

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011165.D
 Acq On : 08 Jul 2019 17:13
 Operator : SY/VA
 Sample : K3591-01LOD2.5PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jul 09 06:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	141661	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.88	113	107828	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.32	98	439369	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.62	95	159241	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4093	2.458	ug/l	92
3) Chloromethane	2.21	50	6051	2.821	ug/l	92
4) Vinyl Chloride	2.35	62	7287	2.595	ug/l	95
5) Bromomethane	2.77	94	4328	3.068	ug/l	87
6) Chloroethane	2.92	64	3675	2.430	ug/l	92
7) Trichlorofluoromethane	3.25	101	2073	2.078	ug/l #	80
8) Diethyl Ether	3.68	74	3754	2.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6822	2.855	ug/l	96
10) Methyl Iodide	4.26	142	8332	2.536	ug/l	100
11) Tert butyl alcohol	5.18	59	3050	14.687	ug/l	98
12) 1,1-Dichloroethene	4.04	96	6212	2.505	ug/l	87
13) Acrolein	3.89	56	2052	12.409	ug/l	94
14) Allyl chloride	4.66	41	10973	2.427	ug/l	95
15) Acrylonitrile	5.36	53	9296	13.225	ug/l	99
16) Acetone	4.12	43	11617	17.213	ug/l	96
17) Carbon Disulfide	4.37	76	17638	2.346	ug/l	98
18) Methyl Acetate	4.67	43	8325	3.010	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	10020	2.663	ug/l	99
20) Methylene Chloride	4.91	84	11129	4.180	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	6564	2.547	ug/l	90
22) Diisopropyl ether	6.31	45	25115	2.582	ug/l #	89
23) Vinyl Acetate	6.26	43	60687	10.082	ug/l	99
24) 1,1-Dichloroethane	6.21	63	13168	2.578	ug/l	99
25) 2-Butanone	7.17	43	13062	12.329	ug/l	99
26) 2,2-Dichloropropane	7.16	77	6603	2.487	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	7349	2.644	ug/l	97
28) Bromochloromethane	7.51	49	6854	2.951	ug/l	100
29) Tetrahydrofuran	7.53	42	9402	13.535	ug/l	100
30) Chloroform	7.67	83	13215	2.794	ug/l	99
31) Cyclohexane	7.95	56	18489	3.403	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	9042	2.513	ug/l	98
36) 1,1-Dichloropropene	8.08	75	10138	2.531	ug/l	99
37) Ethyl Acetate	7.26	43	5919	2.459	ug/l #	96
38) Carbon Tetrachloride	8.07	117	8153	2.401	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	12669	2.610	ug/l	92
40) Benzene	8.32	78	29493	2.664	ug/l	98
41) Methacrylonitrile	7.48	41	3851	2.798	ug/l	94
42) 1,2-Dichloroethane	8.40	62	9730	2.710	ug/l	98
43) Isopropyl Acetate	8.43	43	11610	2.555	ug/l	99
44) Trichloroethene	9.09	130	6811	2.557	ug/l	99
45) 1,2-Dichloropropane	9.37	63	7714	2.573	ug/l	97
46) Dibromomethane	9.46	93	3561	2.529	ug/l	98
47) Bromodichloromethane	9.64	83	8948	2.483	ug/l	92
48) Methyl methacrylate	9.44	41	5107	2.336	ug/l	95
49) 1,4-Dioxane	9.45	88	1343	57.138	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	28728	12.104	ug/l	98
52) Toluene	10.38	92	17499	2.606	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	8619	2.247	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	10565	2.340	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	5139	2.572	ug/l	91
56) Ethyl methacrylate	10.65	69	7039	2.314	ug/l	98
57) 1,3-Dichloropropane	10.93	76	9833	2.603	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	17060	12.099	ug/l	98
59) 2-Hexanone	10.97	43	19286	11.717	ug/l	99
60) Dibromochloromethane	11.13	129	5036	2.299	ug/l	99
61) 1,2-Dibromoethane	11.23	107	4597	2.429	ug/l	99
64) Tetrachloroethene	10.86	164	6266	2.791	ug/l	96
65) Chlorobenzene	11.66	112	17763	2.626	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	5671	2.381	ug/l	98
67) Ethyl Benzene	11.73	91	32241	2.490	ug/l	98
68) m/p-Xylenes	11.84	106	23601	5.037	ug/l	99
69) o-Xylene	12.16	106	10983	2.487	ug/l	99
70) Styrene	12.18	104	18165	2.383	ug/l	98
71) Bromoform	12.35	173	2948	2.328	ug/l #	94
73) Isopropylbenzene	12.46	105	30460	2.529	ug/l	99
74) N-amyl acetate	12.27	43	9457	2.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	6377	2.583	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	8473	4.551	ug/l #	100
77) Bromobenzene	12.75	156	7140	2.642	ug/l	97
78) n-propylbenzene	12.80	91	38155	2.572	ug/l	100
79) 2-Chlorotoluene	12.89	91	22476	2.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	25299	2.473	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	86984	105.670	ug/l #	5
82) 4-Chlorotoluene	12.99	91	23184	2.607	ug/l	99
83) tert-Butylbenzene	13.21	119	21657	2.538	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	25875	2.519	ug/l	98
85) sec-Butylbenzene	13.38	105	31087	2.525	ug/l	97
86) p-Isopropyltoluene	13.50	119	27663	2.505	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	14185	2.728	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	14527	2.774	ug/l	87
89) n-Butylbenzene	13.83	91	28432	2.581	ug/l	100
90) Hexachloroethane	14.10	117	5001	2.478	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	12483	2.646	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1088	2.485	ug/l	96

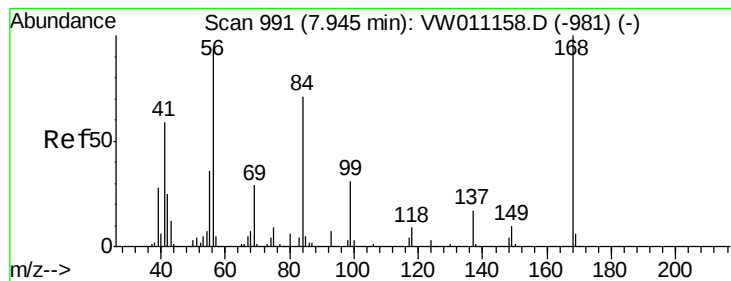
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8545	2.630	ug/l	98
94) Hexachlorobutadiene	15.24	225	5820	2.917	ug/l	98
95) Naphthalene	15.37	128	14514	2.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	8020	2.797	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

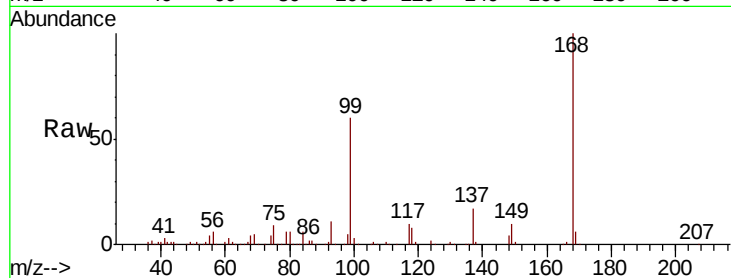
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:168 Resp: 223227

Ion Ratio Lower Upper

168 100

99 60.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

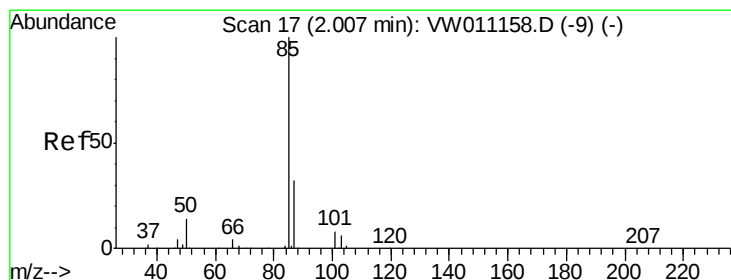
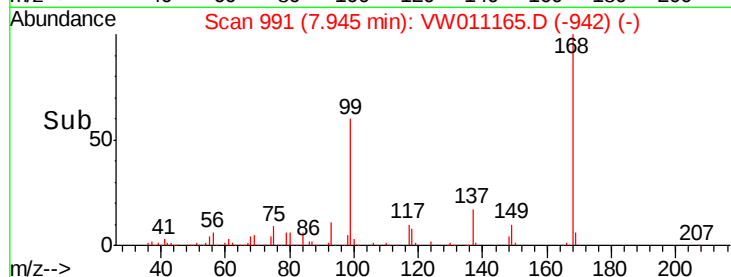
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.458 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011165.D

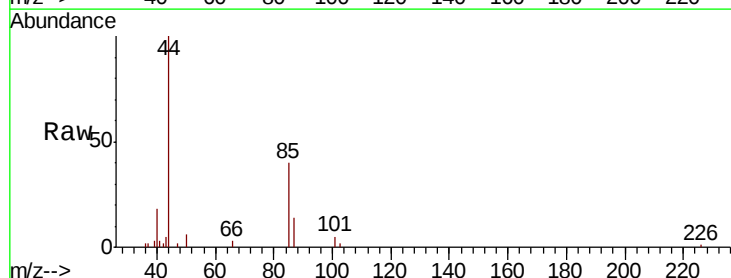
Acq: 08 Jul 2019 17:13

Tgt Ion: 85 Resp: 4093

Ion Ratio Lower Upper

85 100

87 36.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

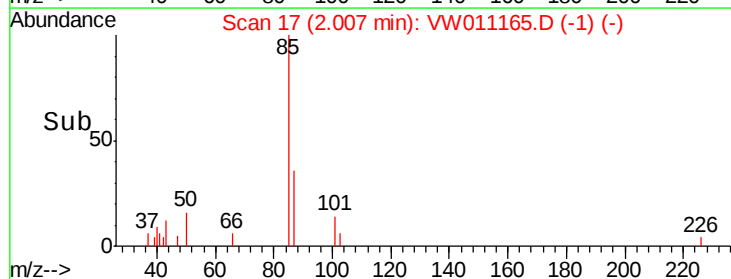
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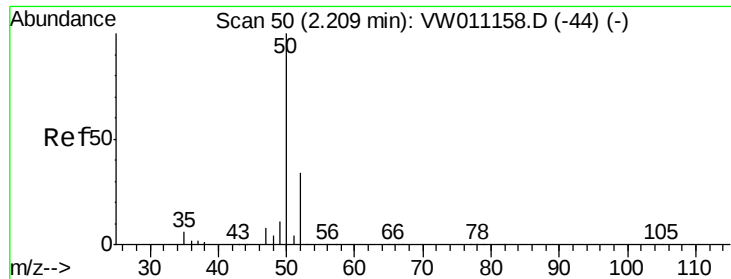
1000

500

0

Time-->





#3

Chloromethane

Concen: 2.821 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

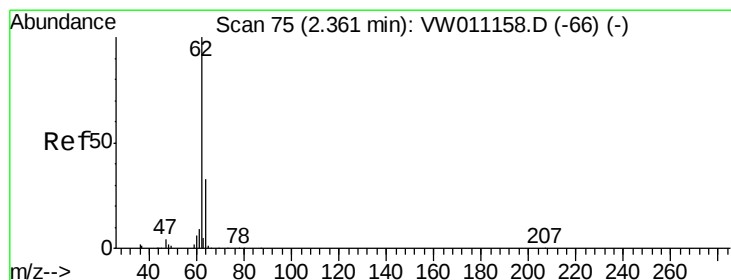
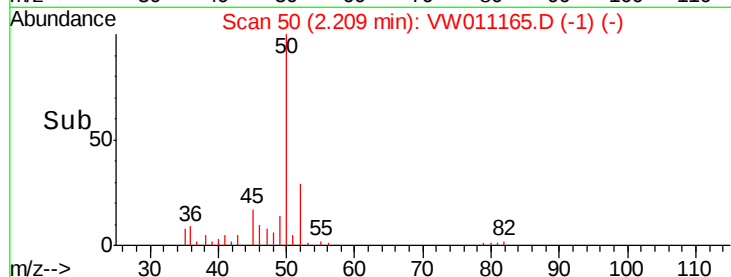
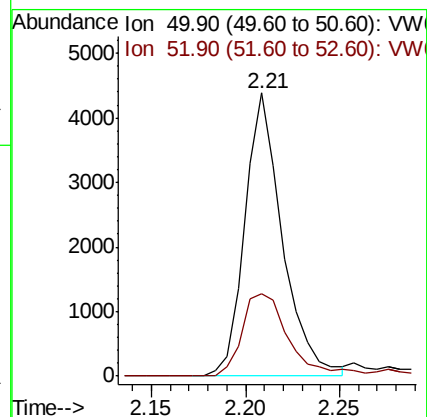
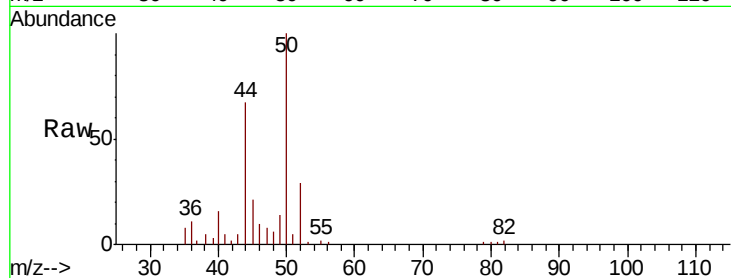
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 50 Resp: 6051

Ion Ratio Lower Upper

50 100

52 29.2 26.9 40.3



#4

Vinyl Chloride

Concen: 2.595 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011165.D

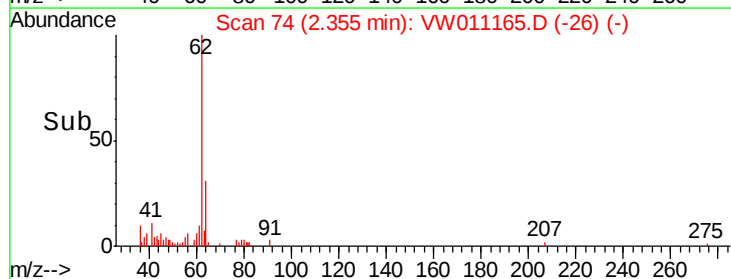
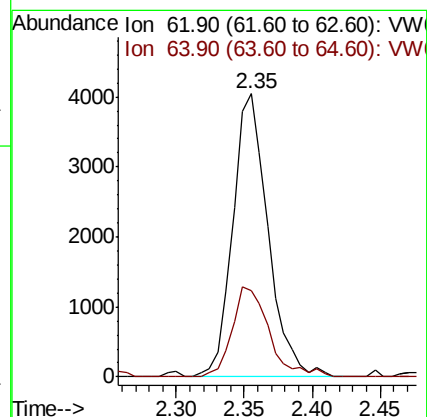
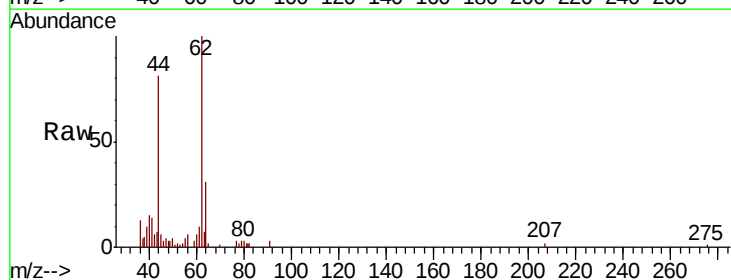
Acq: 08 Jul 2019 17:13

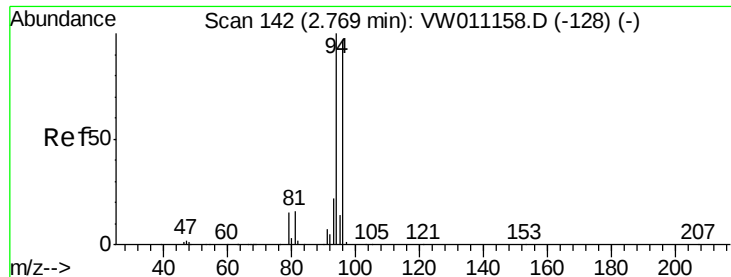
Tgt Ion: 62 Resp: 7287

Ion Ratio Lower Upper

62 100

64 30.5 26.6 40.0





#5

Bromomethane

Concen: 3.068 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

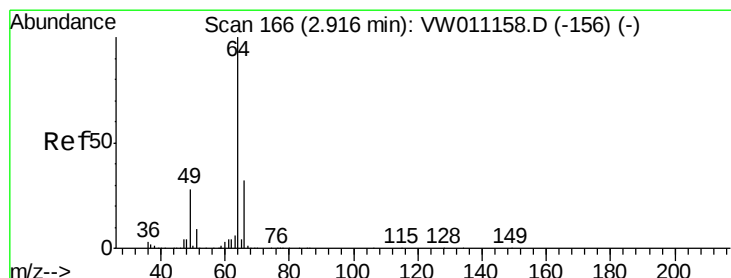
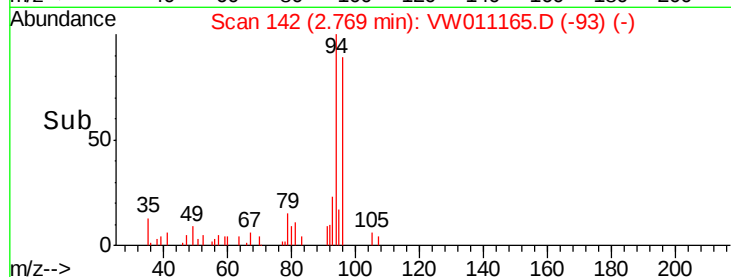
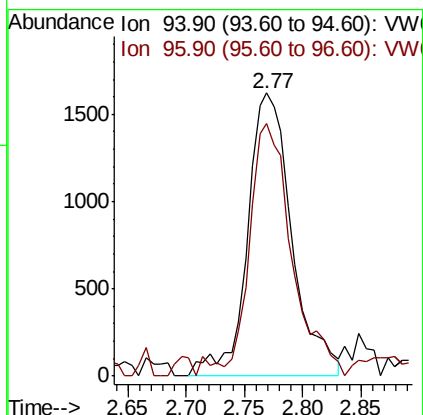
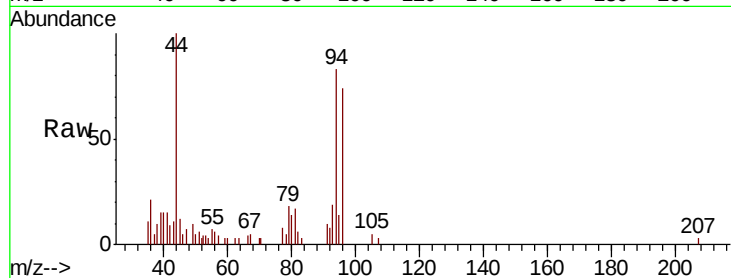
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 94 Resp: 4328

Ion Ratio Lower Upper

94 100

96 84.0 77.4 116.0



#6

Chloroethane

Concen: 2.430 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011165.D

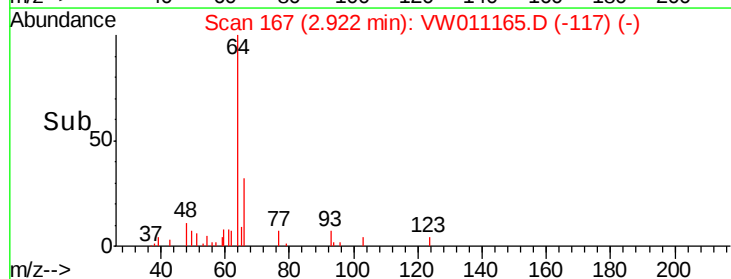
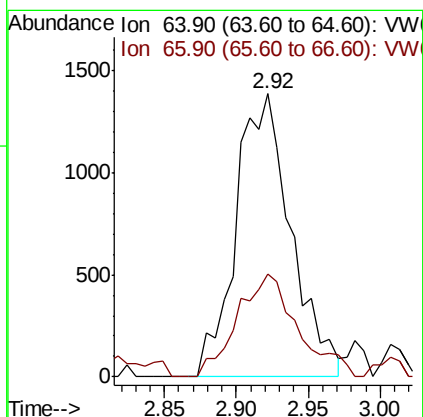
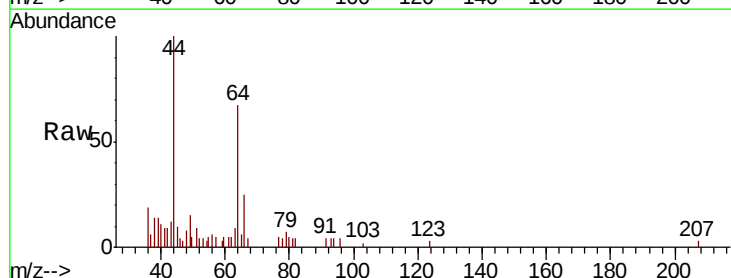
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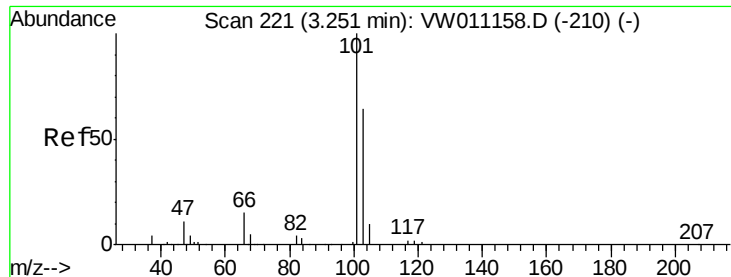
Tgt Ion: 64 Resp: 3675

Ion Ratio Lower Upper

64 100

66 36.6 25.8 38.8



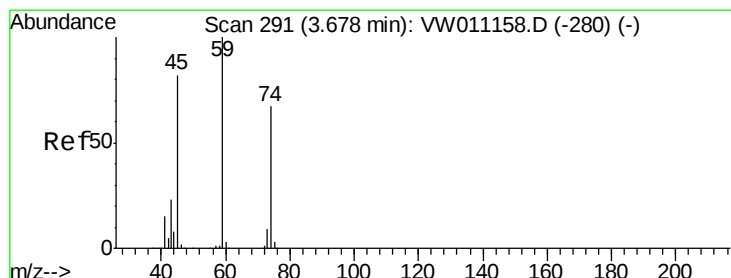
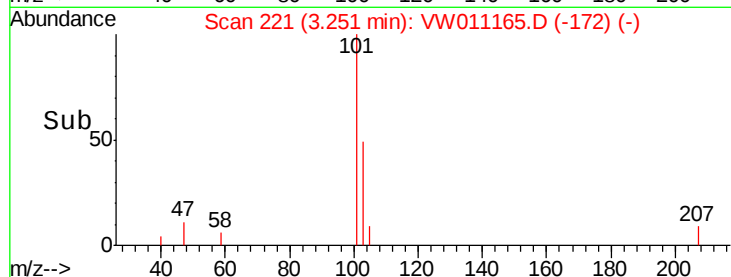
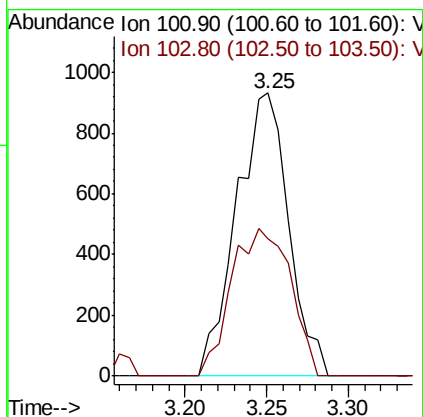
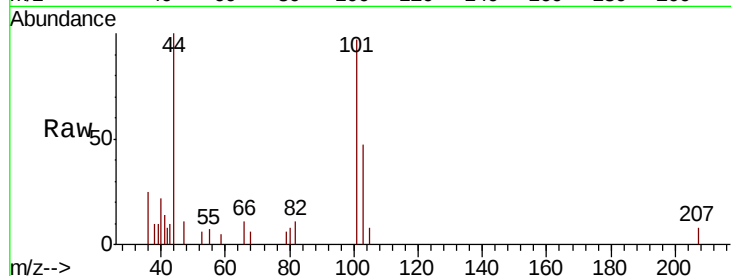


#7

Trichlorofluoromethane
 Concen: 2.078 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW011165.D
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 LOD-MDL-SOIL-01-QT3-2019

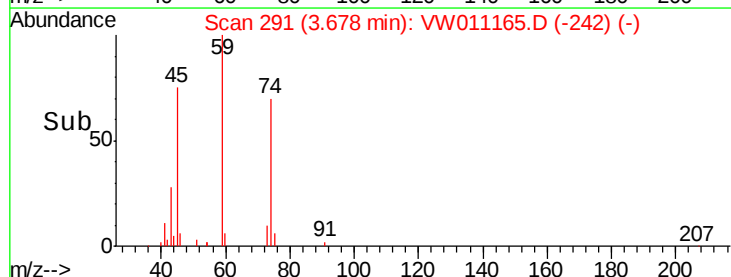
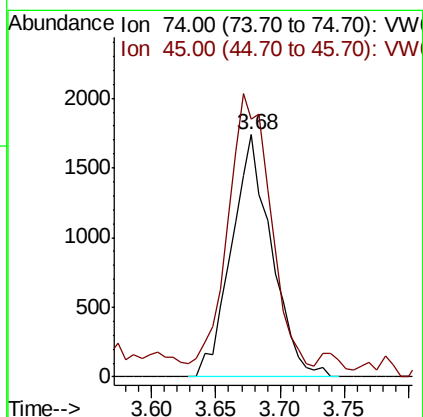
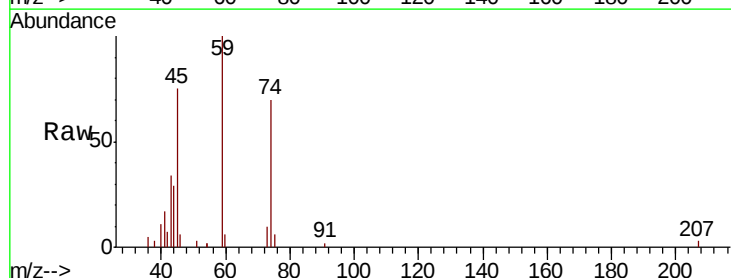
Tot Ion:101 Resp: 2073
 Ion Ratio Lower Upper
 101 100
 103 48.6 51.3 76.9#

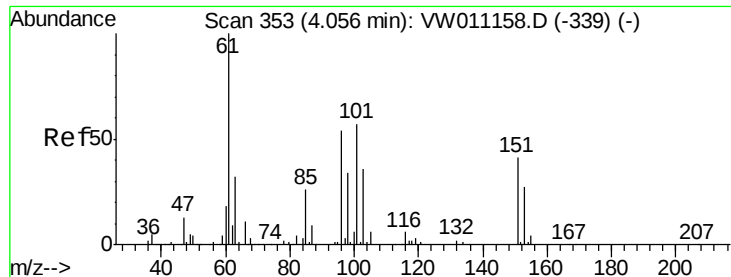


#8

Diethyl Ether
 Concen: 2.720 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW011165.D
 Acq: 08 Jul 2019 17:13

Tgt Ion: 74 Resp: 3754
 Ion Ratio Lower Upper
 74 100
 45 118.8 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.855 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

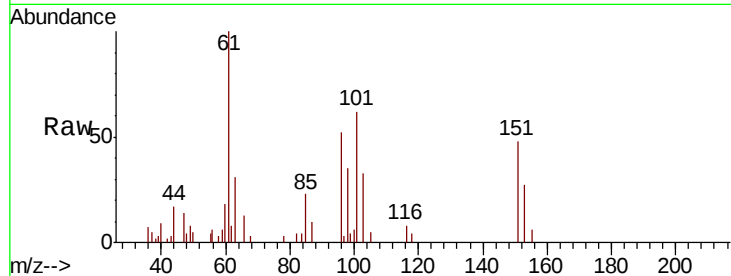
Tot Ion:101 Resp: 6822

Ion Ratio Lower Upper

101 100

85 45.0 36.5 54.7

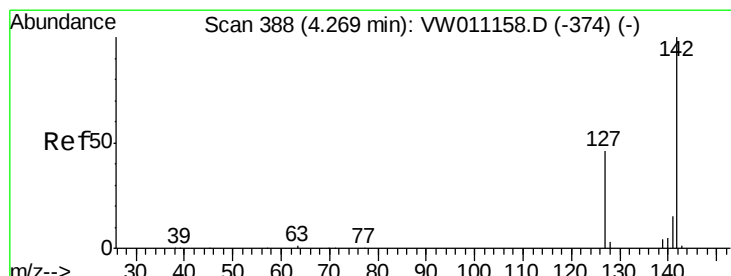
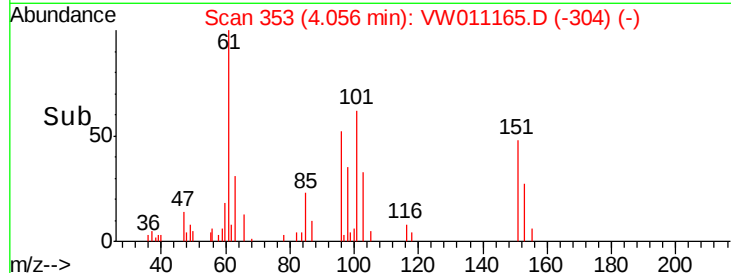
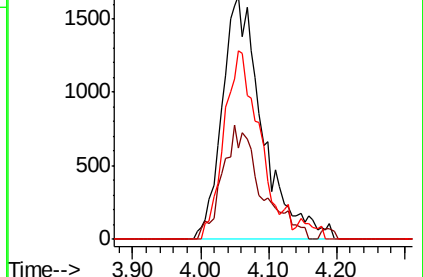
151 68.9 59.1 88.7



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: 2.536 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

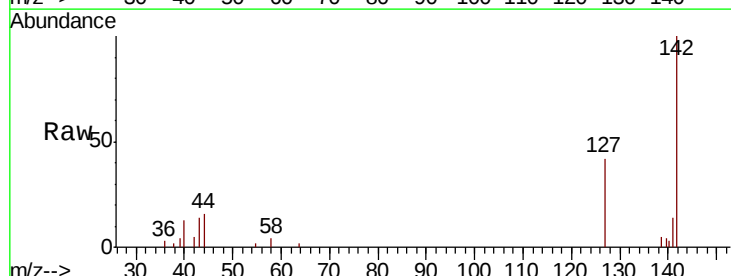
Tgt Ion:142 Resp: 8332

Ion Ratio Lower Upper

142 100

127 44.4 35.7 53.5

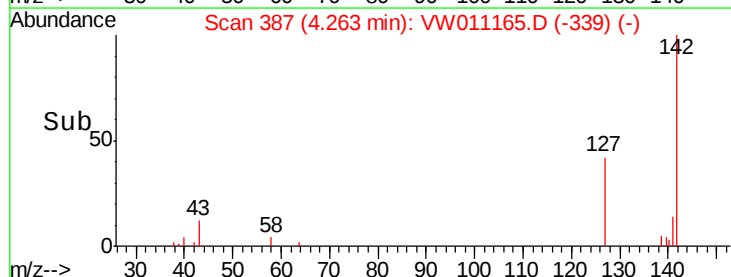
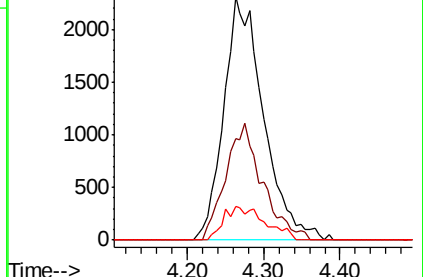
141 14.4 11.5 17.3

