

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015102.D
 Acq On : 09 Mar 2020 17:23
 Operator : SY/VA
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 10 18:29:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	399760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	775922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	679976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	286159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	333560	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
35) Dibromofluoromethane	7.88	113	243971	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.32	98	1013316	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.62	95	324304	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5466	2.25	ug/l	96
3) Chloromethane	2.21	50	16310	3.14	ug/l	91
4) Vinyl Chloride	2.36	62	17500	2.57	ug/l	99
5) Bromomethane	2.78	94	10784	2.77	ug/l	84
6) Chloroethane	2.93	64	10037	2.54	ug/l	93
7) Trichlorofluoromethane	3.26	101	9337	2.74	ug/l	95
8) Diethyl Ether	3.69	74	7100	2.73	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14515	2.79	ug/l	99
10) Methyl Iodide	4.27	142	14378	2.49	ug/l	96
11) Tert butyl alcohol	5.15	59	11350	33.60	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	13727	2.70	ug/l	84
13) Acrolein	3.89	56	7733	15.65	ug/l	98
14) Allyl chloride	4.67	41	26499	2.60	ug/l	99
15) Acrylonitrile	5.37	53	19408	14.58	ug/l	98
16) Acetone	4.12	43	26768	19.97	ug/l	99
17) Carbon Disulfide	4.39	76	46740	2.60	ug/l	95
18) Methyl Acetate	4.67	43	10033	3.16	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	18750	2.88	ug/l	93
20) Methylene Chloride	4.91	84	31488	5.07	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	15010	2.78	ug/l	85
22) Diisopropyl ether	6.31	45	44591	2.28	ug/l #	88
23) Vinyl Acetate	6.25	43	133055	11.54	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30872	2.71	ug/l	99
25) 2-Butanone	7.18	43	29671	16.15	ug/l	97
26) 2,2-Dichloropropane	7.16	77	23559	3.62	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	14798	2.64	ug/l	82
28) Bromochloromethane	7.51	49	14600	2.68	ug/l #	98
29) Tetrahydrofuran	7.52	42	15082	13.12	ug/l	99
30) Chloroform	7.68	83	28632	2.83	ug/l	97
31) Cyclohexane	7.95	56	41242	3.52	ug/l #	72
32) 1,1,1-Trichloroethane	7.87	97	20965	2.66	ug/l	98
36) 1,1-Dichloropropene	8.09	75	22592	2.51	ug/l	98
37) Ethyl Acetate	7.26	43	15485	3.45	ug/l #	95
38) Carbon Tetrachloride	8.06	117	17984	2.46	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24493	2.38	ug/l	98
40) Benzene	8.32	78	66317	2.65	ug/l	99
41) Methacrylonitrile	7.48	41	6327	2.67	ug/l	94
42) 1,2-Dichloroethane	8.40	62	20698	2.72	ug/l	98
43) Isopropyl Acetate	8.43	43	21535	2.68	ug/l	98
44) Trichloroethene	9.09	130	13347	2.51	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16976	2.52	ug/l	99
46) Dibromomethane	9.46	93	8064	2.75	ug/l	98
47) Bromodichloromethane	9.64	83	18998	2.43	ug/l	98
48) Methyl methacrylate	9.43	41	8104	2.18	ug/l #	85
49) 1,4-Dioxane	9.44	88	2288	51.03	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	60750	13.68	ug/l	98
52) Toluene	10.38	92	37115	2.58	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	18427	2.40	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	21650	2.31	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10882	2.71	ug/l	97
56) Ethyl methacrylate	10.65	69	11521	2.23	ug/l	95
57) 1,3-Dichloropropane	10.93	76	19187	2.51	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.92	63	35026	11.53	ug/l	97
59) 2-Hexanone	10.97	43	31766	11.45	ug/l	98
60) Dibromochloromethane	11.12	129	10108	2.44	ug/l	96
61) 1,2-Dibromoethane	11.23	107	9634	2.71	ug/l	97
64) Tetrachloroethene	10.86	164	10222	2.60	ug/l	93
65) Chlorobenzene	11.66	112	34692	2.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	11214	2.47	ug/l	95
67) Ethyl Benzene	11.73	91	63913	2.41	ug/l	97
68) m/p-Xylenes	11.84	106	41839	4.46	ug/l	100
69) o-Xylene	12.16	106	18878	2.23	ug/l	98
70) Styrene	12.18	104	29902	2.06	ug/l	99
71) Bromoform	12.35	173	5039	2.50	ug/l #	99
73) Isopropylbenzene	12.46	105	48568	2.22	ug/l	99
74) N-amyl acetate	12.27	43	14447	2.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14053	3.17	ug/l	95
76) 1,2,3-Trichloropropane	12.76	75	16535	5.11	ug/l #	100
77) Bromobenzene	12.74	156	11997	2.78	ug/l	96
78) n-propylbenzene	12.80	91	72310	2.55	ug/l	97
79) 2-Chlorotoluene	12.89	91	41720	2.61	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	43840	2.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	189617	132.42	ug/l #	7
82) 4-Chlorotoluene	12.99	91	43170	2.54	ug/l	98
83) tert-Butylbenzene	13.21	119	35616	2.34	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	41954	2.23	ug/l	96
85) sec-Butylbenzene	13.38	105	53396	2.32	ug/l	97
86) p-Isopropyltoluene	13.49	119	43613	2.20	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	24013	2.62	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	25792	2.86	ug/l	87
89) n-Butylbenzene	13.82	91	49083	2.30	ug/l	97
90) Hexachloroethane	14.08	117	10730	2.70	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	21486	2.68	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2094	2.94	ug/l	94

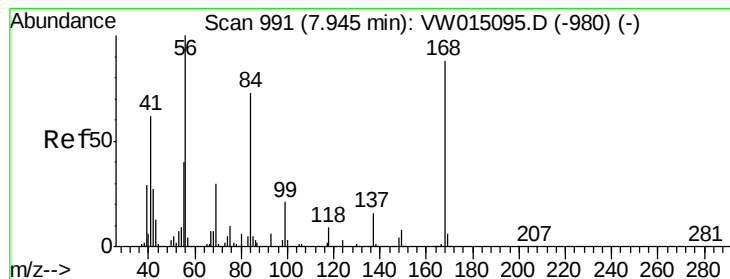
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
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Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:51:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	9420	2.05	ug/l	99
94) Hexachlorobutadiene	15.24	225	7294	2.53	ug/l	98
95) Naphthalene	15.36	128	13973	1.63	ug/l	96
96) 1,2,3-Trichlorobenzene	15.55	180	8726	2.14	ug/l	98

(#) = 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: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

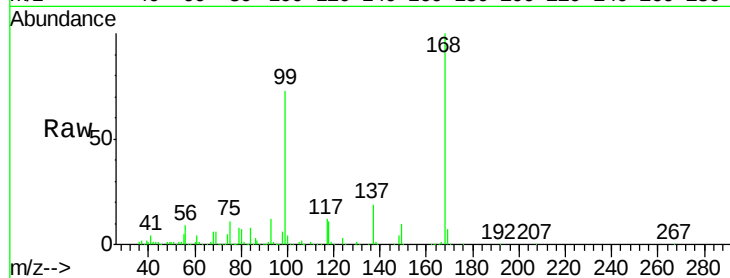
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:168 Resp: 399760

Ion Ratio Lower Upper

168 100

99 73.0 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

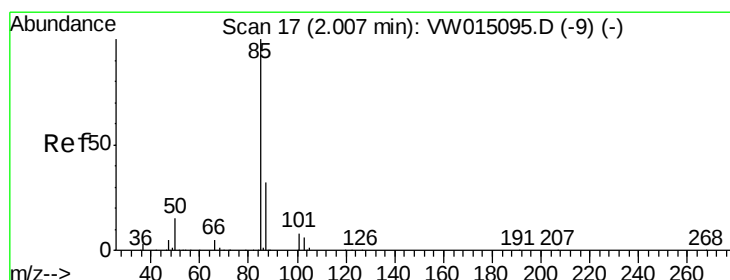
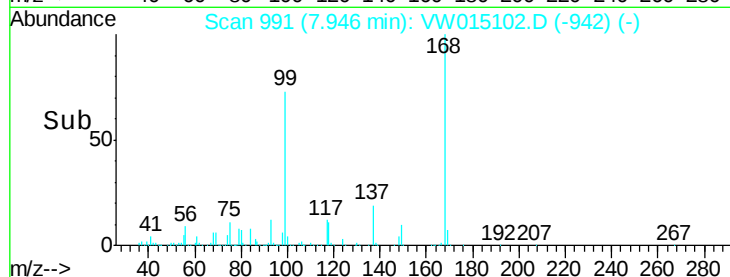
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.25 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015102.D

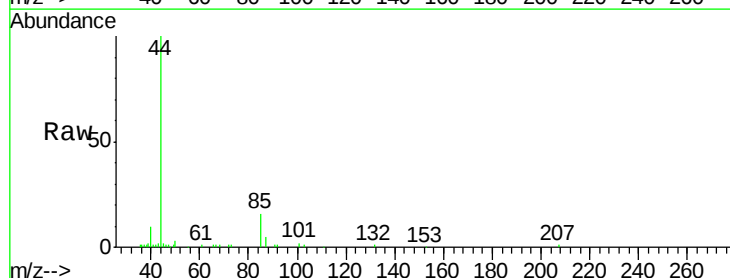
Acq: 09 Mar 2020 17:23

Tgt Ion: 85 Resp: 5466

Ion Ratio Lower Upper

85 100

87 29.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2000

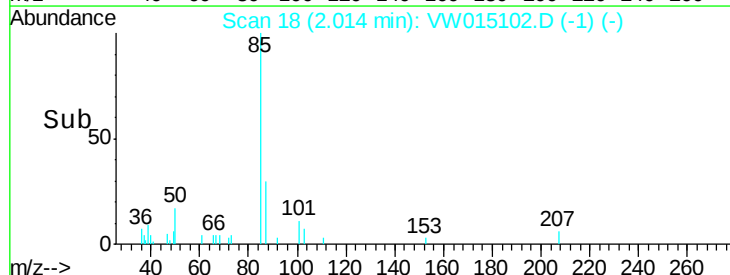
1500

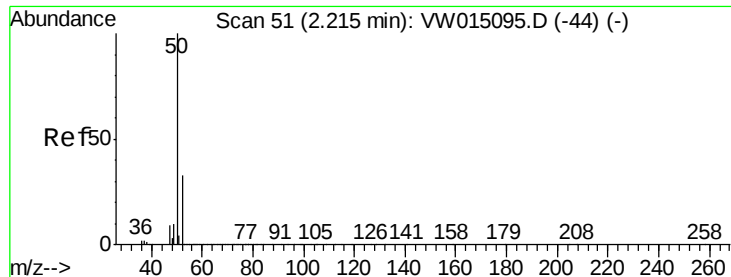
1000

500

0

Time-->





#3

Chloromethane

Concen: 3.14 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

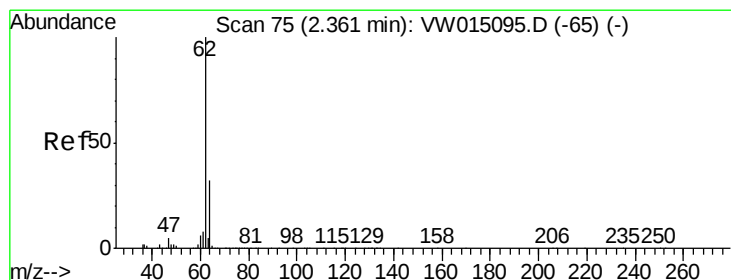
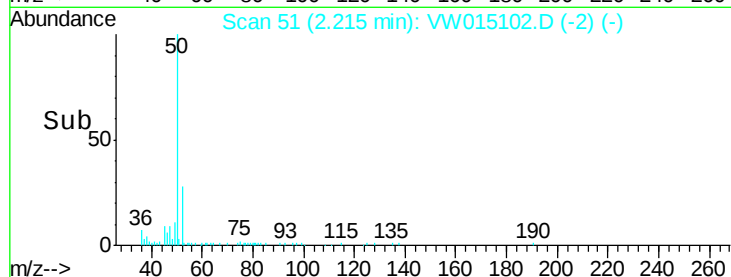
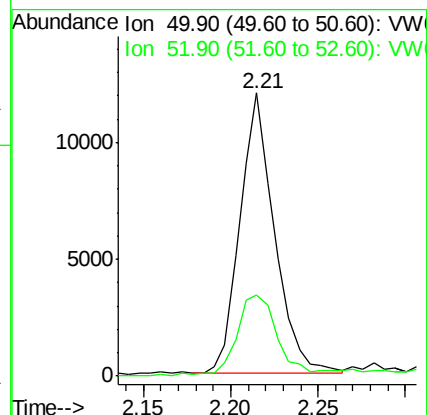
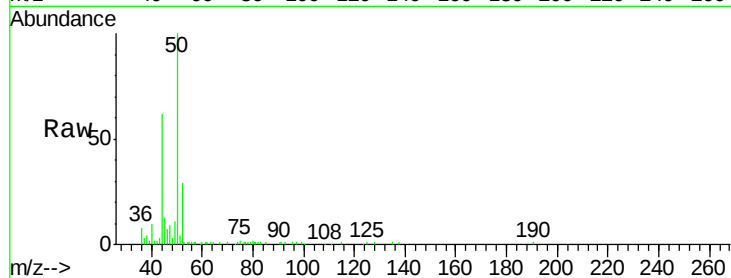
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 50 Resp: 16310

Ion Ratio Lower Upper

50 100

52 28.3 26.6 40.0



#4

Vinyl Chloride

Concen: 2.57 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015102.D

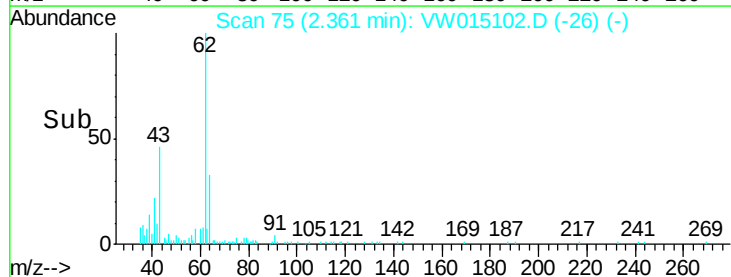
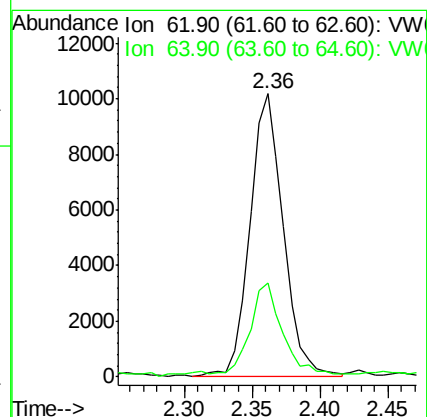
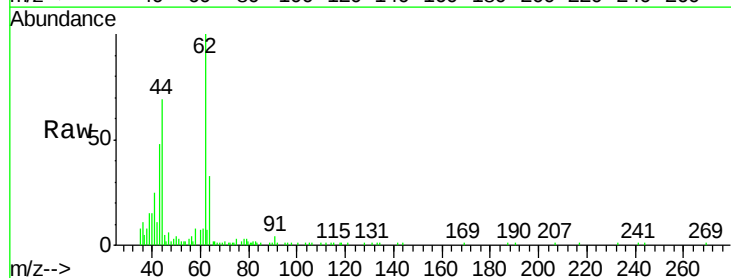
Acq: 09 Mar 2020 17:23

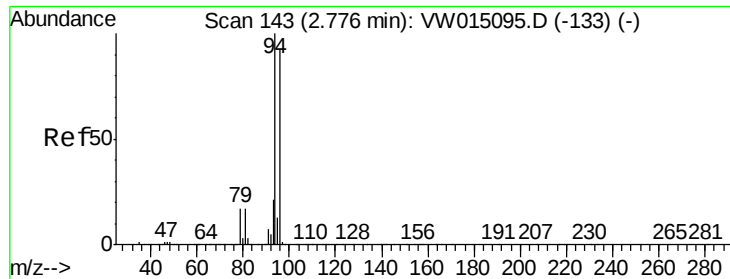
Tgt Ion: 62 Resp: 17500

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 2.77 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

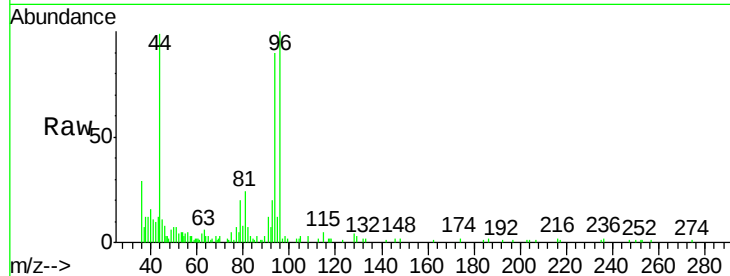
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 94 Resp: 10784

Ion Ratio Lower Upper

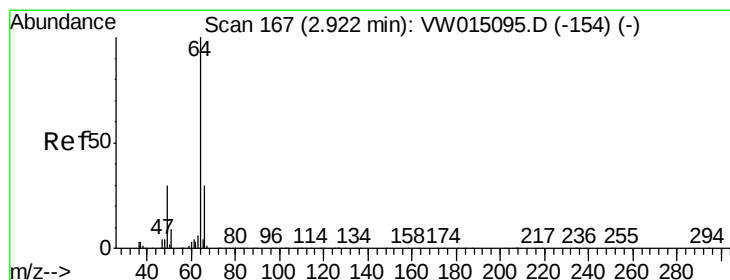
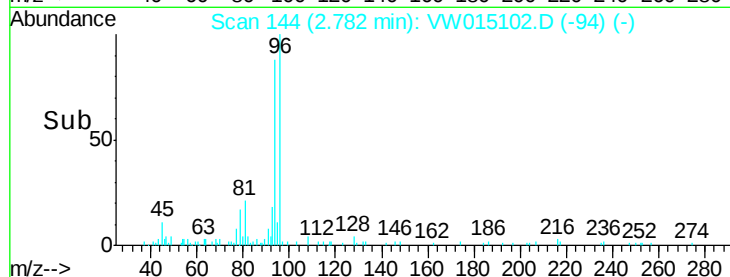
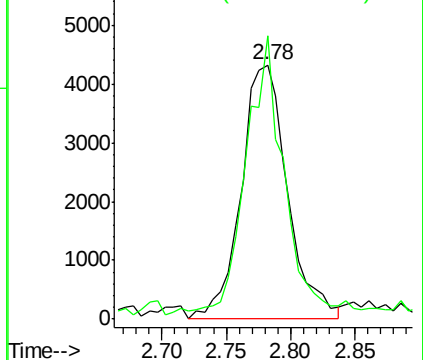
94 100

96 108.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 2.54 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015102.D

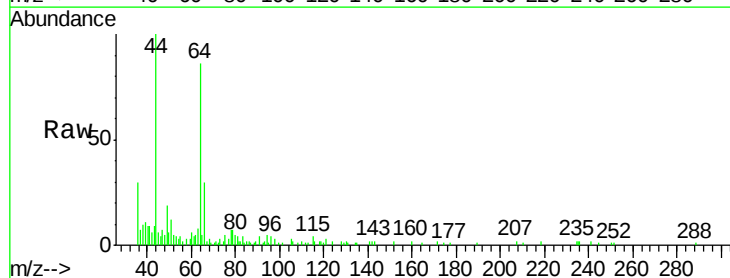
Acq: 09 Mar 2020 17:23

Tgt Ion: 64 Resp: 10037

Ion Ratio Lower Upper

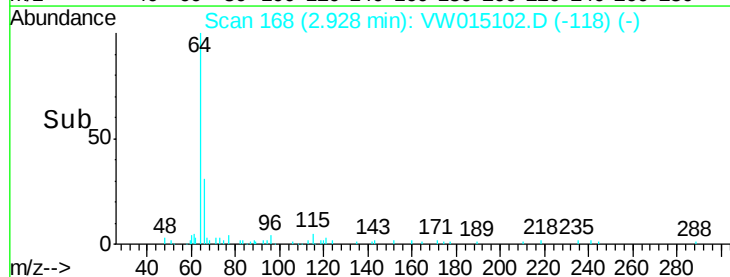
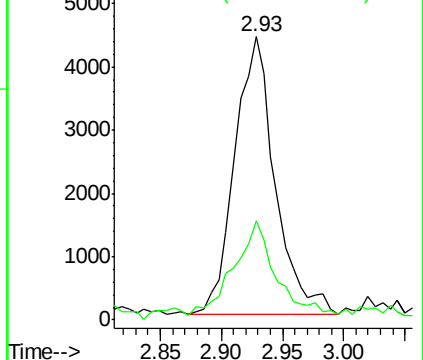
64 100

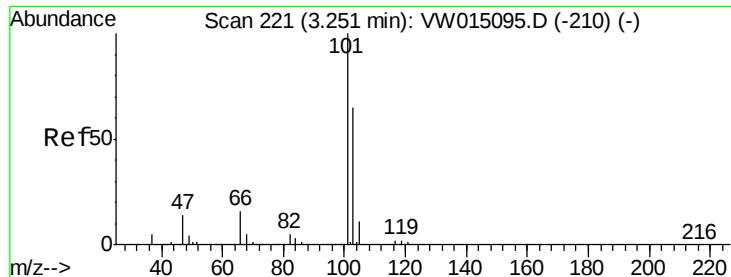
66 33.9 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 2.74 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

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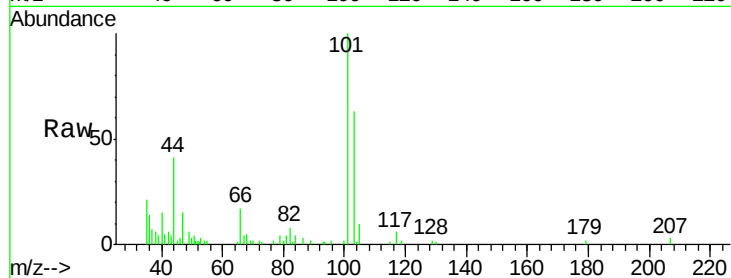
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:101 Resp: 9337

Ion Ratio Lower Upper

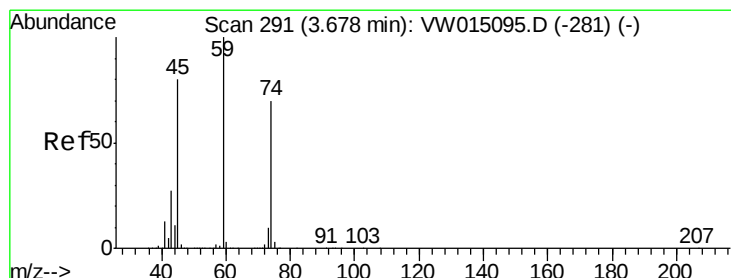
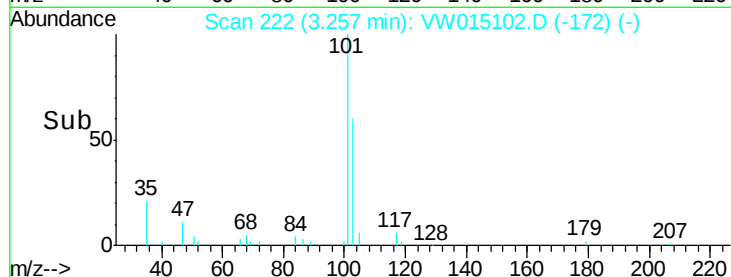
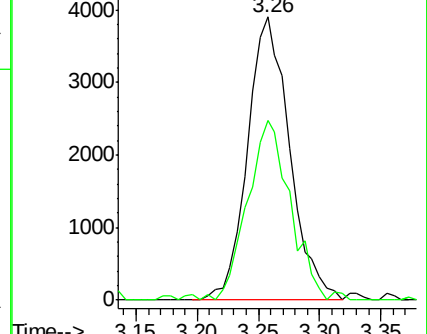
101 100

103 61.1 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: 2.73 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW015102.D

