

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015103.D
 Acq On : 09 Mar 2020 17:49
 Operator : SY/VA
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 10 18:29:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 10 18:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	762130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	682086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	290213	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	318776	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	7.88	113	230215	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.32	98	969371	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	318240	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	9899	4.22	ug/l	91
3) Chloromethane	2.21	50	25278	5.02	ug/l	97
4) Vinyl Chloride	2.36	62	28648	4.34	ug/l	96
5) Bromomethane	2.78	94	15891	4.21	ug/l	91
6) Chloroethane	2.92	64	15680	4.10	ug/l	# 87
7) Trichlorofluoromethane	3.26	101	14643	4.44	ug/l	94
8) Diethyl Ether	3.68	74	11201	4.45	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22021	4.38	ug/l	100
10) Methyl Iodide	4.27	142	23887	4.27	ug/l	99
11) Tert butyl alcohol	5.15	59	14282	43.65	ug/l	# 93
12) 1,1-Dichloroethene	4.04	96	20563	4.18	ug/l	90
13) Acrolein	3.90	56	10796	22.56	ug/l	95
14) Allyl chloride	4.67	41	42725	4.33	ug/l	99
15) Acrylonitrile	5.37	53	28374	22.01	ug/l	99
16) Acetone	4.12	43	33163	25.54	ug/l	97
17) Carbon Disulfide	4.38	76	73531	4.22	ug/l	98
18) Methyl Acetate	4.67	43	14543	4.73	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	28299	4.49	ug/l	99
20) Methylene Chloride	4.92	84	43150	7.18	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22650	4.34	ug/l	93
22) Diisopropyl ether	6.31	45	76519	4.05	ug/l	90
23) Vinyl Acetate	6.25	43	213722	19.14	ug/l	98
24) 1,1-Dichloroethane	6.21	63	49964	4.53	ug/l	99
25) 2-Butanone	7.17	43	42520	23.89	ug/l	98
26) 2,2-Dichloropropane	7.15	77	34582	5.48	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	23641	4.35	ug/l	89
28) Bromochloromethane	7.51	49	22553	4.27	ug/l	99
29) Tetrahydrofuran	7.53	42	23385	21.00	ug/l	99
30) Chloroform	7.68	83	44538	4.55	ug/l	92
31) Cyclohexane	7.95	56	56822	5.01	ug/l	# 62
32) 1,1,1-Trichloroethane	7.87	97	33674	4.41	ug/l	99
36) 1,1-Dichloropropene	8.08	75	35872	4.06	ug/l	99
37) Ethyl Acetate	7.25	43	20376	4.63	ug/l	97
38) Carbon Tetrachloride	8.07	117	30053	4.18	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015103.D
 Acq On : 09 Mar 2020 17:49
 Operator : SY/VA
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 10 18:29:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 10 18:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	38530	3.81	ug/l	97
40) Benzene	8.32	78	106317	4.33	ug/l	95
41) Methacrylonitrile	7.48	41	7721	3.31	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	33033	4.41	ug/l	100
43) Isopropyl Acetate	8.43	43	33213	4.21	ug/l	96
44) Trichloroethene	9.09	130	21349	4.08	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27252	4.12	ug/l	96
46) Dibromomethane	9.46	93	12064	4.19	ug/l	99
47) Bromodichloromethane	9.64	83	31680	4.13	ug/l	92
48) Methyl methacrylate	9.43	41	14268	3.91	ug/l	98
49) 1,4-Dioxane	9.45	88	3499	79.46	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	87384	20.03	ug/l	96
52) Toluene	10.38	92	58417	4.14	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	28640	3.79	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35624	3.87	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	16189	4.11	ug/l	93
56) Ethyl methacrylate	10.65	69	18324	3.60	ug/l	97
57) 1,3-Dichloropropane	10.93	76	30682	4.09	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57123	19.14	ug/l	100
59) 2-Hexanone	10.97	43	51484	18.90	ug/l	92
60) Dibromochloromethane	11.13	129	16257	3.99	ug/l	100
61) 1,2-Dibromoethane	11.23	107	14491	4.15	ug/l	97
64) Tetrachloroethene	10.86	164	16095	4.09	ug/l	93
65) Chlorobenzene	11.65	112	57525	4.20	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	17856	3.92	ug/l	96
67) Ethyl Benzene	11.73	91	102284	3.84	ug/l	96
68) m/p-Xylenes	11.84	106	69913	7.42	ug/l	99
69) o-Xylene	12.16	106	30735	3.62	ug/l	100
70) Styrene	12.18	104	49446	3.40	ug/l	98
71) Bromoform	12.35	173	8146	4.03	ug/l #	98
73) Isopropylbenzene	12.46	105	84942	3.83	ug/l	99
74) N-amyl acetate	12.27	43	23706	3.62	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20304	4.51	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	25788	7.86	ug/l #	100
77) Bromobenzene	12.74	156	18618	4.25	ug/l	96
78) n-propylbenzene	12.80	91	114362	3.97	ug/l	100
79) 2-Chlorotoluene	12.89	91	66271	4.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	71295	3.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	185289	127.59	ug/l #	6
82) 4-Chlorotoluene	12.99	91	70457	4.08	ug/l	97
83) tert-Butylbenzene	13.20	119	56877	3.68	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	70258	3.69	ug/l	97
85) sec-Butylbenzene	13.38	105	89010	3.81	ug/l	100
86) p-Isopropyltoluene	13.49	119	73227	3.65	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	38648	4.16	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39805	4.35	ug/l	89
89) n-Butylbenzene	13.82	91	80435	3.71	ug/l	98
90) Hexachloroethane	14.09	117	16821	4.18	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	33386	4.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3344	4.63	ug/l	92

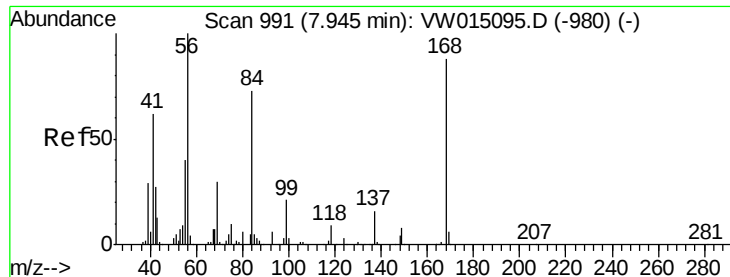
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
Data File : VW015103.D
Acq On : 09 Mar 2020 17:49
Operator : SY/VA
Sample : L1161-01 4PPBLOD
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 10 18:29:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 10 18:26:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	15807	3.40	ug/l	98
94) Hexachlorobutadiene	15.23	225	11827	4.05	ug/l	97
95) Naphthalene	15.36	128	22803	2.62	ug/l	97
96) 1,2,3-Trichlorobenzene	15.55	180	14143	3.43	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

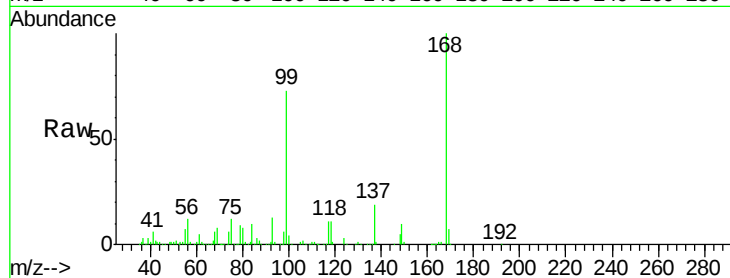
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:168 Resp: 387186

Ion Ratio Lower Upper

168 100

99 72.9 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

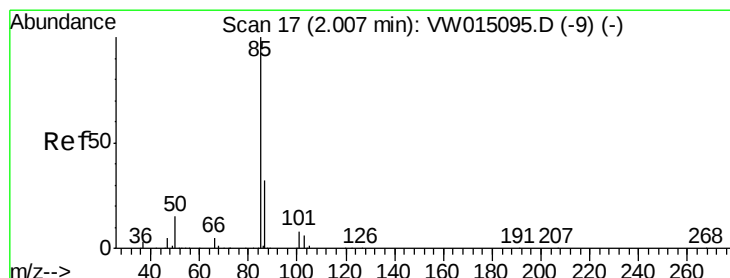
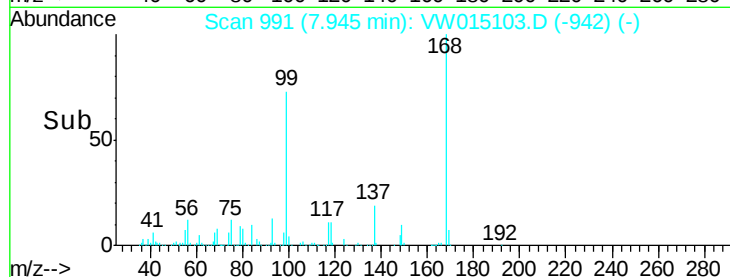
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.22 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW015103.D

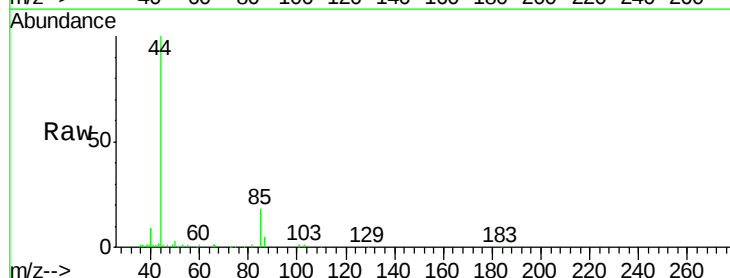
Acq: 09 Mar 2020 17:49

Tgt Ion: 85 Resp: 9899

Ion Ratio Lower Upper

85 100

87 27.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

3000

2000

1000

0

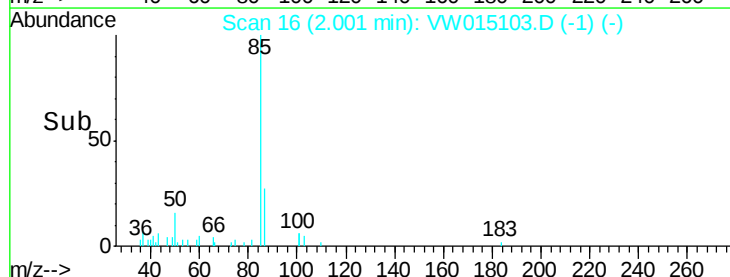
1.90

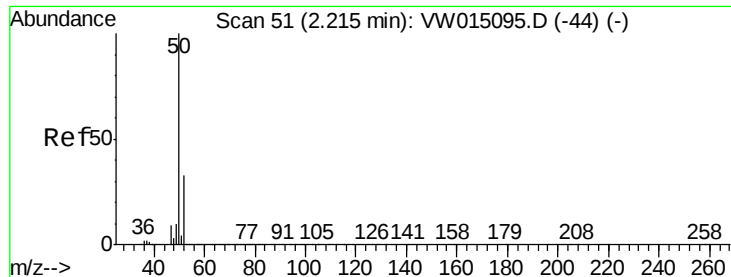
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 5.02 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

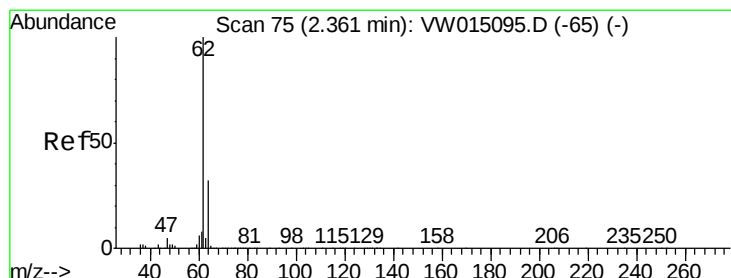
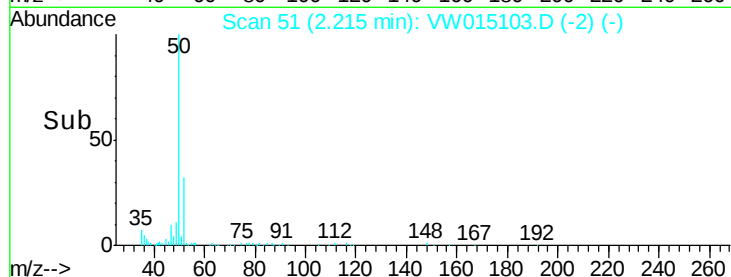
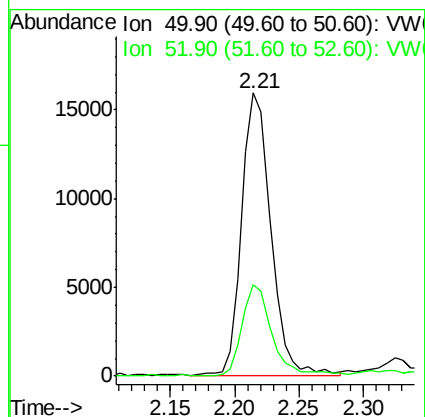
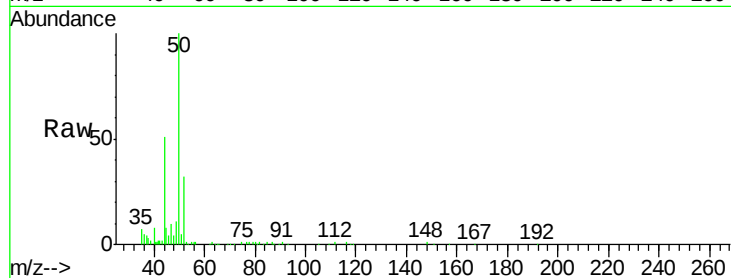
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 50 Resp: 25278

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 4.34 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015103.D

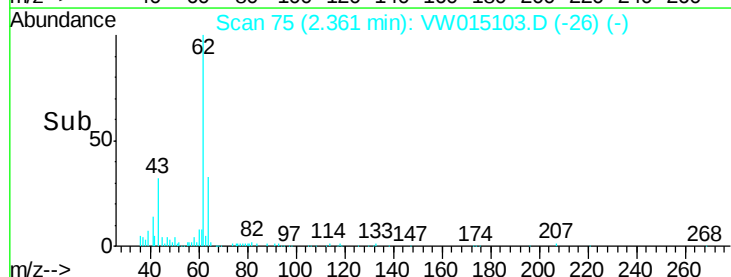
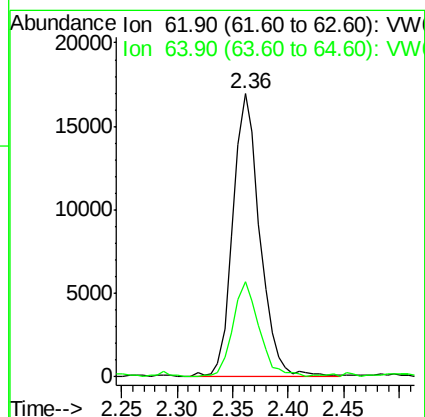
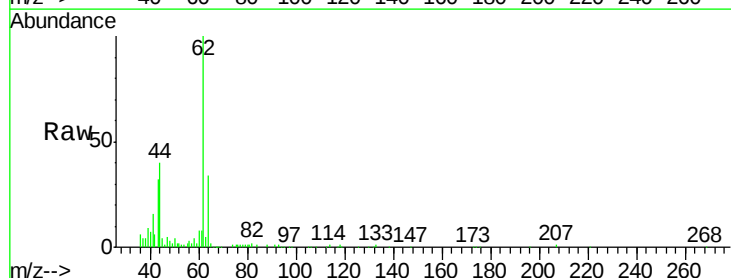
Acq: 09 Mar 2020 17:49

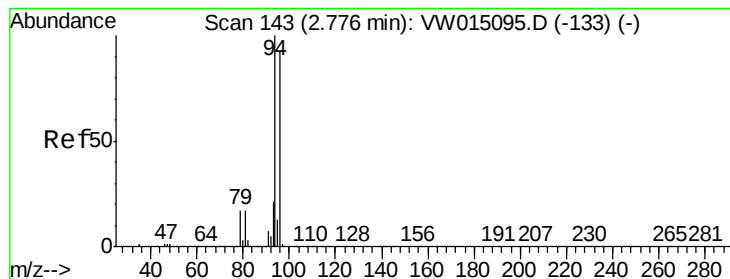
Tgt Ion: 62 Resp: 28648

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 4.21 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

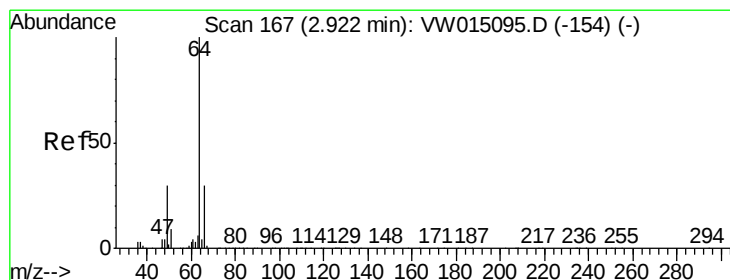
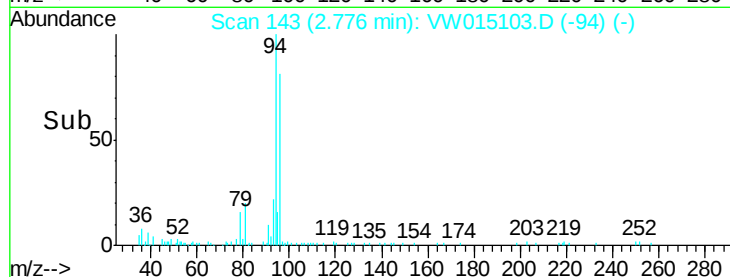
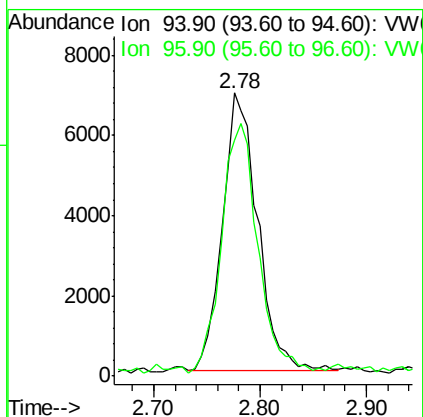
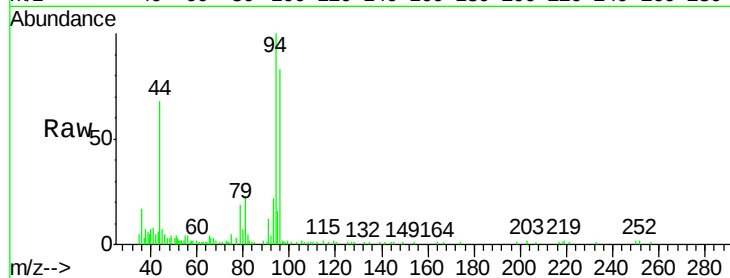
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 94 Resp: 15891

Ion Ratio Lower Upper

94 100

96 83.7 74.0 111.0



#6

Chloroethane

Concen: 4.10 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015103.D

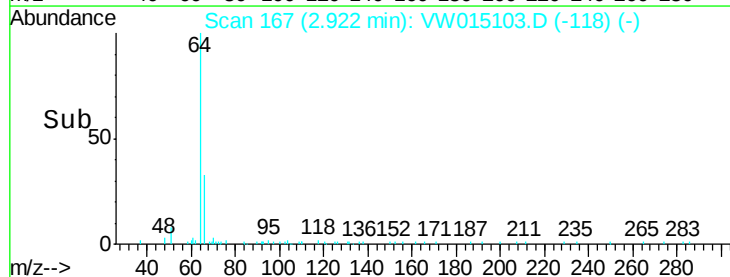
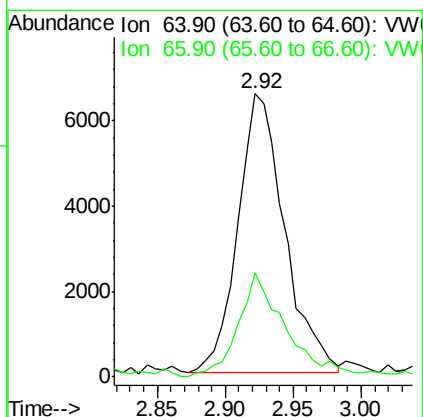
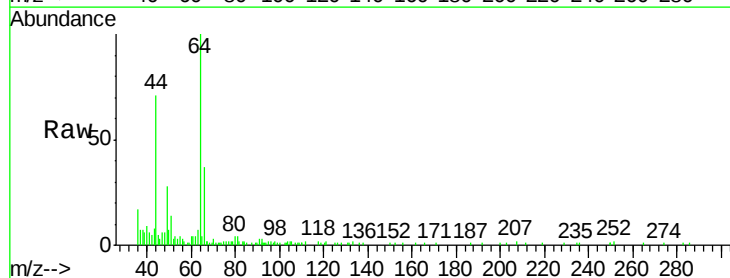
Acq: 09 Mar 2020 17:49

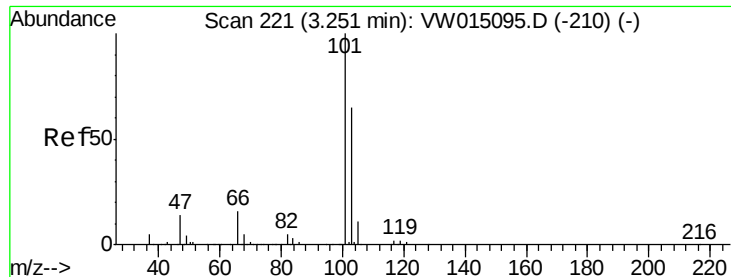
Tgt Ion: 64 Resp: 15680

Ion Ratio Lower Upper

64 100

66 37.3 24.2 36.2#





#7

Trichlorofluoromethane

Concen: 4.44 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

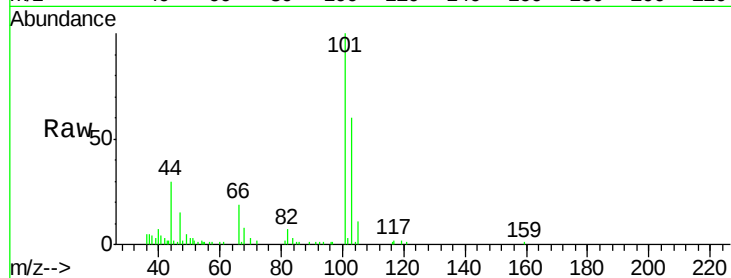
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:101 Resp: 14643

Ion Ratio Lower Upper

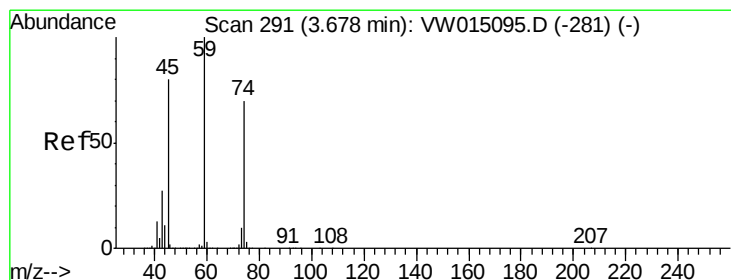
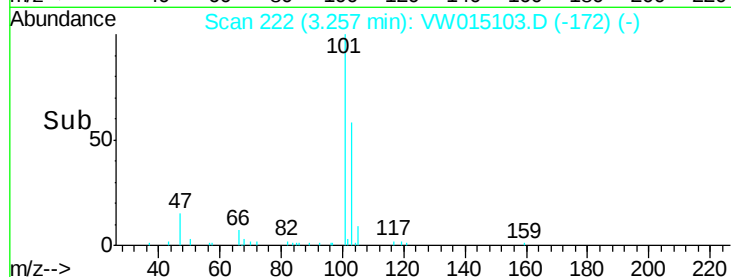
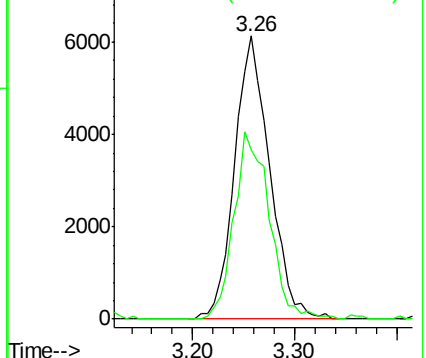
101 100

103 59.8 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.45 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW015103.D

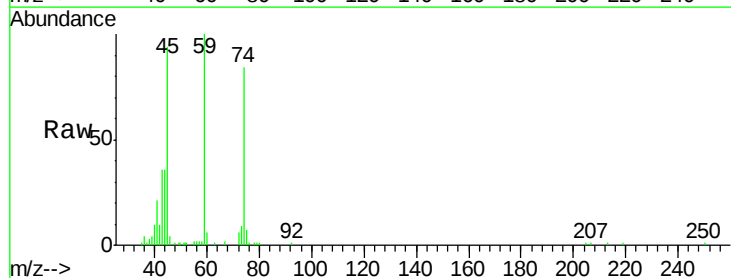
Acq: 09 Mar 2020 17:49

Tgt Ion: 74 Resp: 11201

Ion Ratio Lower Upper

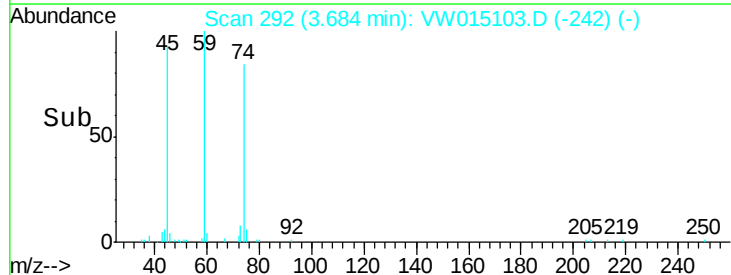
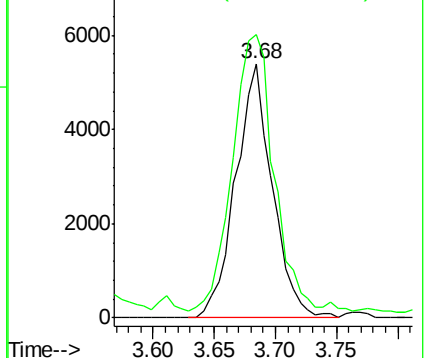
74 100

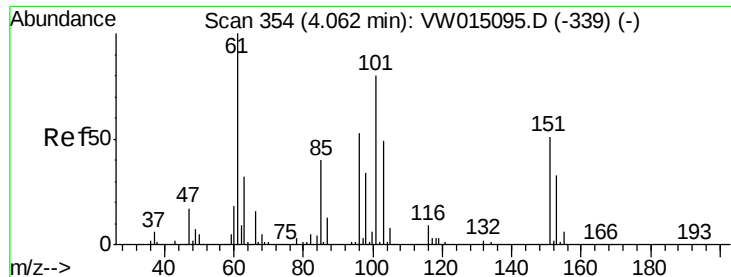
45 122.1 59.2 177.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.38 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

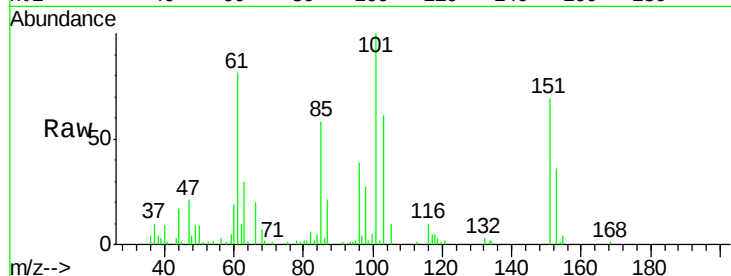
Tgt Ion:101 Resp: 22021

Ion Ratio Lower Upper

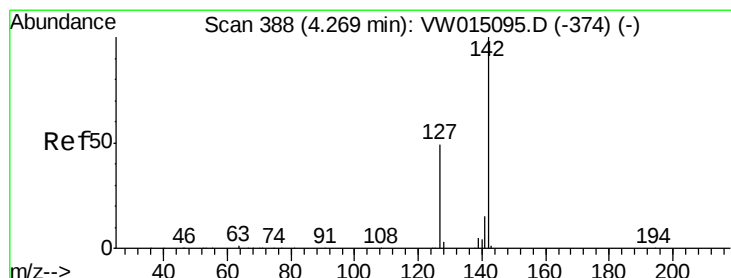
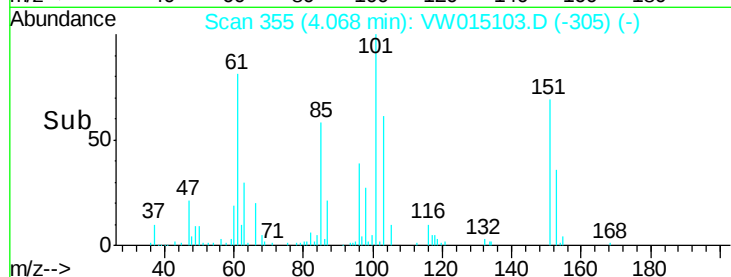
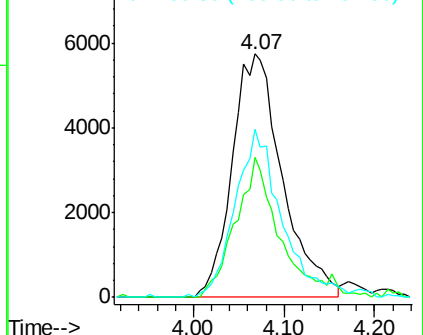
101 100

85 49.2 39.0 58.4

151 63.7 50.8 76.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.27 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

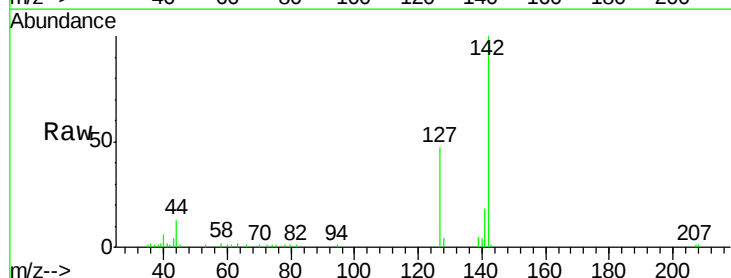
Tgt Ion:142 Resp: 23887

Ion Ratio Lower Upper

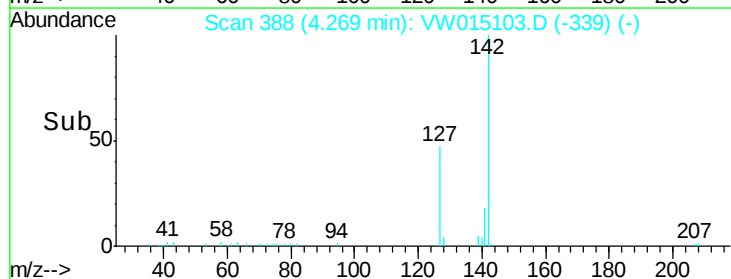
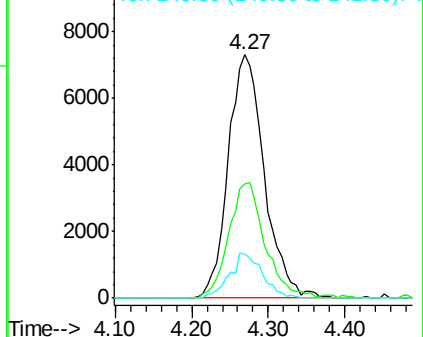
142 100

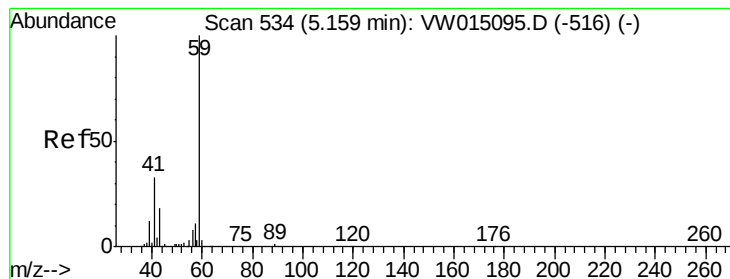
127 47.5 38.2 57.4

141 16.9 12.0 18.0



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: 43.65 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