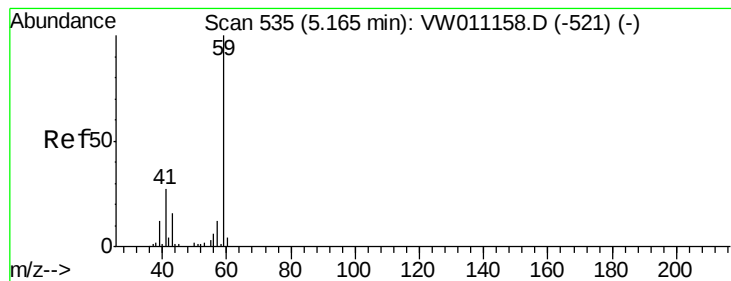


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



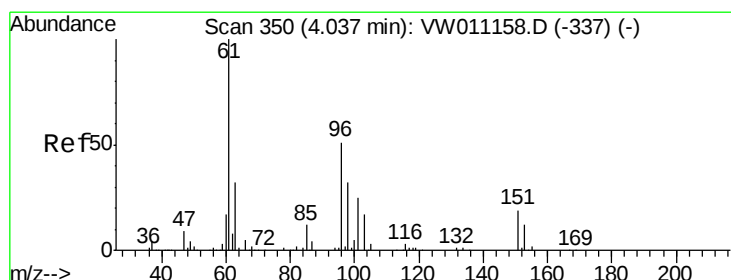
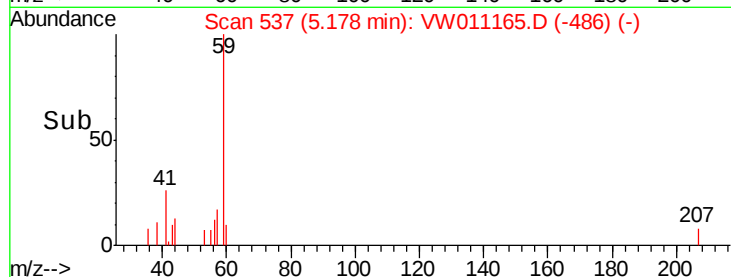
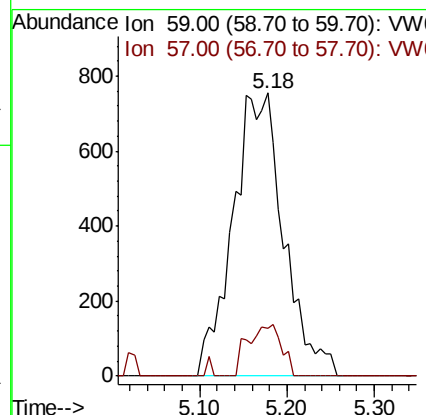
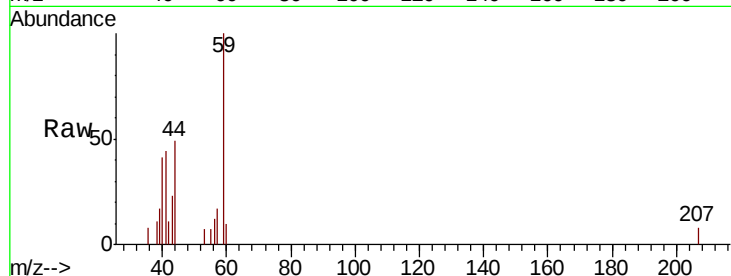


#11

Tert butyl alcohol
Concen: 14.687 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

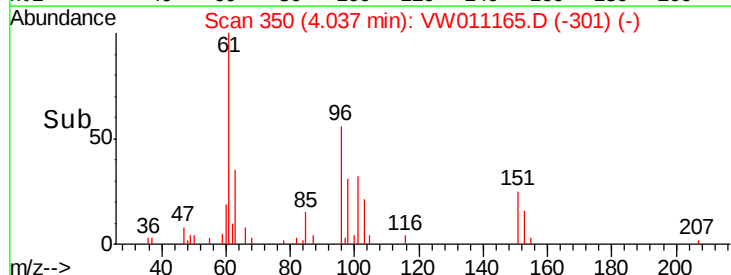
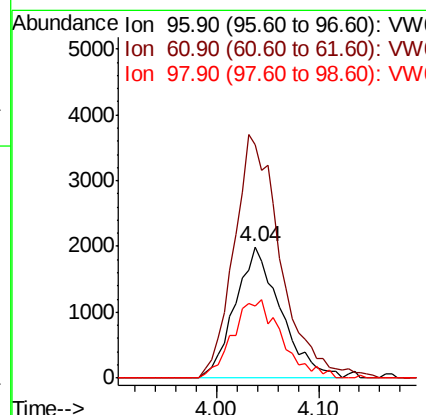
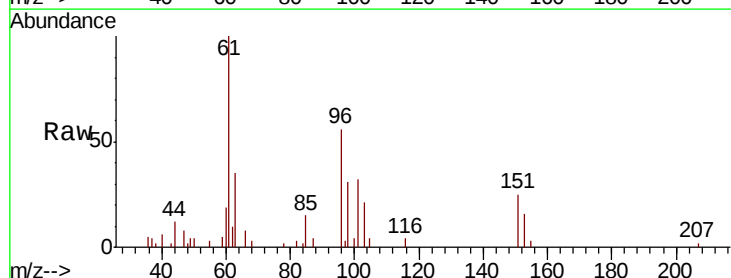
Tot Ion: 59 Resp: 3050
Ion Ratio Lower Upper
59 100
57 12.1 9.0 13.6

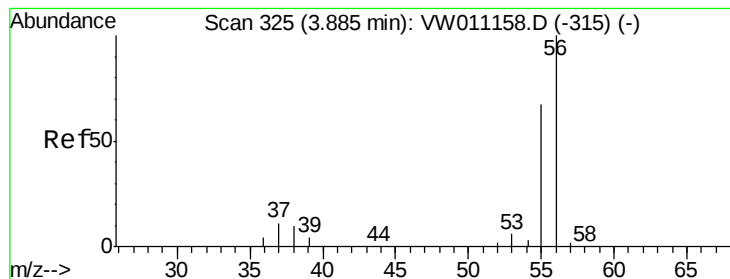


#12

1,1-Dichloroethene
Concen: 2.505 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 96 Resp: 6212
Ion Ratio Lower Upper
96 100
61 177.7 157.7 236.5
98 54.4 50.9 76.3





#13

Acrolein

Concen: 12.409 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

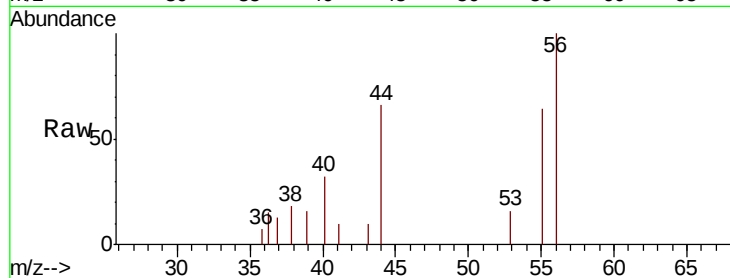
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 56 Resp: 2052

Ion Ratio Lower Upper

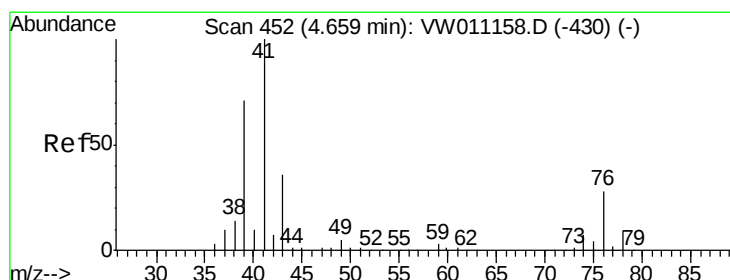
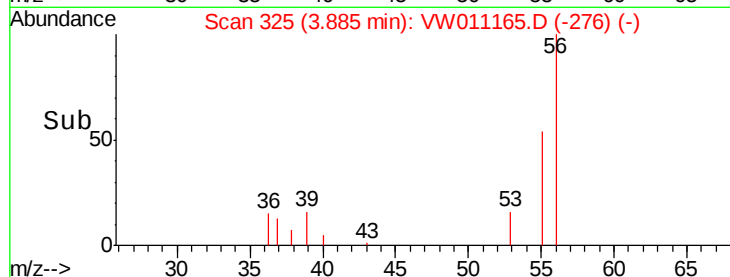
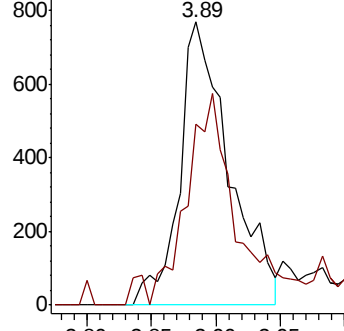
56 100

55 75.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 2.427 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

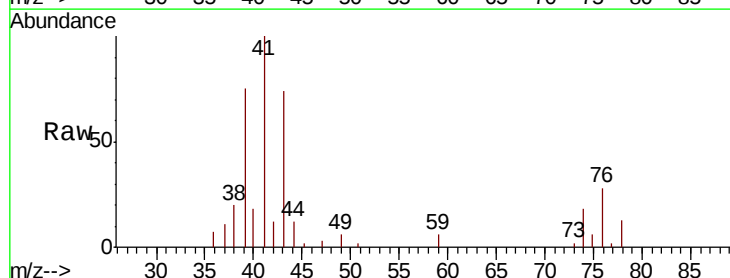
Tgt Ion: 41 Resp: 10973

Ion Ratio Lower Upper

41 100

39 73.2 55.1 82.7

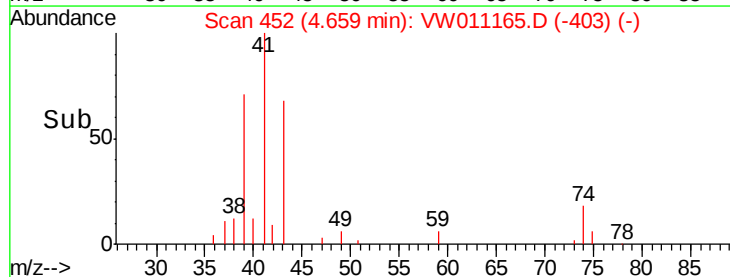
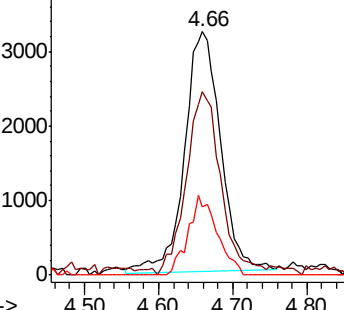
76 26.6 22.5 33.7

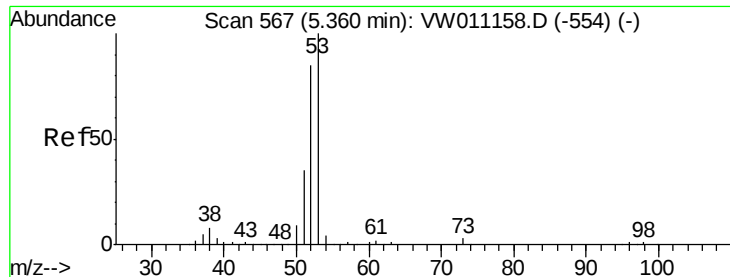


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 13.225 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

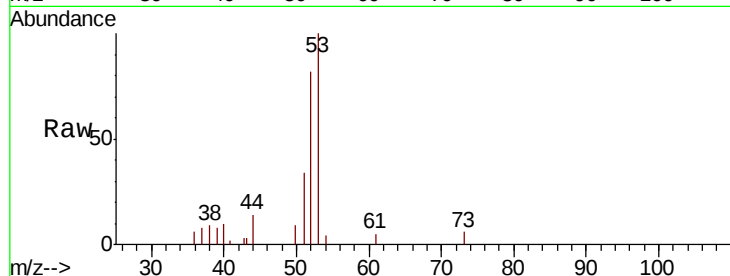
Tot Ion: 53 Resp: 9296

Ion Ratio Lower Upper

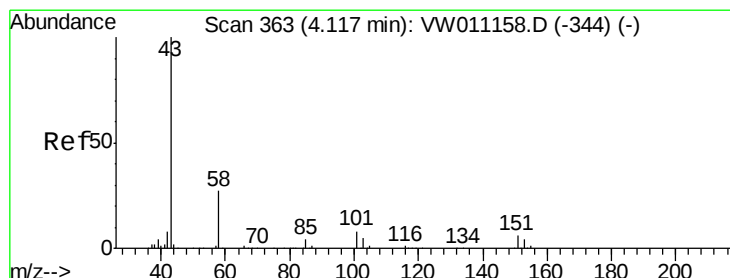
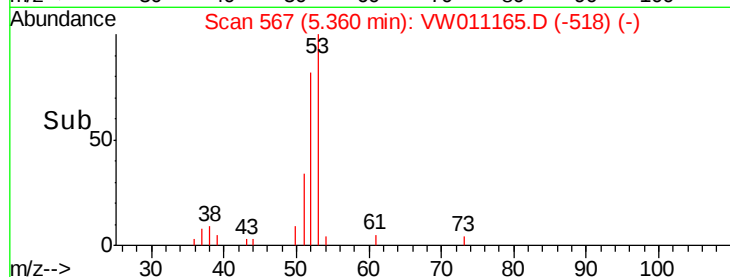
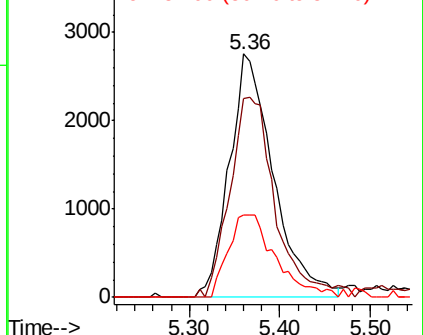
53 100

52 84.6 66.2 99.4

51 36.3 29.1 43.7



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: 17.213 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011165.D

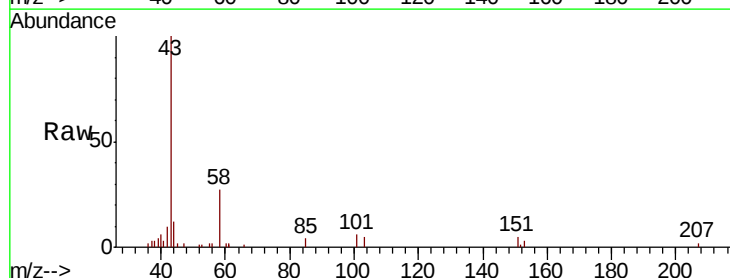
Acq: 08 Jul 2019 17:13

Tgt Ion: 43 Resp: 11617

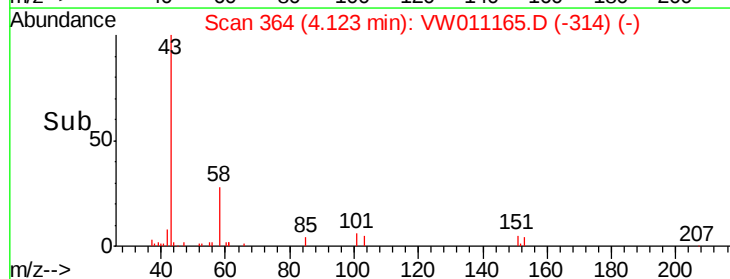
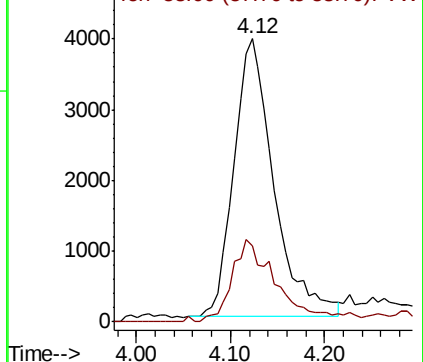
Ion Ratio Lower Upper

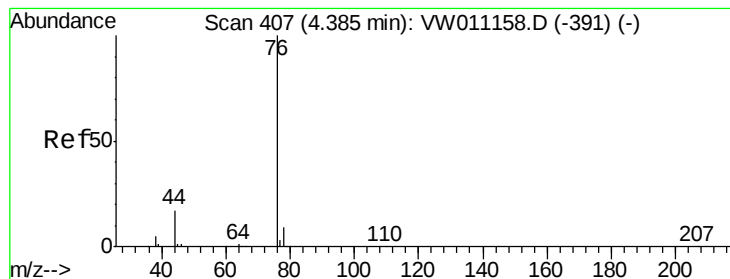
43 100

58 25.4 21.8 32.6



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





#17

Carbon Disulfide

Concen: 2.346 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

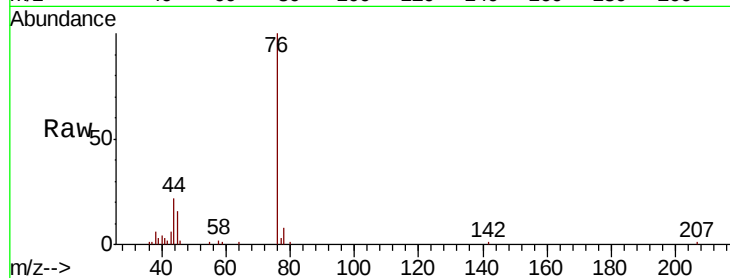
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 76 Resp: 17638

Ion Ratio Lower Upper

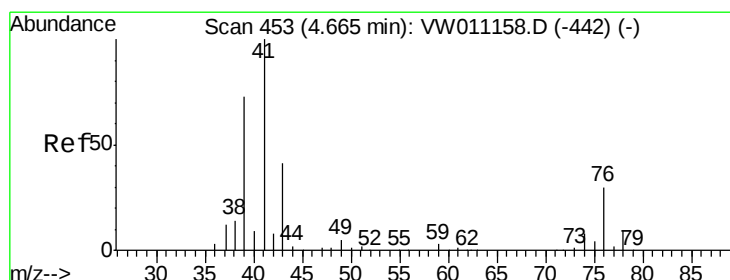
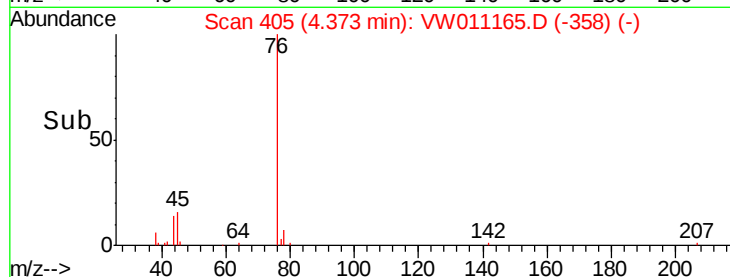
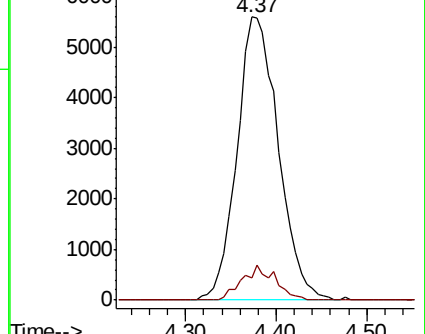
76 100

78 8.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 3.010 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011165.D

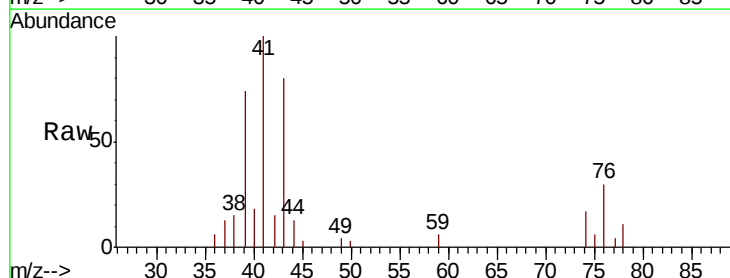
Acq: 08 Jul 2019 17:13

Tgt Ion: 43 Resp: 8325

Ion Ratio Lower Upper

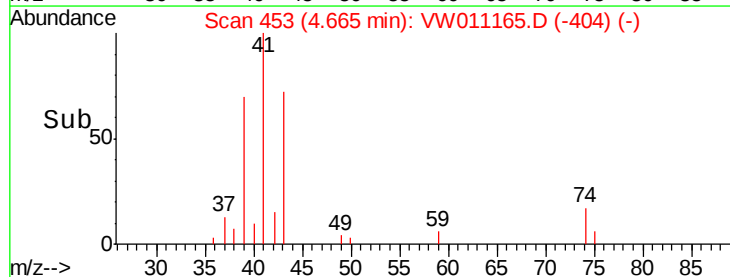
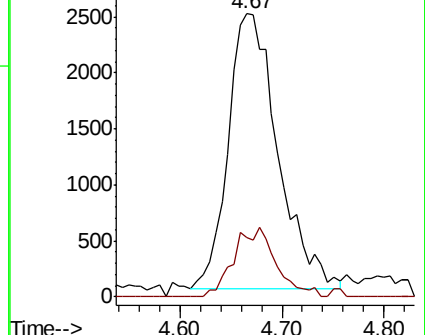
43 100

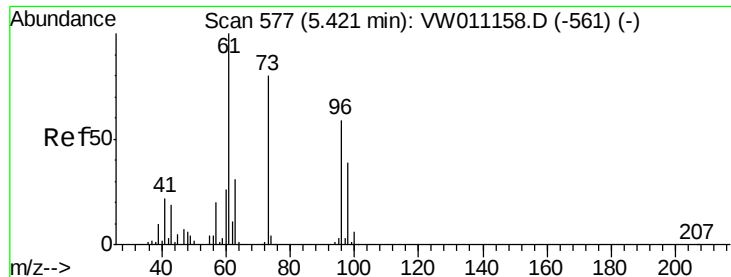
74 21.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

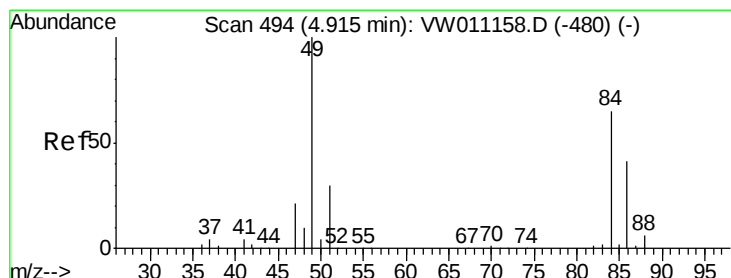
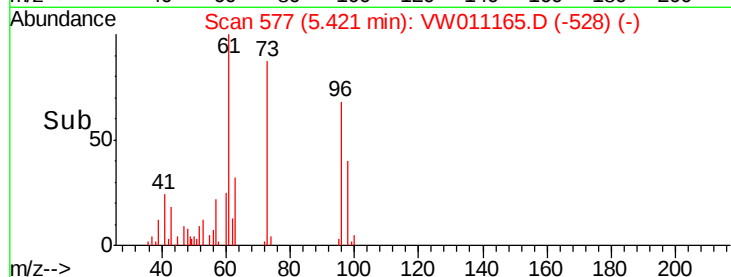
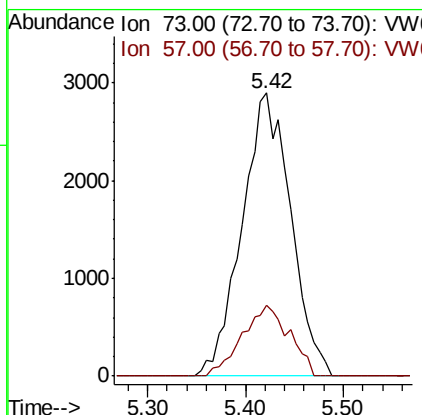
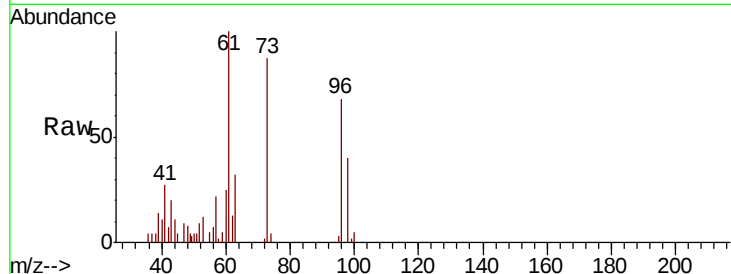




#19
Methyl tert-butyl Ether
Concen: 2.663 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

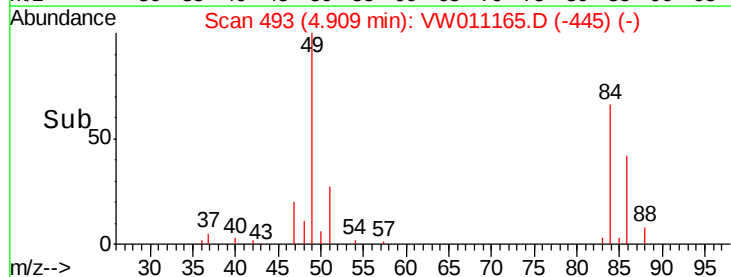
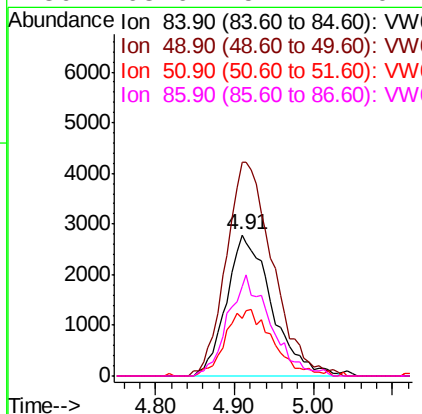
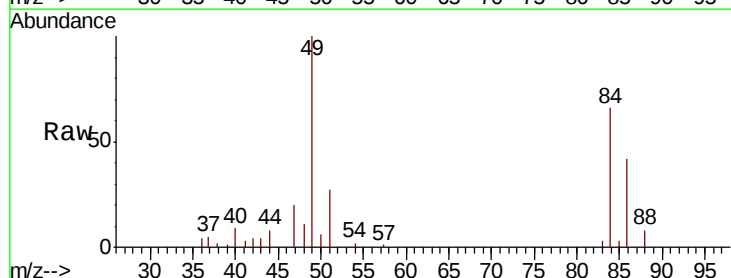
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

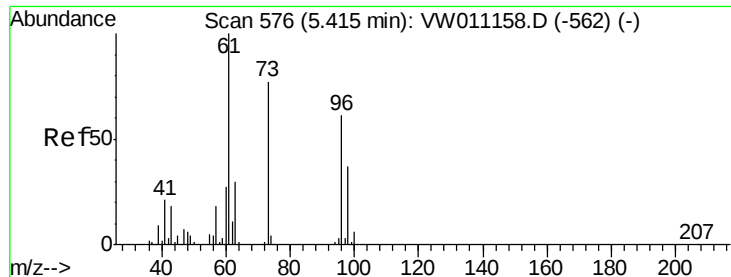
Tot Ion: 73 Resp: 10020
Ion Ratio Lower Upper
73 100
57 25.1 19.7 29.5



#20
Methylene Chloride
Concen: 4.180 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 84 Resp: 11129
Ion Ratio Lower Upper
84 100
49 151.1 123.8 185.6
51 40.7 37.4 56.2
86 63.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 2.547 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

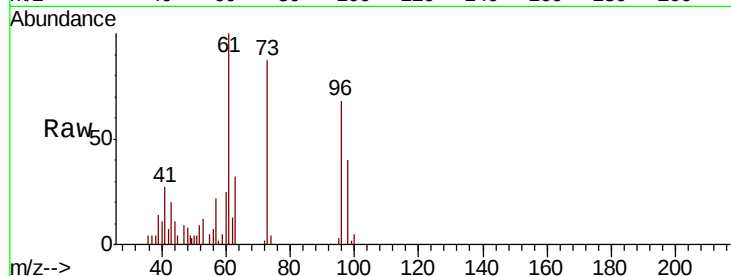
Tot Ion: 96 Resp: 6564

Ion Ratio Lower Upper

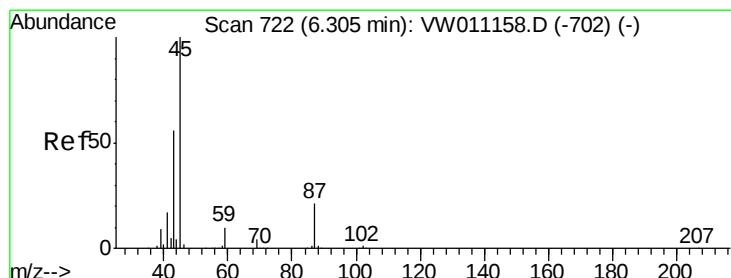
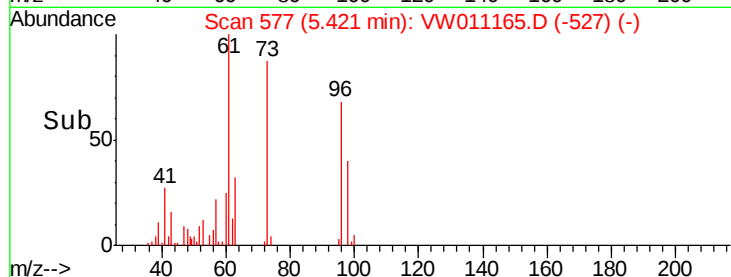
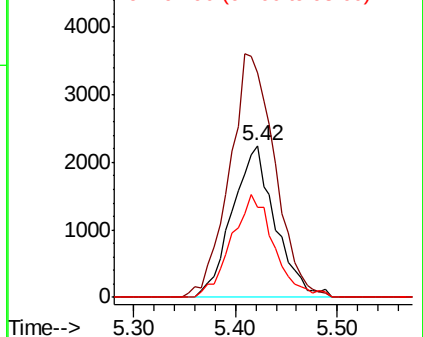
96 100

61 147.7 132.2 198.2

98 59.0 49.4 74.0



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



#22

Diisopropyl ether

Concen: 2.582 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Tgt Ion: 45 Resp: 25115

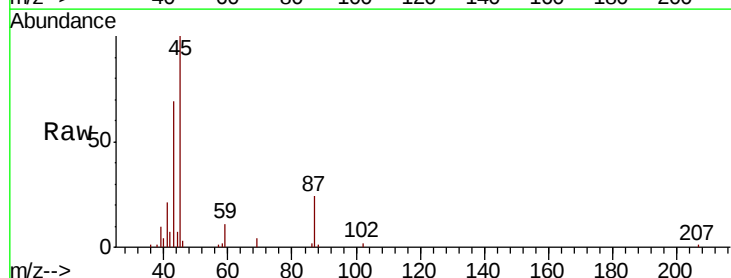
Ion Ratio Lower Upper

45 100

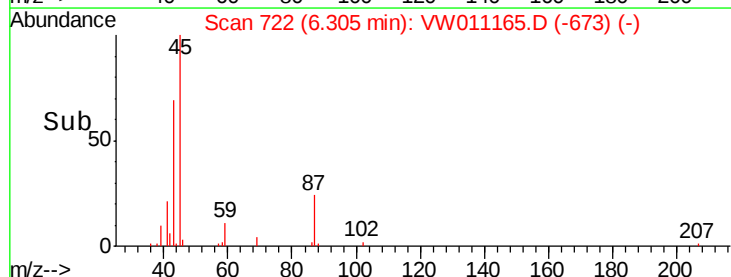
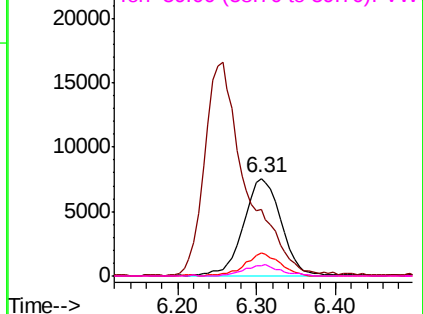
43 67.1 44.6 66.8#