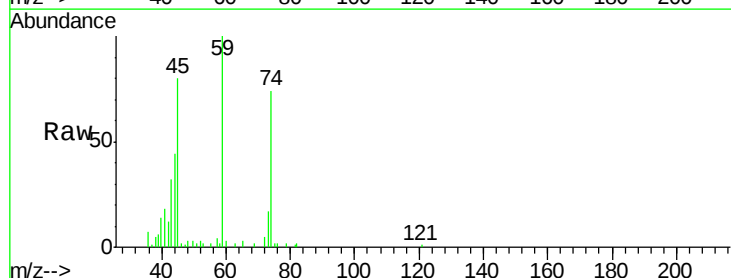
Acq: 09 Mar 2020 17:23

Tgt Ion: 74 Resp: 7100

Ion Ratio Lower Upper

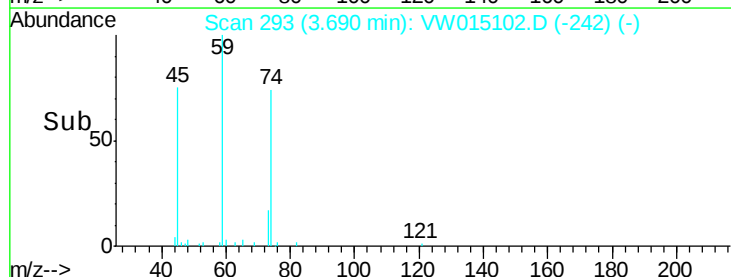
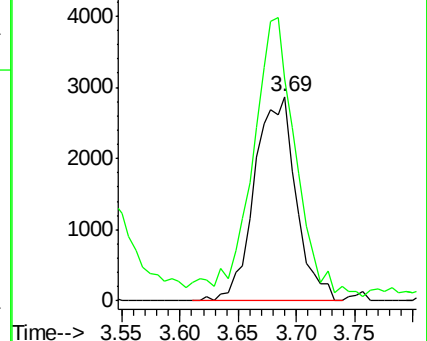
74 100

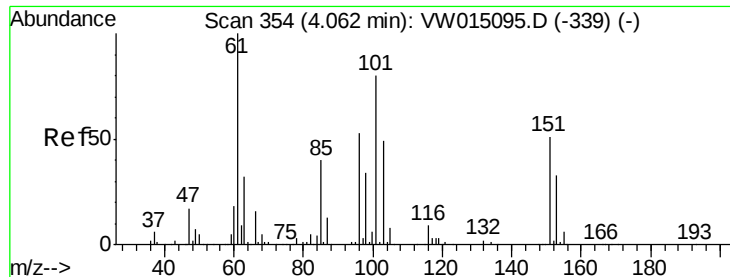
45 144.2 59.2 177.5



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: 2.79 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

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LOD-MDL-SOIL-01-QT1-2020

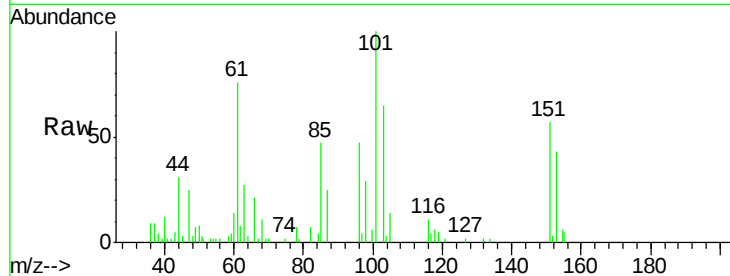
Tgt Ion:101 Resp: 14515

Ion Ratio Lower Upper

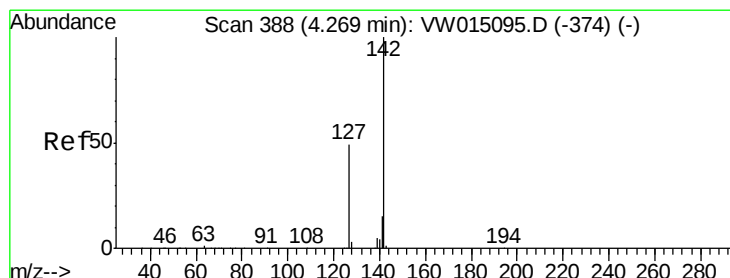
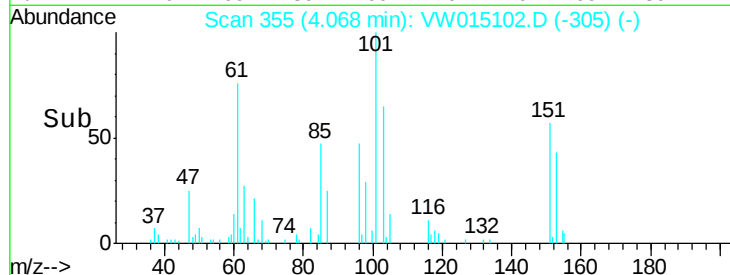
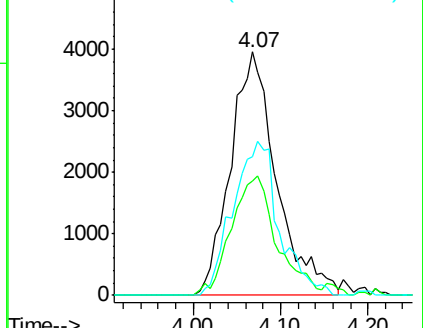
101 100

85 48.0 39.0 58.4

151 63.0 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: 2.49 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

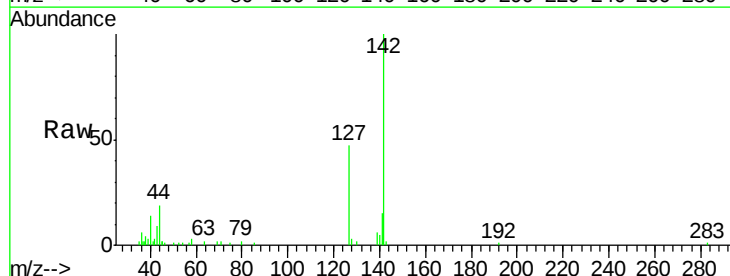
Tgt Ion:142 Resp: 14378

Ion Ratio Lower Upper

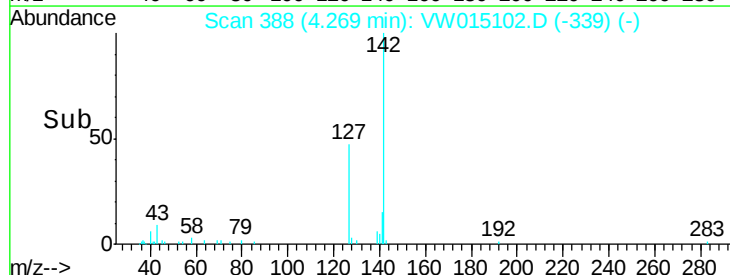
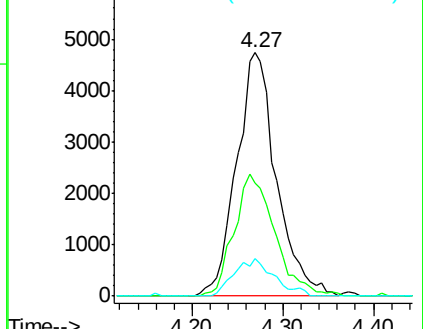
142 100

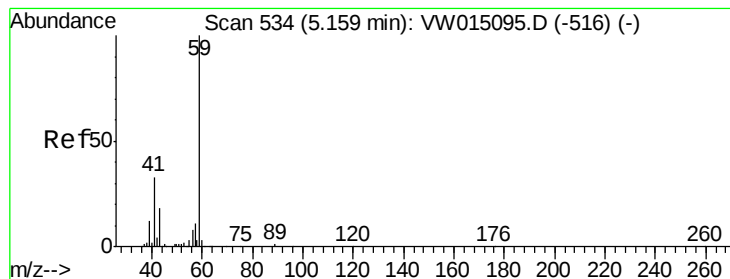
127 51.4 38.2 57.4

141 15.7 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: 33.60 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

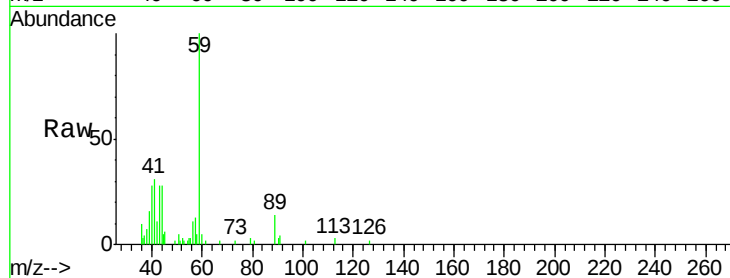
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 59 Resp: 11350

Ion Ratio Lower Upper

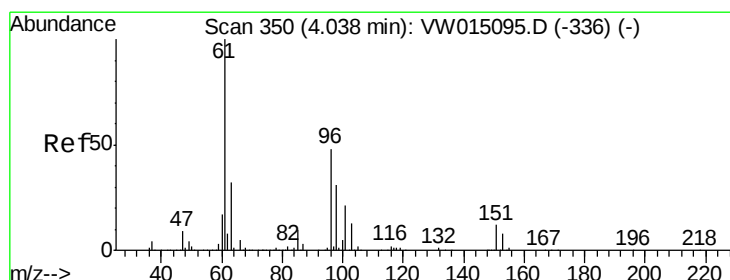
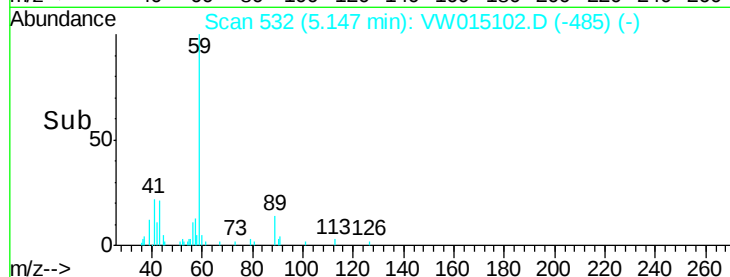
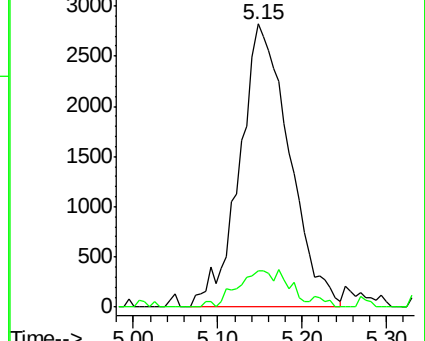
59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 2.70 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

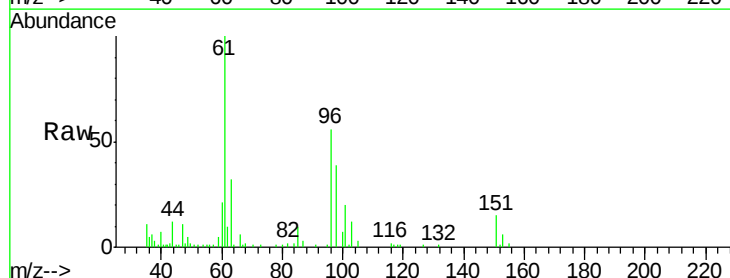
Tgt Ion: 96 Resp: 13727

Ion Ratio Lower Upper

96 100

61 177.5 165.5 248.3

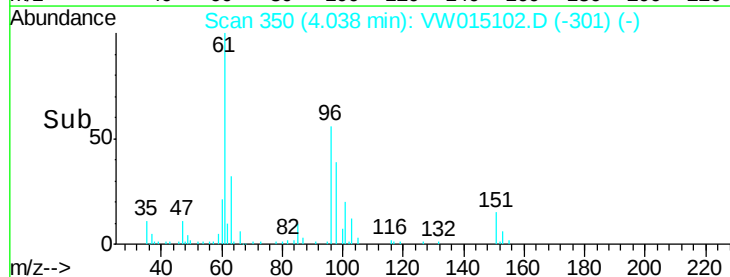
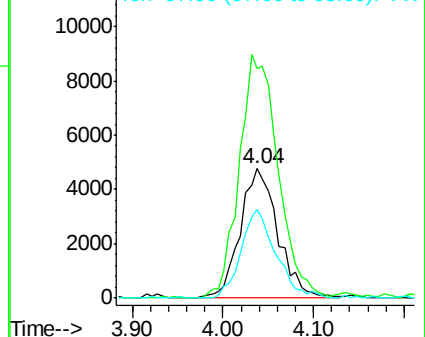
98 68.7 51.1 76.7

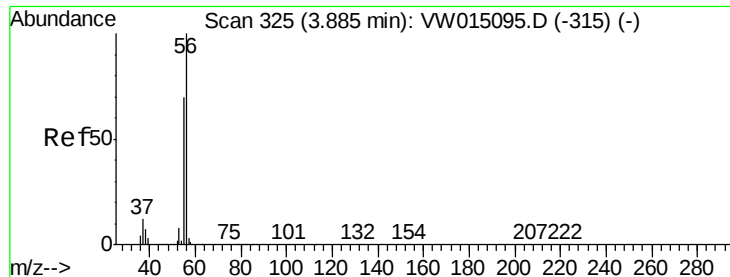


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 15.65 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

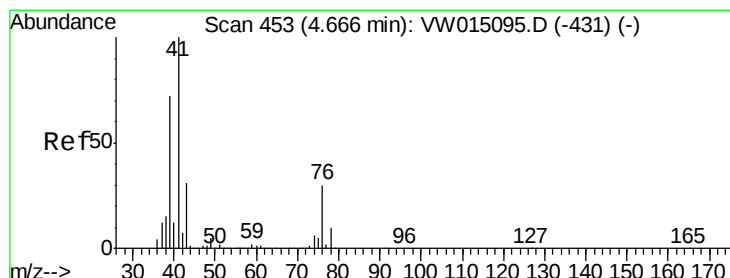
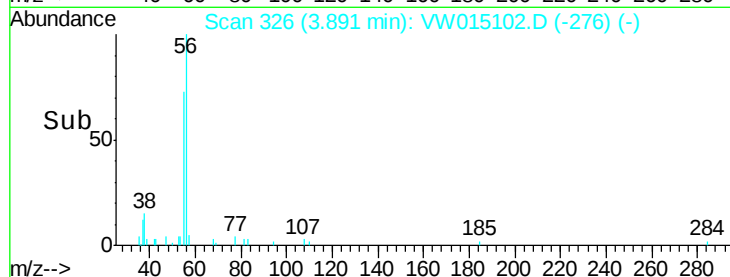
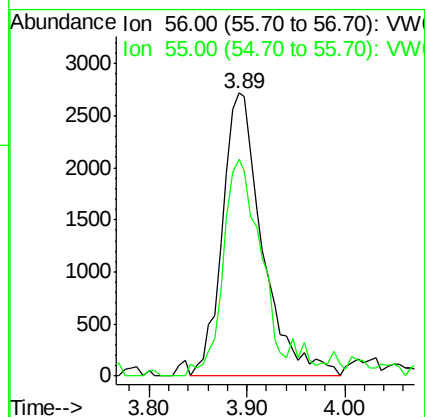
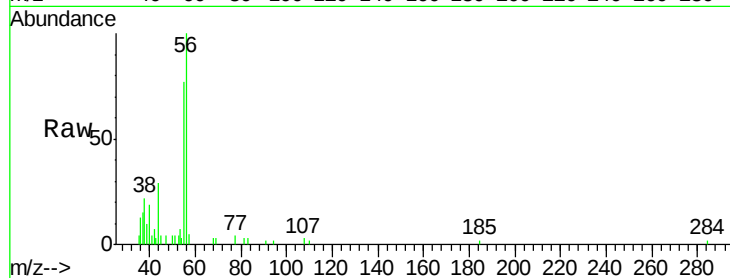
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 56 Resp: 7733

Ion Ratio Lower Upper

56 100

55 71.3 55.4 83.2



#14

Allyl chloride

Concen: 2.60 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

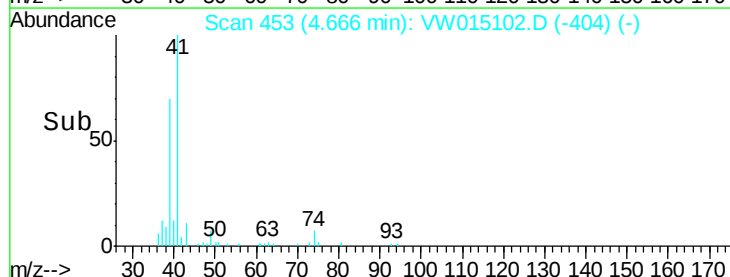
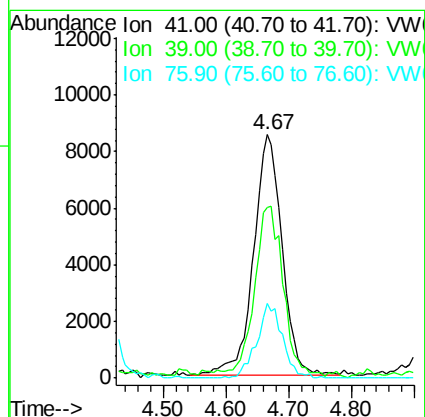
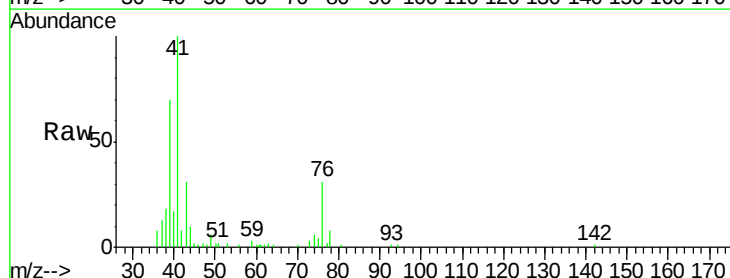
Tgt Ion: 41 Resp: 26499

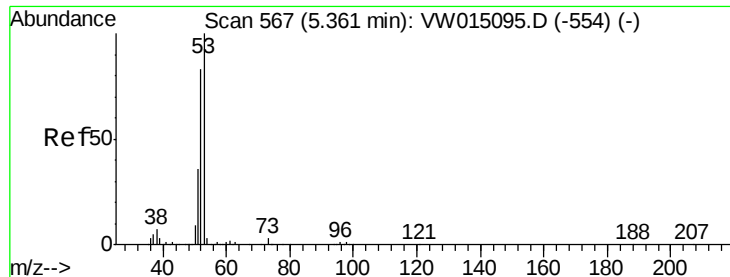
Ion Ratio Lower Upper

41 100

39 71.3 56.9 85.3

76 28.1 23.2 34.8





#15

Acrylonitrile

Concen: 14.58 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

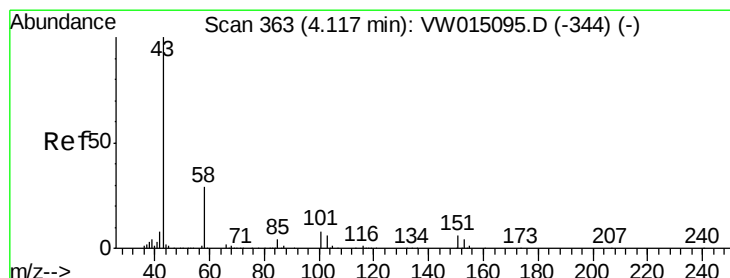
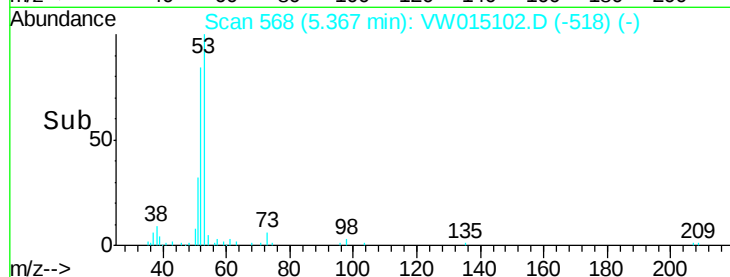
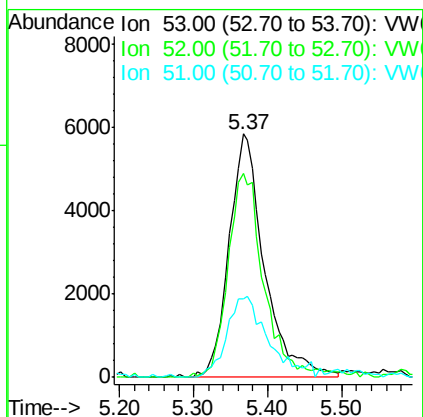
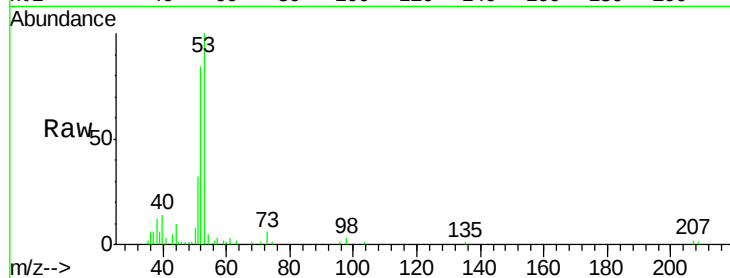
Tgt Ion: 53 Resp: 19408

Ion Ratio Lower Upper

53 100

52 83.3 67.2 100.8

51 39.3 29.8 44.6



#16

Acetone

Concen: 19.97 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015102.D

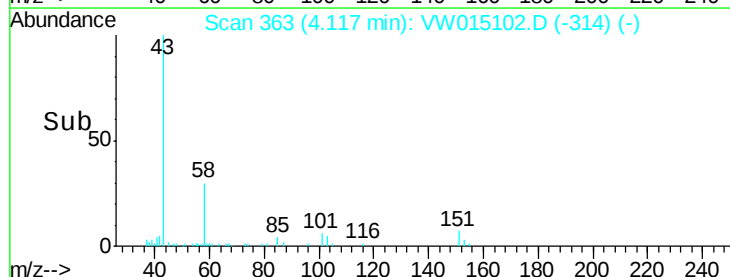
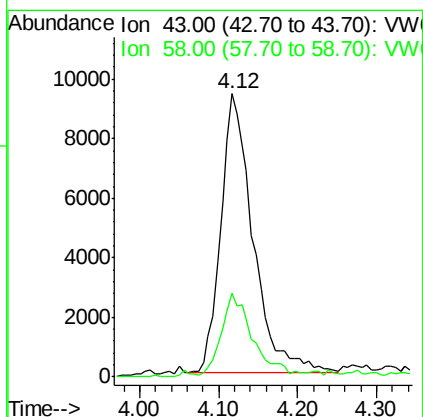
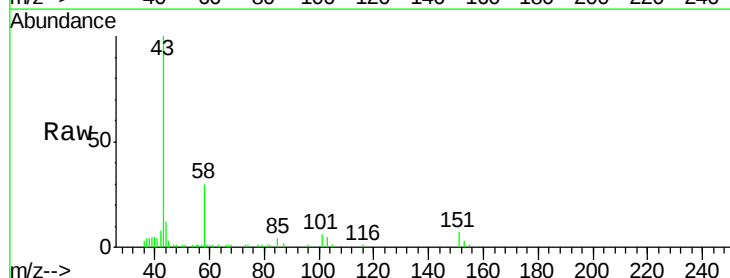
Acq: 09 Mar 2020 17:23

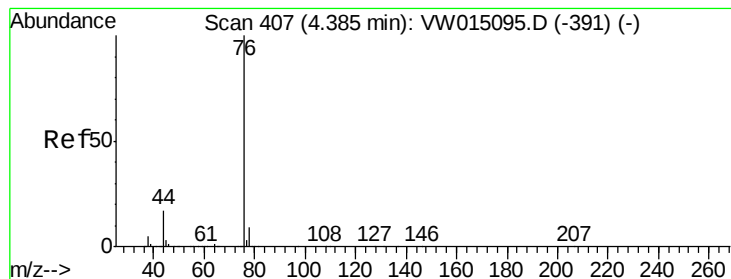
Tgt Ion: 43 Resp: 26768

Ion Ratio Lower Upper

43 100

58 28.9 22.9 34.3





#17

Carbon Disulfide

Concen: 2.60 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

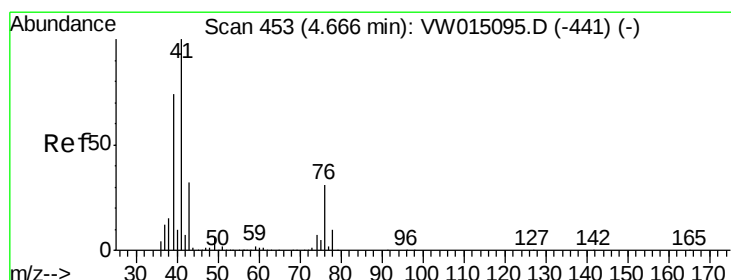
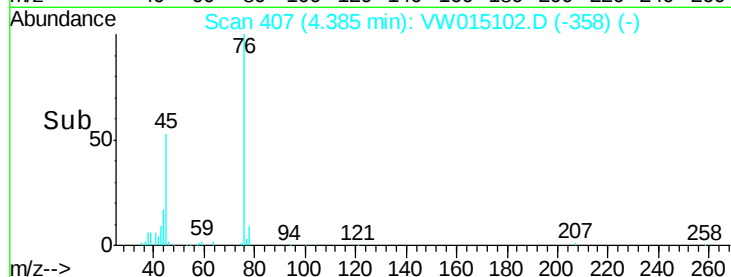
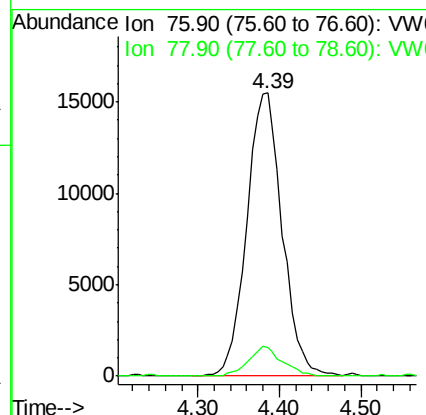
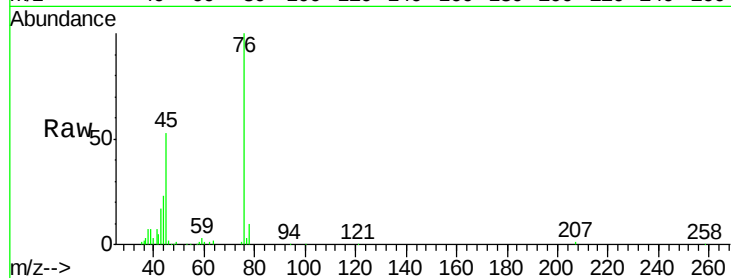
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 76 Resp: 46740