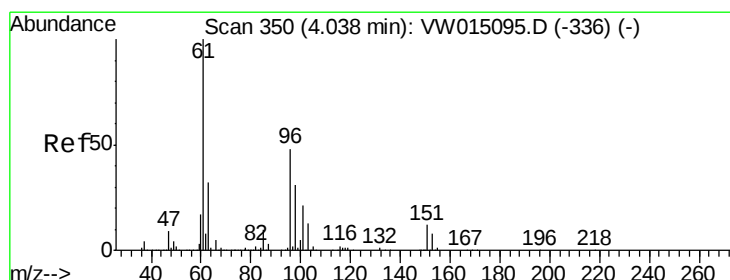
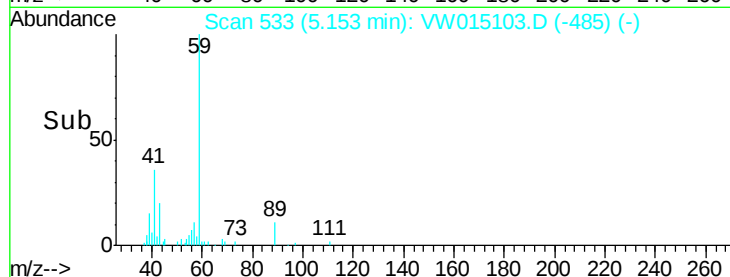
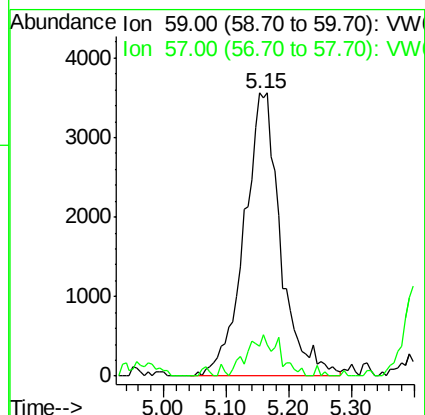
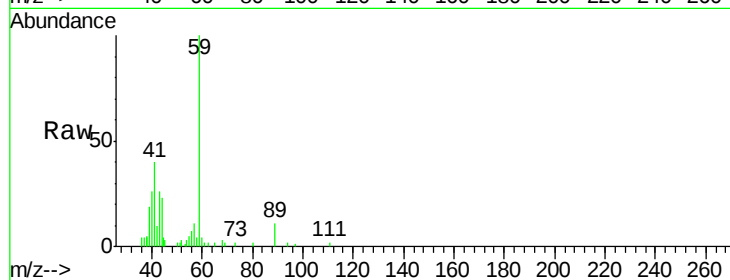
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 59 Resp: 14282

Ion Ratio Lower Upper

59 100

57 8.8 9.1 13.7#



#12

1,1-Dichloroethene

Concen: 4.18 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

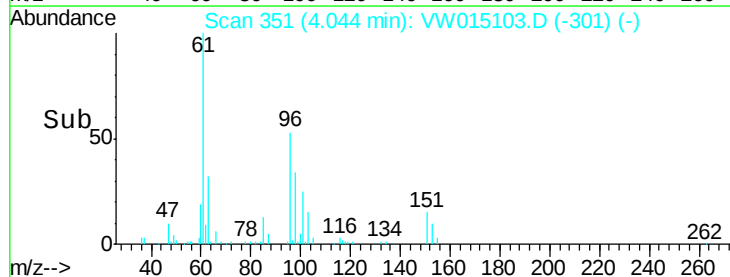
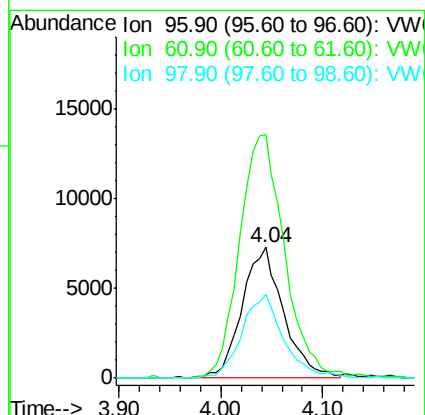
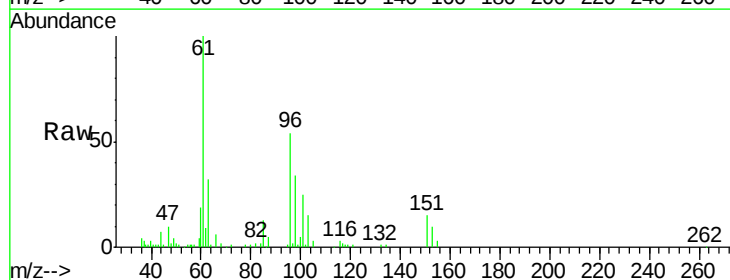
Tgt Ion: 96 Resp: 20563

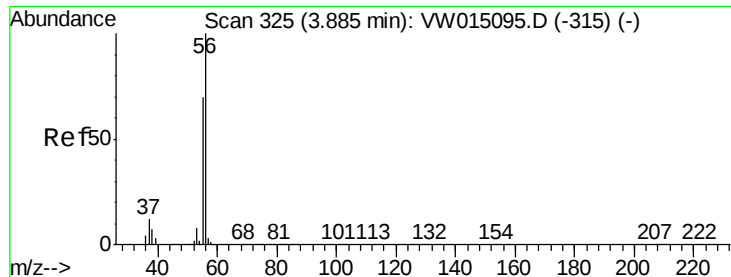
Ion Ratio Lower Upper

96 100

61 186.4 165.5 248.3

98 64.2 51.1 76.7





#13

Acrolein

Concen: 22.56 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

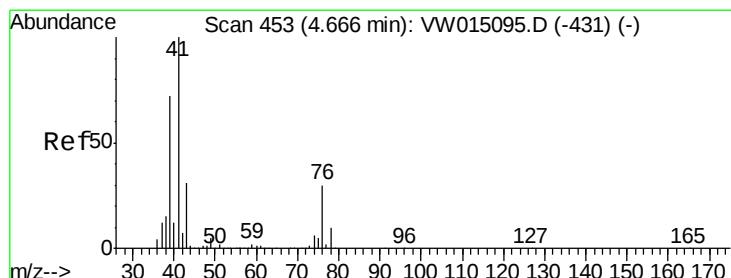
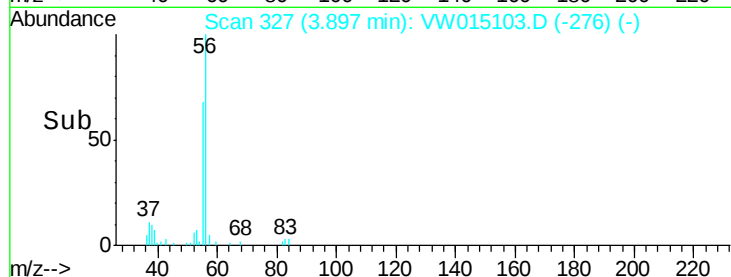
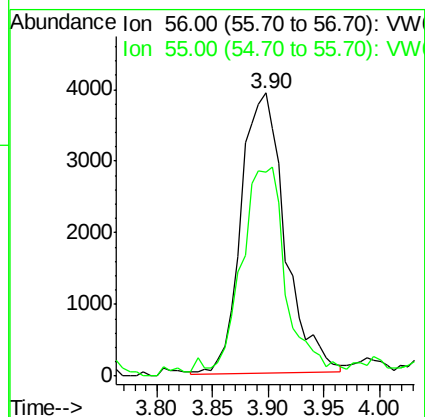
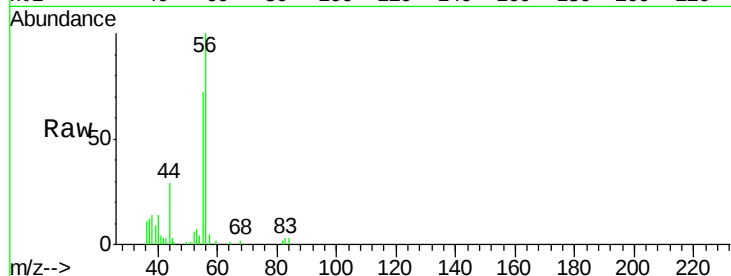
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 56 Resp: 10796

Ion Ratio Lower Upper

56 100

55 73.2 55.4 83.2



#14

Allyl chloride

Concen: 4.33 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

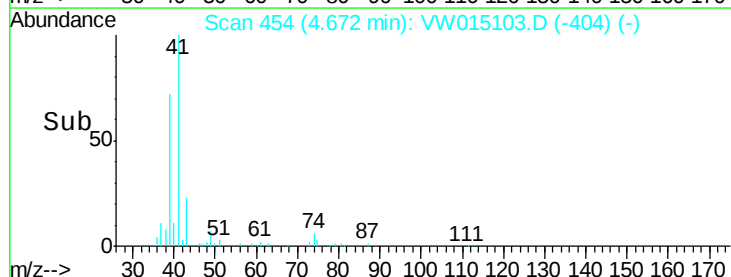
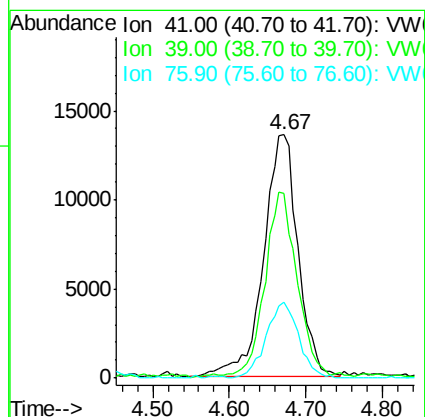
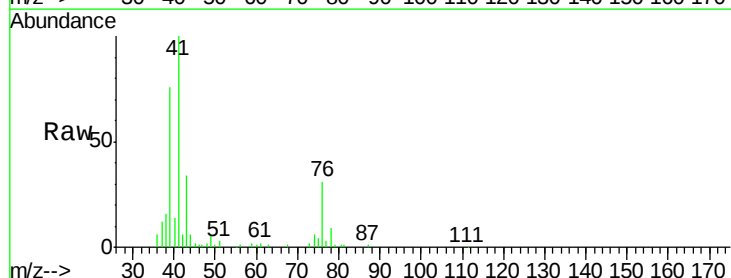
Tgt Ion: 41 Resp: 42725

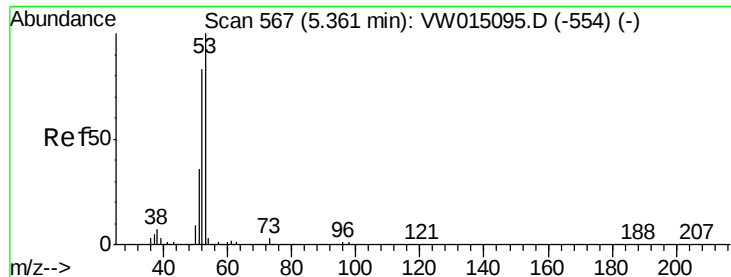
Ion Ratio Lower Upper

41 100

39 71.6 56.9 85.3

76 29.6 23.2 34.8





#15

Acrylonitrile

Concen: 22.01 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

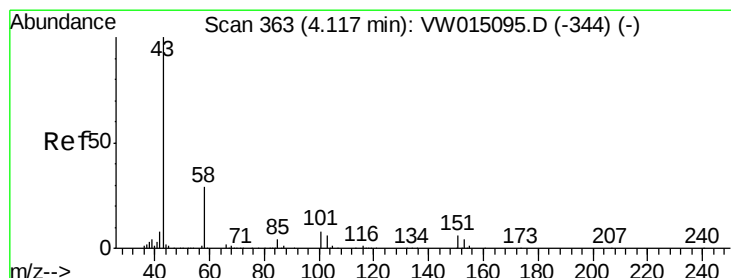
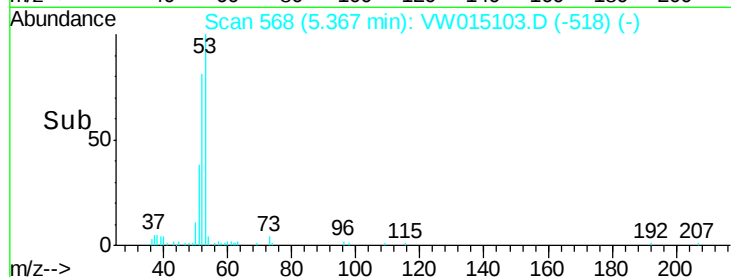
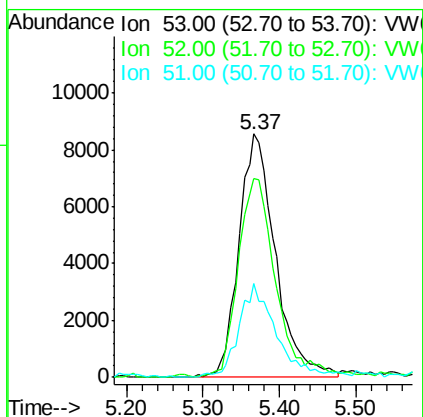
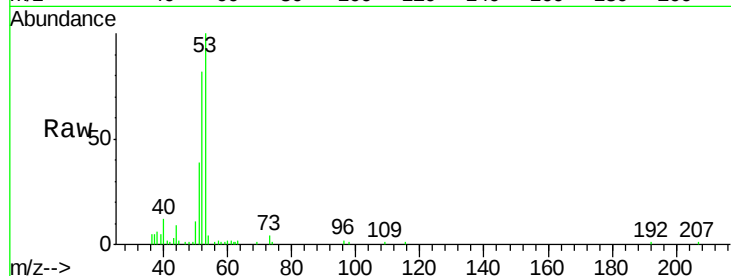
Tgt Ion: 53 Resp: 28374

Ion Ratio Lower Upper

53 100

52 84.8 67.2 100.8

51 36.2 29.8 44.6



#16

Acetone

Concen: 25.54 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015103.D

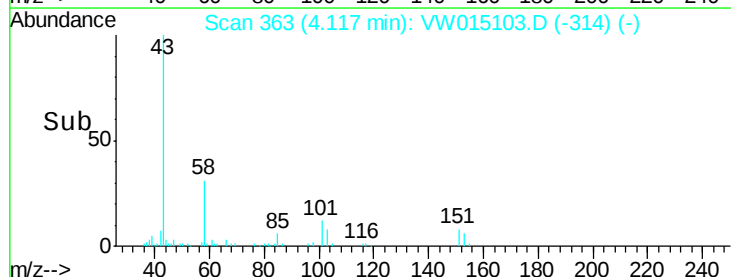
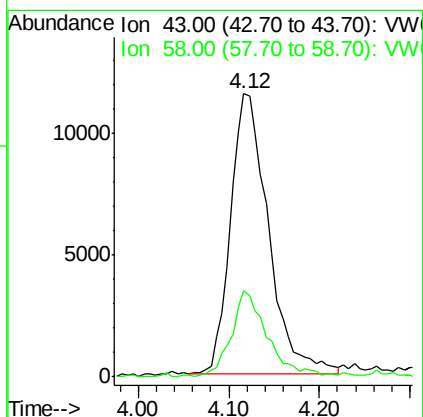
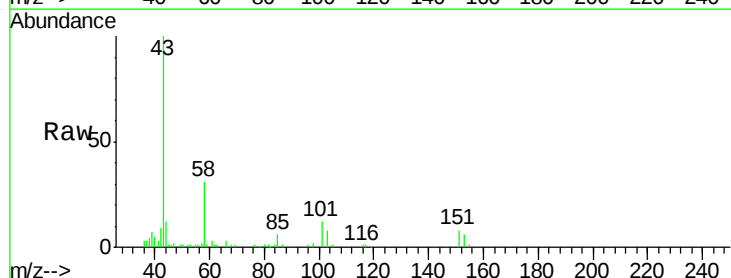
Acq: 09 Mar 2020 17:49

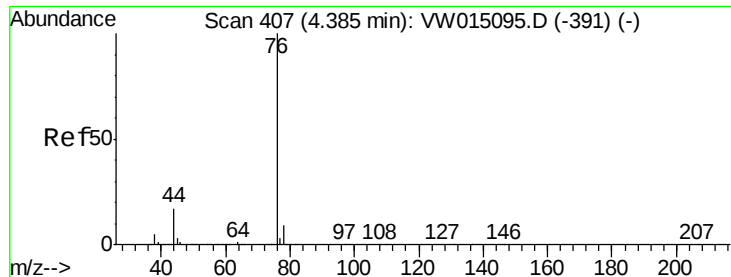
Tgt Ion: 43 Resp: 33163

Ion Ratio Lower Upper

43 100

58 30.4 22.9 34.3

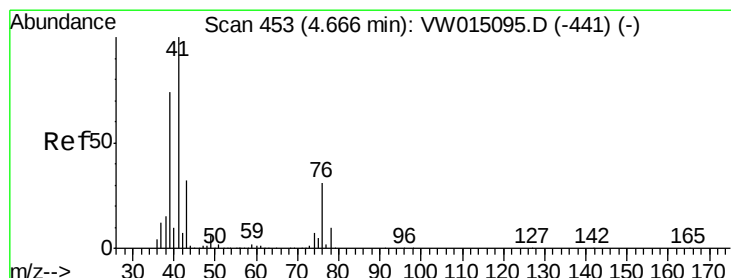
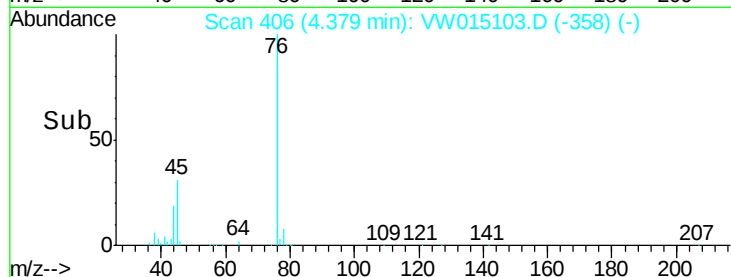
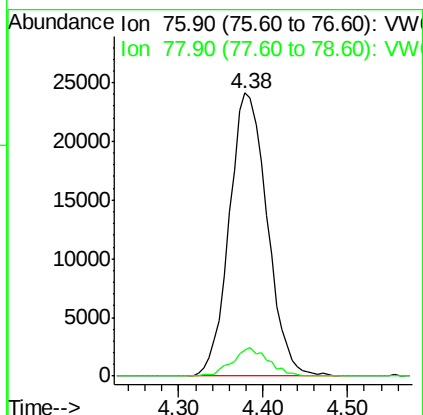
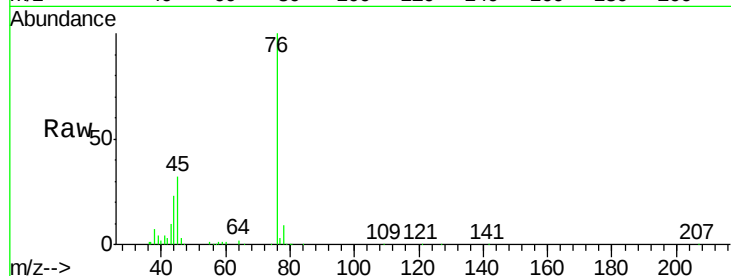




#17
Carbon Disulfide
Concen: 4.22 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

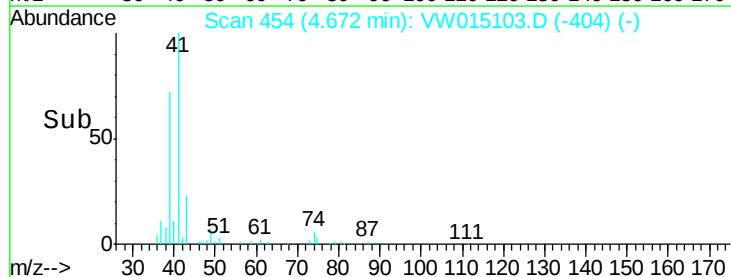
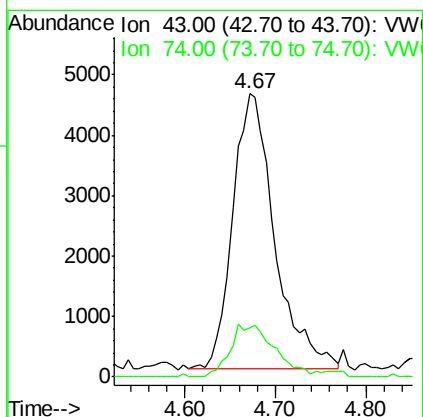
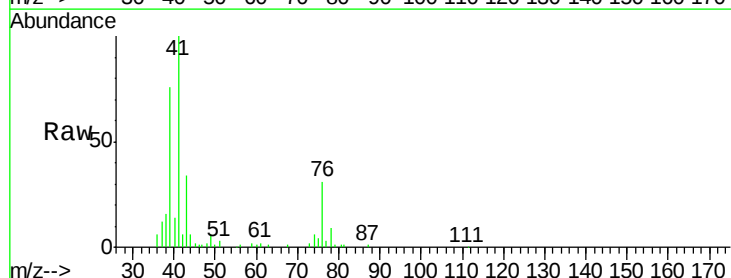
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

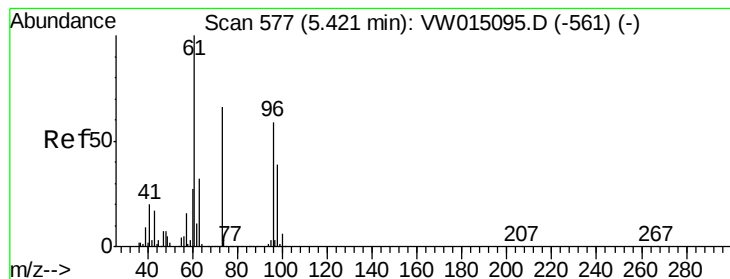
Tgt Ion: 76 Resp: 73531
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 4.73 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 43 Resp: 14543
Ion Ratio Lower Upper
43 100
74 20.4 15.8 23.6





#19

Methyl tert-butyl Ether

Concen: 4.49 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

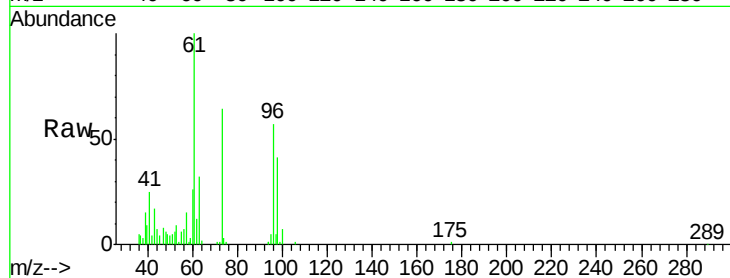
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 73 Resp: 28299

Ion Ratio Lower Upper

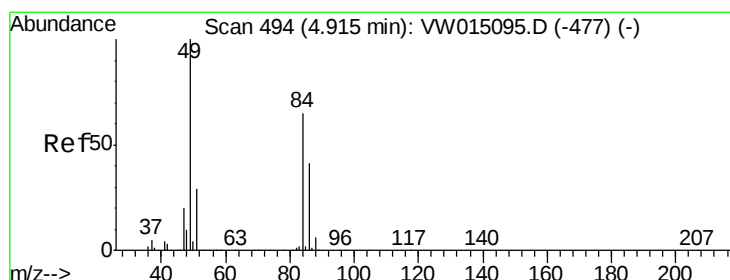
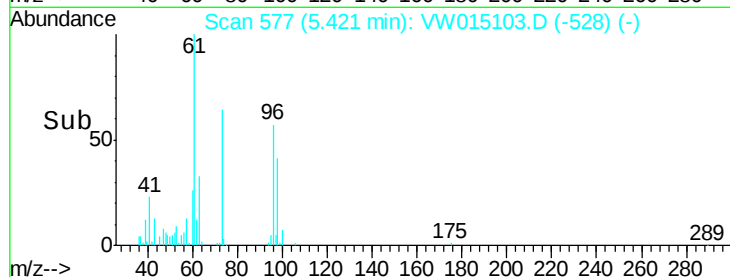
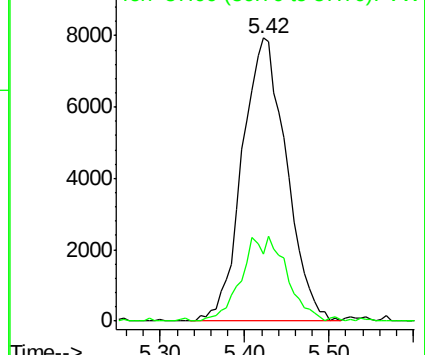
73 100

57 23.8 19.3 28.9



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 7.18 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion: 84 Resp: 43150

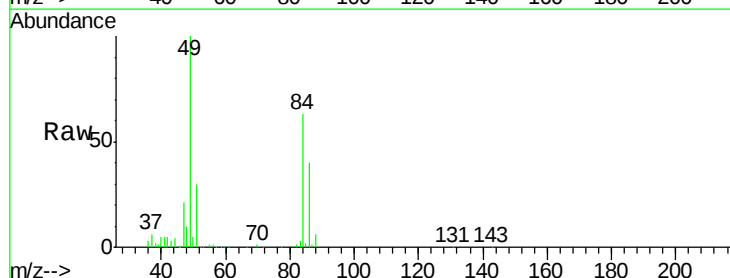
Ion Ratio Lower Upper

84 100

49 158.6 122.8 184.2

51 46.8 35.9 53.9

86 63.2 50.0 75.0

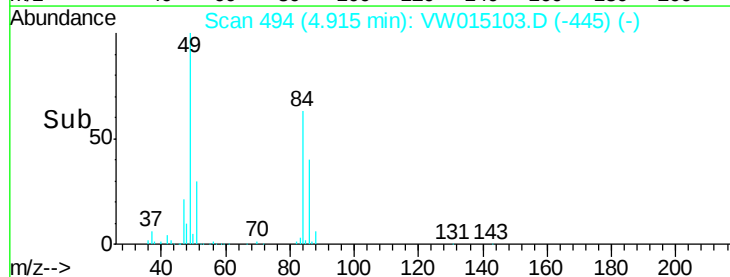
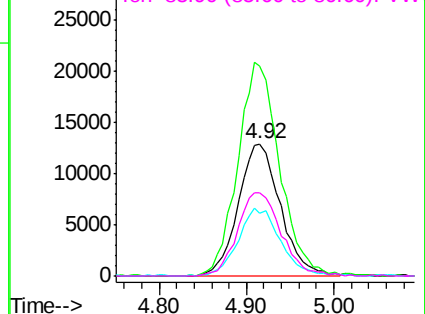


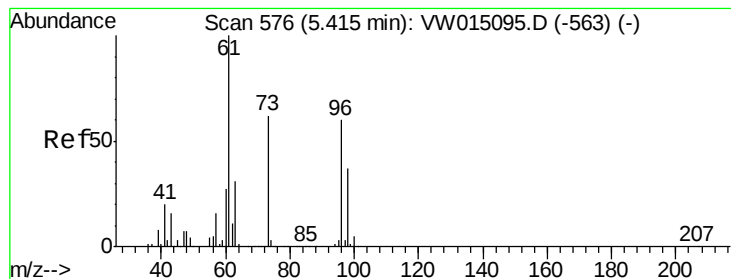
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 4.34 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

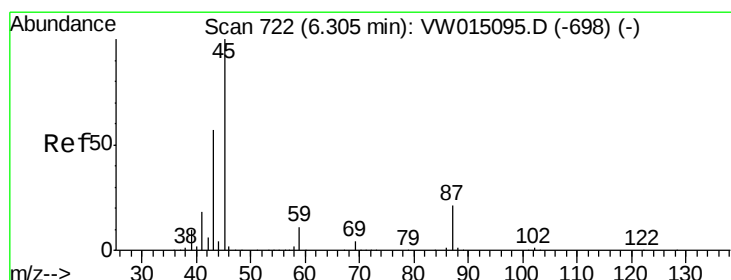
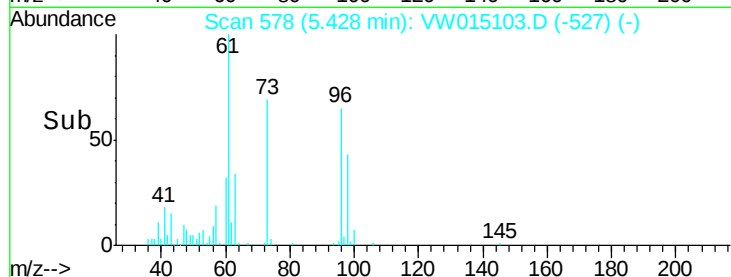
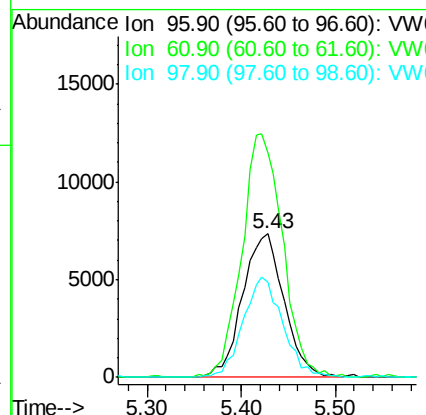
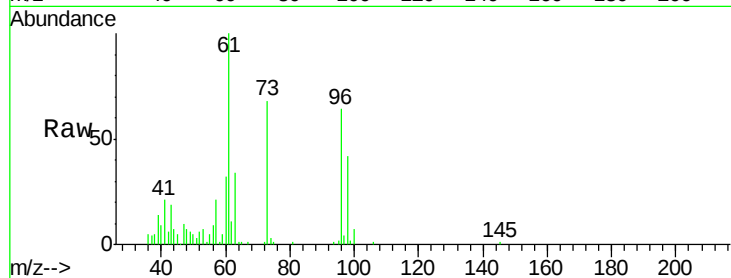
Tgt Ion: 96 Resp: 22650

Ion Ratio Lower Upper

96 100

61 156.1 132.5 198.7

98 66.1 48.9 73.3



#22

Diisopropyl ether

Concen: 4.05 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion: 45 Resp: 76519

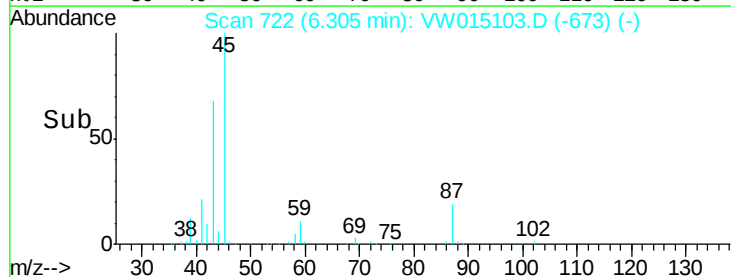
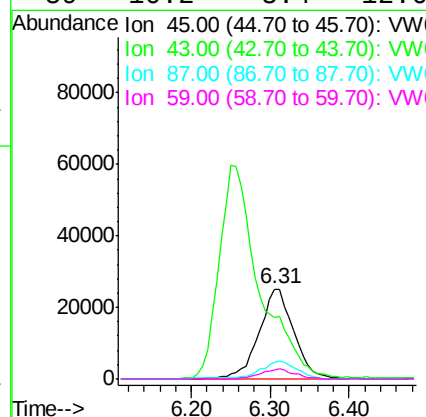
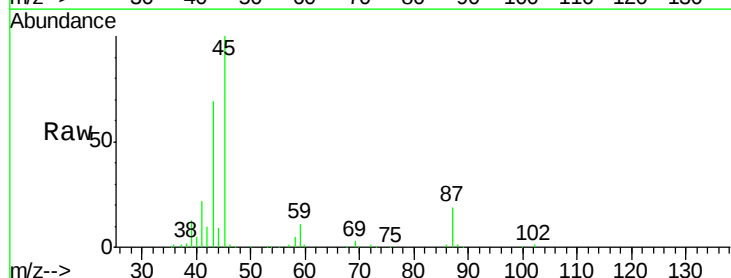
Ion Ratio Lower Upper