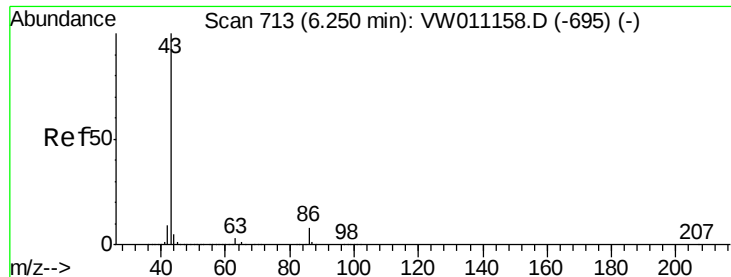
87 24.2 17.3 25.9

59 10.6 8.2 12.2



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





#23

Vinyl Acetate

Concen: 10.082 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

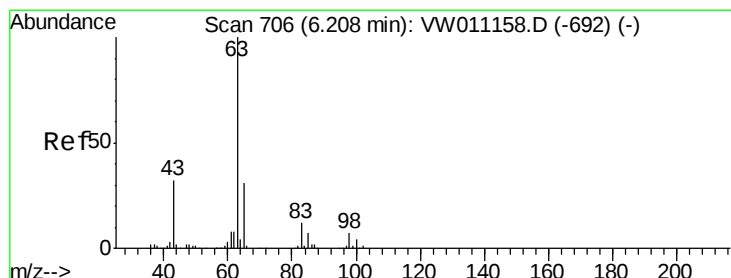
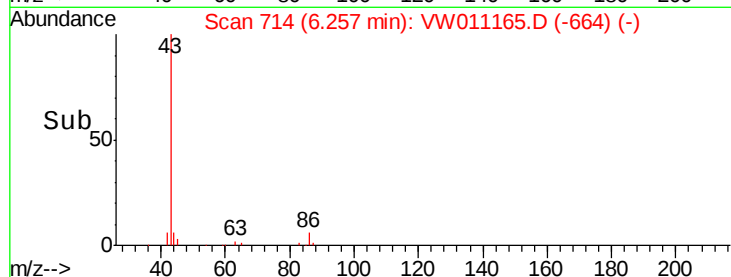
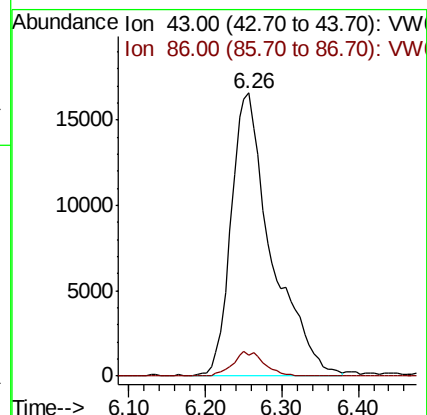
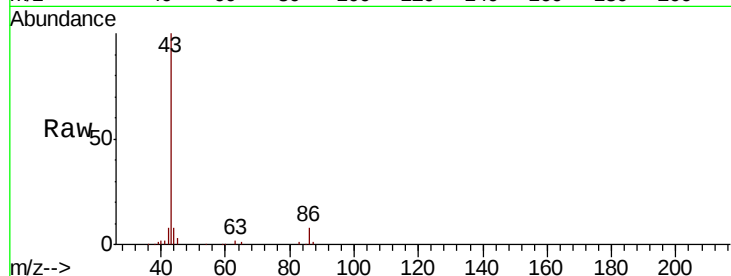
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 43 Resp: 60687

Ion Ratio Lower Upper

43 100

86 7.6 6.5 9.7



#24

1,1-Dichloroethane

Concen: 2.578 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

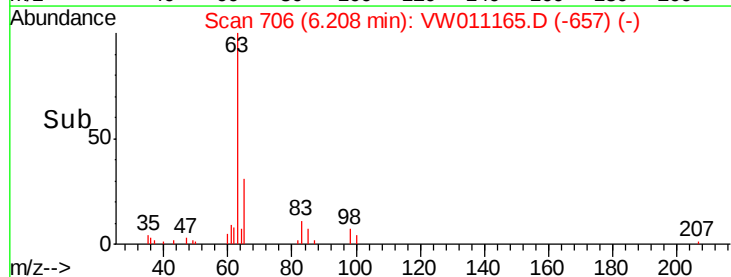
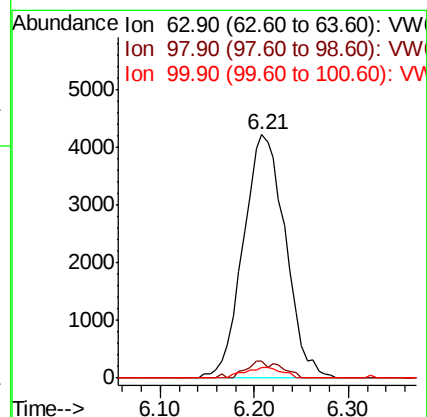
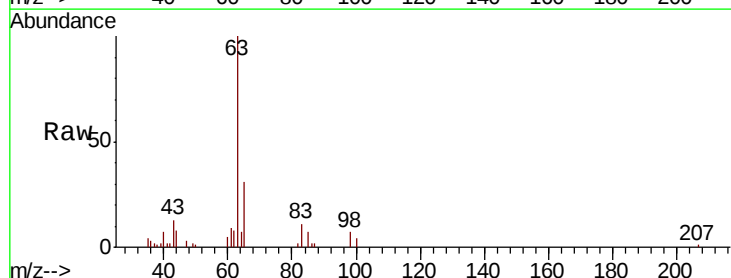
Tgt Ion: 63 Resp: 13168

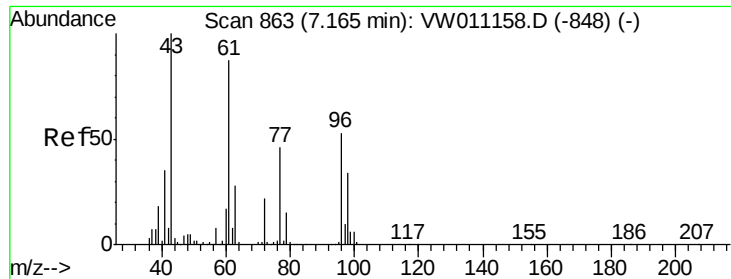
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 12.329 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

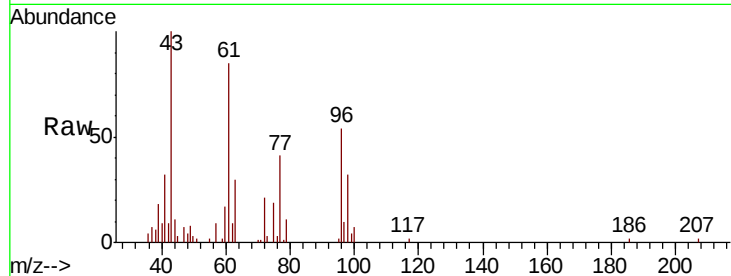
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 43 Resp: 13062

Ion Ratio Lower Upper

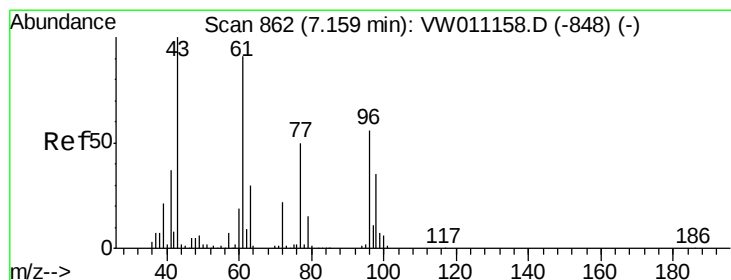
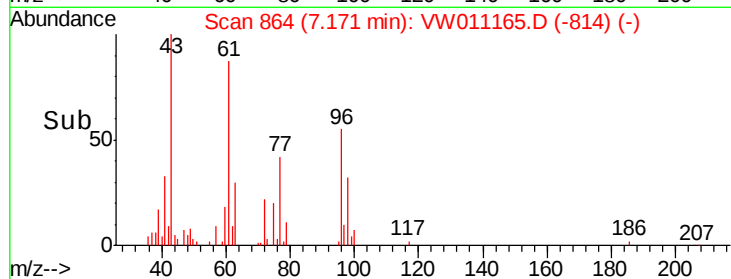
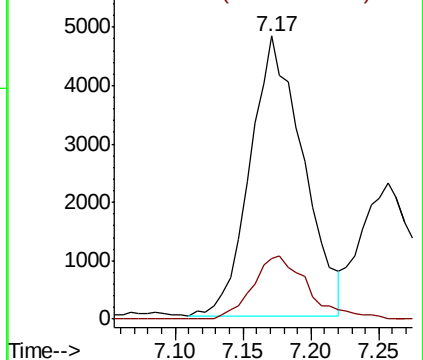
43 100

72 21.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 2.487 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011165.D

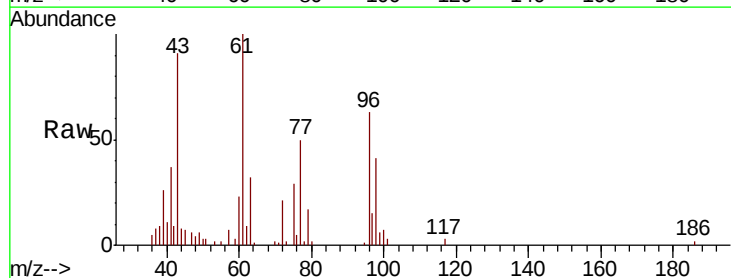
Acq: 08 Jul 2019 17:13

Tgt Ion: 77 Resp: 6603

Ion Ratio Lower Upper

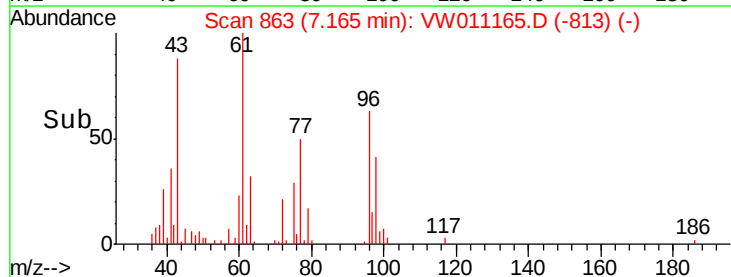
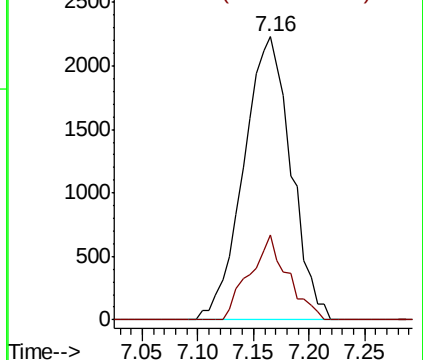
77 100

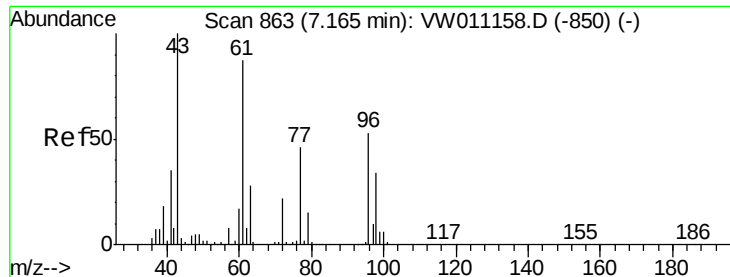
97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



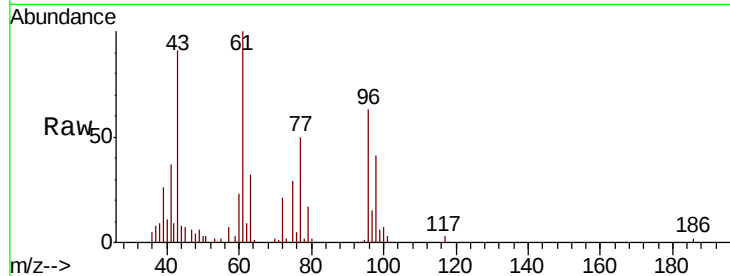


#27

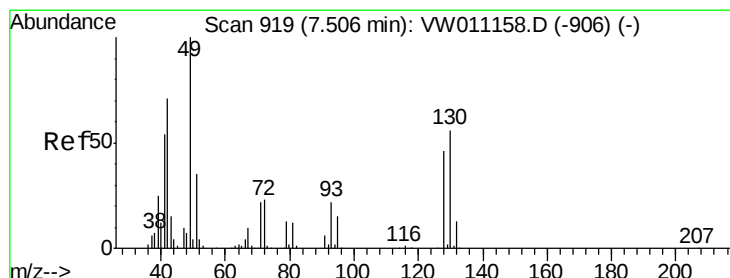
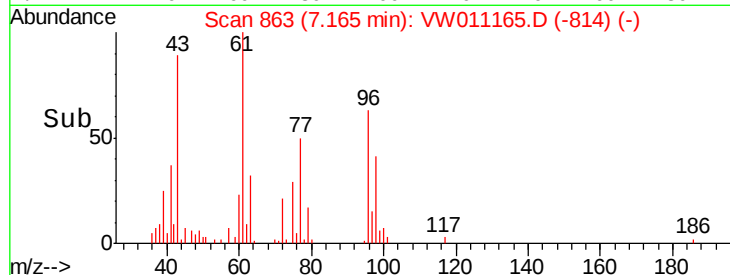
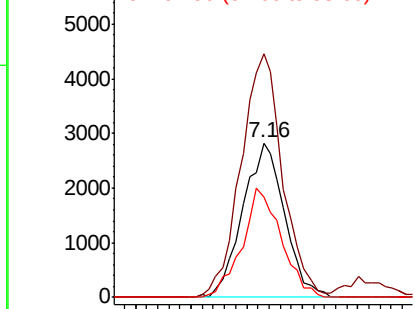
cis-1,2-Dichloroethene
Concen: 2.644 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 96 Resp: 7349
Ion Ratio Lower Upper
96 100
61 157.8 0.0 325.6
98 66.1 0.0 128.2



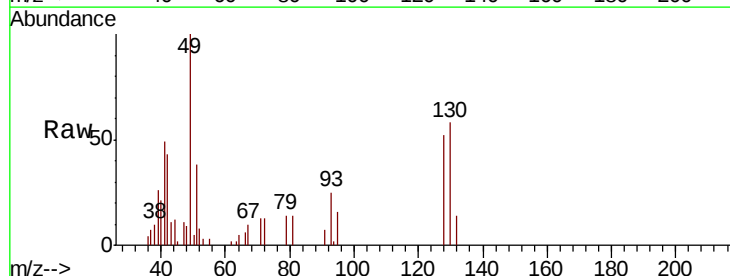
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



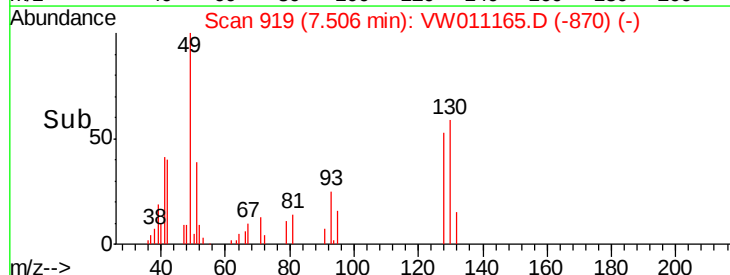
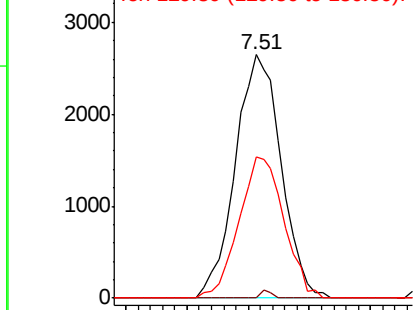
#28

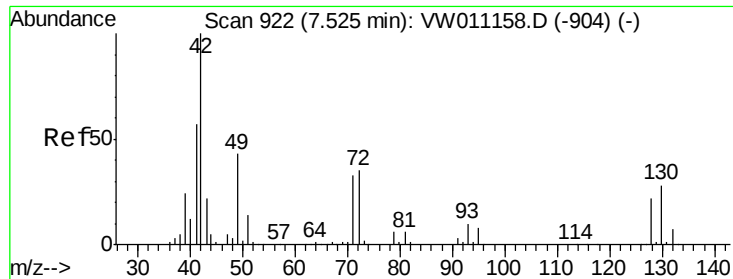
Bromochloromethane
Concen: 2.951 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 49 Resp: 6854
Ion Ratio Lower Upper
49 100
129 0.8 0.0 1.4
130 57.2 45.8 68.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

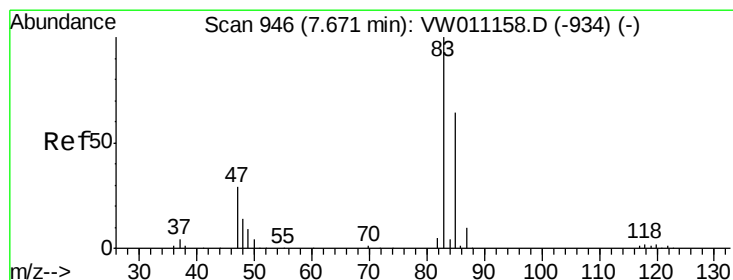
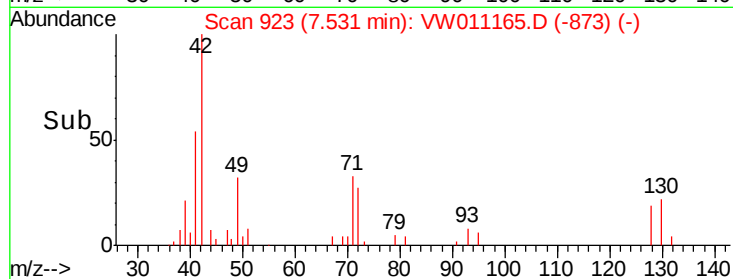
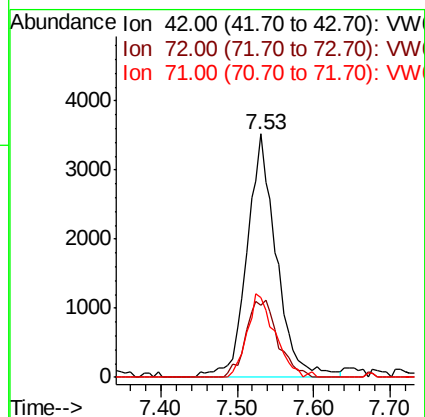
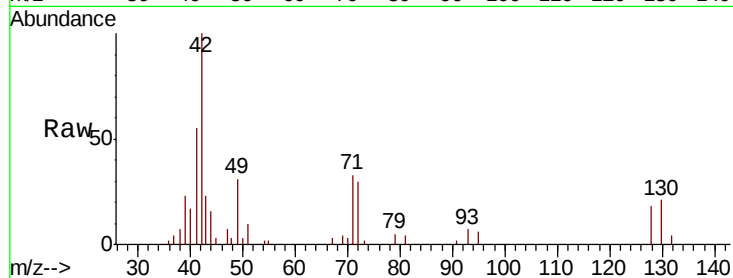




#29
Tetrahydrofuran
Concen: 13.535 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

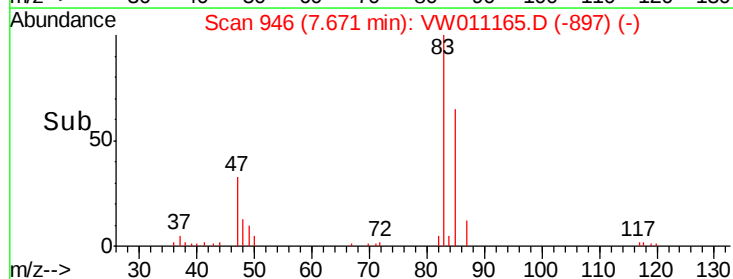
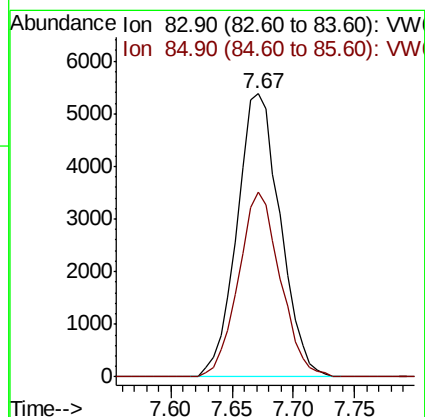
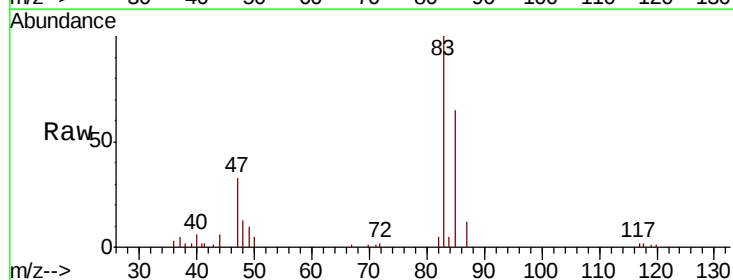
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

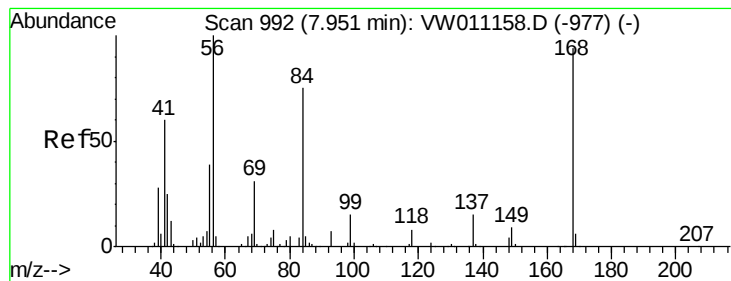
Tot Ion: 42 Resp: 9402
Ion Ratio Lower Upper
42 100
72 34.2 27.4 41.2
71 32.5 25.9 38.9



#30
Chloroform
Concen: 2.794 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 83 Resp: 13215
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.2





#31

Cyclohexane

Concen: 3.403 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

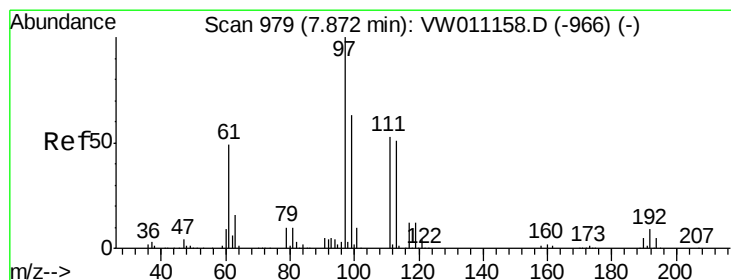
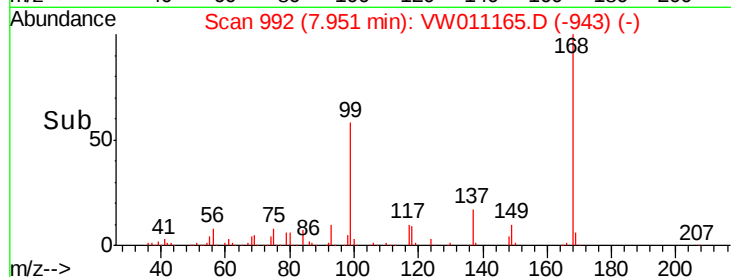
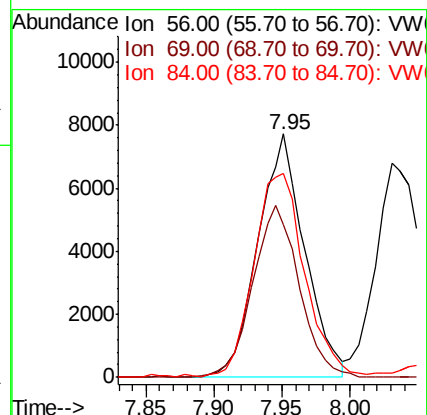
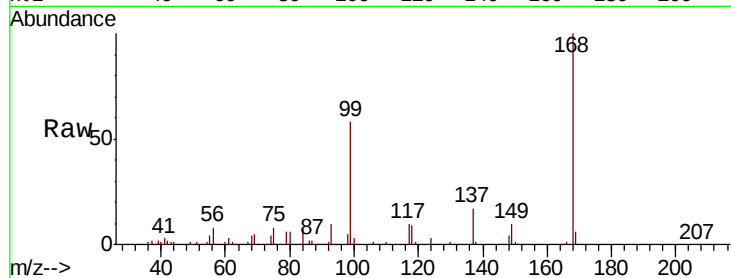
Tot Ion: 56 Resp: 18489

Ion Ratio Lower Upper

56 100

69 62.9 24.6 36.8#

84 82.8 60.1 90.1



#32

1,1,1-Trichloroethane

Concen: 2.513 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

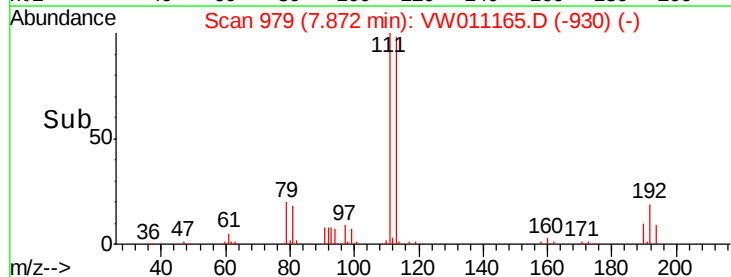
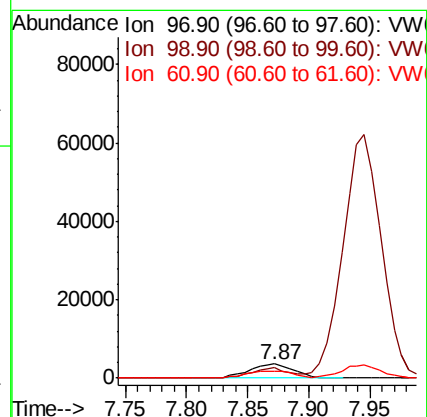
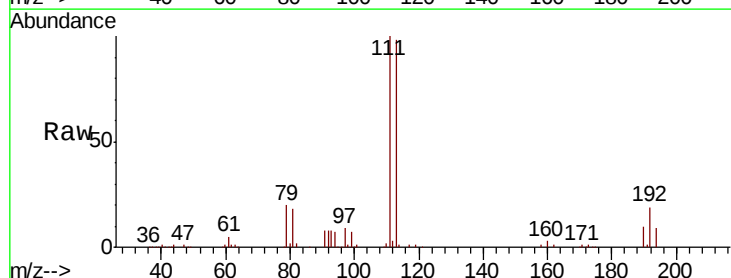
Tgt Ion: 97 Resp: 9042

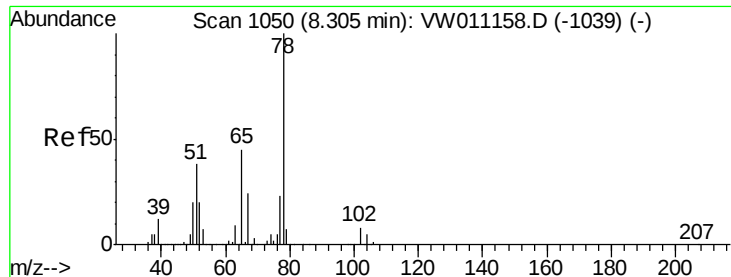
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 52.4 40.4 60.6

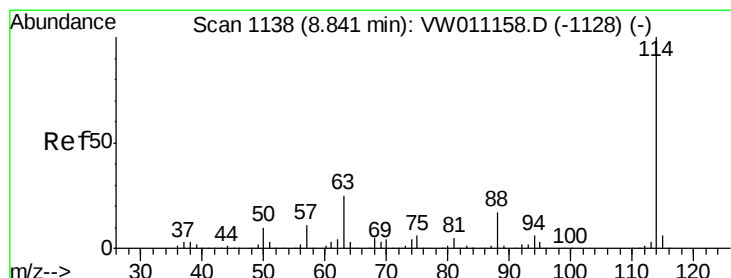
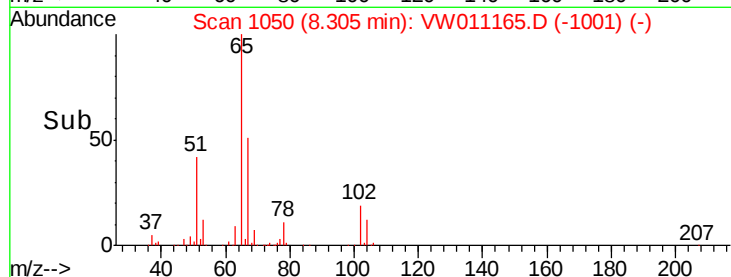
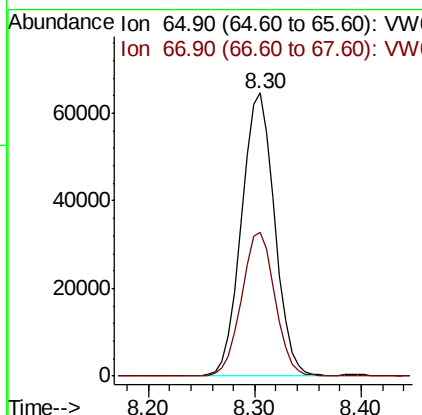
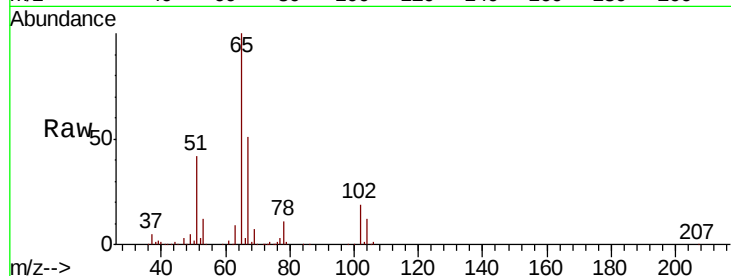




#33
 1,2-Dichloroethane-d4
 Concen: 50.504 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011165.D
 Acq: 08 Jul 2019 17:13

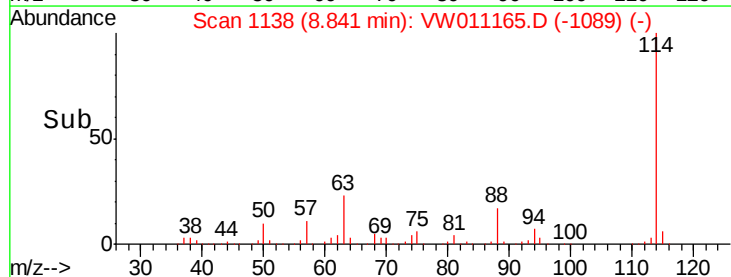
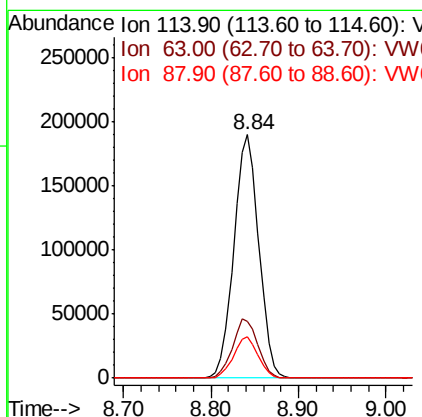
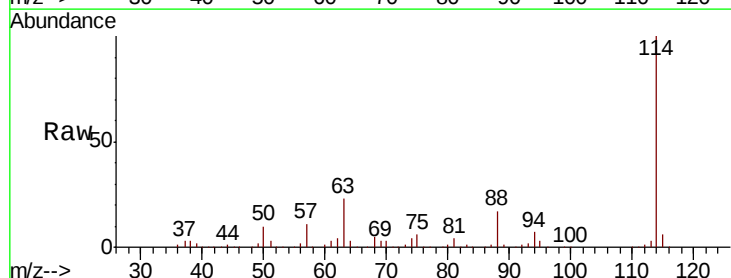
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

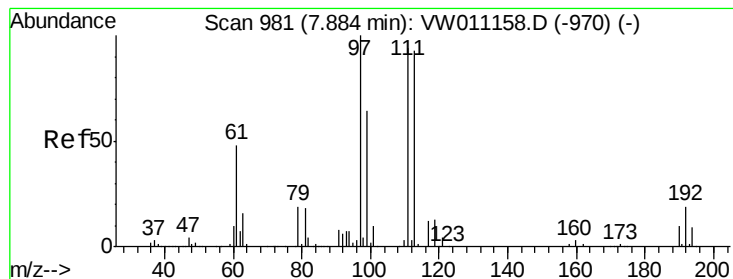
Tot Ion: 65 Resp: 141661
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011165.D
 Acq: 08 Jul 2019 17:13

Tgt Ion: 114 Resp: 376142
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 50.8
 88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.095 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