Ion Ratio Lower Upper

76 100

78 10.2 6.9 10.3



#18

Methyl Acetate

Concen: 3.16 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015102.D

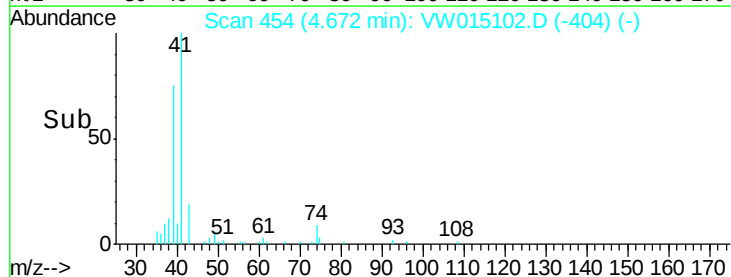
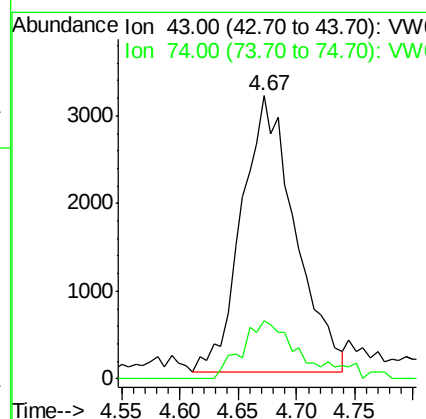
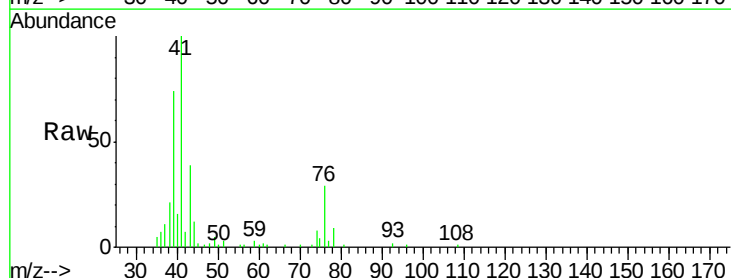
Acq: 09 Mar 2020 17:23

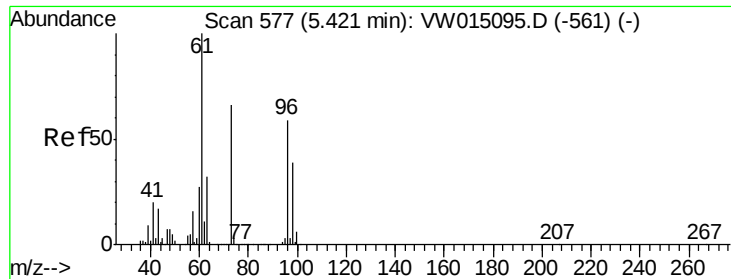
Tgt Ion: 43 Resp: 10033

Ion Ratio Lower Upper

43 100

74 20.1 15.8 23.6

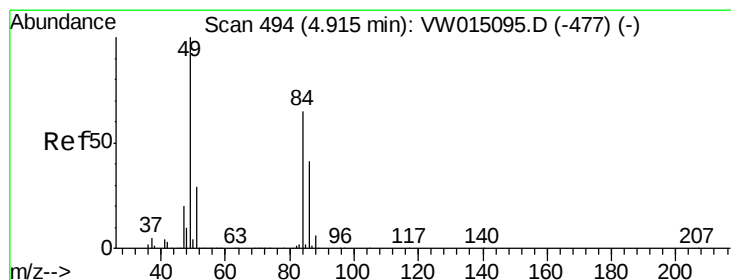
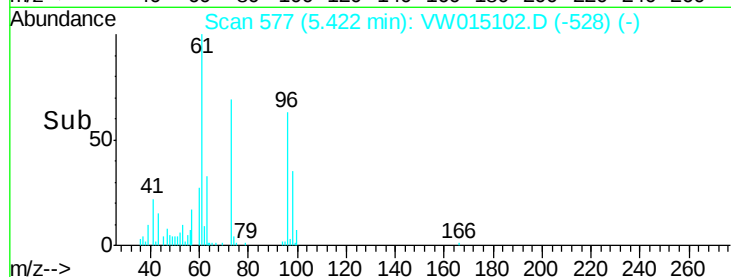
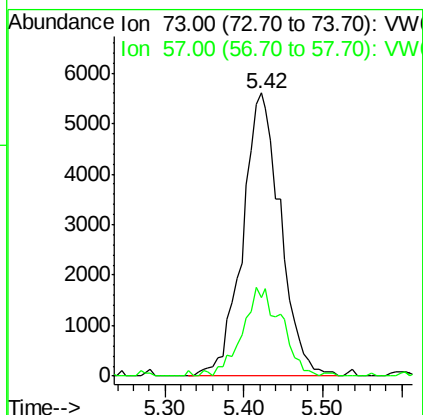
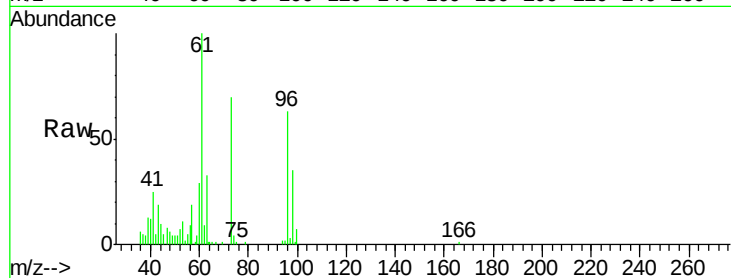




#19
Methyl tert-butyl Ether
Concen: 2.88 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

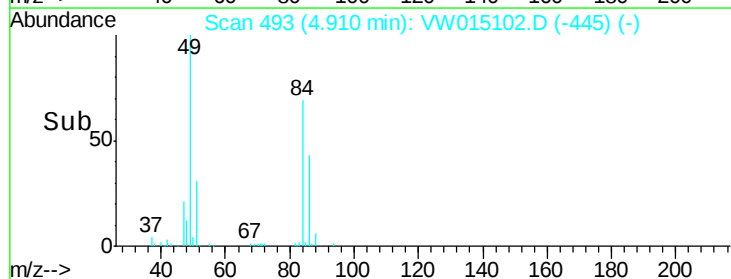
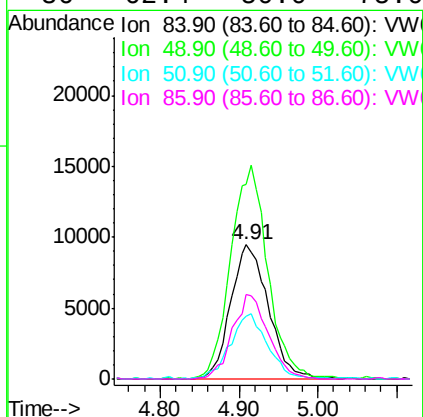
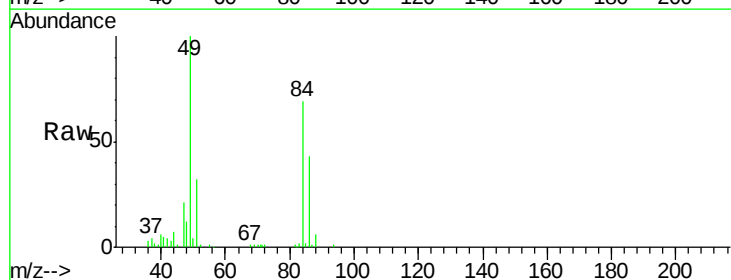
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

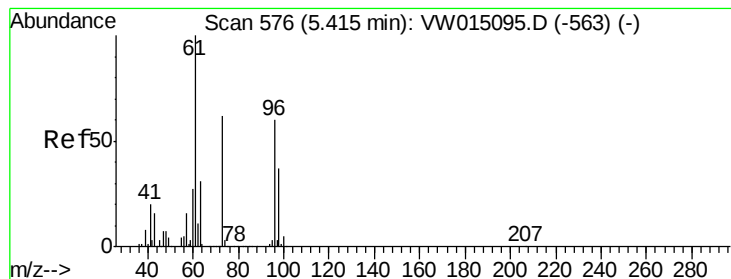
Tgt Ion: 73 Resp: 18750
Ion Ratio Lower Upper
73 100
57 27.8 19.3 28.9



#20
Methylene Chloride
Concen: 5.07 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 84 Resp: 31488
Ion Ratio Lower Upper
84 100
49 145.2 122.8 184.2
51 46.3 35.9 53.9
86 62.4 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 2.78 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

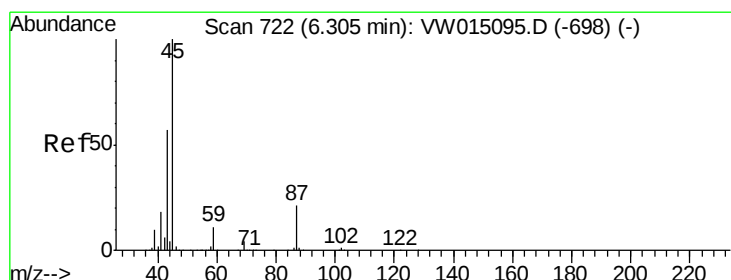
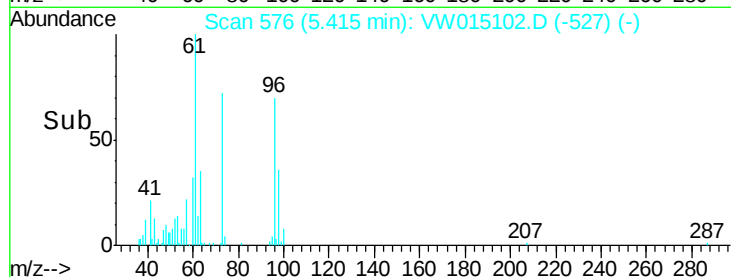
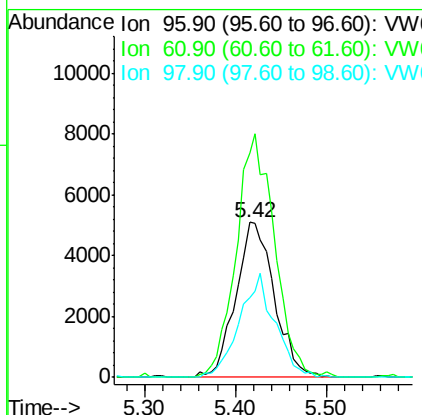
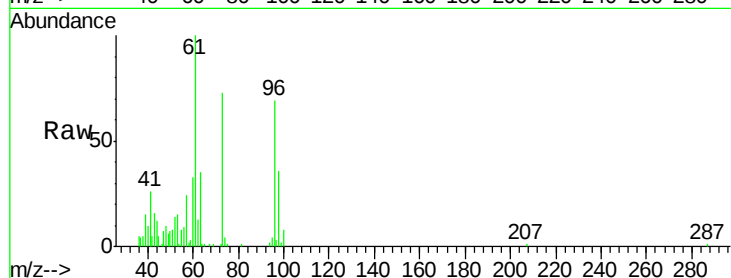
Tgt Ion: 96 Resp: 15010

Ion Ratio Lower Upper

96 100

61 144.6 132.5 198.7

98 51.9 48.9 73.3



#22

Diisopropyl ether

Concen: 2.28 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Tgt Ion: 45 Resp: 44591

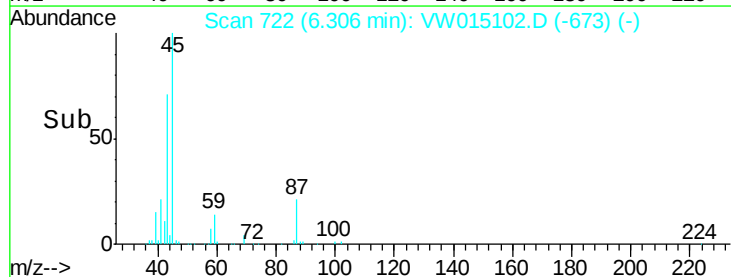
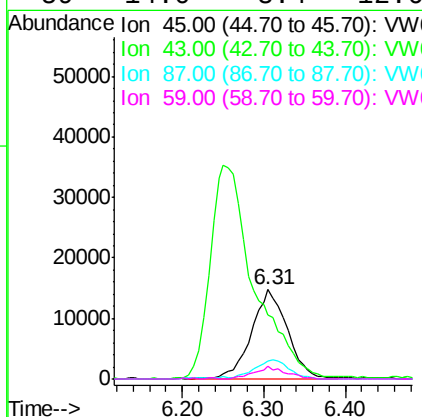
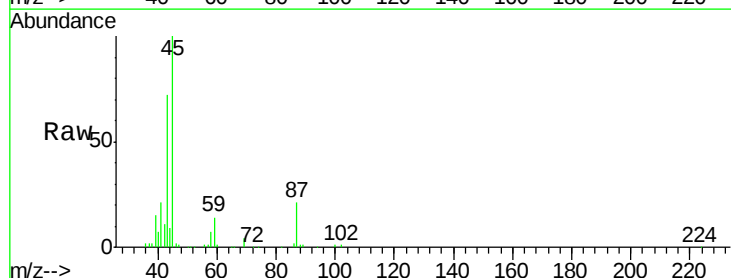
Ion Ratio Lower Upper

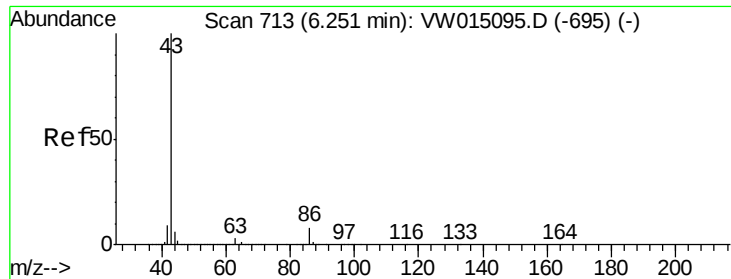
45 100

43 69.1 45.4 68.0#

87 20.6 16.4 24.6

59 14.0 8.4 12.6#

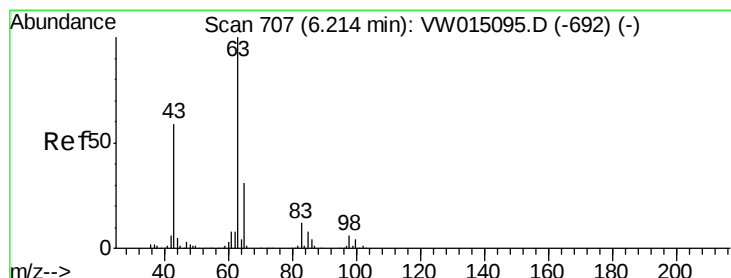
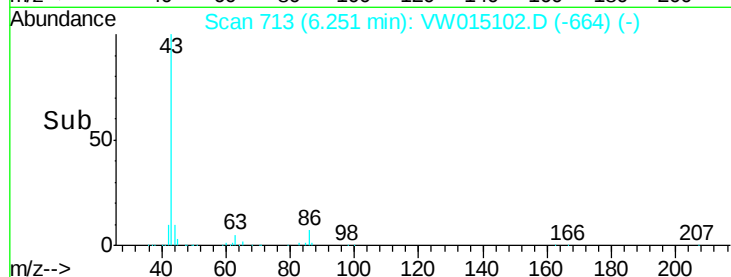
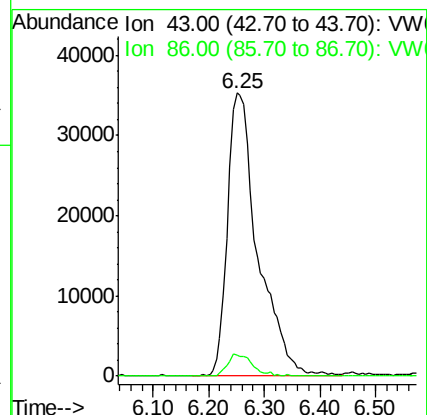
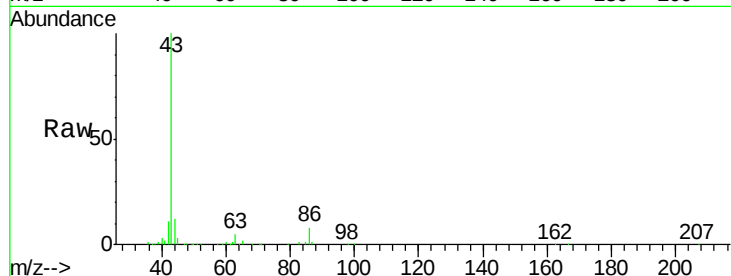




#23
 Vinyl Acetate
 Concen: 11.54 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

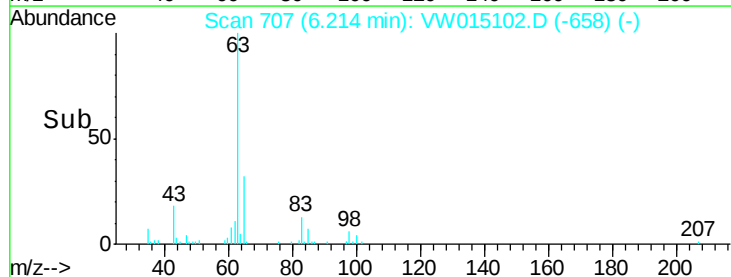
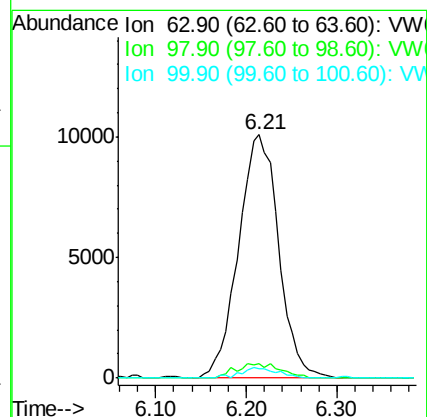
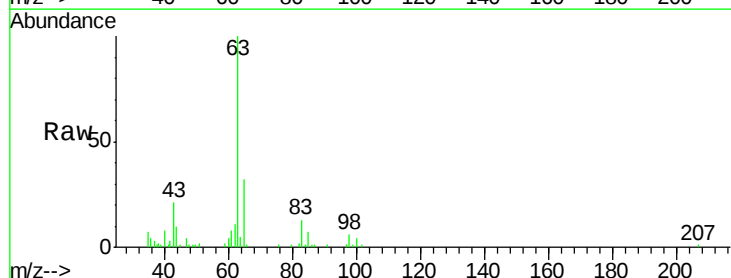
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

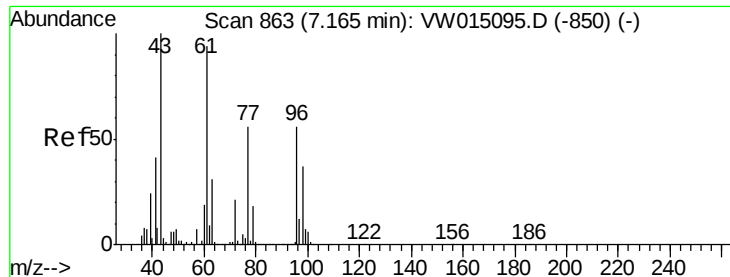
Tgt Ion: 43 Resp: 133055
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 2.71 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 63 Resp: 30872
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.8
 100 3.6 2.1 6.3





#25

2-Butanone

Concen: 16.15 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

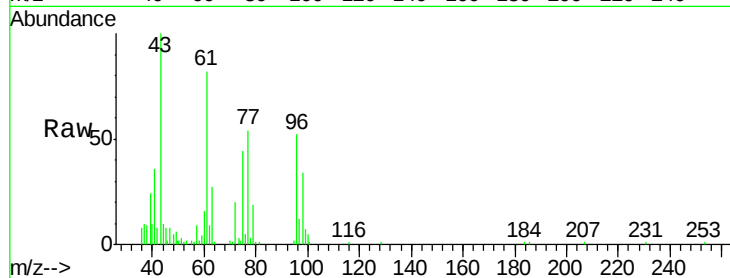
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 43 Resp: 29671

Ion Ratio Lower Upper

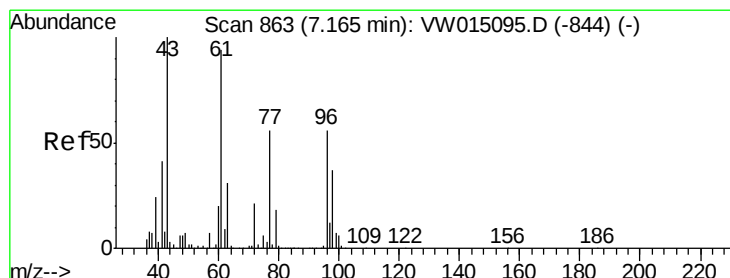
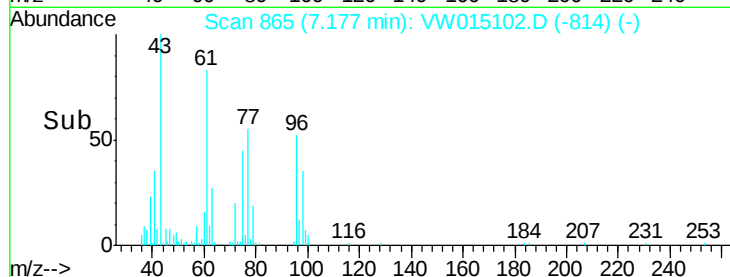
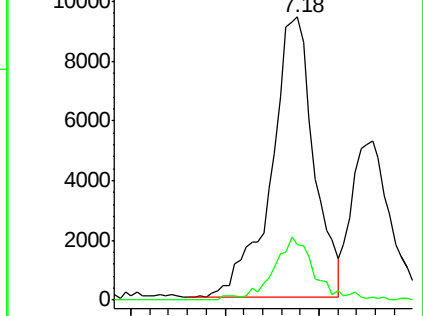
43 100

72 20.0 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 3.62 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015102.D

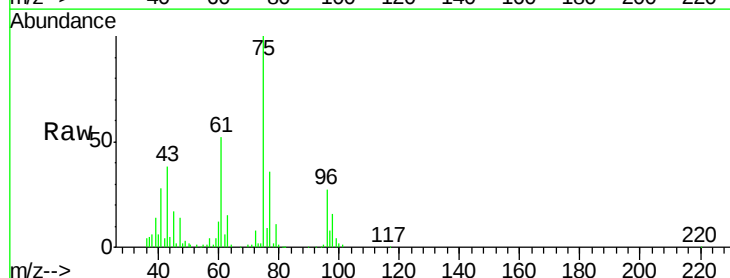
Acq: 09 Mar 2020 17:23

Tgt Ion: 77 Resp: 23559

Ion Ratio Lower Upper

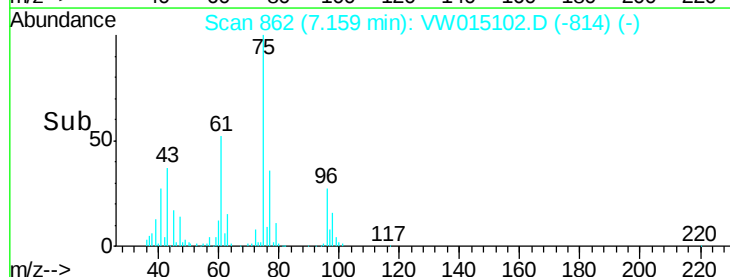
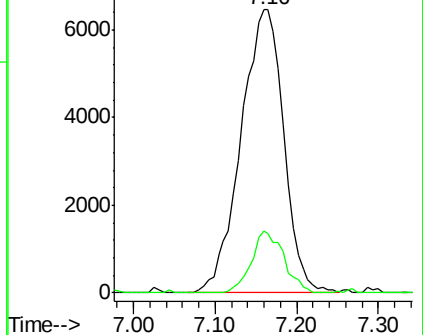
77 100