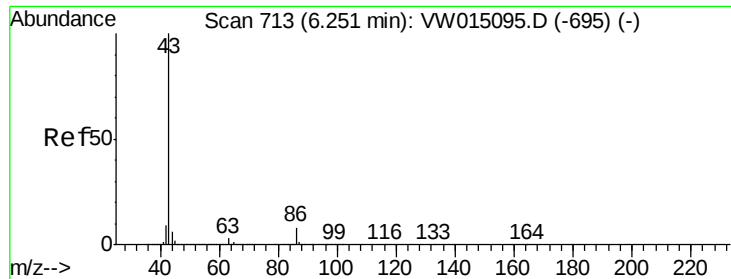
45 100

43 67.1 45.4 68.0

87 19.0 16.4 24.6

59 10.2 8.4 12.6

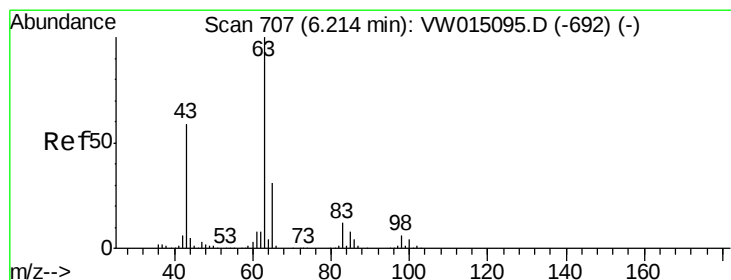
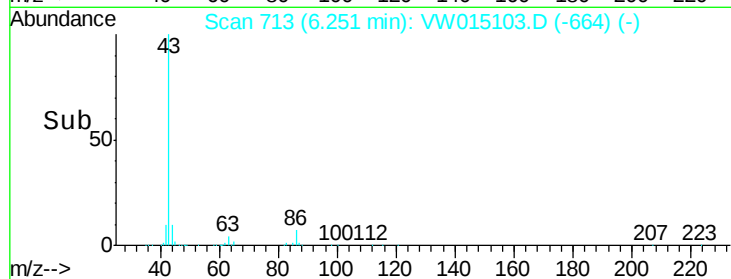
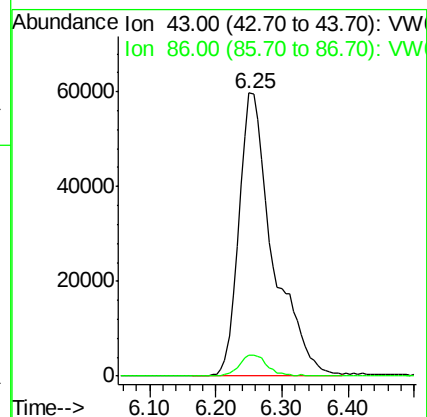
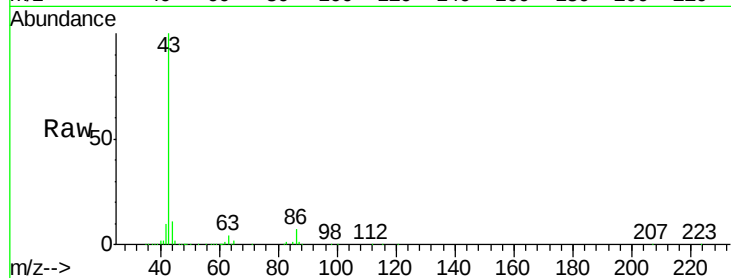




#23
 Vinyl Acetate
 Concen: 19.14 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

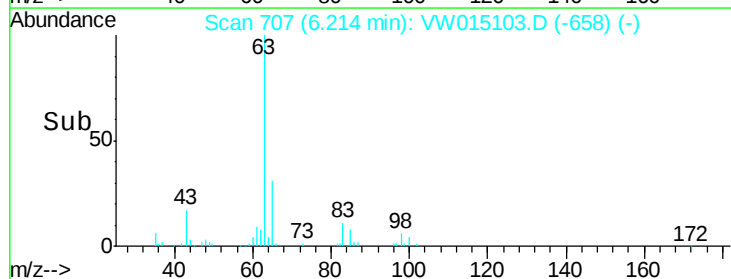
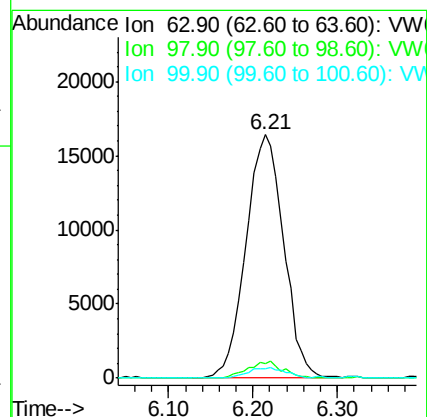
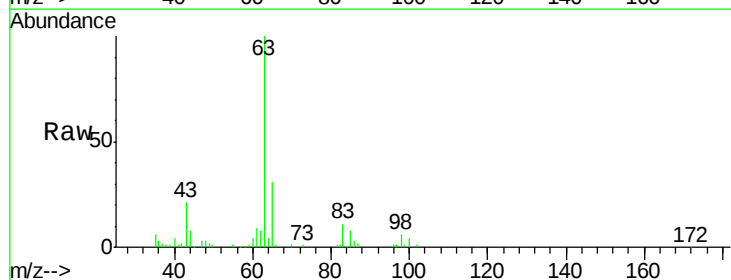
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

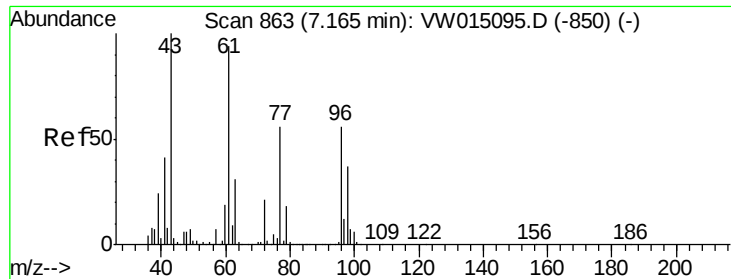
Tgt Ion: 43 Resp: 213722
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 4.53 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion: 63 Resp: 49964
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 23.89 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

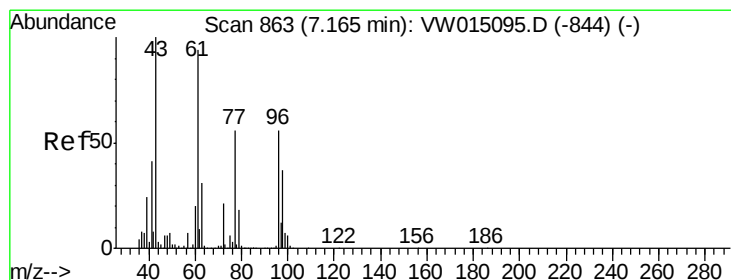
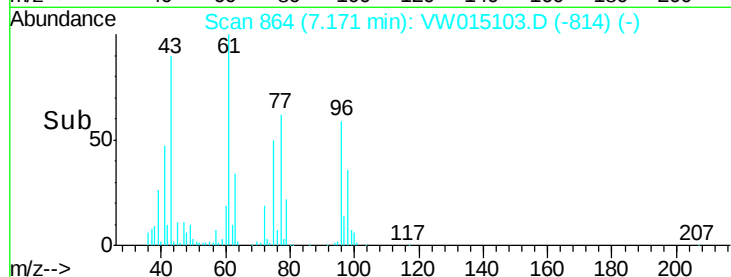
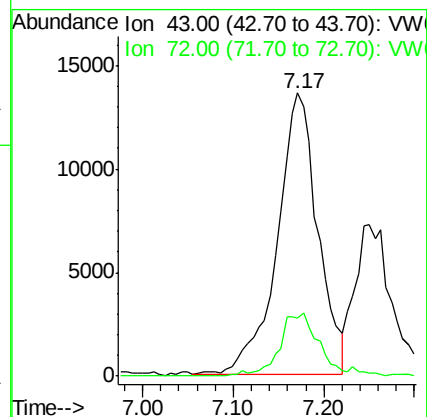
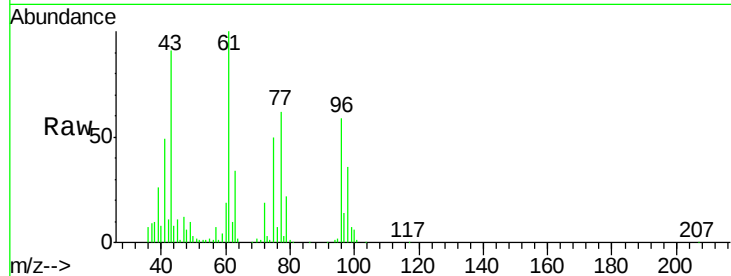
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 43 Resp: 42520

Ion Ratio Lower Upper

43 100

72 20.5 17.0 25.6



#26

2,2-Dichloropropane

Concen: 5.48 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW015103.D

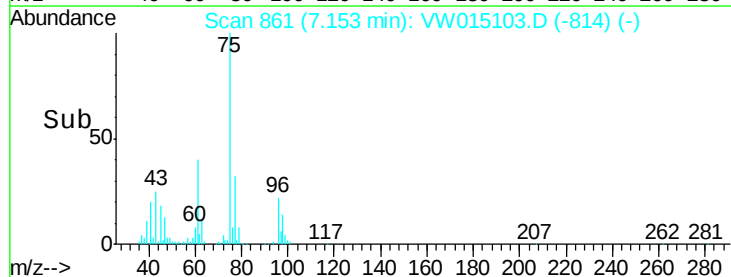
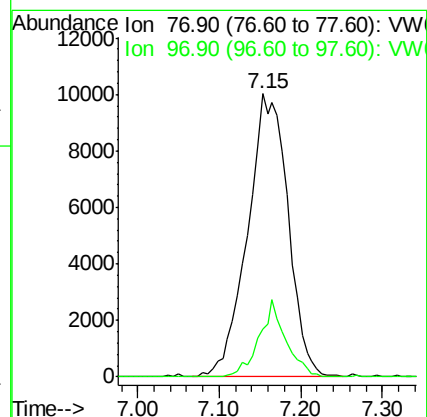
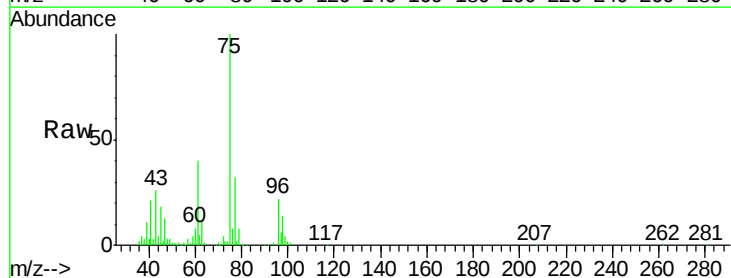
Acq: 09 Mar 2020 17:49

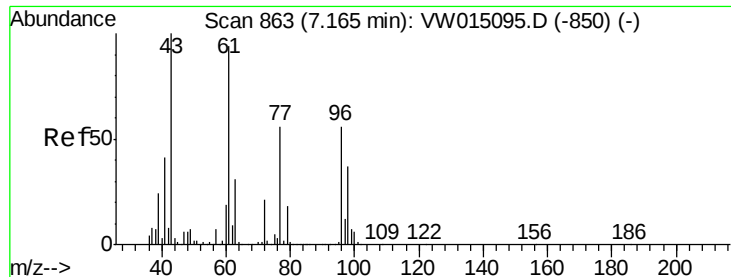
Tgt Ion: 77 Resp: 34582

Ion Ratio Lower Upper

77 100

97 18.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 4.35 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

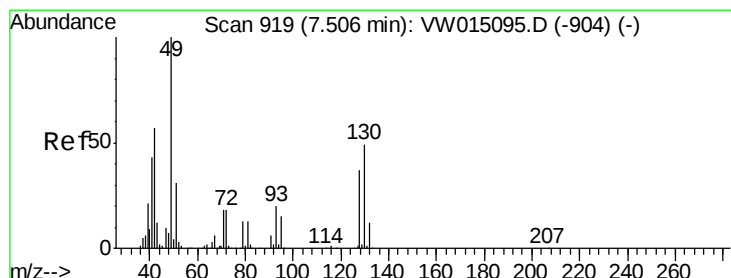
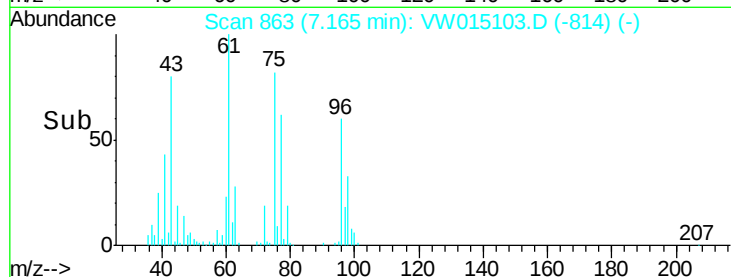
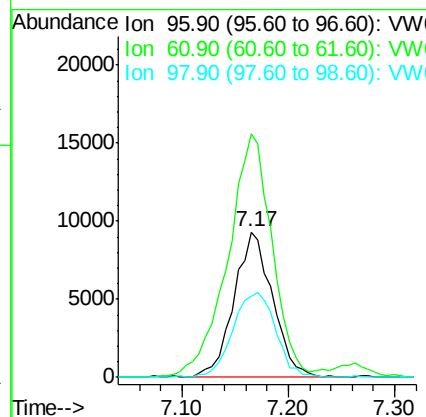
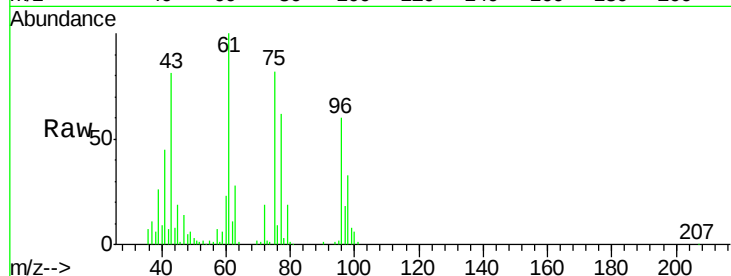
Tgt Ion: 96 Resp: 23641

Ion Ratio Lower Upper

96 100

61 191.4 0.0 343.4

98 64.4 0.0 127.6



#28

Bromochloromethane

Concen: 4.27 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

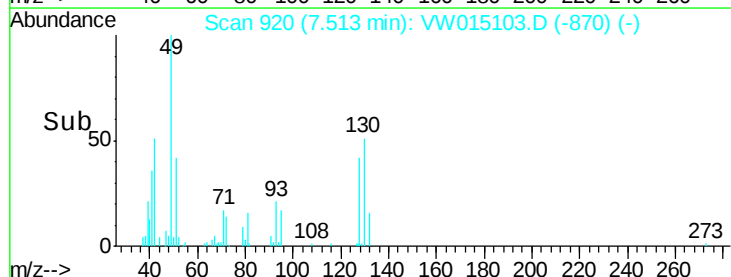
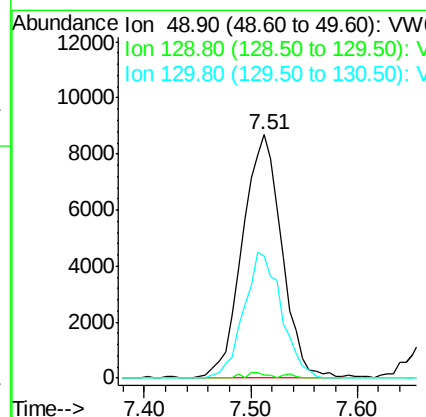
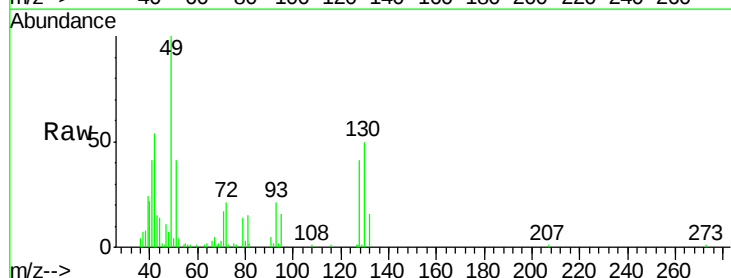
Tgt Ion: 49 Resp: 22553

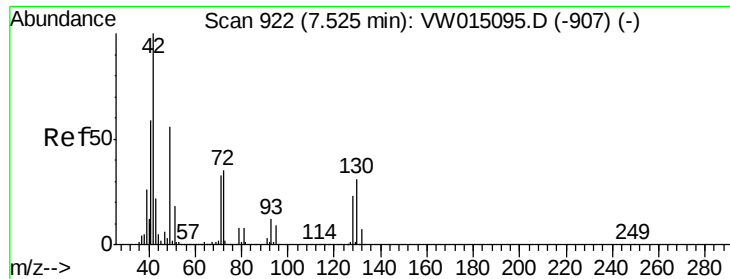
Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.0

130 49.2 39.8 59.6

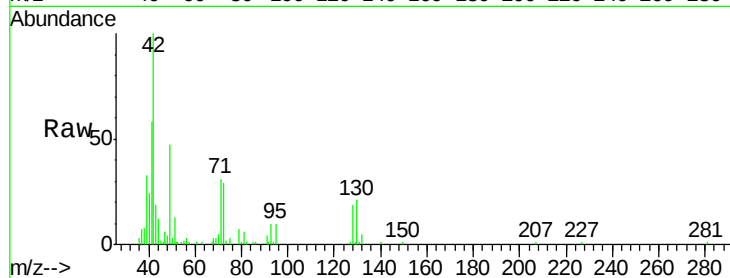




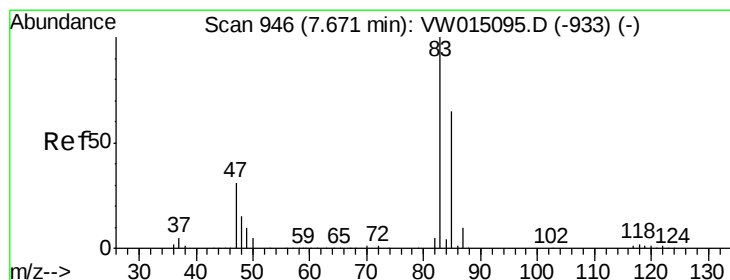
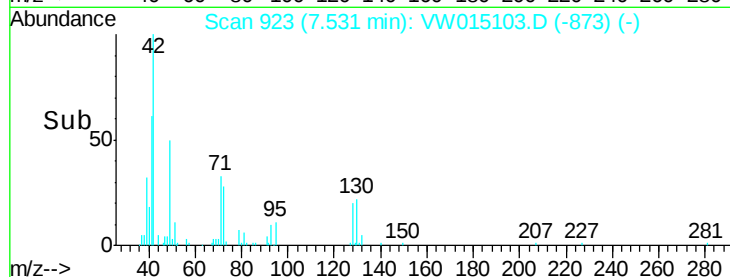
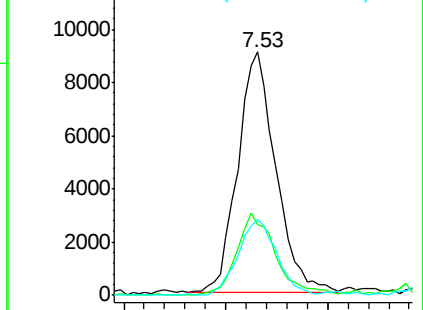
#29
Tetrahydrofuran
Concen: 21.00 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 42 Resp: 23385
Ion Ratio Lower Upper
42 100
72 35.0 27.8 41.6
71 32.2 26.4 39.6

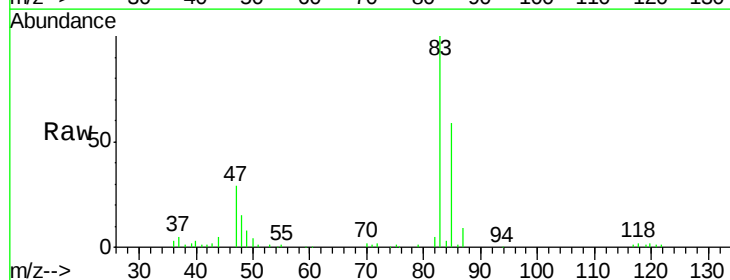


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

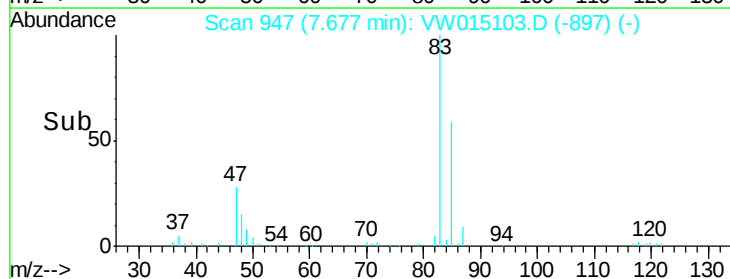
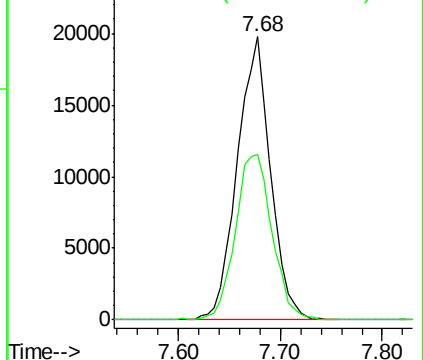


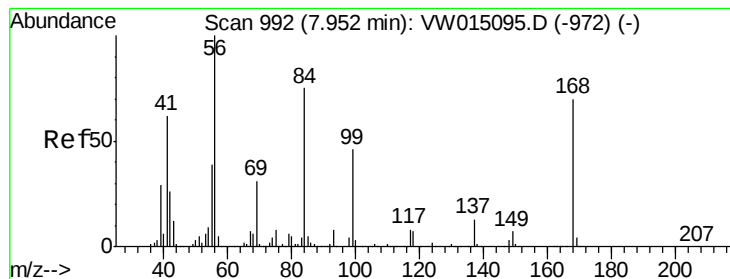
#30
Chloroform
Concen: 4.55 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 83 Resp: 44538
Ion Ratio Lower Upper
83 100
85 58.6 51.9 77.9



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





#31

Cyclohexane

Concen: 5.01 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

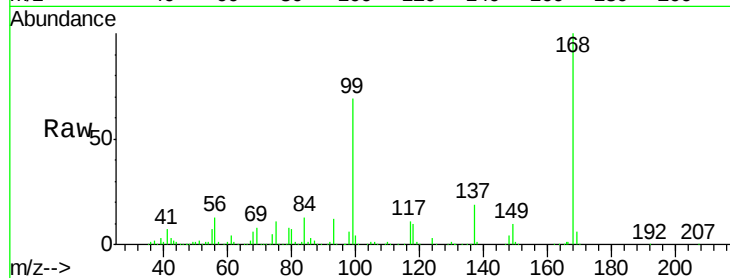
Tgt Ion: 56 Resp: 56822

Ion Ratio Lower Upper

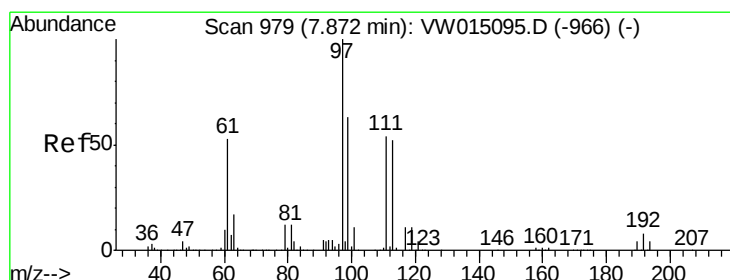
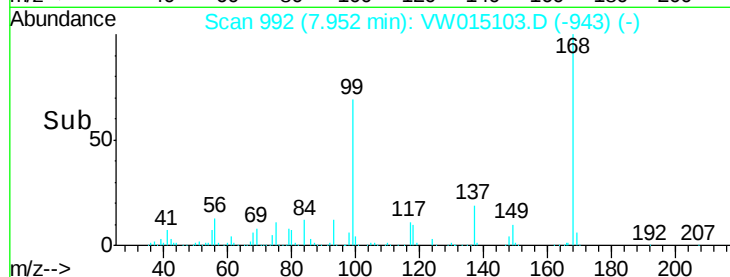
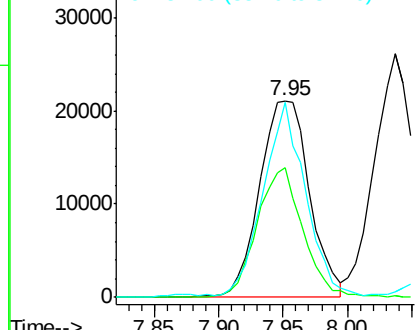
56 100

69 65.9 24.6 37.0#

84 97.7 59.9 89.9#



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



#32

1,1,1-Trichloroethane

Concen: 4.41 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

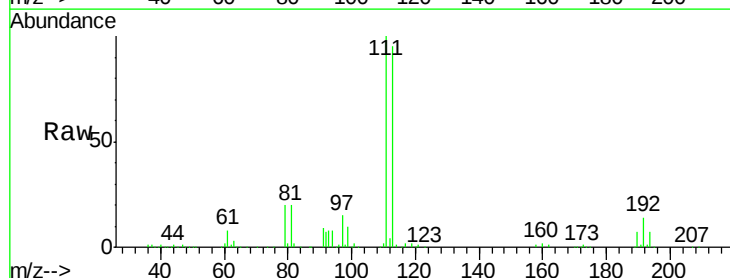
Tgt Ion: 97 Resp: 33674

Ion Ratio Lower Upper

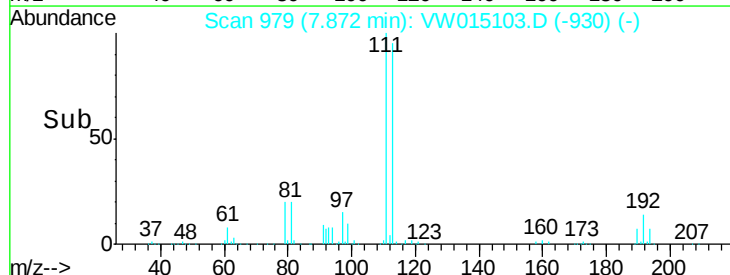
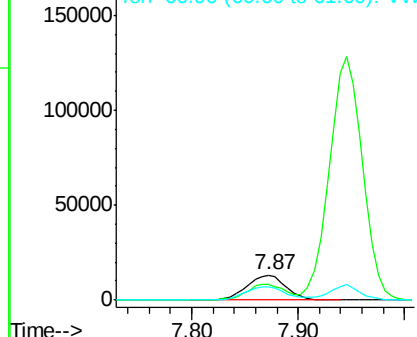
97 100

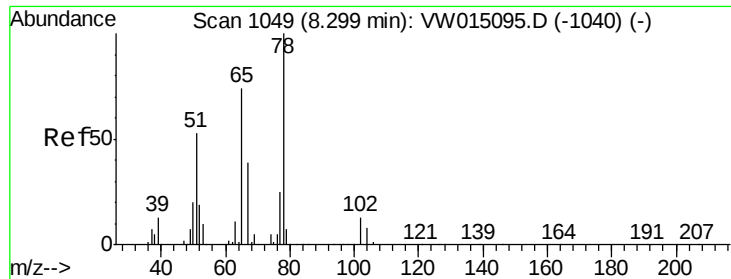
99 65.8 51.3 76.9

61 55.0 44.0 66.0



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

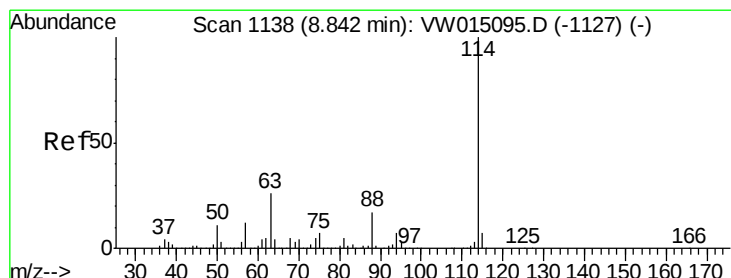
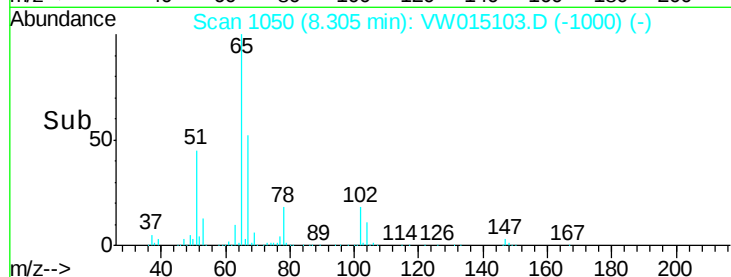
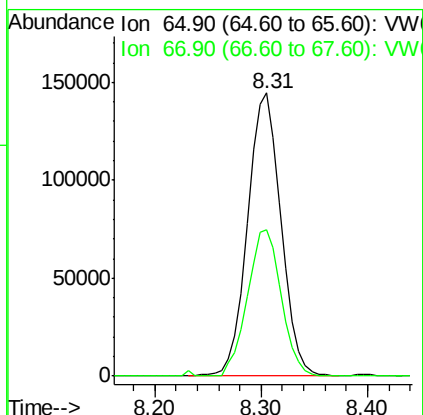
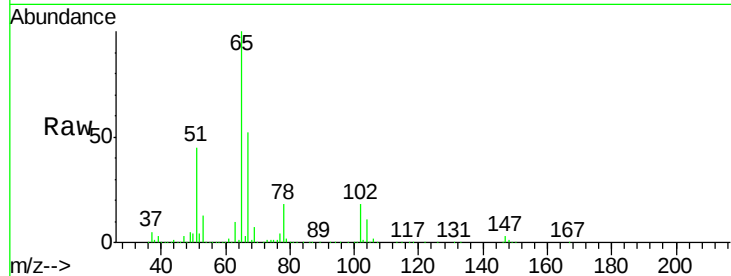




#33
 1,2-Dichloroethane-d4
 Concen: 55.99 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

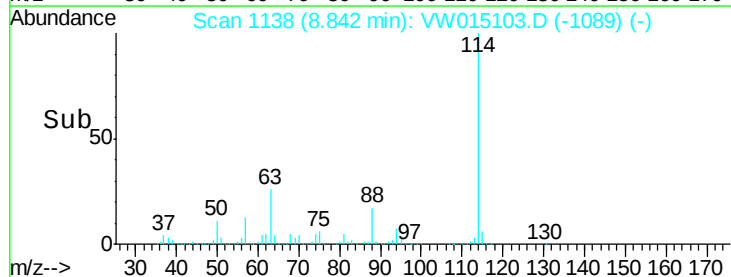
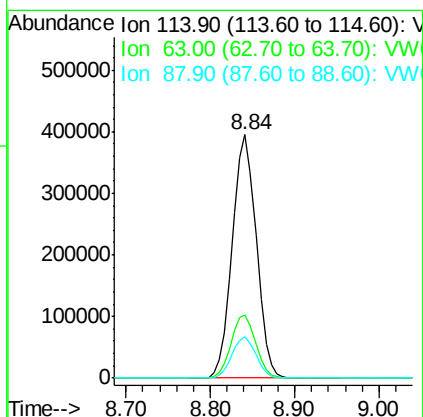
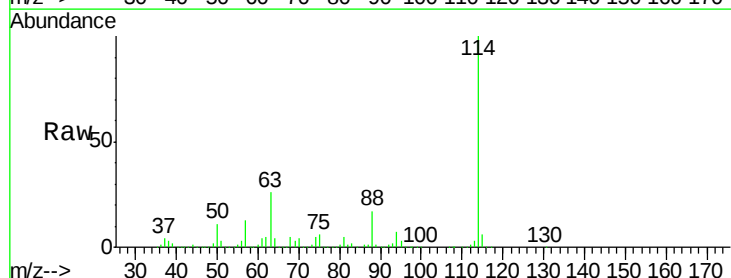
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

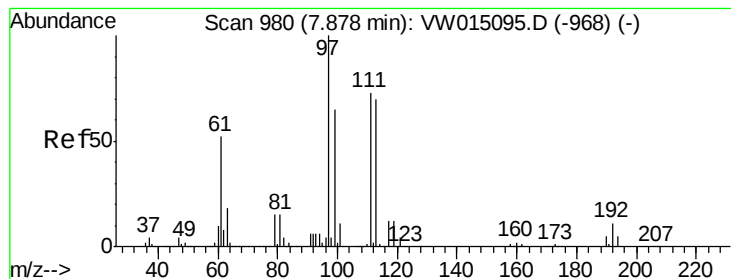
Tgt Ion: 65 Resp: 318776
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion: 114 Resp: 762130
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 52.0
 88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

