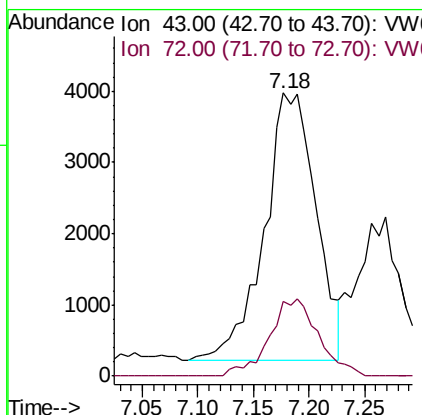
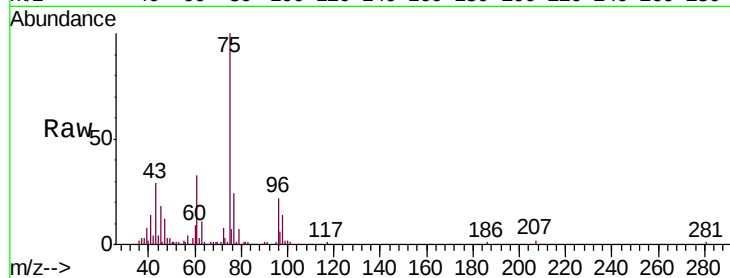




#25
2-Butanone
Concen: 13.966 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

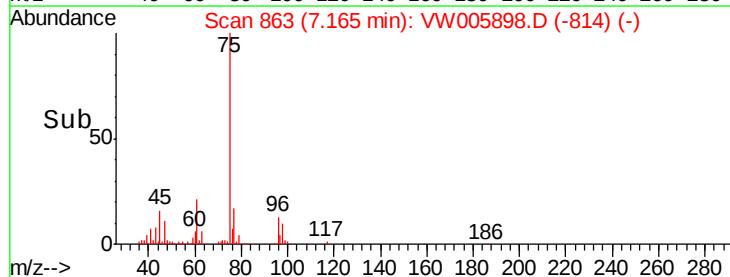
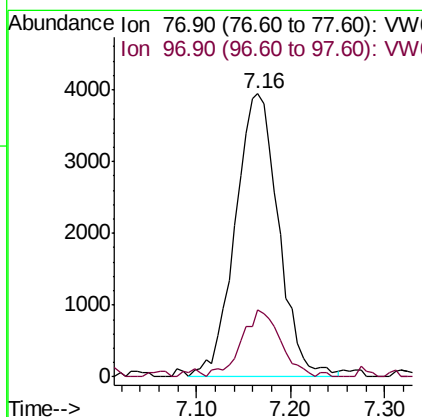
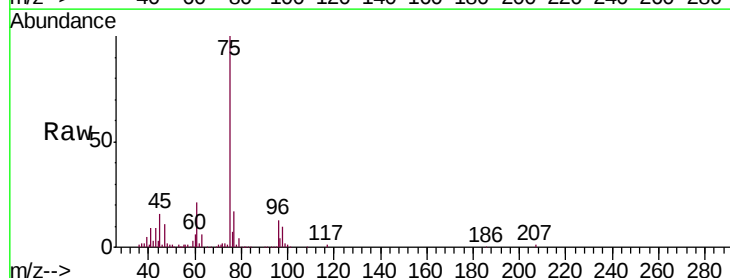
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 12126
Ion Ratio Lower Upper
43 100
72 27.8 21.0 31.4



#26
2,2-Dichloropropane
Concen: 3.335 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 77 Resp: 12690
Ion Ratio Lower Upper
77 100
97 21.2 11.9 35.7



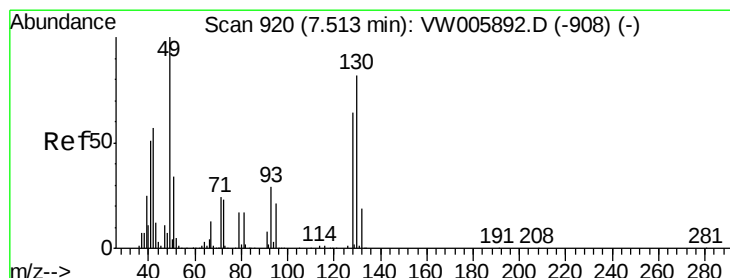
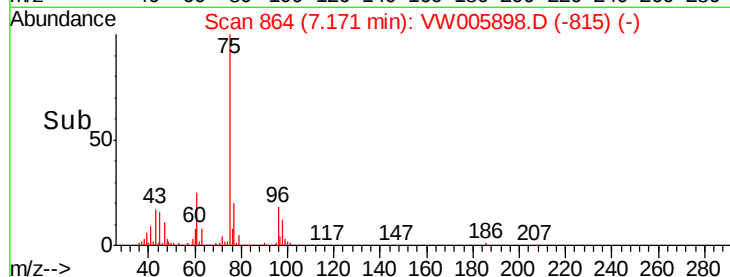
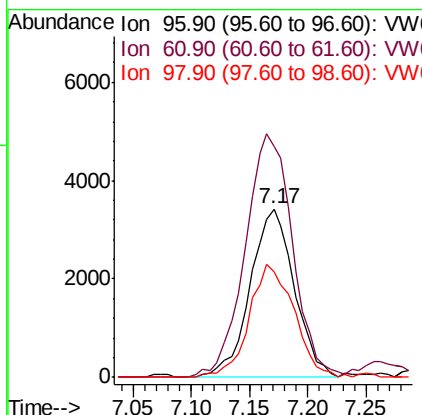
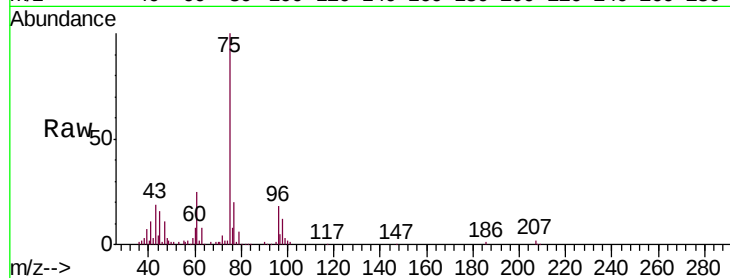


#27

cis-1,2-Dichloroethene
 Concen: 2.634 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

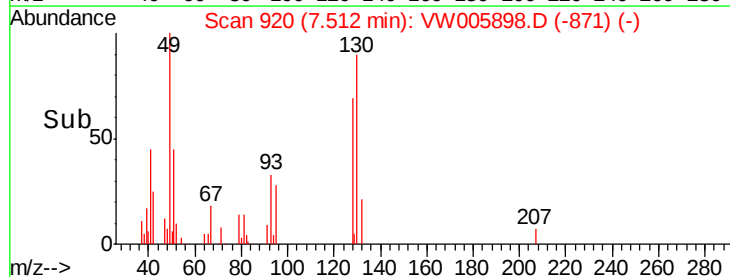
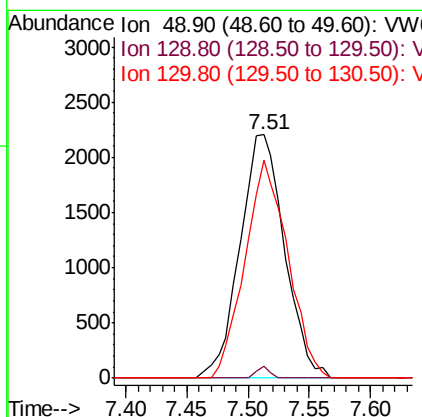
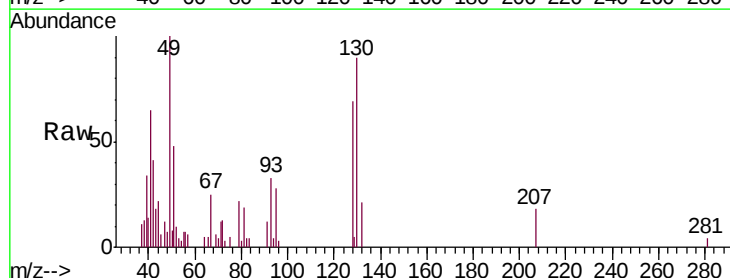
Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	284.0
98	68.2	0.0	129.8

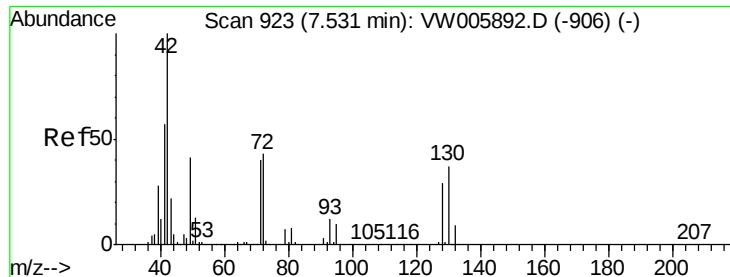


#28

Bromochloromethane
 Concen: 2.799 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.0
130	86.3	66.9	100.3





#29

Tetrahydrofuran

Concen: 14.295 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

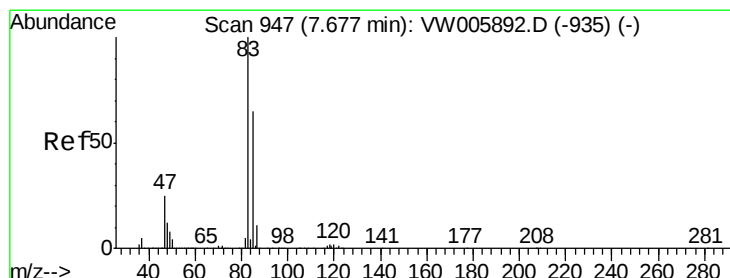
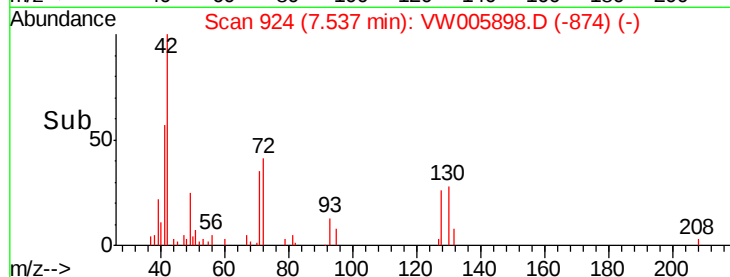
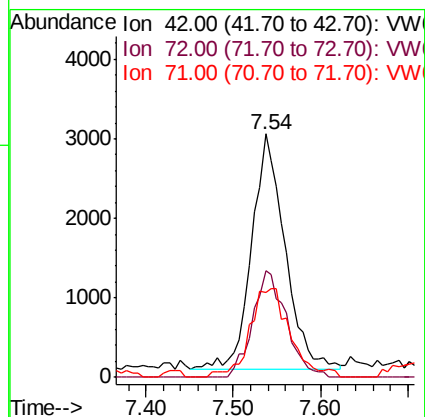
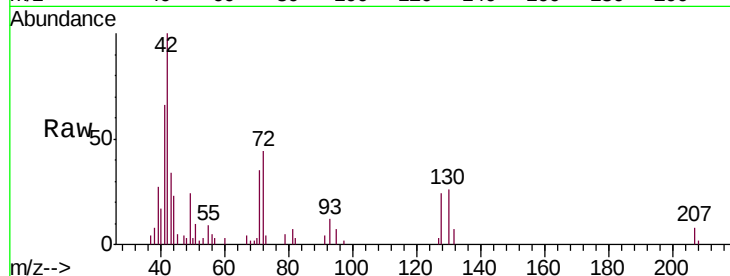
Tgt Ion: 42 Resp: 7846

Ion Ratio Lower Upper

42 100

72 45.4 34.6 51.8

71 45.7 32.6 49.0



#30

Chloroform

Concen: 2.627 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005898.D

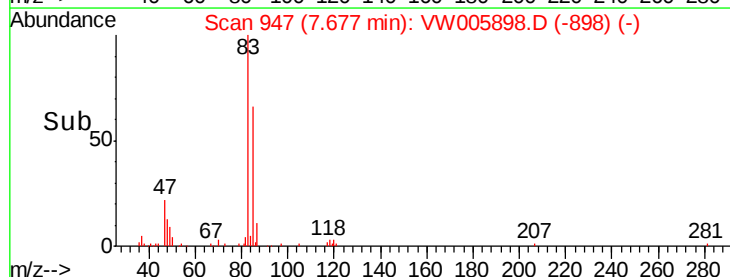
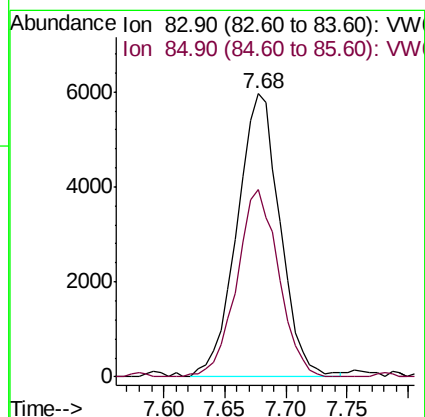
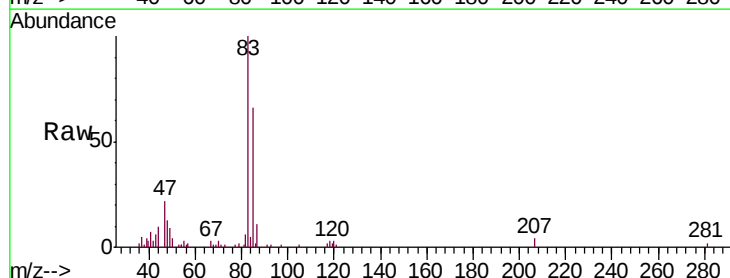
Acq: 08 Oct 2018 16:25

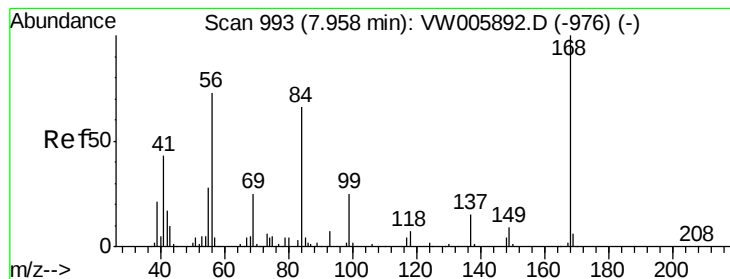
Tgt Ion: 83 Resp: 14588

Ion Ratio Lower Upper

83 100

85 66.1 51.6 77.4





#31

Cyclohexane

Concen: 3.552 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleID :

LOD-MDL-SOIL-01-QT4-2018DL

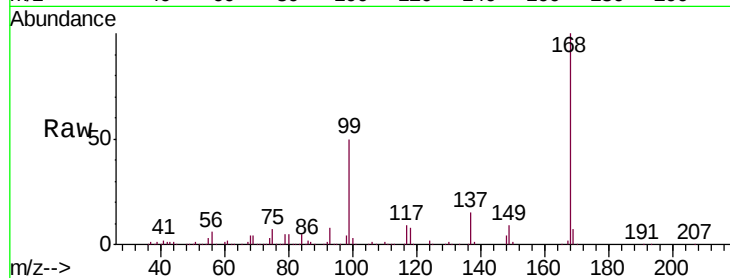
Tgt Ion: 56 Resp: 19007

Ion Ratio Lower Upper

56 100

69 79.4 27.9 41.9#

84 97.4 72.3 108.5

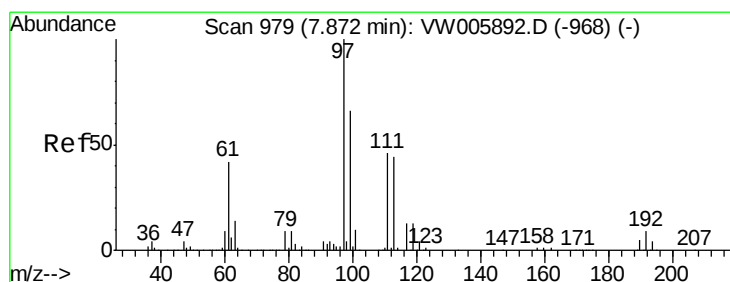
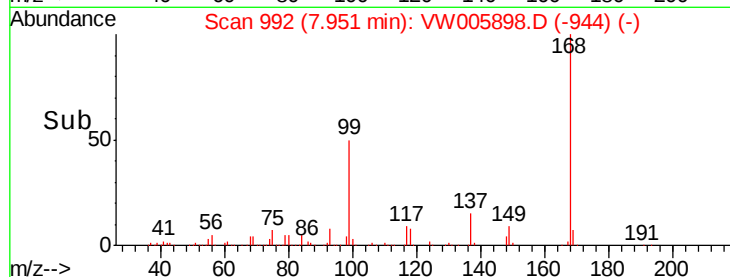
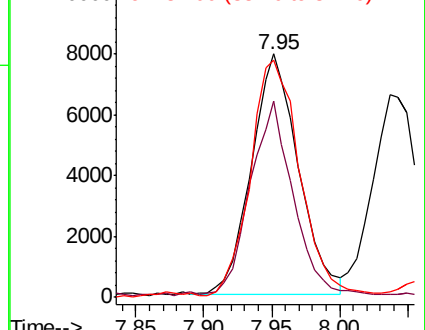


Abundance

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: 2.610 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

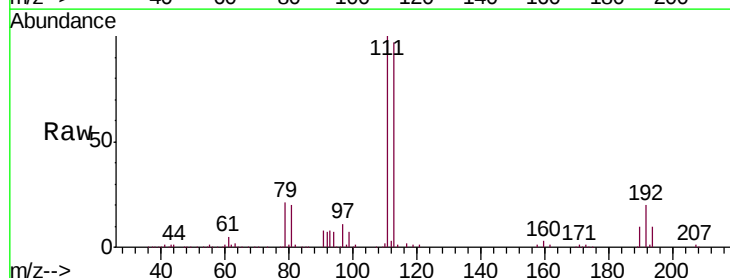
Tgt Ion: 97 Resp: 12908

Ion Ratio Lower Upper

97 100

99 59.3 51.6 77.4

61 39.0 34.5 51.7

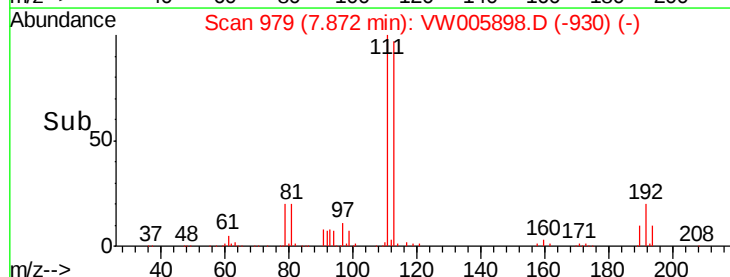
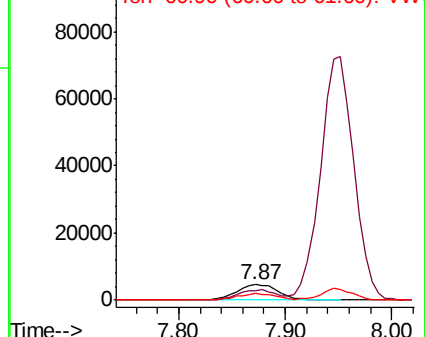


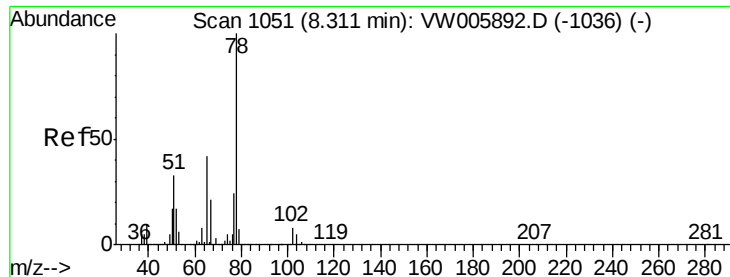
Abundance

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

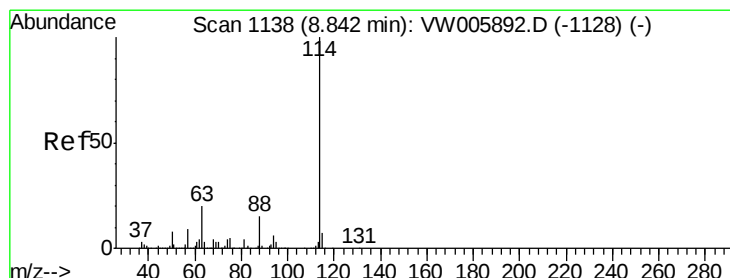
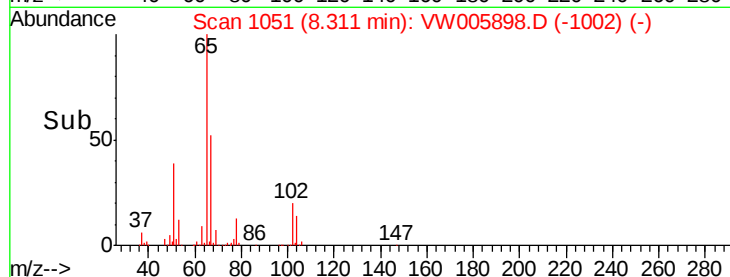
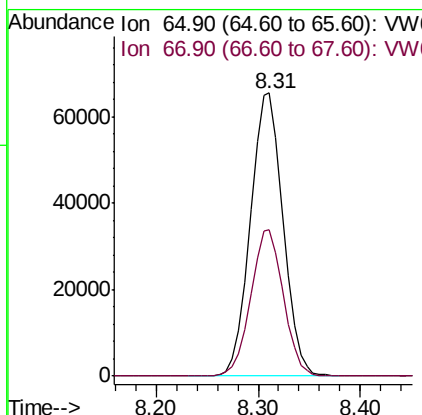
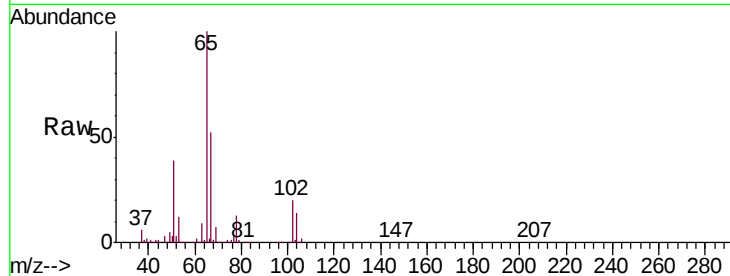




#33
 1,2-Dichloroethane-d4
 Concen: 47.817 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