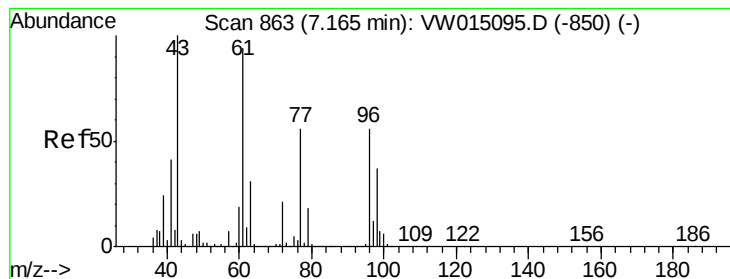
97 16.7 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 2.64 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

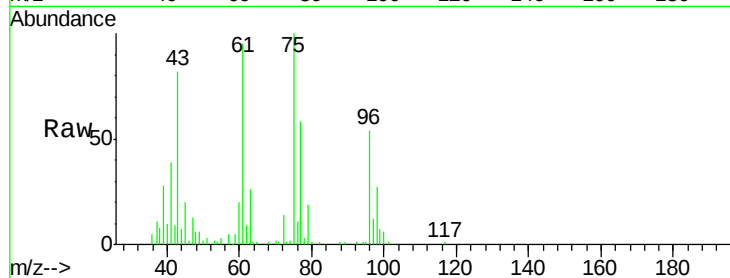
Tgt Ion: 96 Resp: 14798

Ion Ratio Lower Upper

96 100

61 204.7 0.0 343.4

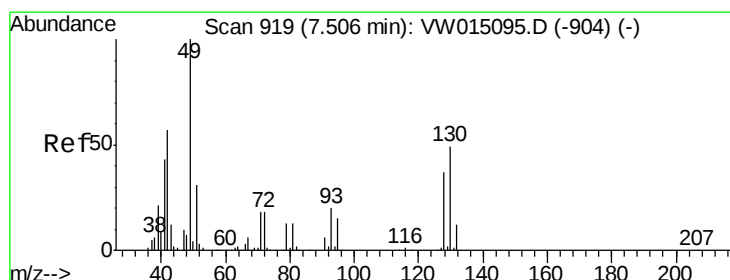
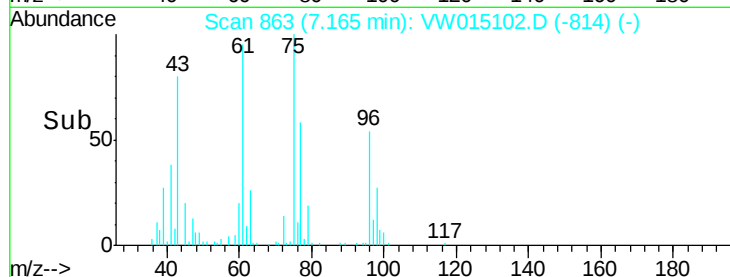
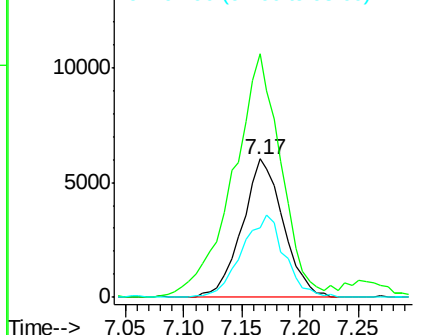
98 61.9 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 2.68 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

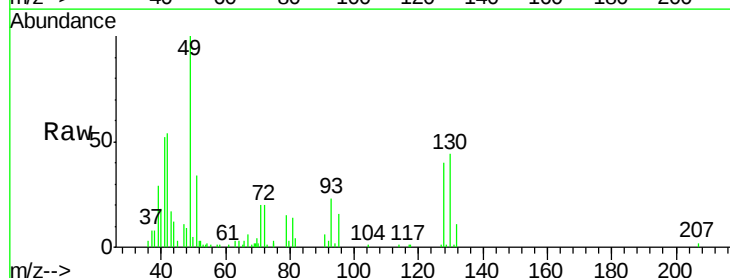
Tgt Ion: 49 Resp: 14600

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

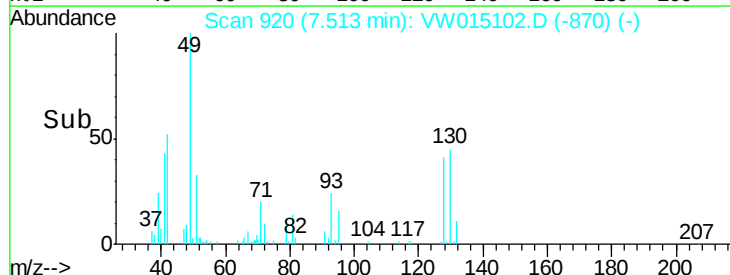
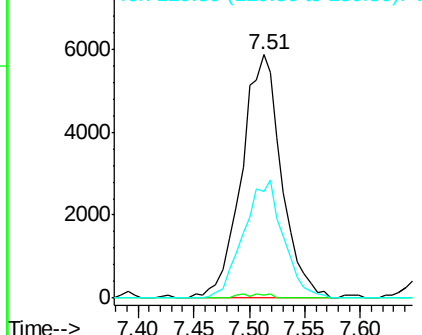
130 48.1 39.8 59.6

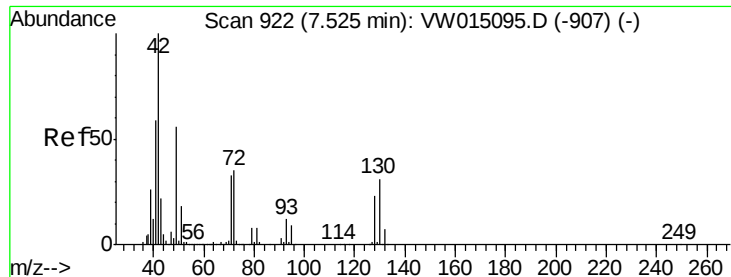


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW

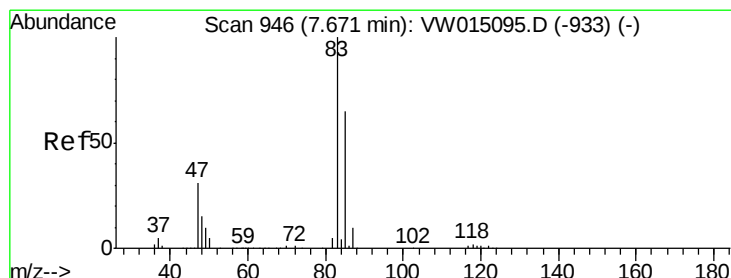
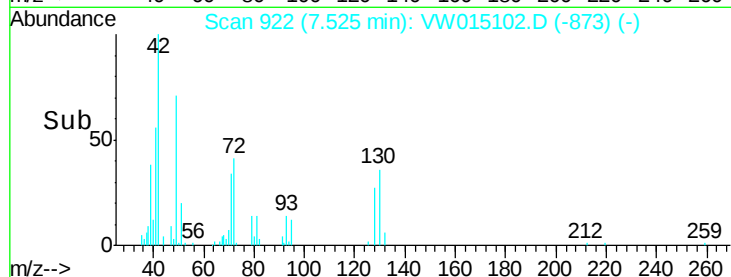
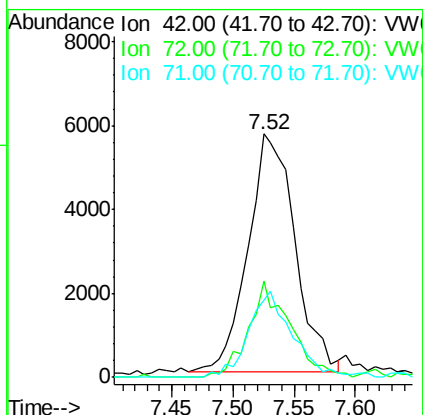
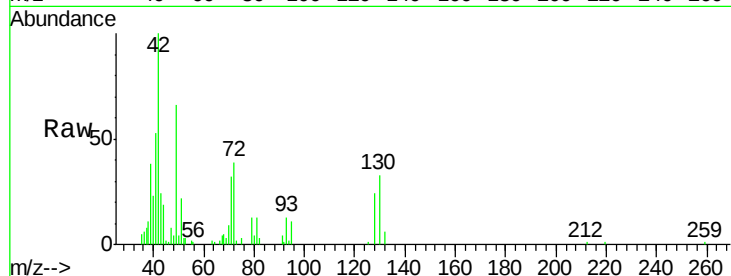




#29
Tetrahydrofuran
Concen: 13.12 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

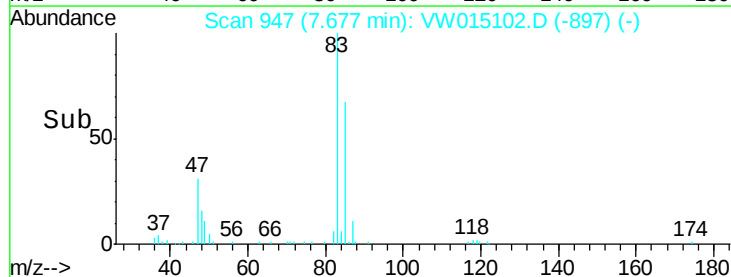
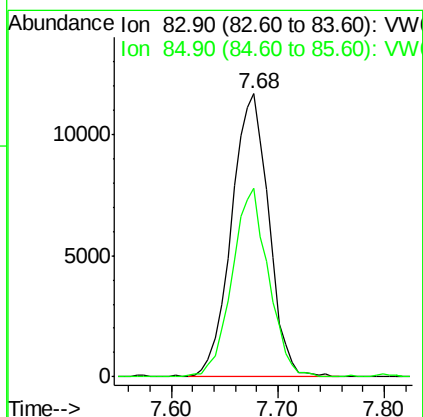
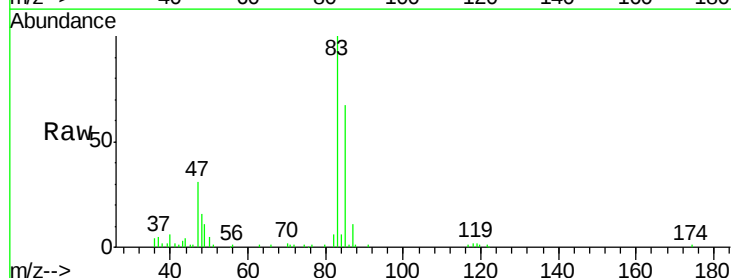
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

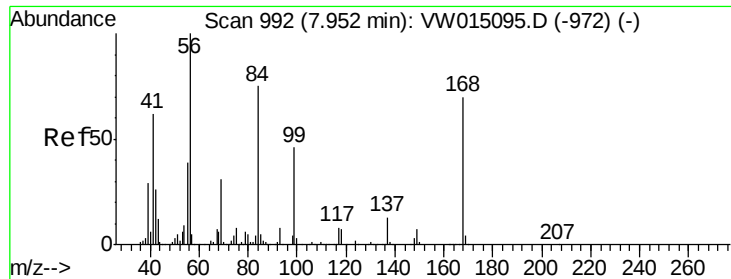
Tgt Ion: 42 Resp: 15082
Ion Ratio Lower Upper
42 100
72 35.8 27.8 41.6
71 33.6 26.4 39.6



#30
Chloroform
Concen: 2.83 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 83 Resp: 28632
Ion Ratio Lower Upper
83 100
85 66.9 51.9 77.9

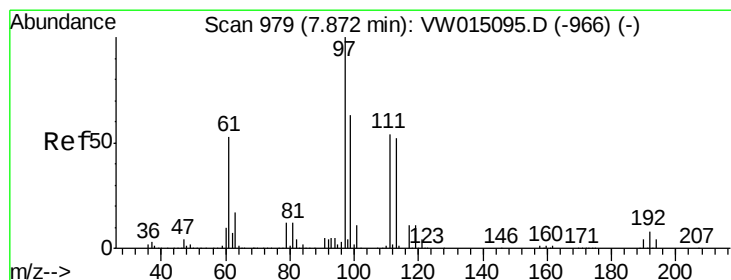
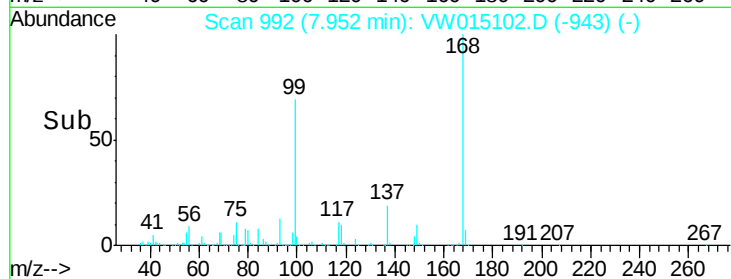
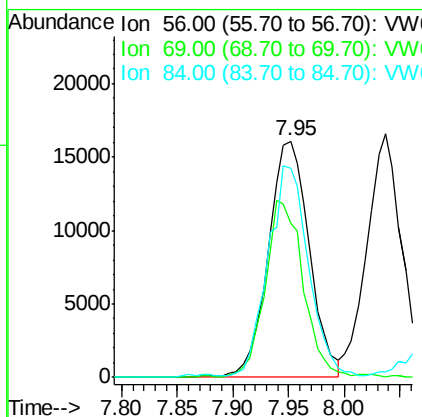
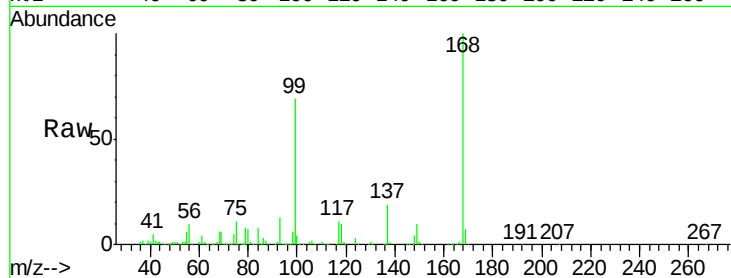




#31
Cyclohexane
Concen: 3.52 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

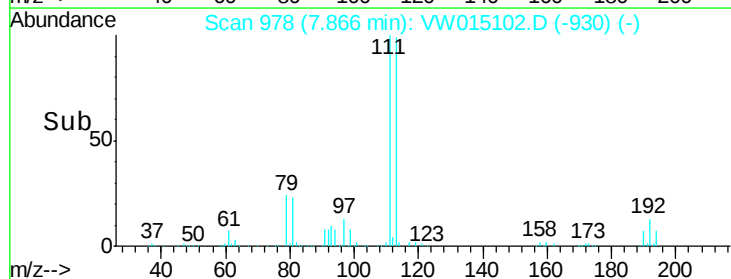
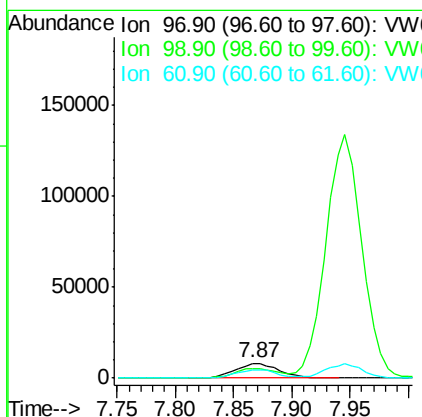
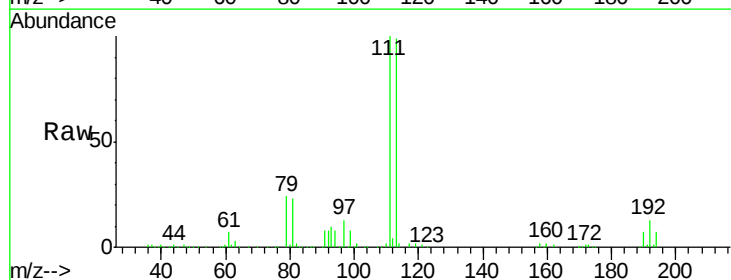
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

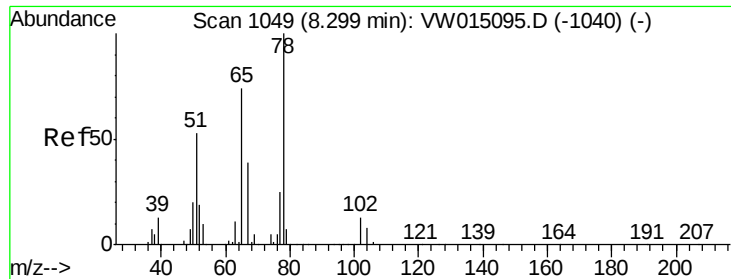
Tgt Ion: 56 Resp: 41242
Ion Ratio Lower Upper
56 100
69 64.7 24.6 37.0#
84 87.2 59.9 89.9



#32
1,1,1-Trichloroethane
Concen: 2.66 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 97 Resp: 20965
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 56.3 44.0 66.0

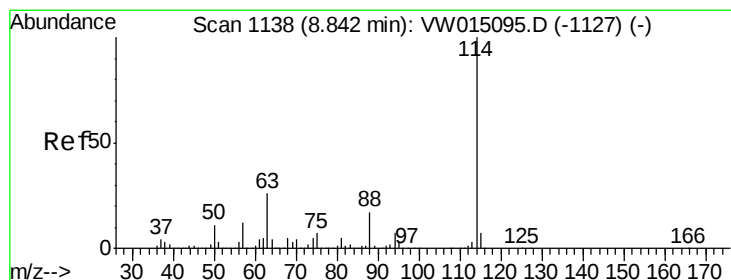
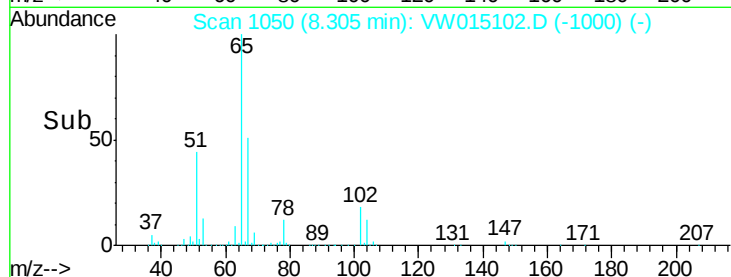
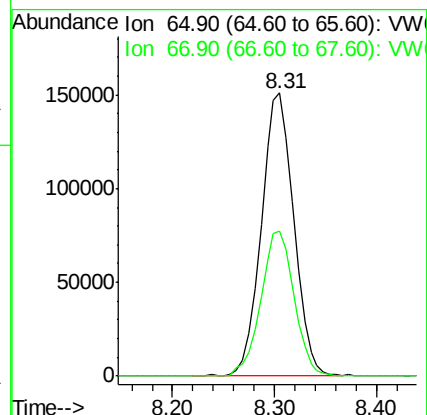
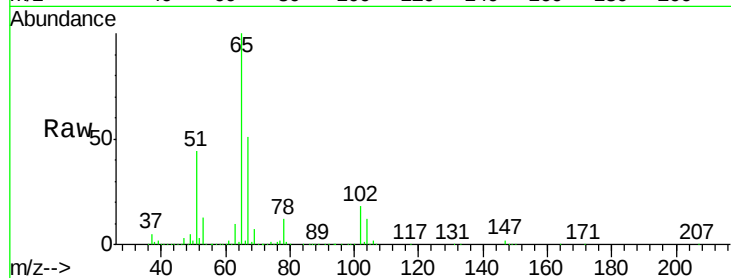




#33
 1,2-Dichloroethane-d4
 Concen: 56.75 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

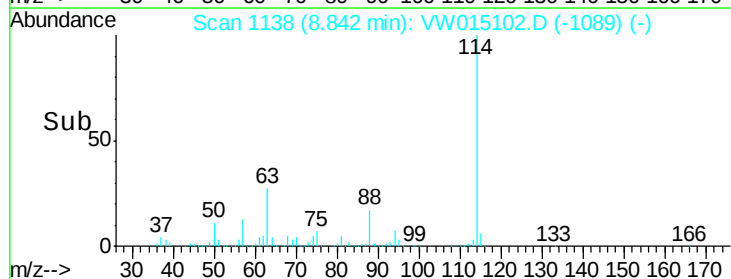
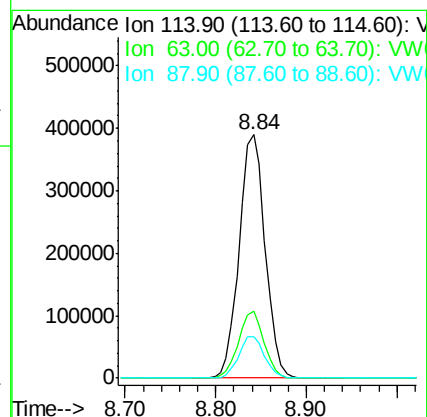
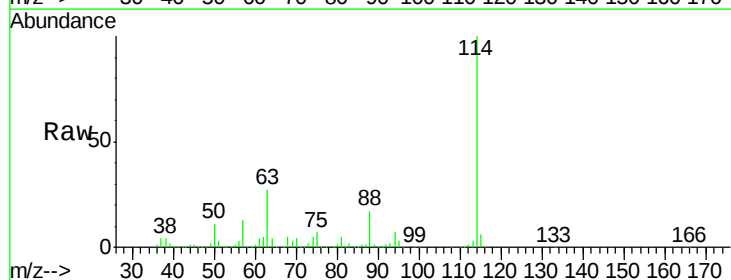
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

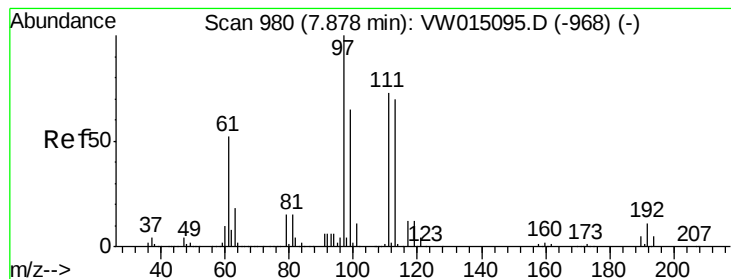
Tgt Ion: 65 Resp: 333560
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 114 Resp: 775922
 Ion Ratio Lower Upper
 114 100
 63 27.4 0.0 52.0
 88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.52 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

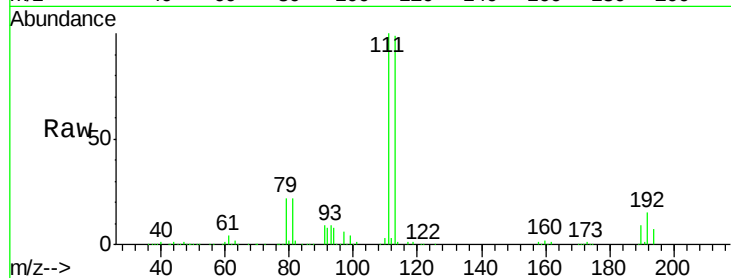
Tgt Ion:113 Resp: 243971

Ion Ratio Lower Upper

113 100

111 104.0 83.6 125.4

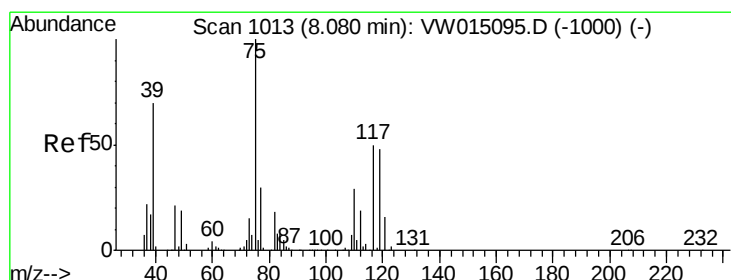
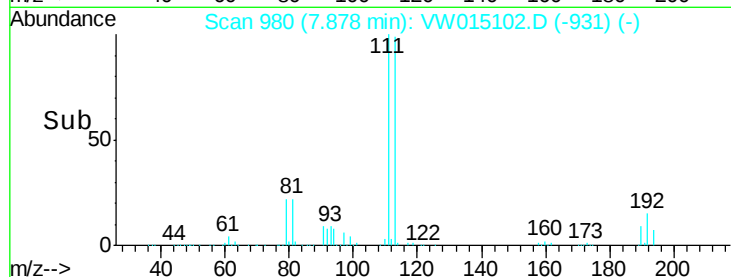
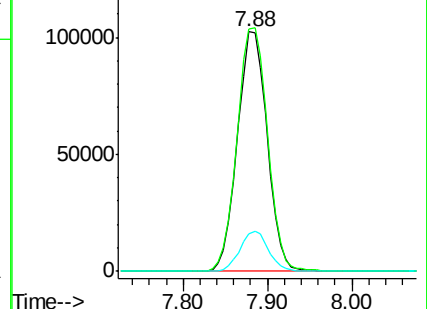
192 16.0 12.4 18.6