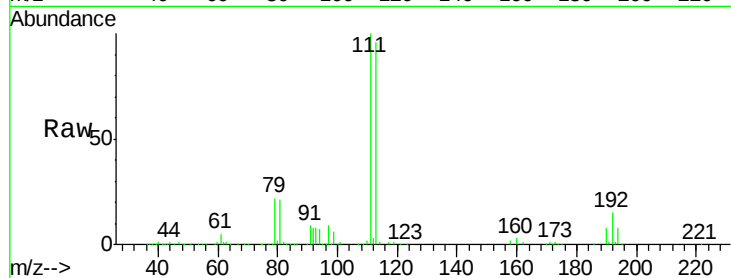
Tgt Ion:113 Resp: 230215

Ion Ratio Lower Upper

113 100

111 104.3 83.6 125.4

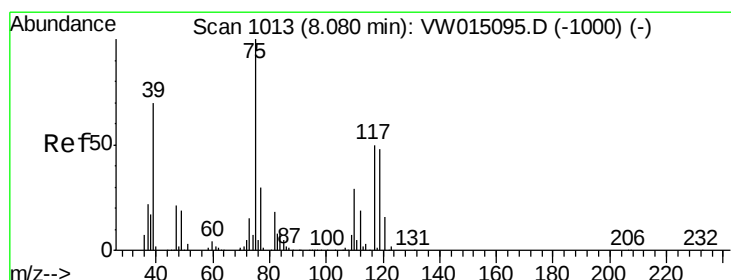
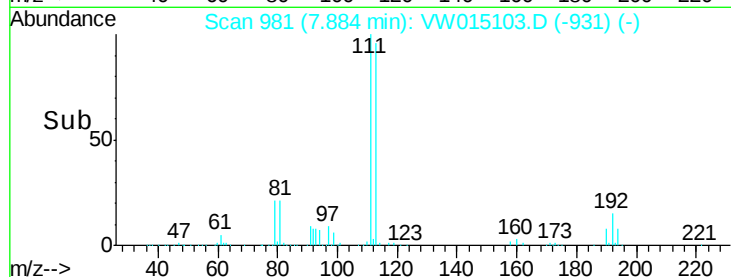
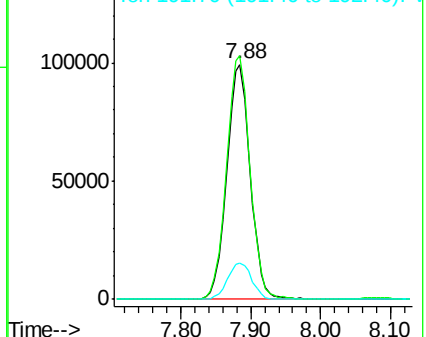
192 16.0 12.4 18.6



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: 4.06 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

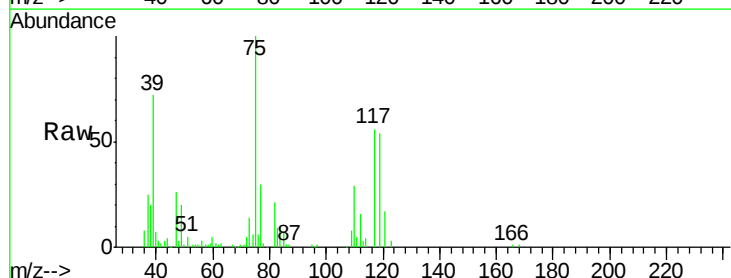
Tgt Ion: 75 Resp: 35872

Ion Ratio Lower Upper

75 100

110 29.9 14.7 44.1

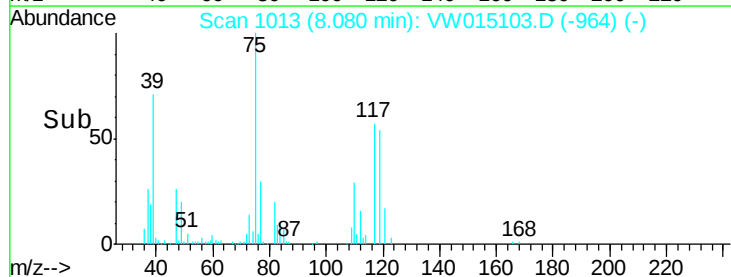
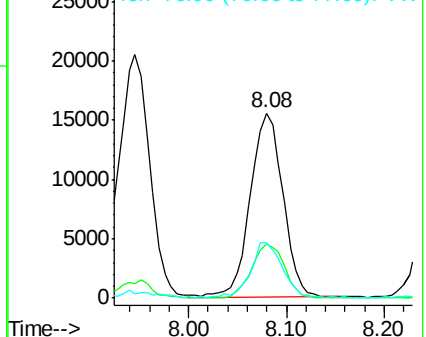
77 30.1 24.2 36.4

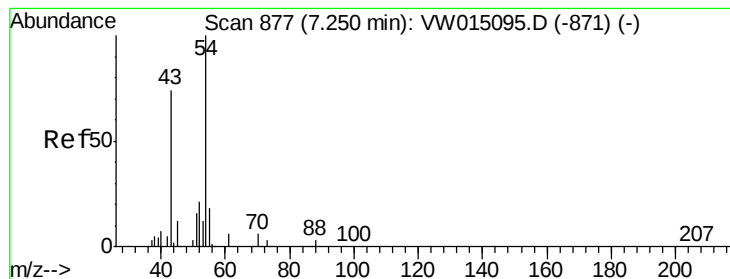


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 4.63 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

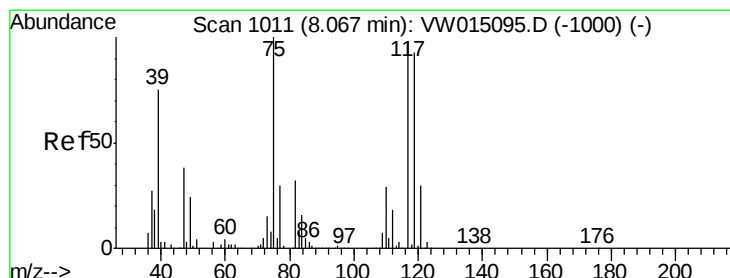
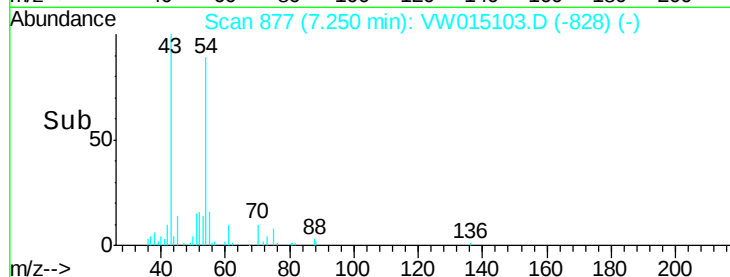
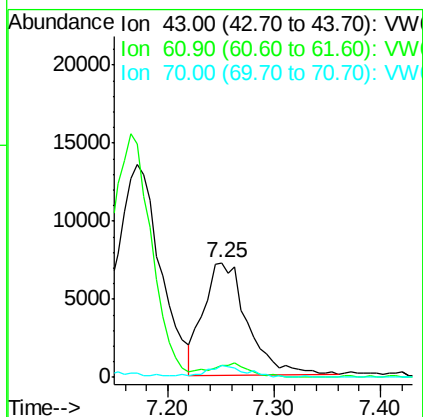
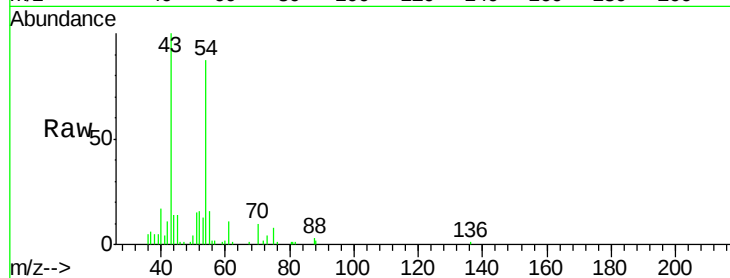
Tgt Ion: 43 Resp: 20376

Ion Ratio Lower Upper

43 100

61 11.2 9.6 14.4

70 9.6 6.5 9.7



#38

Carbon Tetrachloride

Concen: 4.18 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

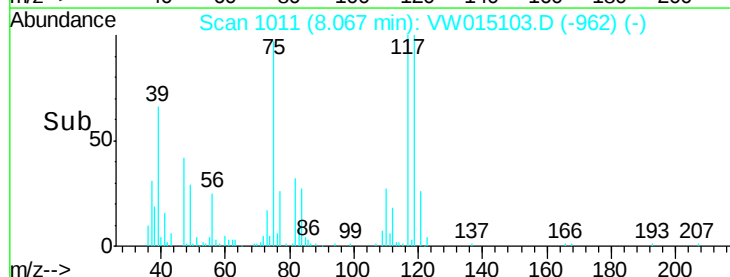
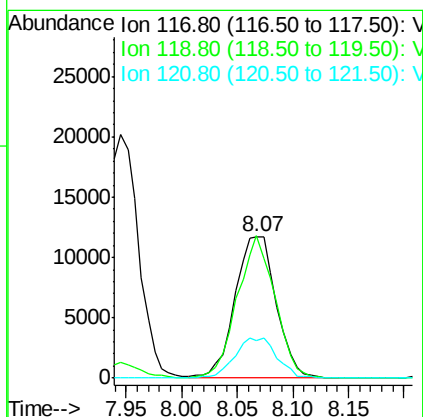
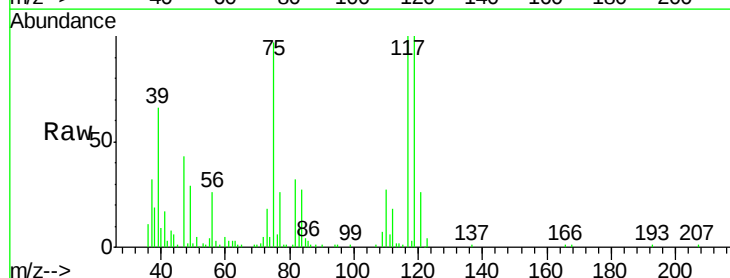
Tgt Ion: 117 Resp: 30053

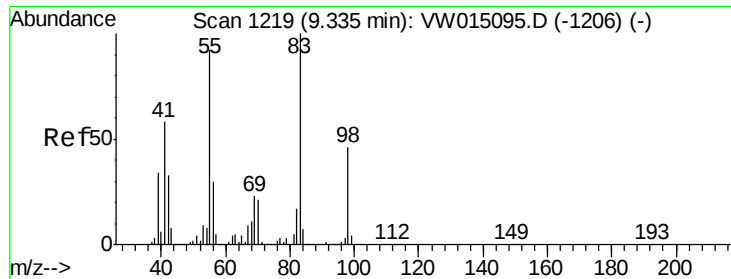
Ion Ratio Lower Upper

117 100

119 100.4 75.8 113.8

121 26.2 24.5 36.7

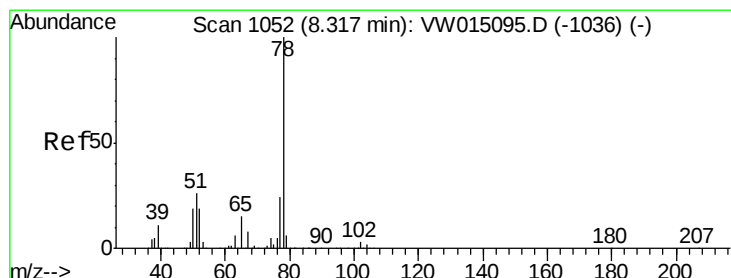
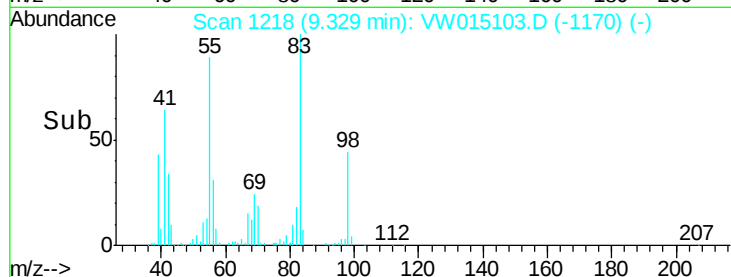
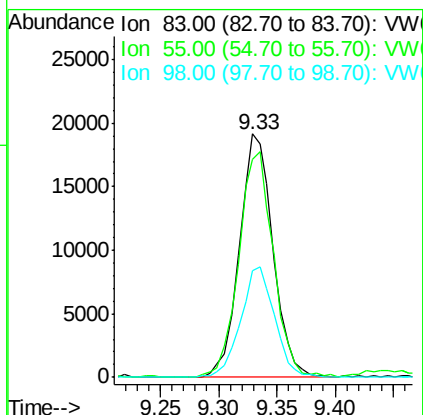
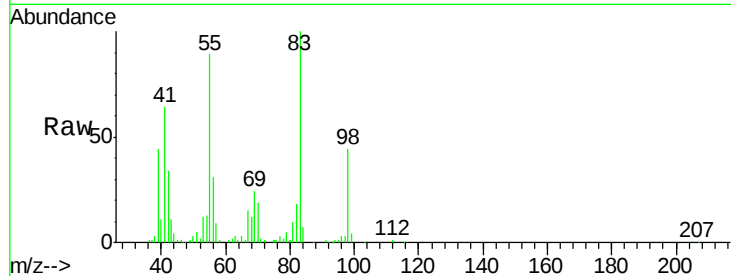




#39
Methylcyclohexane
Concen: 3.81 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

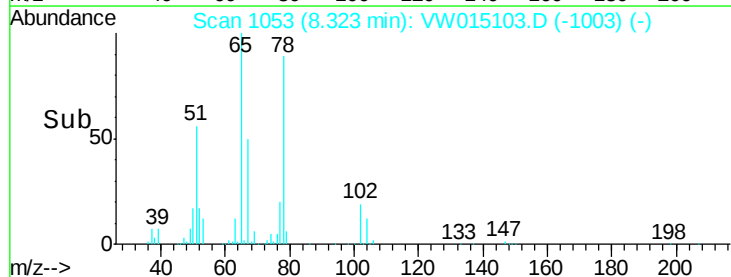
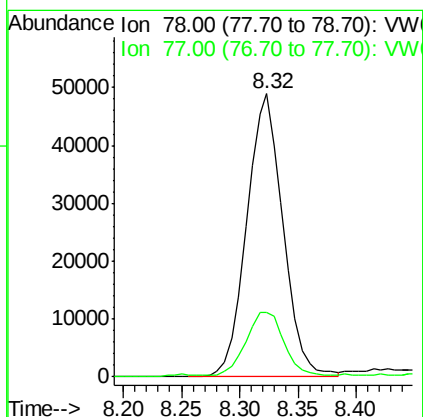
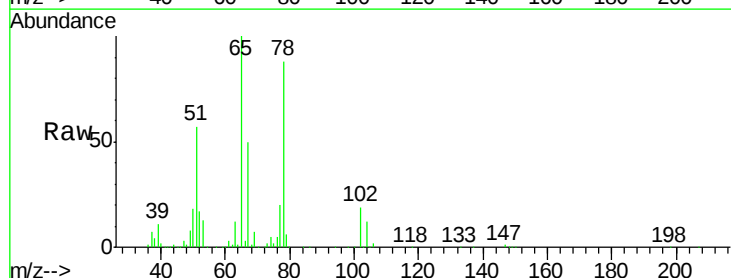
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

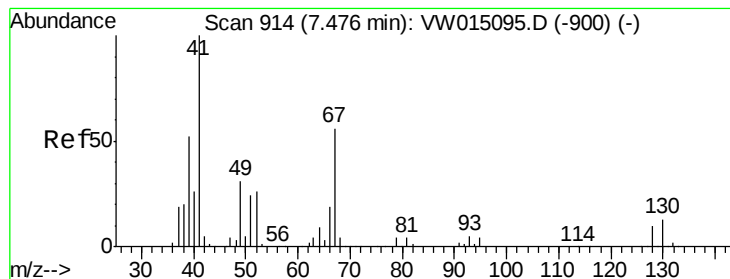
Tgt Ion: 83 Resp: 38530
Ion Ratio Lower Upper
83 100
55 89.4 73.5 110.3
98 43.9 37.2 55.8



#40
Benzene
Concen: 4.33 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 78 Resp: 106317
Ion Ratio Lower Upper
78 100
77 22.2 19.5 29.3





#41

Methacrylonitrile

Concen: 3.31 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 41 Resp: 7721

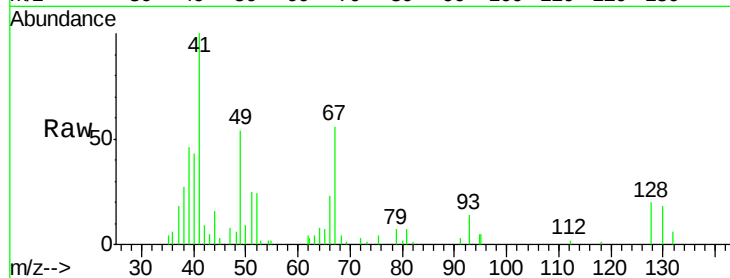
Ion Ratio Lower Upper

41 100

39 69.8 49.0 73.4

67 77.9 50.4 75.6#

52 41.8 24.2 36.4#

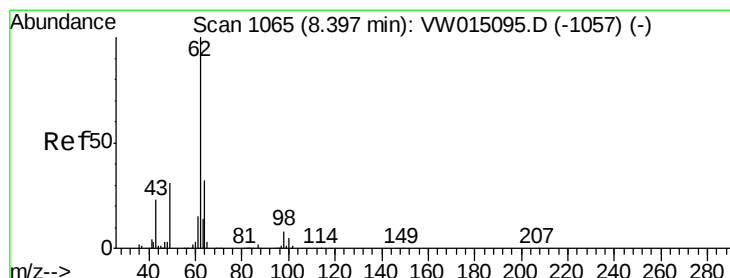
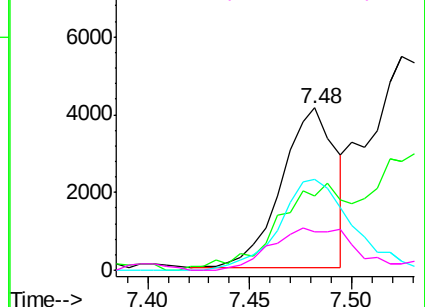
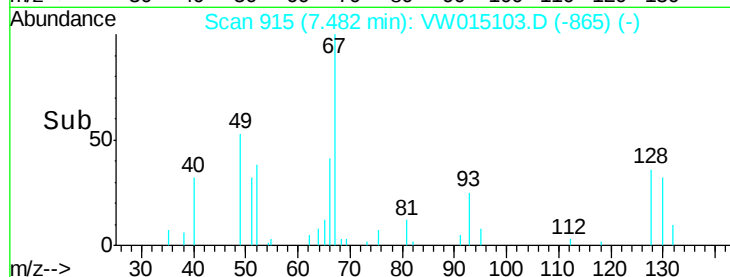


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 4.41 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015103.D

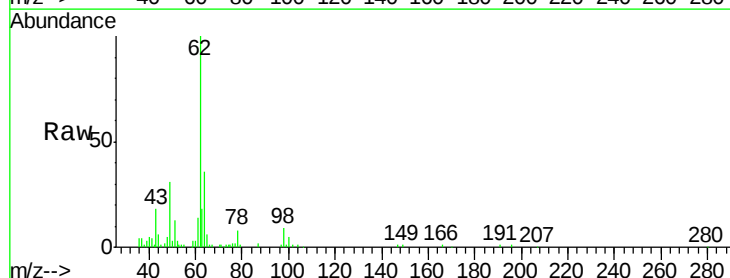
Acq: 09 Mar 2020 17:49

Tgt Ion: 62 Resp: 33033

Ion Ratio Lower Upper

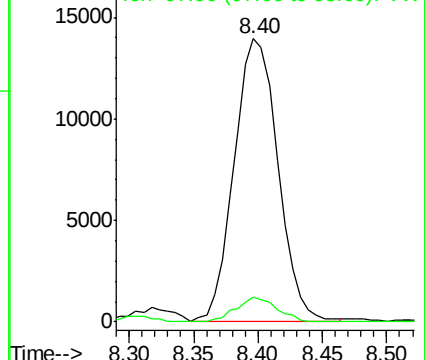
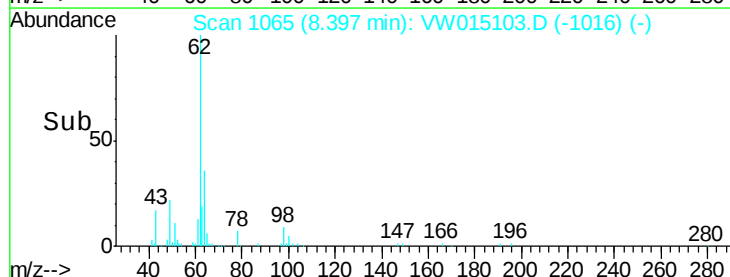
62 100

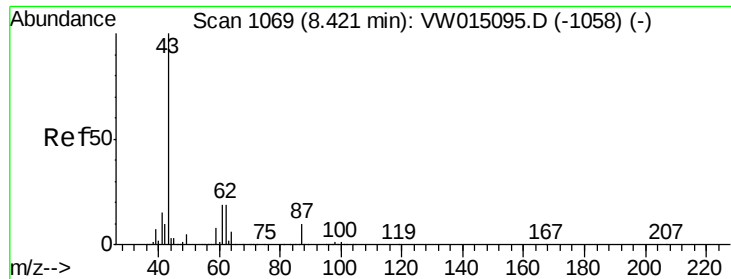
98 8.0 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.21 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

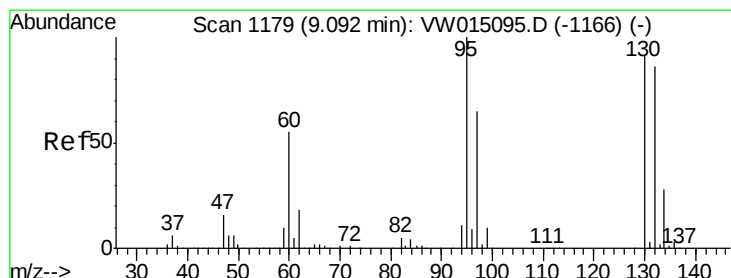
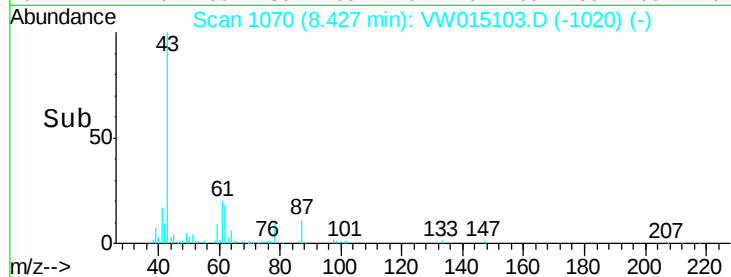
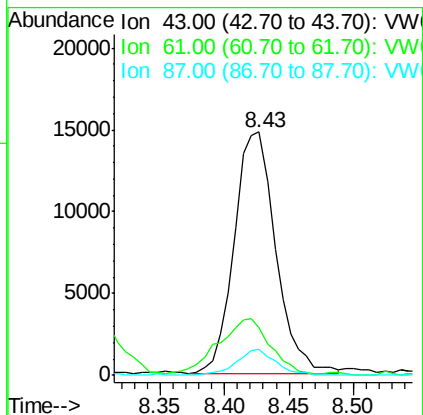
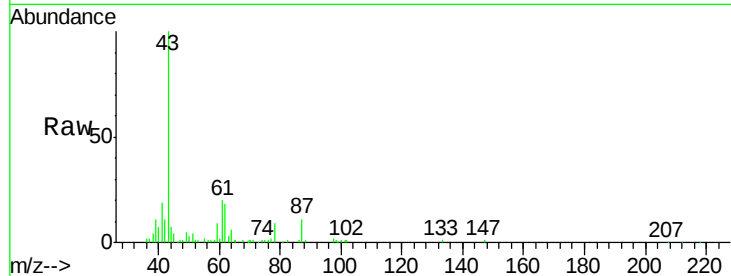
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:	43	Resp:	33213
Ion	Ratio	Lower	Upper
43	100		
61	29.8	21.8	32.8
87	9.9	8.0	12.0



#44

Trichloroethene

Concen: 4.08 ug/l

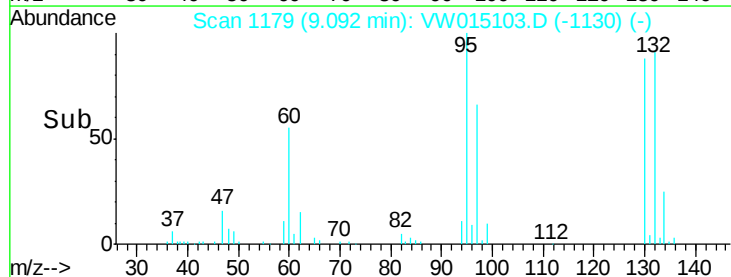
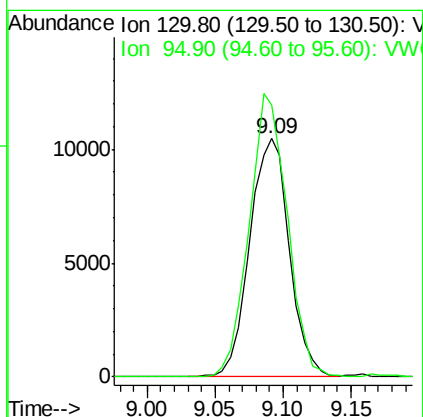
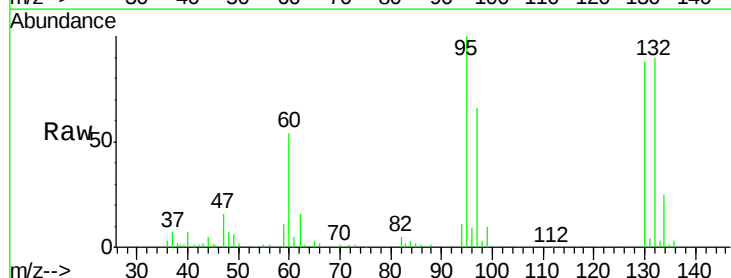
RT: 9.09 min Scan# 1179

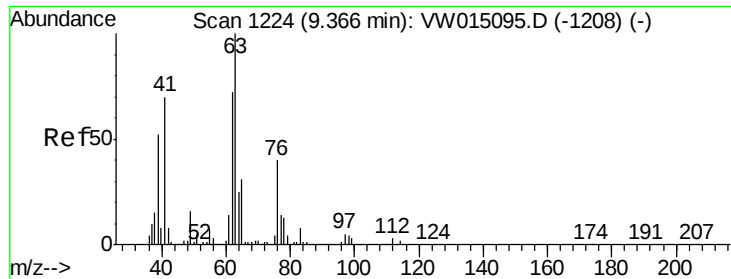
Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion:	130	Resp:	21349
Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	219.8





#45

1,2-Dichloropropane

Concen: 4.12 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

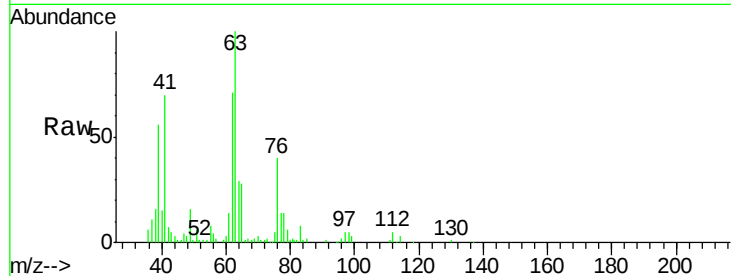
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 63 Resp: 27252

Ion Ratio Lower Upper

63 100

65 28.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

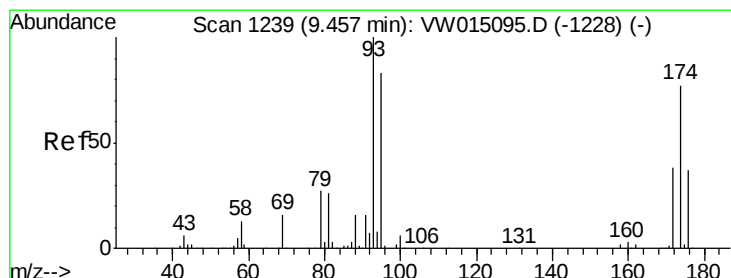
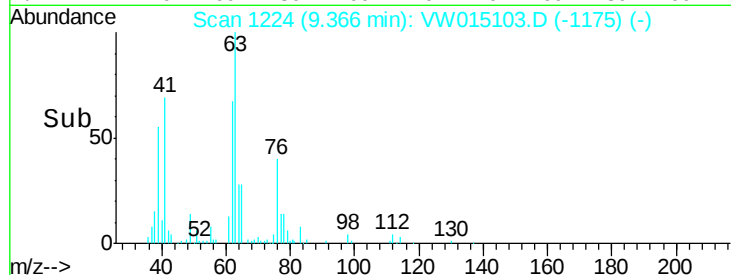
15000

10000

5000

0

Time--> 9.20 9.30 9.40



#46

Dibromomethane

Concen: 4.19 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

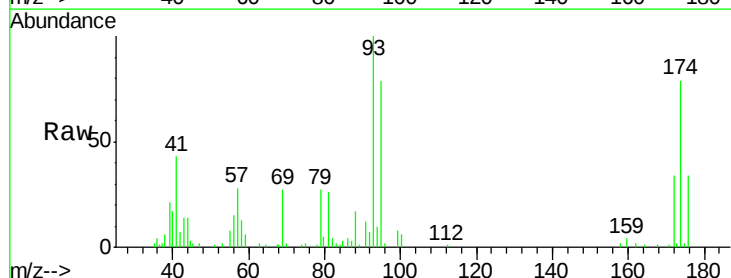
Tgt Ion: 93 Resp: 12064

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 76.9 60.6 91.0



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

8000

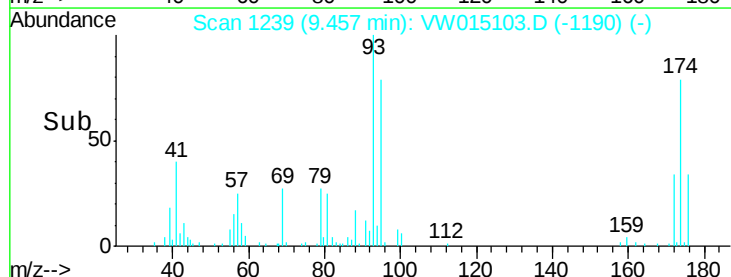
6000

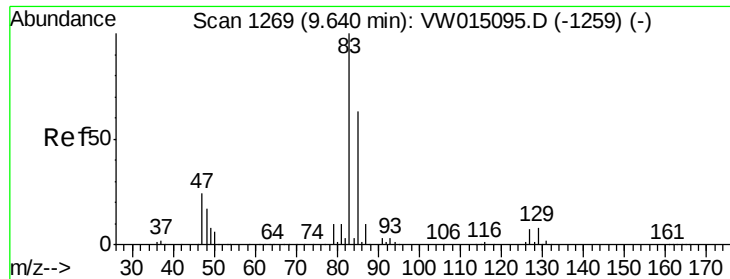
4000

2000

0

Time--> 9.35 9.40 9.45 9.50 9.55

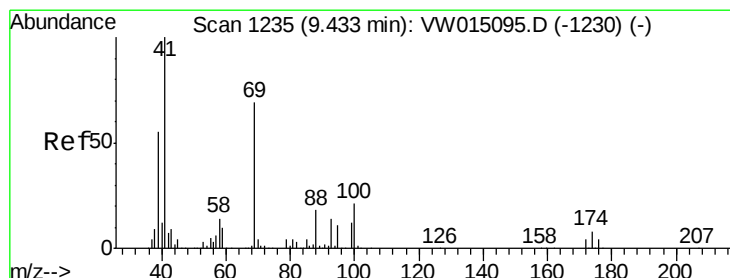
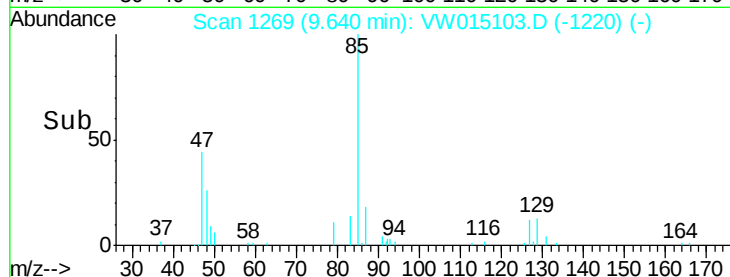
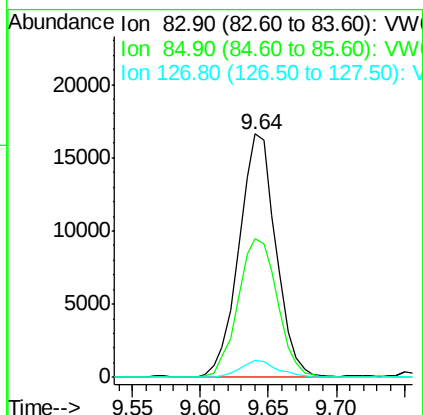
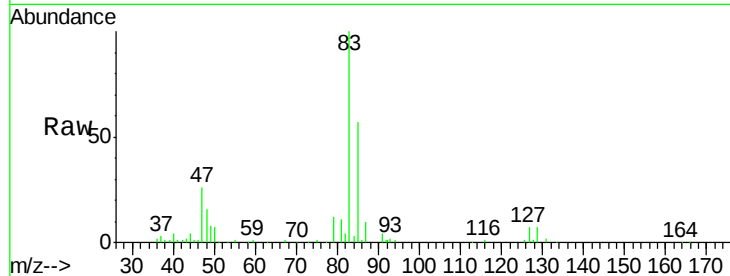