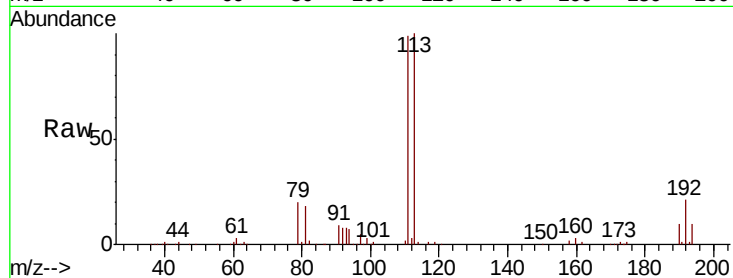
Tot Ion:113 Resp: 107828

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

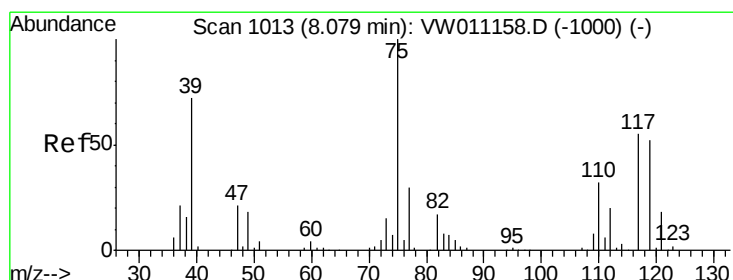
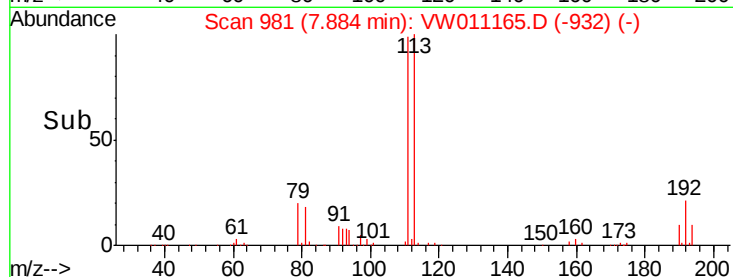
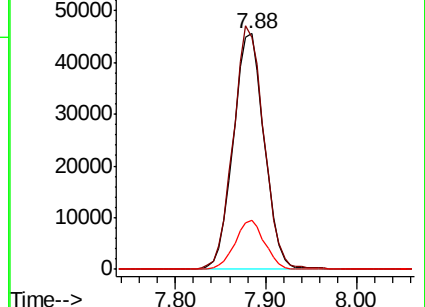
192 19.9 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.531 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

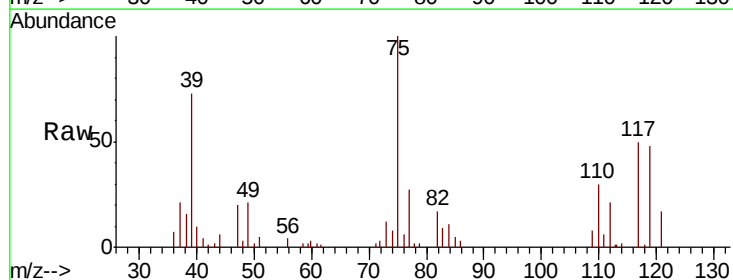
Tgt Ion: 75 Resp: 10138

Ion Ratio Lower Upper

75 100

110 30.9 15.9 47.6

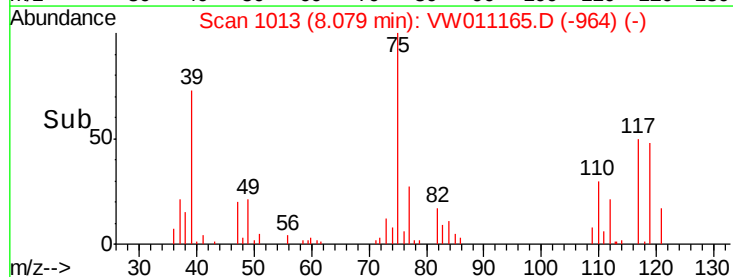
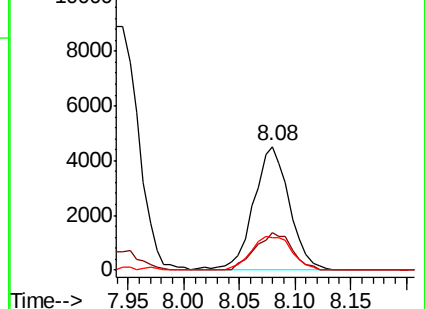
77 30.6 24.6 36.8

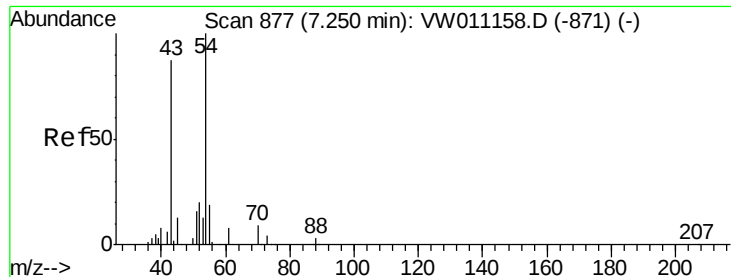


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

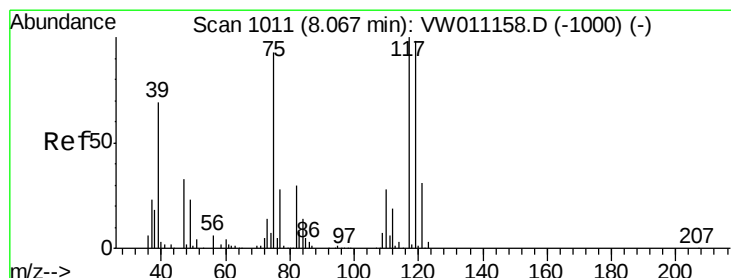
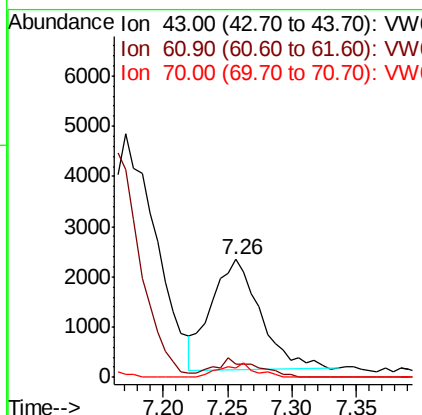
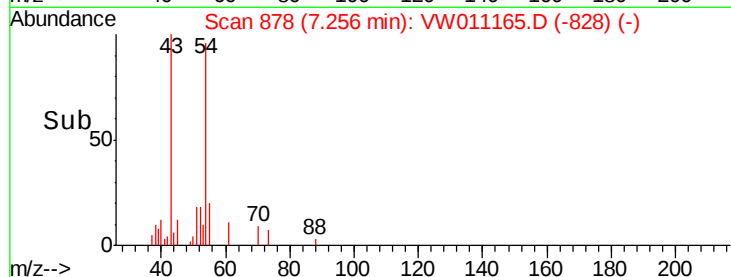
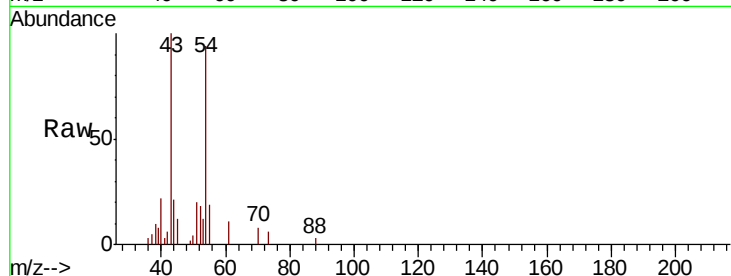




#37
Ethyl Acetate
Concen: 2.459 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

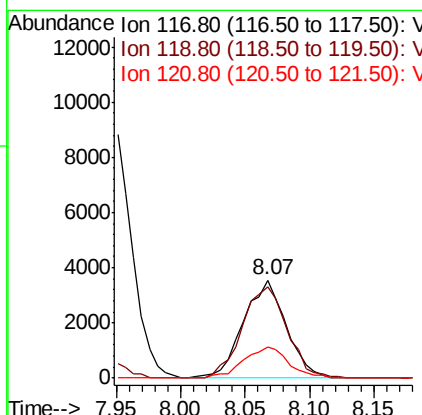
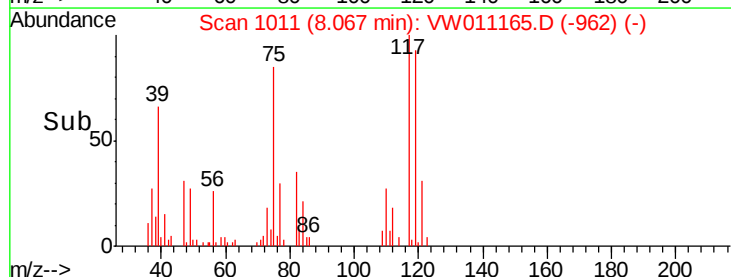
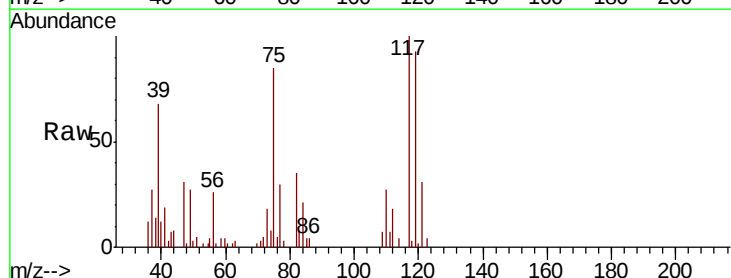
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

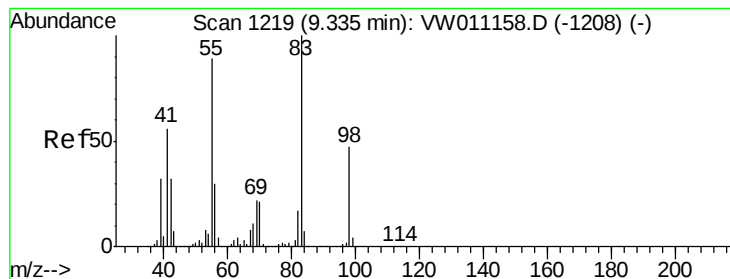
Tot Ion: 43 Resp: 5919
Ion Ratio Lower Upper
43 100
61 14.5 9.5 14.3#
70 9.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 2.401 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 117 Resp: 8153
Ion Ratio Lower Upper
117 100
119 93.0 78.1 117.1
121 31.4 25.1 37.7





#39

Methvlcvclohexane

Concen: 2.610 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

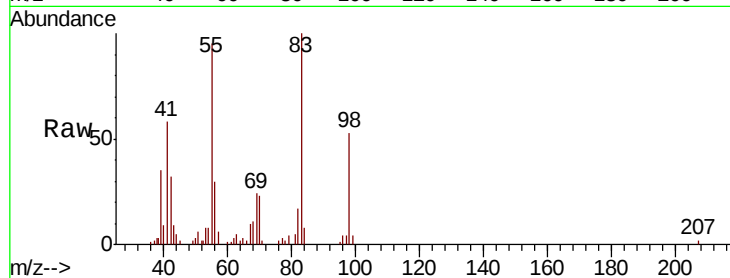
Tot Ion: 83 Resp: 12669

Ion Ratio Lower Upper

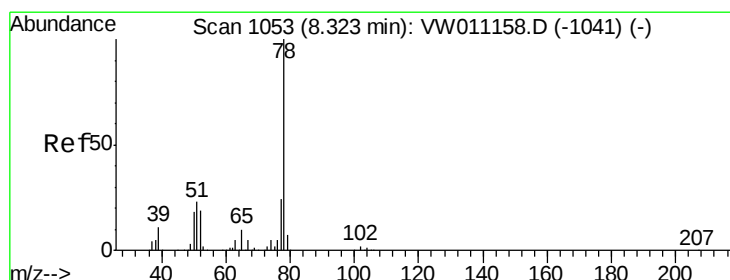
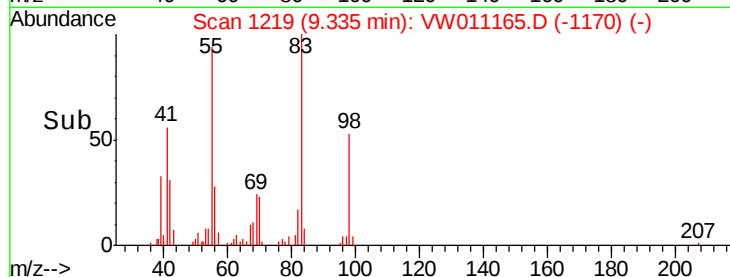
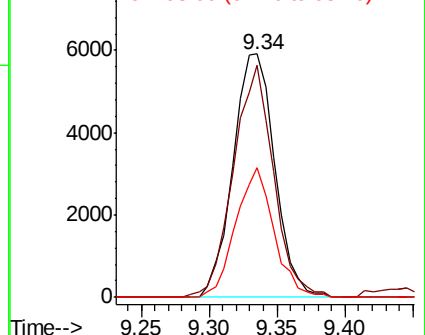
83 100

55 95.3 71.2 106.8

98 53.3 37.5 56.3



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



#40

Benzene

Concen: 2.664 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011165.D

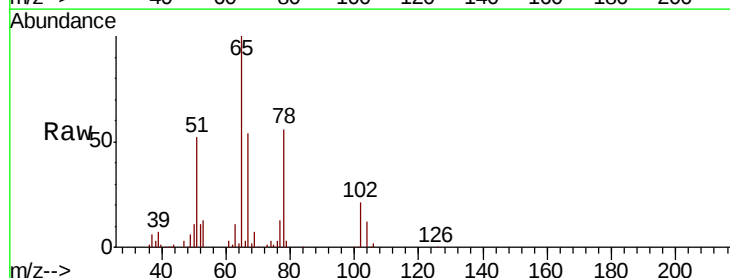
Acq: 08 Jul 2019 17:13

Tgt Ion: 78 Resp: 29493

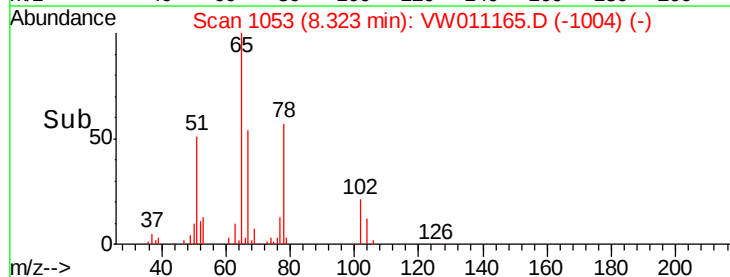
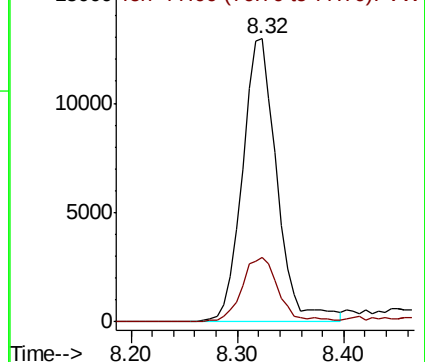
Ion Ratio Lower Upper

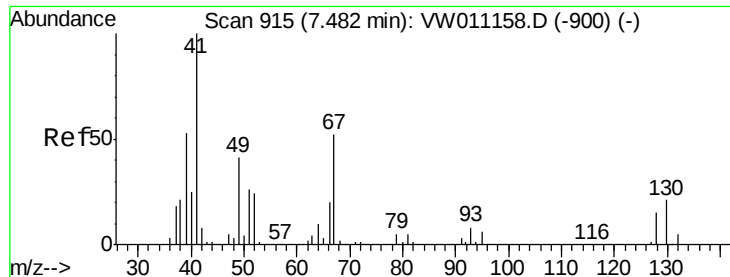
78 100

77 22.9 19.0 28.6



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

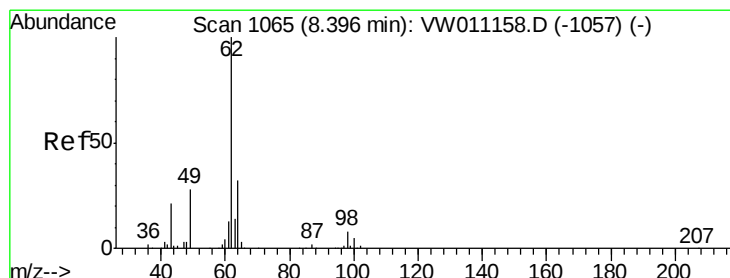
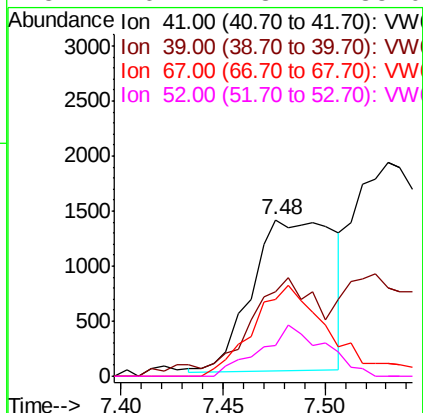
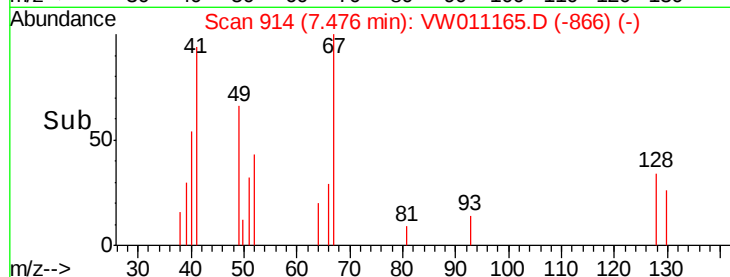
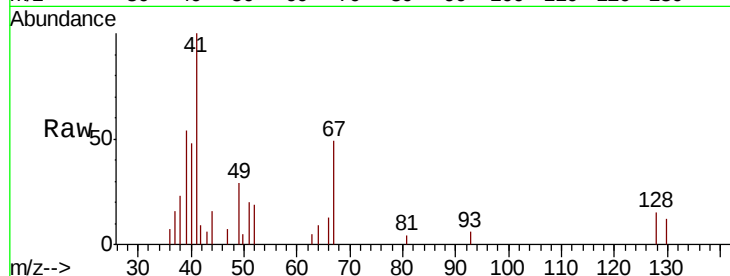




#41
Methacrylonitrile
Concen: 2.798 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

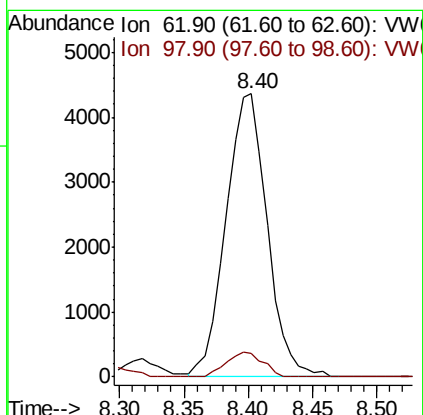
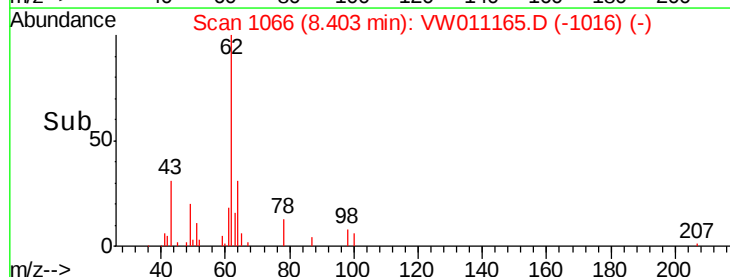
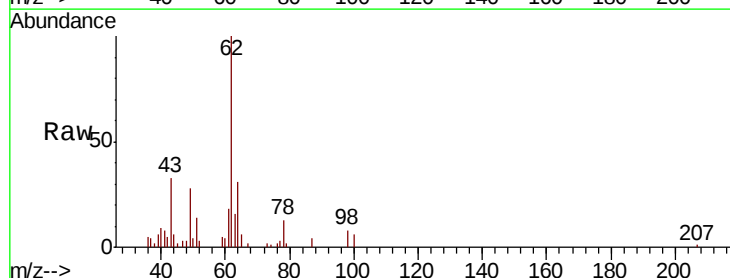
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

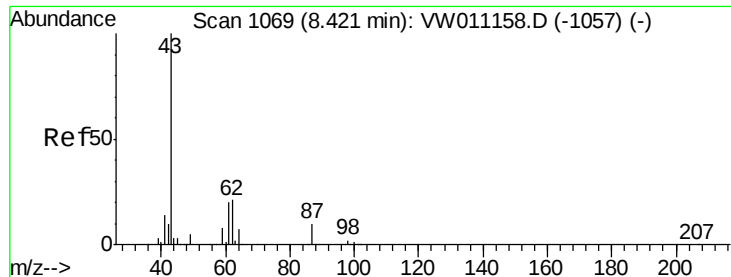
Tot Ion:	41	Resp:	3851
Ion	Ratio	Lower	Upper
41	100		
39	55.6	48.0	72.0
67	56.1	49.7	74.5
52	26.4	23.4	35.0



#42
1,2-Dichloroethane
Concen: 2.710 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:	62	Resp:	9730
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 2.555 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

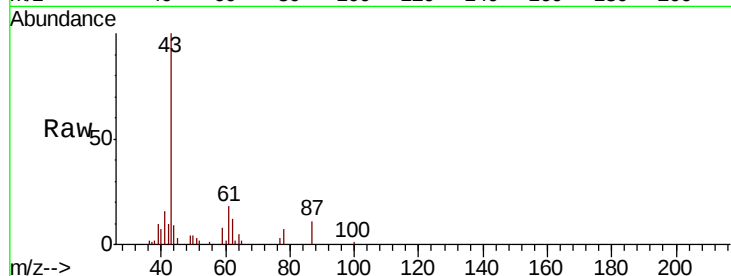
Tot Ion: 43 Resp: 11610

Ion Ratio Lower Upper

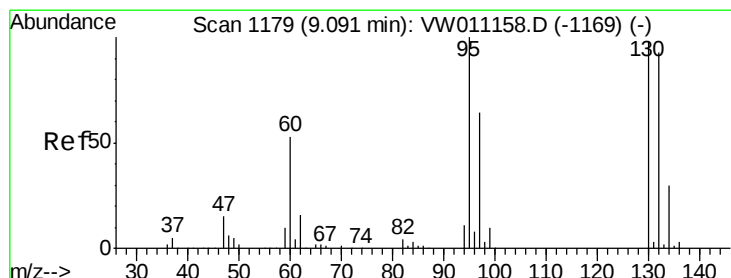
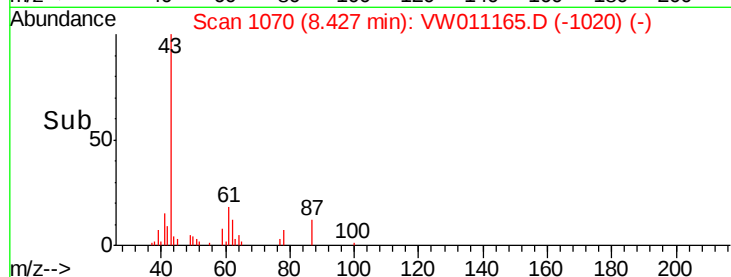
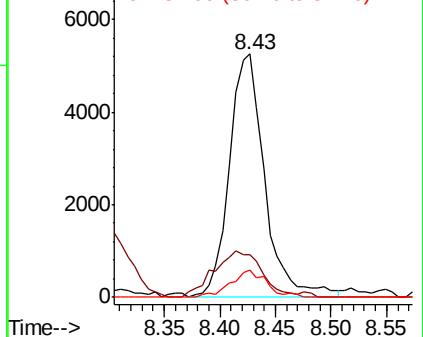
43 100

61 25.9 20.7 31.1

87 11.3 8.1 12.1



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: 2.557 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011165.D

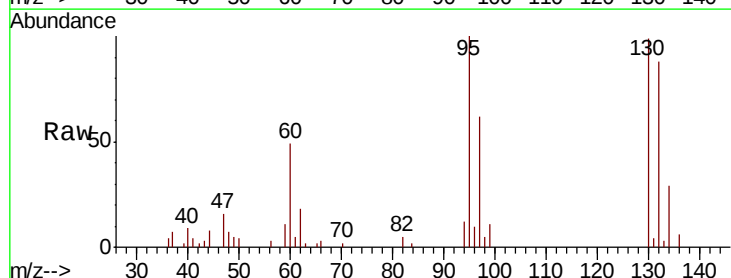
Acq: 08 Jul 2019 17:13

Tgt Ion: 130 Resp: 6811

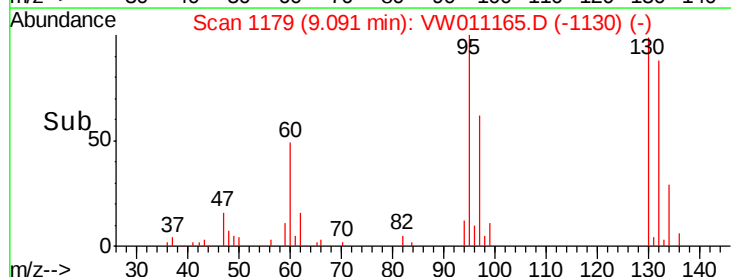
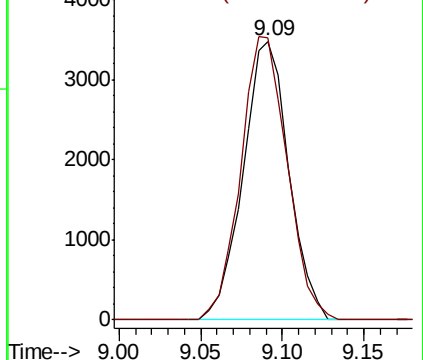
Ion Ratio Lower Upper

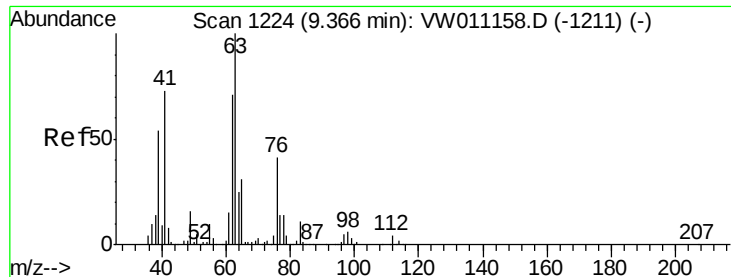
130 100

95 101.3 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 2.573 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

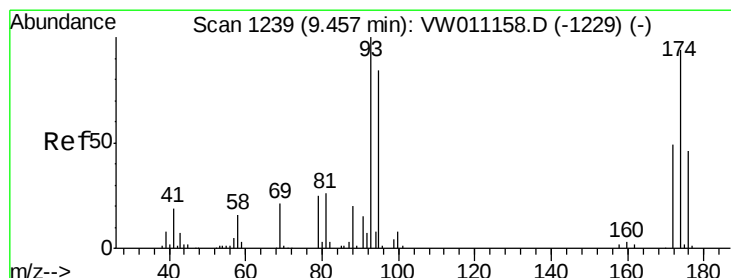
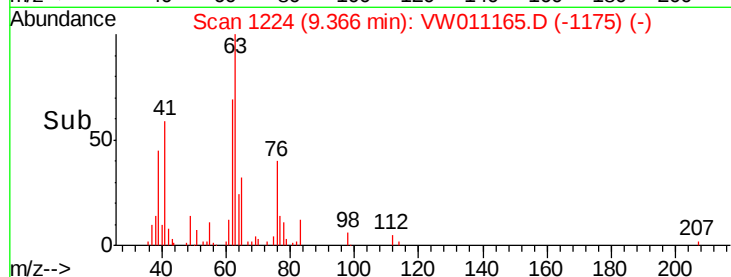
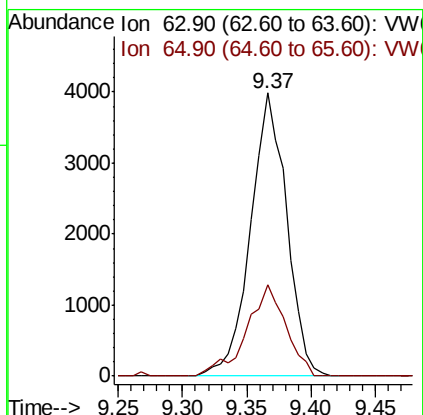
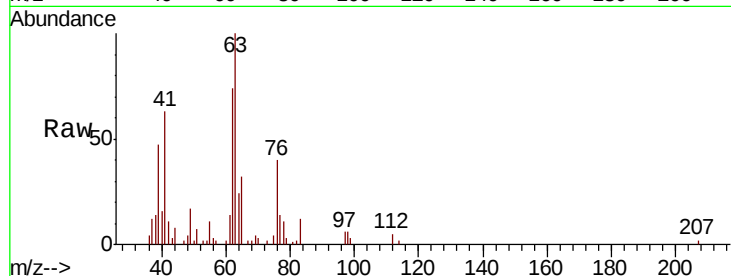
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 63 Resp: 7714

Ion Ratio Lower Upper

63 100

65 32.3 24.4 36.6



#46

Dibromomethane

Concen: 2.529 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

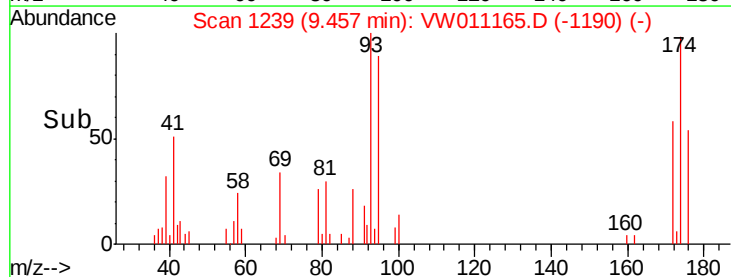
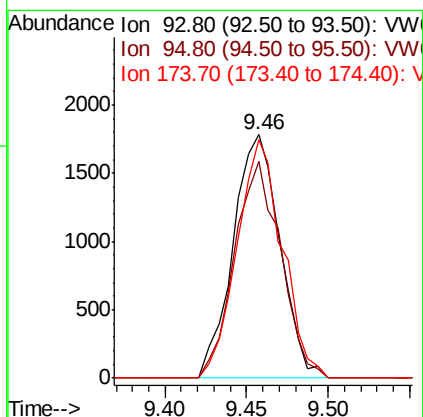
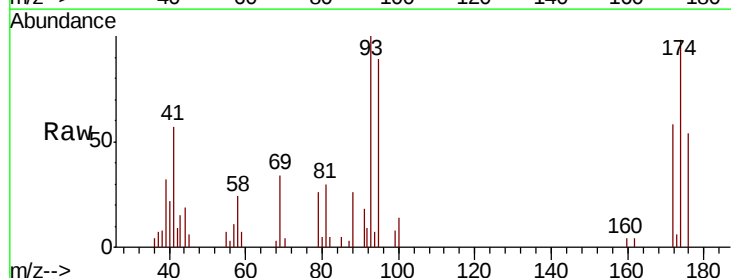
Tgt Ion: 93 Resp: 3561

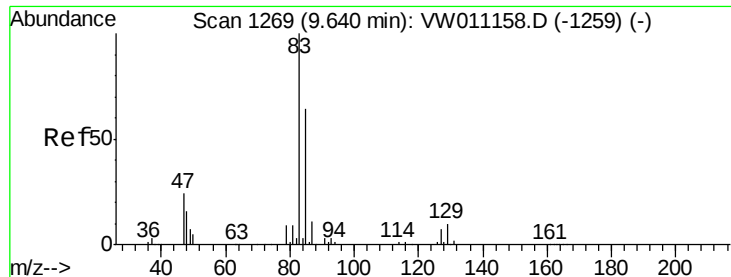
Ion Ratio Lower Upper

93 100

95 87.8 67.2 100.8

174 94.8 76.3 114.5





#47

Bromodichloromethane

Concen: 2.483 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

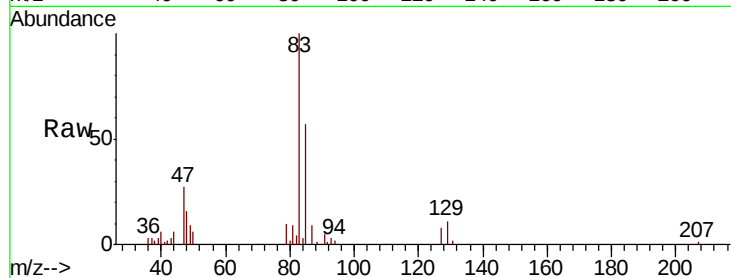
Tot Ion: 83 Resp: 8948

Ion Ratio Lower Upper

83 100

85 57.2 51.0 76.4

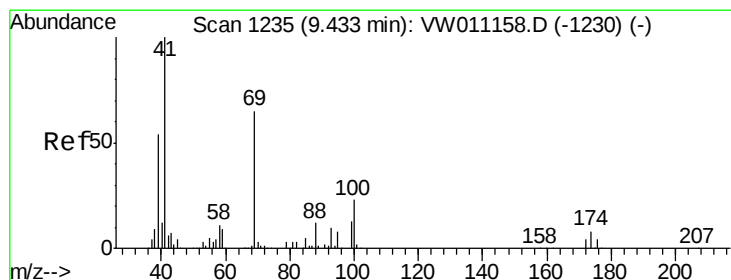
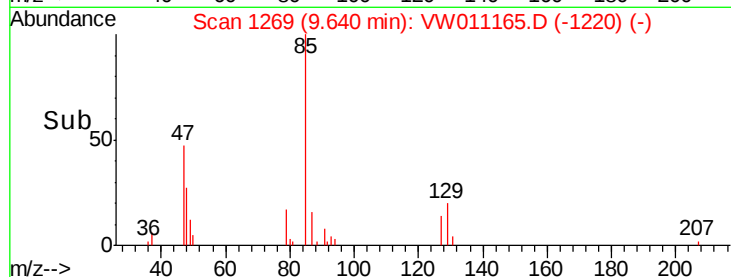
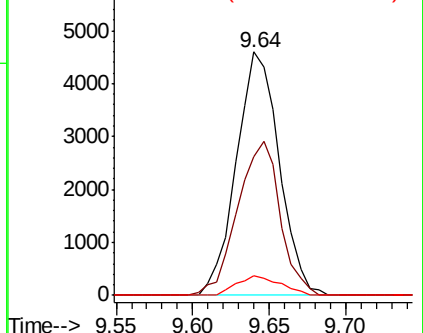
127 7.8 6.0 9.0