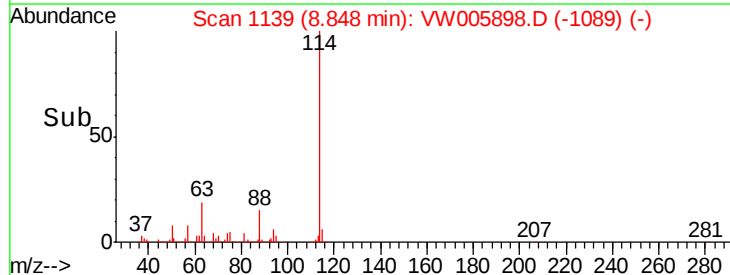
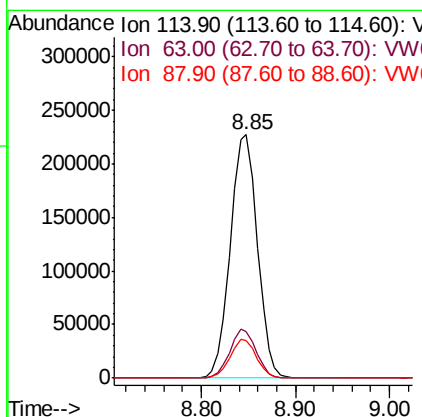
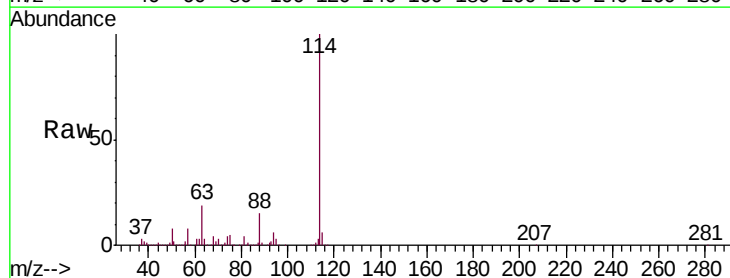
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

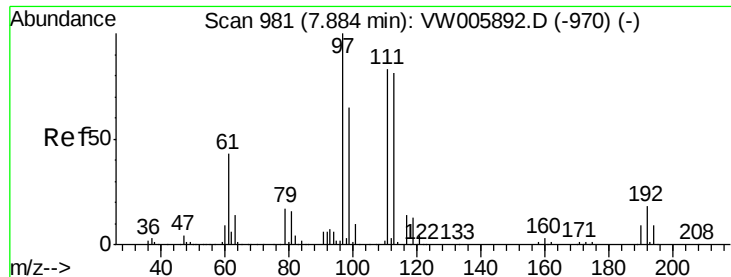
Tgt Ion: 65 Resp: 146141
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 114 Resp: 453386
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.2 0.0 30.8

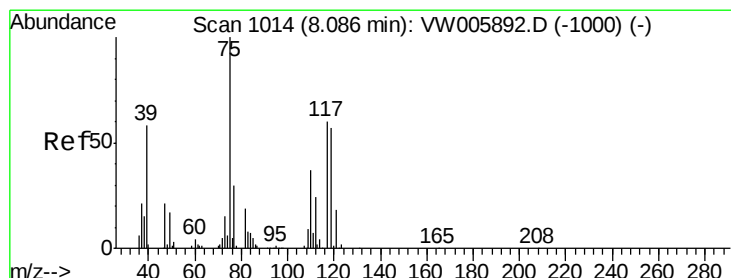
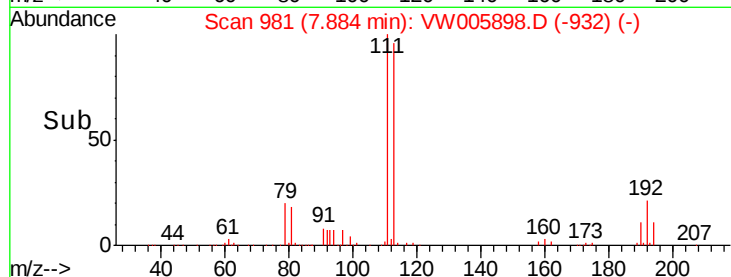
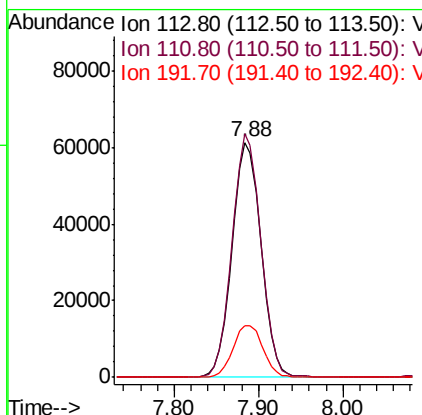
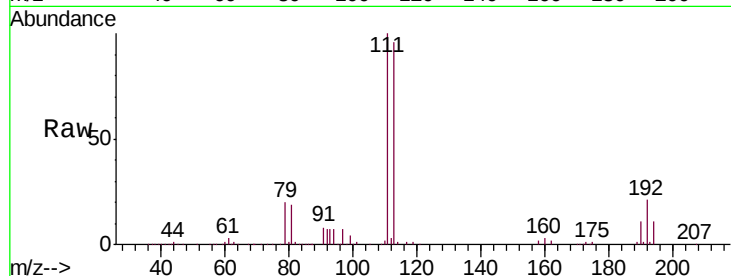




#35
 Dibromofluoromethane
 Concen: 49.381 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

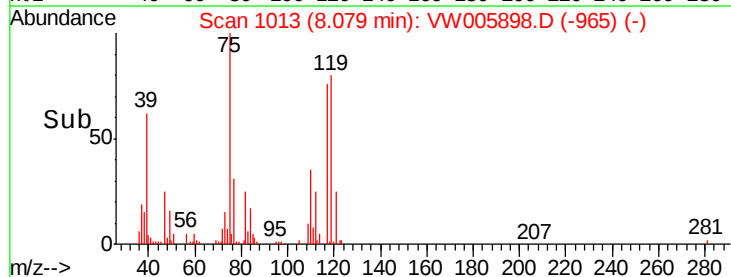
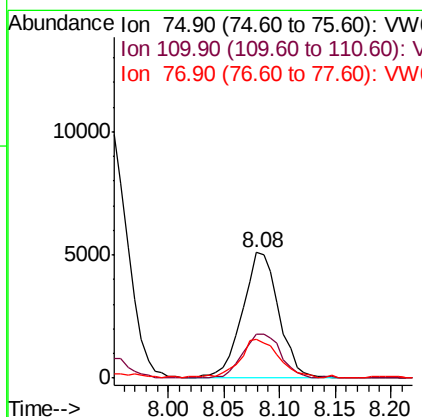
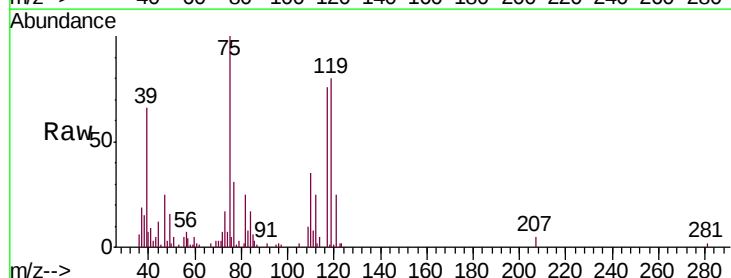
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	22.6	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 2.666 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	56.0
77	33.9	24.7	37.1

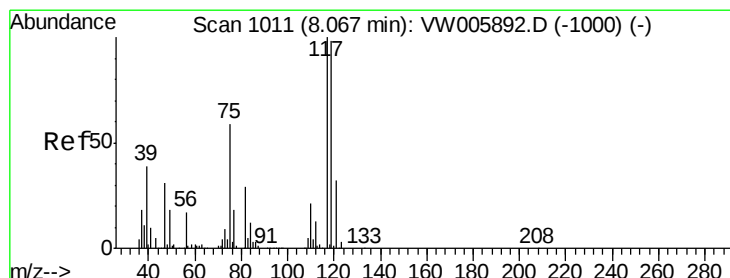
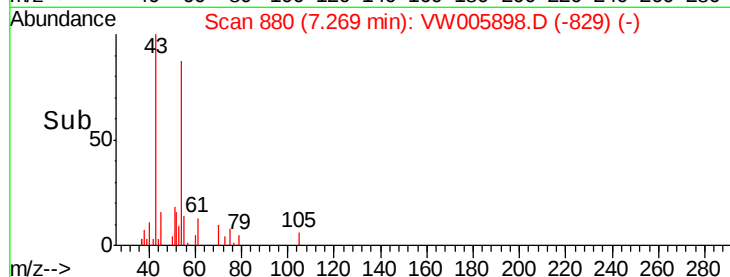
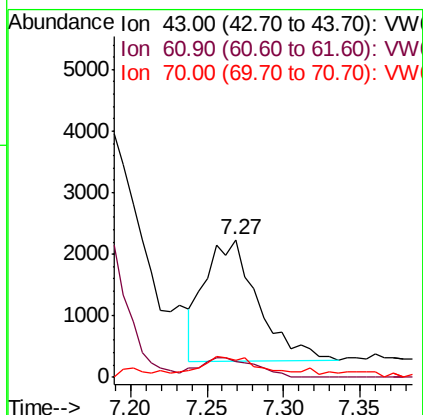
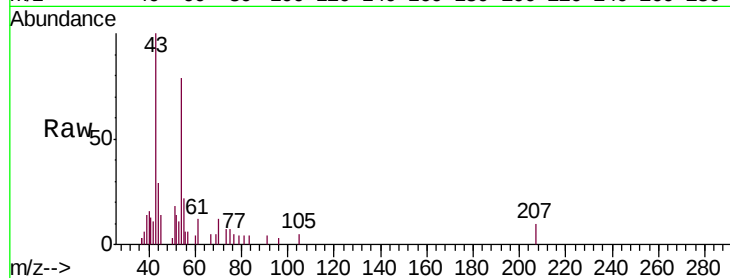




#37
Ethyl Acetate
Concen: 2.586 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

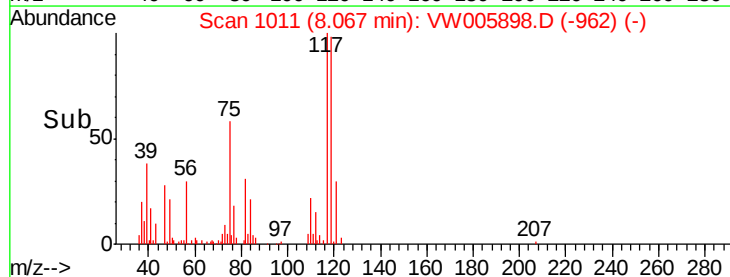
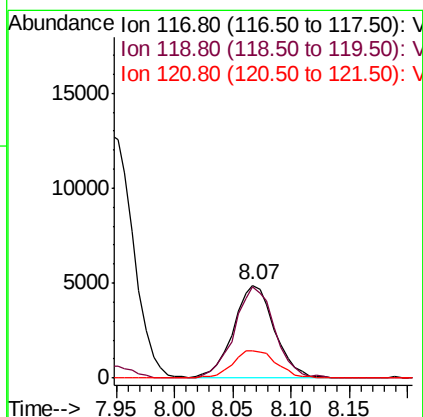
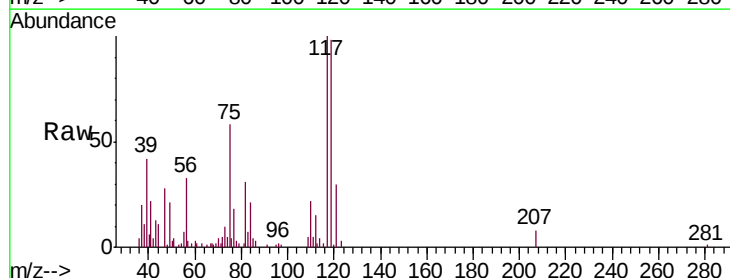
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

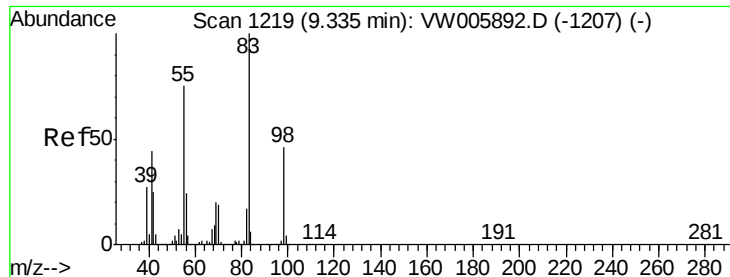
Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
61 16.9 10.6 16.0#
70 11.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 2.570 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 117 Resp: 11997
Ion Ratio Lower Upper
117 100
119 97.8 78.6 117.8
121 29.7 25.3 37.9

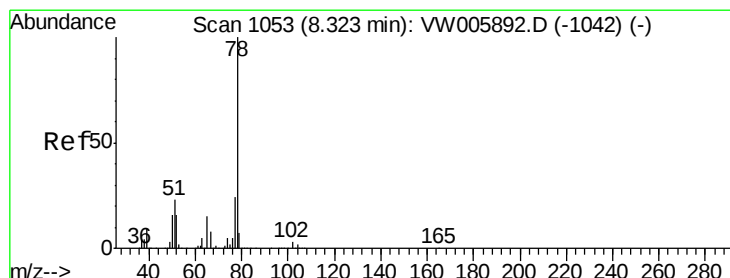
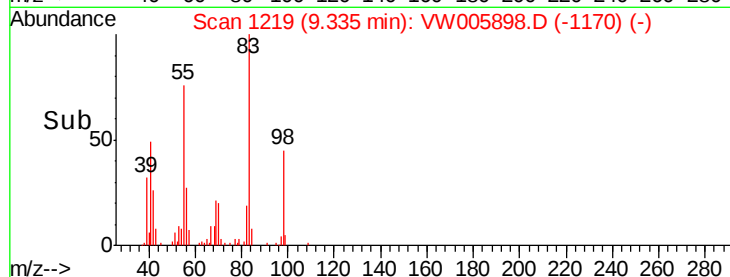
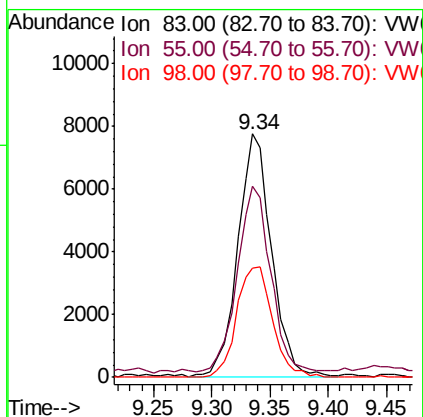
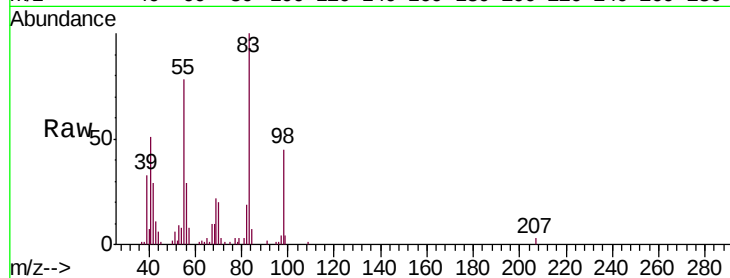




#39
Methylcyclohexane
Concen: 2.748 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

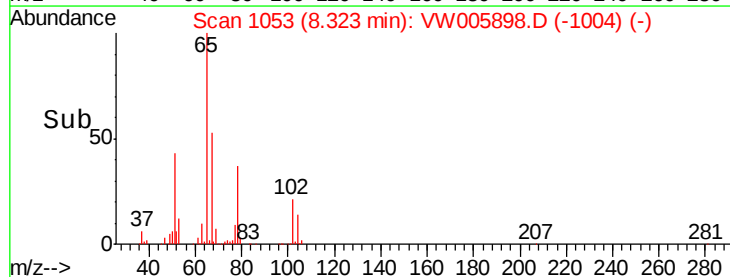
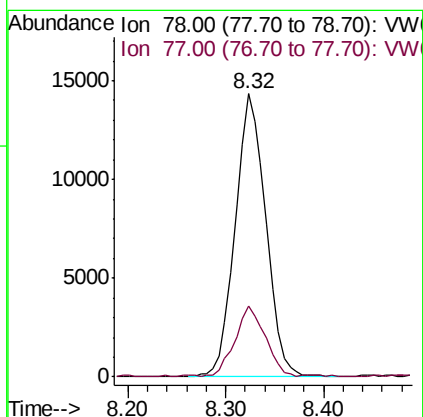
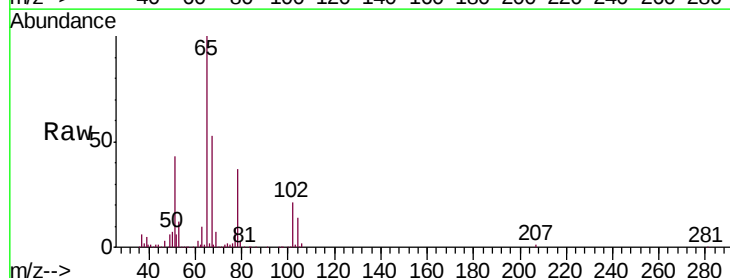
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

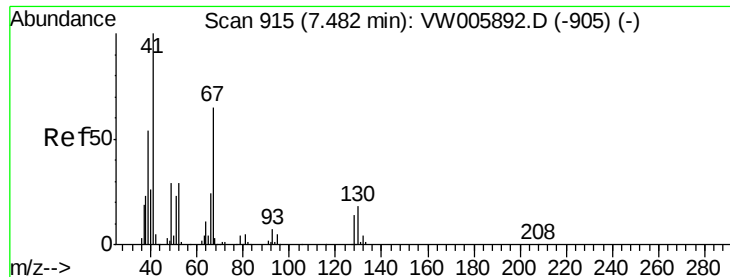
Tgt Ion: 83 Resp: 15748
Ion Ratio Lower Upper
83 100
55 75.7 59.8 89.6
98 44.8 37.1 55.7



#40
Benzene
Concen: 2.615 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 78 Resp: 31094
Ion Ratio Lower Upper
78 100
77 25.1 19.1 28.7





#41

Methacrylonitrile

Concen: 2.474 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 41 Resp: 2849

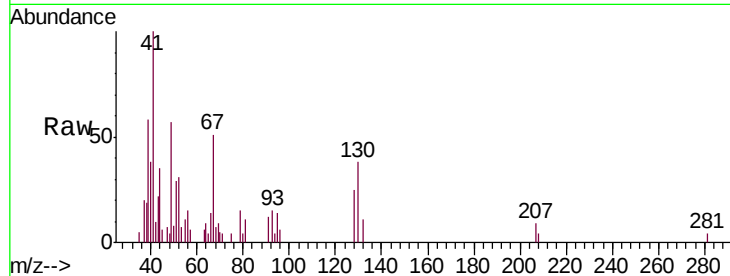
Ion Ratio Lower Upper

41 100

39 67.0 45.0 67.4

67 68.8 55.8 83.8

52 41.9 25.3 37.9#

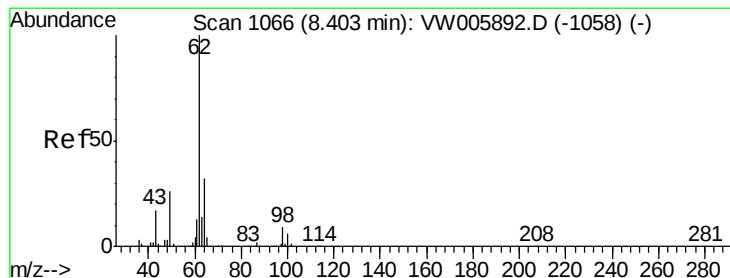
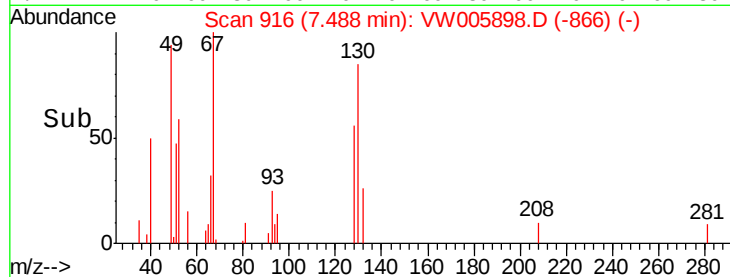
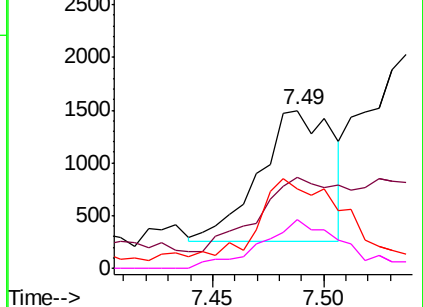


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 2.529 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005898.D

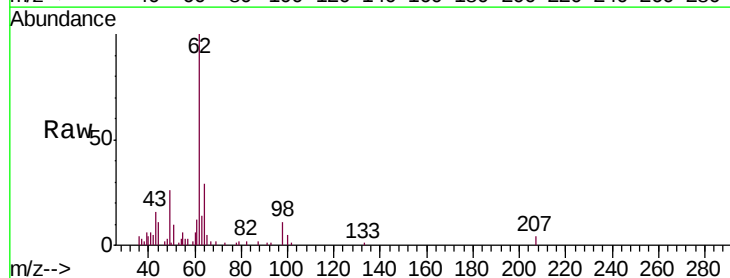
Acq: 08 Oct 2018 16:25

Tgt Ion: 62 Resp: 9083

Ion Ratio Lower Upper

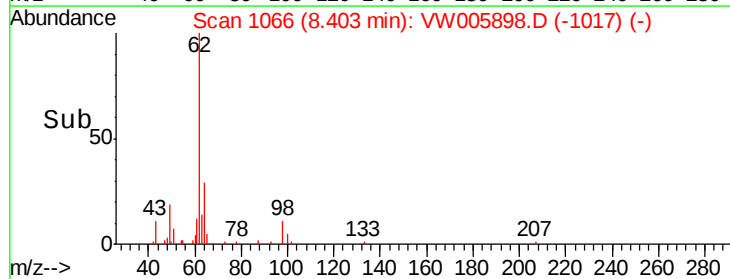
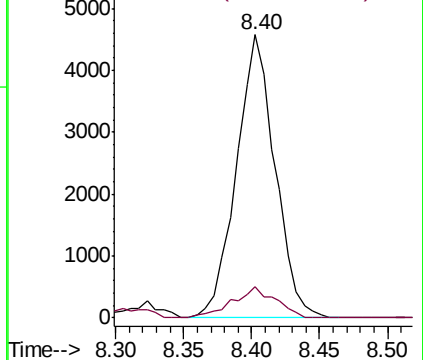
62 100

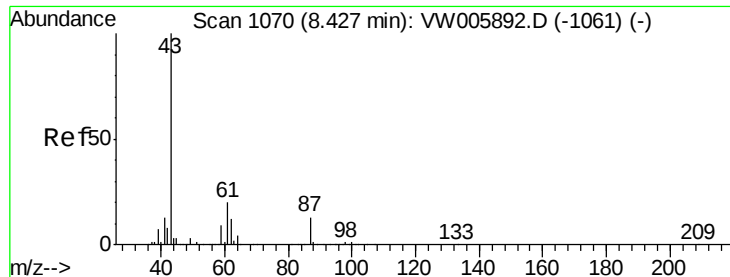
98 12.1 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 2.605 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