#47
Bromodichloromethane
Concen: 4.13 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

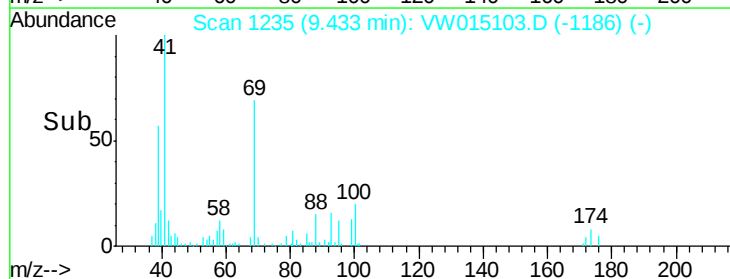
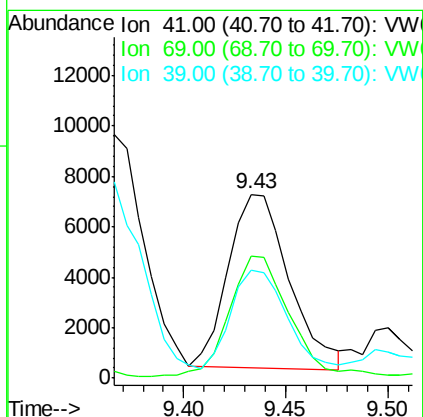
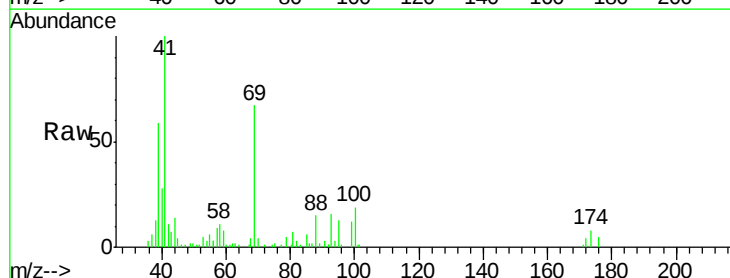
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

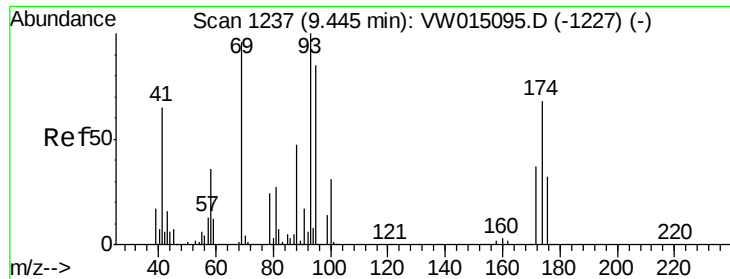
Tgt Ion: 83 Resp: 31680
Ion Ratio Lower Upper
83 100
85 56.9 50.7 76.1
127 6.9 5.5 8.3



#48
Methyl methacrylate
Concen: 3.91 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 41 Resp: 14268
Ion Ratio Lower Upper
41 100
69 72.7 58.7 88.1
39 53.3 45.1 67.7

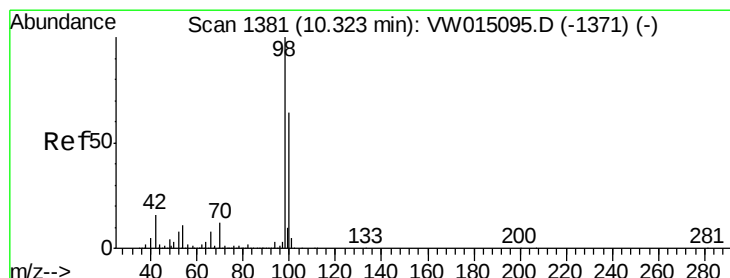
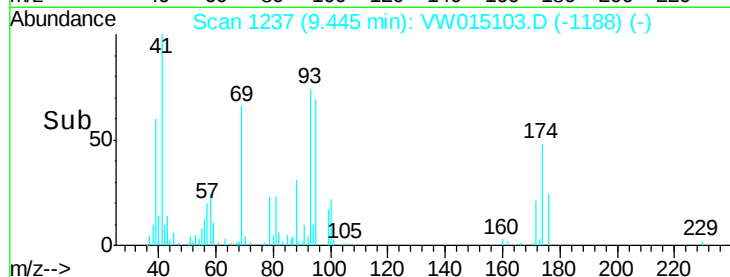
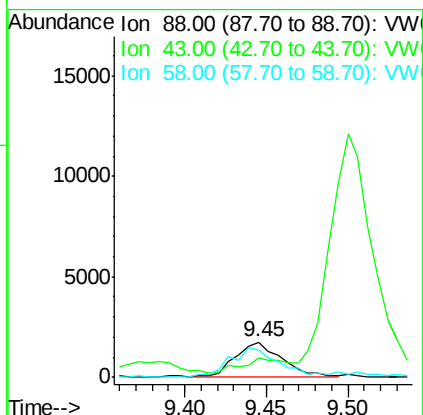
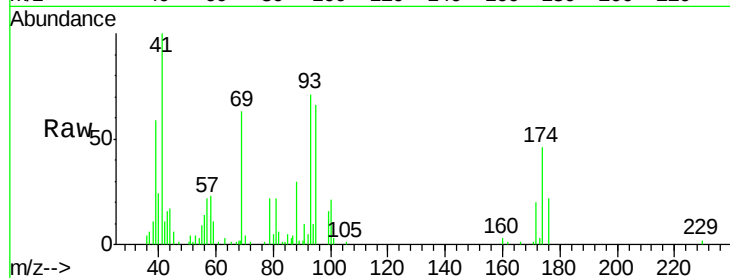




#49
1,4-Dioxane
Concen: 79.46 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

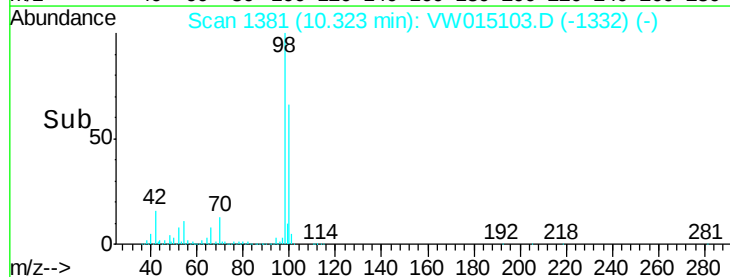
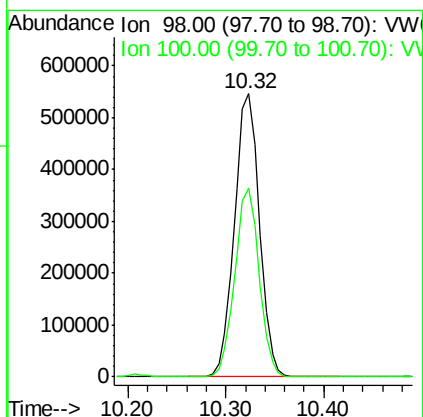
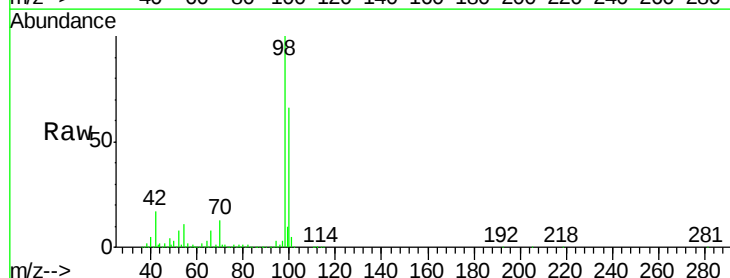
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

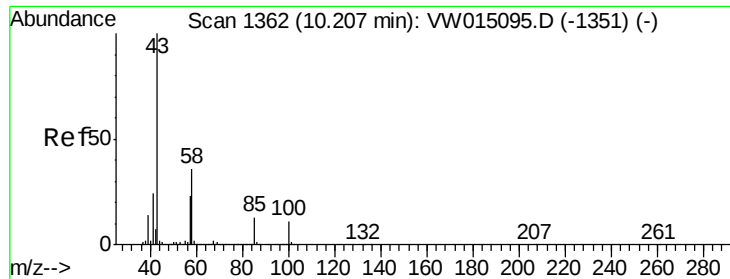
Tgt Ion: 88 Resp: 3499
Ion Ratio Lower Upper
88 100
43 41.3 35.8 53.8
58 88.5 64.0 96.0



#50
Toluene-d8
Concen: 50.73 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 98 Resp: 969371
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

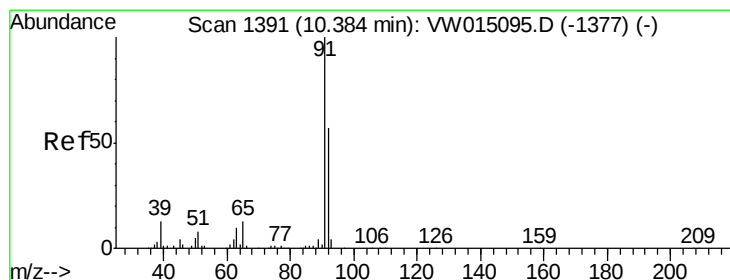
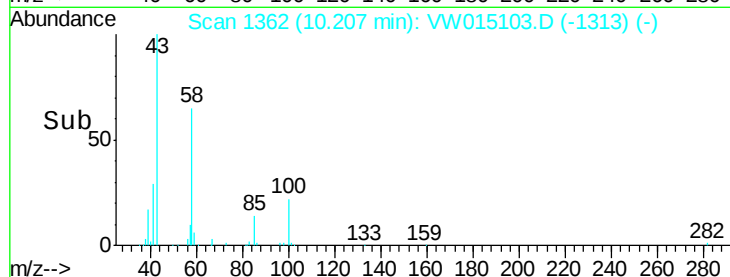
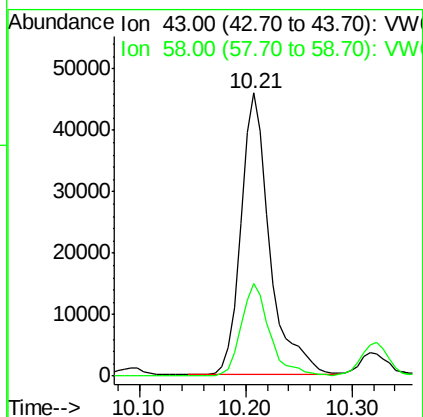
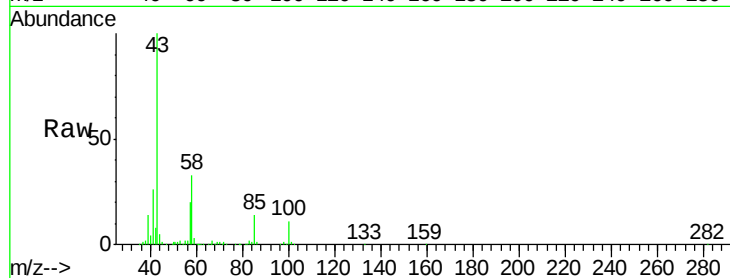




#51
 4-Methyl-2-Pentanone
 Concen: 20.03 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

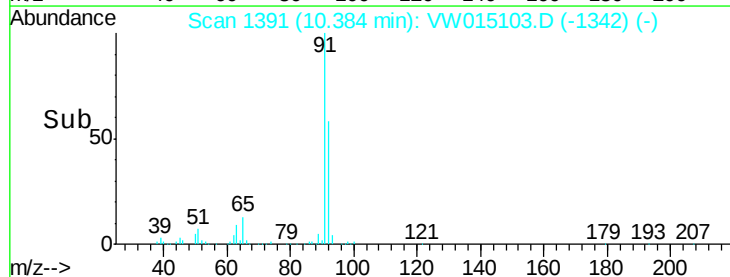
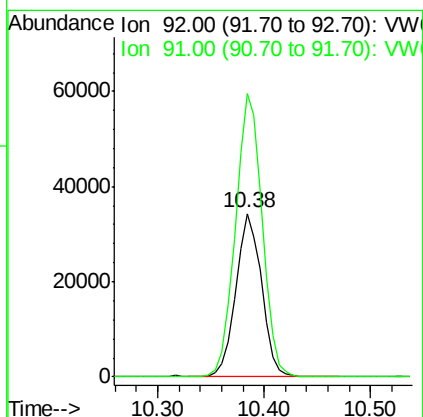
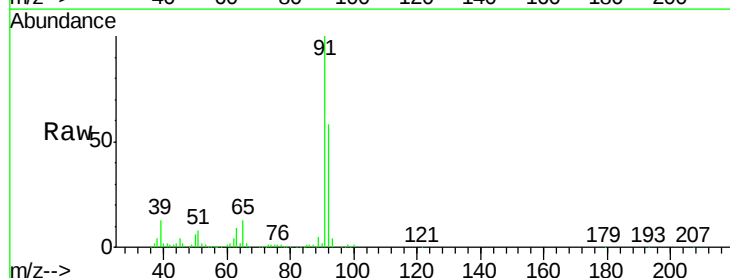
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

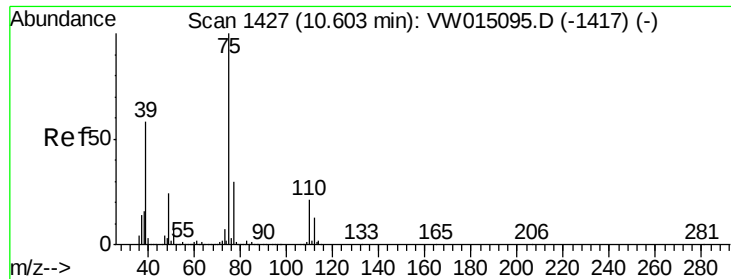
Tgt Ion: 43 Resp: 87384
 Ion Ratio Lower Upper
 43 100
 58 32.6 28.0 42.0



#52
 Toluene
 Concen: 4.14 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion: 92 Resp: 58417
 Ion Ratio Lower Upper
 92 100
 91 178.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 3.79 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

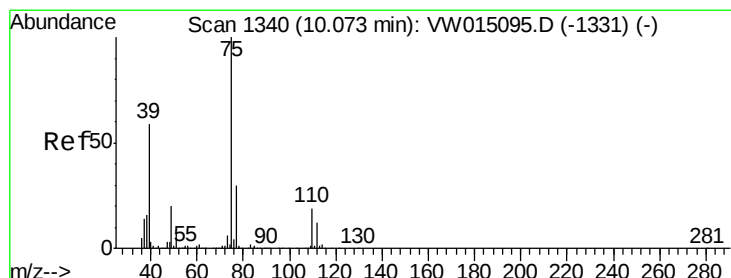
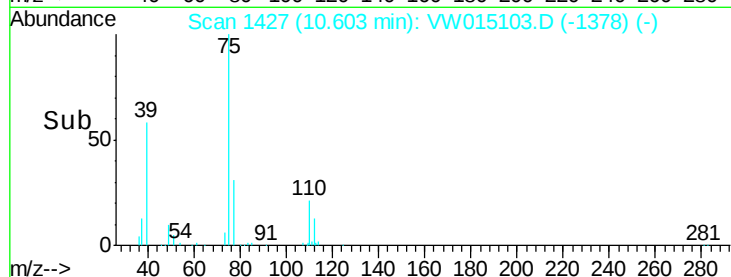
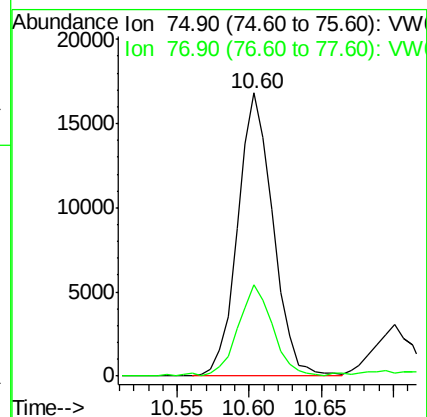
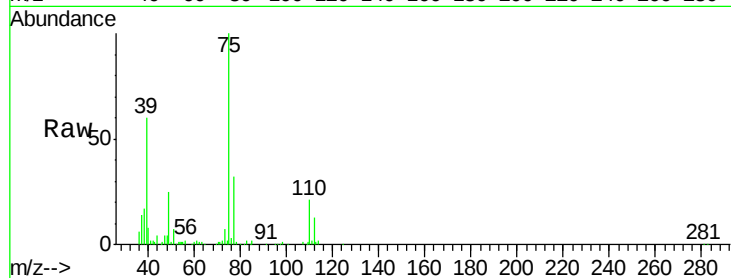
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 75 Resp: 28640

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 3.87 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

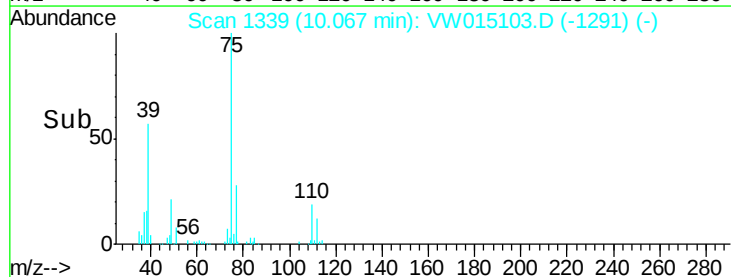
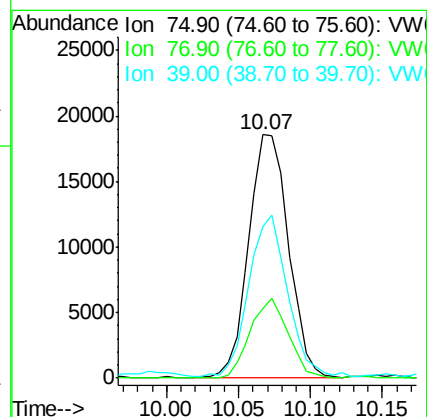
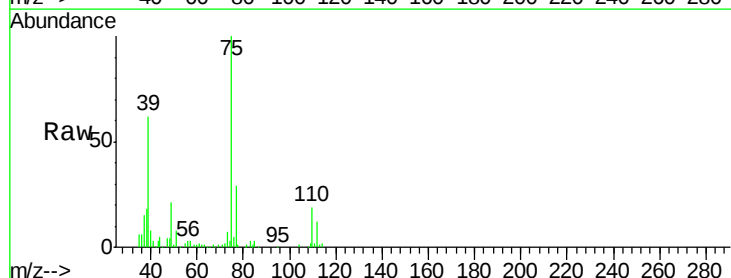
Tgt Ion: 75 Resp: 35624

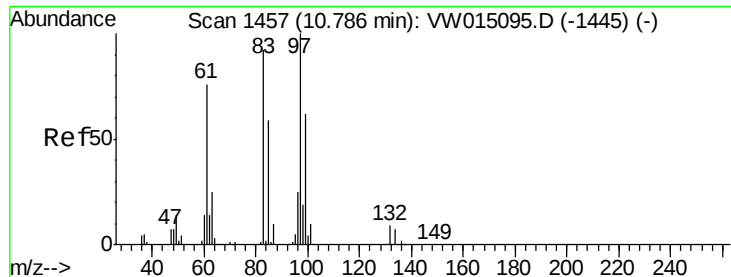
Ion Ratio Lower Upper

75 100

77 28.4 24.3 36.5

39 61.6 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 4.11 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 97 Resp: 16189

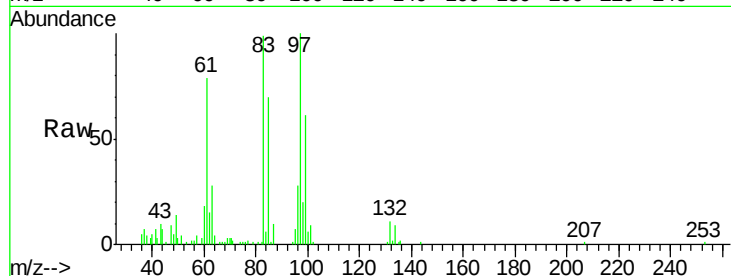
Ion Ratio Lower Upper

97 100

83 98.3 74.0 111.0

85 69.2 46.9 70.3

99 60.6 49.8 74.8

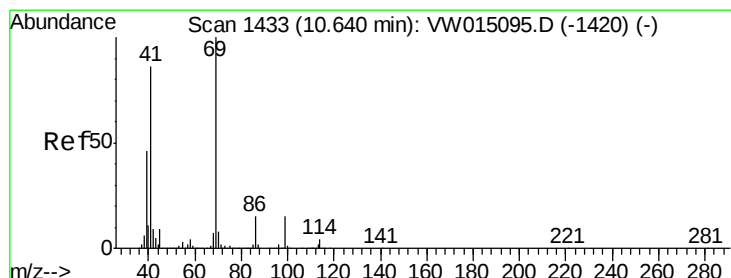
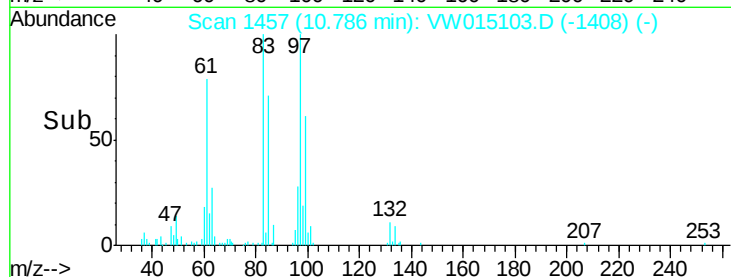
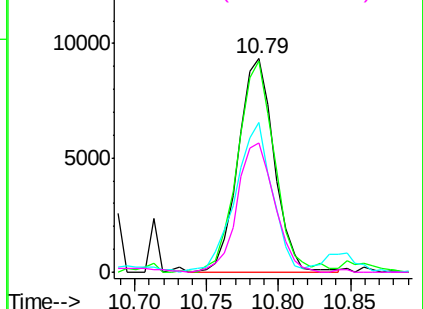


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 3.60 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

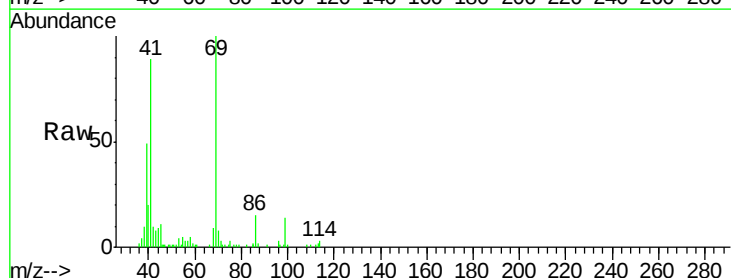
Tgt Ion: 69 Resp: 18324

Ion Ratio Lower Upper

69 100

41 79.3 65.8 98.6

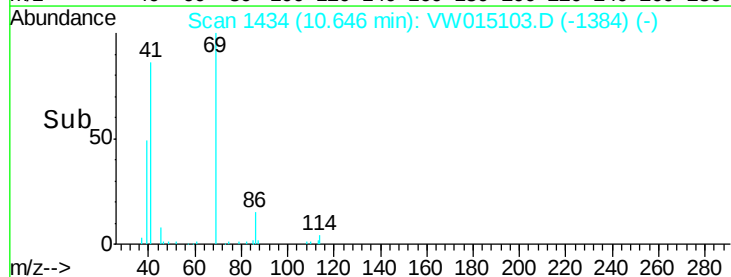
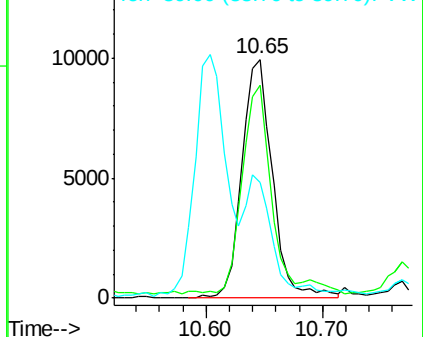
39 41.2 31.2 46.8

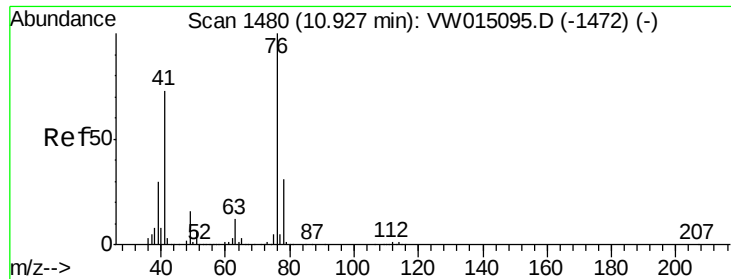


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

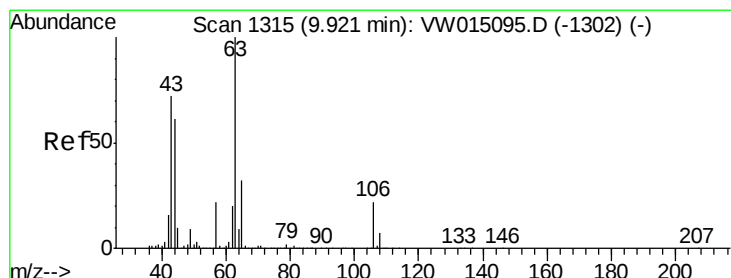
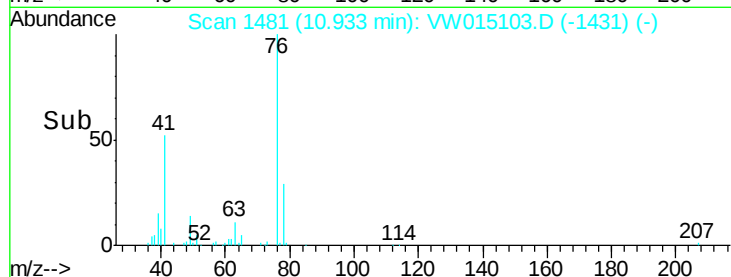
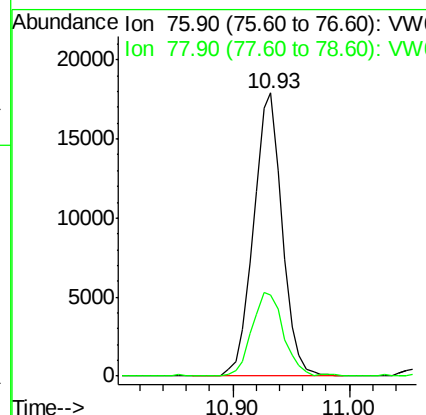
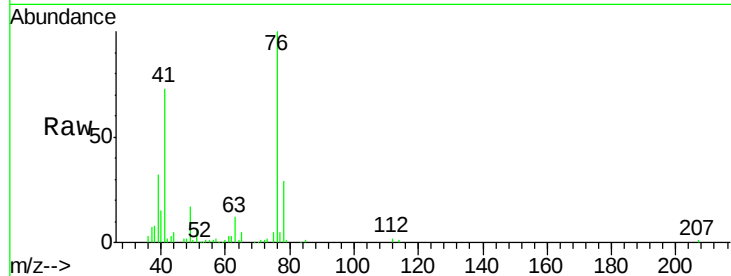




#57
 1,3-Dichloropropane
 Concen: 4.09 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

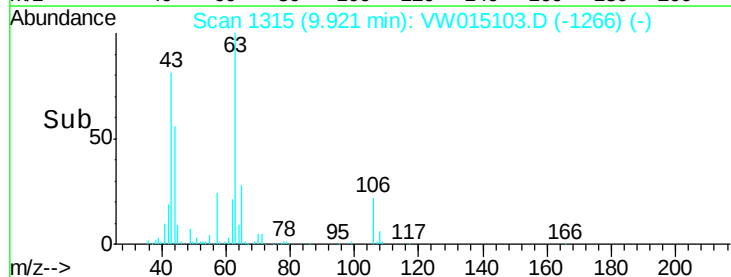
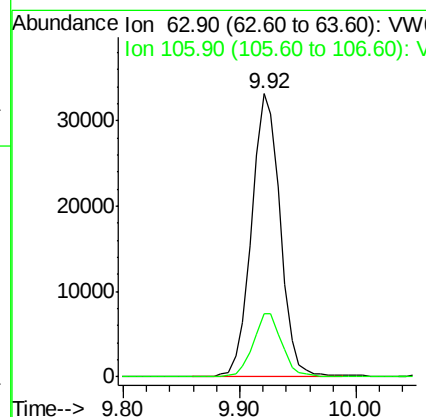
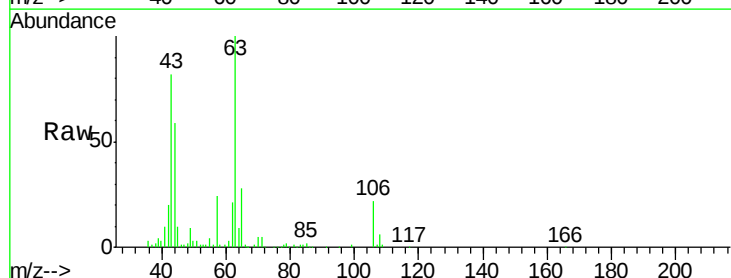
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

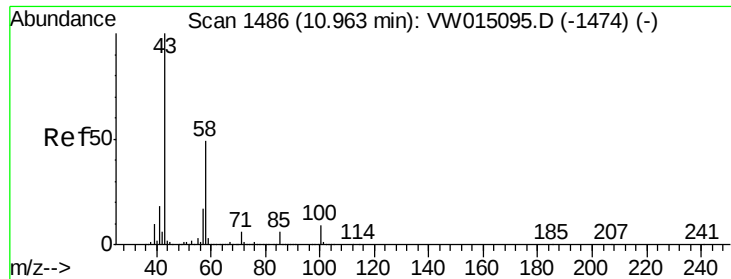
Tgt Ion: 76 Resp: 30682
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.14 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion: 63 Resp: 57123
 Ion Ratio Lower Upper
 63 100
 106 22.3 18.0 27.0

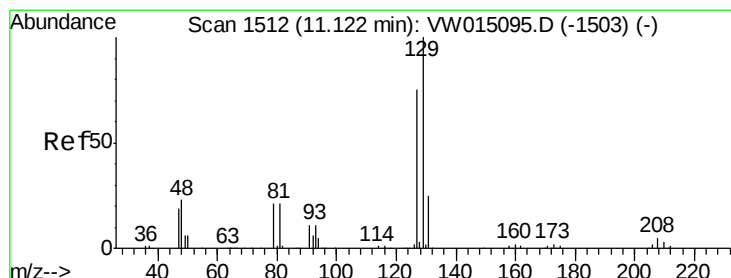
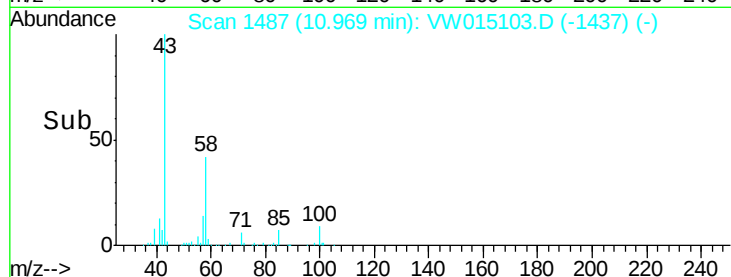
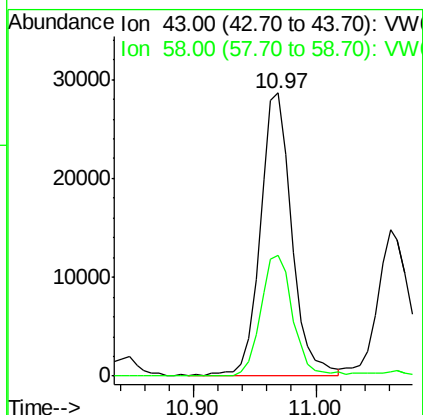
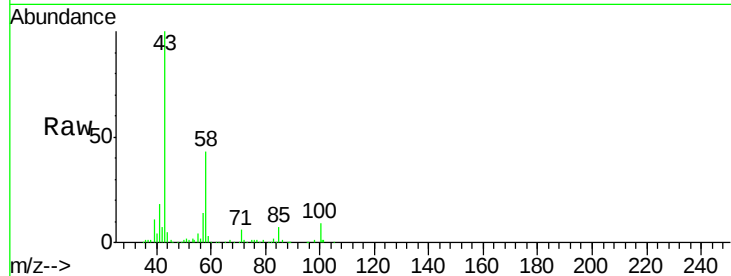