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: 2.336 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

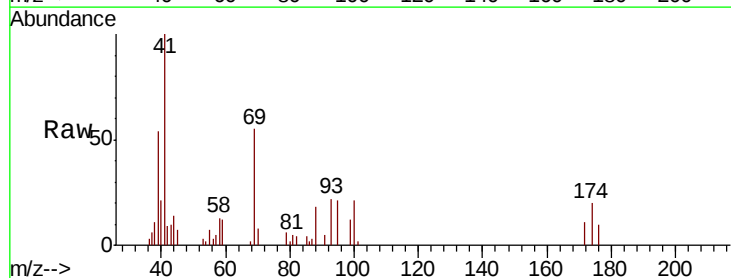
Tgt Ion: 41 Resp: 5107

Ion Ratio Lower Upper

41 100

69 76.0 56.0 84.0

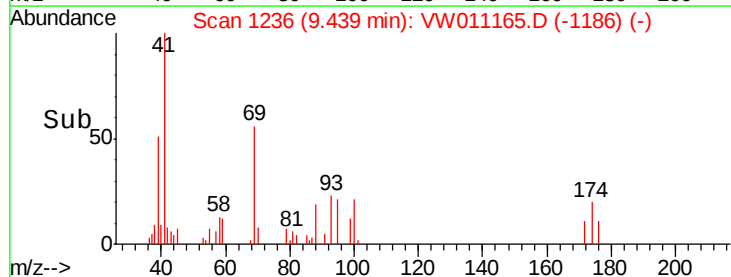
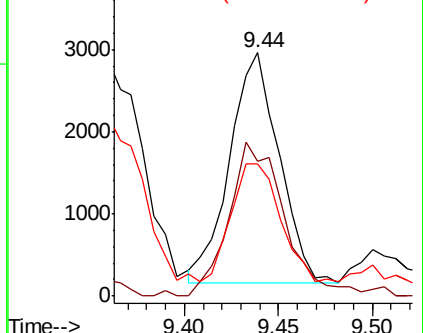
39 52.6 43.5 65.3

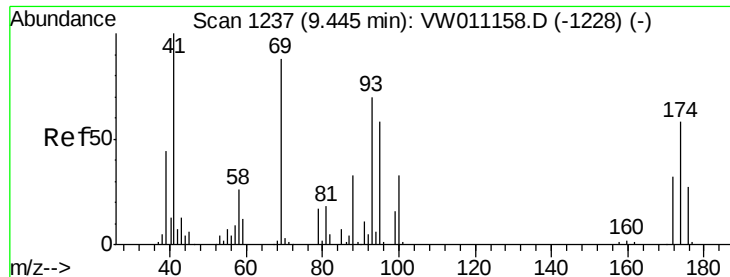


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 57.138 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

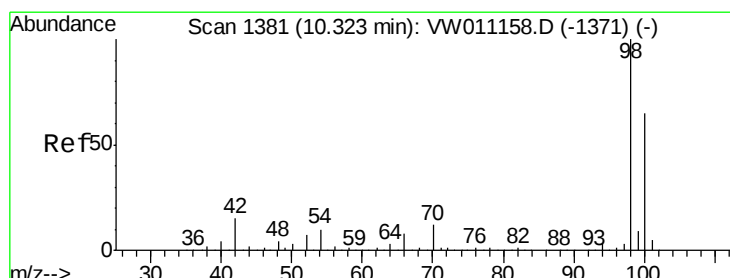
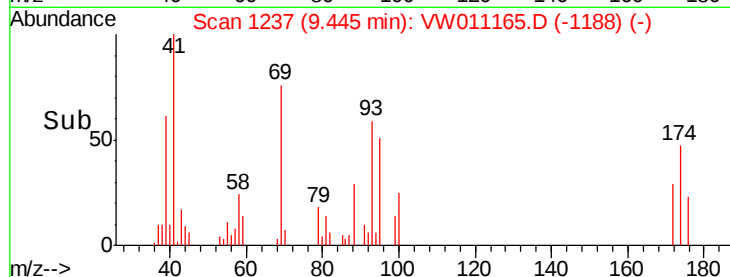
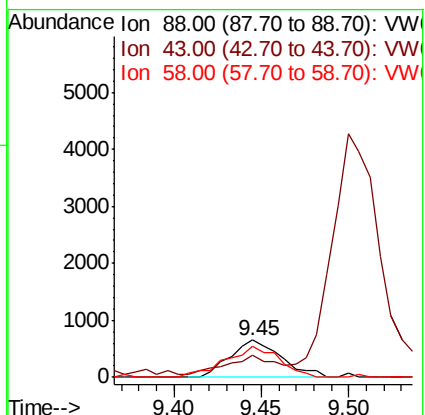
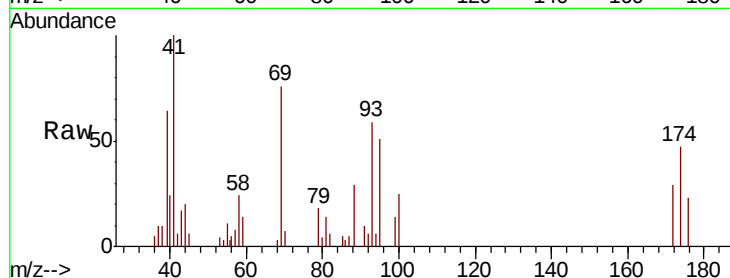
Tot Ion: 88 Resp: 1343

Ion Ratio Lower Upper

88 100

43 48.0 33.4 50.0

58 86.7 64.5 96.7



#50

Toluene-d8

Concen: 48.483 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011165.D

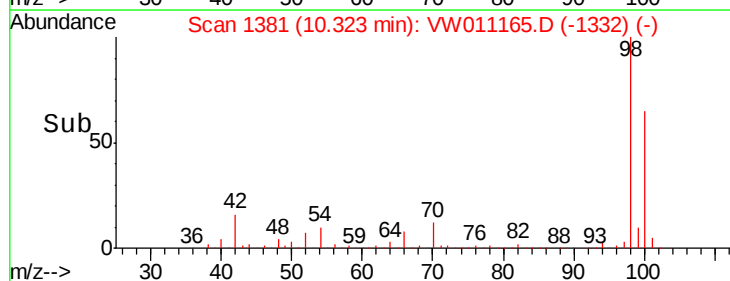
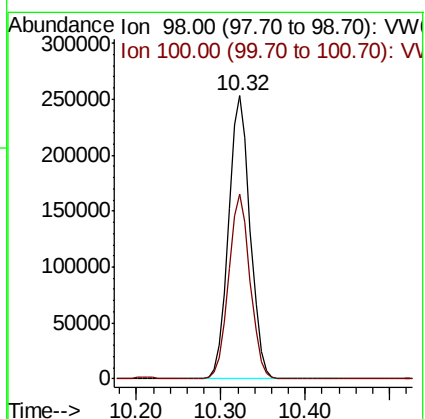
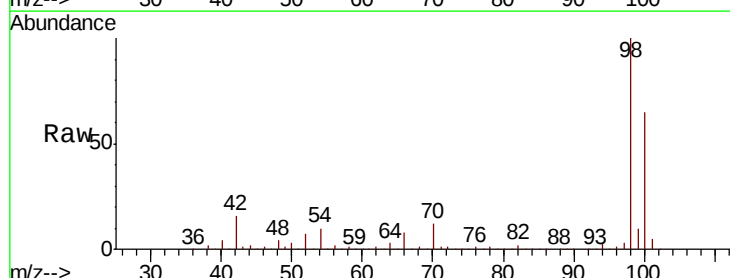
Acq: 08 Jul 2019 17:13

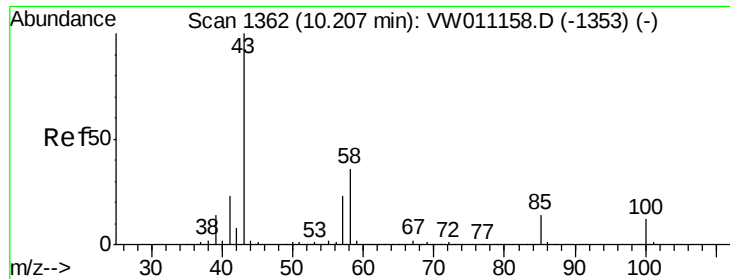
Tgt Ion: 98 Resp: 439369

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 12.104 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

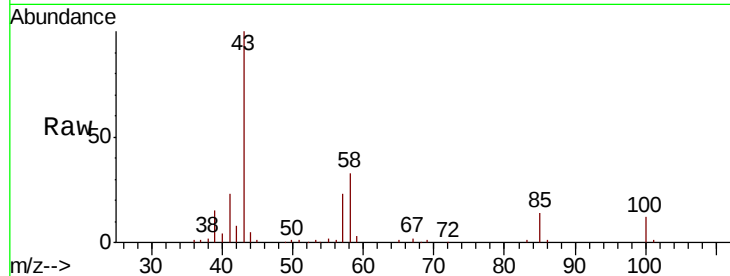
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 43 Resp: 28728

Ion Ratio Lower Upper

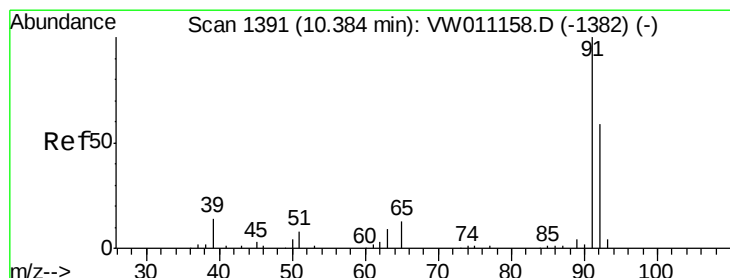
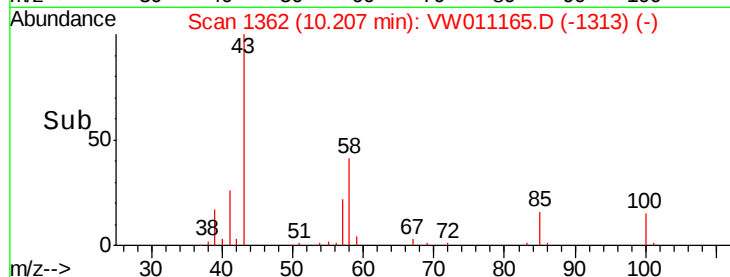
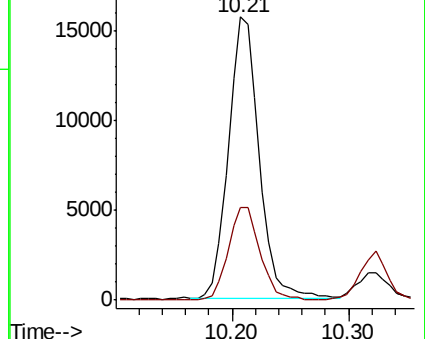
43 100

58 34.0 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 2.606 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011165.D

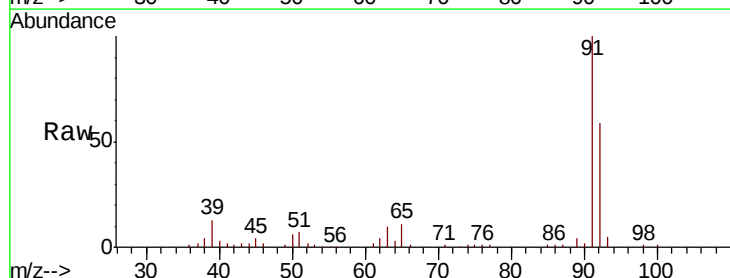
Acq: 08 Jul 2019 17:13

Tgt Ion: 92 Resp: 17499

Ion Ratio Lower Upper

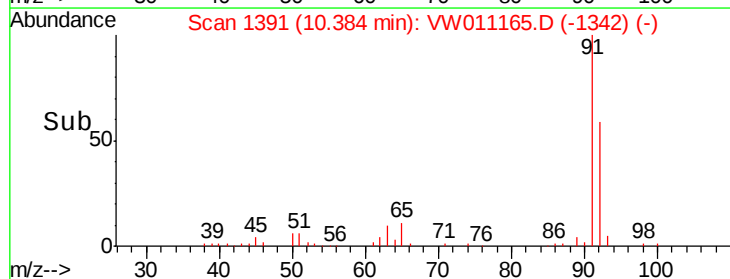
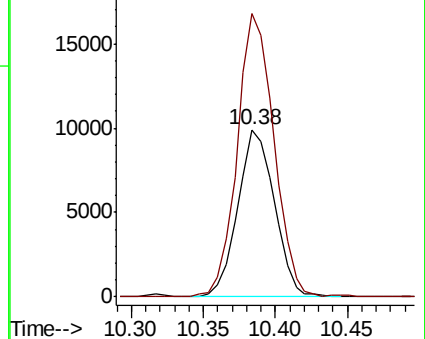
92 100

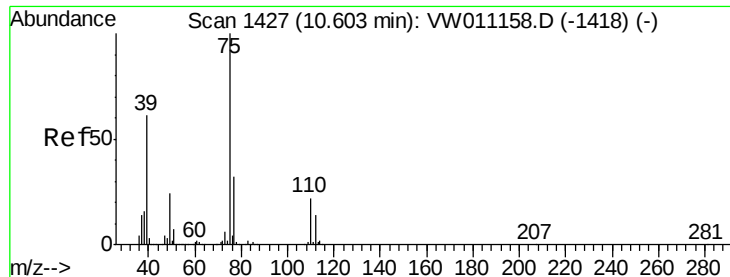
91 170.1 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 2.247 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

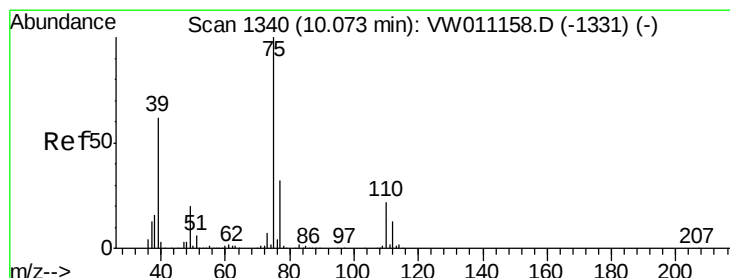
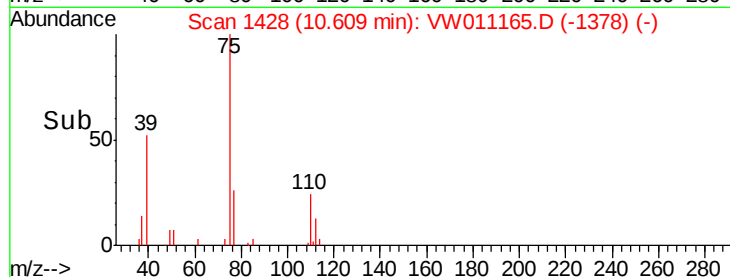
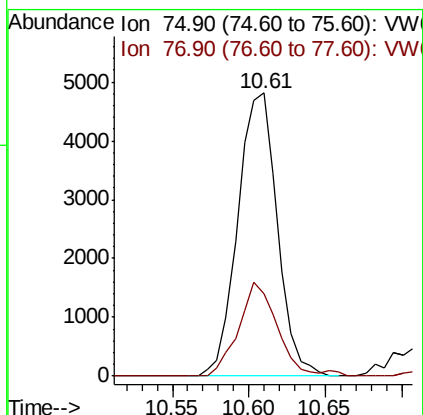
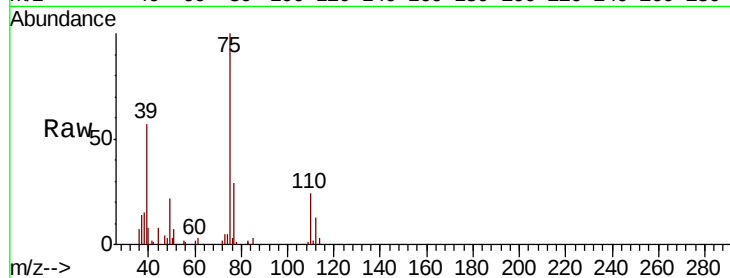
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 75 Resp: 8619

Ion Ratio Lower Upper

75 100

77 28.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 2.340 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

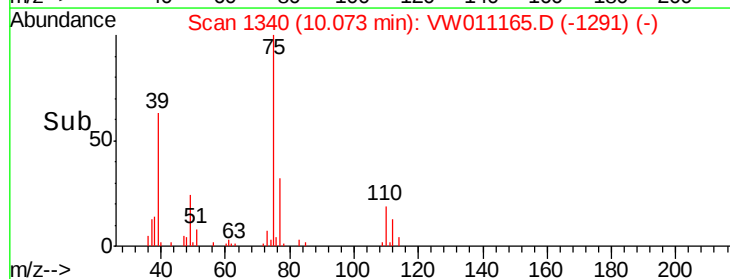
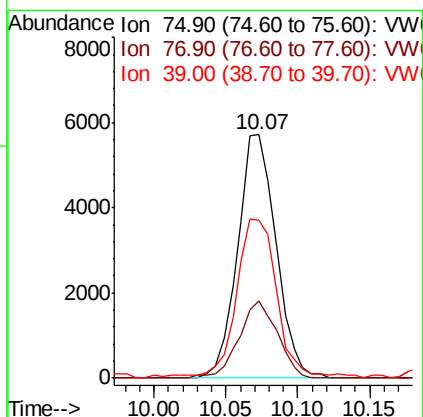
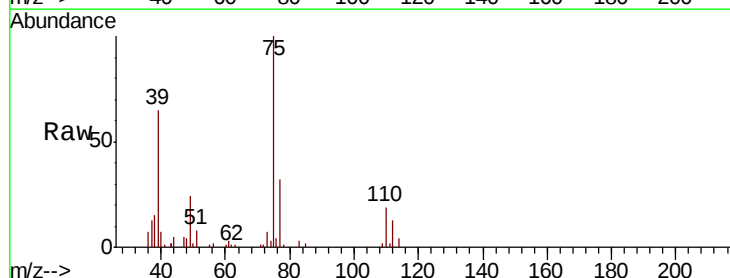
Tgt Ion: 75 Resp: 10565

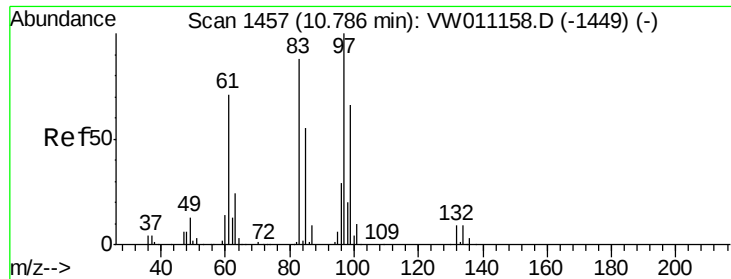
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 63.6 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 2.572 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 97 Resp: 5139

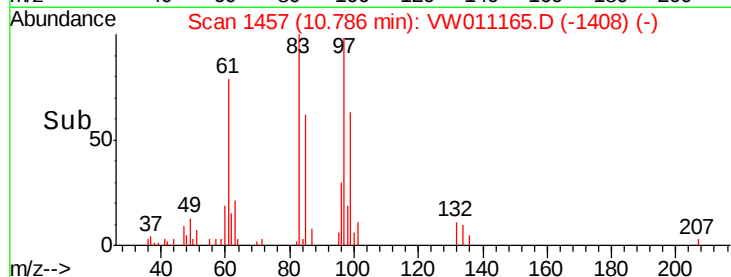
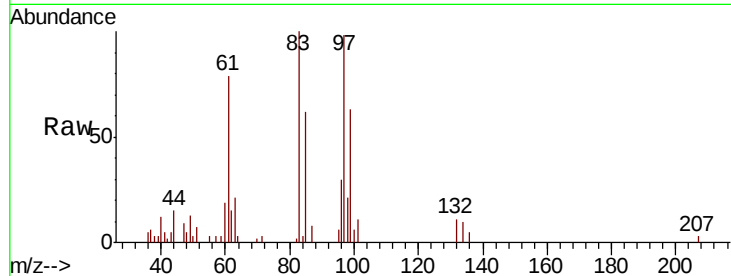
Ion Ratio Lower Upper

97 100

83 102.0 70.2 105.4

85 60.0 44.2 66.2

99 64.7 52.6 79.0

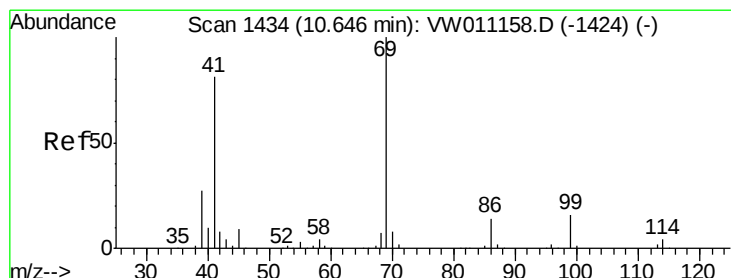
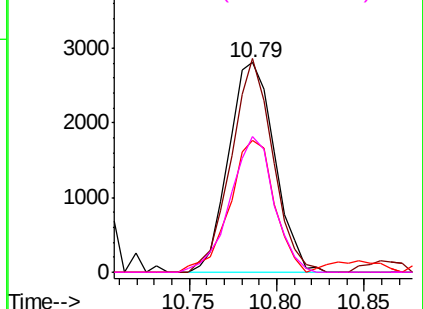


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 2.314 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

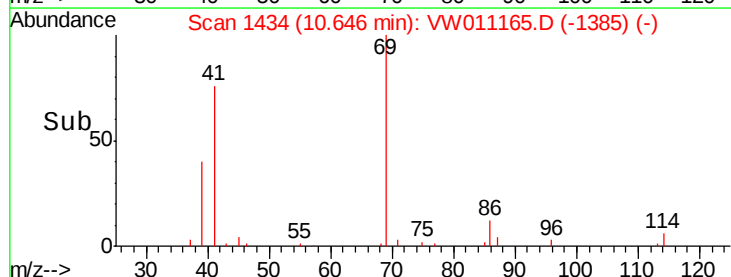
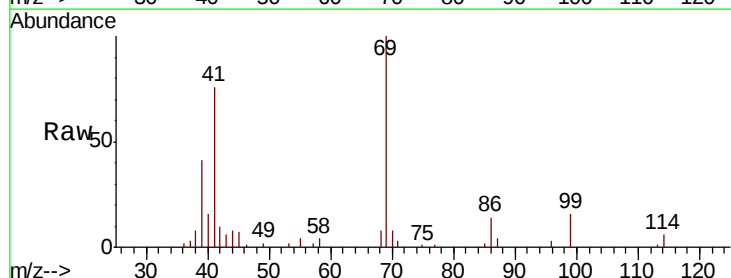
Tgt Ion: 69 Resp: 7039

Ion Ratio Lower Upper

69 100

41 81.2 66.5 99.7

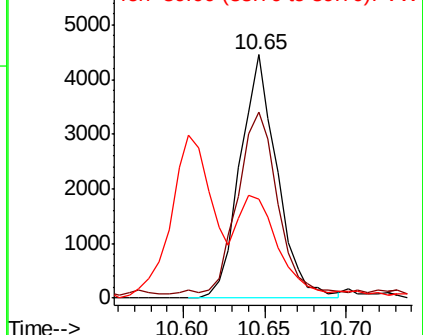
39 41.5 32.5 48.7

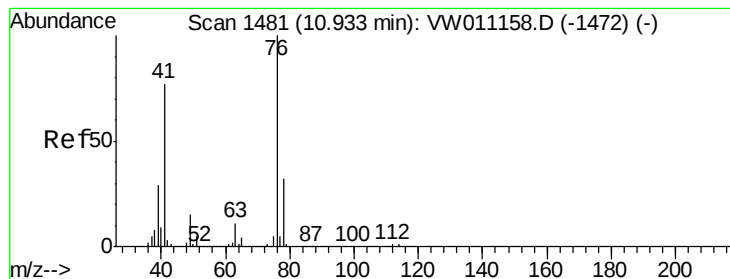


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 2.603 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

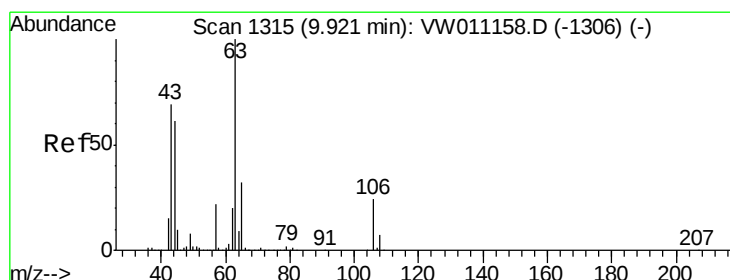
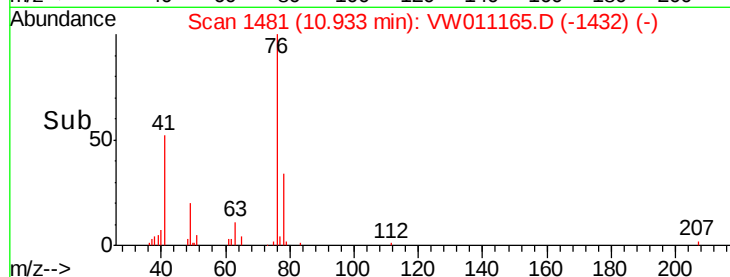
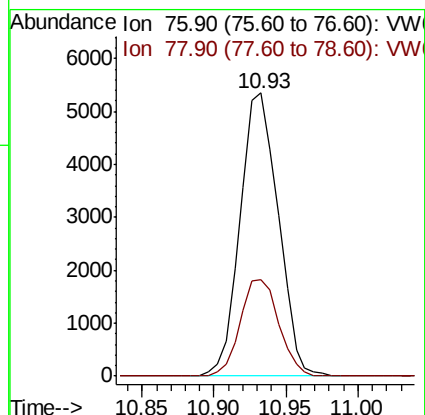
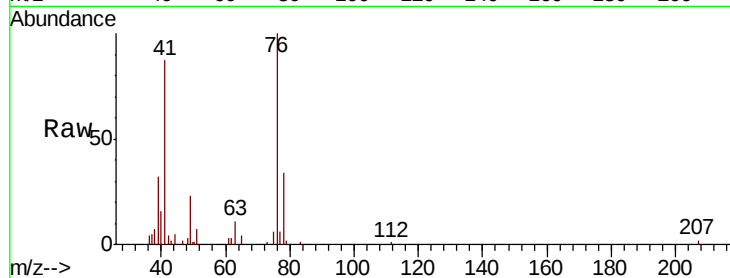
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 76 Resp: 9833

Ion Ratio Lower Upper

76 100

78 34.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 12.099 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011165.D

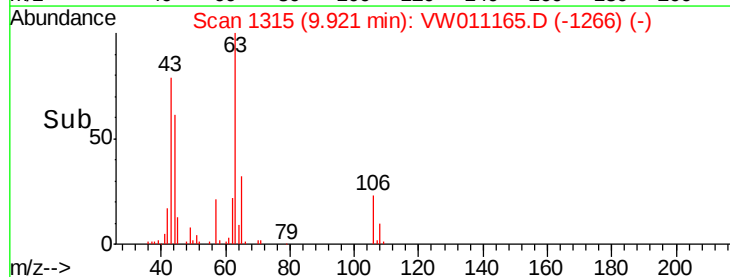
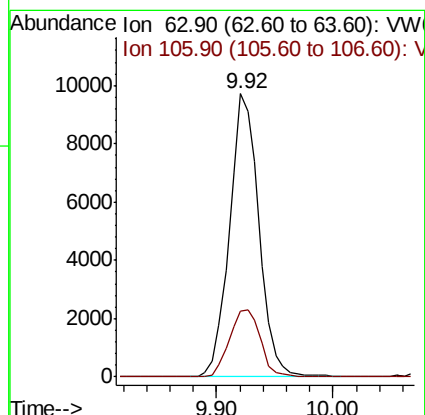
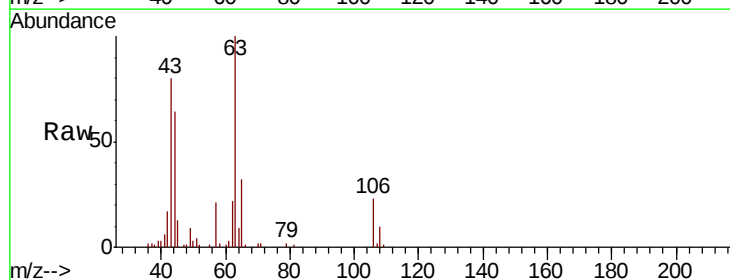
Acq: 08 Jul 2019 17:13

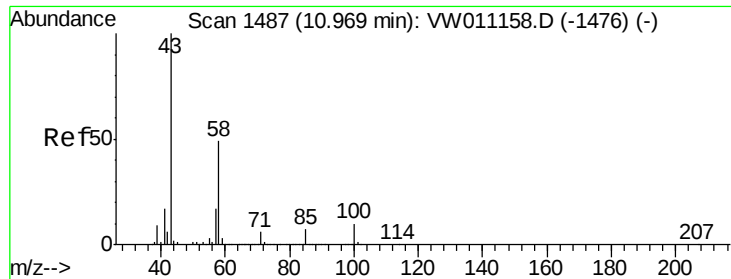
Tgt Ion: 63 Resp: 17060

Ion Ratio Lower Upper

63 100

106 24.9 19.4 29.0

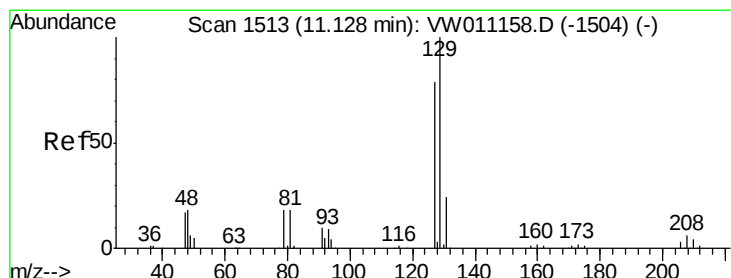
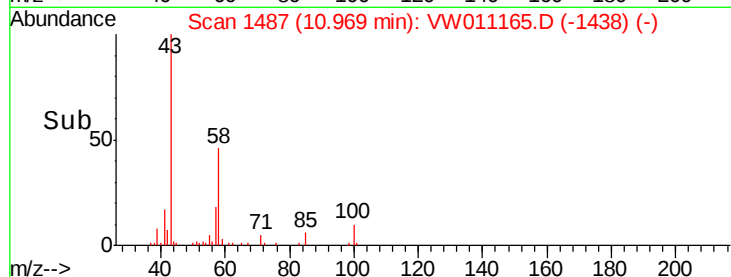
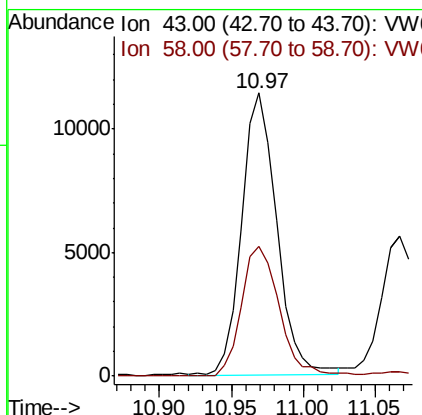
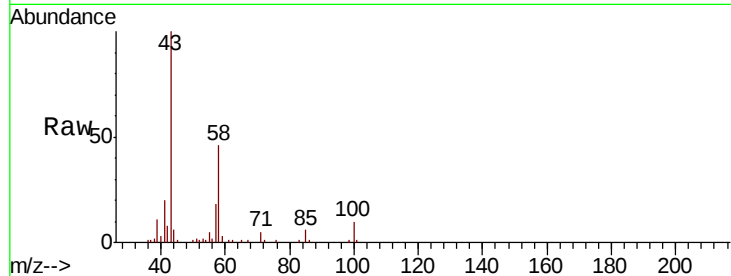