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: 2.51 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

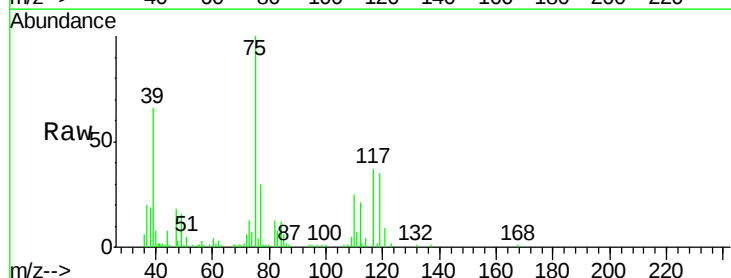
Tgt Ion: 75 Resp: 22592

Ion Ratio Lower Upper

75 100

110 28.8 14.7 44.1

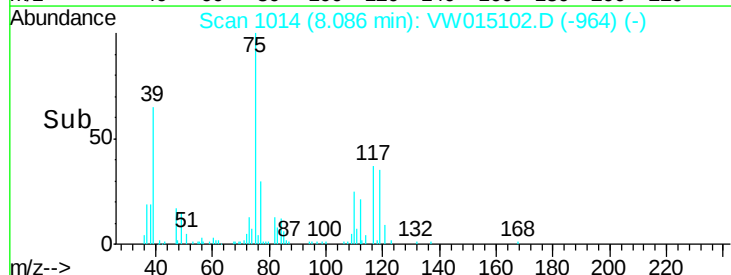
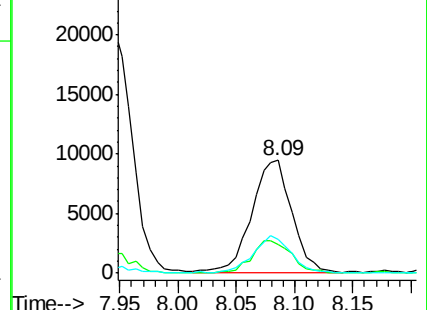
77 31.4 24.2 36.4

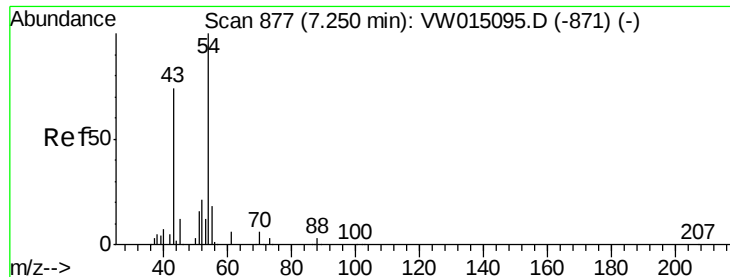


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

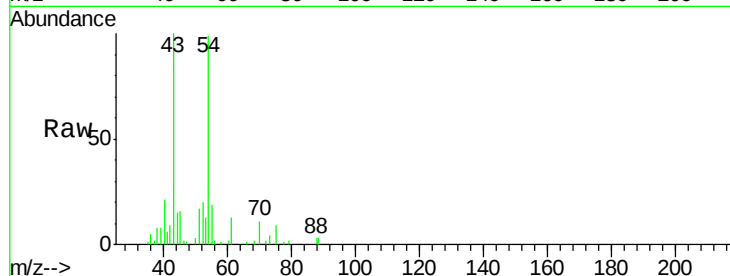




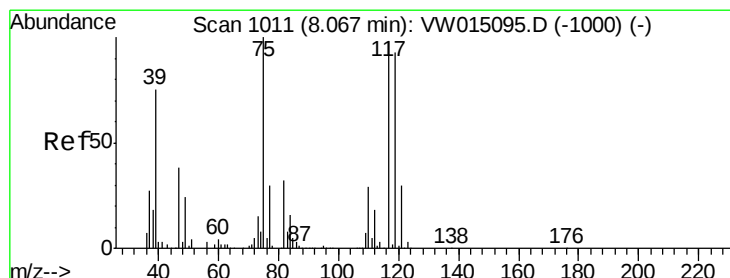
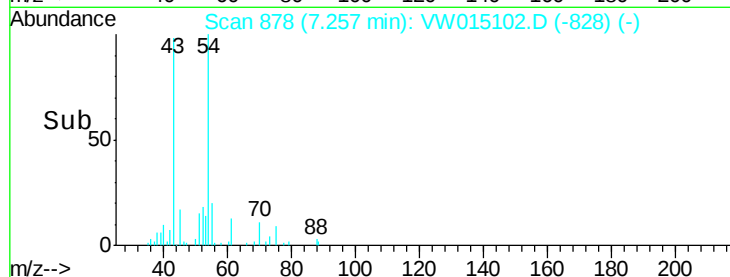
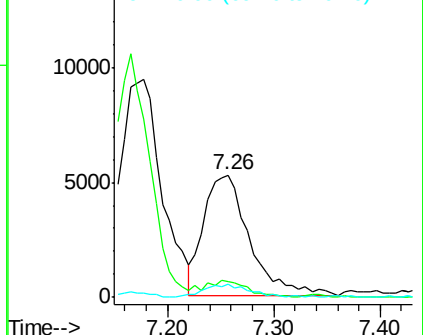
#37
Ethyl Acetate
Concen: 3.45 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

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

Tgt Ion: 43 Resp: 15485
Ion Ratio Lower Upper
43 100
61 13.6 9.6 14.4
70 10.6 6.5 9.7#

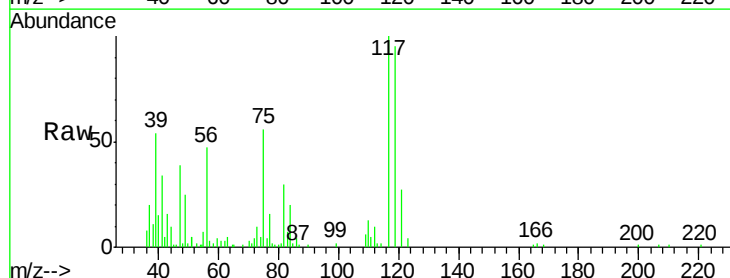


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

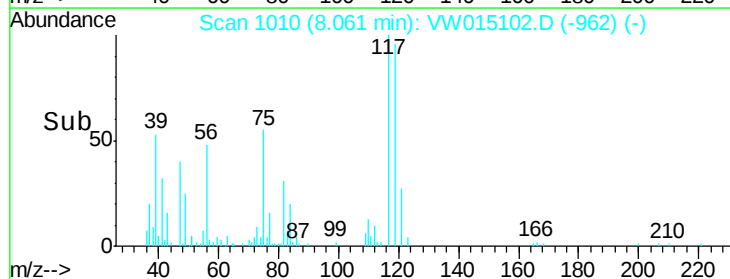
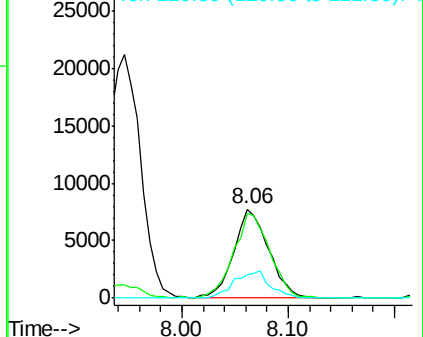


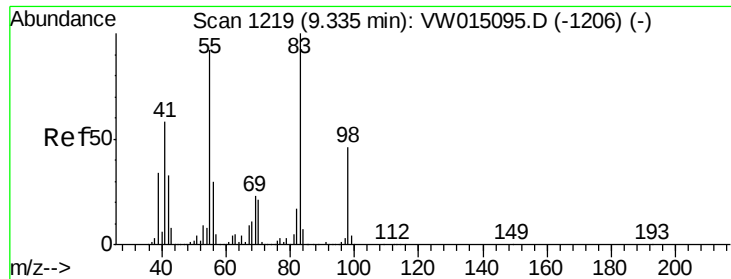
#38
Carbon Tetrachloride
Concen: 2.46 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 117 Resp: 17984
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.8
121 26.7 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

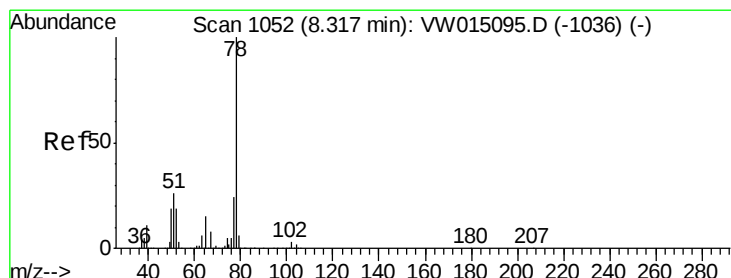
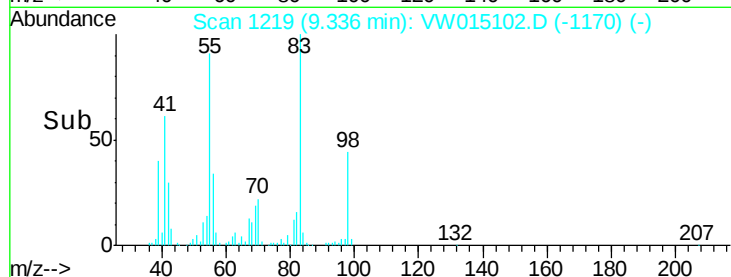
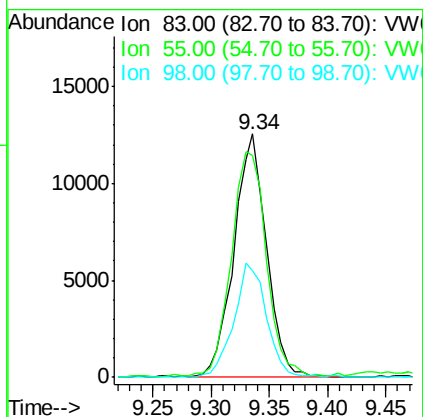
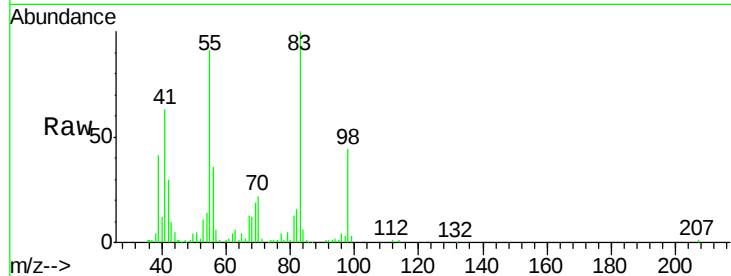




#39
Methylcyclohexane
Concen: 2.38 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

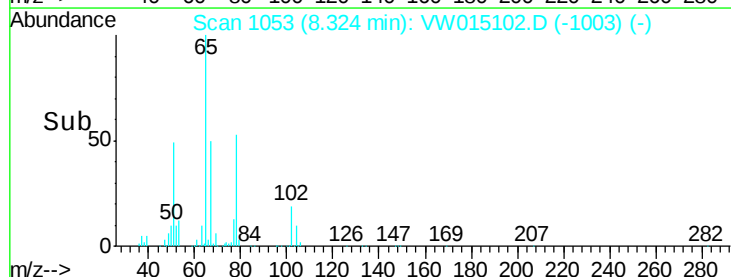
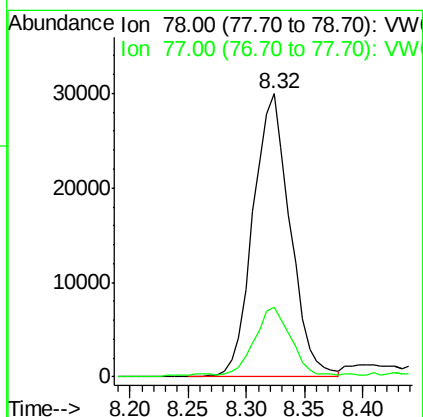
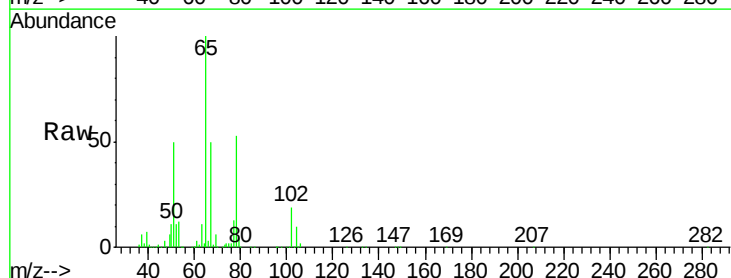
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

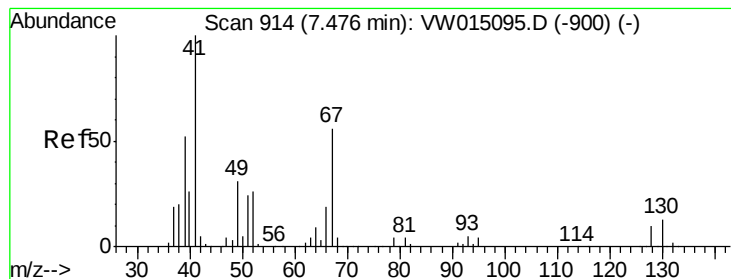
Tgt Ion: 83 Resp: 24493
Ion Ratio Lower Upper
83 100
55 90.5 73.5 110.3
98 43.9 37.2 55.8



#40
Benzene
Concen: 2.65 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 78 Resp: 66317
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 2.67 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 41 Resp: 6327

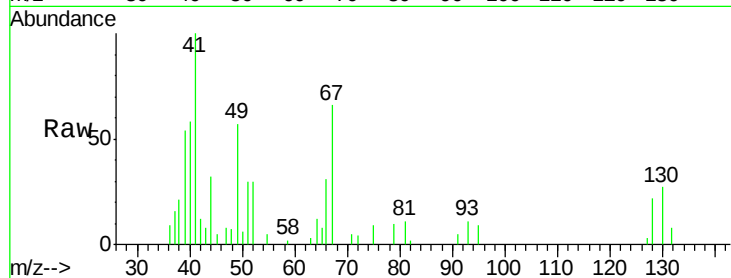
Ion Ratio Lower Upper

41 100

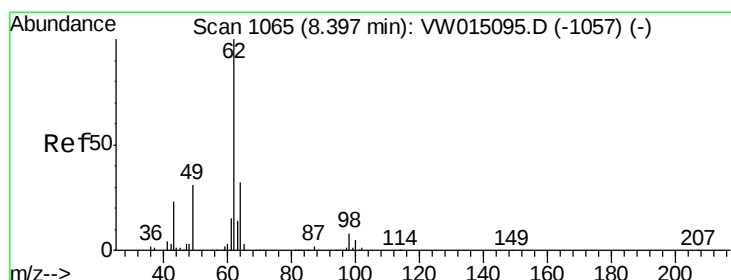
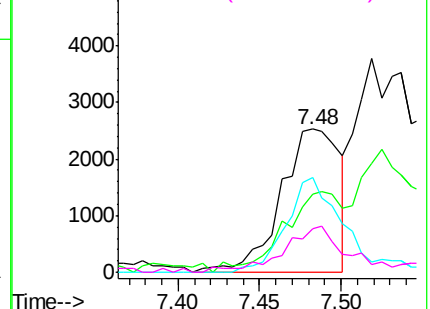
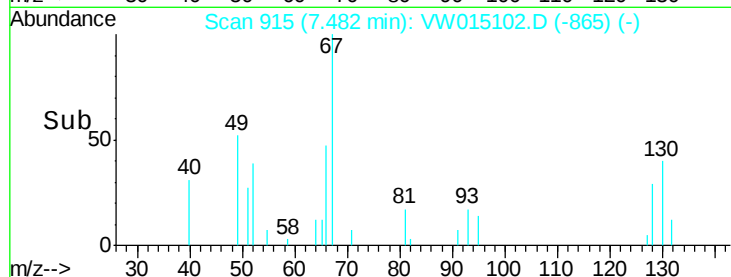
39 54.9 49.0 73.4

67 65.1 50.4 75.6

52 33.8 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: 2.72 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015102.D

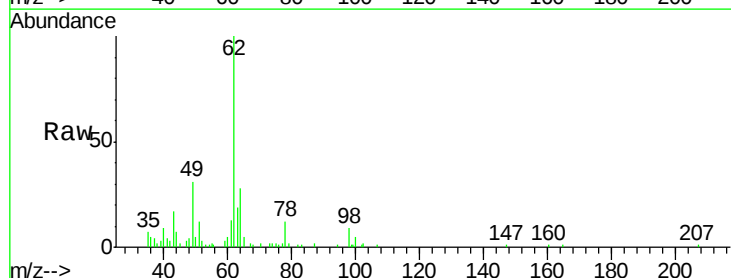
Acq: 09 Mar 2020 17:23

Tgt Ion: 62 Resp: 20698

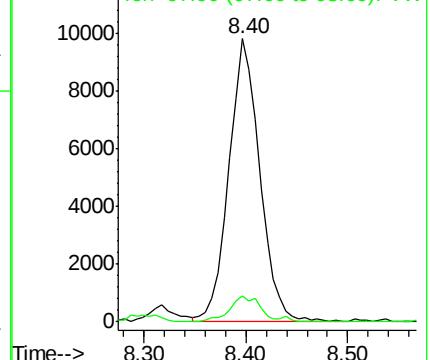
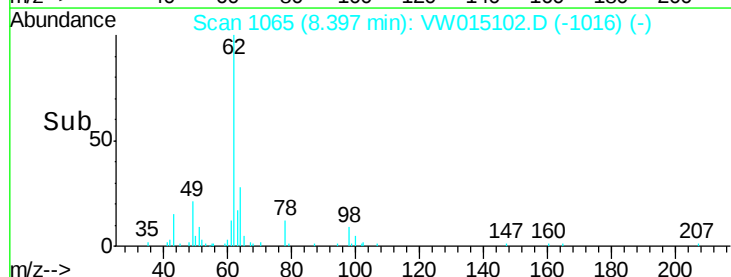
Ion Ratio Lower Upper

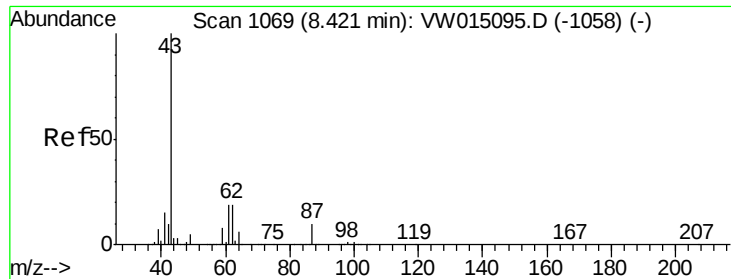
62 100

98 8.9 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: 2.68 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

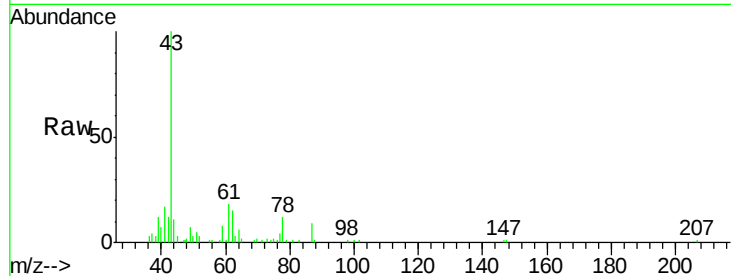
Tgt Ion: 43 Resp: 21535

Ion Ratio Lower Upper

43 100

61 28.4 21.8 32.8

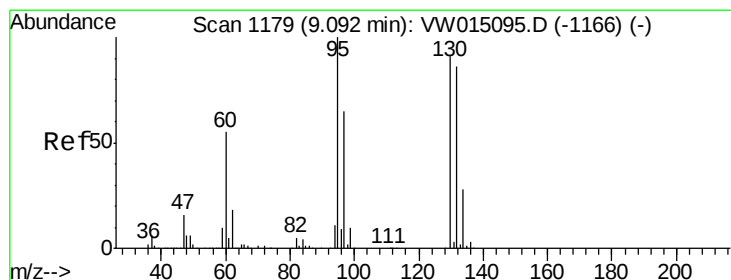
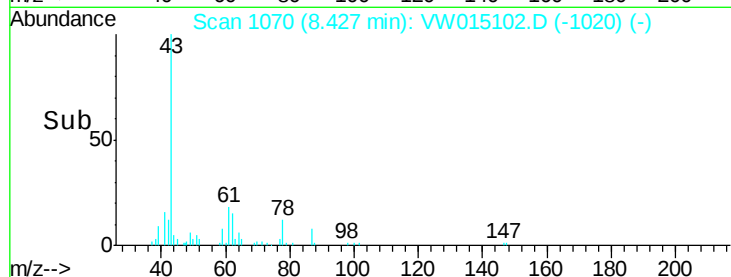
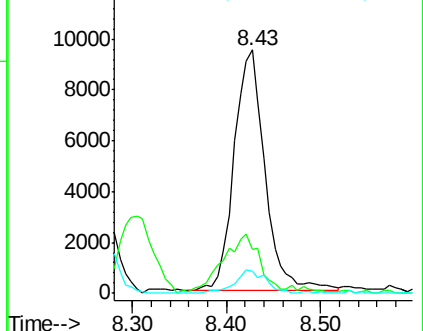
87 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 2.51 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015102.D

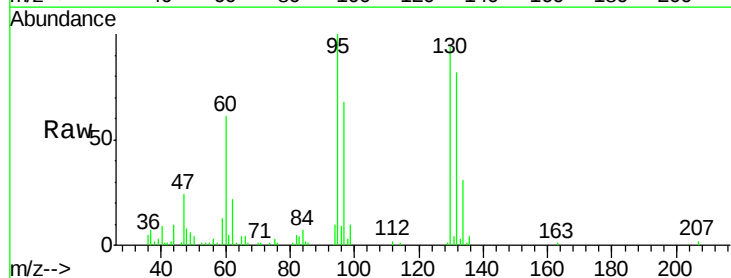
Acq: 09 Mar 2020 17:23

Tgt Ion: 130 Resp: 13347

Ion Ratio Lower Upper

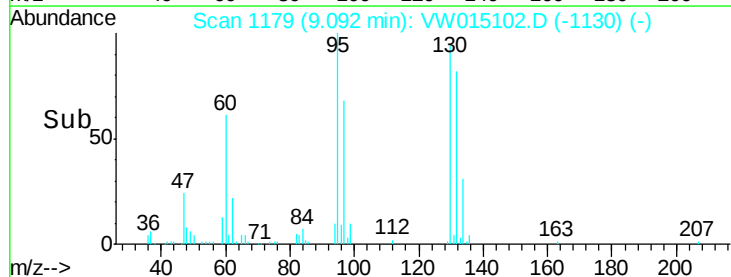
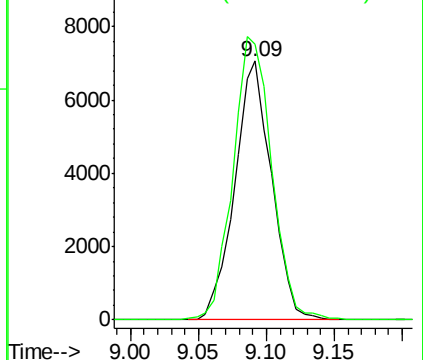
130 100