#59
2-Hexanone
Concen: 18.90 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

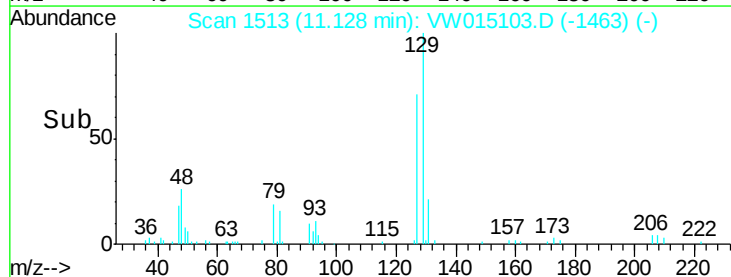
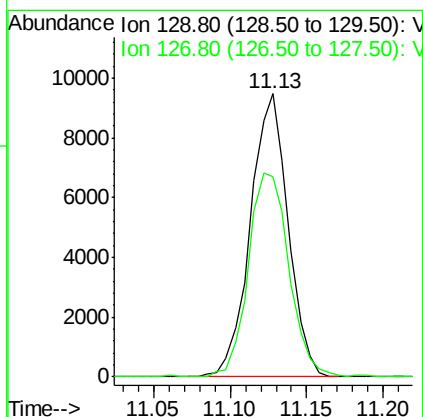
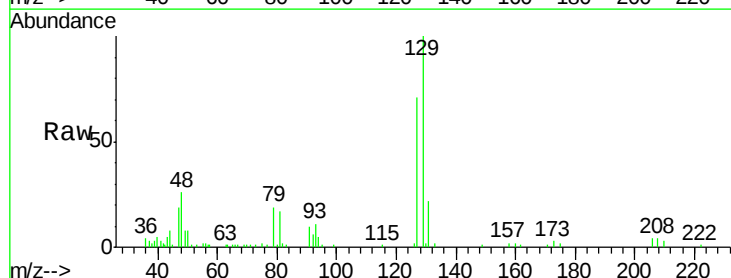
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

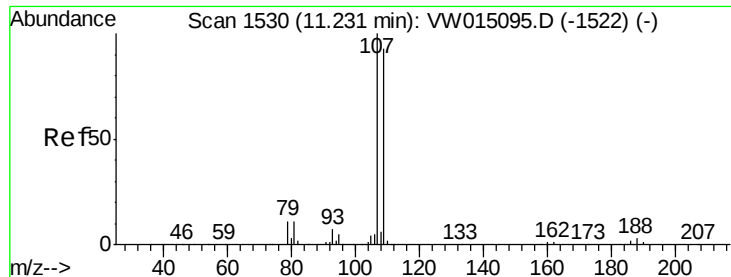
Tgt Ion: 43 Resp: 51484
Ion Ratio Lower Upper
43 100
58 43.5 24.6 73.8



#60
Dibromochloromethane
Concen: 3.99 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 129 Resp: 16257
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

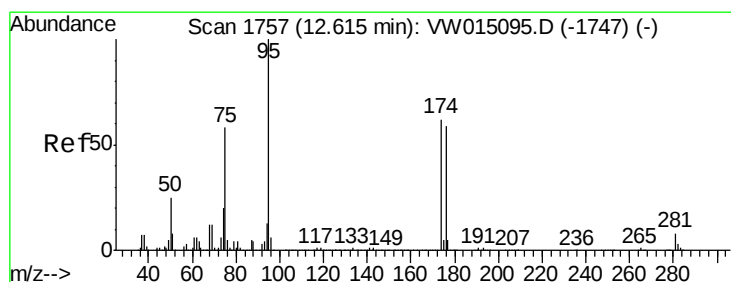
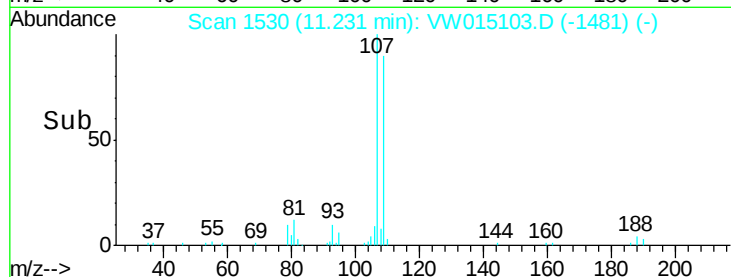
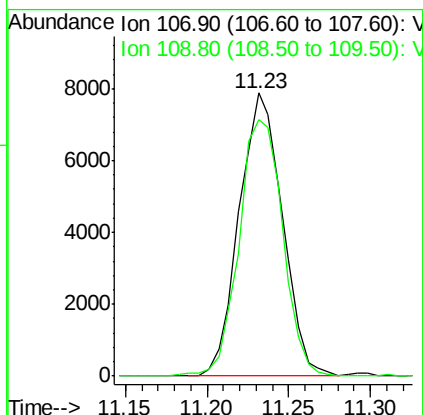
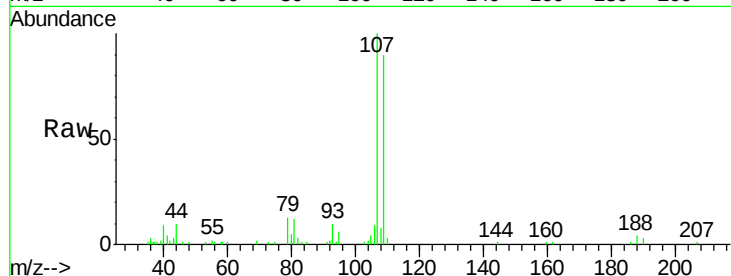




#61
1,2-Dibromoethane
Concen: 4.15 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

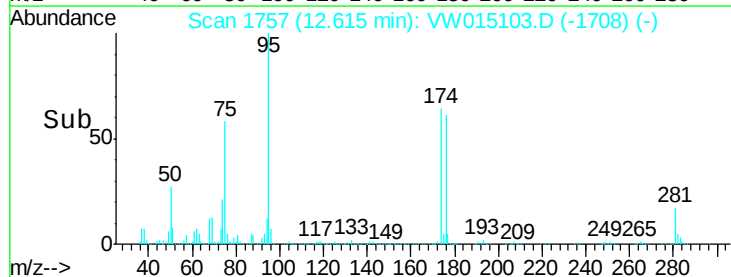
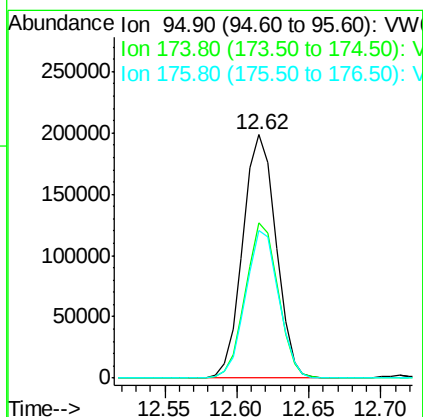
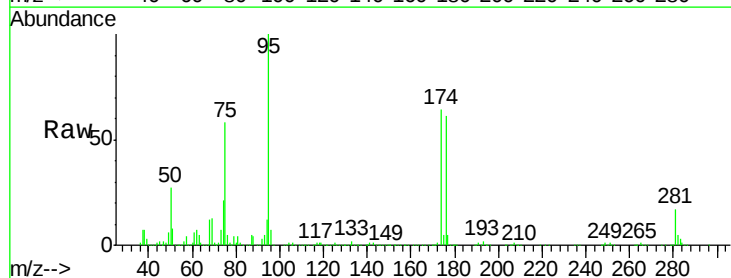
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

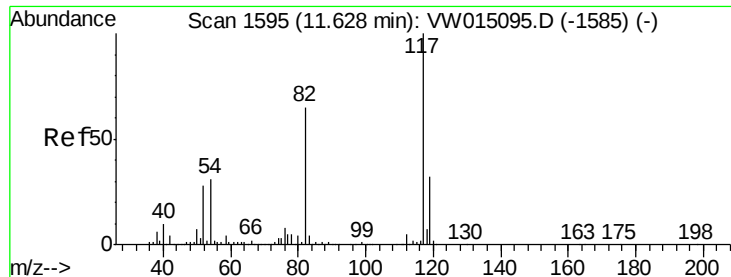
Tgt Ion: 107 Resp: 14491
Ion Ratio Lower Upper
107 100
109 91.6 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 50.14 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 95 Resp: 318240
Ion Ratio Lower Upper
95 100
174 62.4 0.0 126.8
176 60.2 0.0 121.6

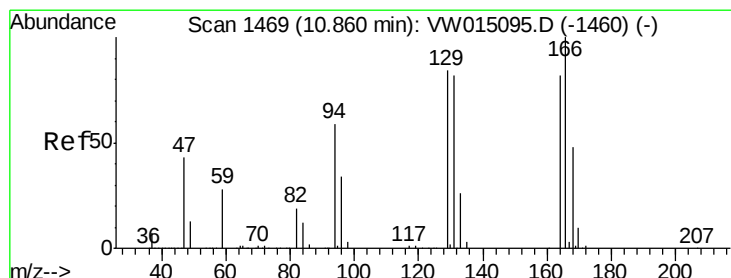
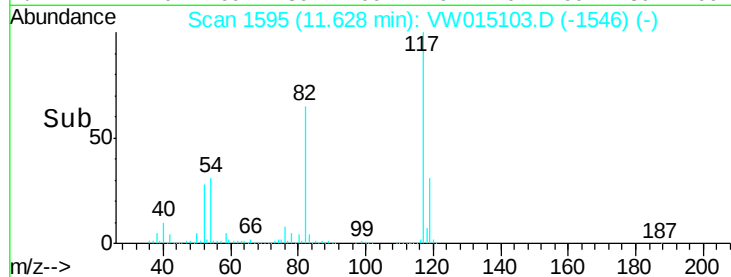
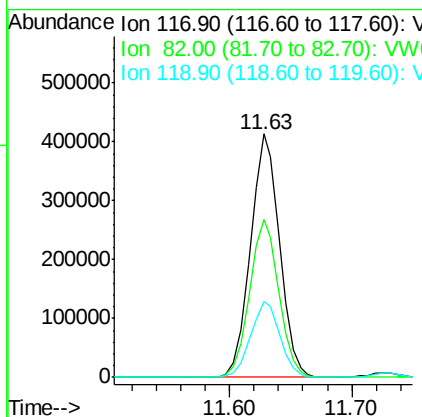
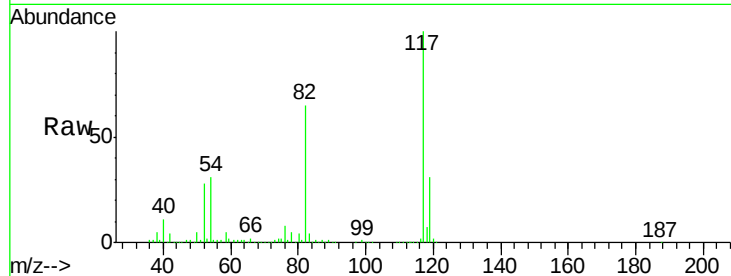




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

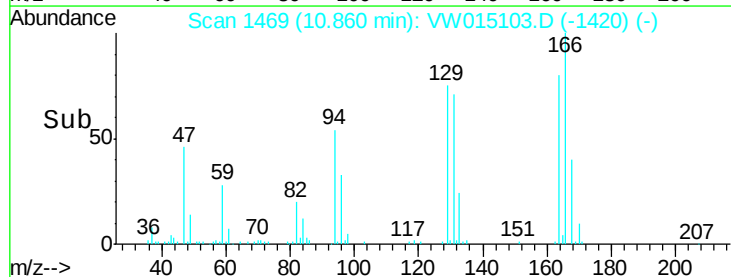
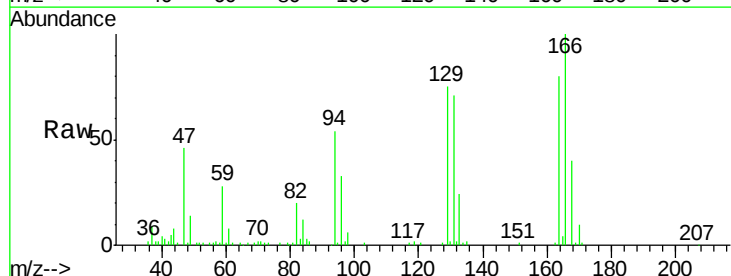
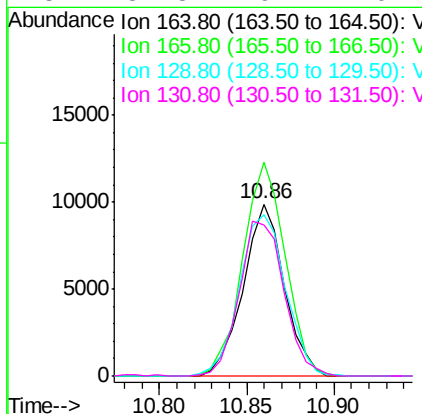
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

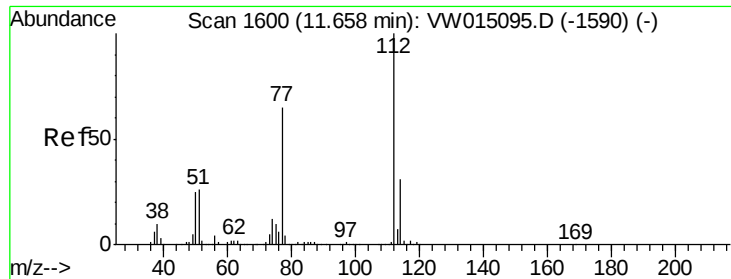
Tgt Ion:117 Resp: 682086
Ion Ratio Lower Upper
117 100
82 64.6 52.2 78.2
119 31.2 25.4 38.0



#64
Tetrachloroethene
Concen: 4.09 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion:164 Resp: 16095
Ion Ratio Lower Upper
164 100
166 124.4 97.0 145.6
129 93.7 81.2 121.8
131 87.8 79.4 119.2





#65

Chlorobenzene

Concen: 4.20 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

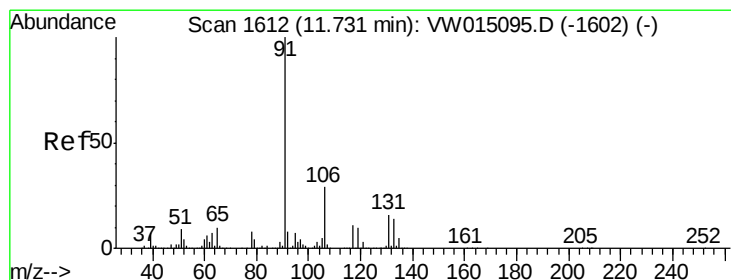
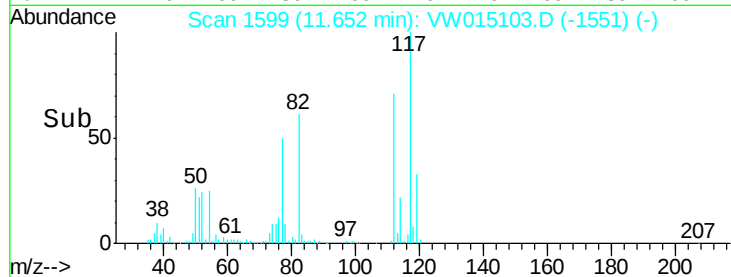
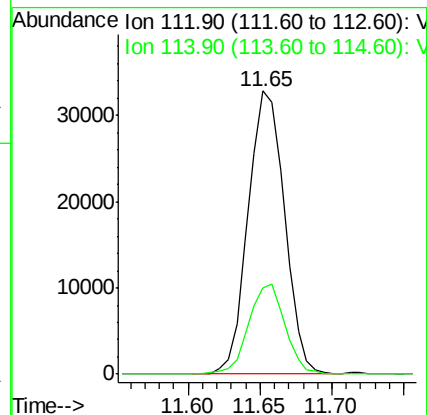
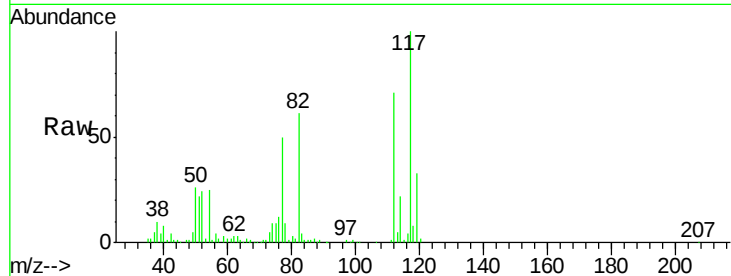
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:112 Resp: 57525

Ion Ratio Lower Upper

112 100

114 30.3 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 3.92 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

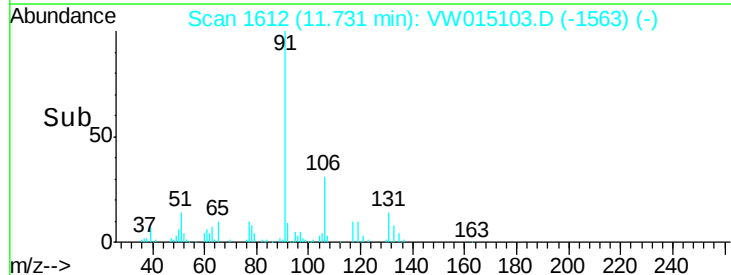
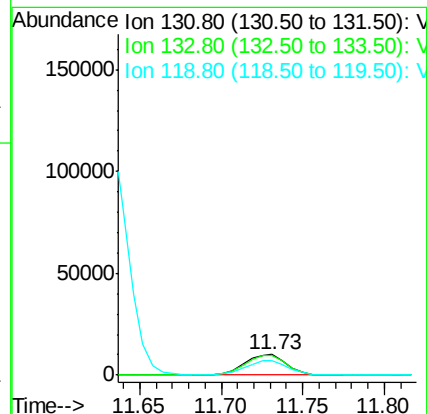
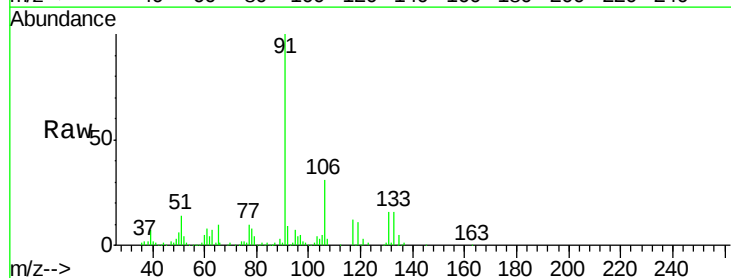
Tgt Ion:131 Resp: 17856

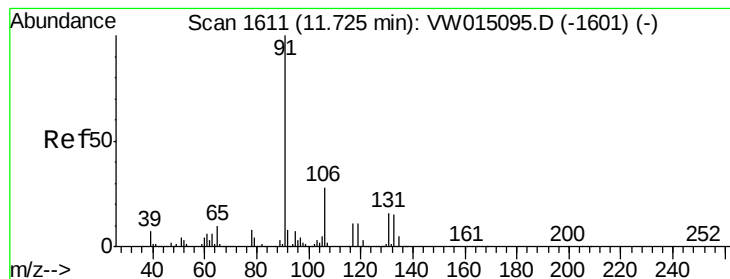
Ion Ratio Lower Upper

131 100

133 97.1 47.3 141.8

119 71.7 34.0 101.8





#67

Ethyl Benzene

Concen: 3.84 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

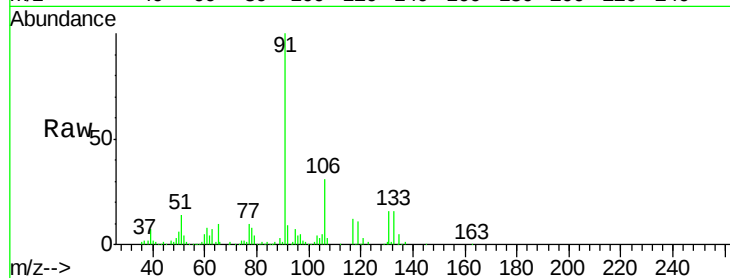
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 91 Resp: 102284

Ion Ratio Lower Upper

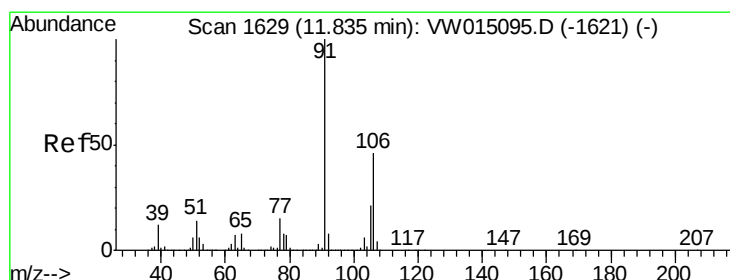
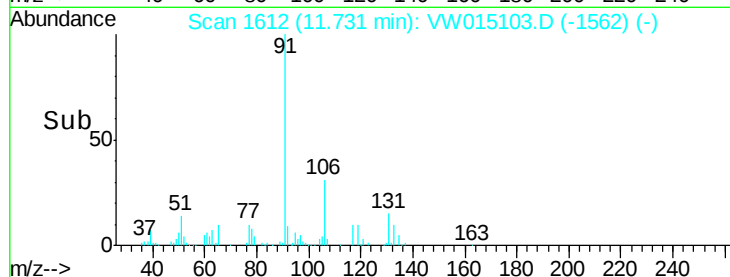
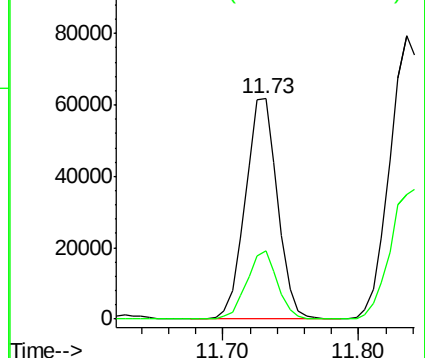
91 100

106 30.8 22.8 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 7.42 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015103.D

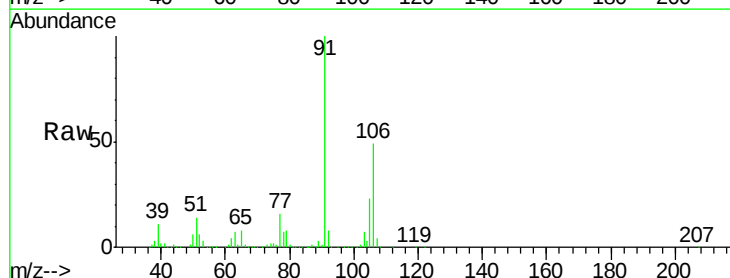
Acq: 09 Mar 2020 17:49

Tgt Ion: 106 Resp: 69913

Ion Ratio Lower Upper

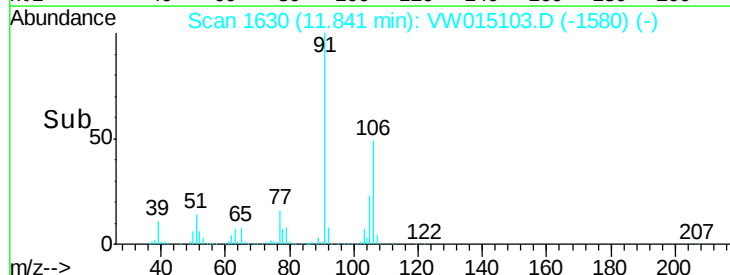
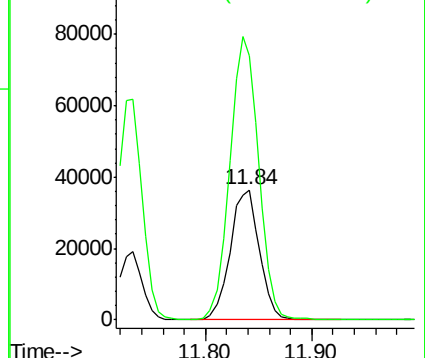
106 100

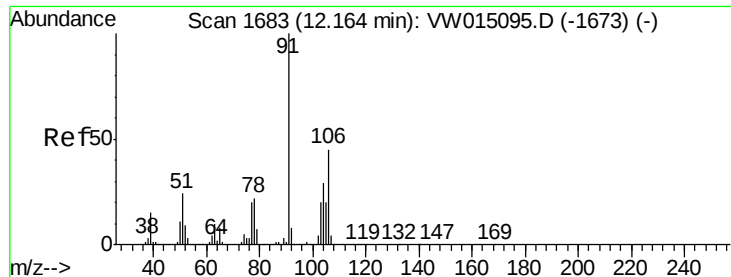
91 214.3 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

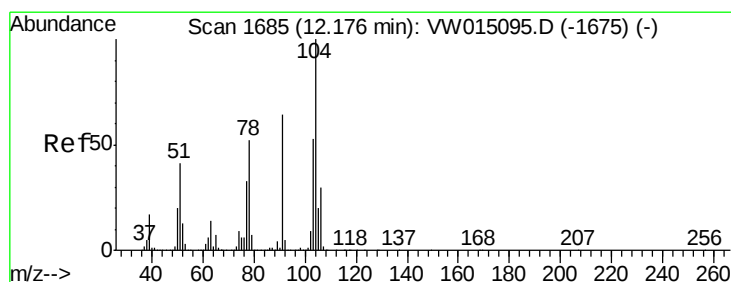
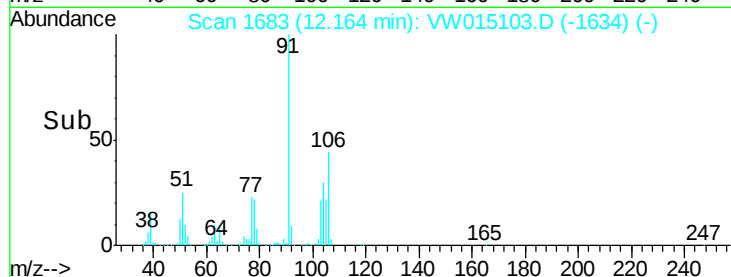
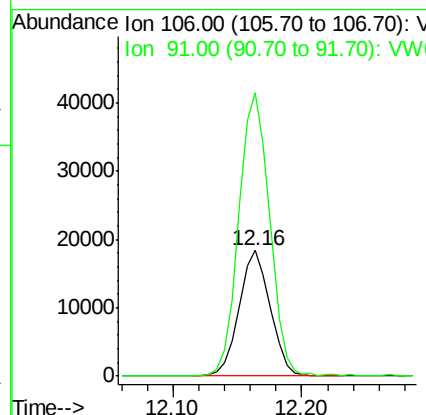
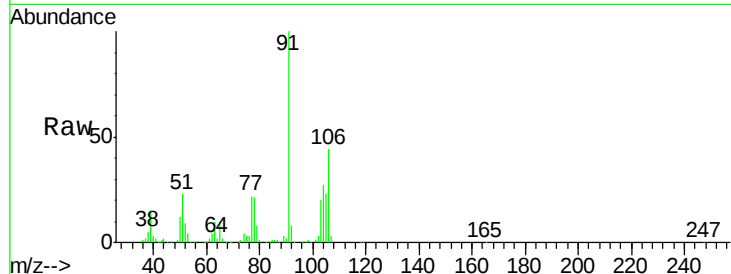




#69
o-Xylene
Concen: 3.62 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

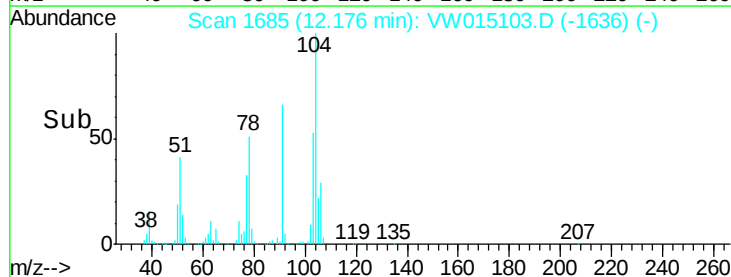
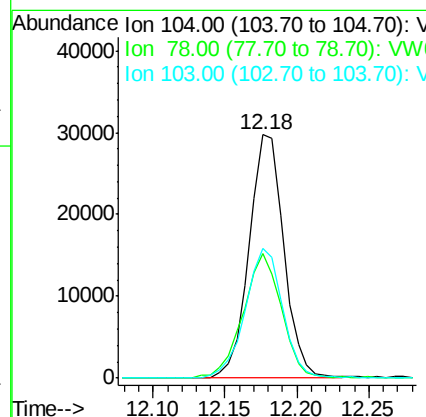
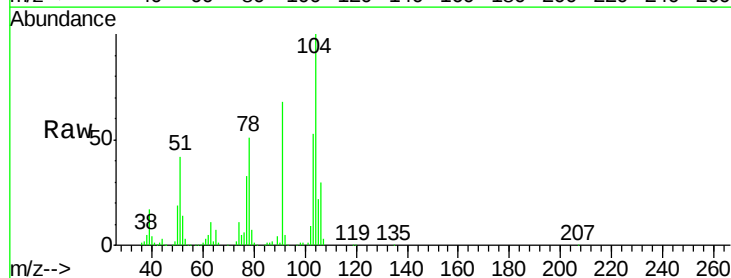
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

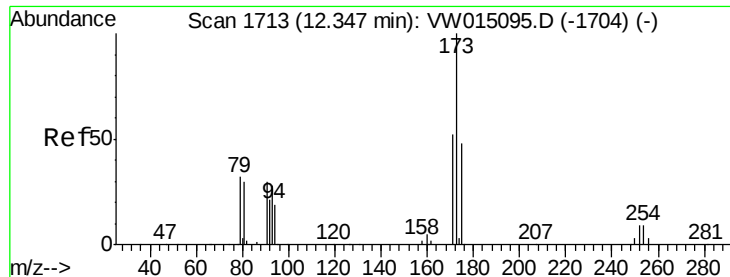
Tgt Ion:106 Resp: 30735
Ion Ratio Lower Upper
106 100
91 225.0 112.6 337.8



#70
Styrene
Concen: 3.40 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion:104 Resp: 49446
Ion Ratio Lower Upper
104 100
78 57.3 44.7 67.1
103 57.8 44.7 67.1

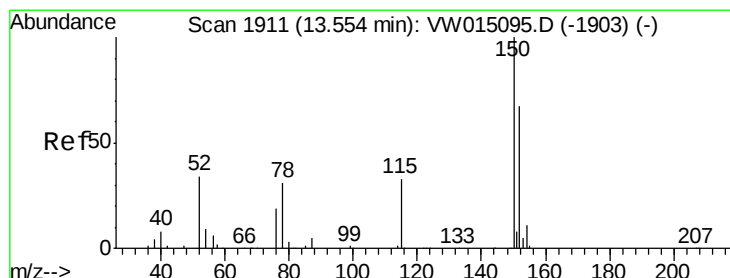
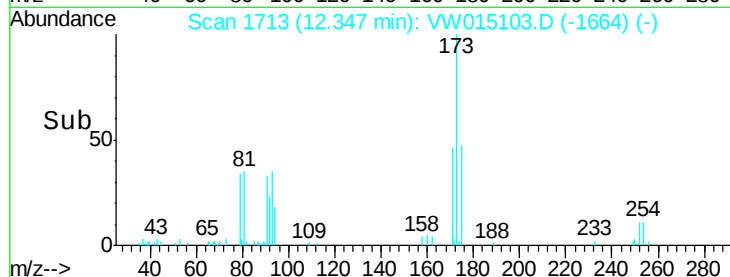
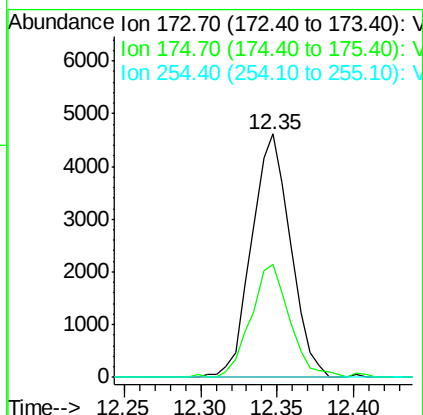
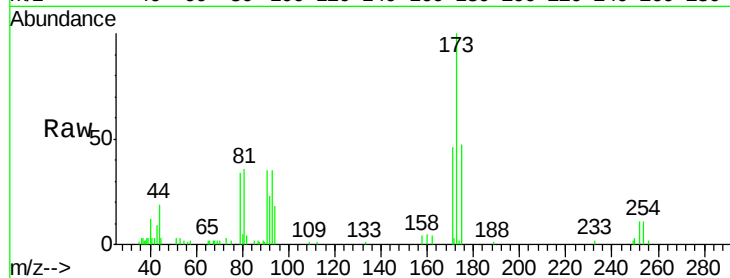