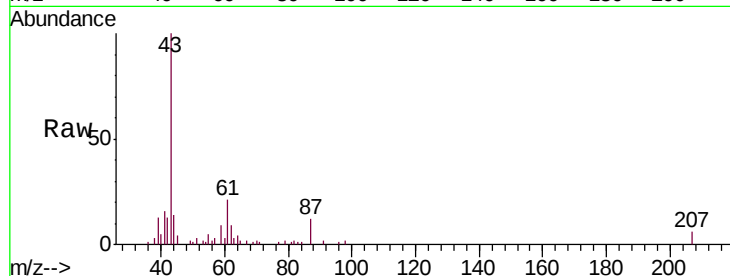
Tgt Ion: 43 Resp: 10011

Ion Ratio Lower Upper

43 100

61 30.8 23.1 34.7

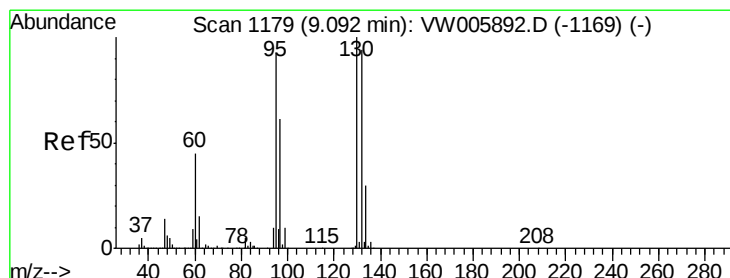
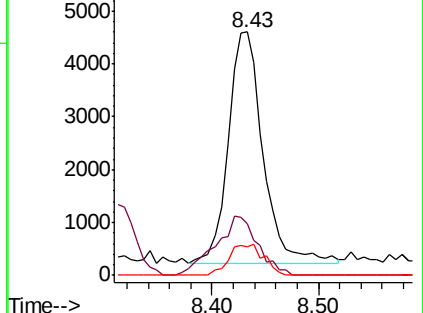
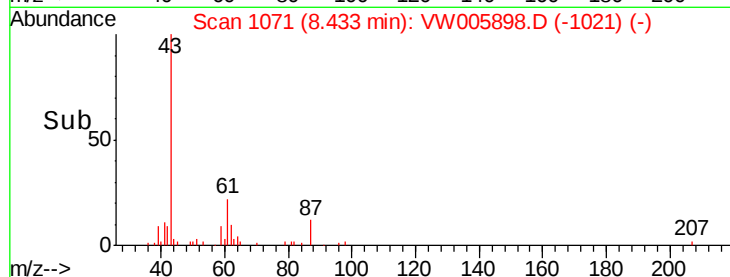
87 13.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 2.760 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005898.D

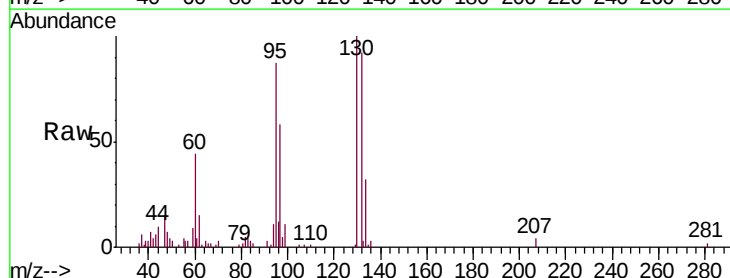
Acq: 08 Oct 2018 16:25

Tgt Ion: 130 Resp: 9523

Ion Ratio Lower Upper

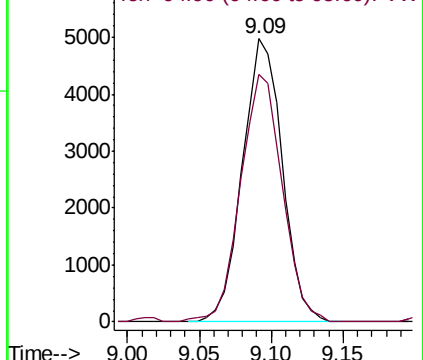
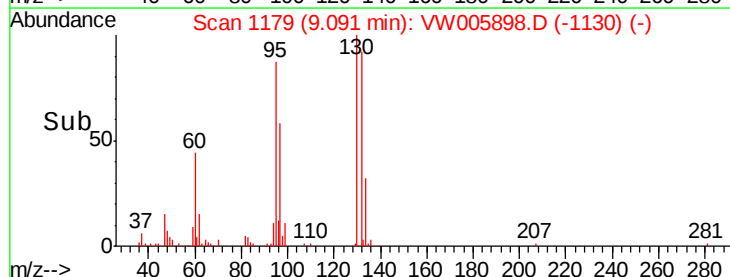
130 100

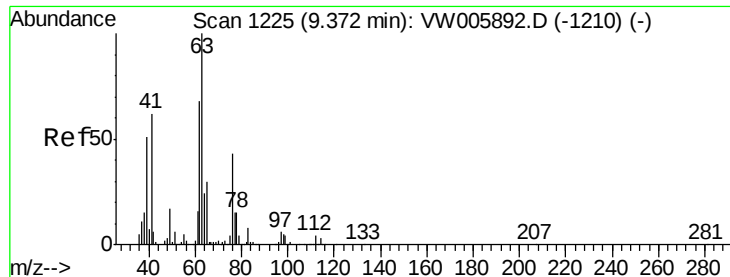
95 87.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

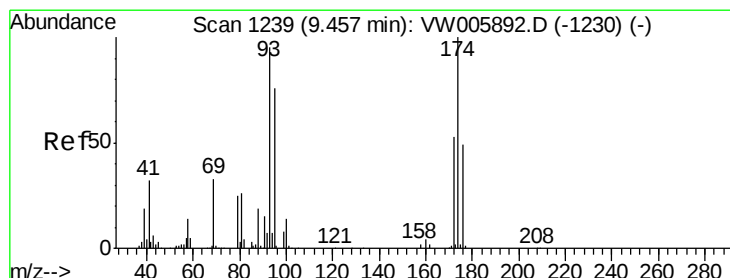
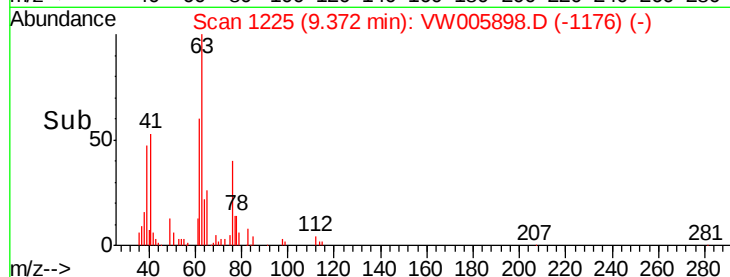
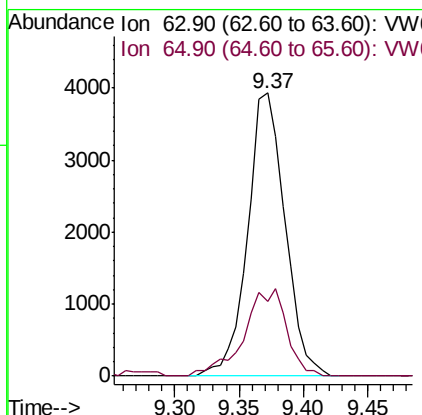
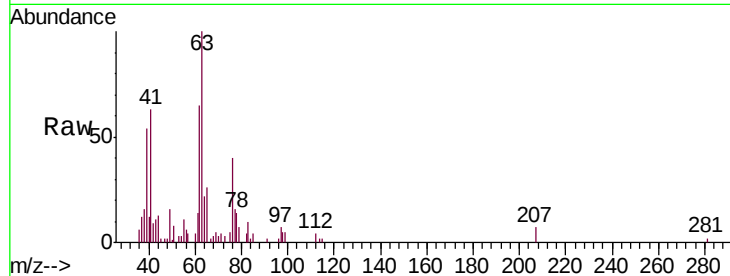




#45
 1,2-Dichloropropane
 Concen: 2.647 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

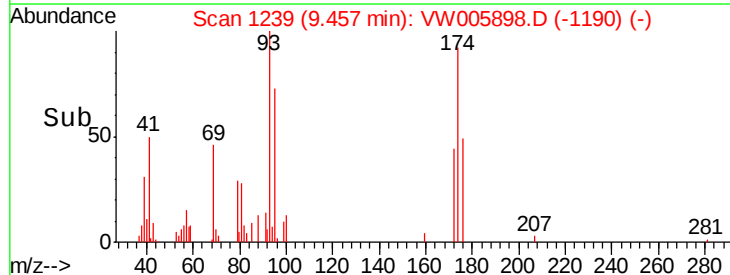
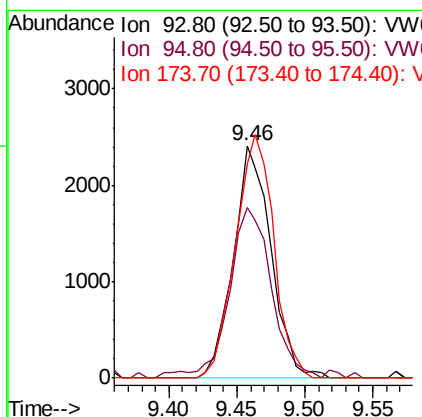
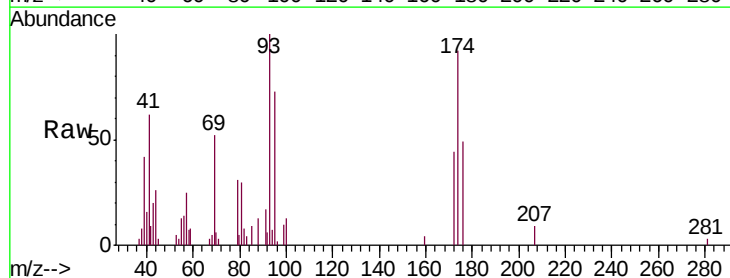
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 63 Resp: 7879
 Ion Ratio Lower Upper
 63 100
 65 26.3 24.3 36.5



#46
 Dibromomethane
 Concen: 2.846 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 93 Resp: 4656
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 99.8
 174 106.9 90.4 135.6





#47

Bromodichloromethane

Concen: 2.569 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

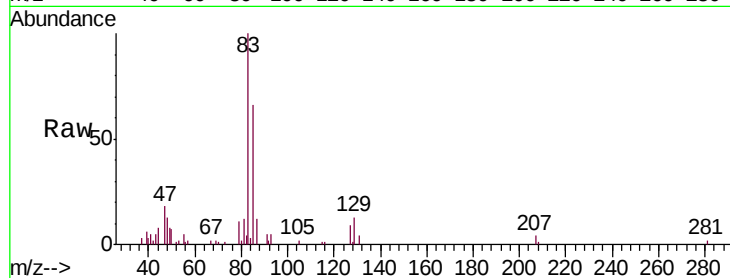
Tgt Ion: 83 Resp: 10574

Ion Ratio Lower Upper

83 100

85 66.4 53.0 79.6

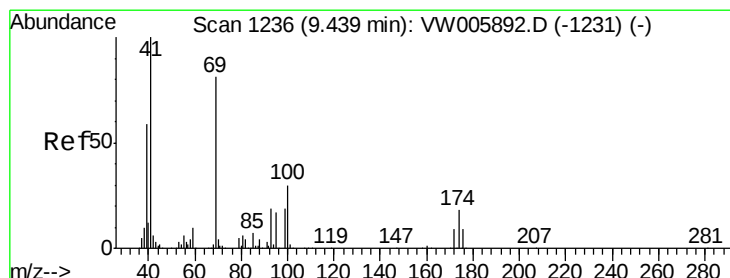
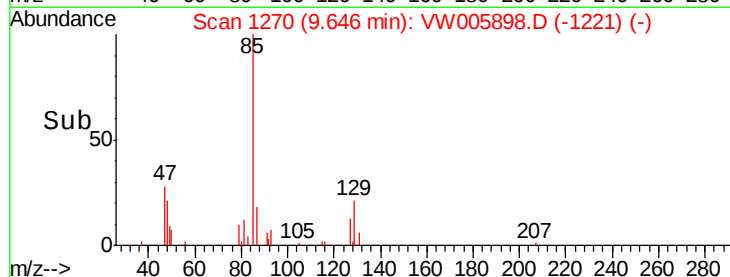
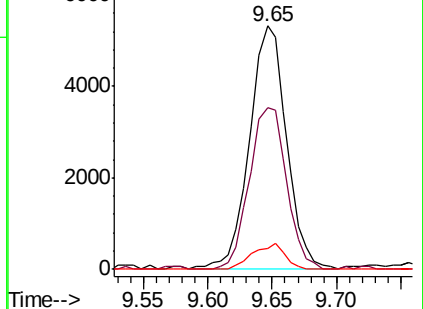
127 8.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 2.614 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

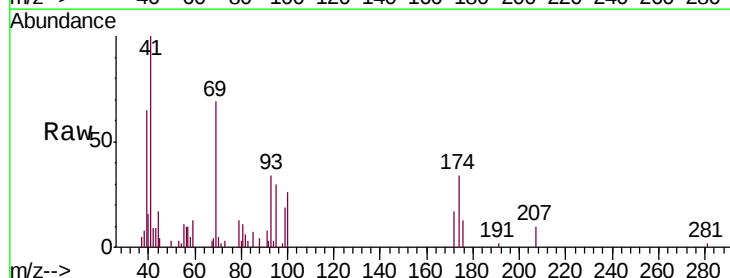
Tgt Ion: 41 Resp: 4786

Ion Ratio Lower Upper

41 100

69 85.4 68.7 103.1

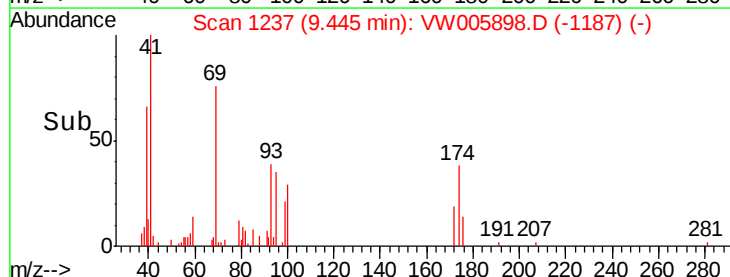
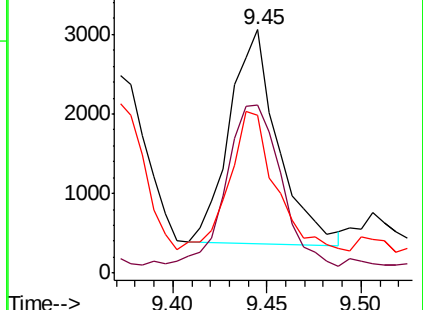
39 60.9 50.0 75.0

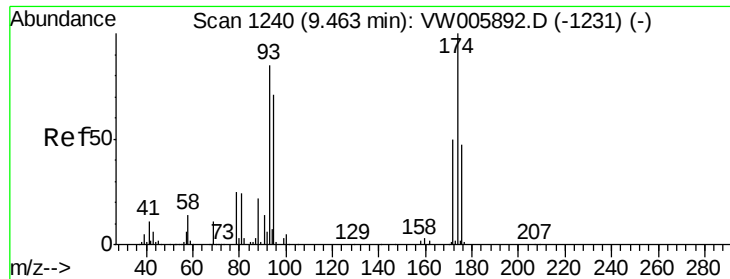


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 56.708 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

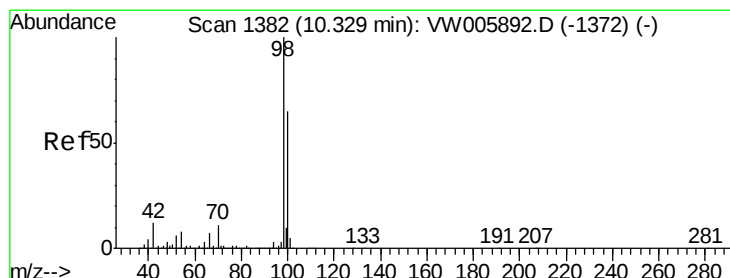
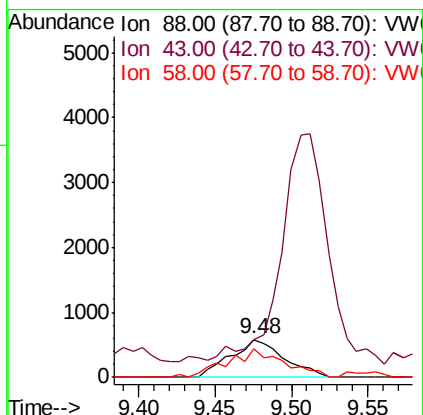
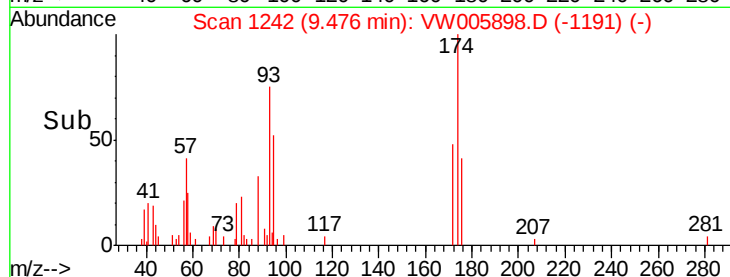
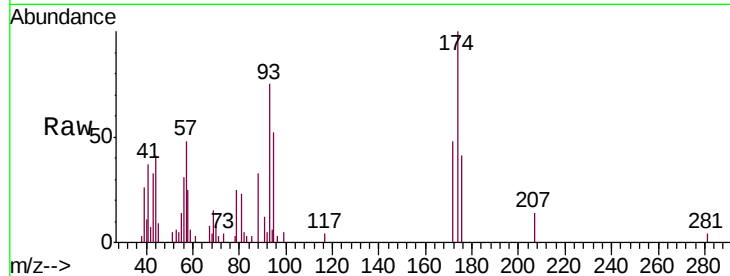
Tgt Ion: 88 Resp: 1409

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 80.6 57.7 86.5



#50

Toluene-d8

Concen: 50.108 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005898.D

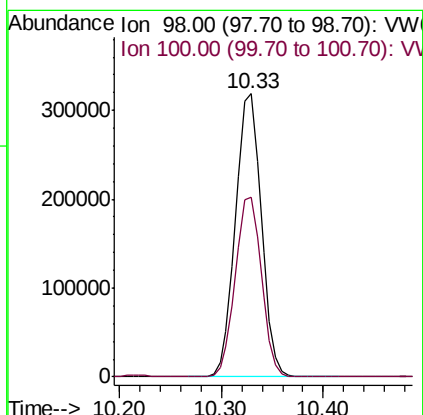
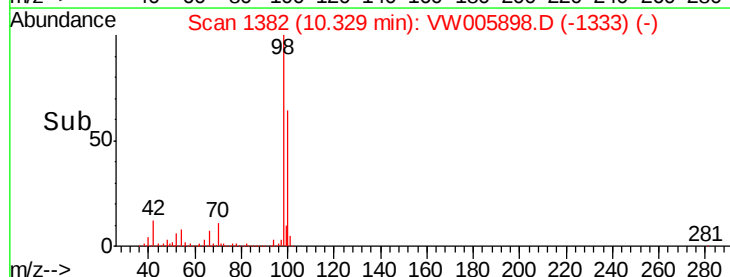
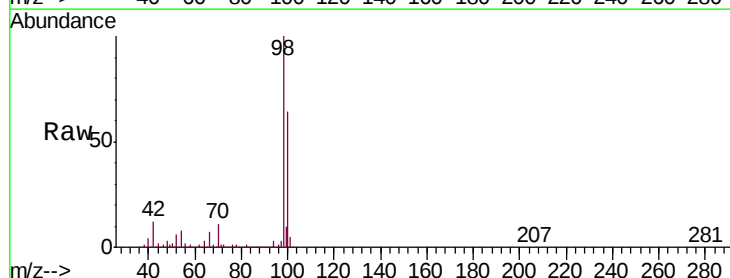
Acq: 08 Oct 2018 16:25

Tgt Ion: 98 Resp: 558052

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9

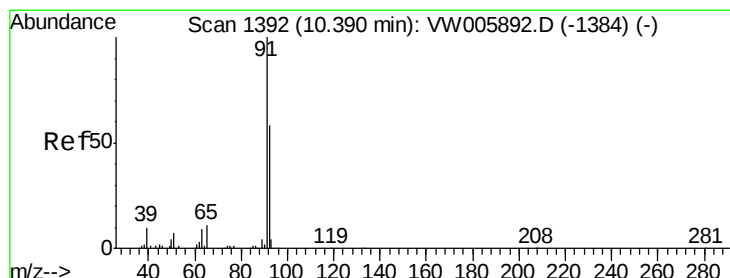
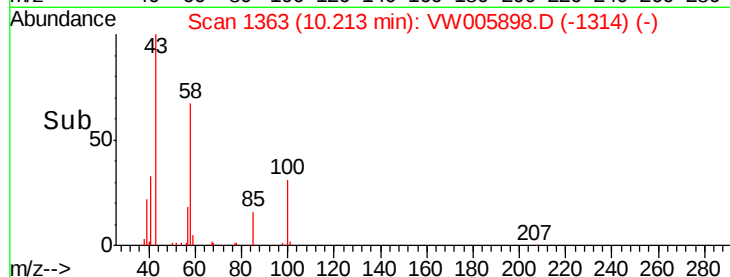
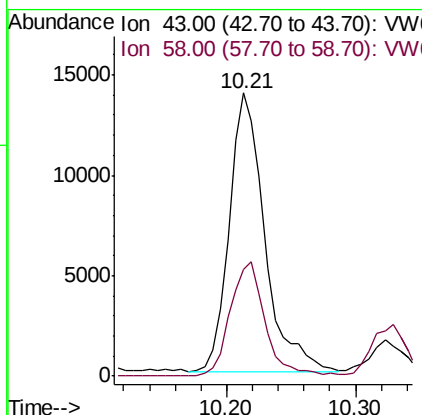
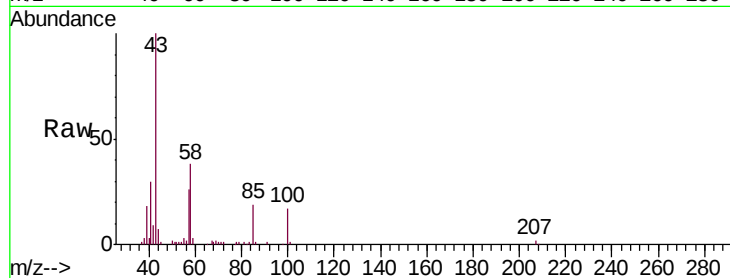




#51
 4-Methyl-2-Pentanone
 Concen: 14.218 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