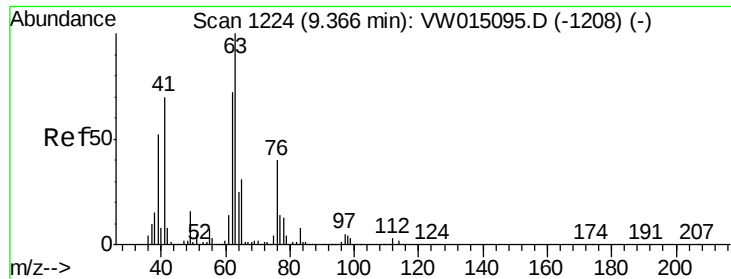
95 105.7 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 2.52 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

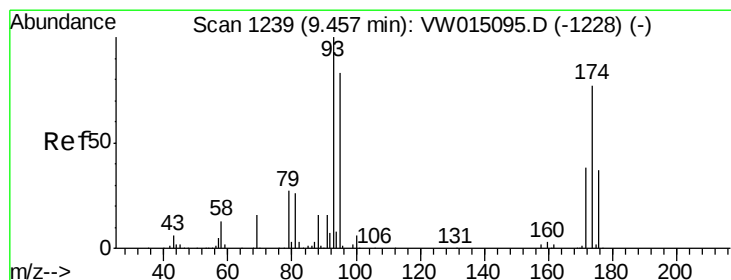
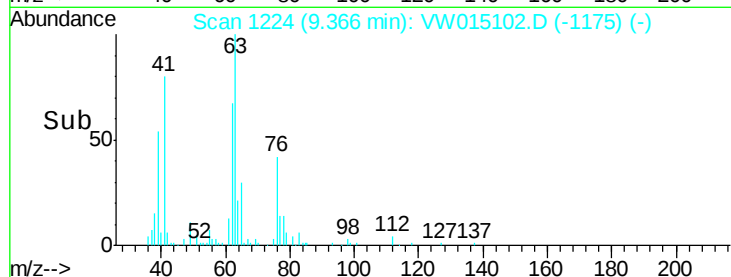
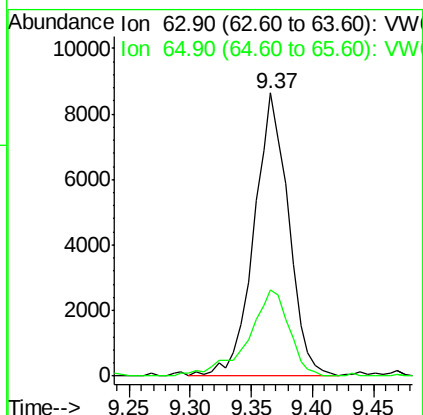
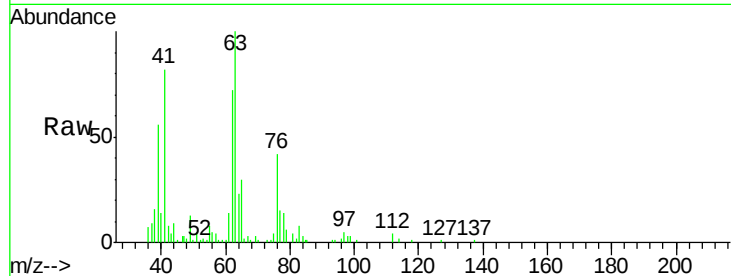
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 63 Resp: 16976

Ion Ratio Lower Upper

63 100

65 30.3 24.6 36.8



#46

Dibromomethane

Concen: 2.75 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

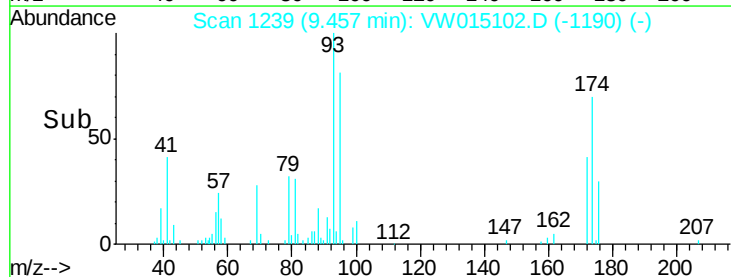
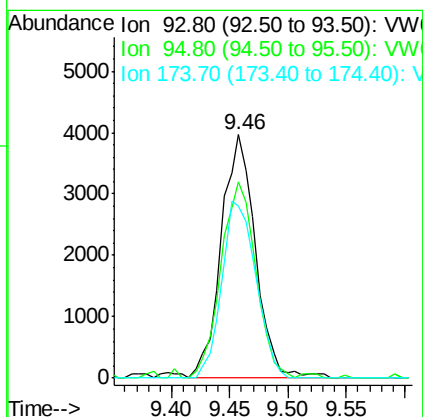
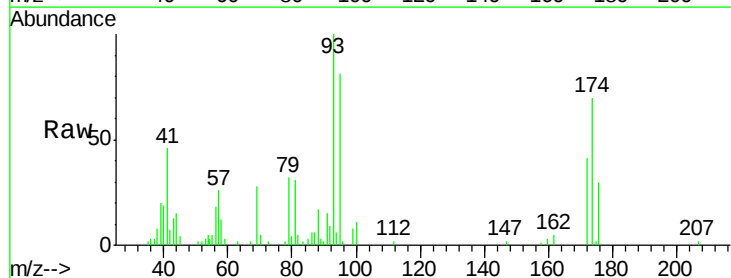
Tgt Ion: 93 Resp: 8064

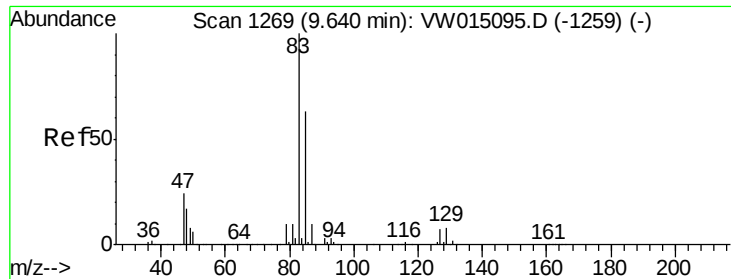
Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

174 72.8 60.6 91.0





#47

Bromodichloromethane

Concen: 2.43 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

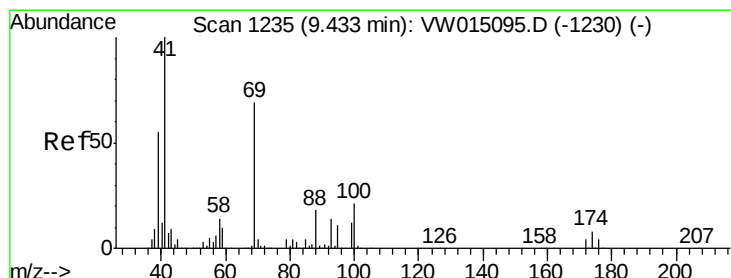
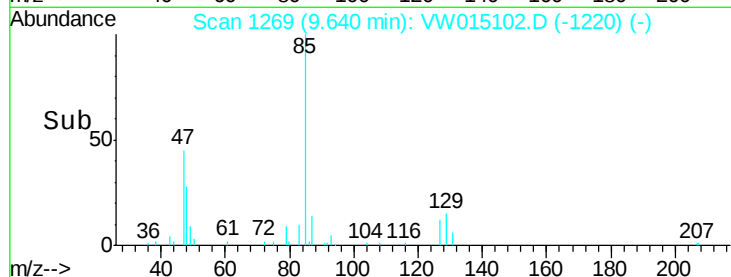
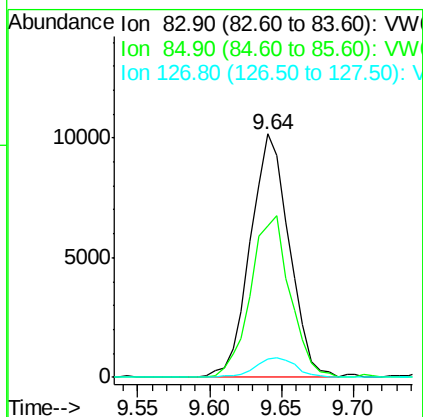
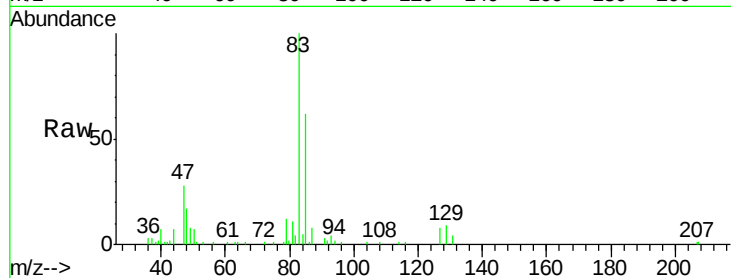
Tgt Ion: 83 Resp: 18998

Ion Ratio Lower Upper

83 100

85 62.2 50.7 76.1

127 7.6 5.5 8.3



#48

Methyl methacrylate

Concen: 2.18 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

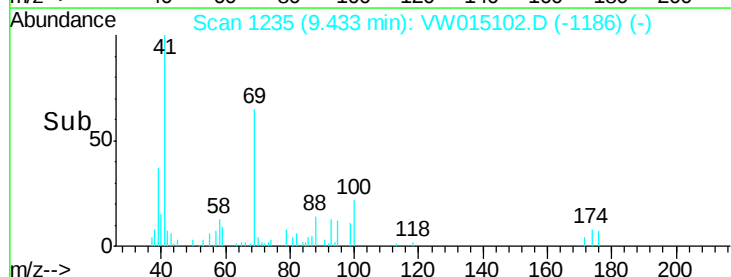
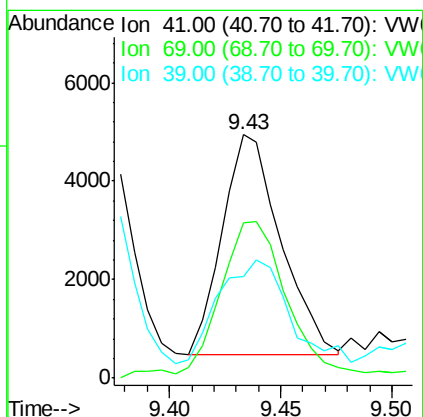
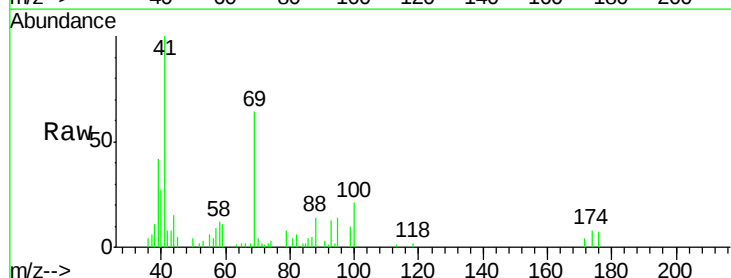
Tgt Ion: 41 Resp: 8104

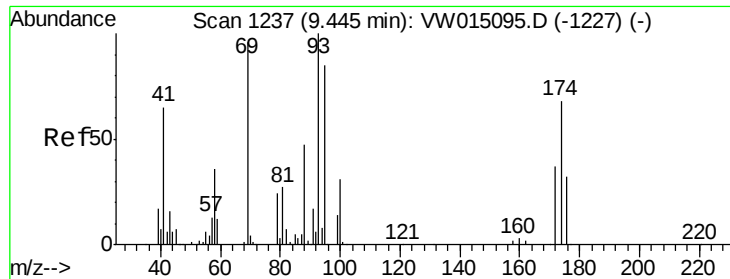
Ion Ratio Lower Upper

41 100

69 85.4 58.7 88.1

39 68.4 45.1 67.7#

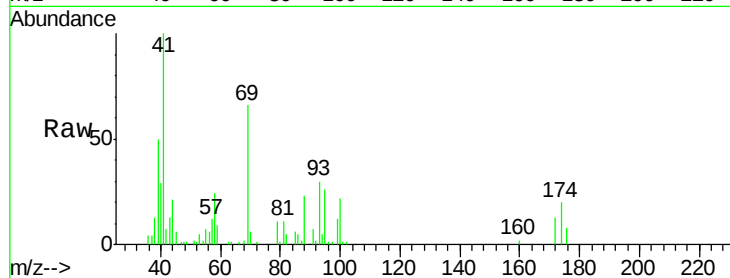




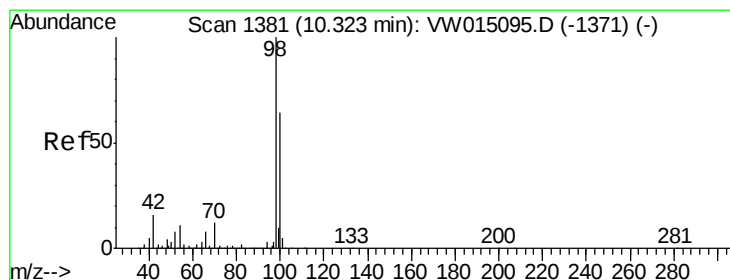
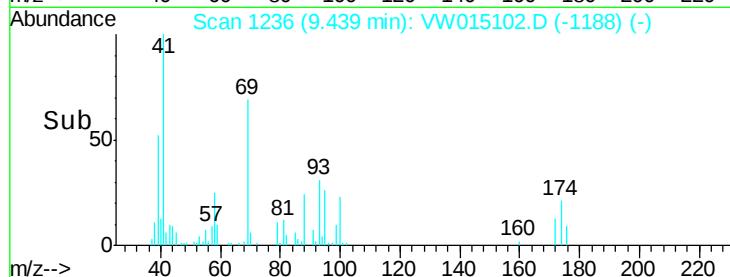
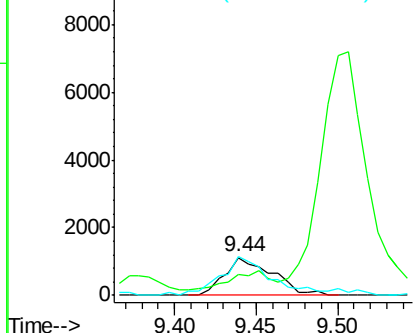
#49
1,4-Dioxane
Concen: 51.03 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

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

Tgt Ion: 88 Resp: 2288
Ion Ratio Lower Upper
88 100
43 38.4 35.8 53.8
58 107.3 64.0 96.0#

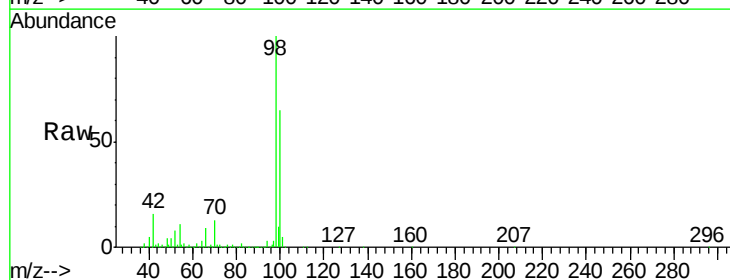


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

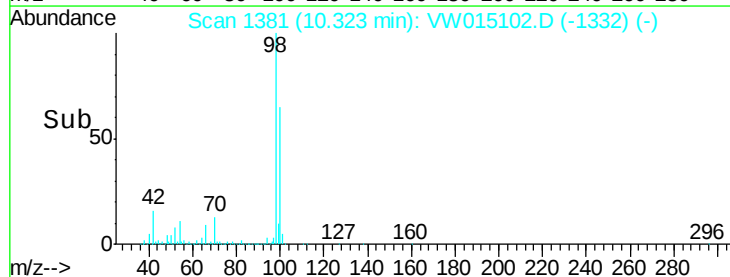
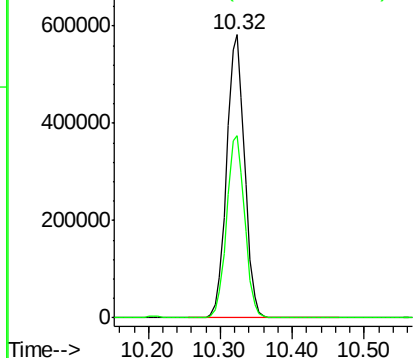


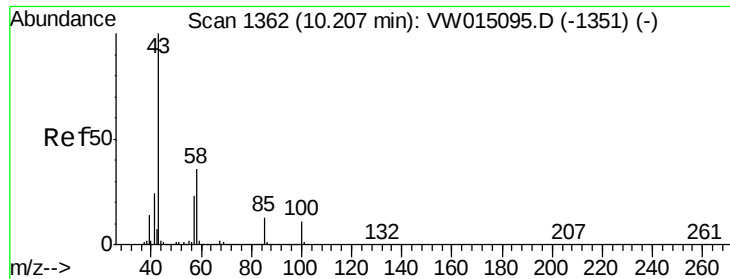
#50
Toluene-d8
Concen: 52.09 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 98 Resp: 1013316
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

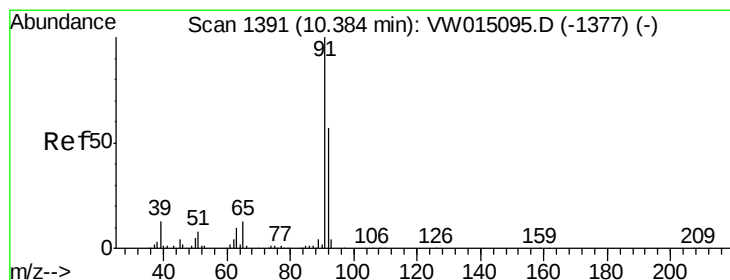
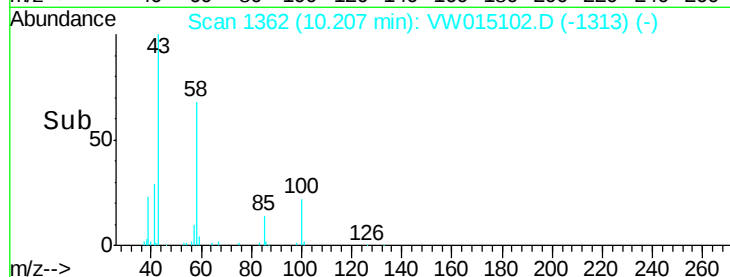
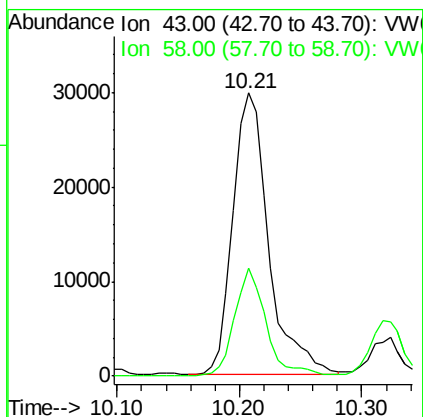
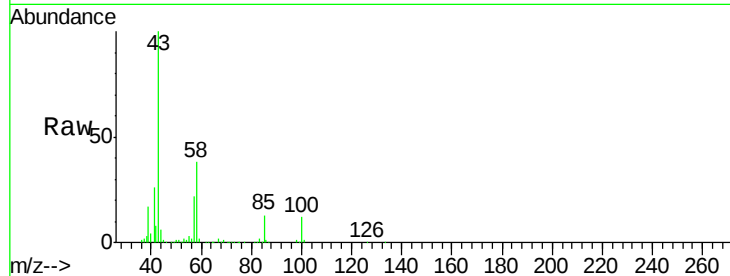




#51
 4-Methyl-2-Pentanone
 Concen: 13.68 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

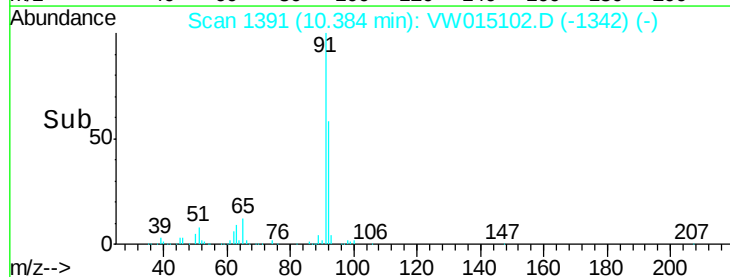
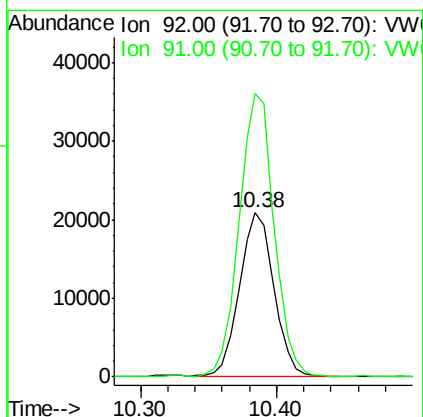
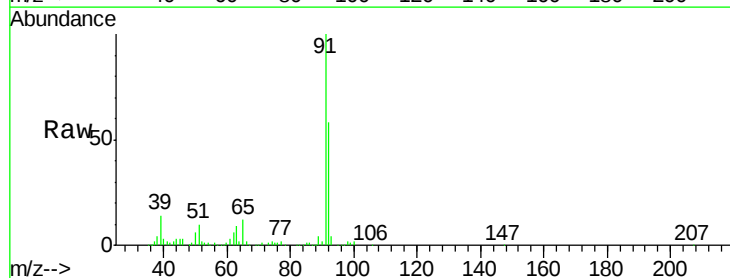
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

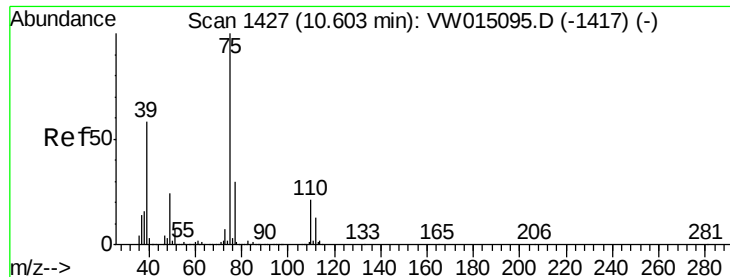
Tgt Ion: 43 Resp: 60750
 Ion Ratio Lower Upper
 43 100
 58 33.6 28.0 42.0



#52
 Toluene
 Concen: 2.58 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 92 Resp: 37115
 Ion Ratio Lower Upper
 92 100
 91 173.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

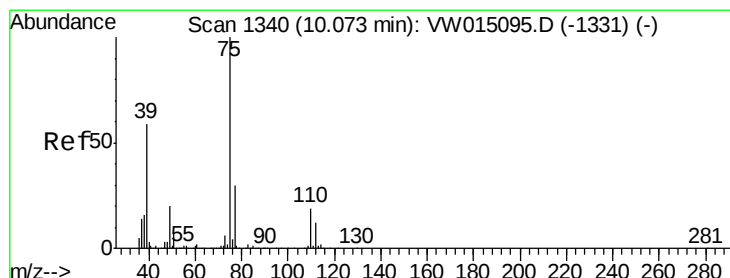
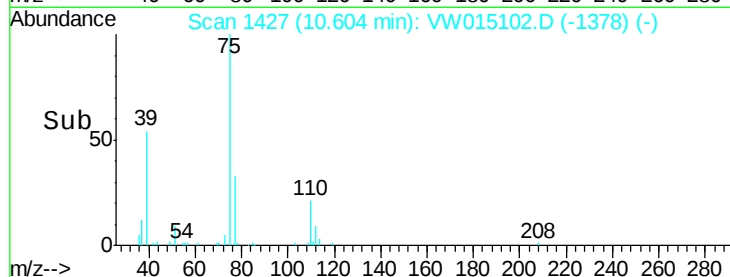
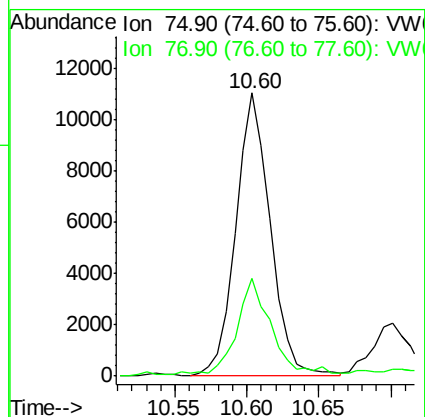
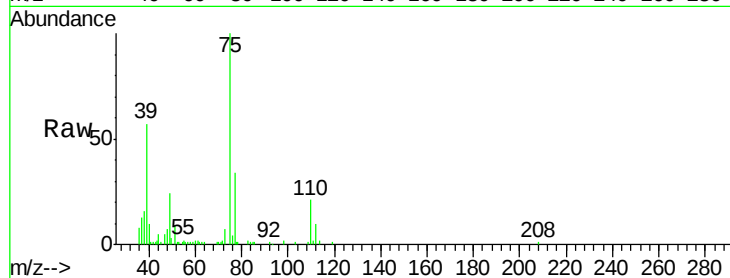
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 75 Resp: 18427