#71
Bromoform
Concen: 4.03 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

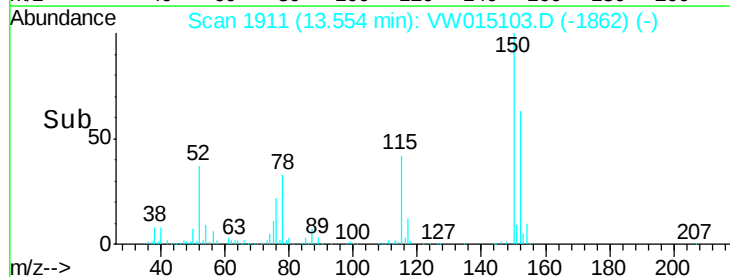
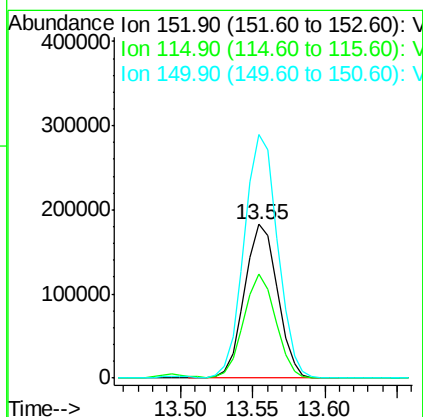
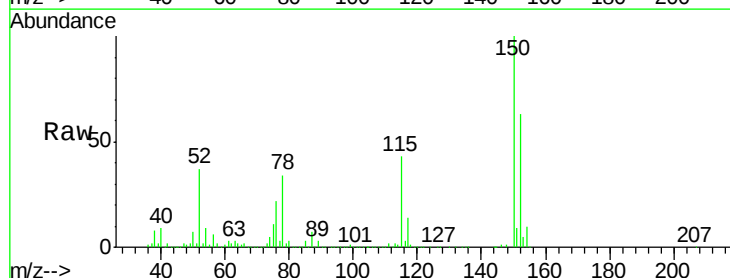
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

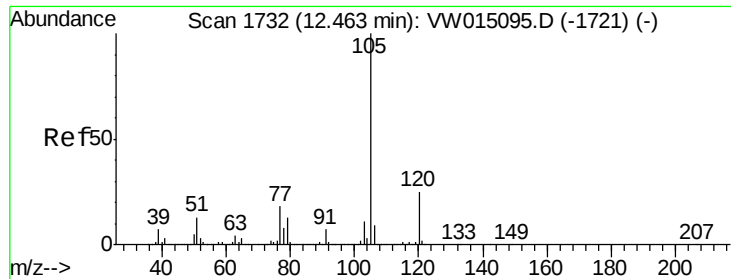
Tgt Ion:173 Resp: 8146
Ion Ratio Lower Upper
173 100
175 46.3 23.8 71.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion:152 Resp: 290213
Ion Ratio Lower Upper
152 100
115 65.5 33.3 99.9
150 160.8 0.0 351.2





#73

Isopropylbenzene

Concen: 3.83 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

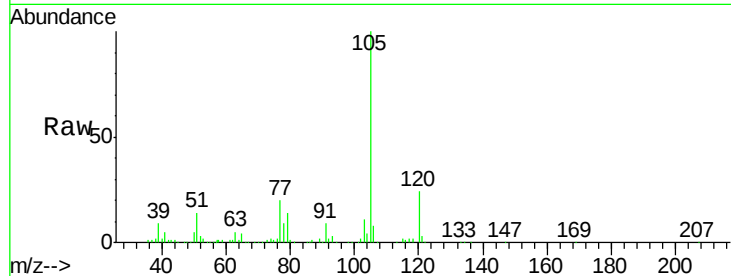
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:105 Resp: 84942

Ion Ratio Lower Upper

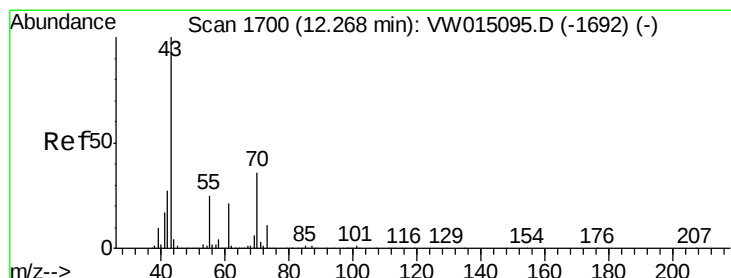
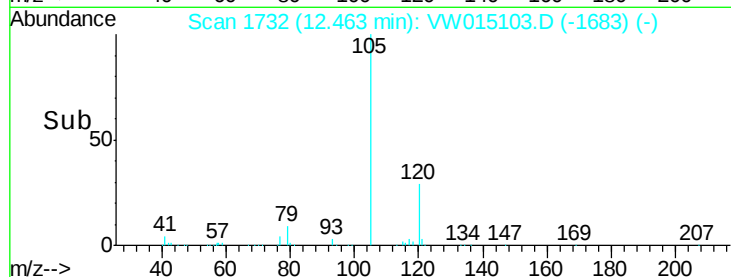
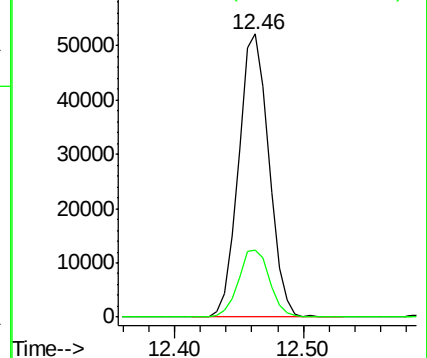
105 100

120 24.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.62 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Tgt Ion: 43 Resp: 23706

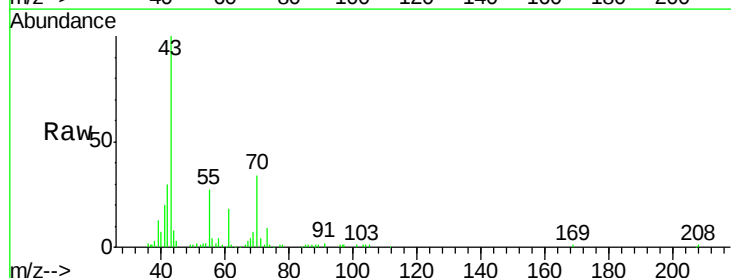
Ion Ratio Lower Upper

43 100

70 37.2 29.4 44.2

55 29.3 20.3 30.5

61 21.5 17.1 25.7

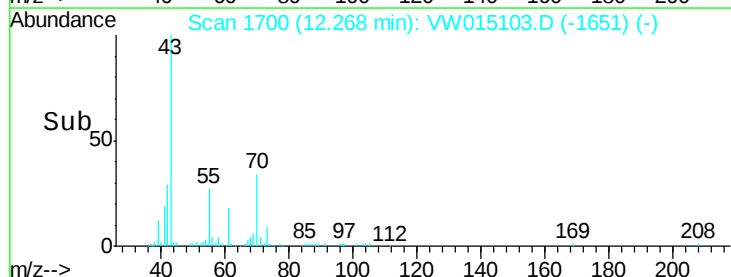
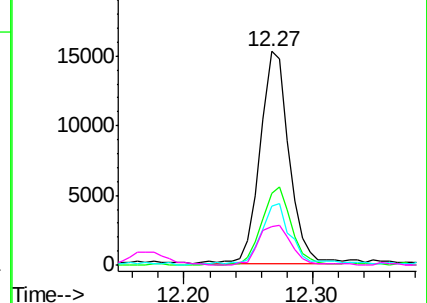


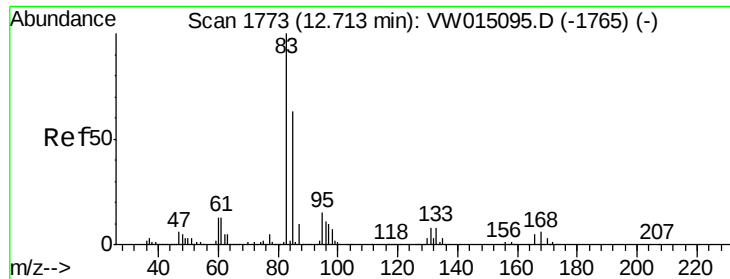
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.51 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

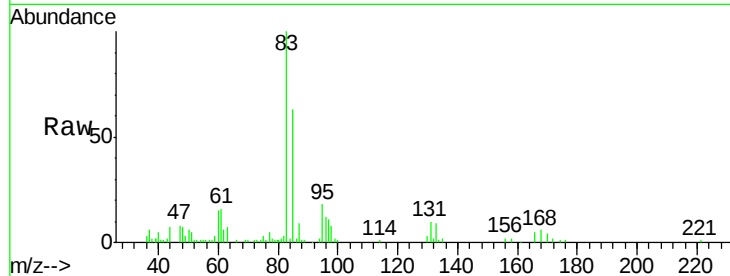
Tgt Ion: 83 Resp: 20304

Ion Ratio Lower Upper

83 100

131 9.7 4.3 13.1

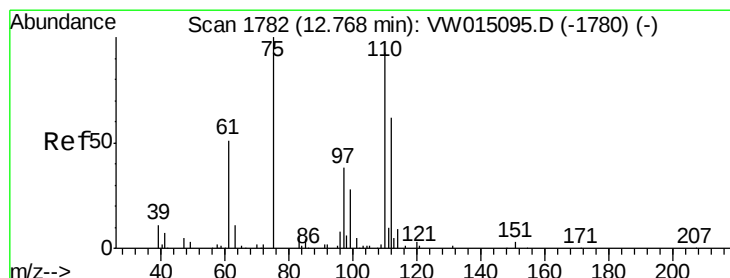
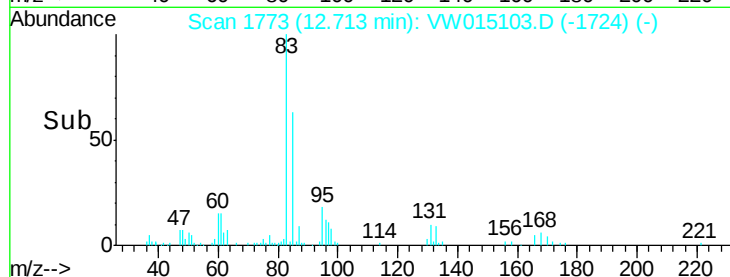
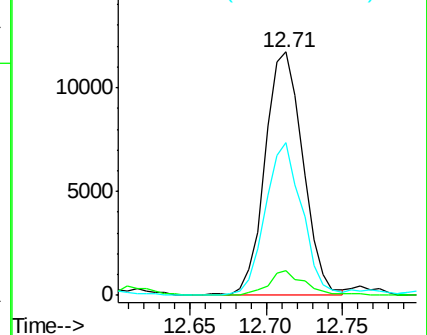
85 60.6 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 7.86 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015103.D

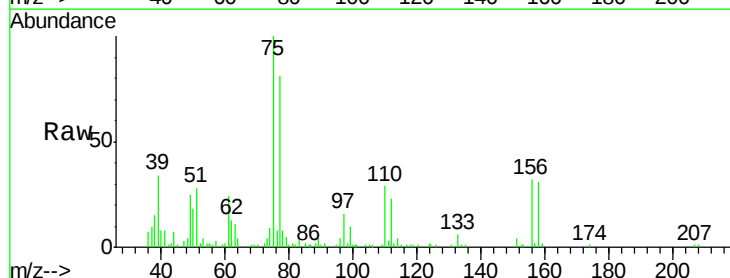
Acq: 09 Mar 2020 17:49

Tgt Ion: 75 Resp: 25788

Ion Ratio Lower Upper

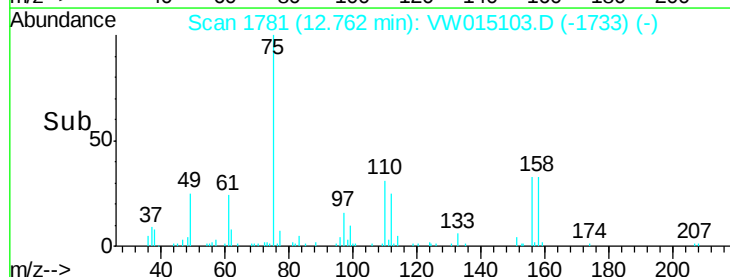
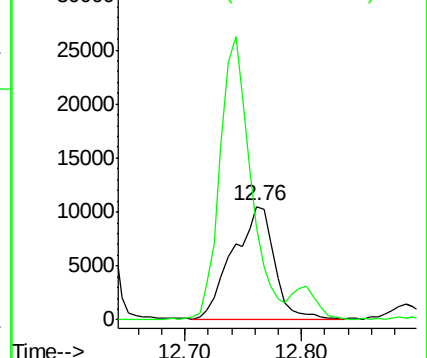
75 100

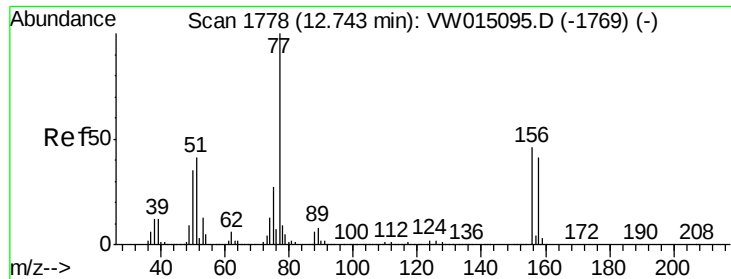
77 187.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.25 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

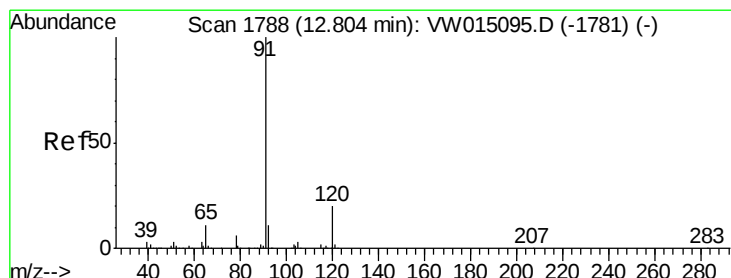
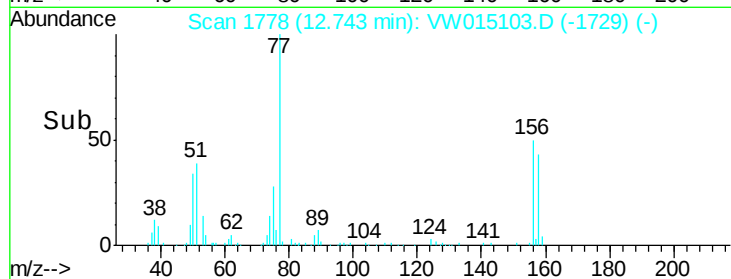
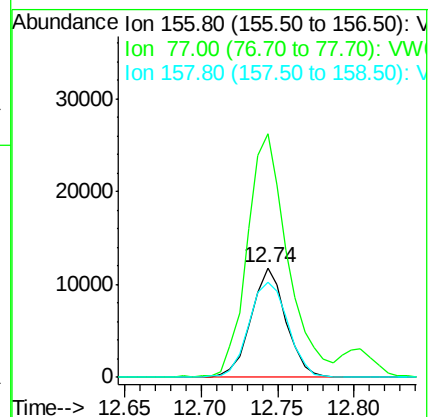
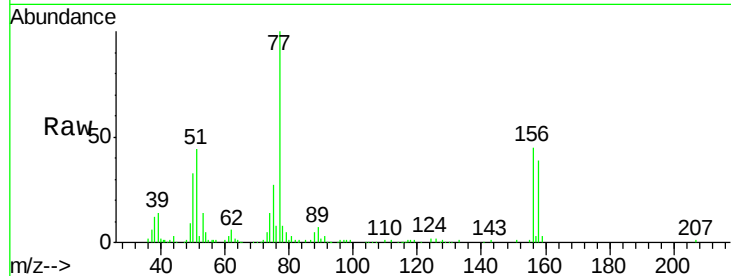
Tgt Ion:156 Resp: 18618

Ion Ratio Lower Upper

156 100

77 259.8 126.6 379.8

158 98.0 47.4 142.2



#78

n-propylbenzene

Concen: 3.97 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015103.D

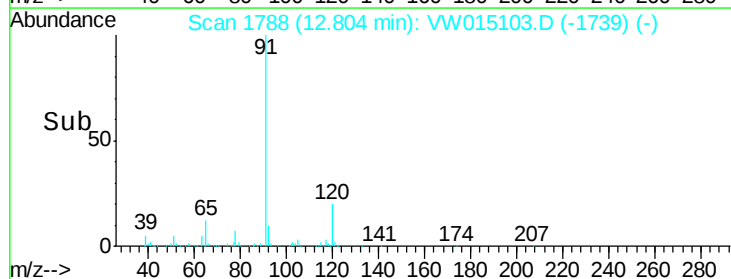
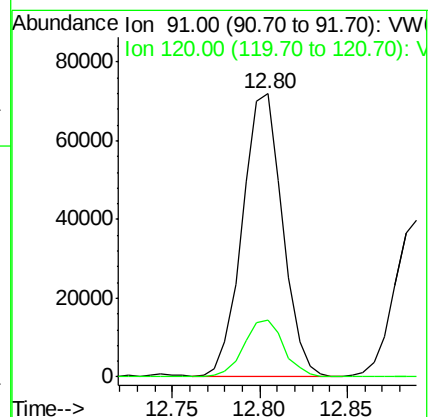
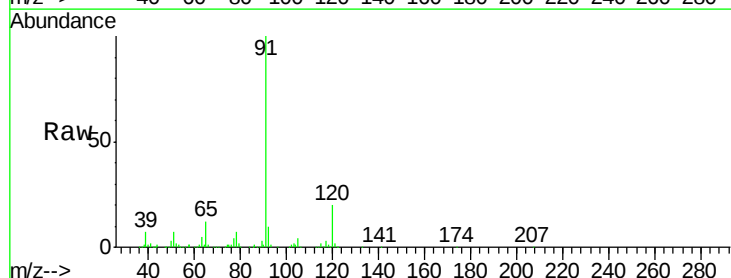
Acq: 09 Mar 2020 17:49

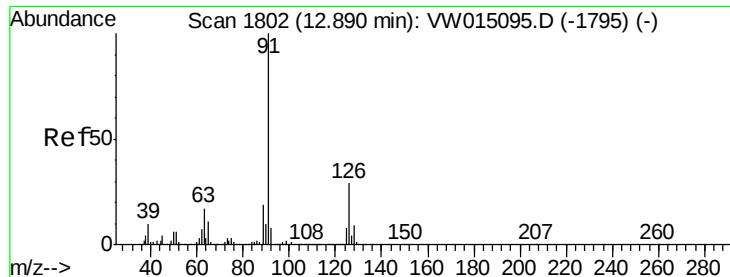
Tgt Ion: 91 Resp: 114362

Ion Ratio Lower Upper

91 100

120 20.2 10.2 30.4





#79

2-Chlorotoluene

Concen: 4.09 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

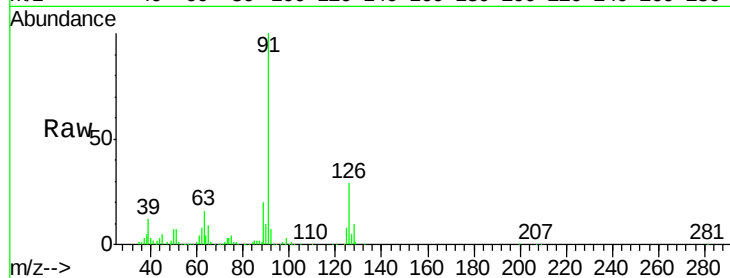
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 91 Resp: 66271

Ion Ratio Lower Upper

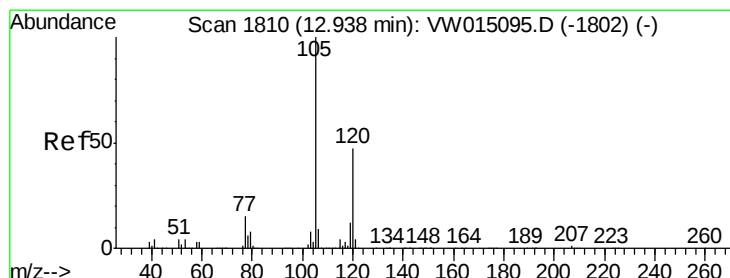
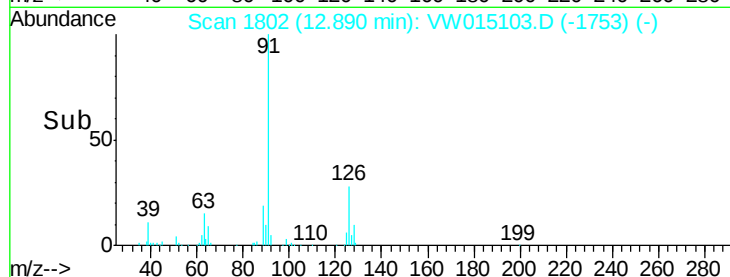
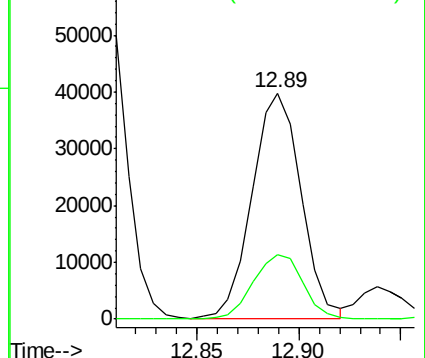
91 100

126 29.1 14.5 43.6



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: 3.74 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015103.D

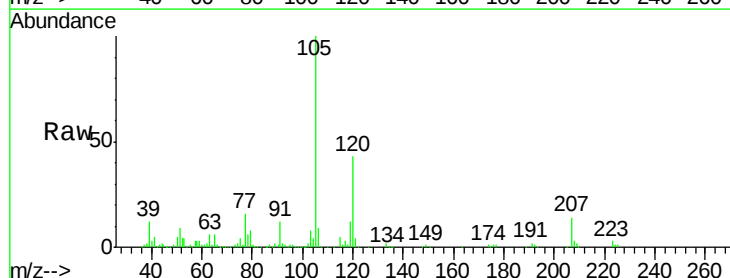
Acq: 09 Mar 2020 17:49

Tgt Ion: 105 Resp: 71295

Ion Ratio Lower Upper

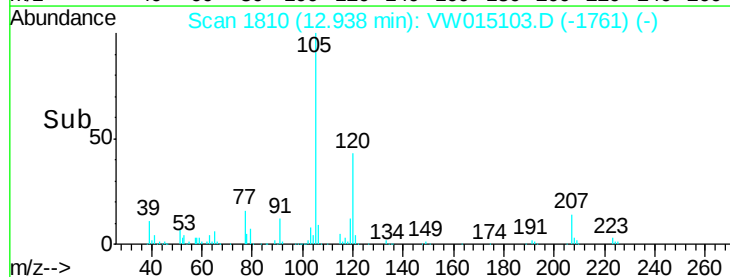
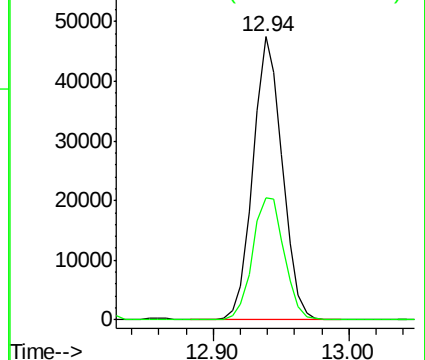
105 100

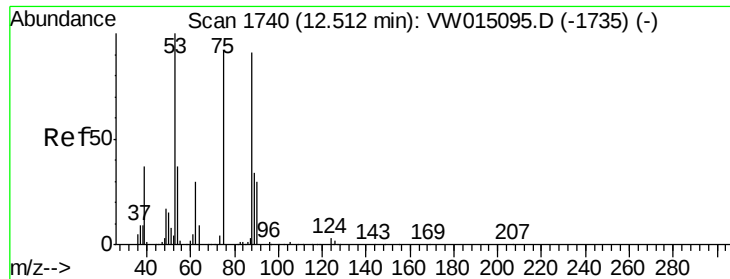
120 47.4 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

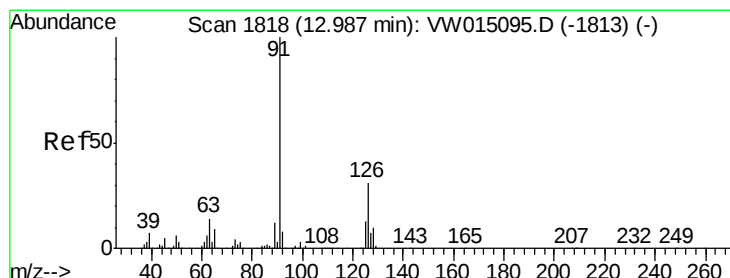
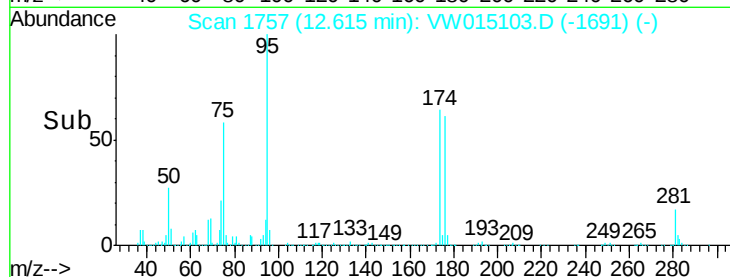
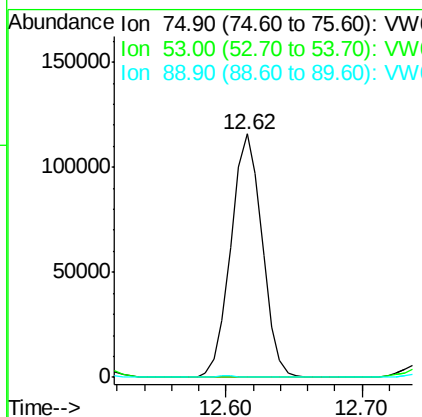
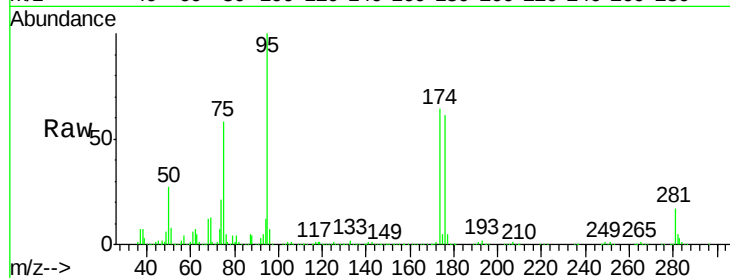




#81
trans-1,4-Dichloro-2-butene
Concen: 127.59 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

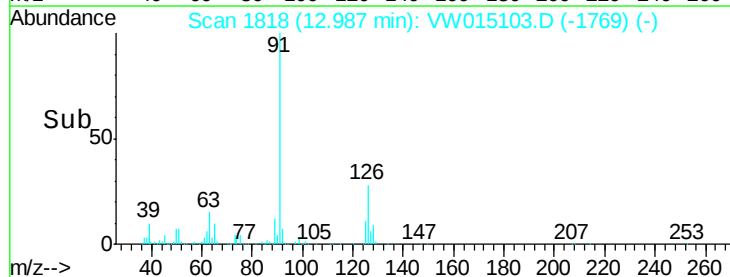
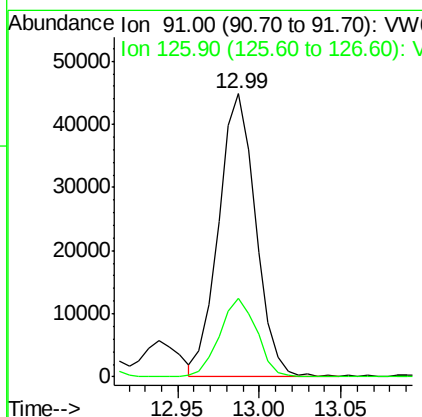
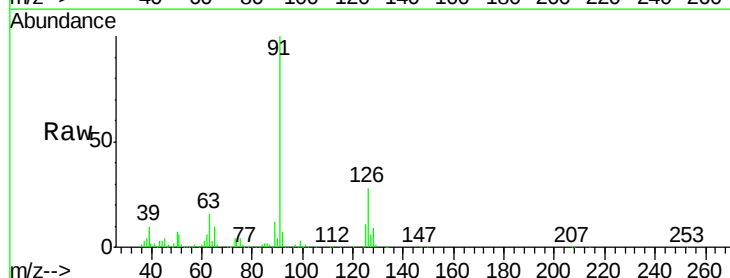
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

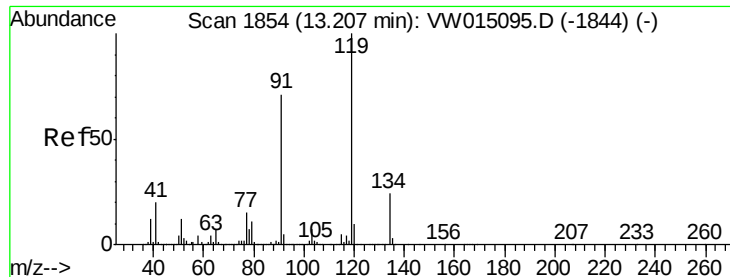
Tgt Ion: 75 Resp: 185289
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.4 33.1 49.7#



#82
4-Chlorotoluene
Concen: 4.08 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion: 91 Resp: 70457
Ion Ratio Lower Upper
91 100
126 28.1 14.8 44.4

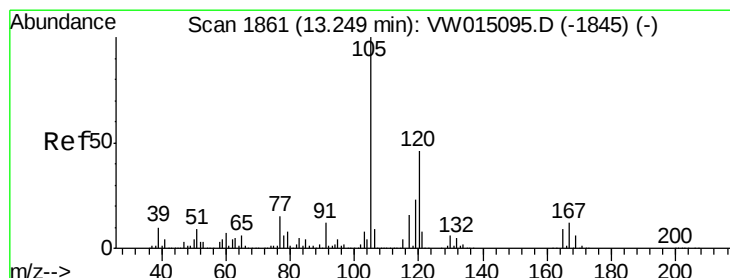
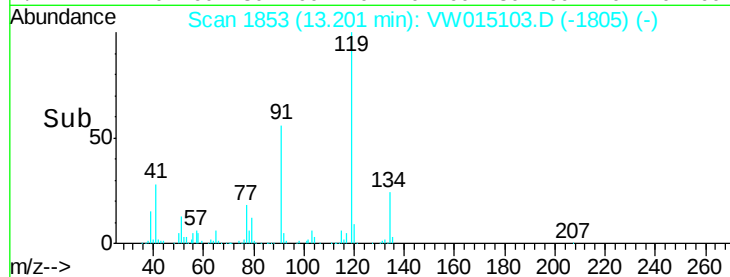
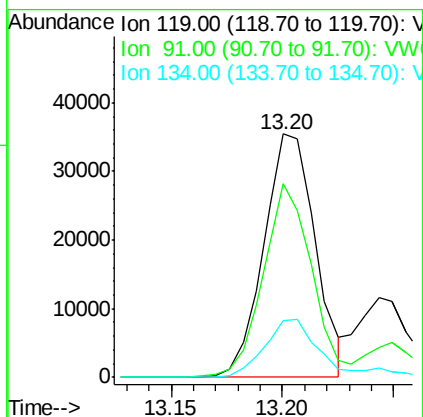
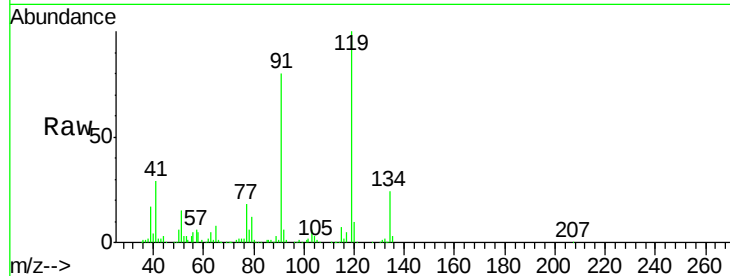