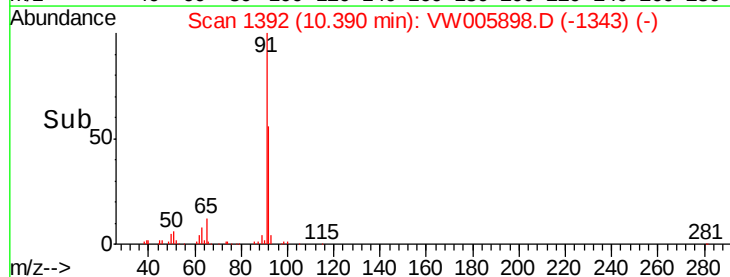
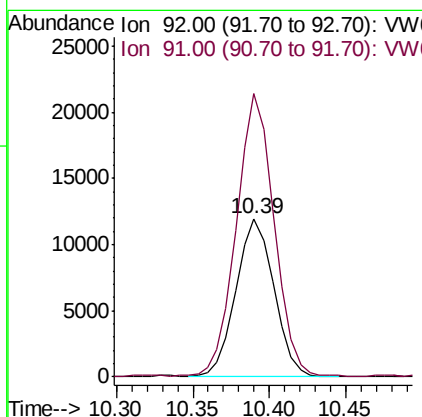
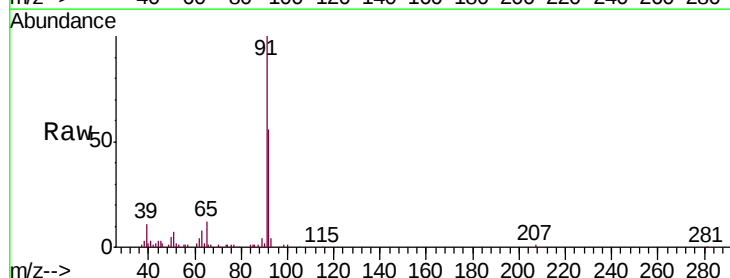
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

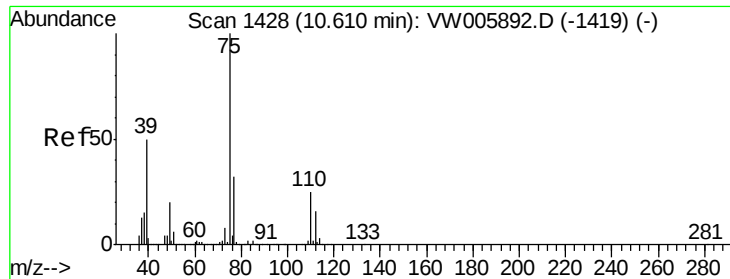
Tgt Ion: 43 Resp: 26607
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.2 45.4



#52
 Toluene
 Concen: 2.651 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 92 Resp: 20711
 Ion Ratio Lower Upper
 92 100
 91 176.6 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 2.434 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

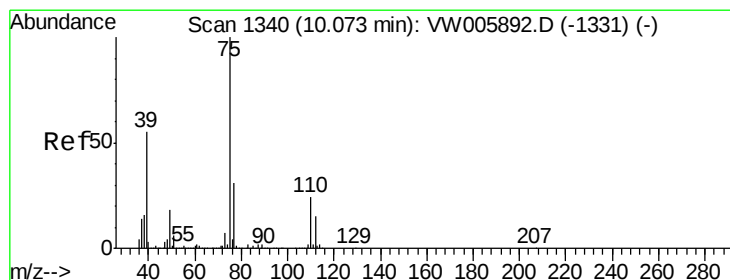
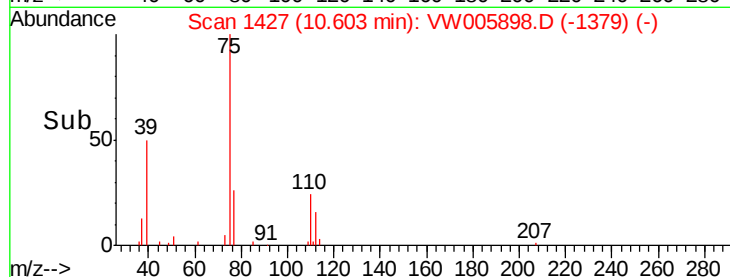
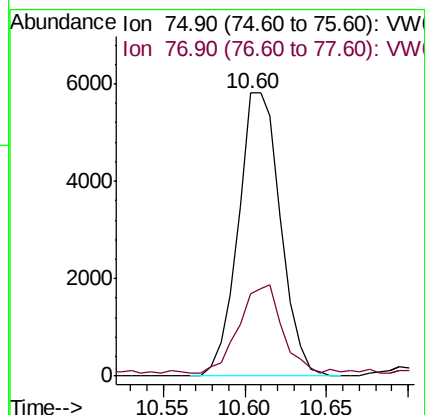
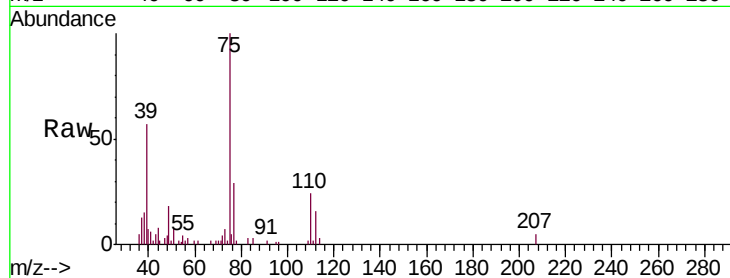
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 75 Resp: 10472

Ion Ratio Lower Upper

75 100

77 28.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 2.517 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

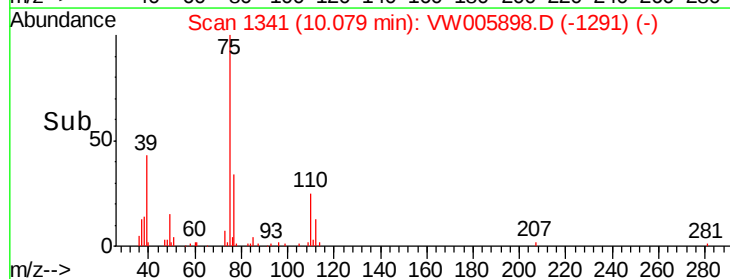
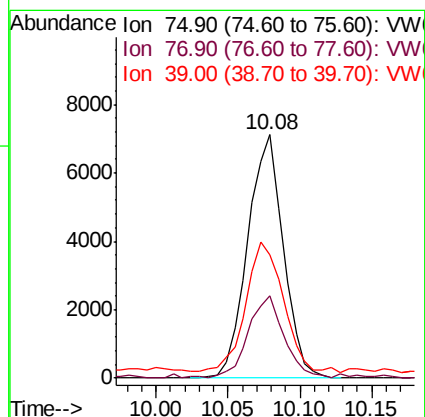
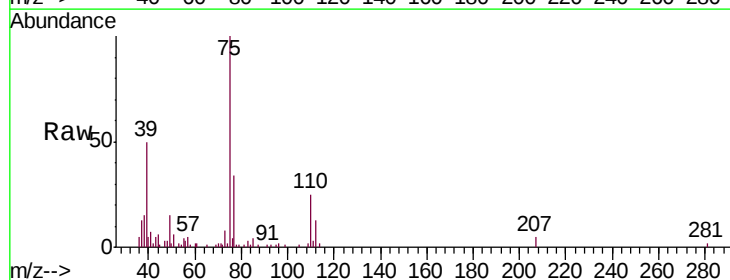
Tgt Ion: 75 Resp: 12172

Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0

39 48.2 44.2 66.4

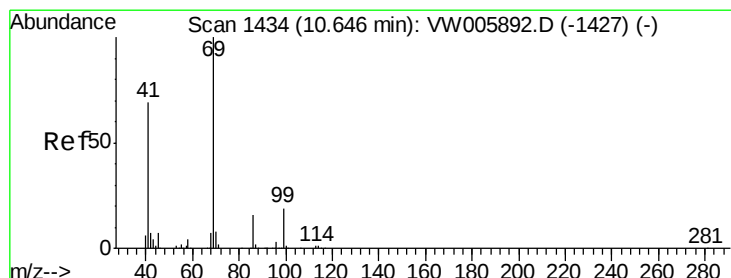
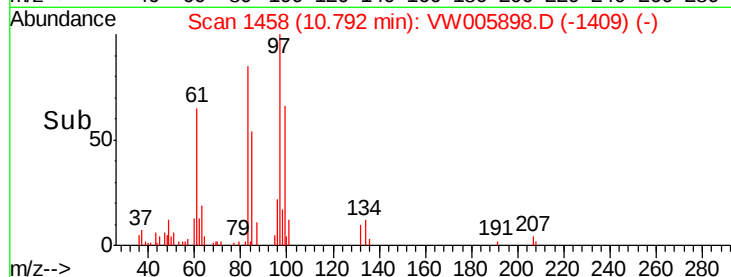
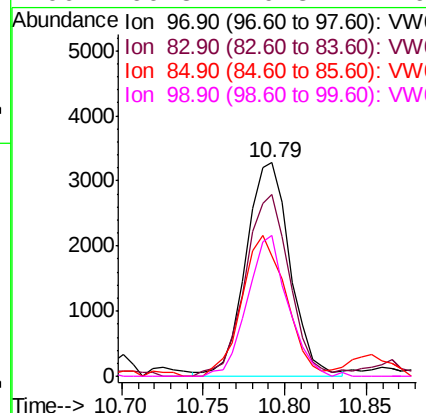
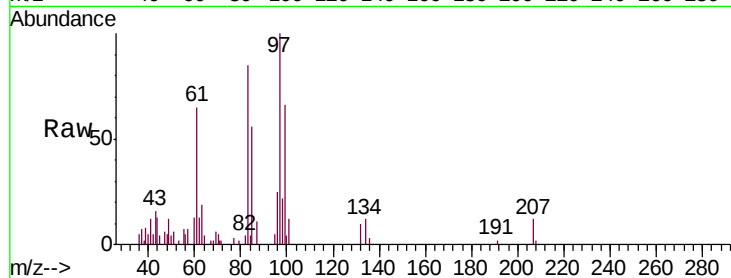




#55
 1,1,2-Trichloroethane
 Concen: 2.738 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

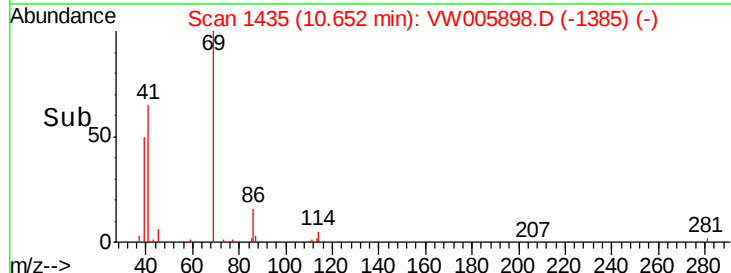
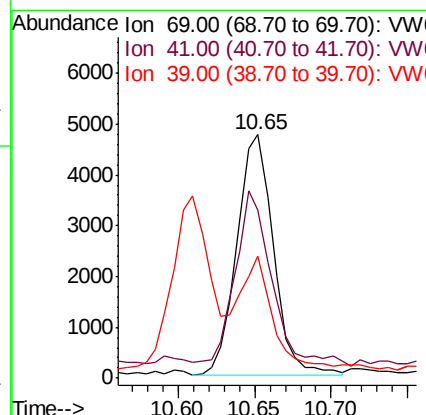
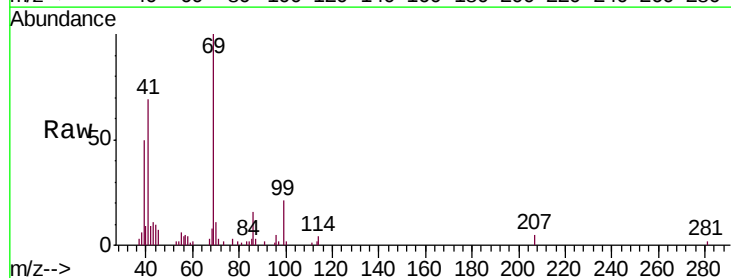
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

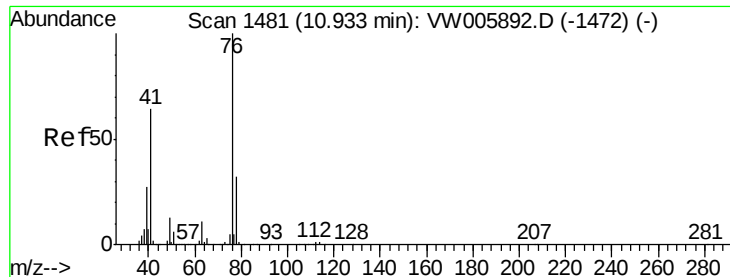
Tgt Ion:	97	Resp:	6203
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.9	100.3
85	57.4	43.4	65.0
99	66.8	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 2.562 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:	69	Resp:	7824
Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.0	84.0
39	38.0	33.5	50.3

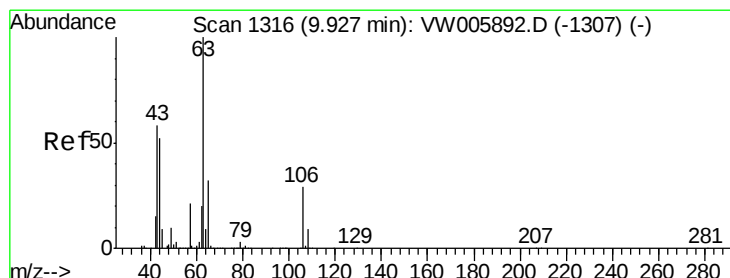
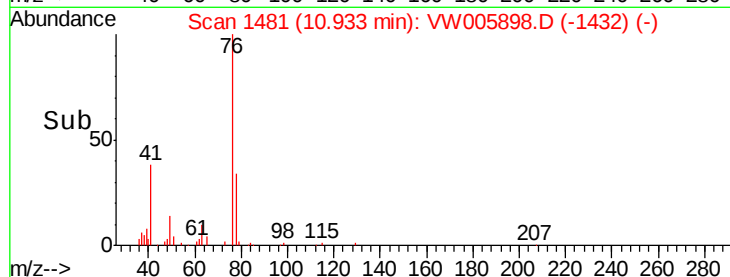
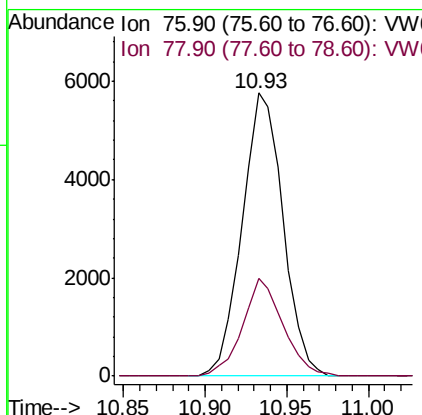
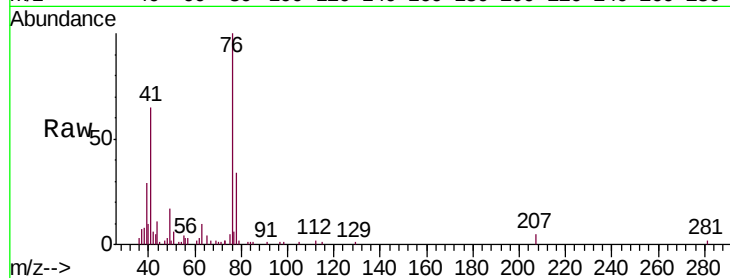




#57
 1,3-Dichloropropane
 Concen: 2.633 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

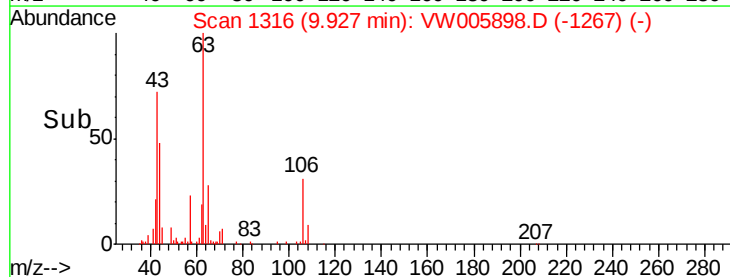
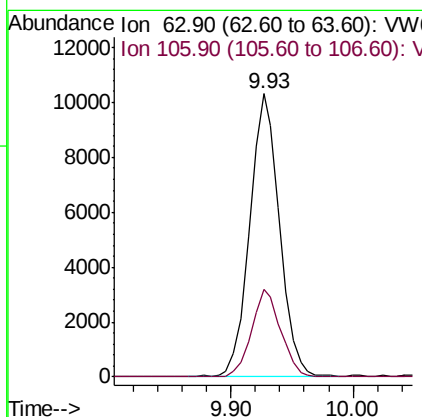
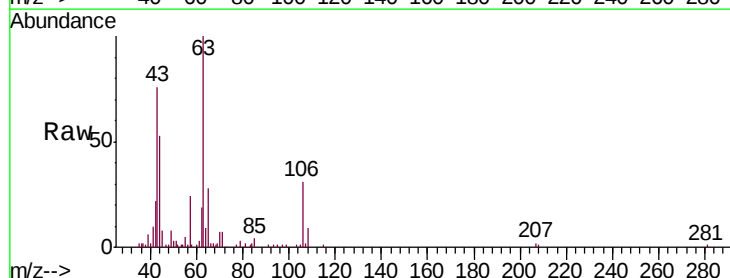
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

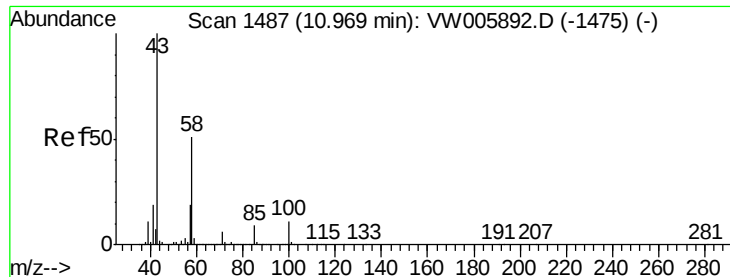
Tgt Ion: 76 Resp: 10035
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.085 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 63 Resp: 17501
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.6 35.4

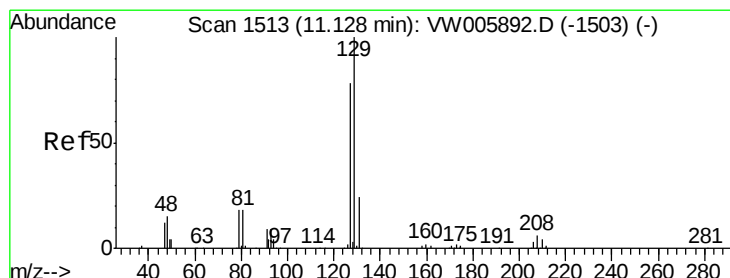
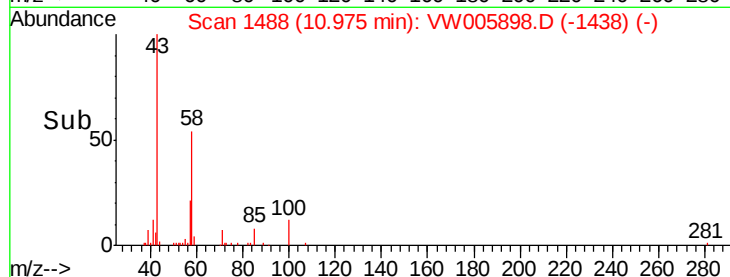
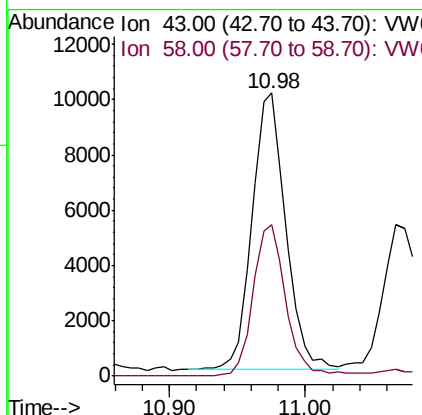
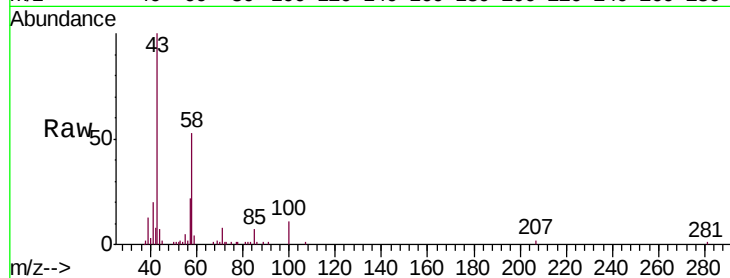




#59
2-Hexanone
Concen: 12.905 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

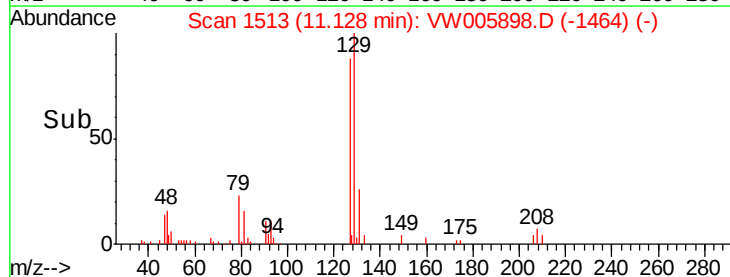
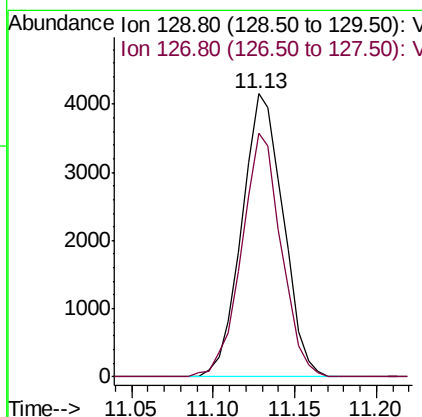
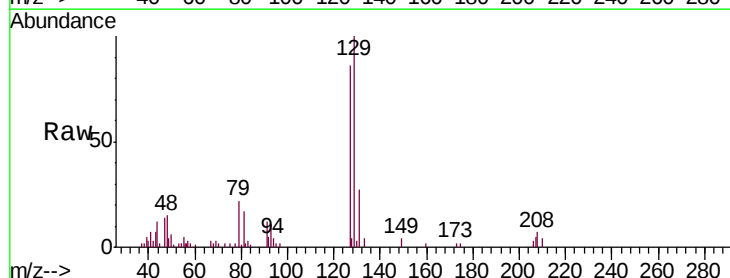
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 43 Resp: 17316
Ion Ratio Lower Upper
43 100
58 53.5 25.7 77.1



#60
Dibromochloromethane
Concen: 2.507 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion: 129 Resp: 7329
Ion Ratio Lower Upper
129 100
127 82.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 2.742 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

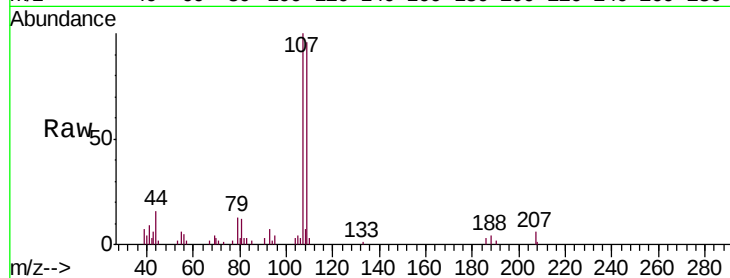
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 107 Resp: 6208