Ion Ratio Lower Upper

75 100

77 33.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 2.31 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

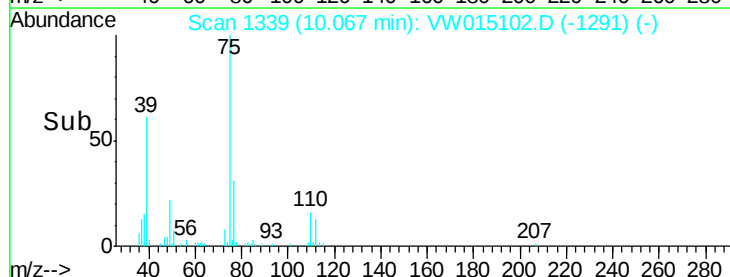
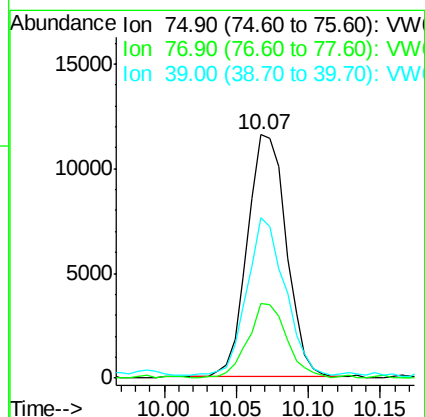
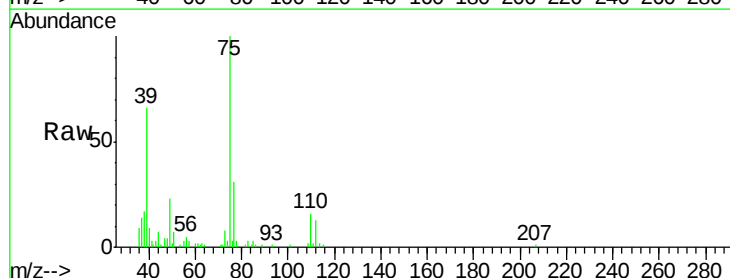
Tgt Ion: 75 Resp: 21650

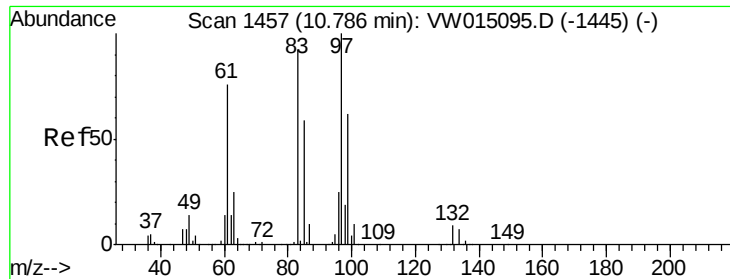
Ion Ratio Lower Upper

75 100

77 30.8 24.3 36.5

39 65.2 47.0 70.6

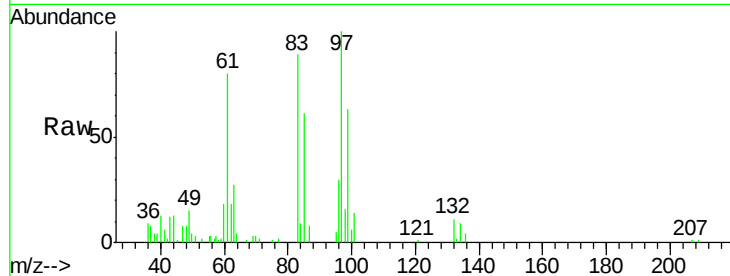




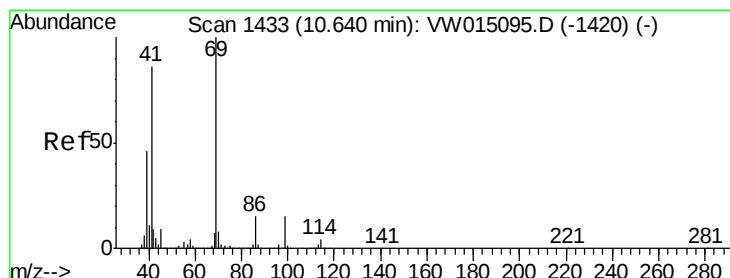
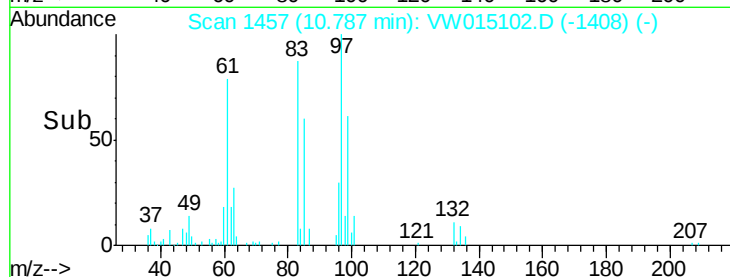
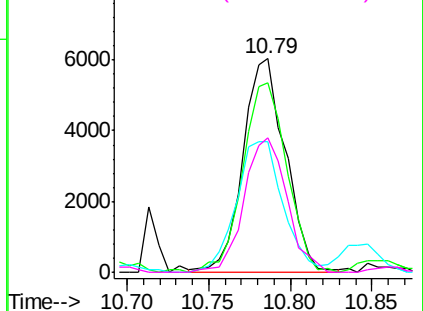
#55
 1,1,2-Trichloroethane
 Concen: 2.71 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

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

Tgt Ion: 97 Resp: 10882
 Ion Ratio Lower Upper
 97 100
 83 89.6 74.0 111.0
 85 61.6 46.9 70.3
 99 63.5 49.8 74.8

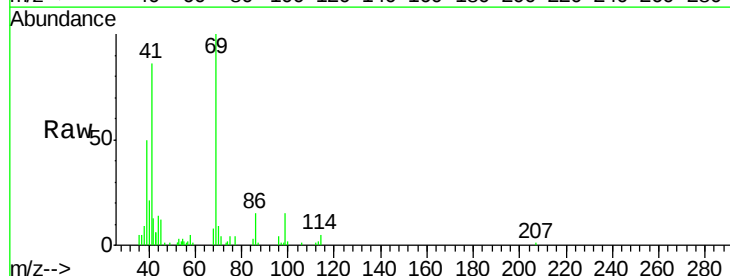


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

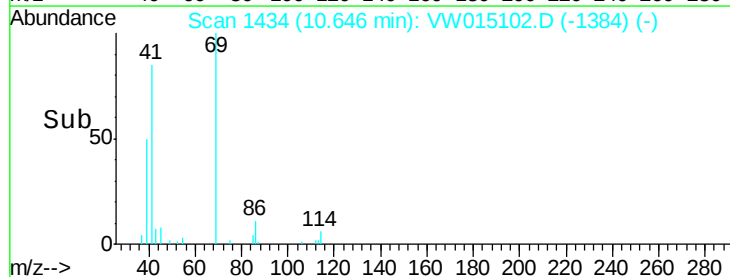
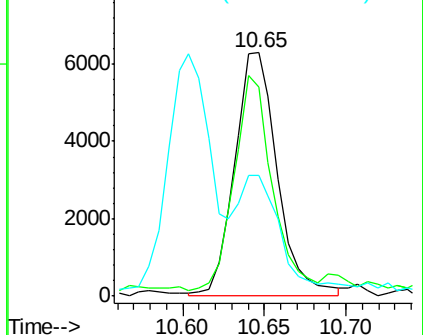


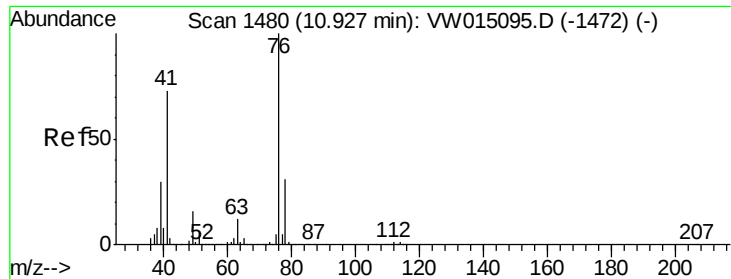
#56
 Ethyl methacrylate
 Concen: 2.23 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 69 Resp: 11521
 Ion Ratio Lower Upper
 69 100
 41 78.8 65.8 98.6
 39 42.7 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

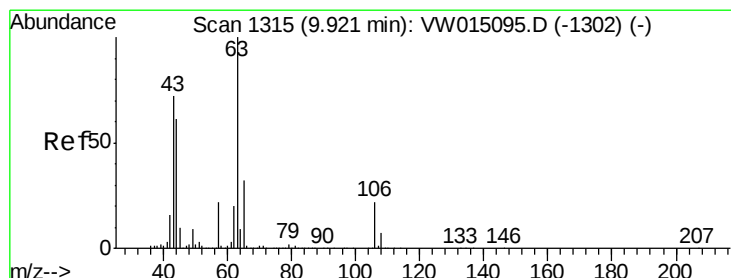
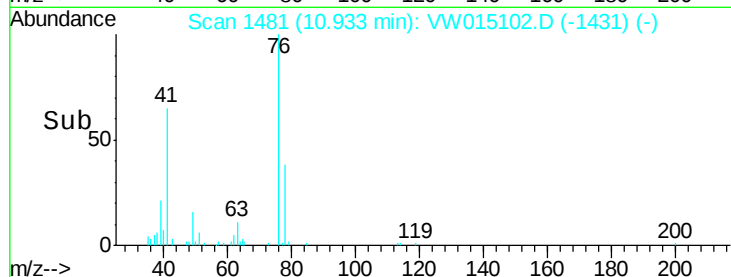
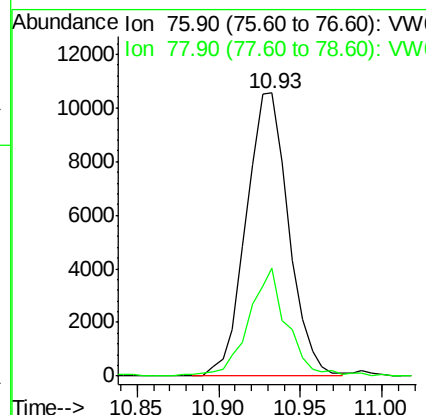
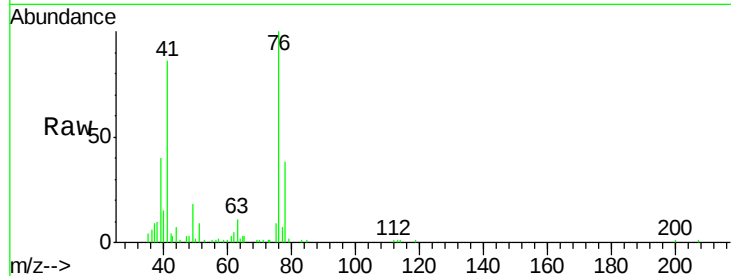




#57
 1,3-Dichloropropane
 Concen: 2.51 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

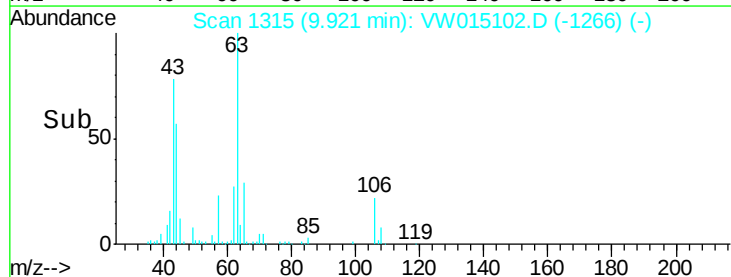
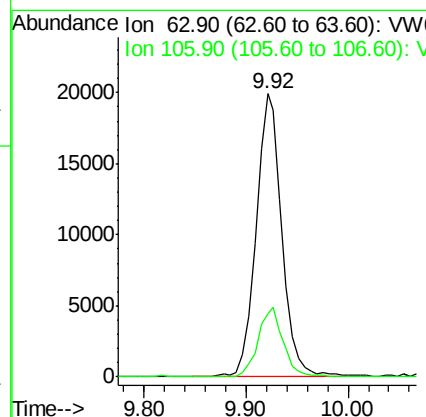
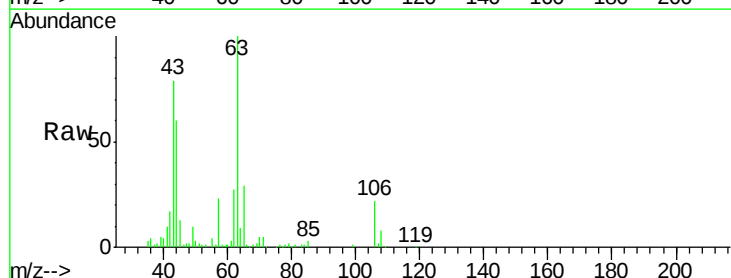
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

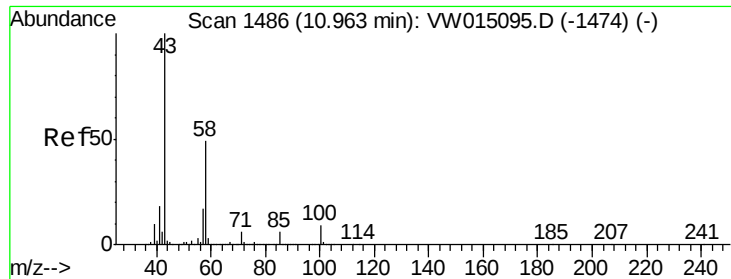
Tgt Ion: 76 Resp: 19187
 Ion Ratio Lower Upper
 76 100
 78 34.7 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.53 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 63 Resp: 35026
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.0 27.0

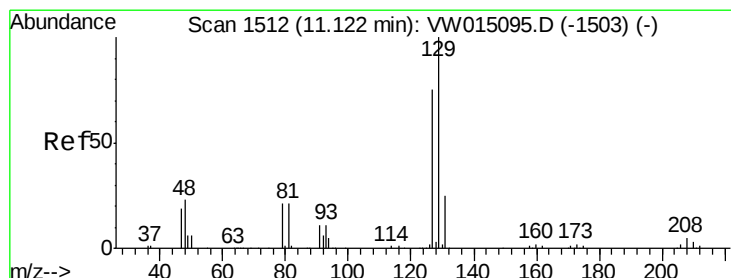
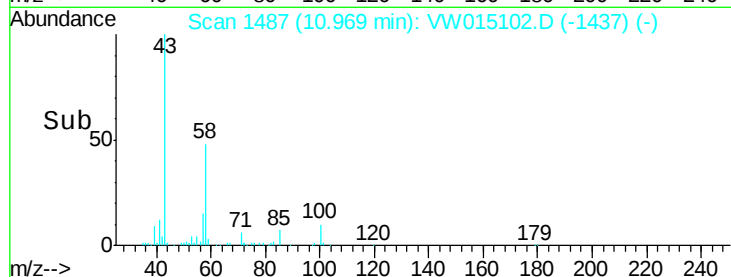
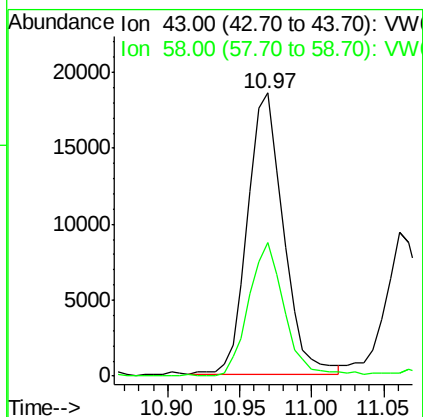
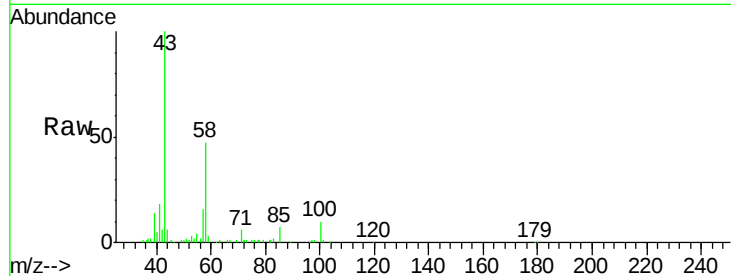




#59
2-Hexanone
Concen: 11.45 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

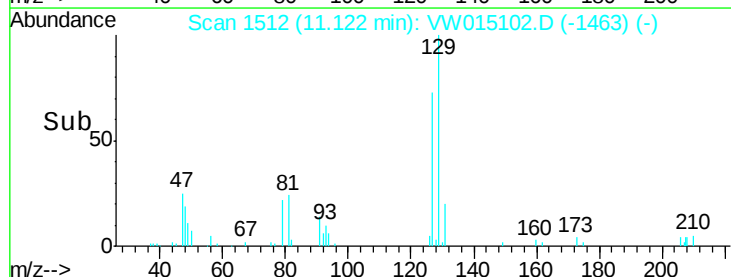
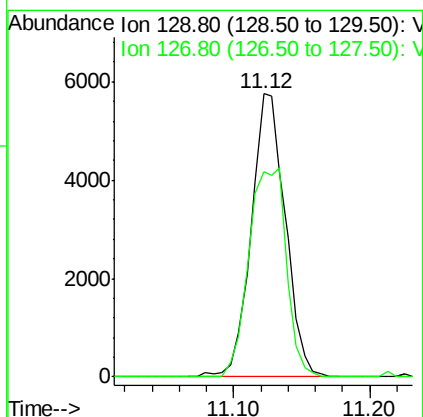
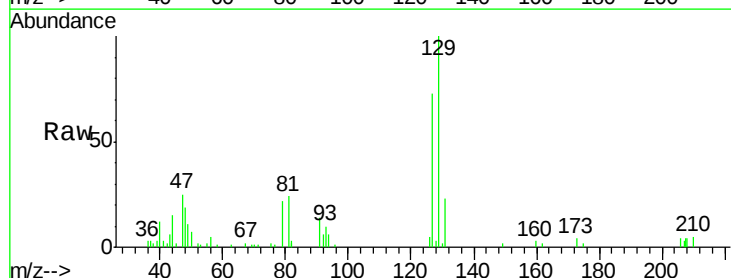
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

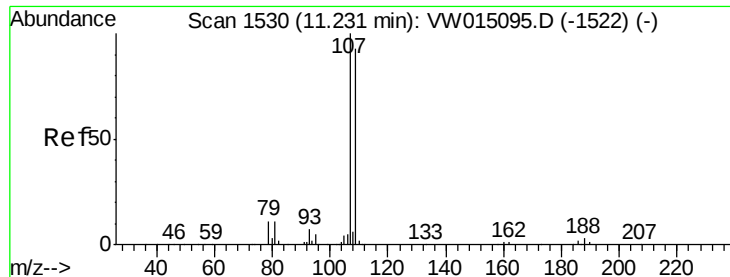
Tgt Ion: 43 Resp: 31766
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.8



#60
Dibromochloromethane
Concen: 2.44 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion: 129 Resp: 10108
Ion Ratio Lower Upper
129 100
127 81.1 38.7 116.1

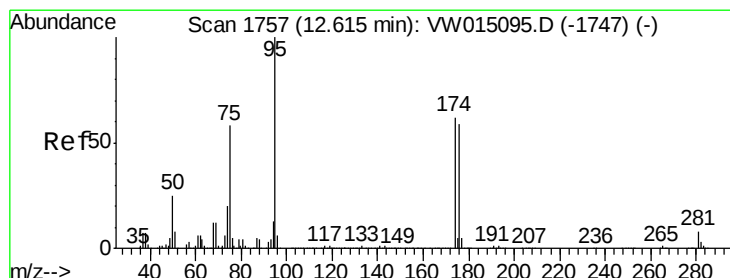
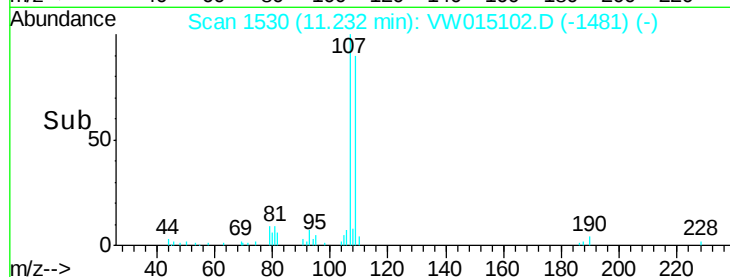
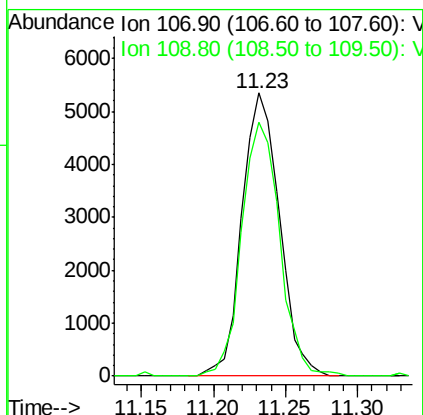
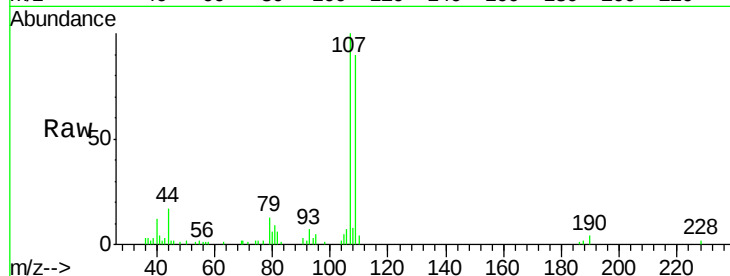




#61
 1,2-Dibromoethane
 Concen: 2.71 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

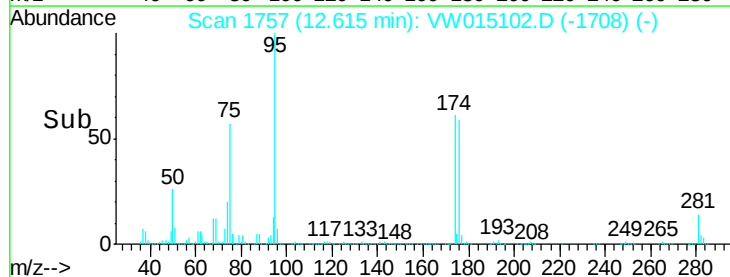
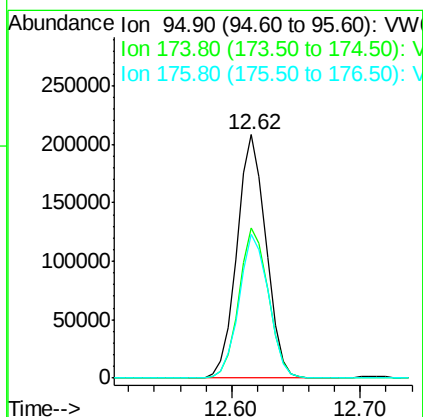
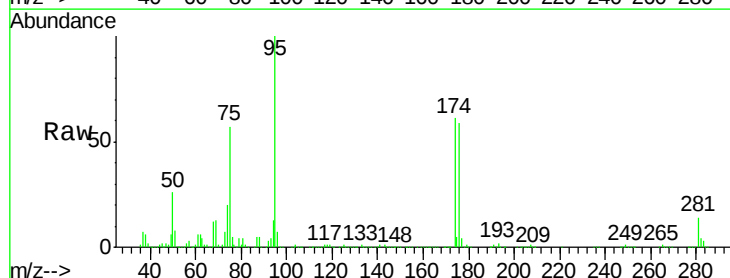
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

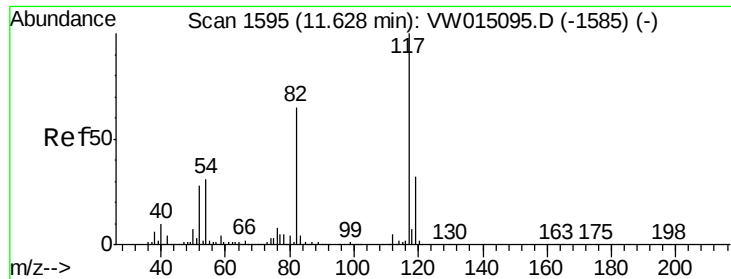
Tgt Ion: 107 Resp: 9634
 Ion Ratio Lower Upper
 107 100
 109 91.2 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.19 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion: 95 Resp: 324304
 Ion Ratio Lower Upper
 95 100
 174 62.1 0.0 126.8
 176 60.0 0.0 121.6