#83
 tert-Butylbenzene
 Concen: 3.68 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

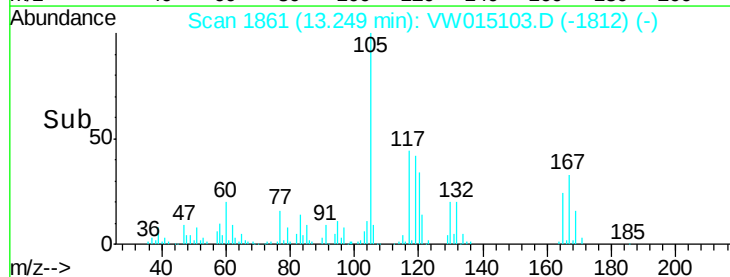
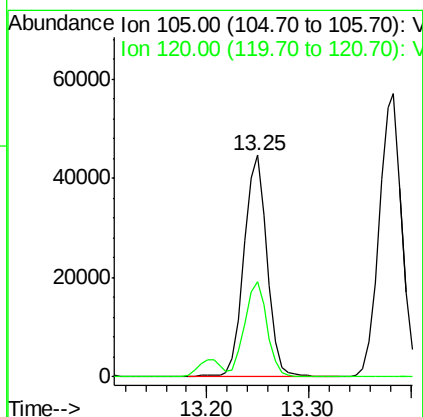
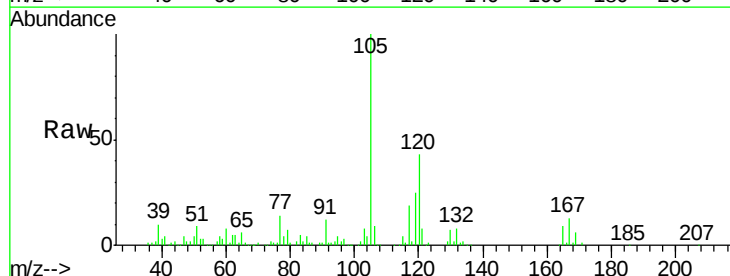
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

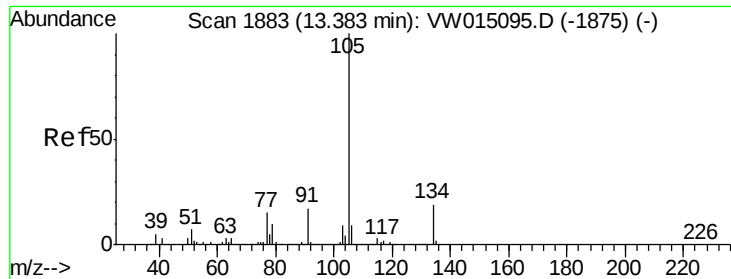
Tgt Ion:119 Resp: 56877
 Ion Ratio Lower Upper
 119 100
 91 74.4 35.7 107.1
 134 24.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 3.69 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion:105 Resp: 70258
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.1 66.3

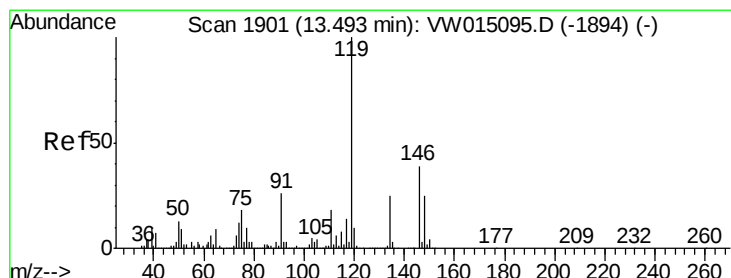
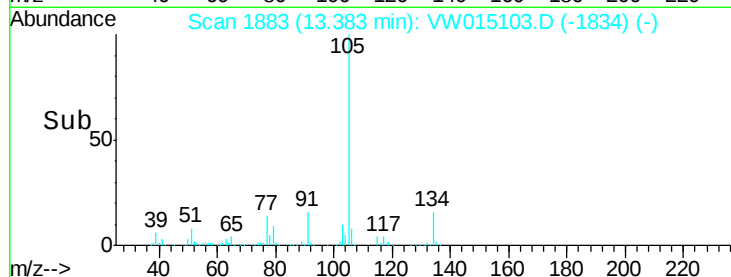
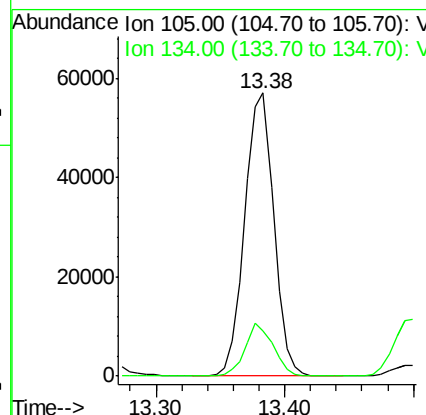
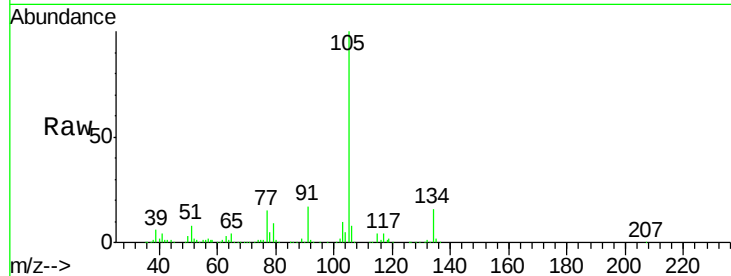




#85
 sec-Butylbenzene
 Concen: 3.81 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

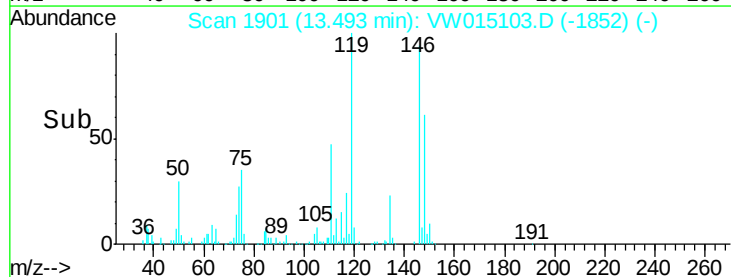
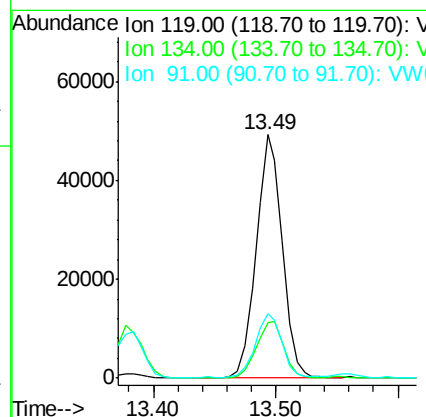
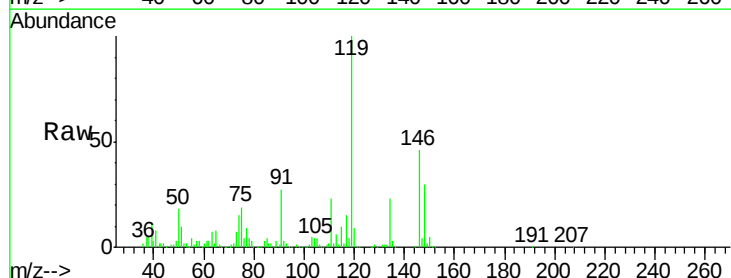
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

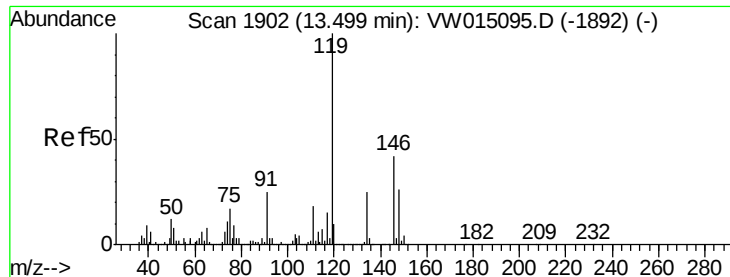
Tgt Ion:105 Resp: 89010
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 3.65 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion:119 Resp: 73227
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.6 37.8
 91 27.3 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 4.16 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

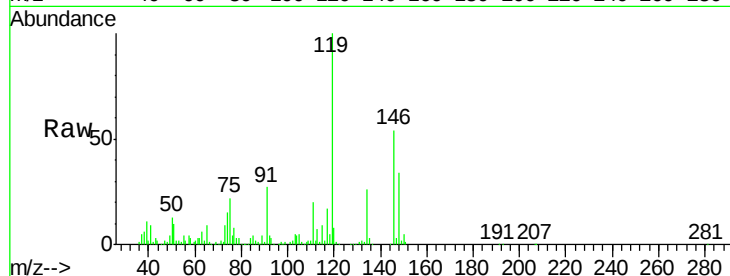
Tgt Ion:146 Resp: 38648

Ion Ratio Lower Upper

146 100

111 44.3 22.5 67.5

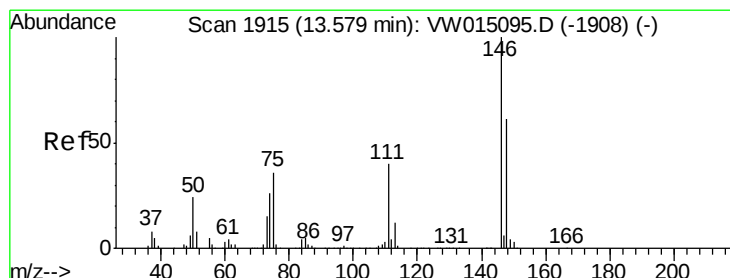
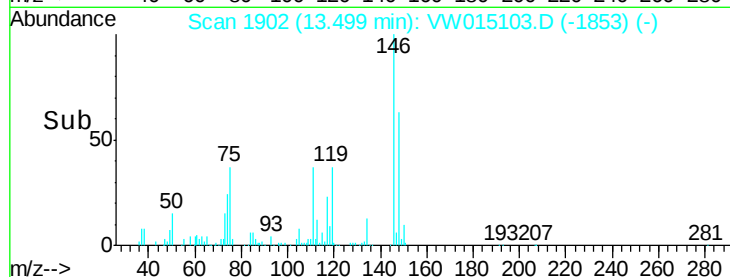
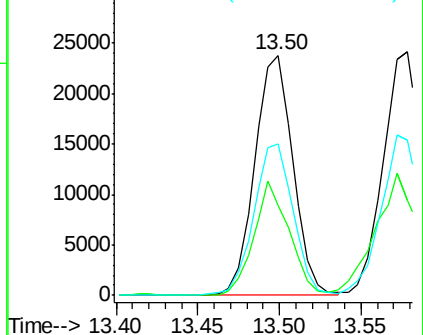
148 65.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.35 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

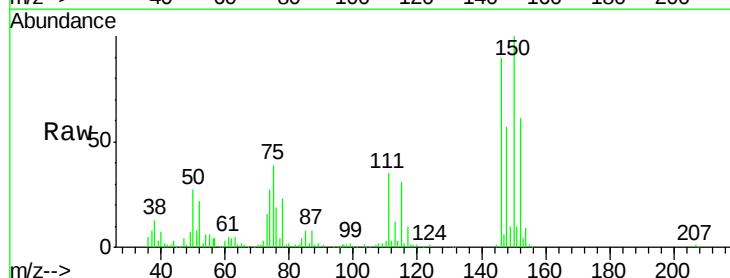
Tgt Ion:146 Resp: 39805

Ion Ratio Lower Upper

146 100

111 54.6 21.3 63.9

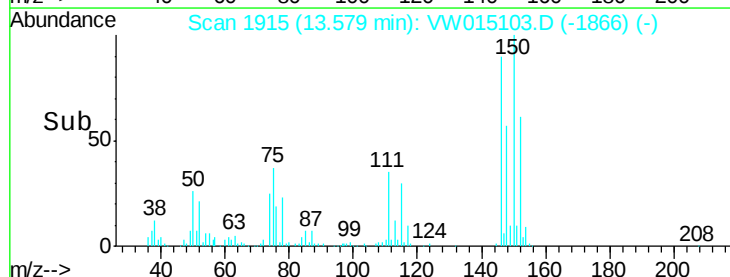
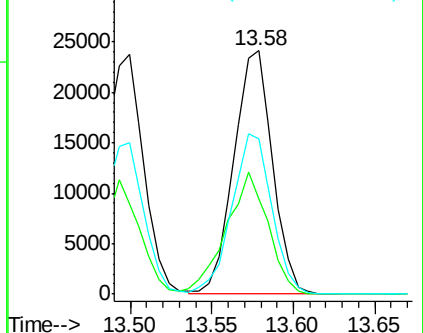
148 68.0 31.6 94.8

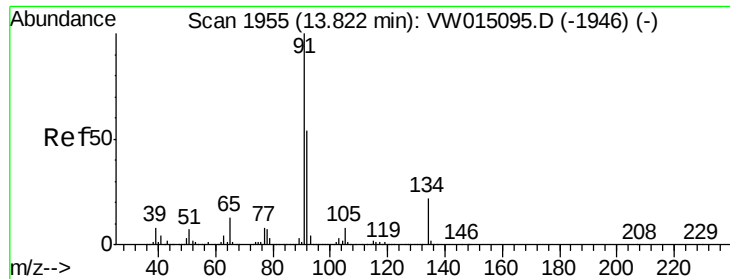


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 3.71 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

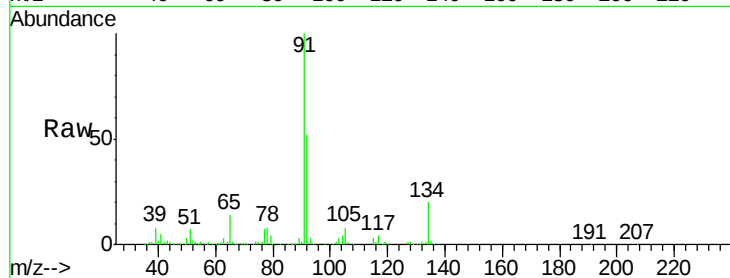
Tgt Ion: 91 Resp: 80435

Ion Ratio Lower Upper

91 100

92 51.4 26.8 80.3

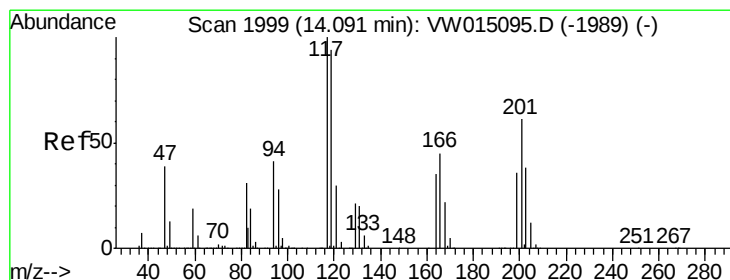
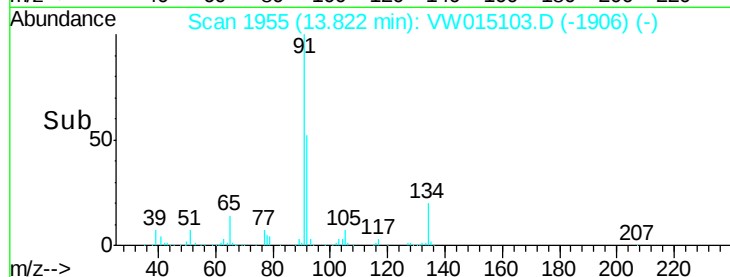
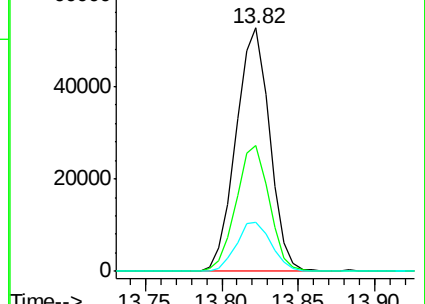
134 21.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.18 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015103.D

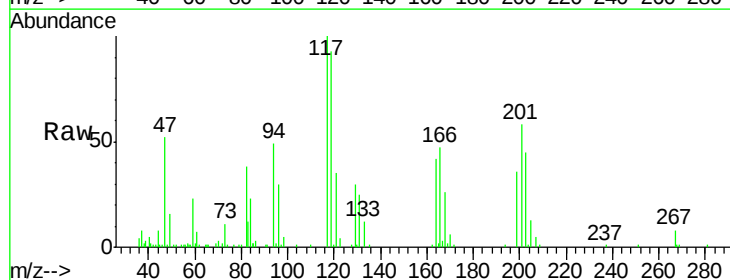
Acq: 09 Mar 2020 17:49

Tgt Ion: 117 Resp: 16821

Ion Ratio Lower Upper

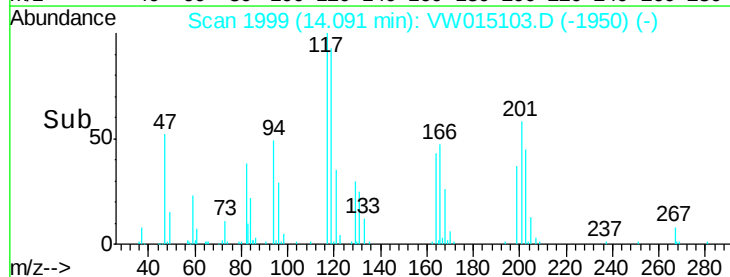
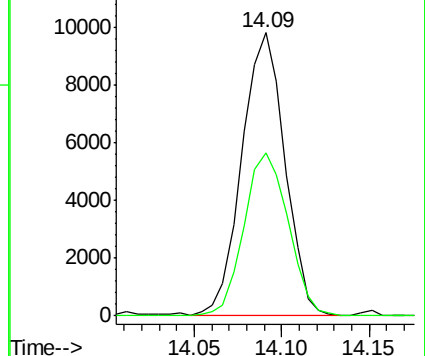
117 100

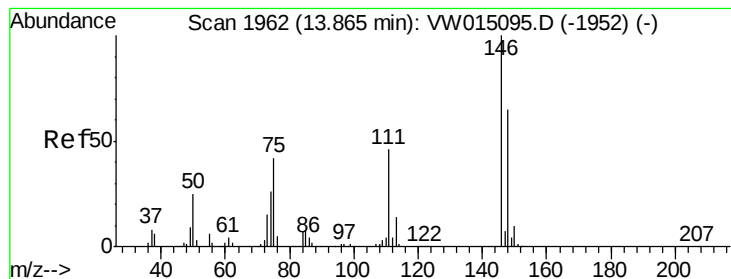
201 59.2 30.3 90.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 4.11 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

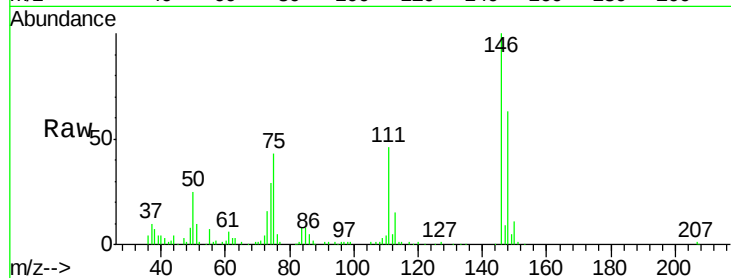
Tgt Ion:146 Resp: 33386

Ion Ratio Lower Upper

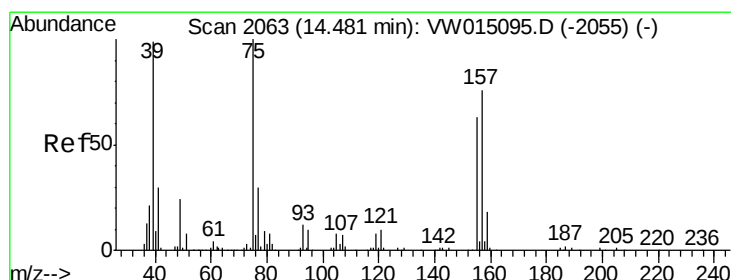
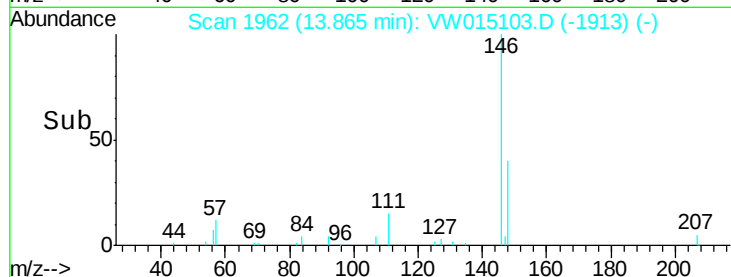
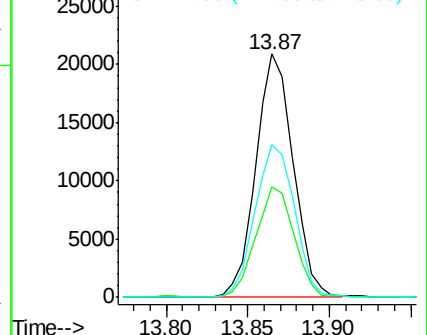
146 100

111 46.9 23.1 69.2

148 66.3 32.3 96.9



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: 4.63 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015103.D

Acq: 09 Mar 2020 17:49

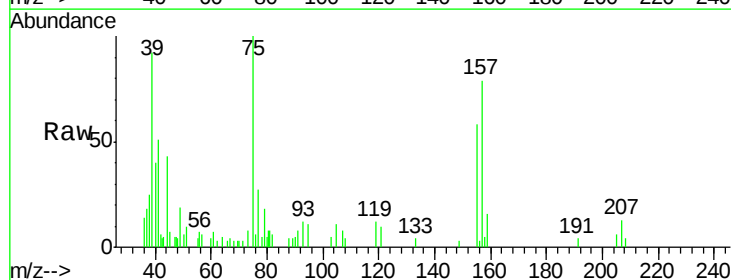
Tgt Ion: 75 Resp: 3344

Ion Ratio Lower Upper

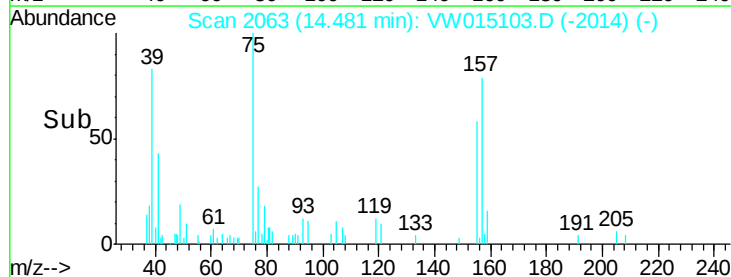
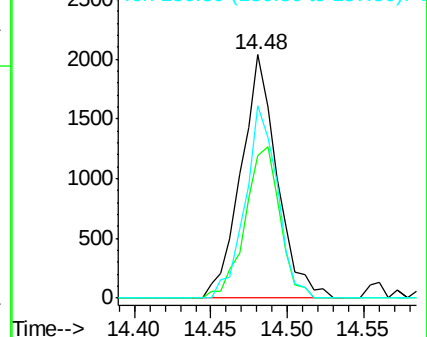
75 100

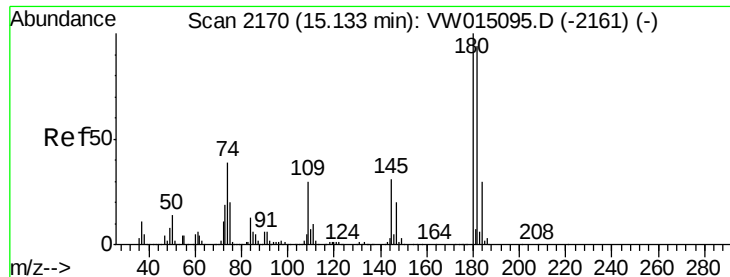
155 59.8 32.1 96.3

157 70.0 39.6 118.7



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

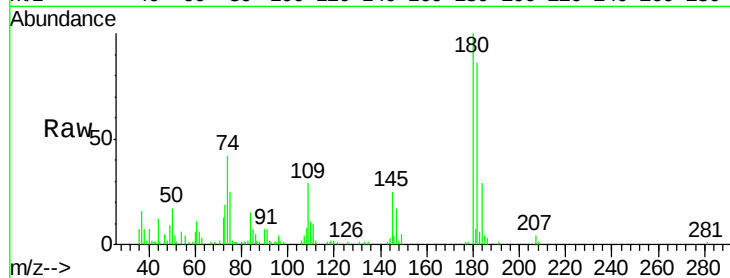




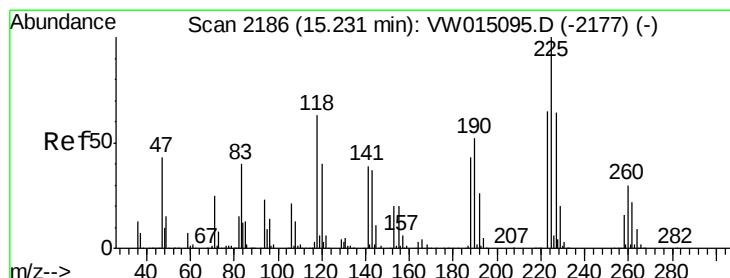
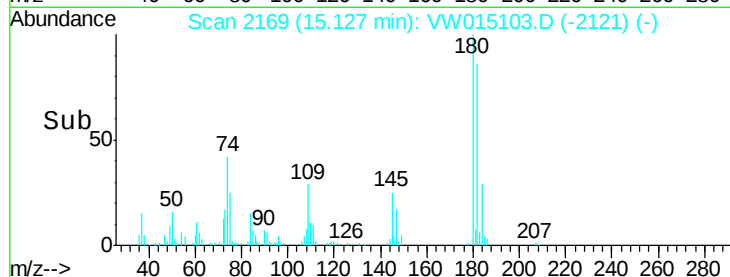
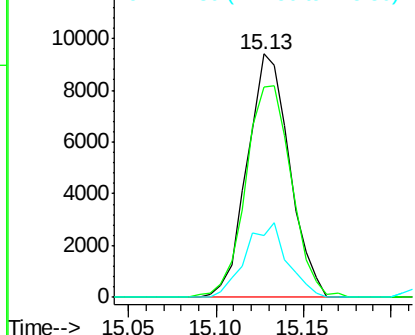
#93
 1,2,4-Trichlorobenzene
 Concen: 3.40 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:180 Resp: 15807
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.6 142.9
 145 30.0 16.2 48.5

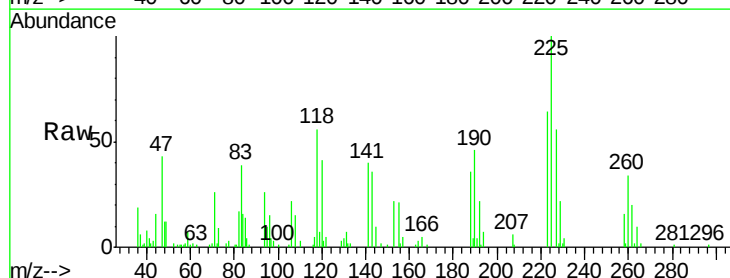


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

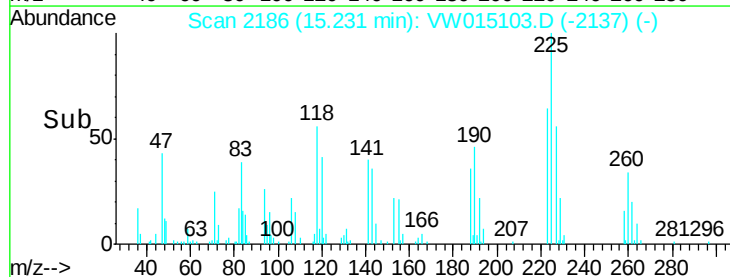
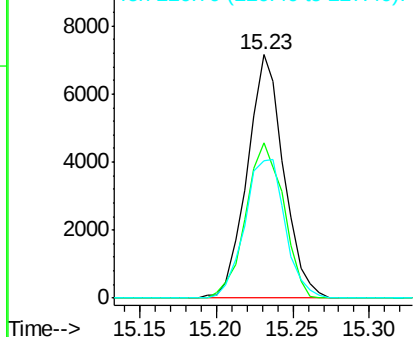


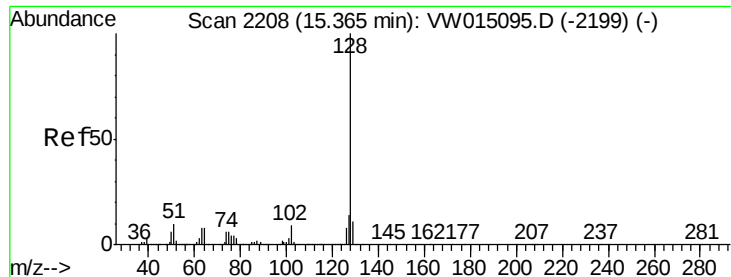
#94
 Hexachlorobutadiene
 Concen: 4.05 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW015103.D
 Acq: 09 Mar 2020 17:49

Tgt Ion:225 Resp: 11827
 Ion Ratio Lower Upper
 225 100
 223 66.2 32.5 97.4
 227 63.0 33.0 99.0



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

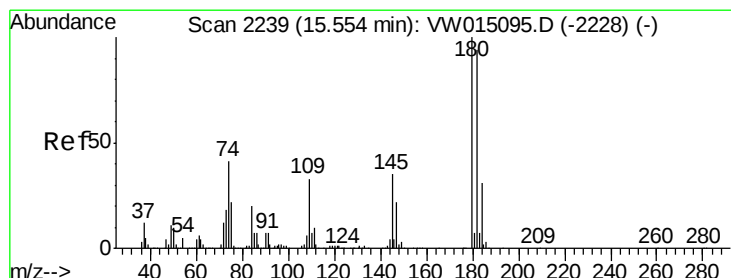
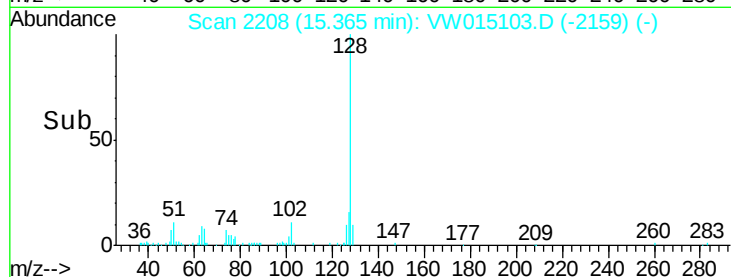
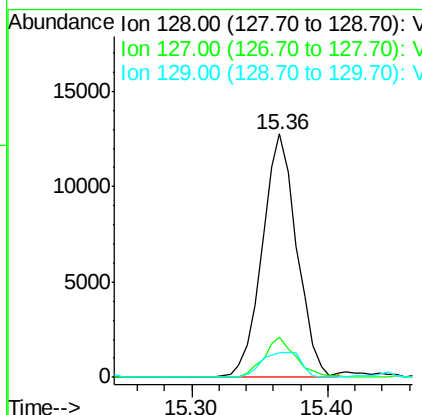
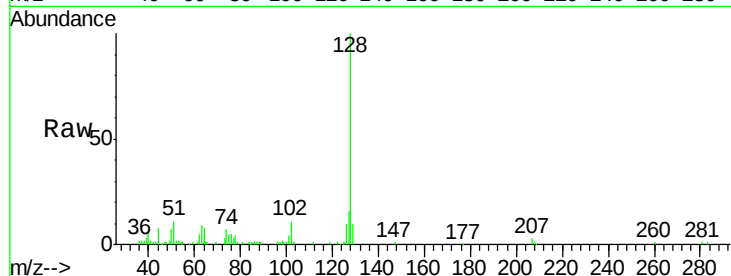




#95
Naphthalene
Concen: 2.62 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:128 Resp: 22803
Ion Ratio Lower Upper
128 100
127 15.0 10.7 16.1
129 11.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.43 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015103.D
Acq: 09 Mar 2020 17:49

Tgt Ion:180 Resp: 14143
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.7
145 35.2 17.5 52.6