Ion Ratio Lower Upper

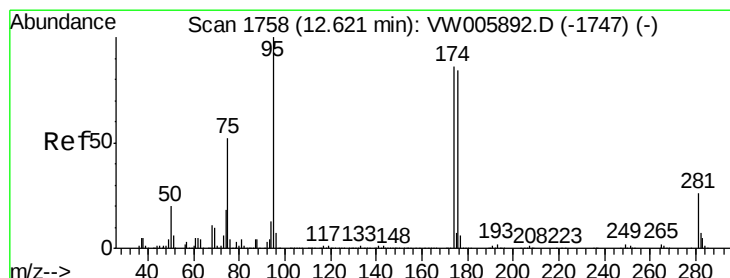
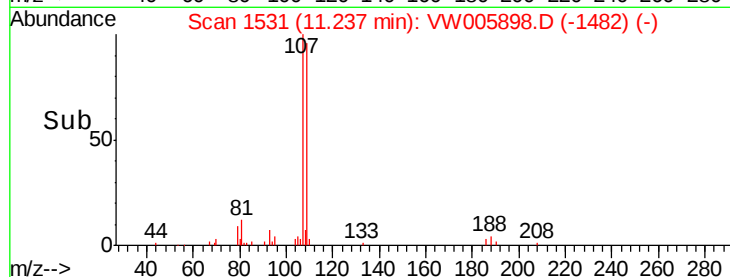
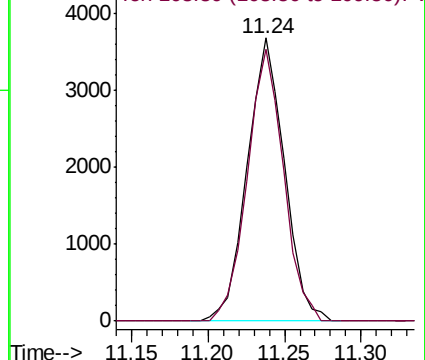
107 100

109 93.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

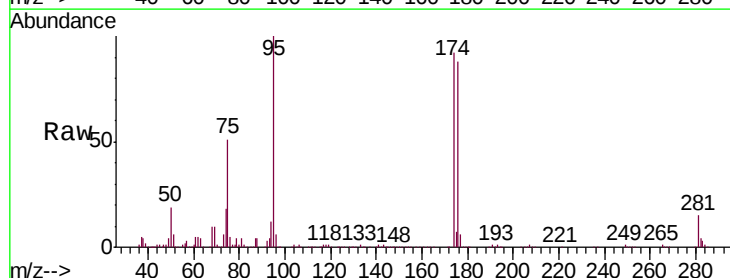
Tgt Ion: 95 Resp: 207787

Ion Ratio Lower Upper

95 100

174 91.5 0.0 176.4

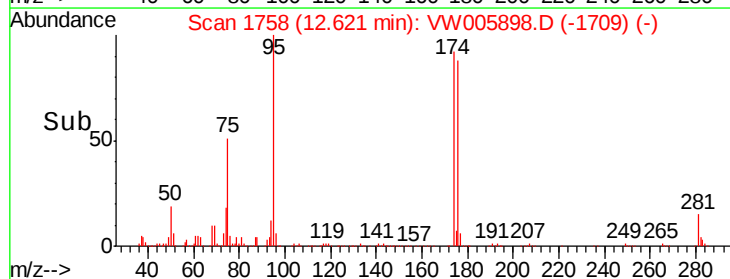
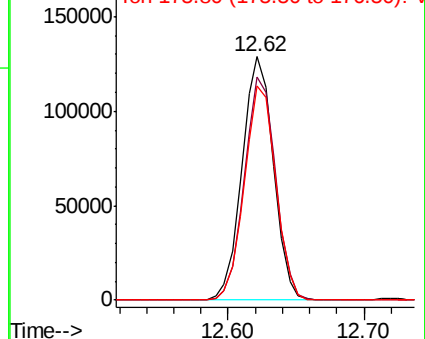
176 88.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

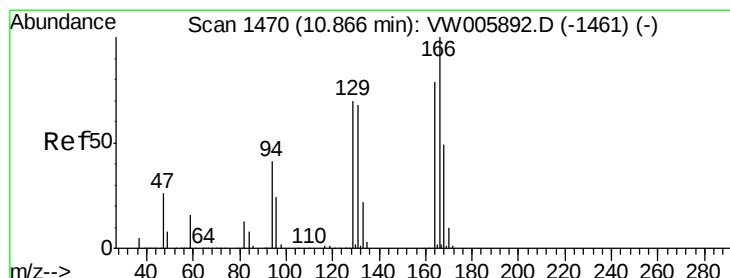
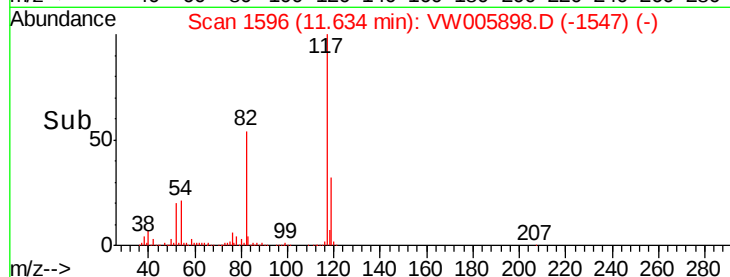
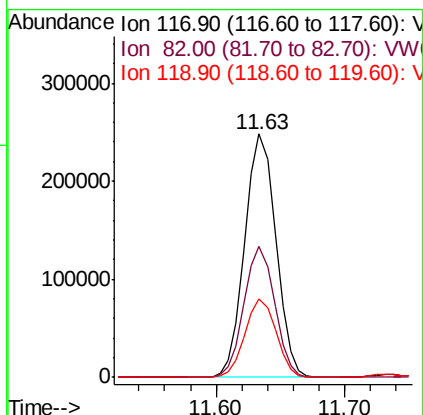
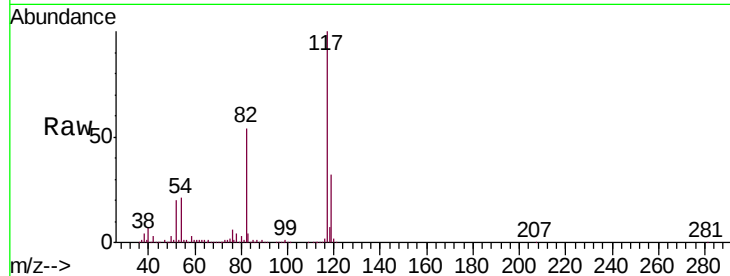




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

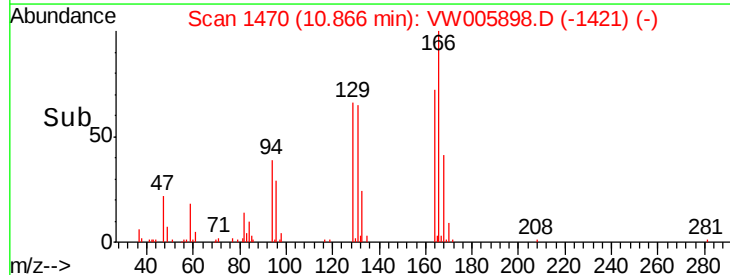
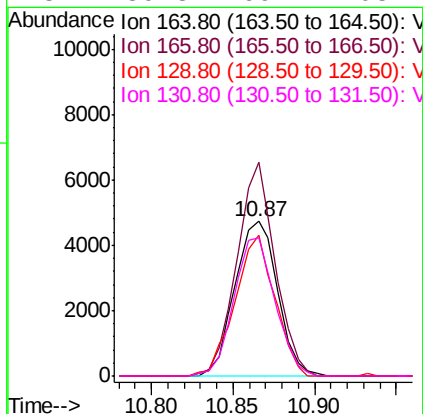
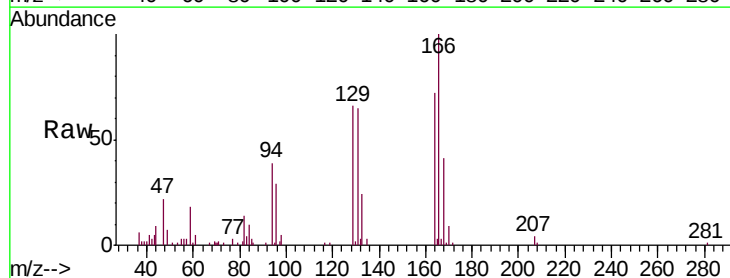
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:117 Resp: 415847
Ion Ratio Lower Upper
117 100
82 53.6 43.5 65.3
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 2.784 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion:164 Resp: 8624
Ion Ratio Lower Upper
164 100
166 138.3 101.5 152.3
129 91.4 71.1 106.7
131 89.8 69.1 103.7





#65

Chlorobenzene

Concen: 2.671 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

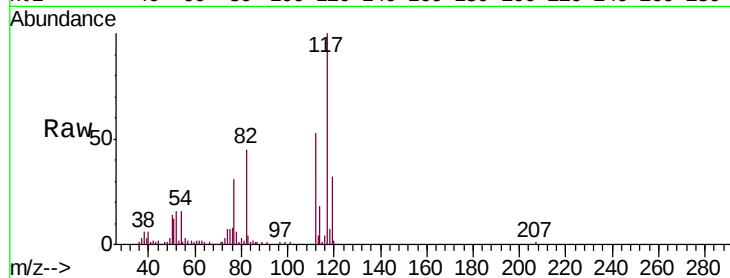
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:112 Resp: 23795

Ion Ratio Lower Upper

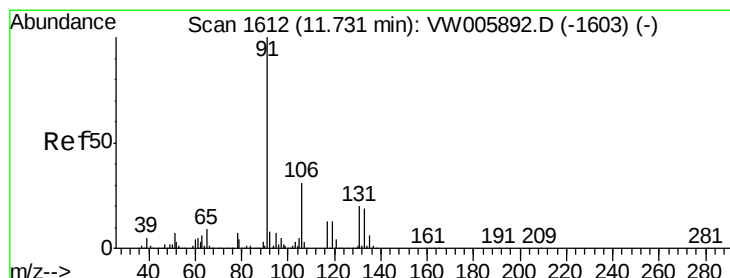
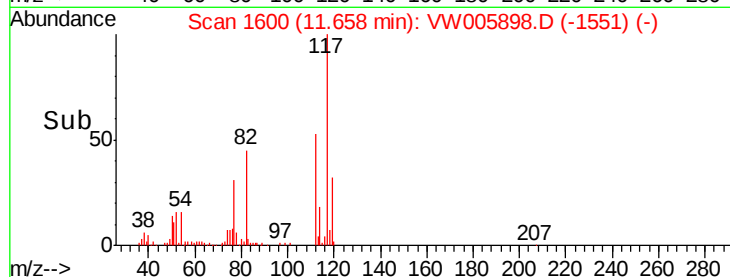
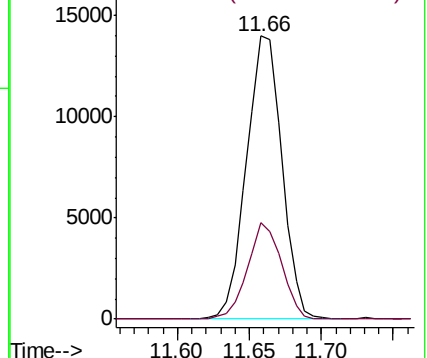
112 100

114 33.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.487 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

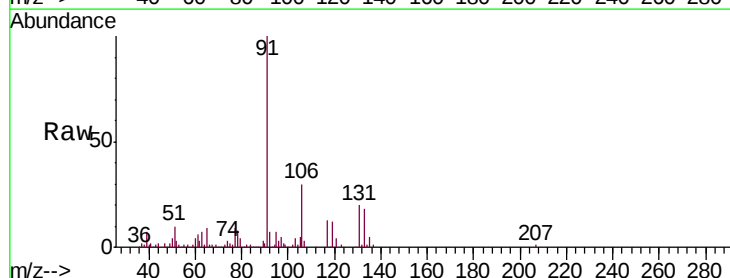
Tgt Ion:131 Resp: 8121

Ion Ratio Lower Upper

131 100

133 101.4 48.2 144.6

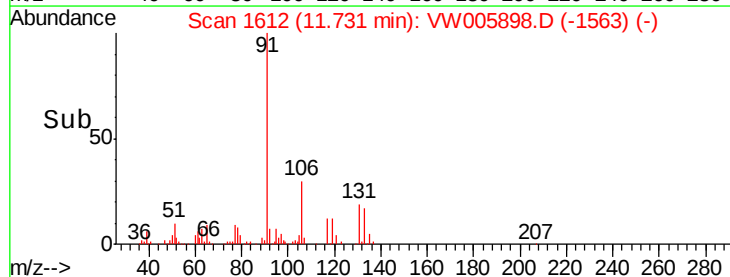
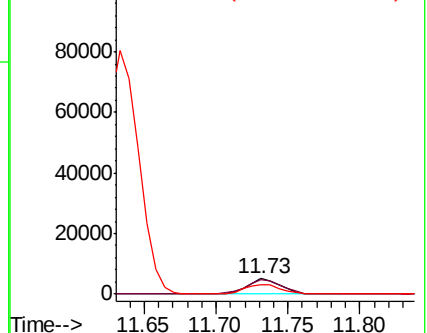
119 69.0 32.5 97.5

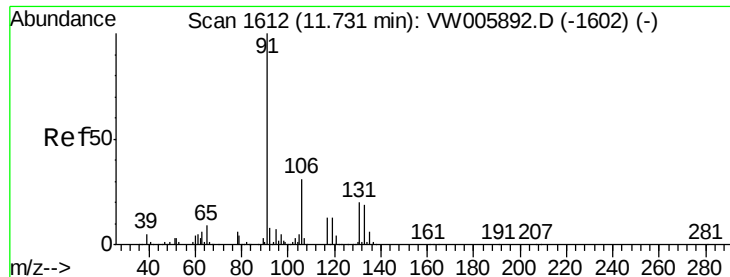


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 2.667 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

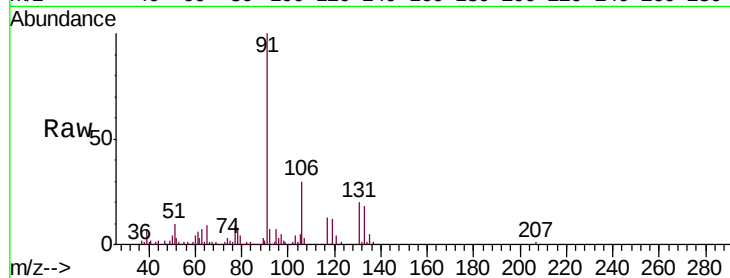
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 91 Resp: 41959

Ion Ratio Lower Upper

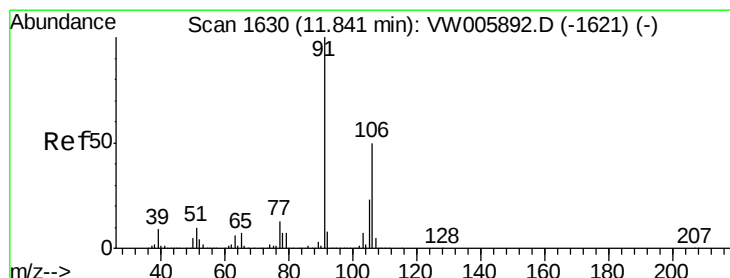
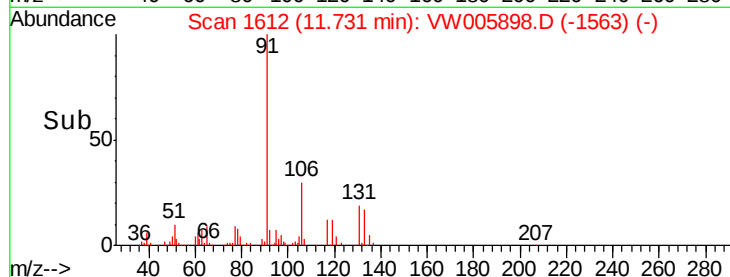
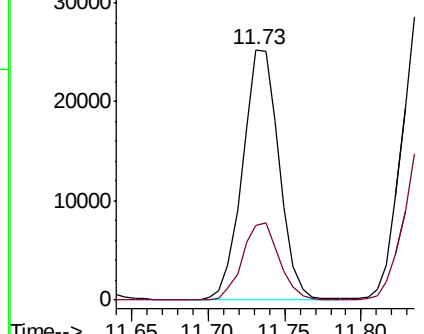
91 100

106 29.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 5.210 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005898.D

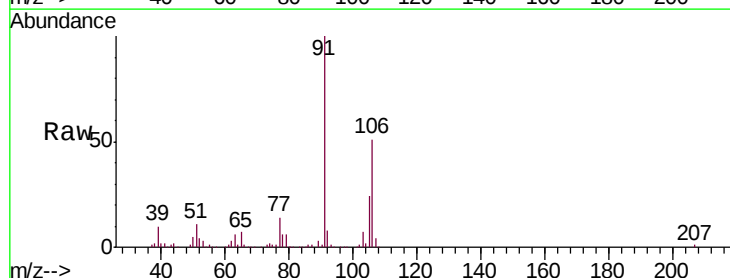
Acq: 08 Oct 2018 16:25

Tgt Ion: 106 Resp: 32034

Ion Ratio Lower Upper

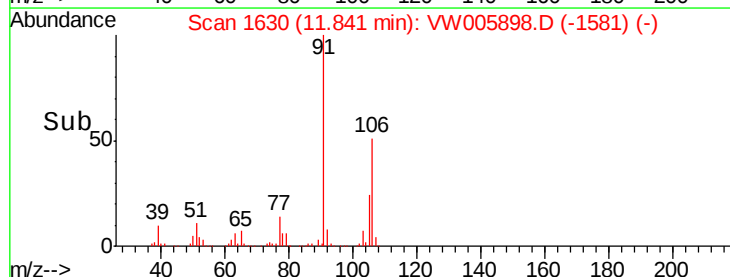
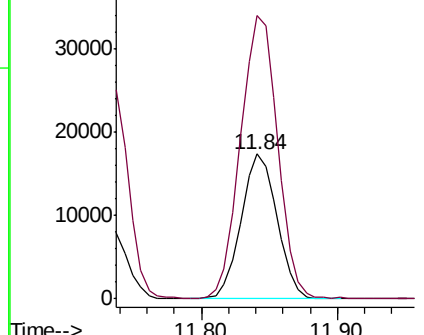
106 100

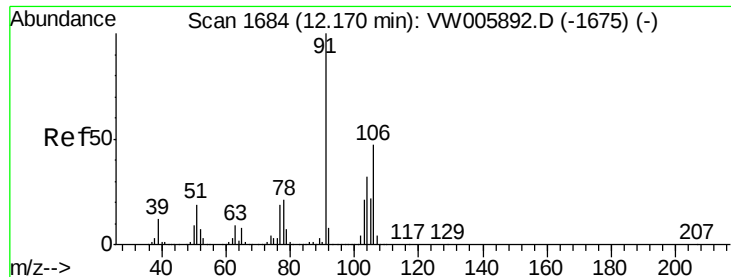
91 201.8 160.2 240.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

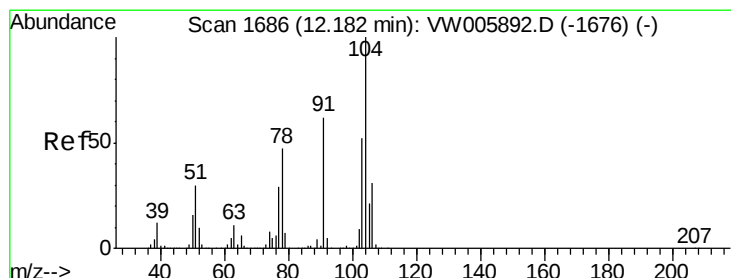
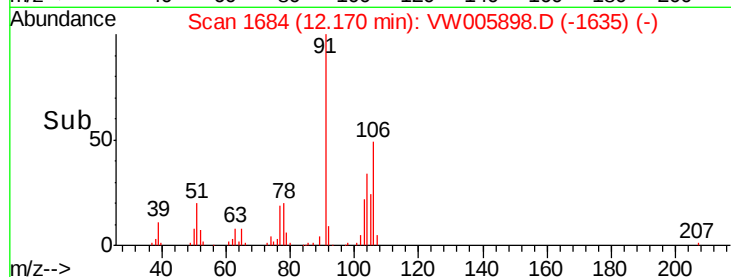
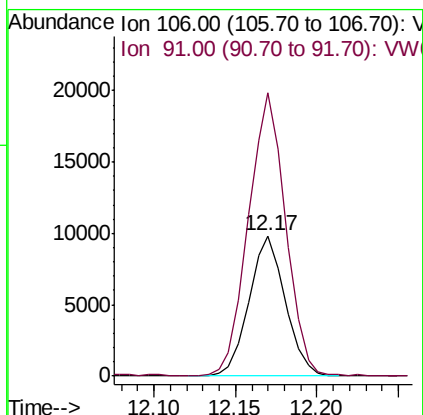
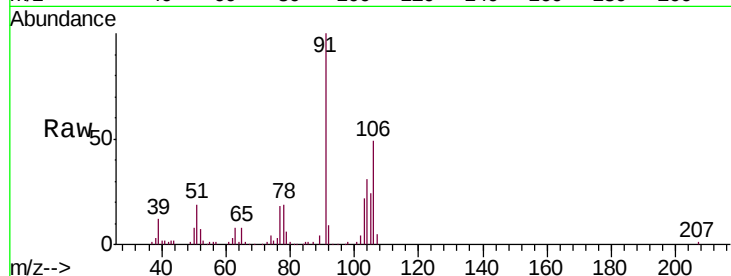




#69
o-Xylene
Concen: 2.573 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

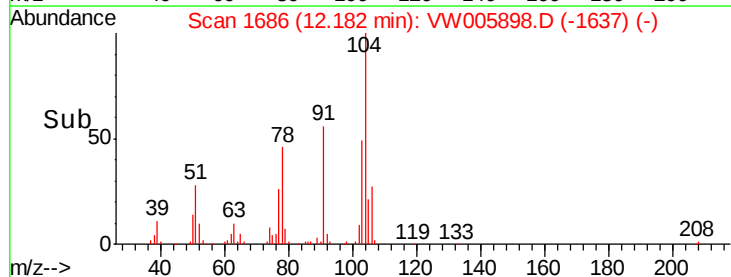
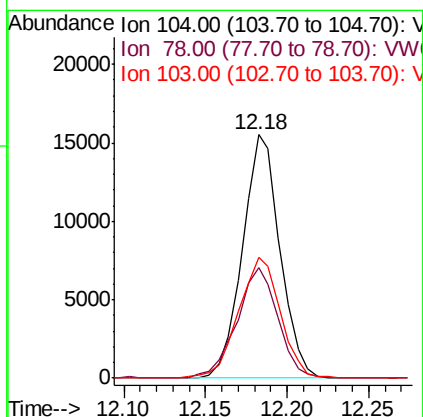
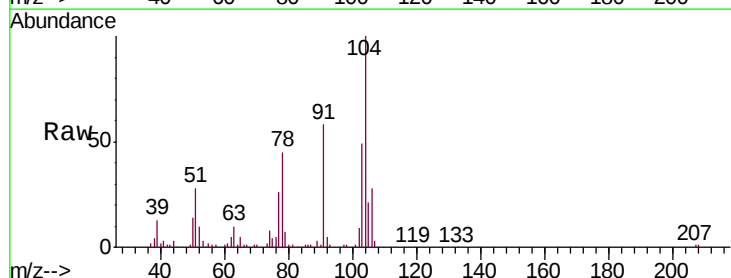
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