#59
2-Hexanone
Concen: 11.717 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

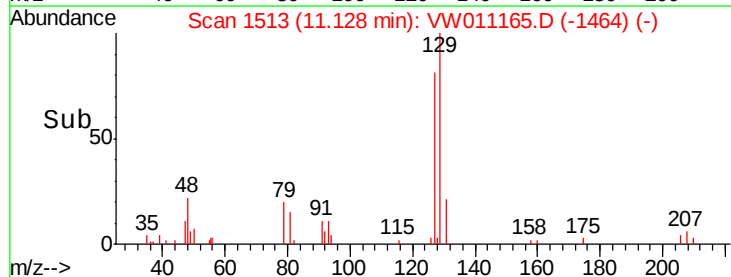
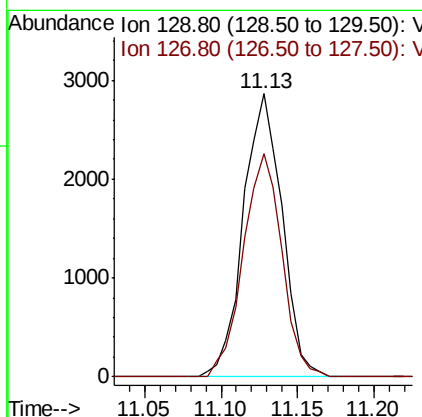
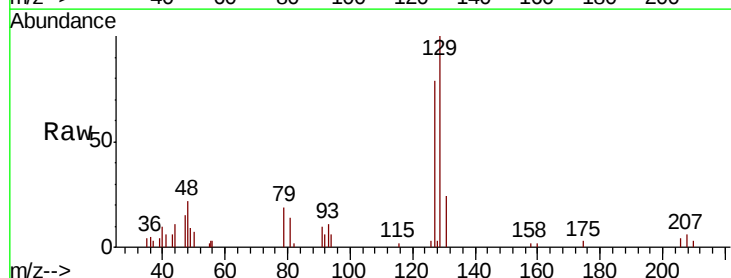
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

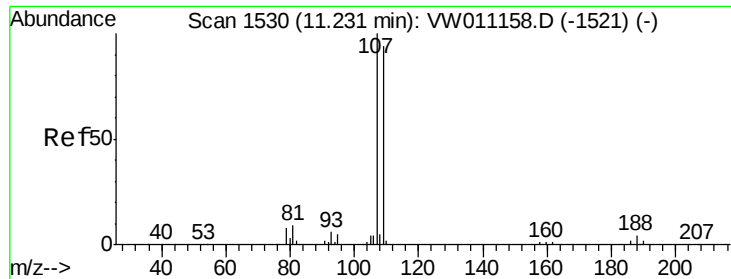
Tot Ion: 43 Resp: 19286
Ion Ratio Lower Upper
43 100
58 49.8 24.4 73.4



#60
Dibromochloromethane
Concen: 2.299 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:129 Resp: 5036
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.3





#61

1,2-Dibromoethane

Concen: 2.429 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

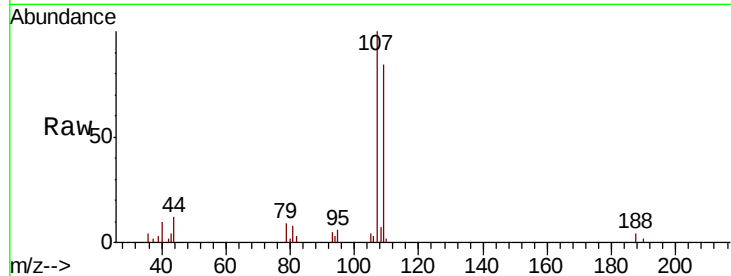
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 107 Resp: 4597

Ion Ratio Lower Upper

107 100

109 92.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

2500

2000

1500

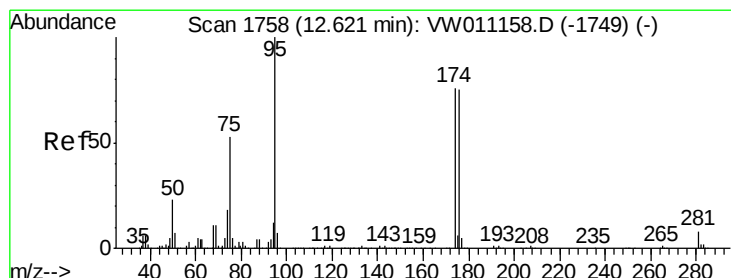
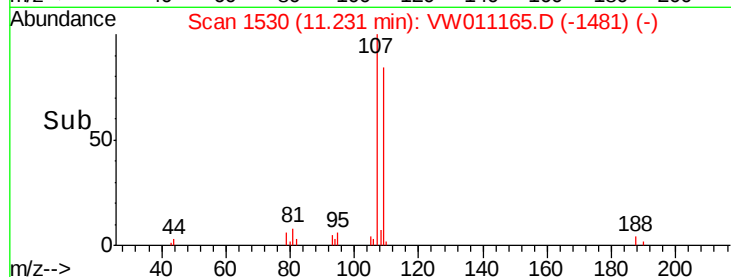
1000

500

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

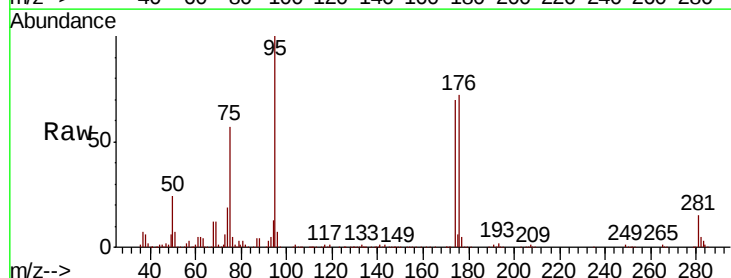
Tgt Ion: 95 Resp: 159241

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.6

176 73.8 0.0 144.6



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

120000

100000

80000

60000

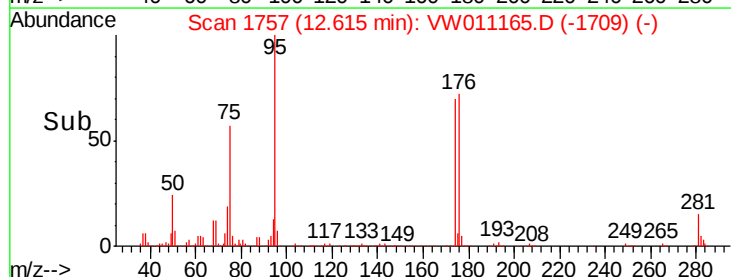
40000

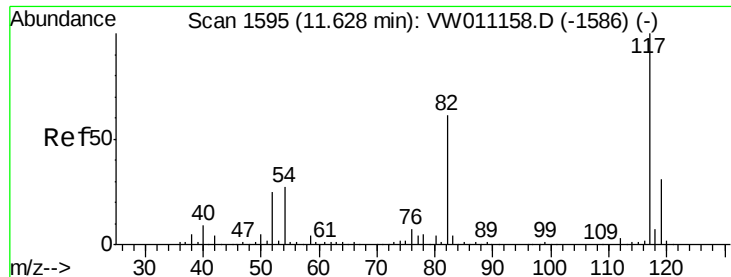
20000

0

Time-->

12.60 12.70

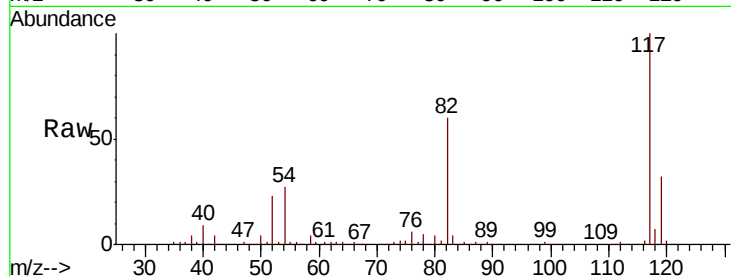




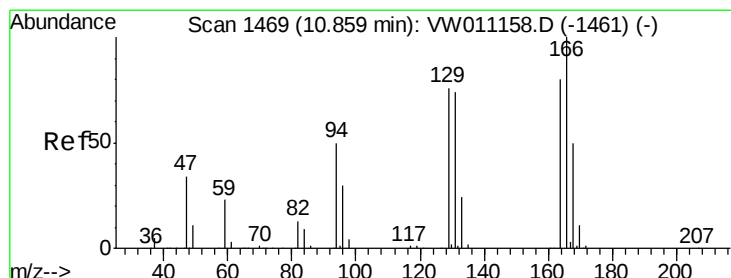
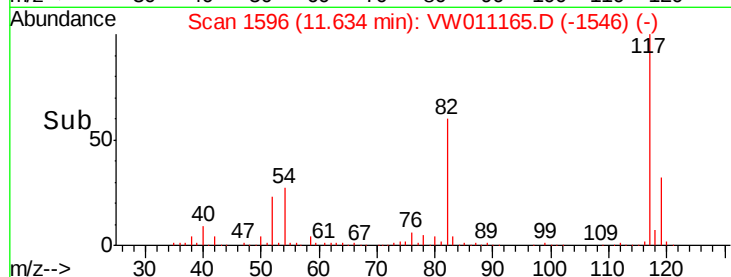
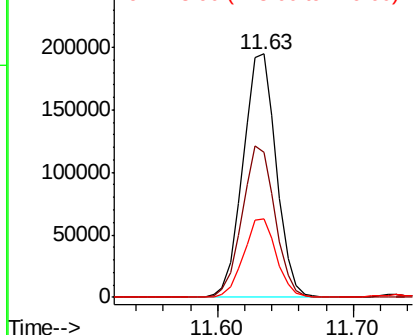
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:117 Resp: 332723
Ion Ratio Lower Upper
117 100
82 59.6 48.9 73.3
119 32.0 25.0 37.6

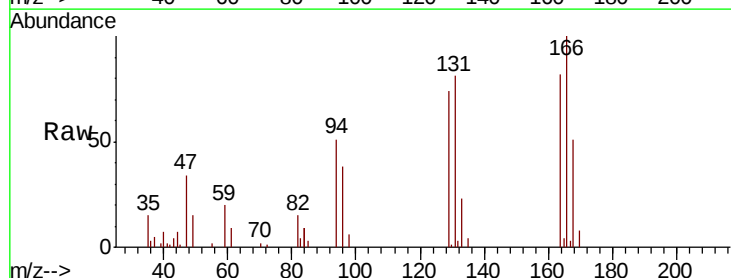


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

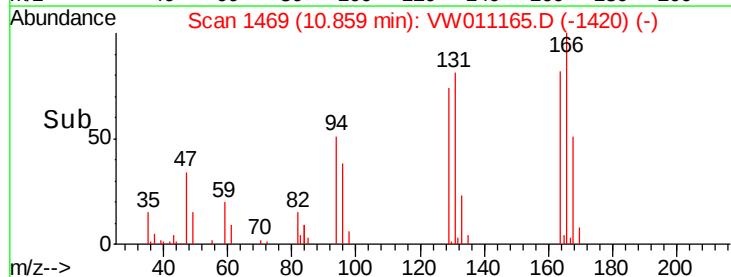
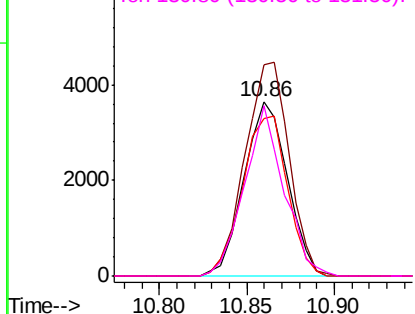


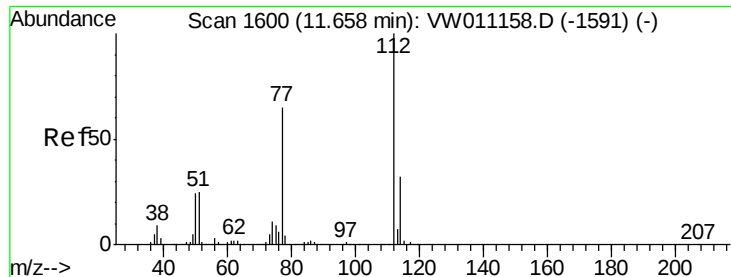
#64
Tetrachloroethene
Concen: 2.791 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:164 Resp: 6266
Ion Ratio Lower Upper
164 100
166 121.3 99.7 149.5
129 90.3 76.2 114.2
131 97.6 74.0 111.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

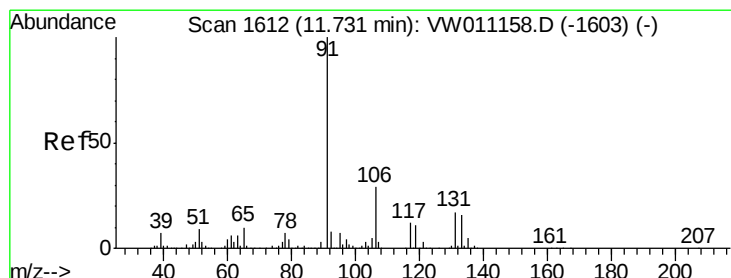
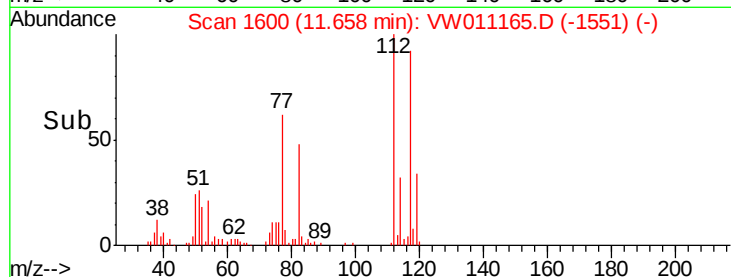
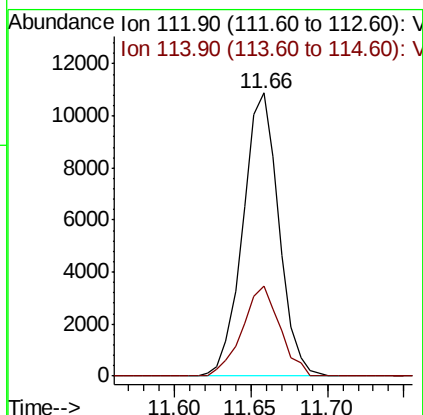
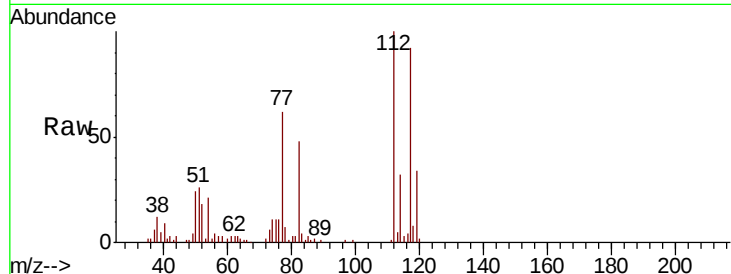




#65
Chlorobenzene
Concen: 2.626 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

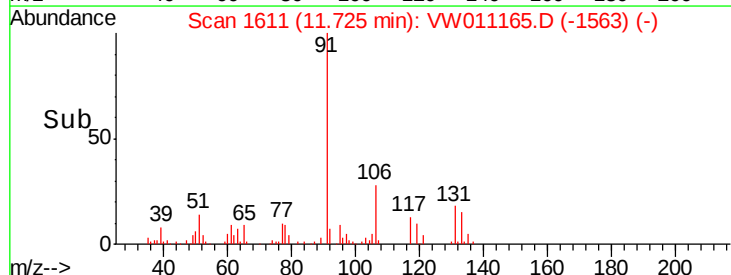
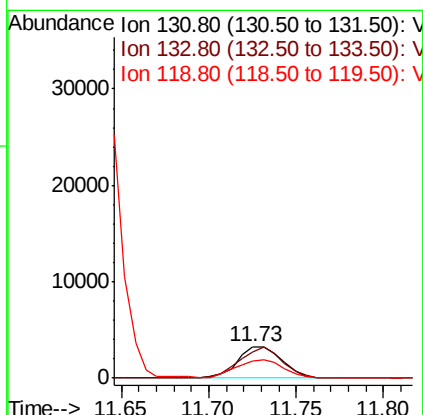
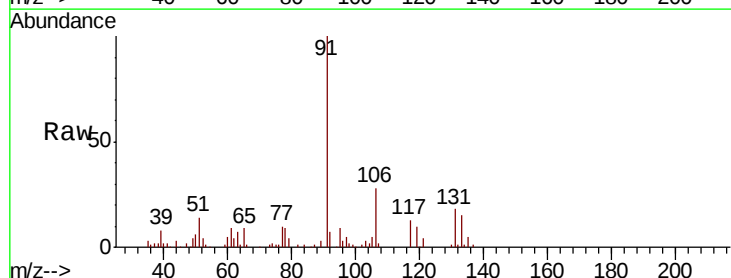
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

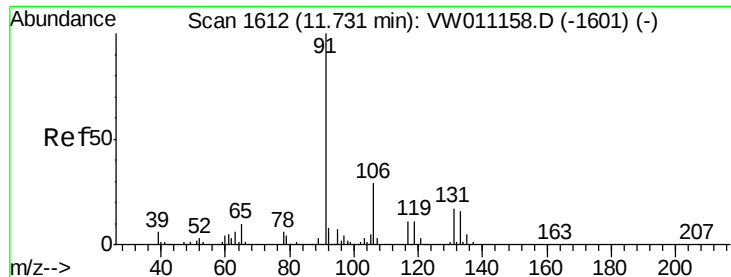
Tot Ion:112 Resp: 17763
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 2.381 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:131 Resp: 5671
Ion Ratio Lower Upper
131 100
133 96.7 47.9 143.8
119 63.5 33.1 99.2

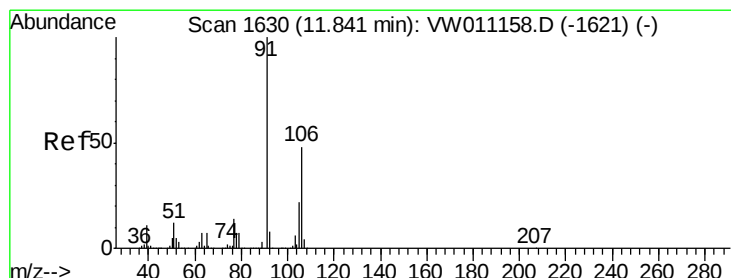
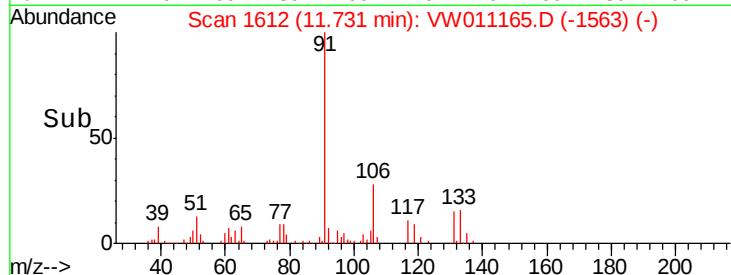
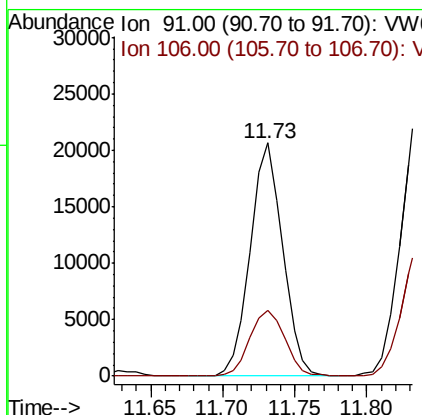
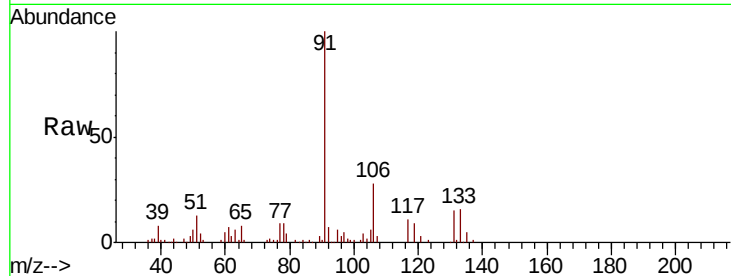




#67
Ethyl Benzene
Concen: 2.490 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

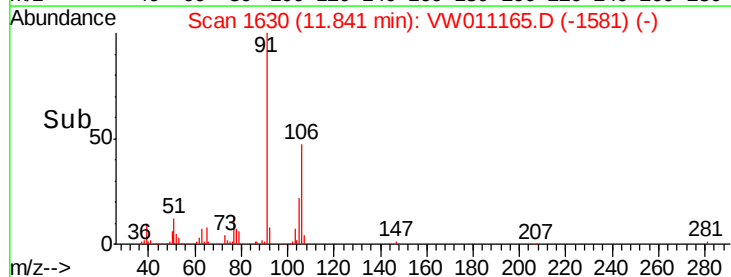
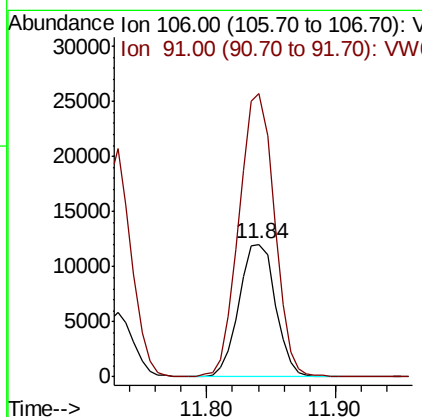
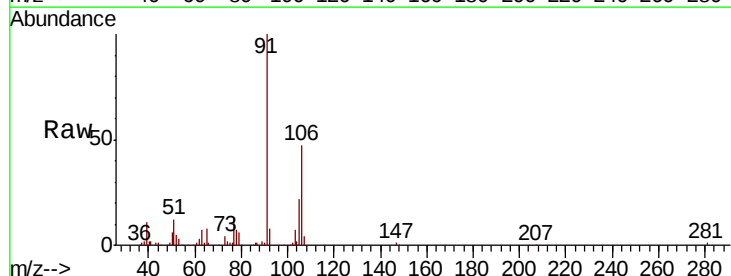
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

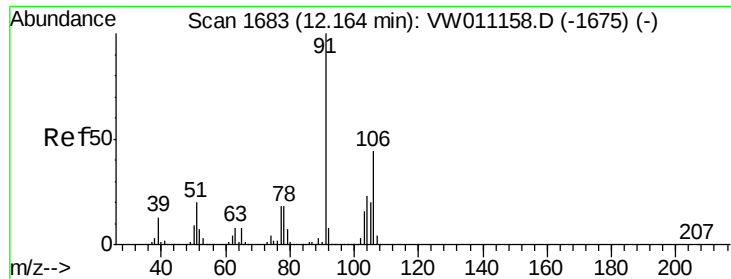
Tot Ion: 91 Resp: 32241
Ion Ratio Lower Upper
91 100
106 28.1 23.5 35.3



#68
m/p-Xylenes
Concen: 5.037 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 106 Resp: 23601
Ion Ratio Lower Upper
106 100
91 208.6 167.7 251.5

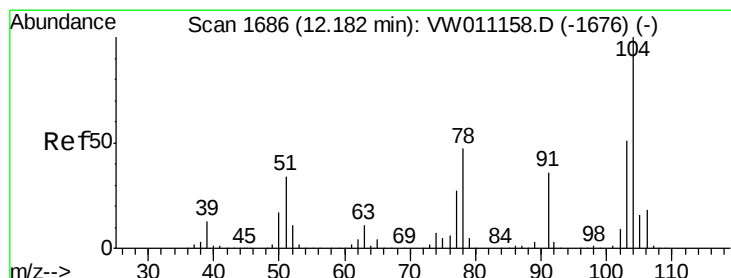
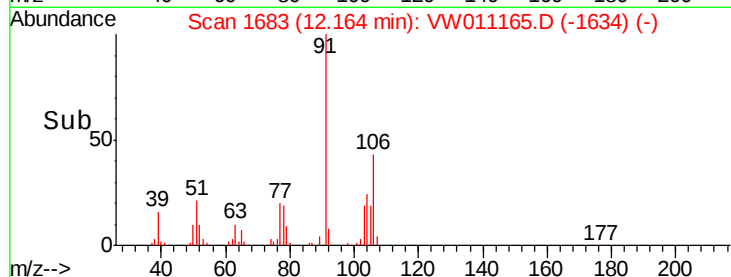
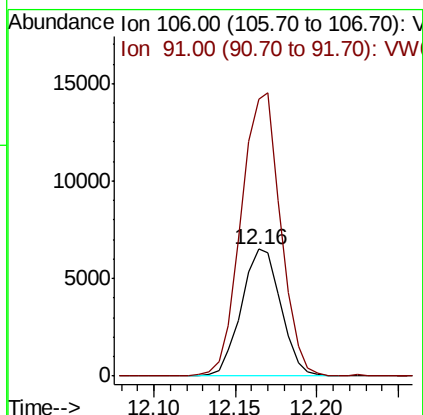
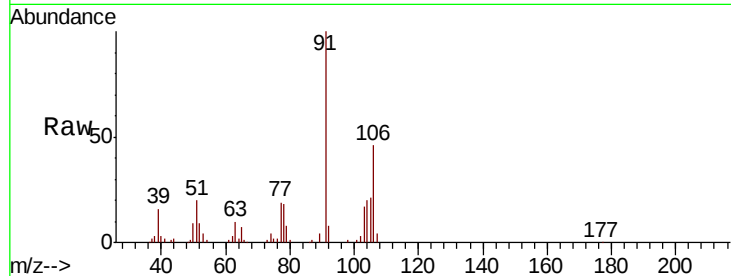




#69
o-Xylene
Concen: 2.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

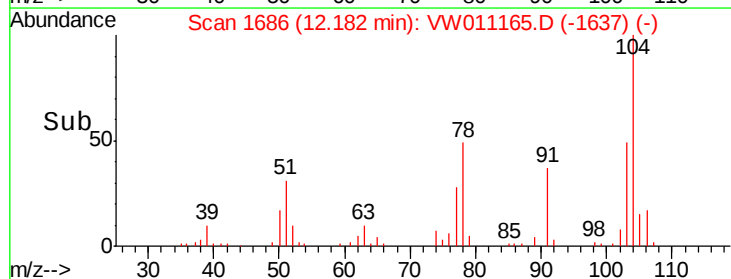
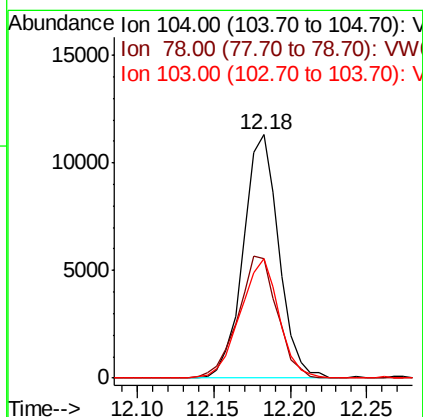
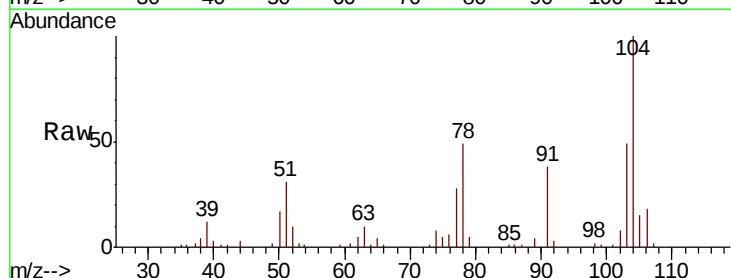
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

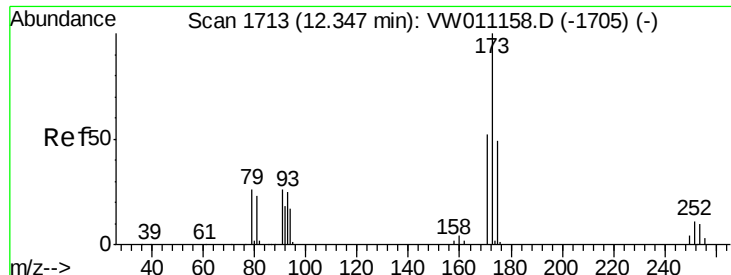
Tot Ion:106 Resp: 10983
Ion Ratio Lower Upper
106 100
91 222.2 110.7 332.1



#70
Styrene
Concen: 2.383 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:104 Resp: 18165
Ion Ratio Lower Upper
104 100
78 55.3 43.1 64.7
103 53.6 44.1 66.1

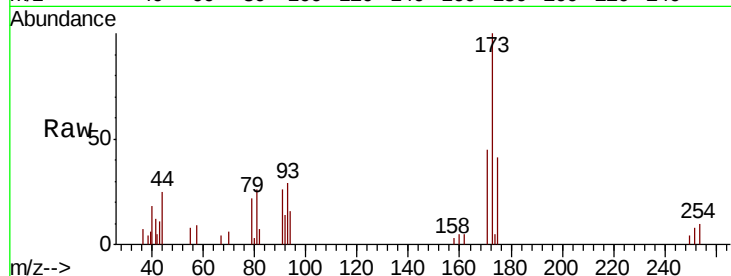




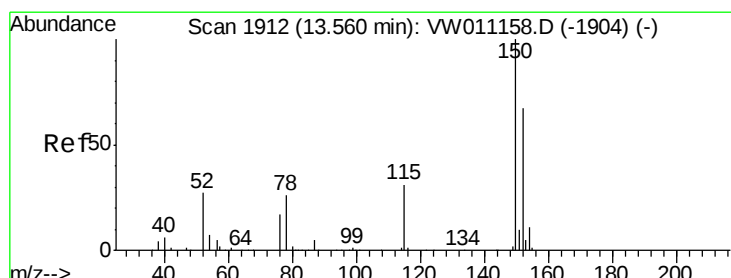
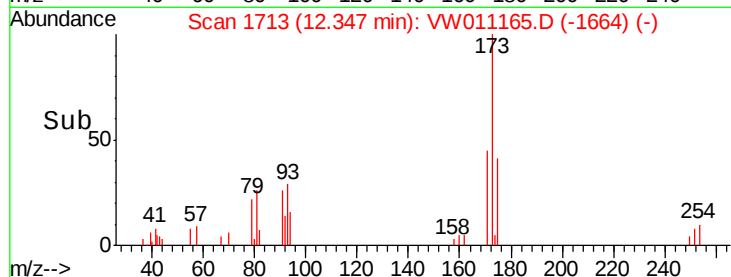
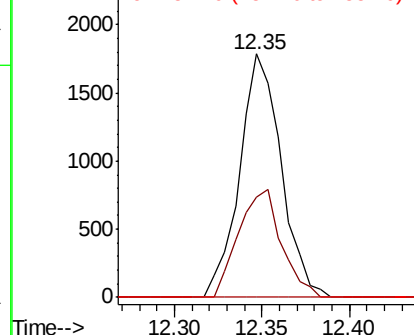
#71
Bromoform
Concen: 2.328 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:173 Resp: 2948
Ion Ratio Lower Upper
173 100
175 45.5 24.8 74.3
254 0.0 0.0 0.0