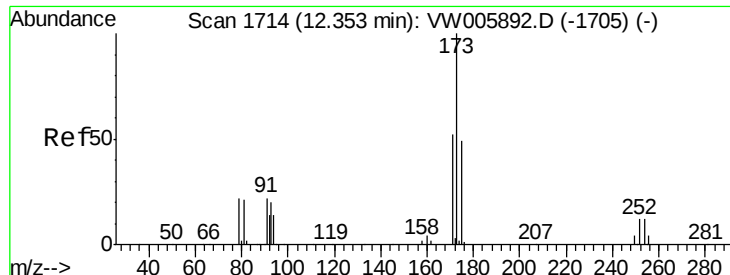
Tgt Ion:106 Resp: 15144
Ion Ratio Lower Upper
106 100
91 208.0 106.2 318.5



#70
Styrene
Concen: 2.538 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion:104 Resp: 24783
Ion Ratio Lower Upper
104 100
78 49.4 40.4 60.6
103 55.4 44.2 66.2





#71

Bromoform

Concen: 2.436 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

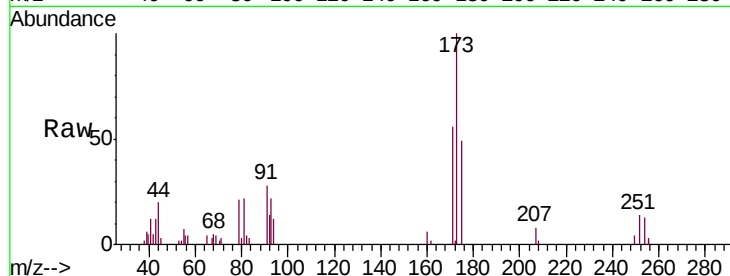
Tgt Ion:173 Resp: 4737

Ion Ratio Lower Upper

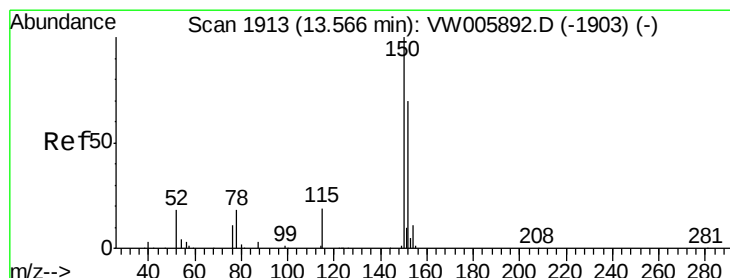
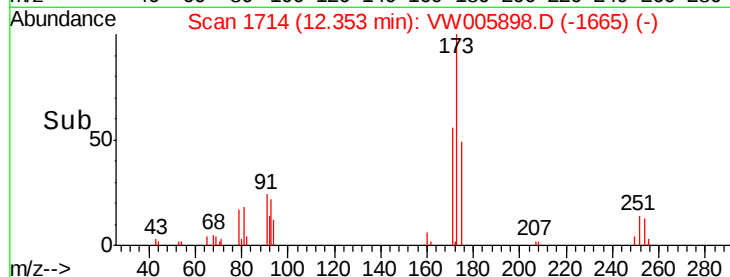
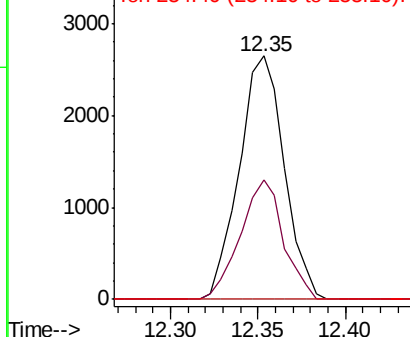
173 100

175 46.8 24.7 74.1

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

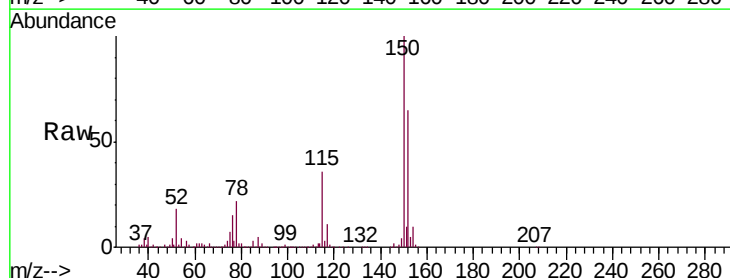
Tgt Ion:152 Resp: 222640

Ion Ratio Lower Upper

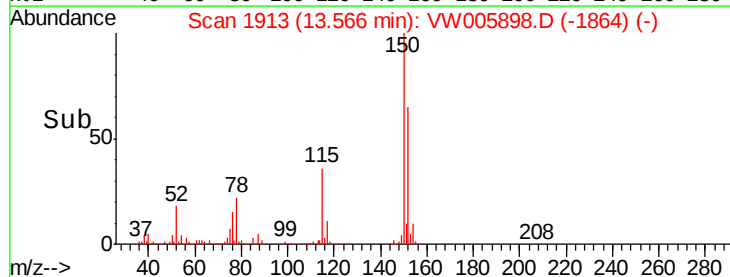
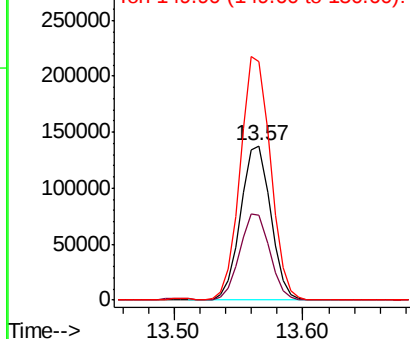
152 100

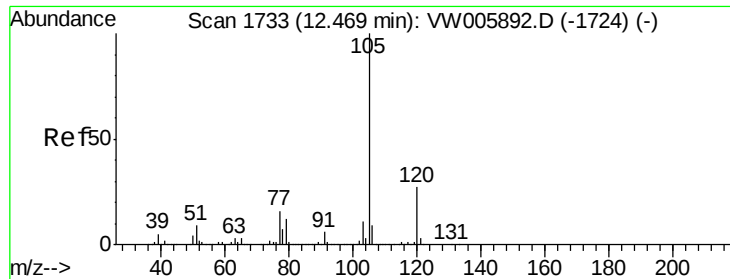
115 56.3 28.3 85.0

150 158.3 0.0 349.2



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: 2.640 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

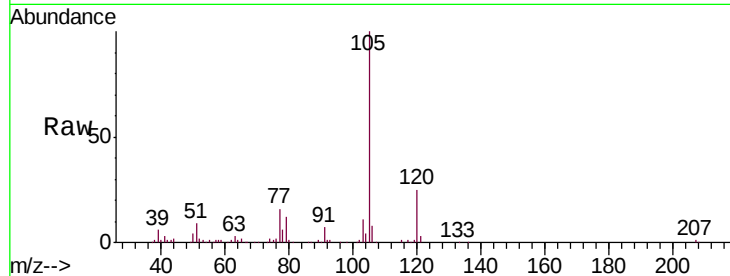
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:105 Resp: 42923

Ion Ratio Lower Upper

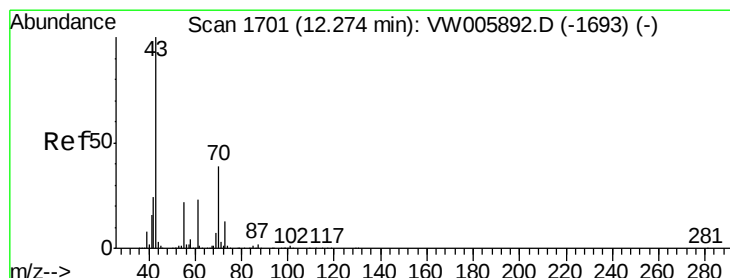
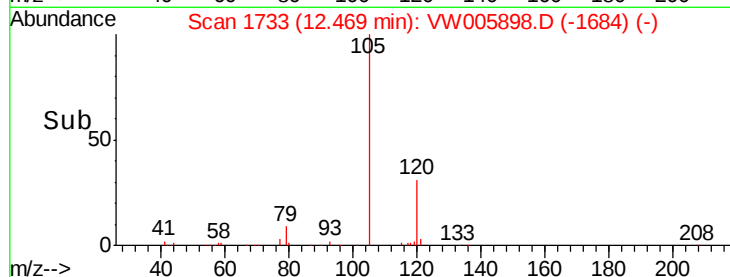
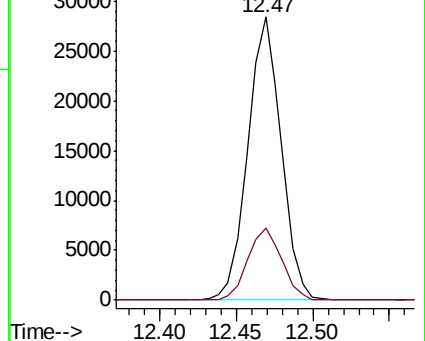
105 100

120 26.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 2.545 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion: 43 Resp: 9829

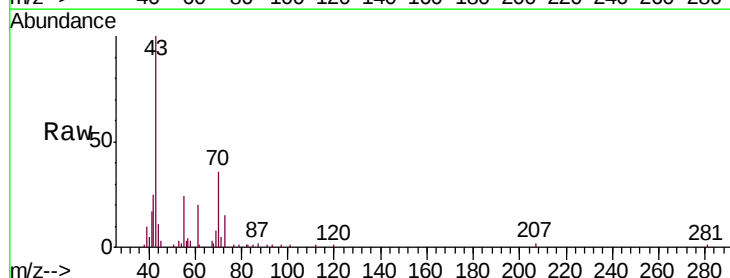
Ion Ratio Lower Upper

43 100

70 41.5 31.6 47.4

55 22.4 17.9 26.9

61 23.6 18.6 28.0

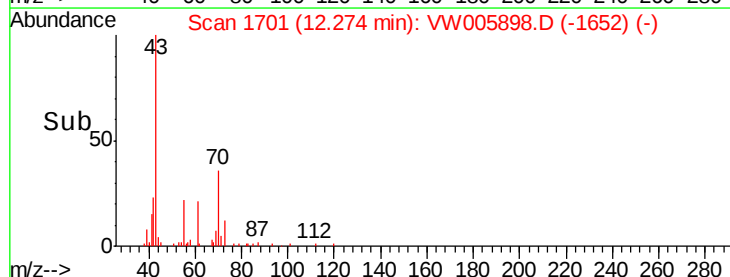
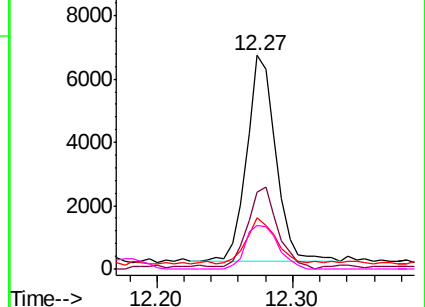


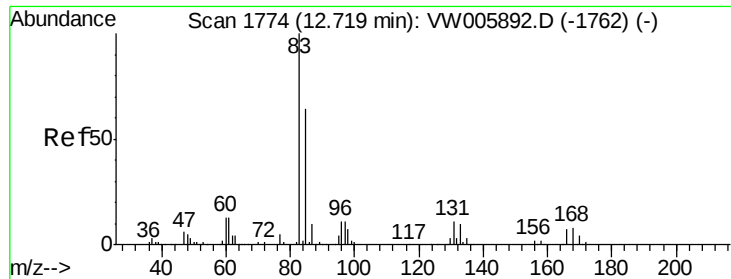
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 2.896 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

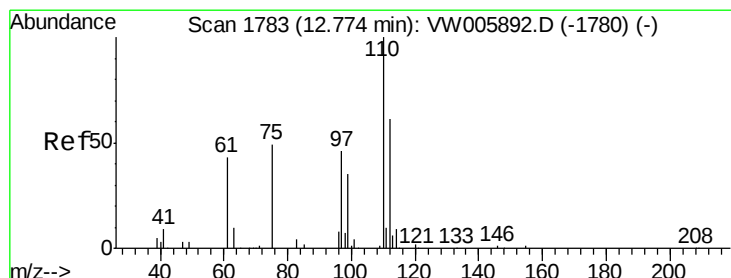
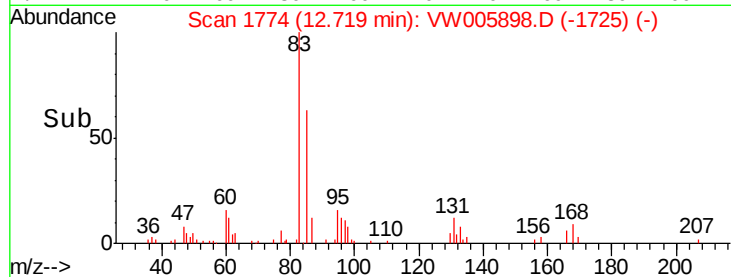
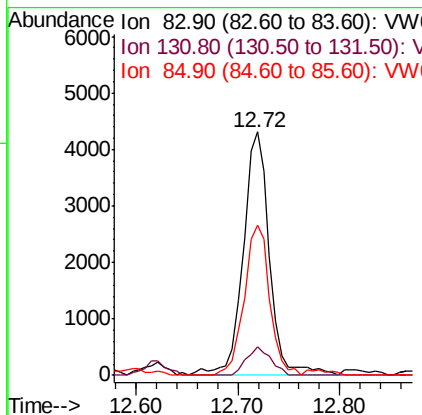
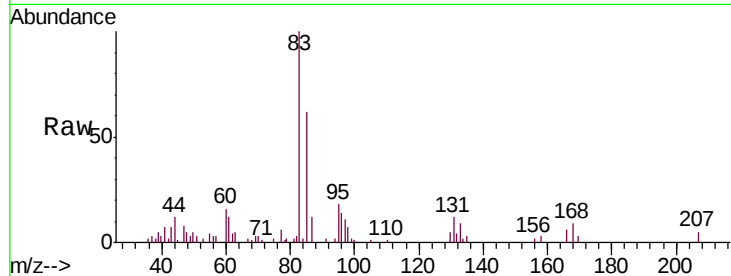
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:	83	Resp:	7717
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.8	17.3
85	59.7	32.4	97.0



#76

1,2,3-Trichloropropane

Concen: 4.702 ug/l

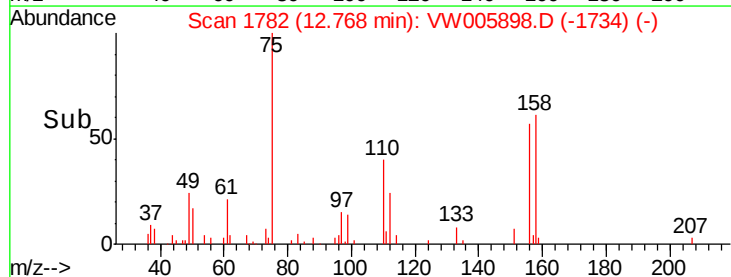
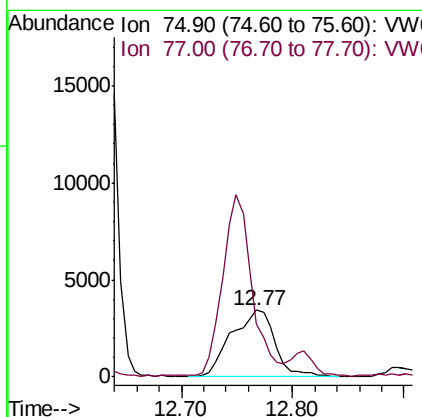
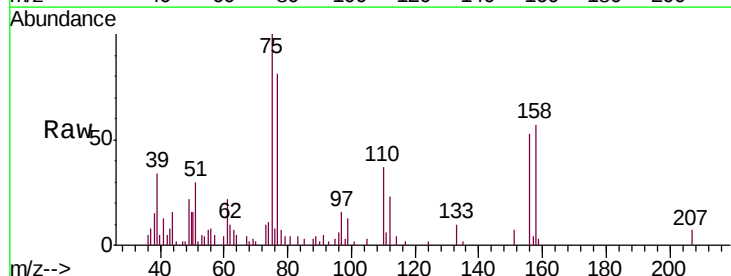
RT: 12.77 min Scan# 1782

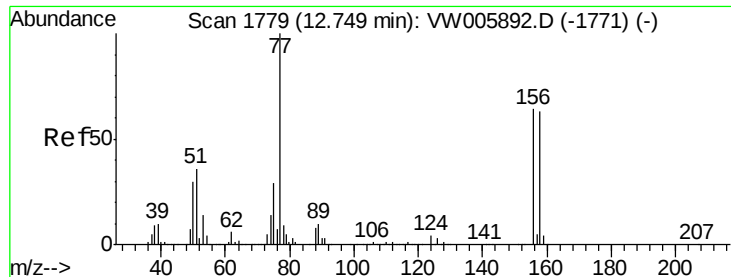
Delta R.T. -0.01 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Tgt Ion:	75	Resp:	9352
Ion	Ratio	Lower	Upper
75	100		
77	188.1	0.0	0.0#





#77

Bromobenzene

Concen: 2.695 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

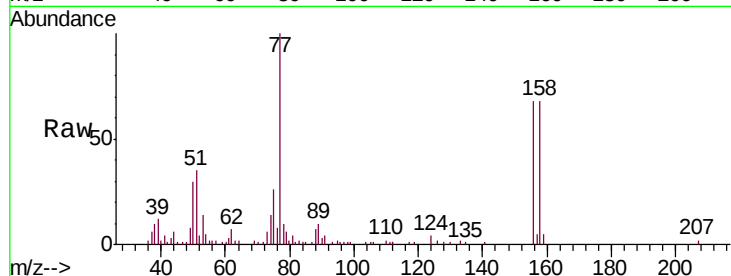
Tgt Ion:156 Resp: 10383

Ion Ratio Lower Upper

156 100

77 169.4 85.8 257.4

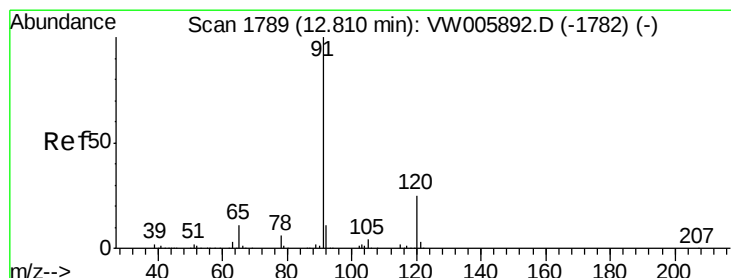
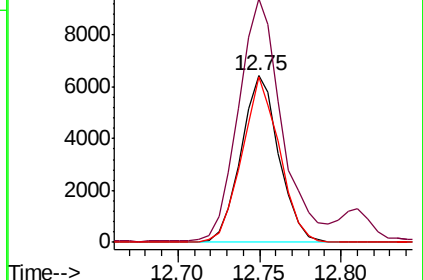
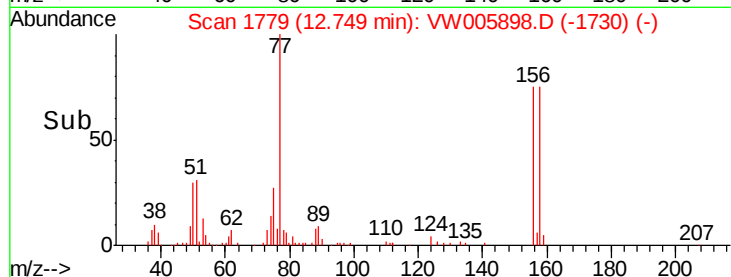
158 98.0 49.1 147.4



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: 2.578 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005898.D

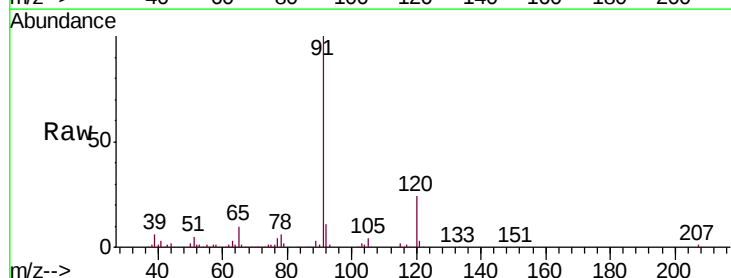
Acq: 08 Oct 2018 16:25

Tgt Ion: 91 Resp: 49302

Ion Ratio Lower Upper

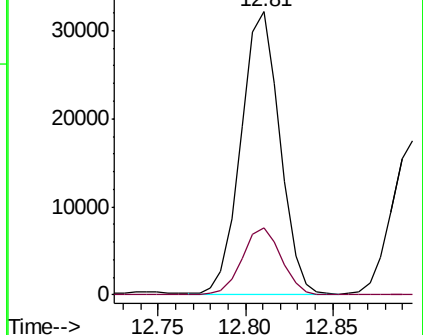
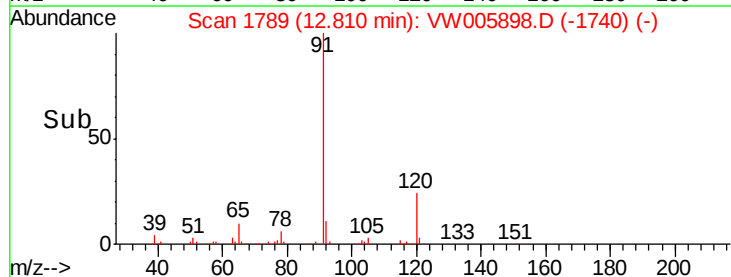
91 100

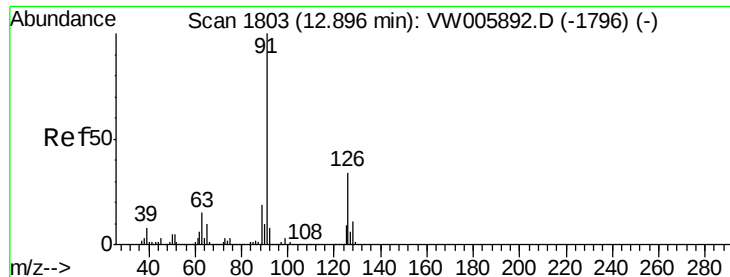
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.622 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

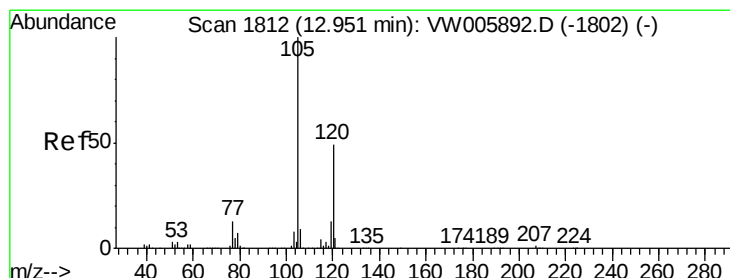
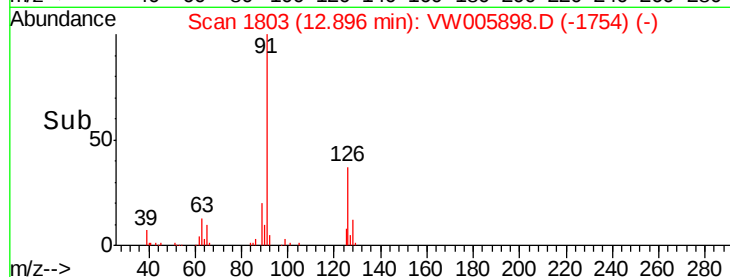
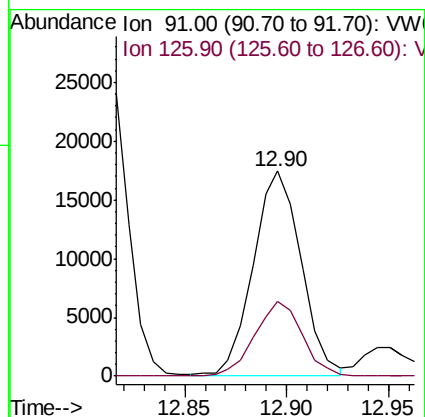
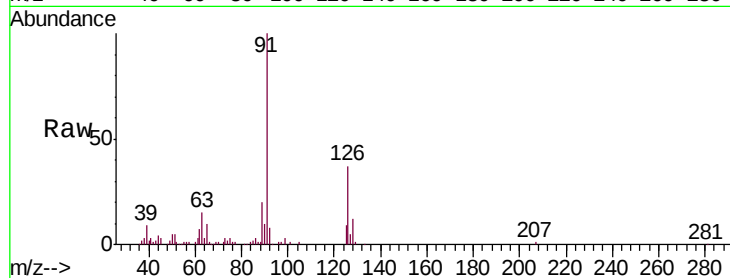
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion: 91 Resp: 28315

Ion Ratio Lower Upper

91 100

126 36.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 2.571 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005898.D

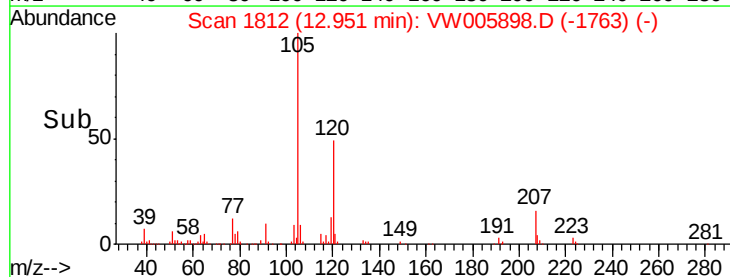
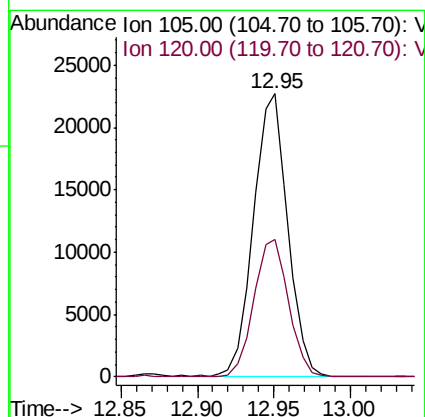
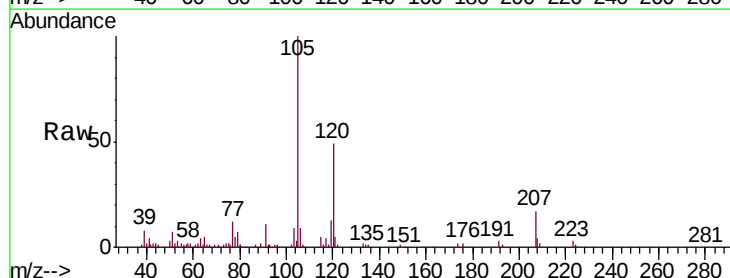
Acq: 08 Oct 2018 16:25

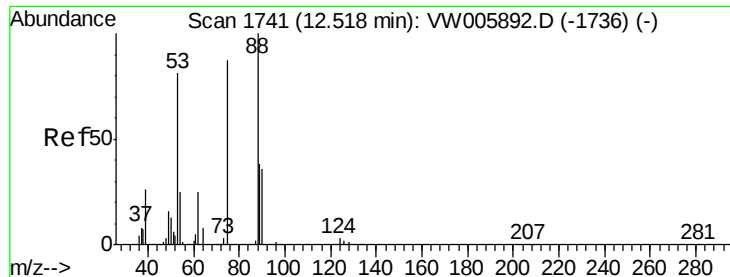
Tgt Ion: 105 Resp: 35299

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 112.733 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

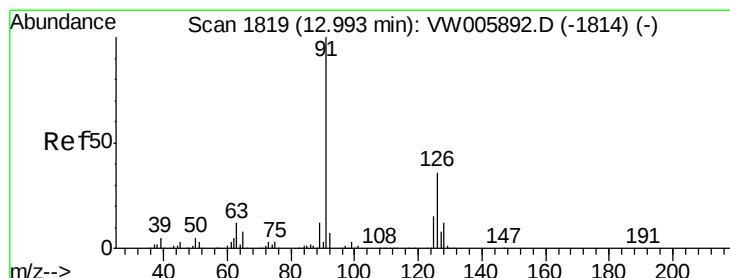
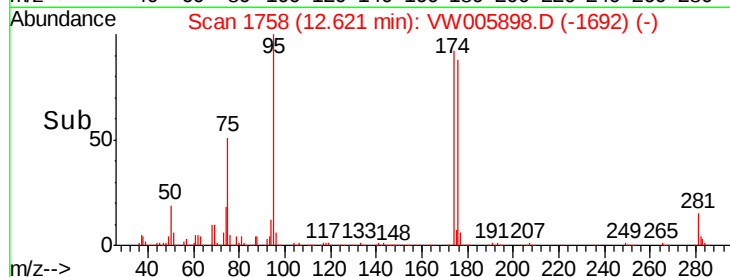
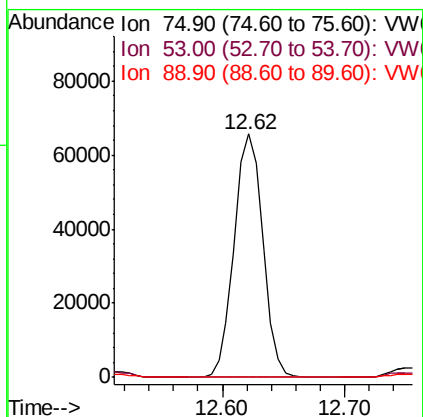
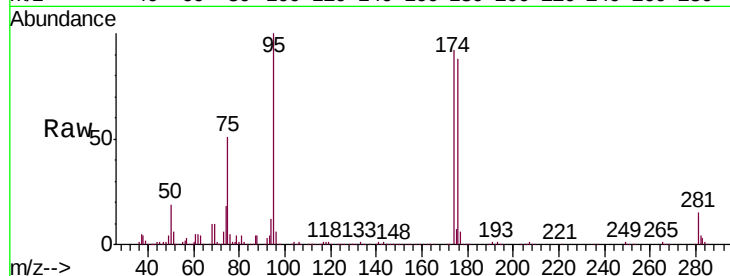
Tgt Ion: 75 Resp: 106201

Ion Ratio Lower Upper

75 100

53 0.1 76.5 114.7#

89 0.0 37.6 56.4#



#82

4-Chlorotoluene

Concen: 2.679 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005898.D

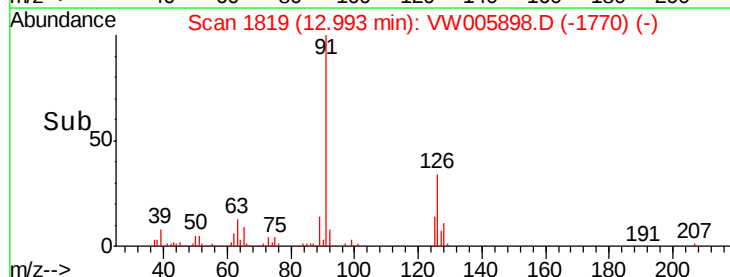
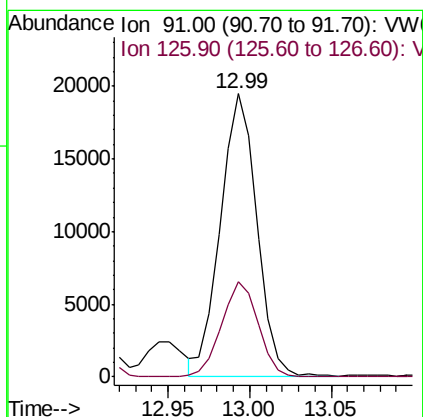
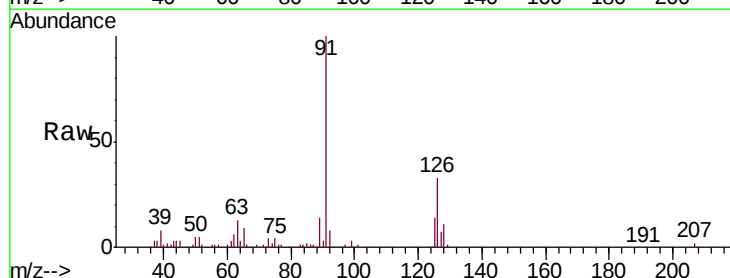
Acq: 08 Oct 2018 16:25

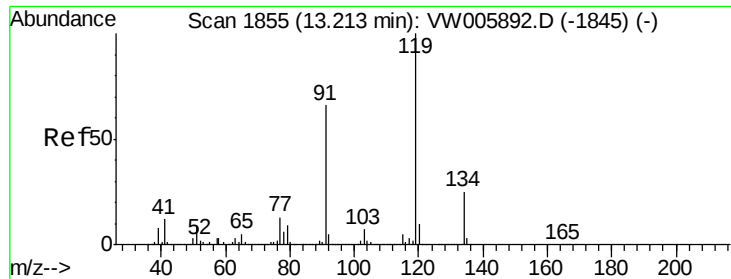
Tgt Ion: 91 Resp: 30433

Ion Ratio Lower Upper

91 100

126 33.7 17.4 52.2

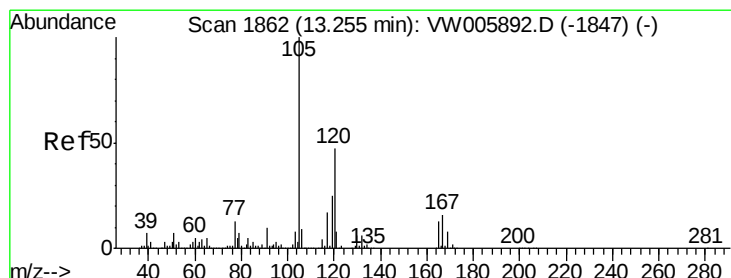
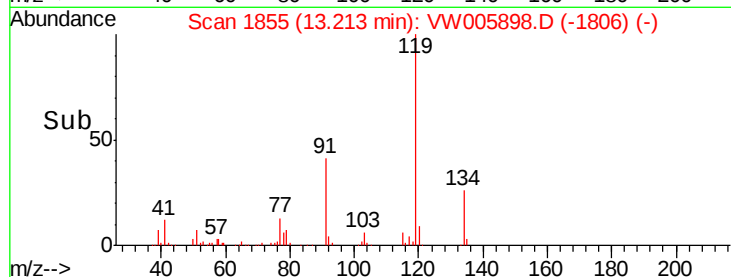
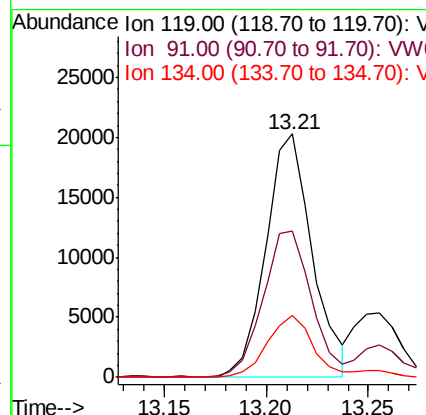
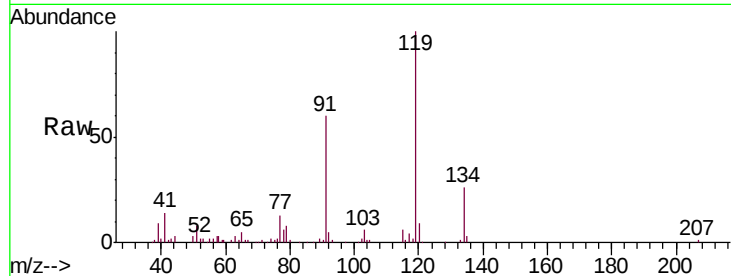




#83
 tert-Butylbenzene
 Concen: 2.636 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

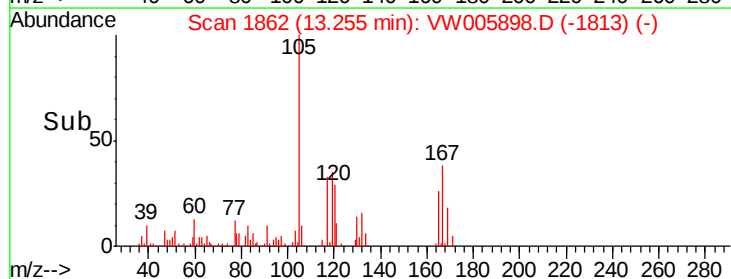
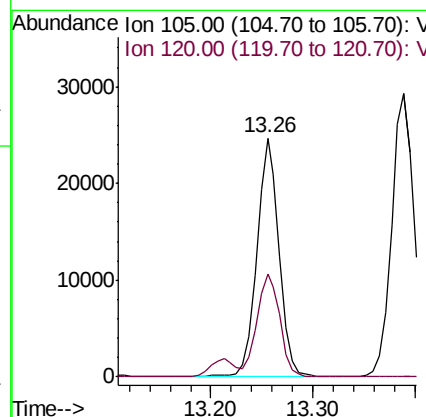
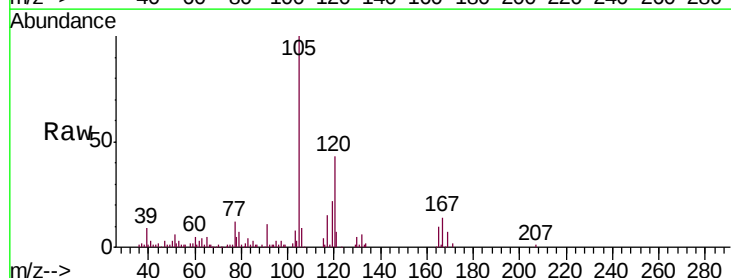
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

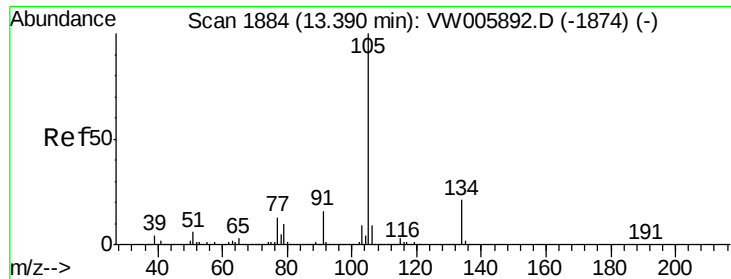
Tgt Ion:119 Resp: 32185
 Ion Ratio Lower Upper
 119 100
 91 62.3 32.4 97.0
 134 25.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.707 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:105 Resp: 37482
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.8 68.3

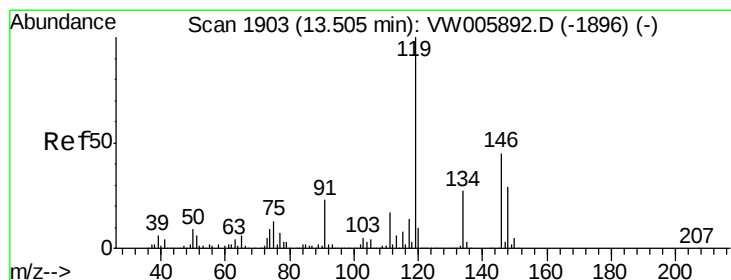
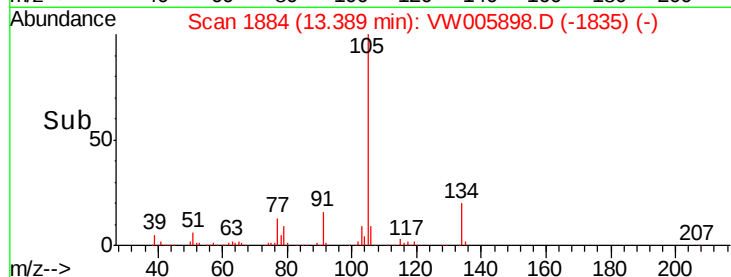
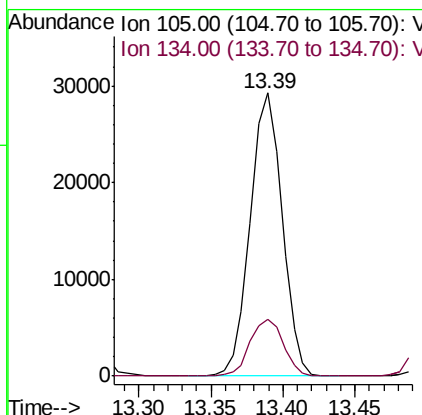
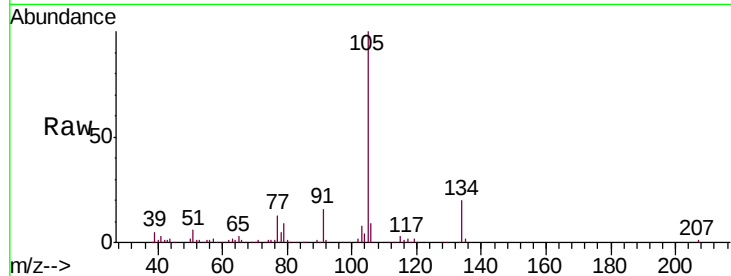




#85
 sec-Butylbenzene
 Concen: 2.623 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

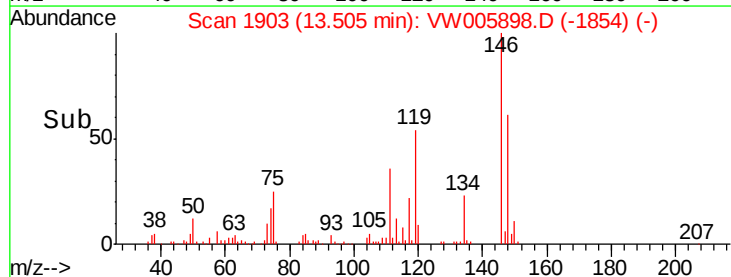
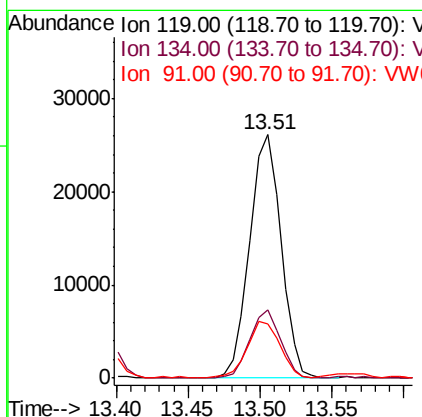
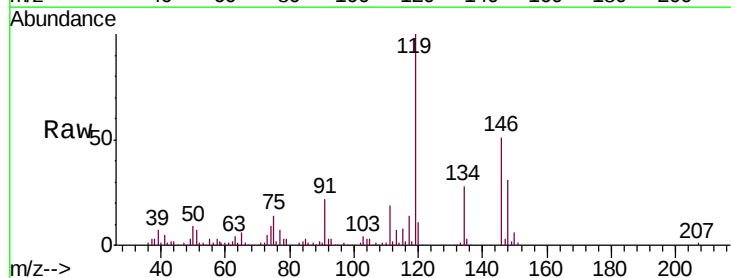
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

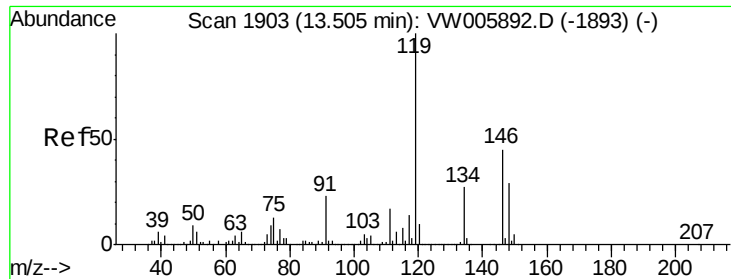
Tgt Ion:105 Resp: 44948
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 2.560 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:119 Resp: 39461
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.5
 91 24.3 11.9 35.5

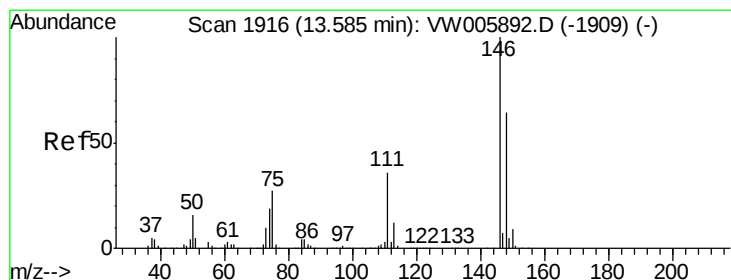
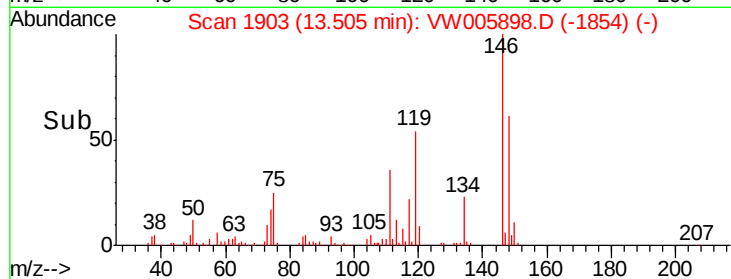
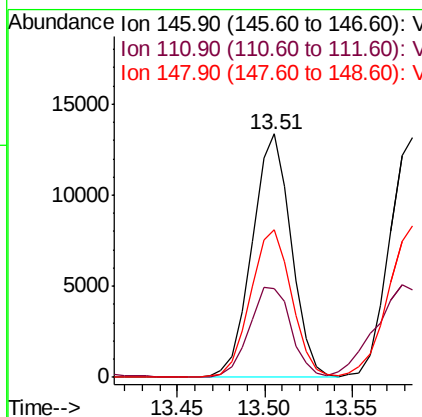
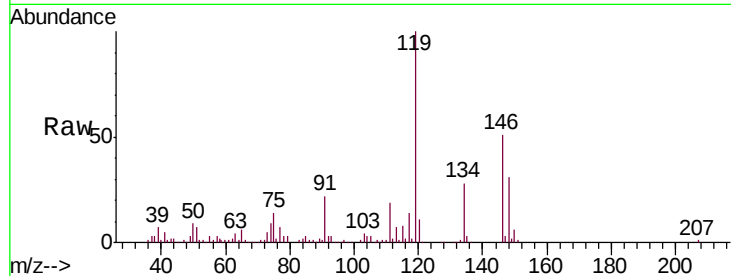