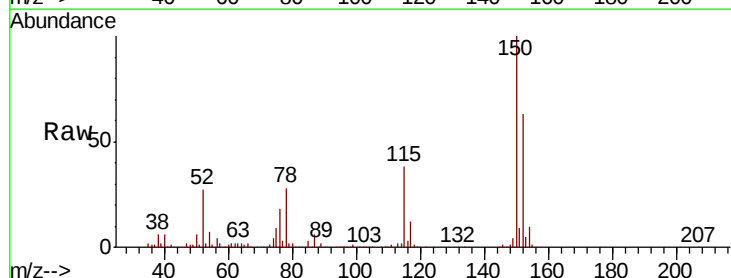


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

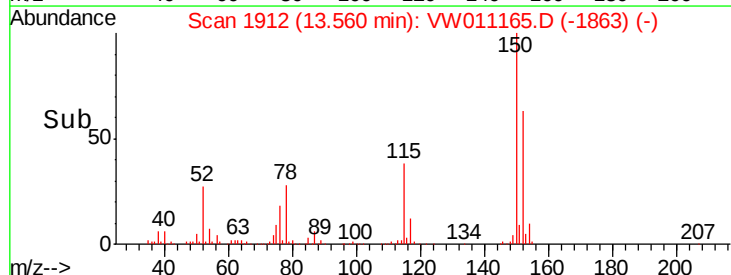
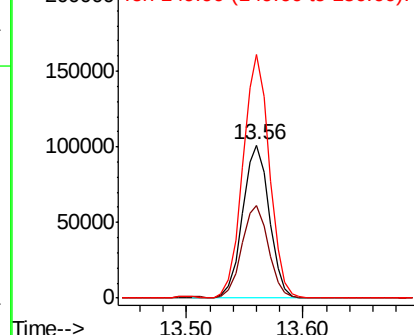


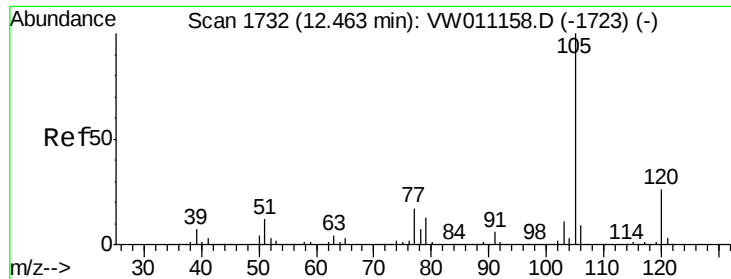
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:152 Resp: 161112
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.3
150 158.7 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.529 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

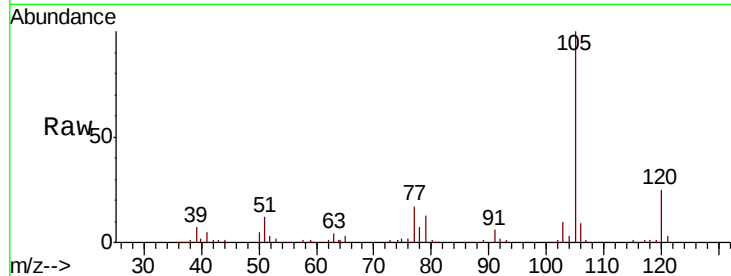
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:105 Resp: 30460

Ion Ratio Lower Upper

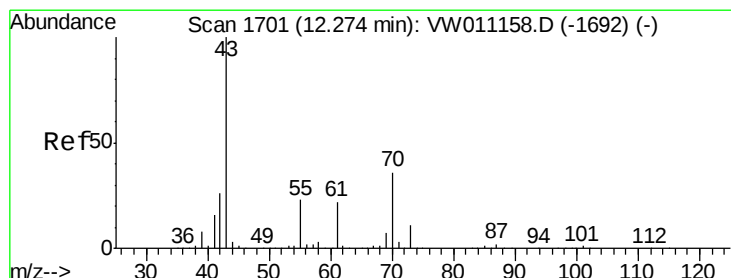
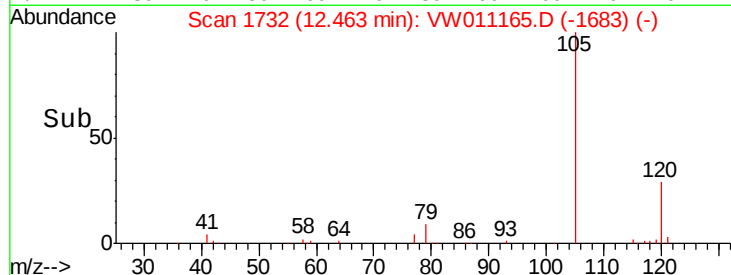
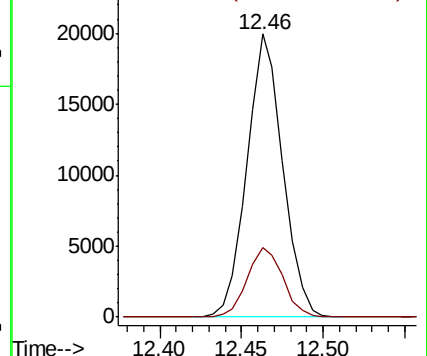
105 100

120 24.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.255 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Tgt Ion: 43 Resp: 9457

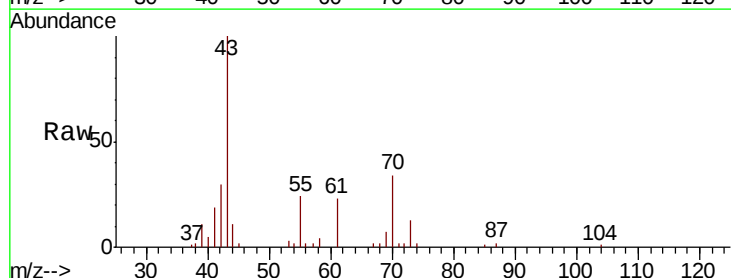
Ion Ratio Lower Upper

43 100

70 36.7 28.5 42.7

55 24.8 18.1 27.1

61 22.1 17.2 25.8

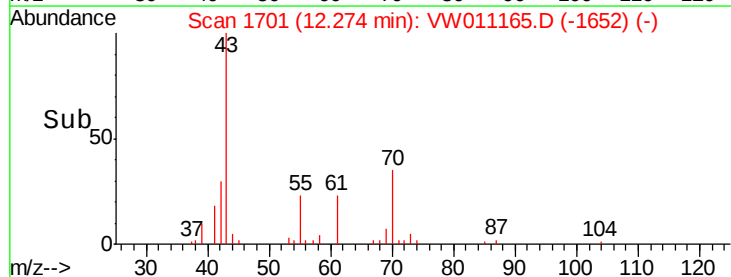
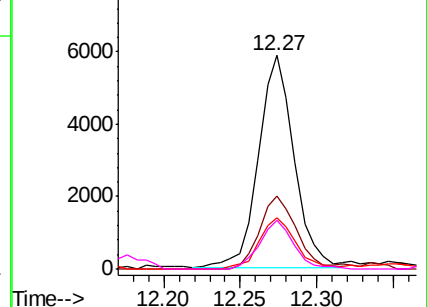


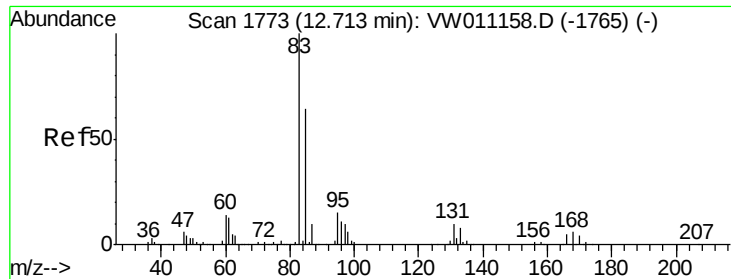
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 2.583 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

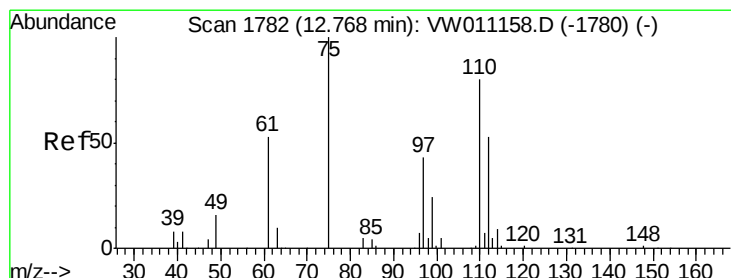
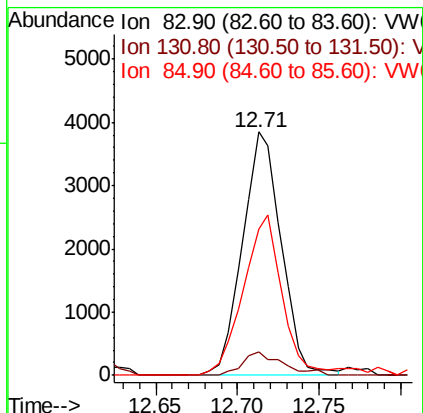
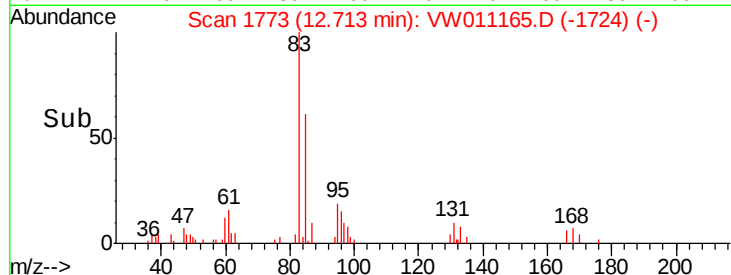
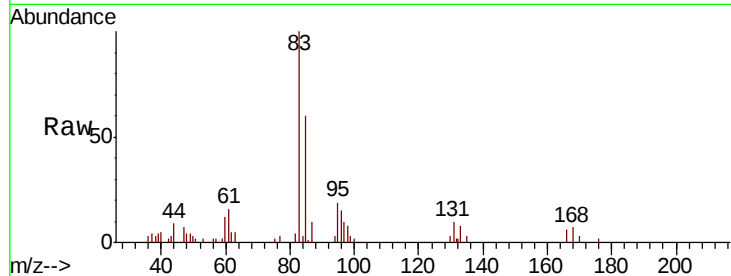
Tot Ion: 83 Resp: 6377

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 65.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 4.551 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011165.D

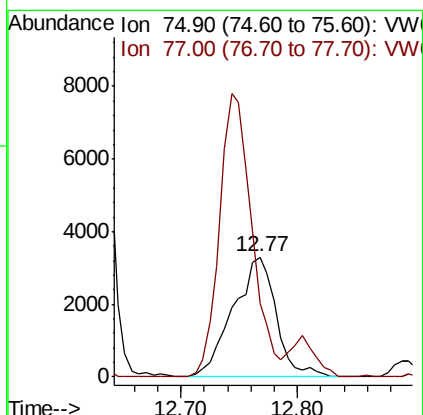
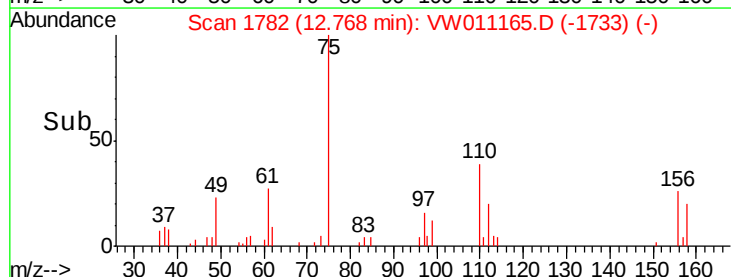
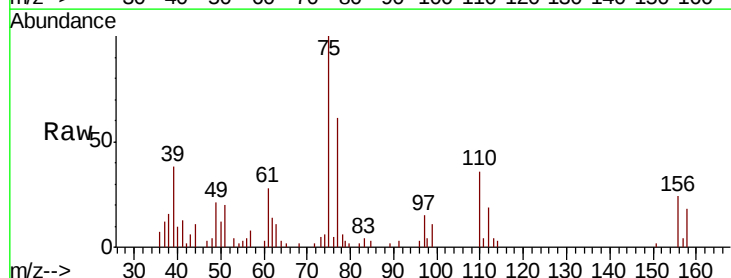
Acq: 08 Jul 2019 17:13

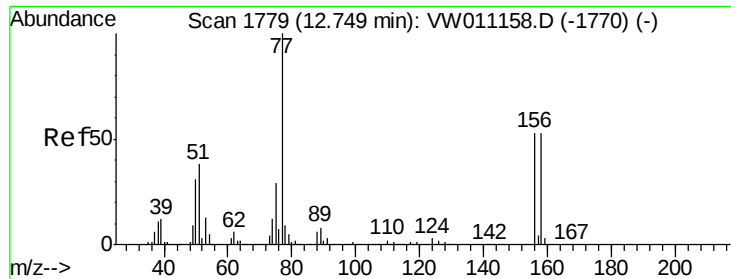
Tgt Ion: 75 Resp: 8473

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

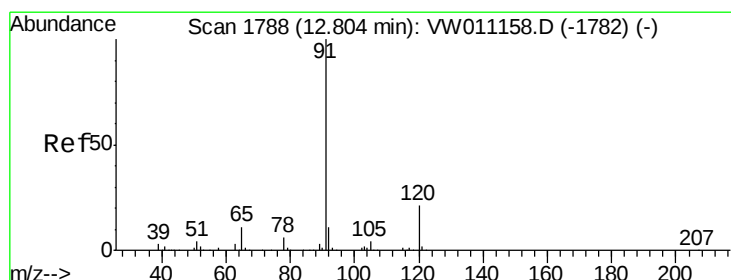
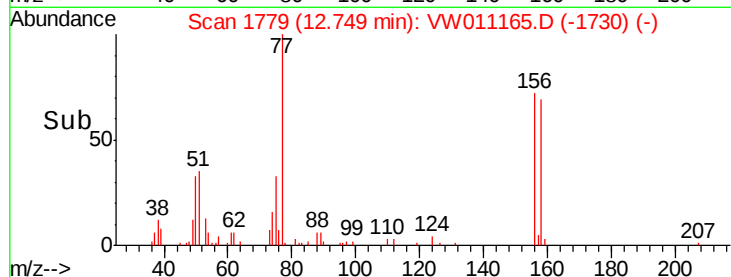
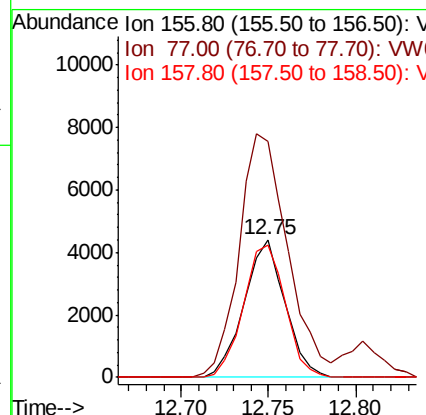
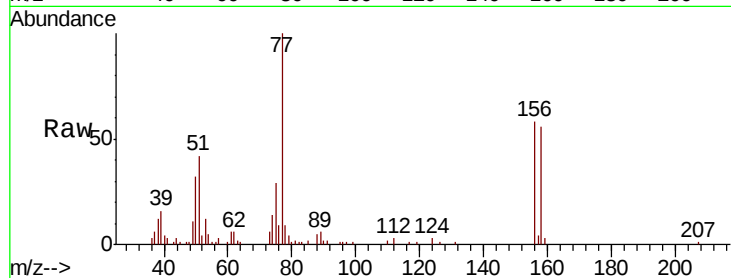




#77
Bromobenzene
Concen: 2.642 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

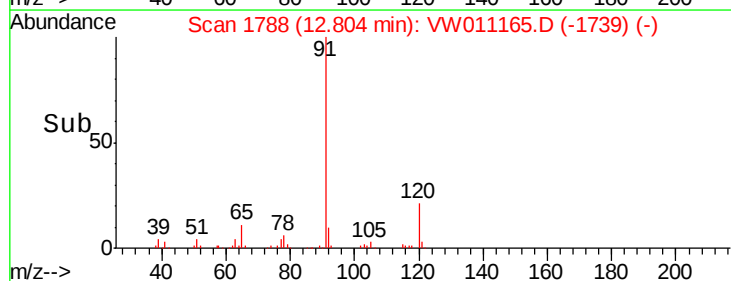
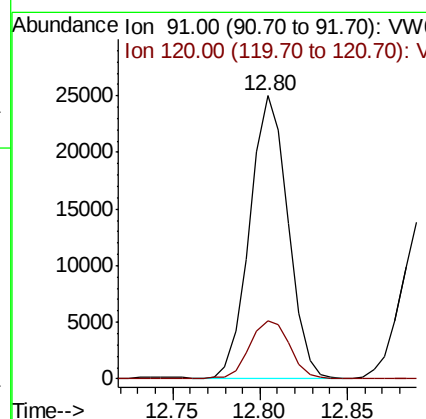
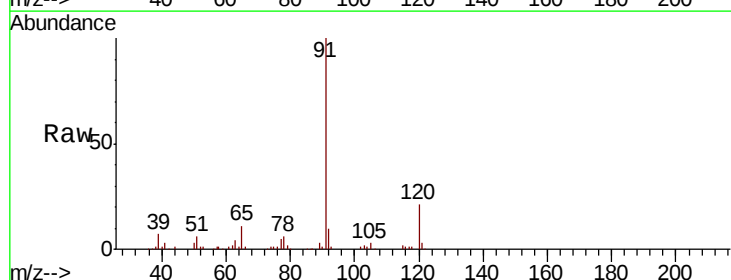
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

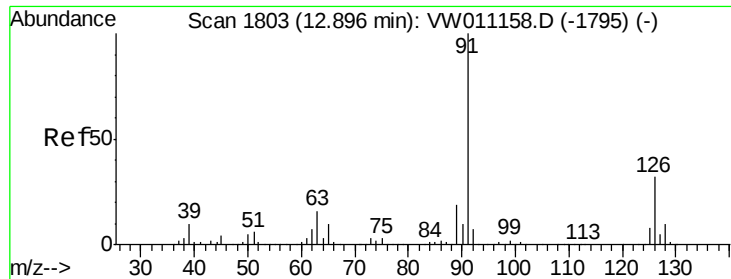
Tot Ion:156 Resp: 7140
Ion Ratio Lower Upper
156 100
77 211.0 109.0 327.0
158 98.2 48.8 146.3



#78
n-propylbenzene
Concen: 2.572 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 91 Resp: 38155
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.3





#79

2-Chlorotoluene

Concen: 2.633 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

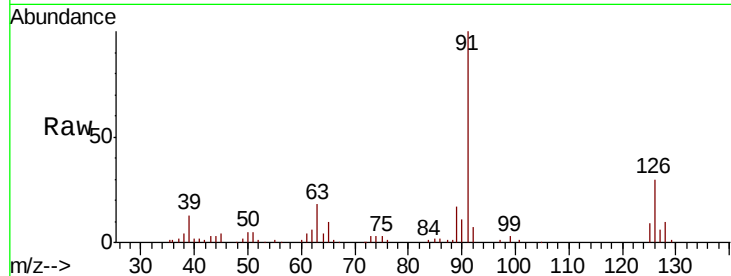
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 91 Resp: 22476

Ion Ratio Lower Upper

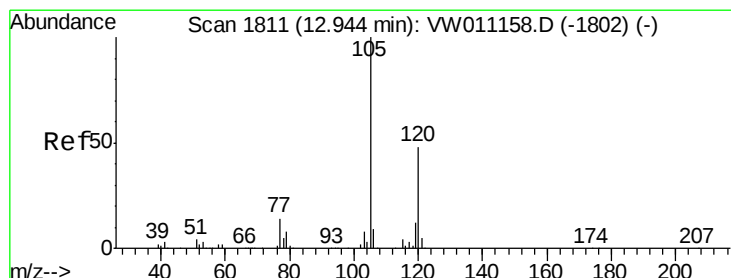
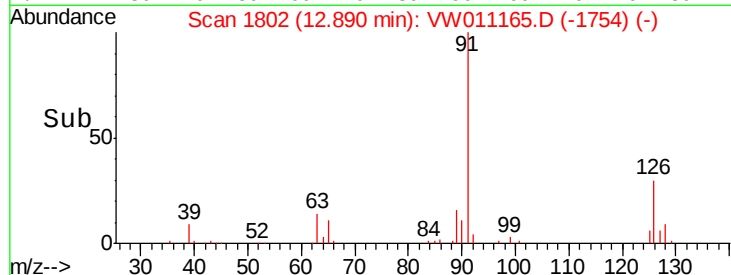
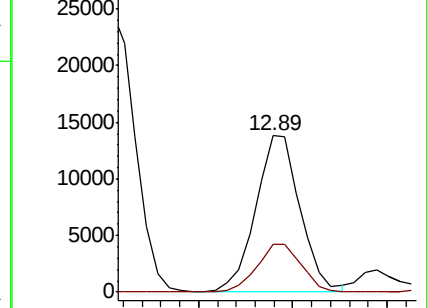
91 100

126 30.9 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.473 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011165.D

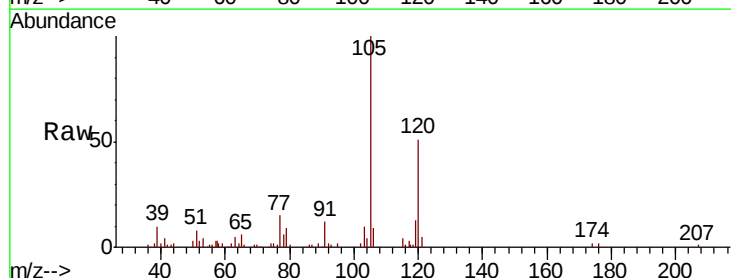
Acq: 08 Jul 2019 17:13

Tgt Ion:105 Resp: 25299

Ion Ratio Lower Upper

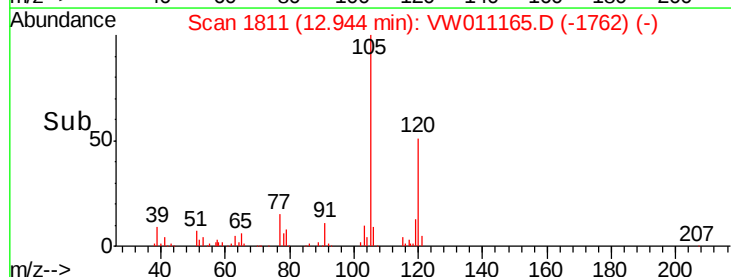
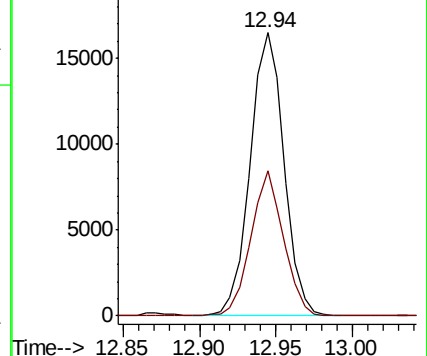
105 100

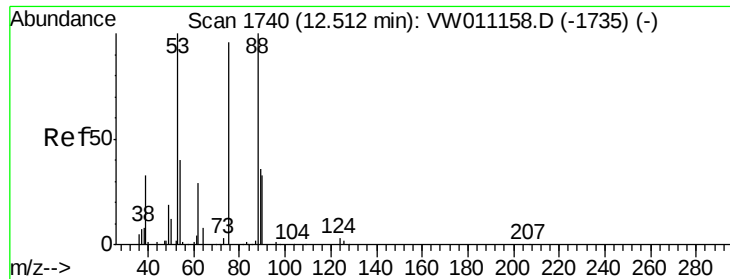
120 49.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

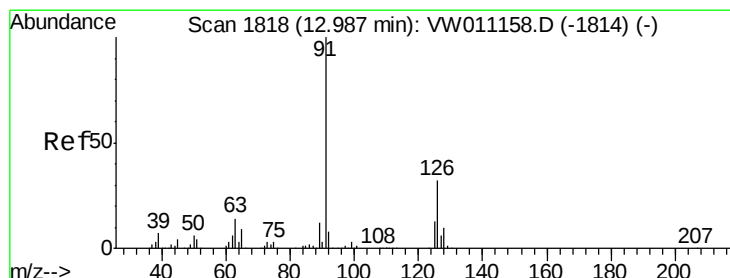
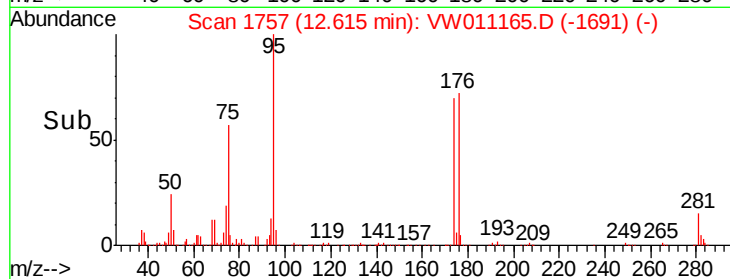
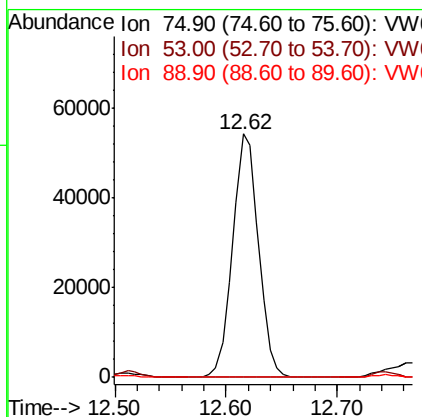
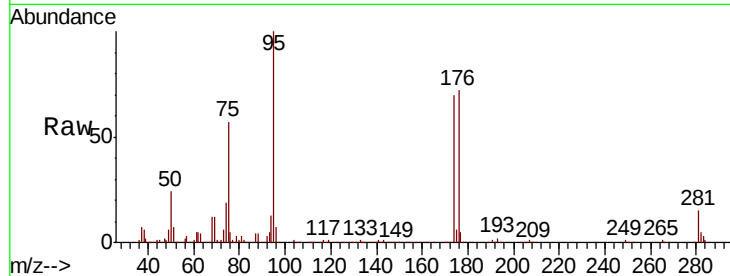




#81
trans-1,4-Dichloro-2-butene
Concen: 105.670 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

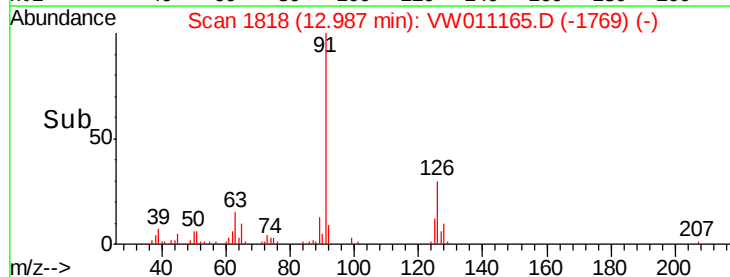
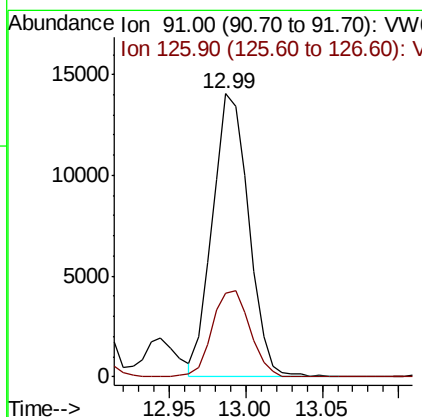
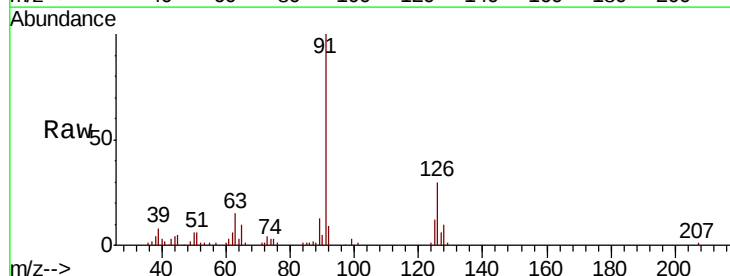
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

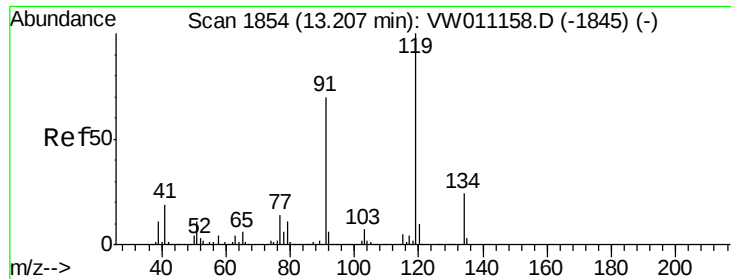
Tot Ion: 75 Resp: 86984
Ion Ratio Lower Upper
75 100
53 0.0 89.8 134.6#
89 0.0 34.3 51.5#



#82
4-Chlorotoluene
Concen: 2.607 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 91 Resp: 23184
Ion Ratio Lower Upper
91 100
126 31.9 15.7 47.1

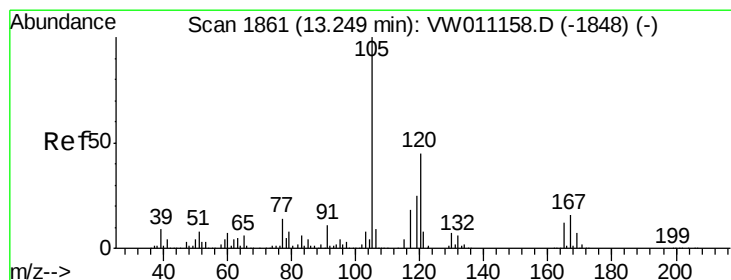
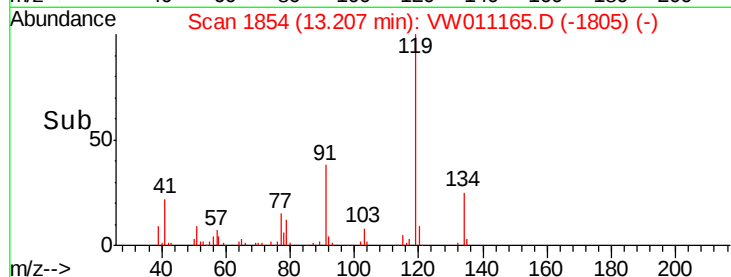
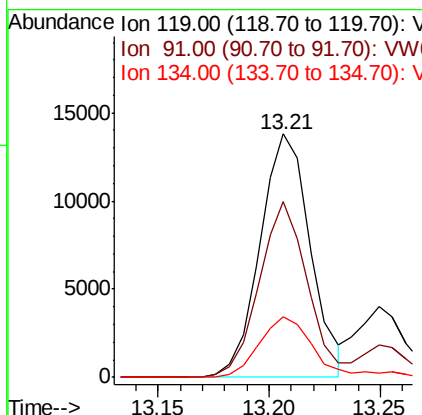
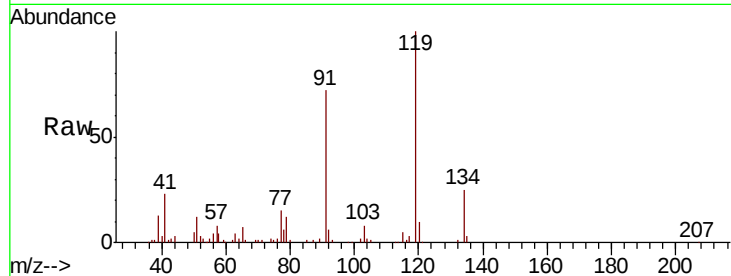




#83
tert-Butylbenzene
Concen: 2.538 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

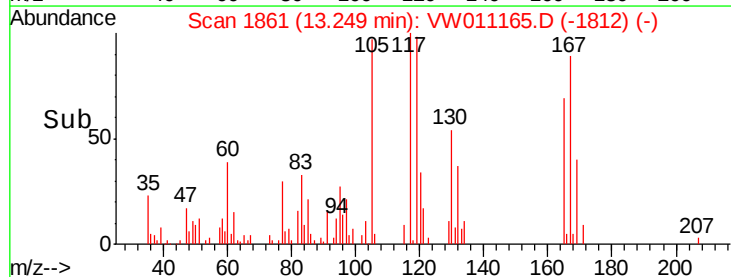
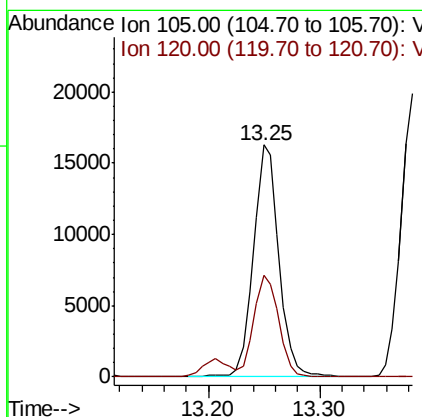
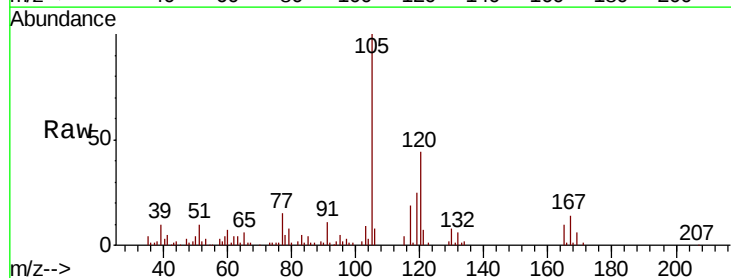
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

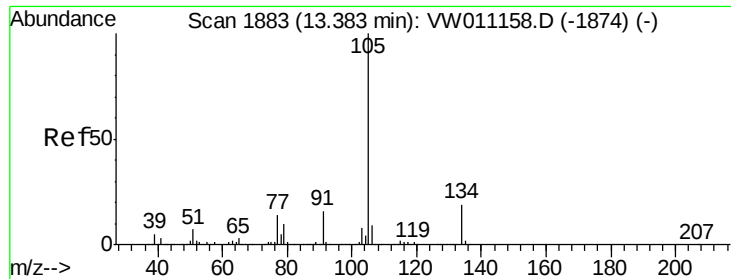
Tot Ion:119 Resp: 21657
Ion Ratio Lower Upper
119 100
91 68.5 35.4 106.3
134 27.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 2.519 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion:105 Resp: 25875
Ion Ratio Lower Upper
105 100
120 43.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 2.525 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

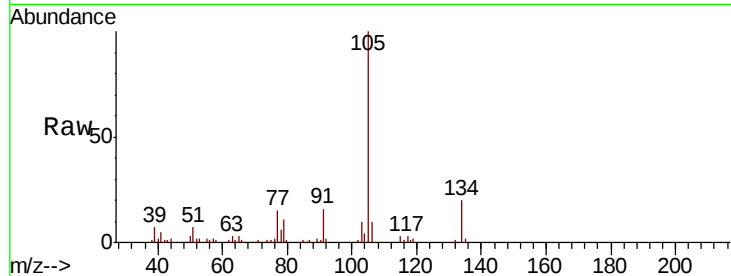
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:105 Resp: 31087

Ion Ratio Lower Upper

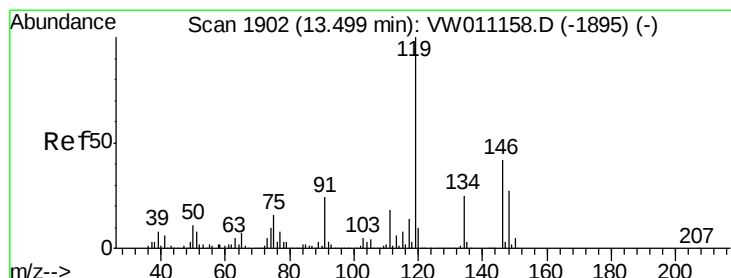
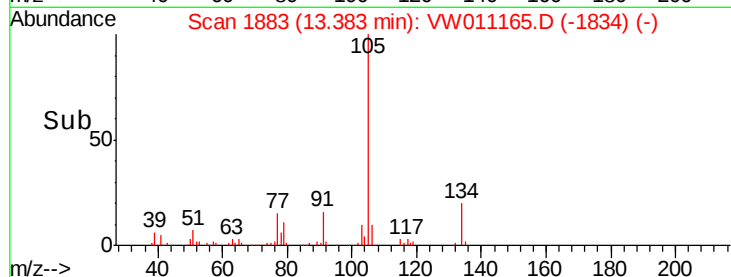
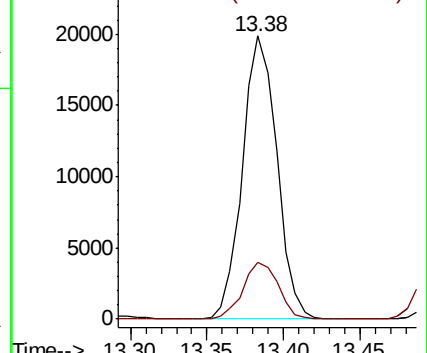
105 100

134 20.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.505 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

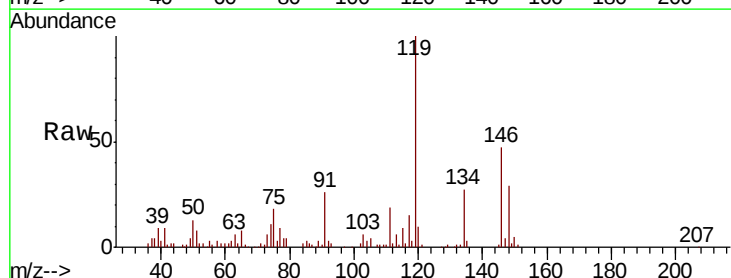
Tgt Ion:119 Resp: 27663

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

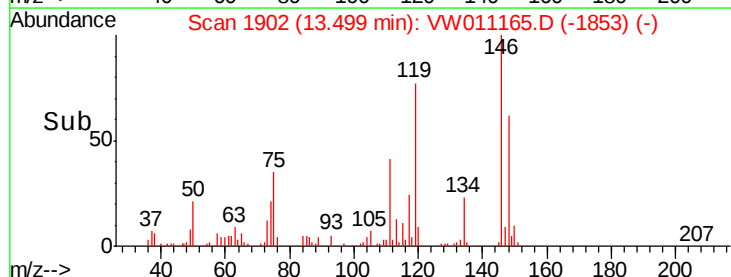
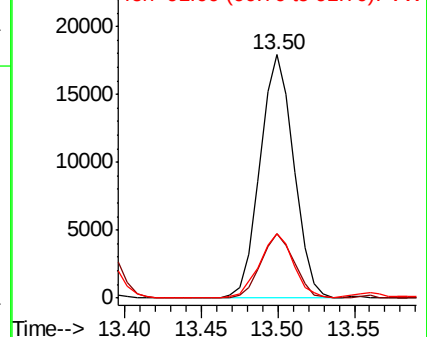
91 26.5 12.3 36.8

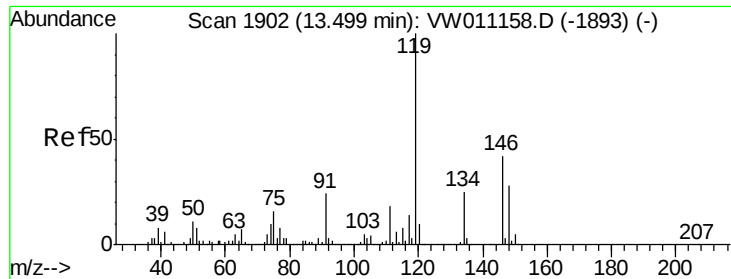


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.728 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

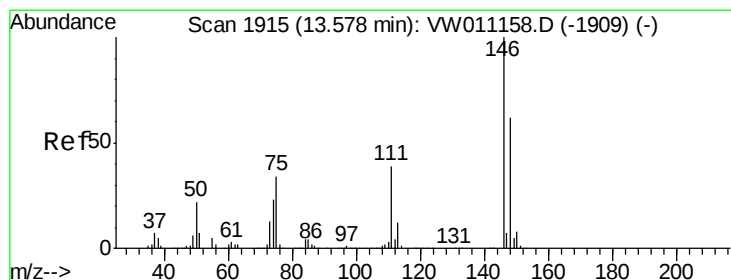
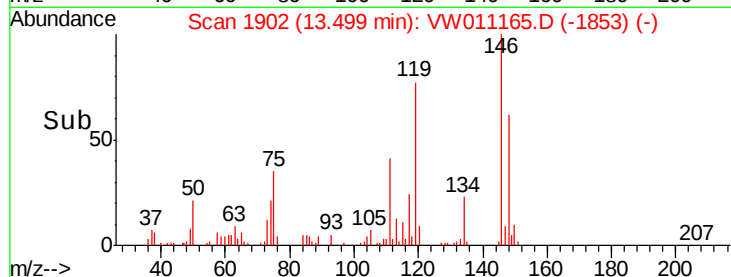
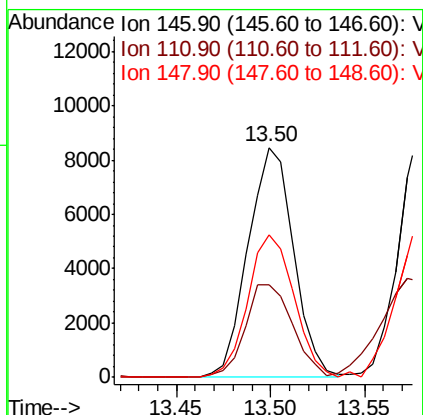
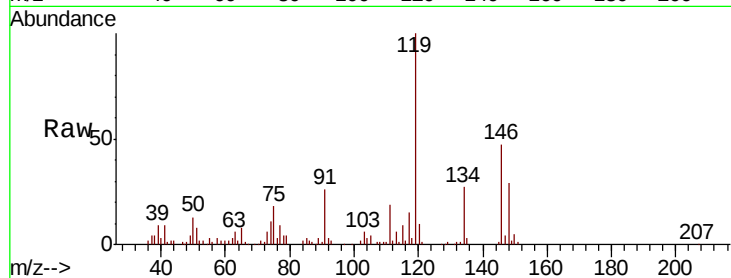
Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:146 Resp: 14185

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	62.6	32.6	97.7



#88

1,4-Dichlorobenzene

Concen: 2.774 ug/l

RT: 13.58 min Scan# 1915

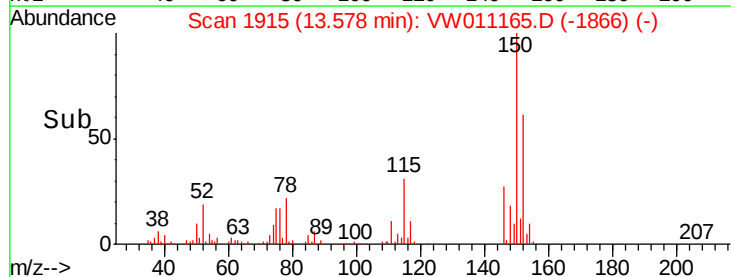
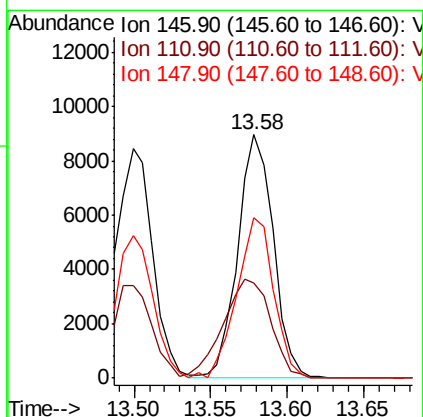
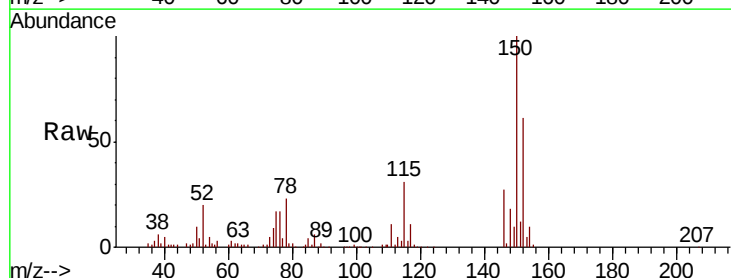
Delta R.T. 0.00 min

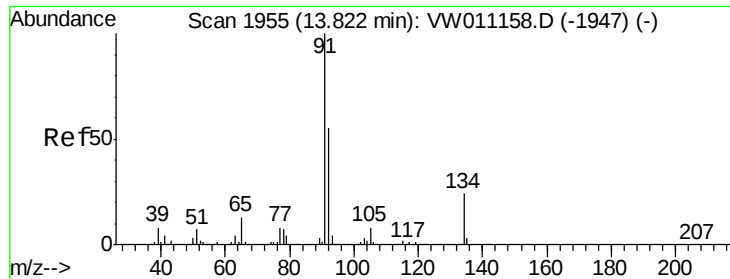
Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Tgt Ion:146 Resp: 14527

Ion	Ratio	Lower	Upper
146	100		
111	54.2	19.9	59.7
148	68.0	31.5	94.5

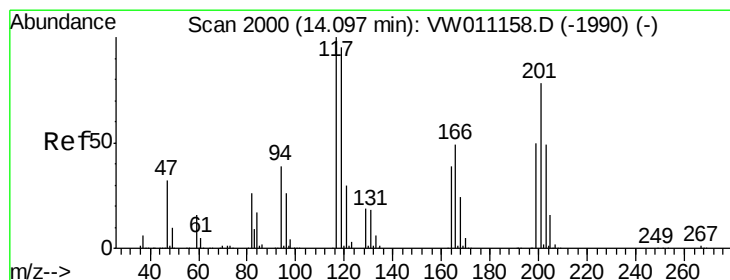
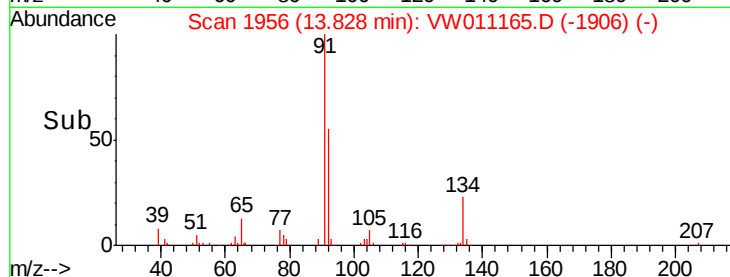
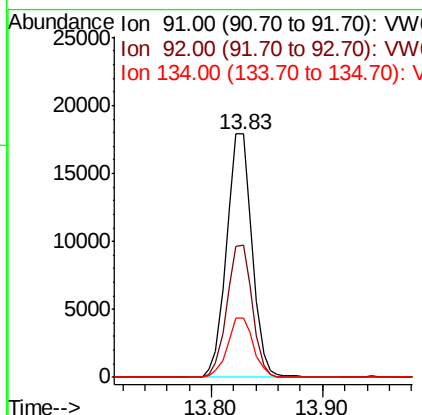
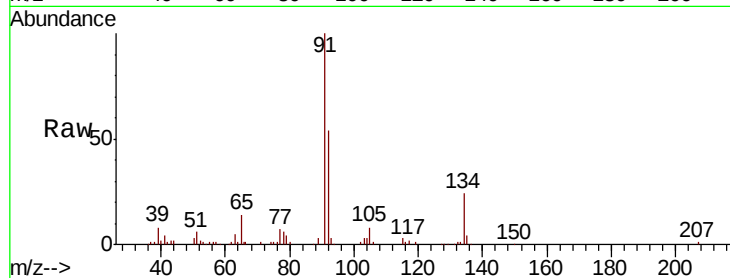




#89
n-Butylbenzene
Concen: 2.581 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

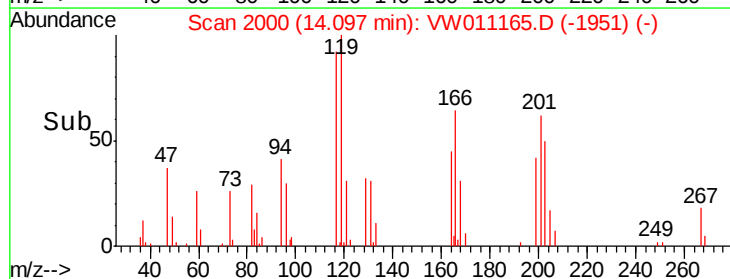
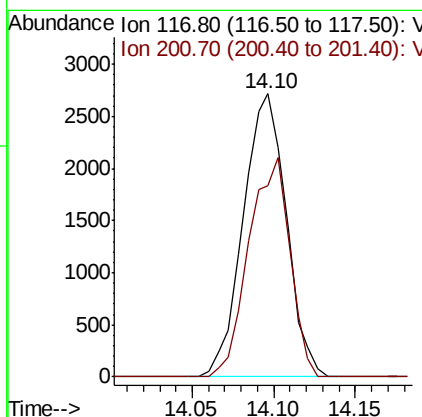
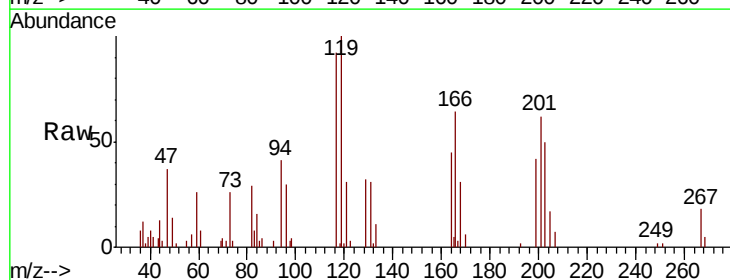
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

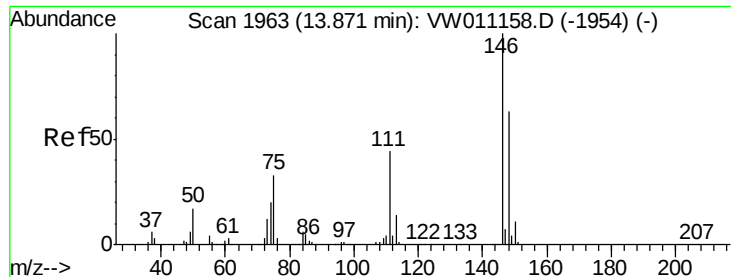
Tot Ion: 91 Resp: 28432
Ion Ratio Lower Upper
91 100
92 53.5 26.9 80.7
134 24.6 12.2 36.4



#90
Hexachloroethane
Concen: 2.478 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011165.D
Acq: 08 Jul 2019 17:13

Tgt Ion: 117 Resp: 5001
Ion Ratio Lower Upper
117 100
201 73.6 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 2.646 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

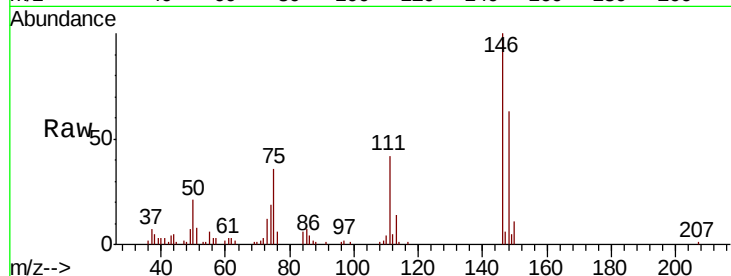
Tot Ion:146 Resp: 12483

Ion Ratio Lower Upper

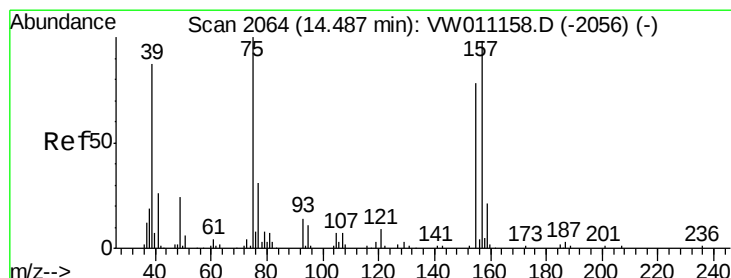
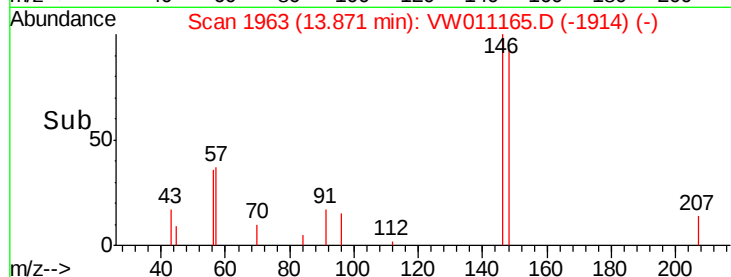
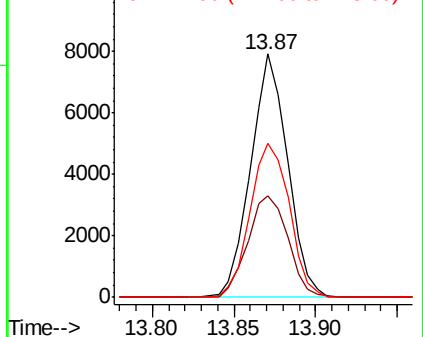
146 100

111 45.4 21.6 65.0

148 67.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.485 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

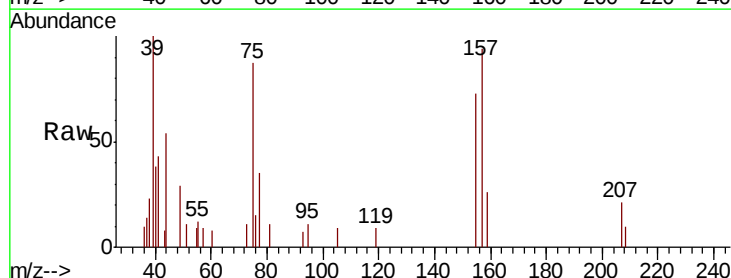
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

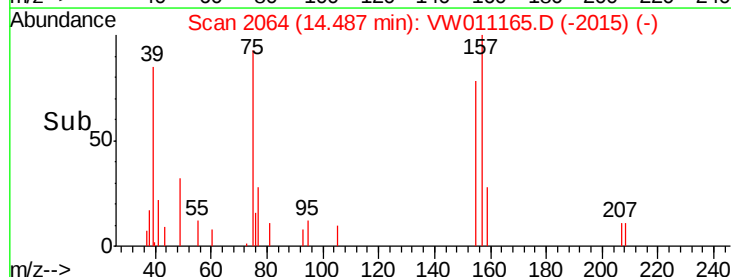
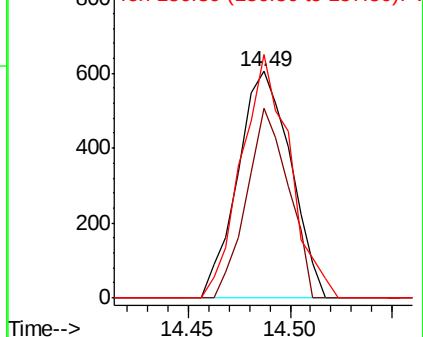
75 100

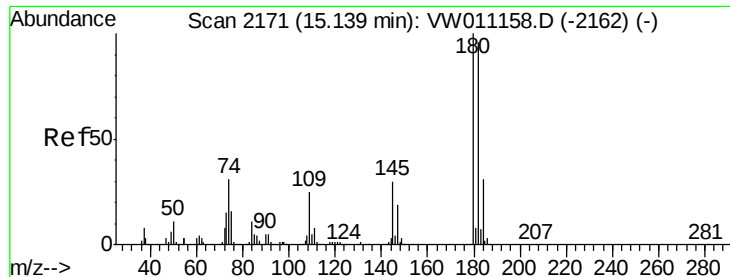
155 66.7 37.1 111.3

157 98.2 48.5 145.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

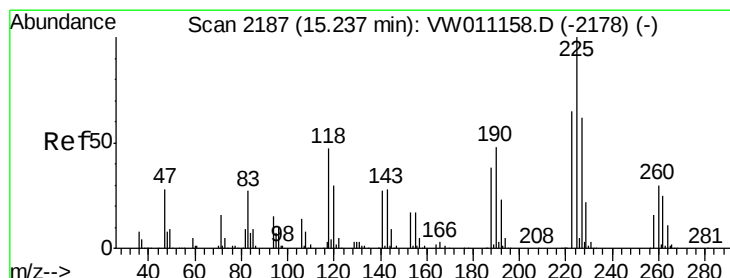
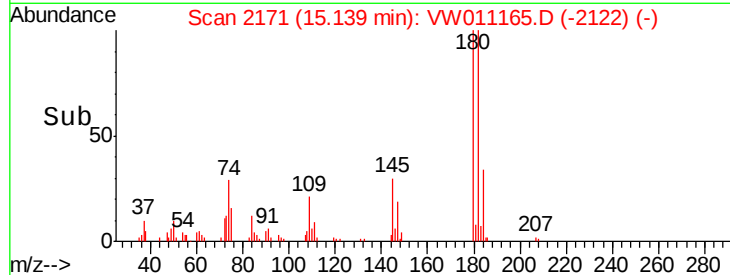
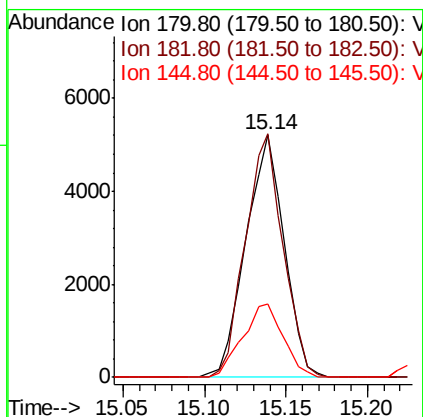
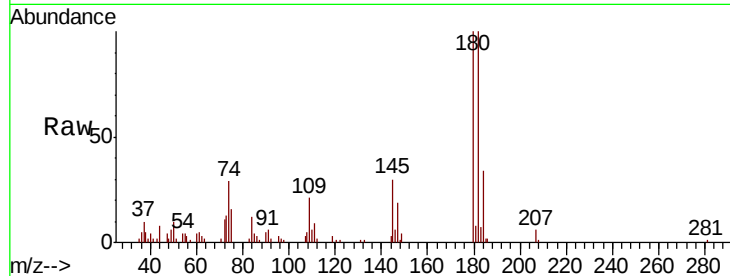




#93
 1,2,4-Trichlorobenzene
 Concen: 2.630 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011165.D
 Acq: 08 Jul 2019 17:13

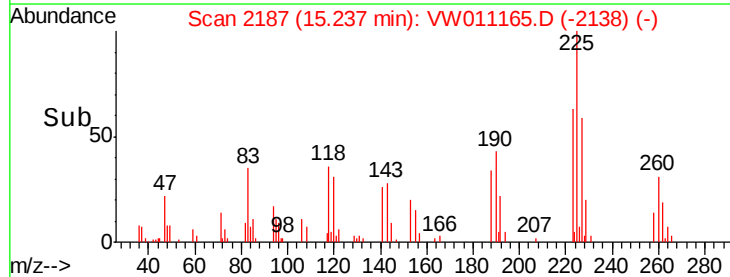
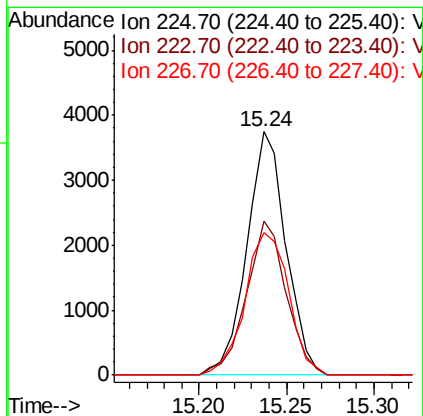
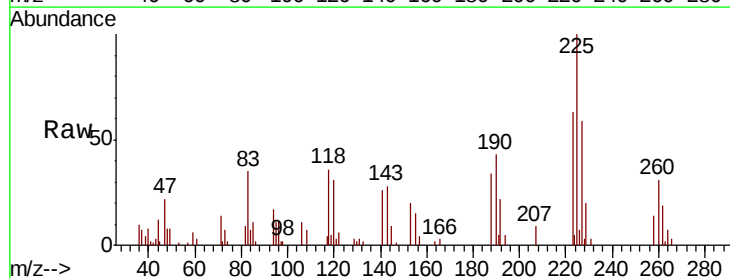
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

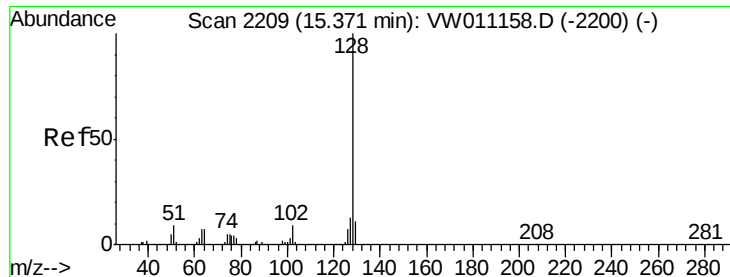
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.3	144.9
145	32.1	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 2.917 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011165.D
 Acq: 08 Jul 2019 17:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.6	95.0
227	65.5	32.0	96.0





#95

Naphthalene

Concen: 2.331 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

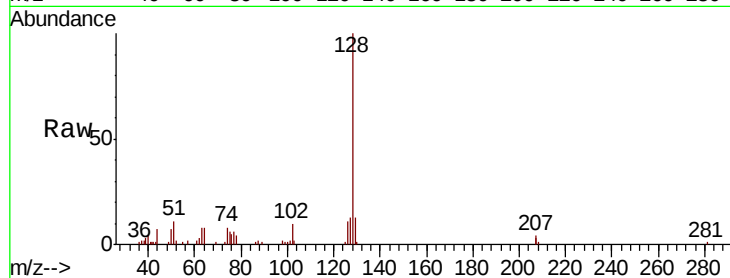
Tot Ion:128 Resp: 14514

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.2 8.7 13.1

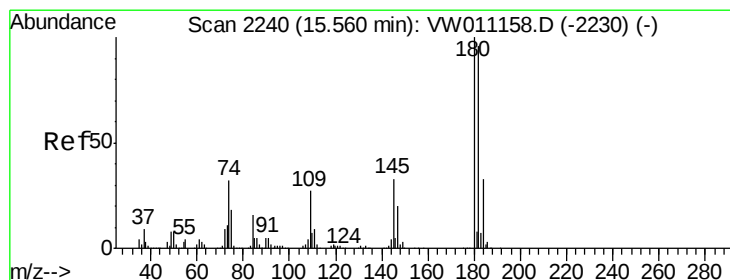
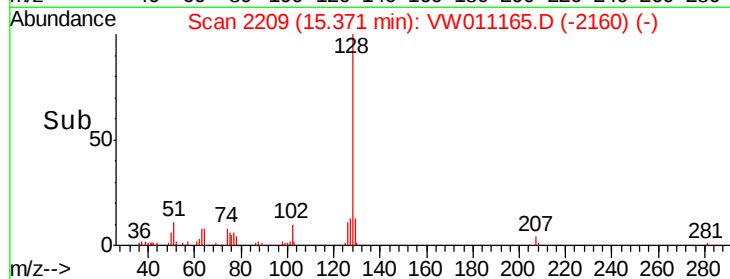
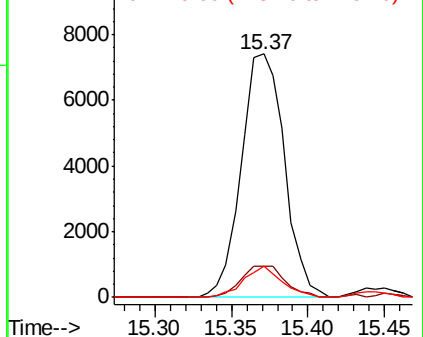


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.797 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW011165.D

Acq: 08 Jul 2019 17:13

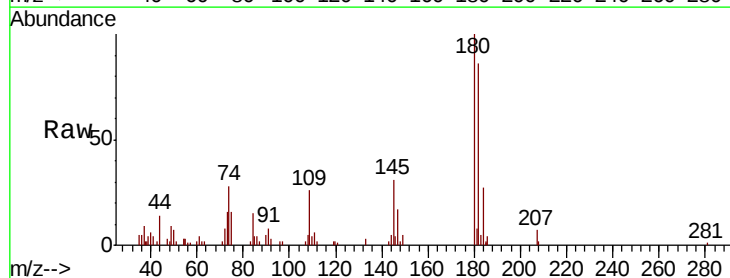
Tgt Ion:180 Resp: 8020

Ion Ratio Lower Upper

180 100

182 89.4 47.6 142.8

145 31.0 16.5 49.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