#87
 1,3-Dichlorobenzene
 Concen: 2.713 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

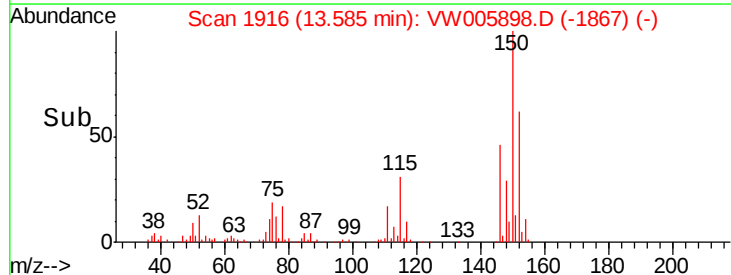
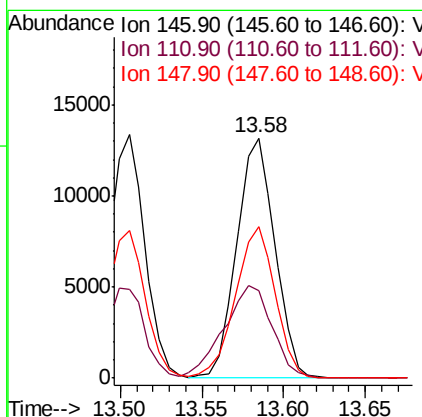
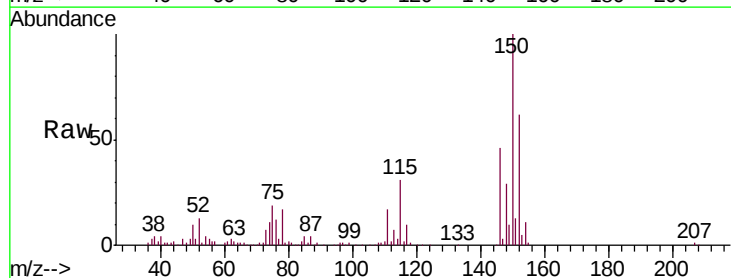
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

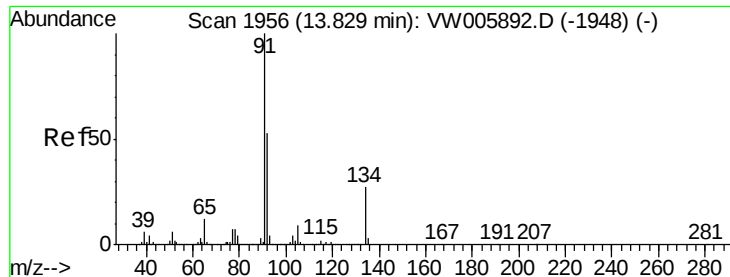
Tgt Ion:146 Resp: 20767
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.5 58.5
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.826 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:146 Resp: 21491
 Ion Ratio Lower Upper
 146 100
 111 48.7 19.0 57.0
 148 65.6 32.0 96.2





#89

n-Butylbenzene

Concen: 2.543 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005898.D

Acq: 08 Oct 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018DL

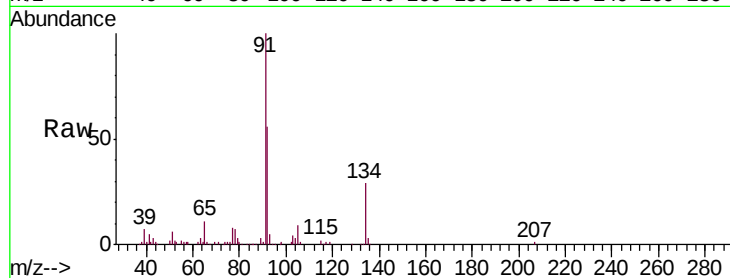
Tgt Ion: 91 Resp: 36951

Ion Ratio Lower Upper

91 100

92 53.6 26.6 79.8

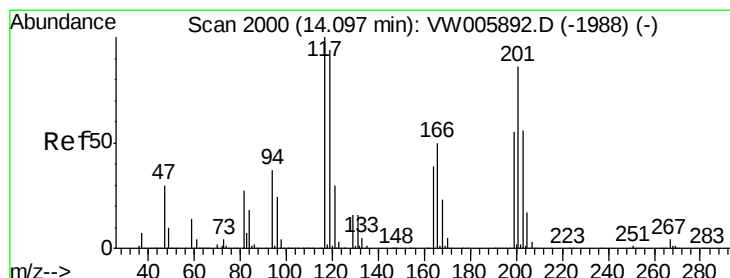
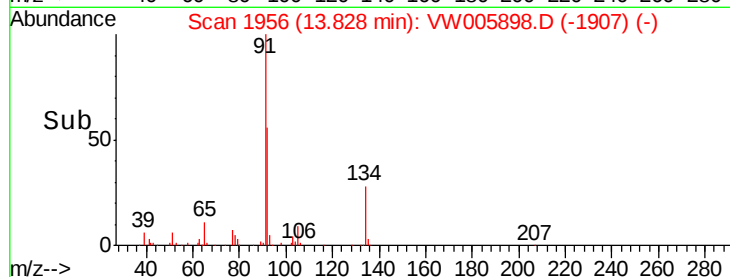
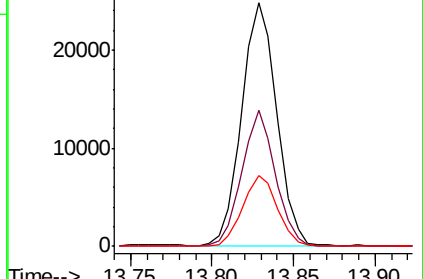
134 29.1 13.8 41.4



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): VW



#90

Hexachloroethane

Concen: 2.475 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005898.D

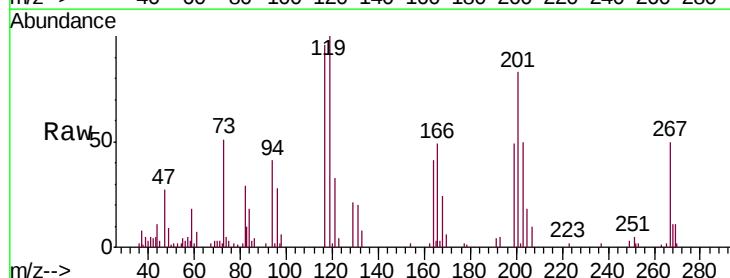
Acq: 08 Oct 2018 16:25

Tgt Ion: 117 Resp: 7174

Ion Ratio Lower Upper

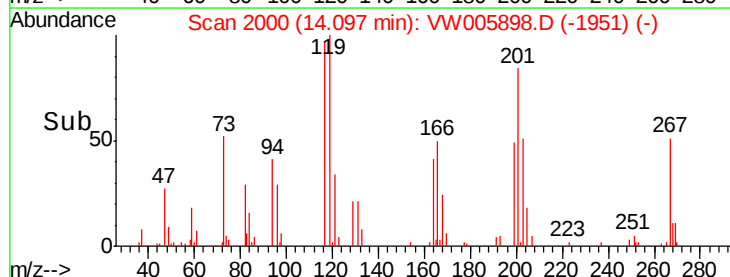
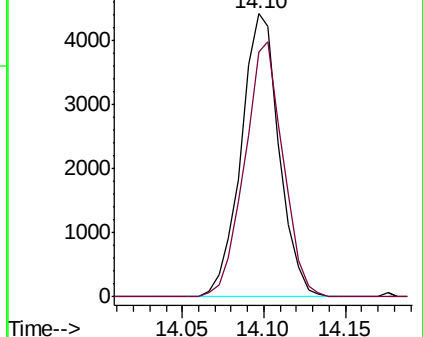
117 100

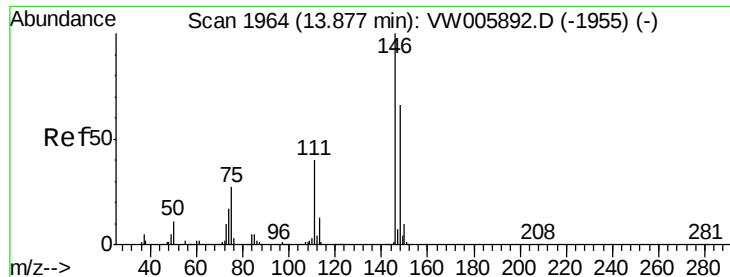
201 90.9 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

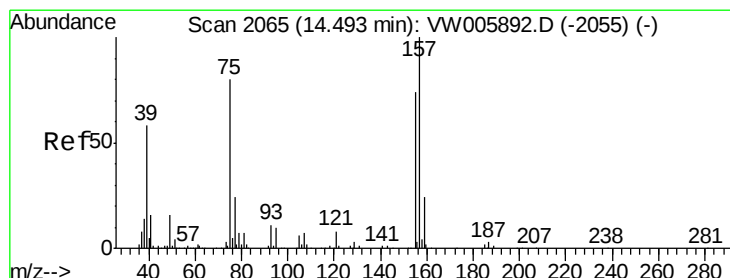
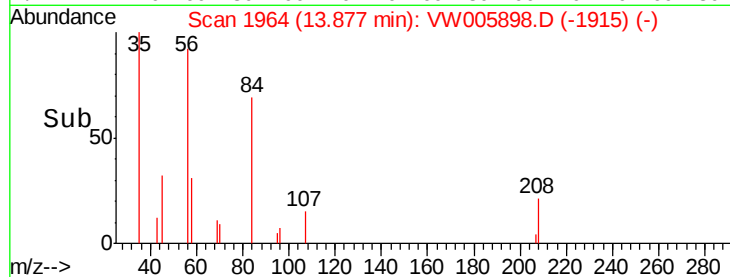
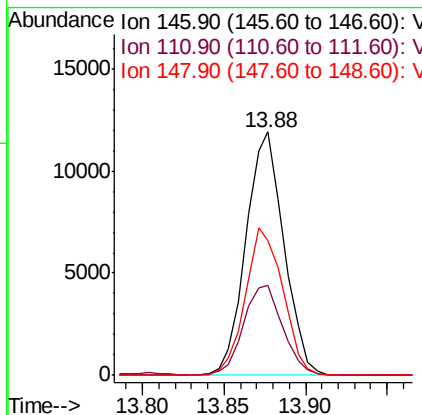
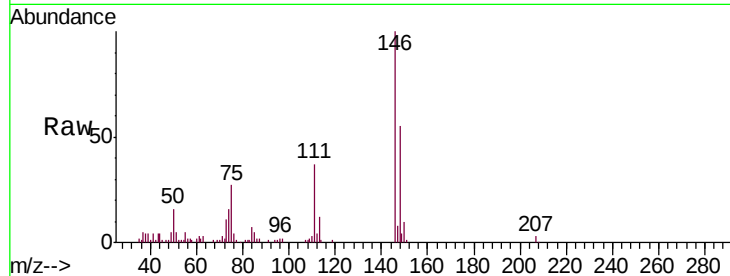




#91
 1,2-Dichlorobenzene
 Concen: 2.836 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

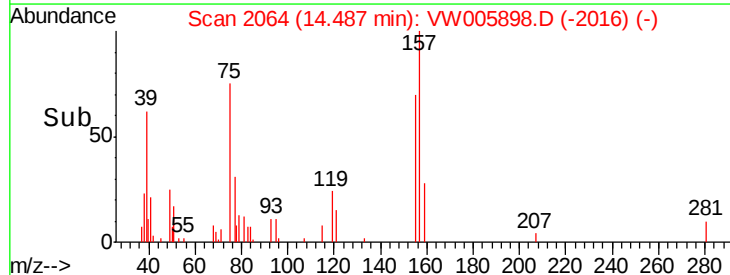
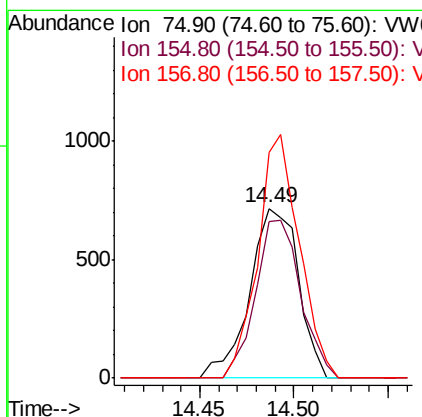
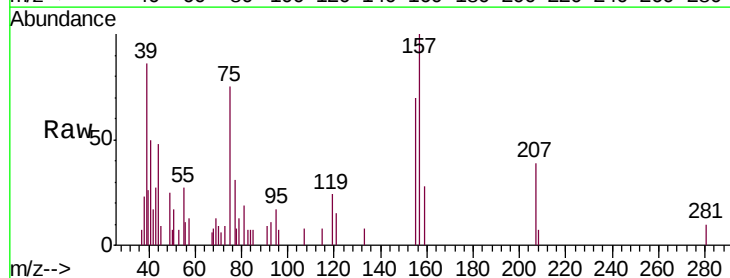
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

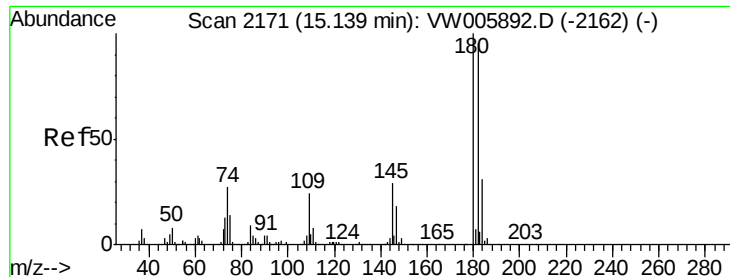
Tgt Ion: 146 Resp: 19272
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.3 61.0
 148 59.9 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.581 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion: 75 Resp: 1282
 Ion Ratio Lower Upper
 75 100
 155 86.3 44.8 134.3
 157 121.8 58.9 176.6

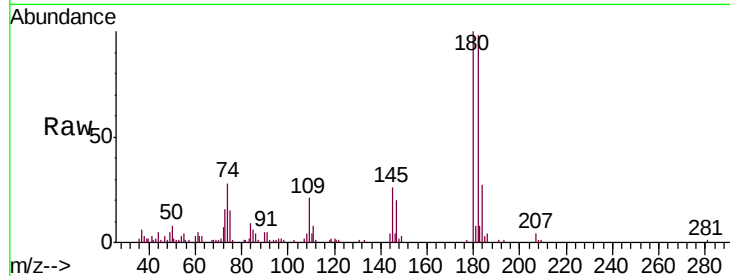




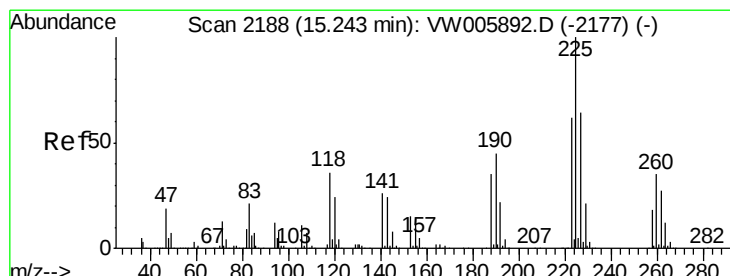
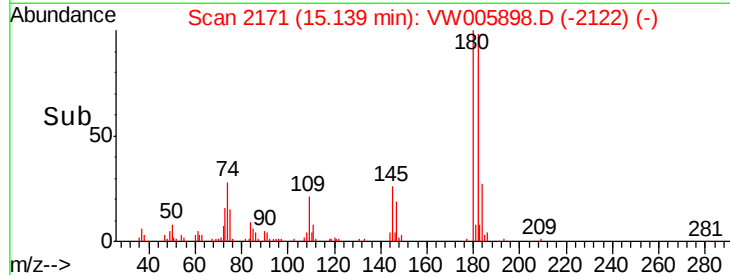
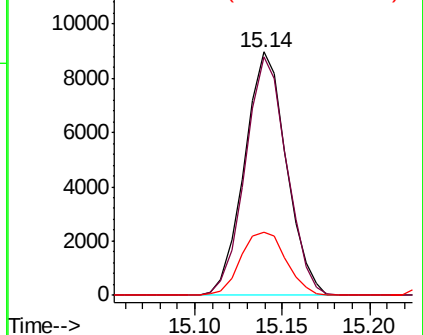
#93
 1,2,4-Trichlorobenzene
 Concen: 2.838 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:180 Resp: 14954
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.8 143.3
 145 28.1 14.5 43.6

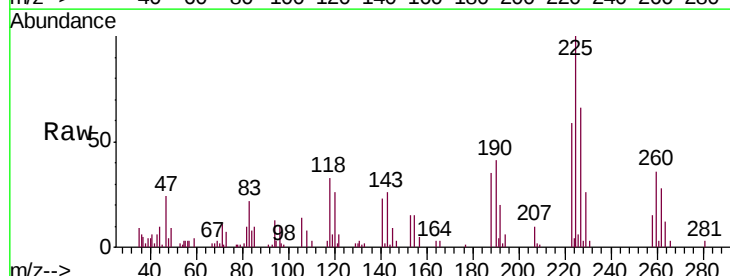


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

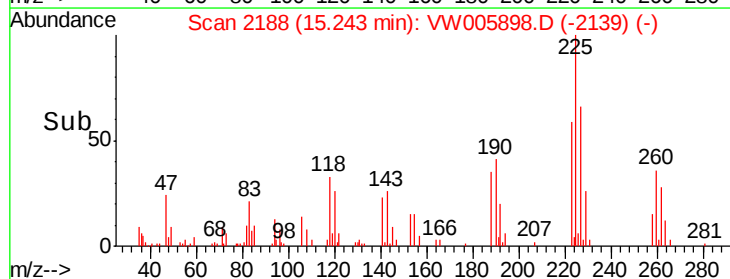
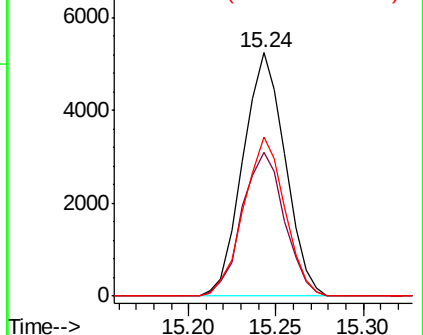


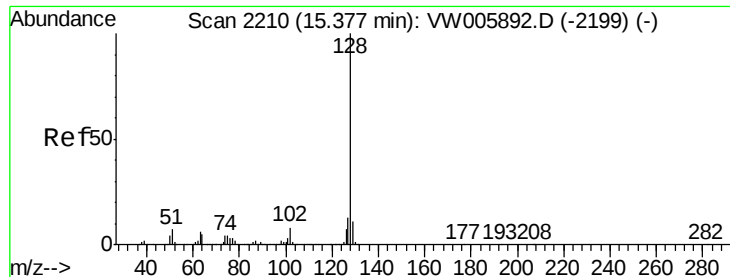
#94
 Hexachlorobutadiene
 Concen: 2.668 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005898.D
 Acq: 08 Oct 2018 16:25

Tgt Ion:225 Resp: 8773
 Ion Ratio Lower Upper
 225 100
 223 59.5 31.2 93.6
 227 63.6 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

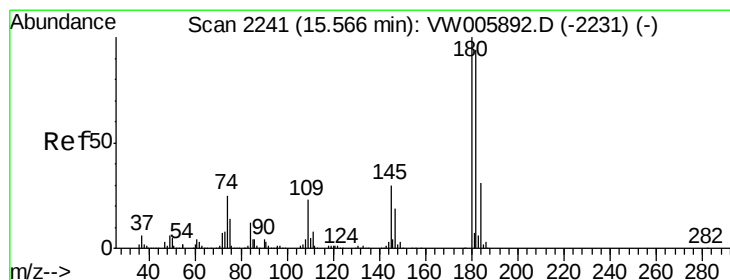
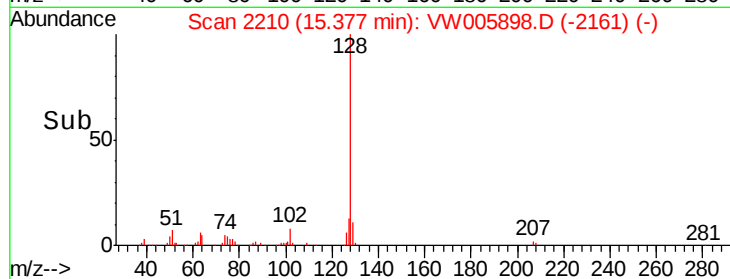
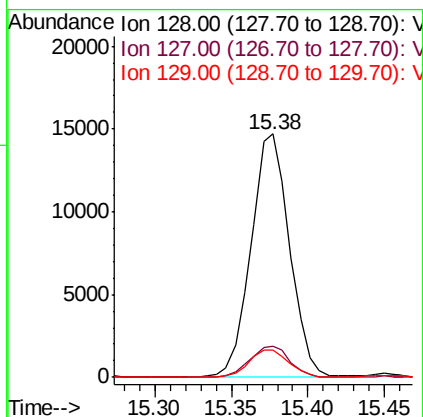
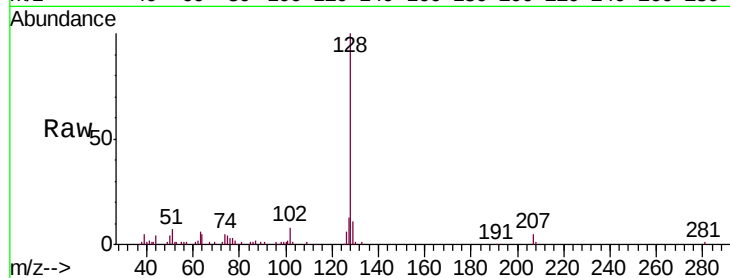




#95
Naphthalene
Concen: 2.835 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018DL

Tgt Ion:128 Resp: 25744
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.787 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005898.D
Acq: 08 Oct 2018 16:25

Tgt Ion:180 Resp: 12713
Ion Ratio Lower Upper
180 100
182 97.6 47.6 142.8
145 30.7 15.3 45.9