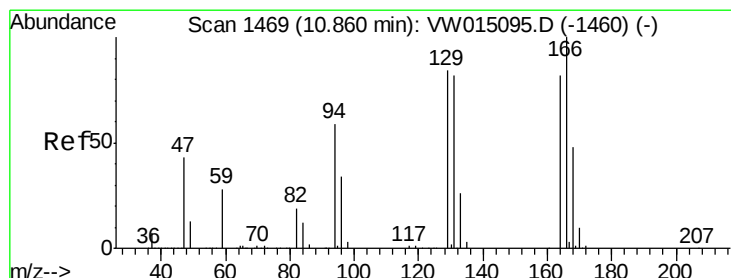
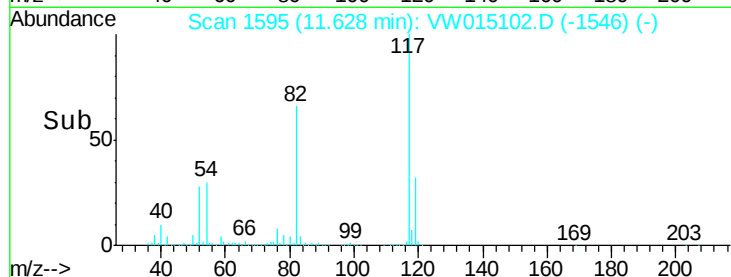
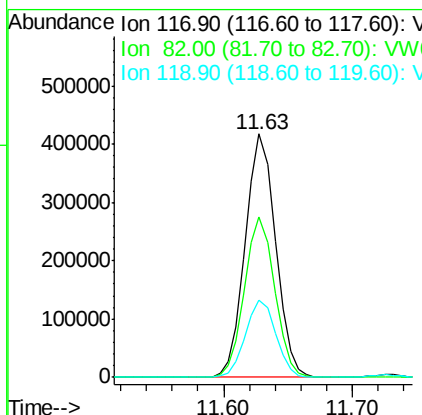
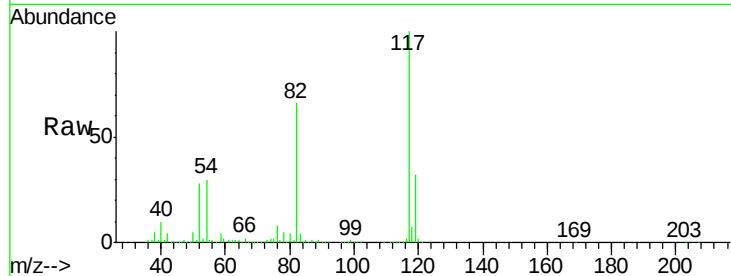




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

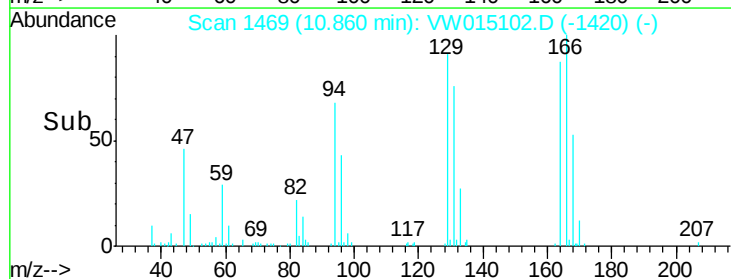
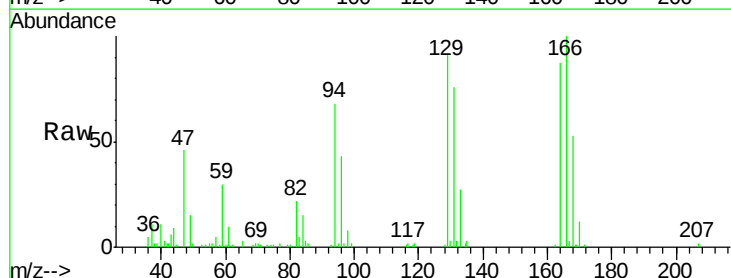
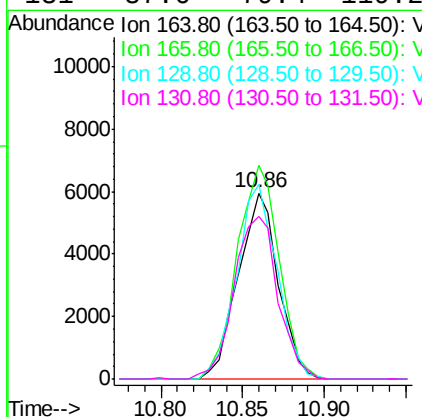
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

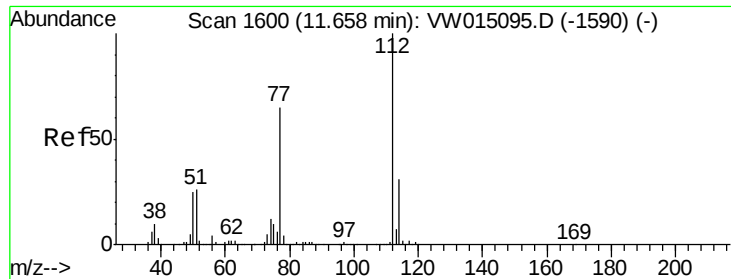
Tgt Ion:117 Resp: 679976
Ion Ratio Lower Upper
117 100
82 65.8 52.2 78.2
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 2.60 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion:164 Resp: 10222
Ion Ratio Lower Upper
164 100
166 115.0 97.0 145.6
129 104.7 81.2 121.8
131 87.6 79.4 119.2

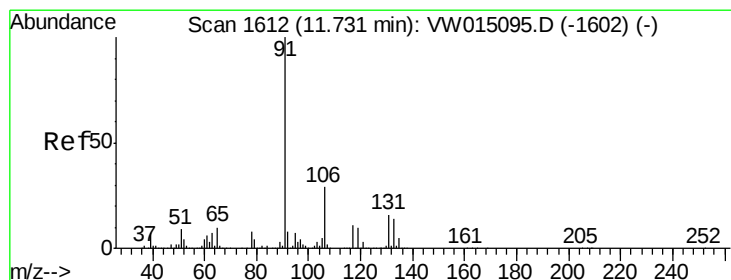
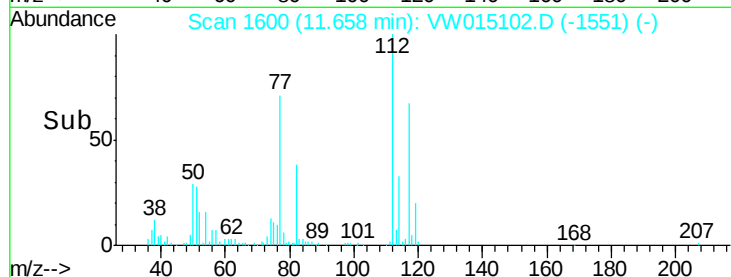
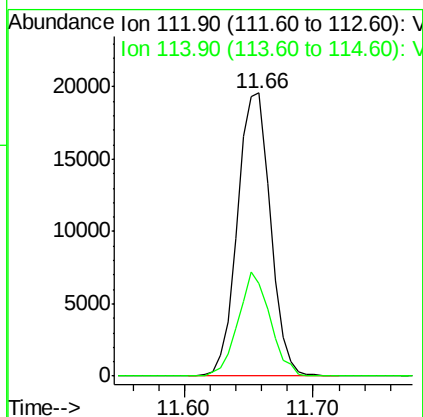
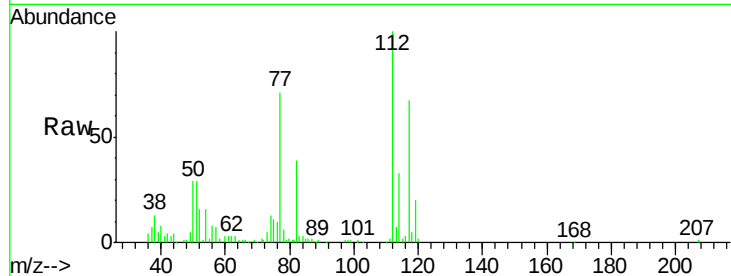




#65
Chlorobenzene
Concen: 2.54 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

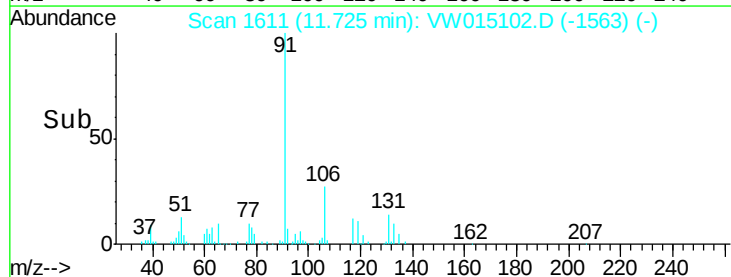
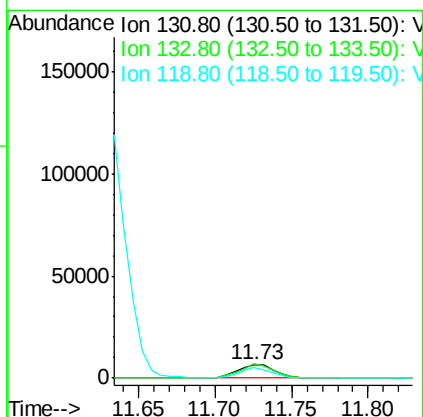
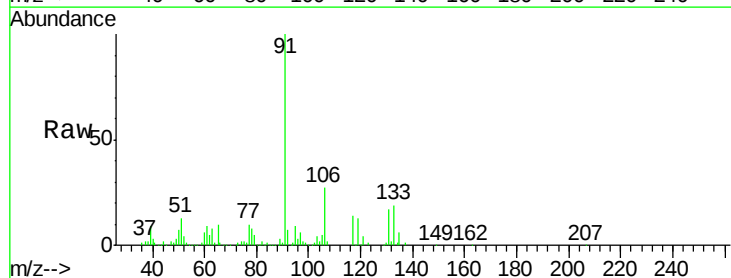
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

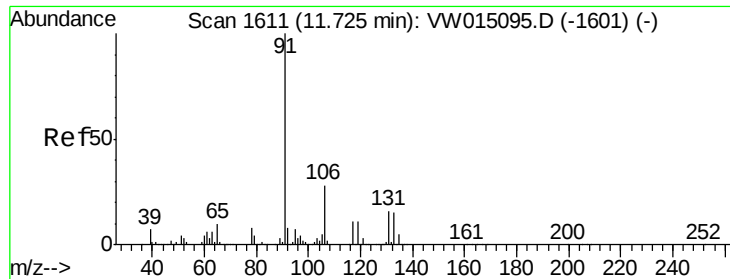
Tgt Ion:112 Resp: 34692
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.47 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion:131 Resp: 11214
Ion Ratio Lower Upper
131 100
133 99.9 47.3 141.8
119 70.9 34.0 101.8





#67

Ethyl Benzene

Concen: 2.41 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

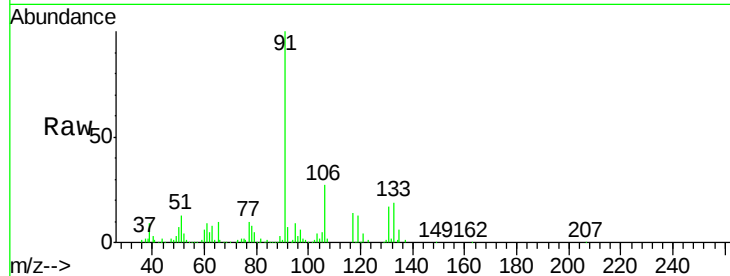
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 91 Resp: 63913

Ion Ratio Lower Upper

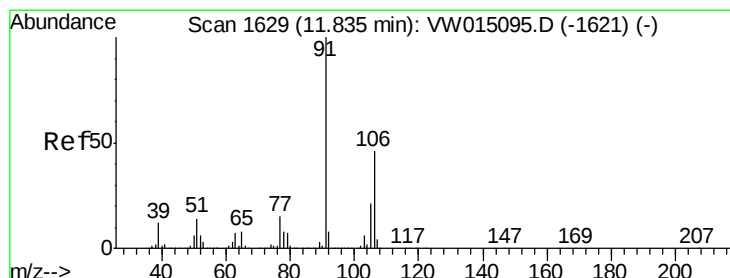
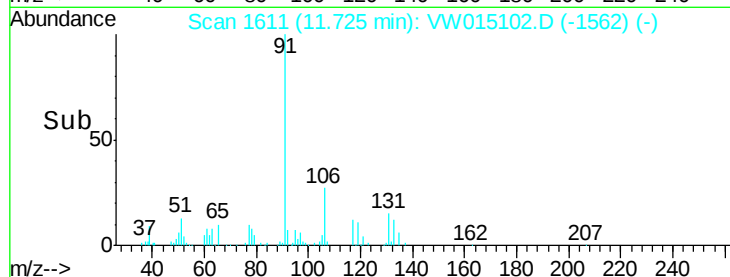
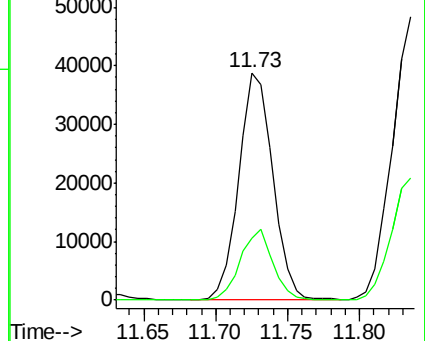
91 100

106 27.0 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: 4.46 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015102.D

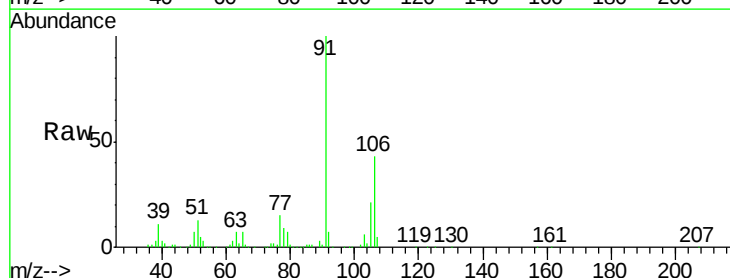
Acq: 09 Mar 2020 17:23

Tgt Ion: 106 Resp: 41839

Ion Ratio Lower Upper

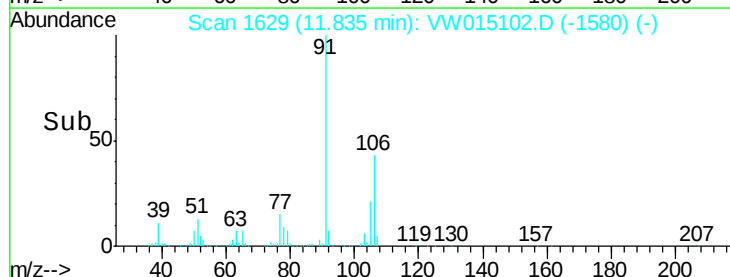
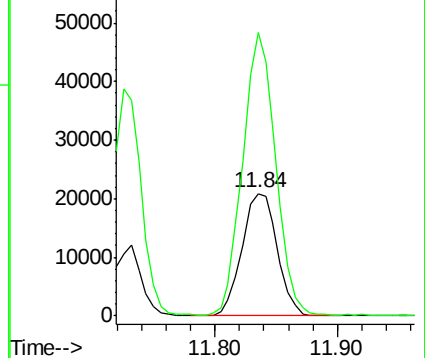
106 100

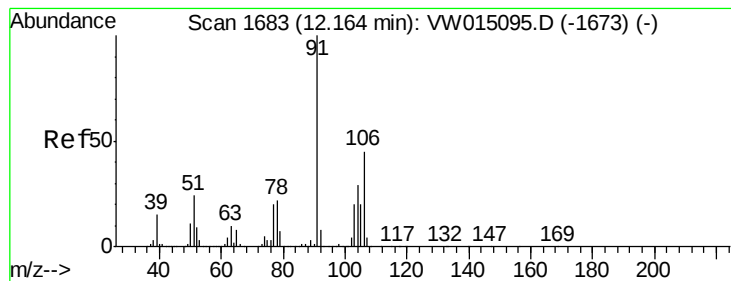
91 214.9 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

o-Xylene

Concen: 2.23 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

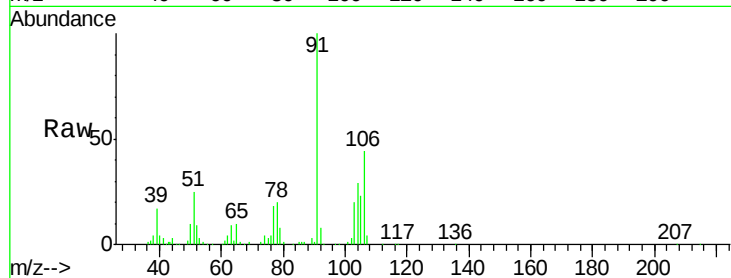
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion:106 Resp: 18878

Ion Ratio Lower Upper

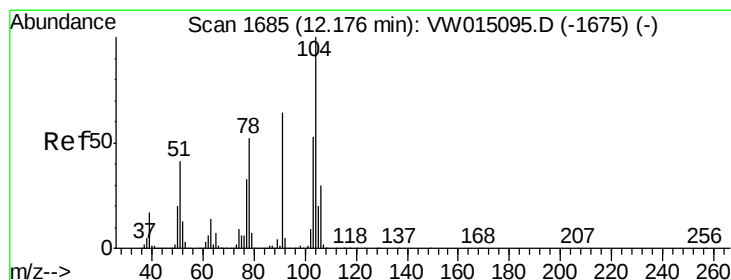
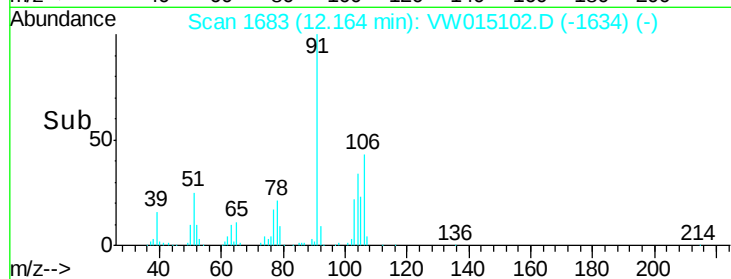
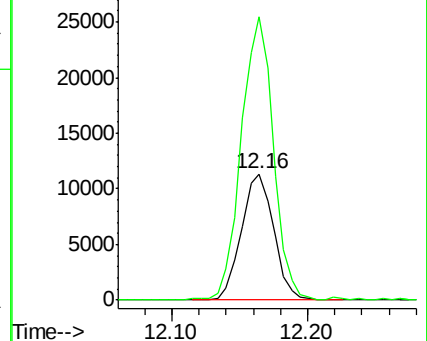
106 100

91 221.7 112.6 337.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 2.06 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

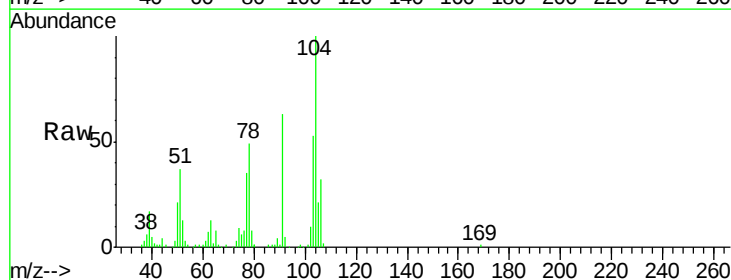
Tgt Ion:104 Resp: 29902

Ion Ratio Lower Upper

104 100

78 54.6 44.7 67.1

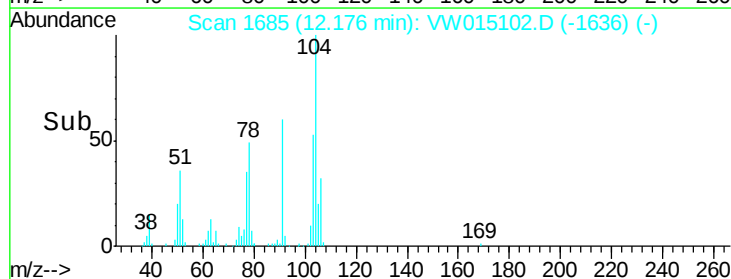
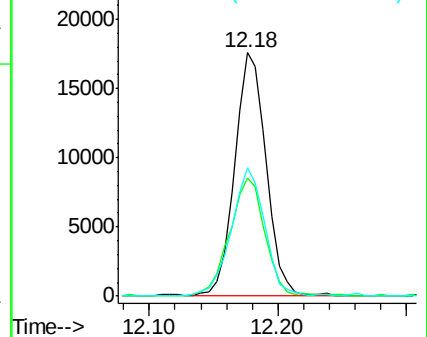
103 56.2 44.7 67.1

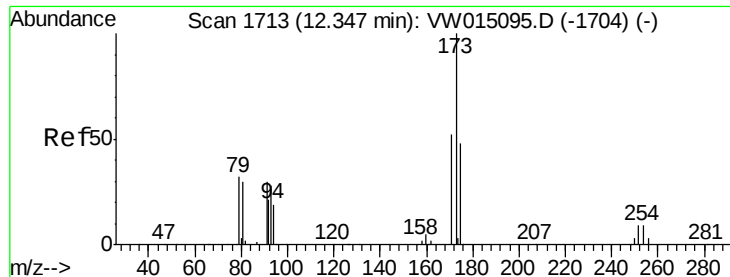


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V

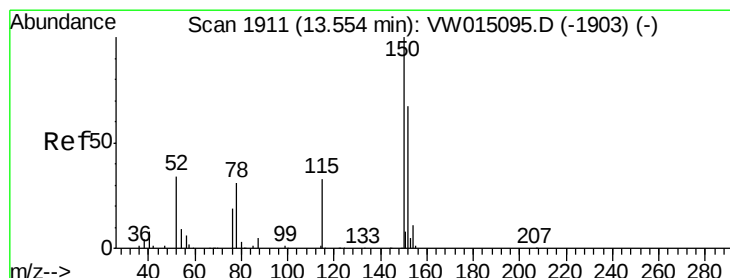
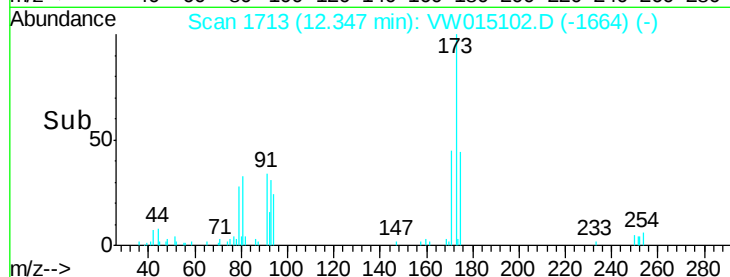
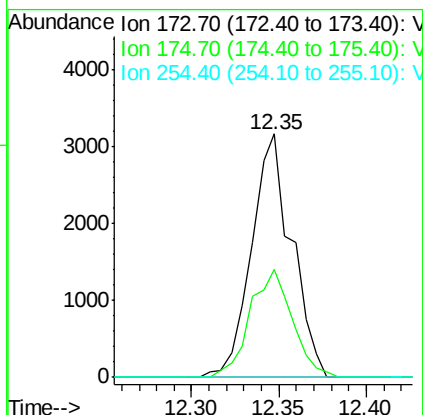
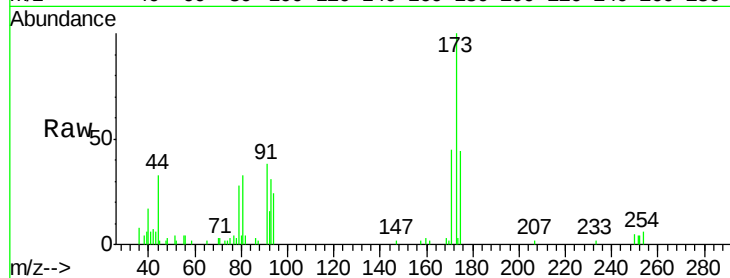




#71
 Bromoform
 Concen: 2.50 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

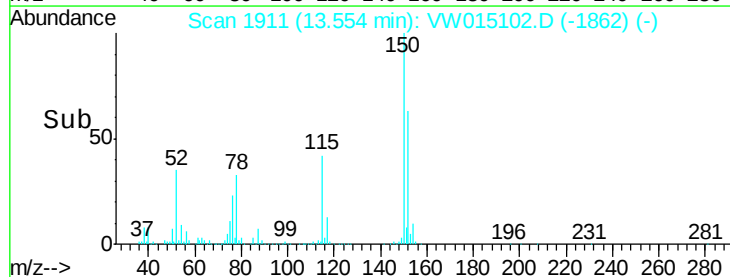
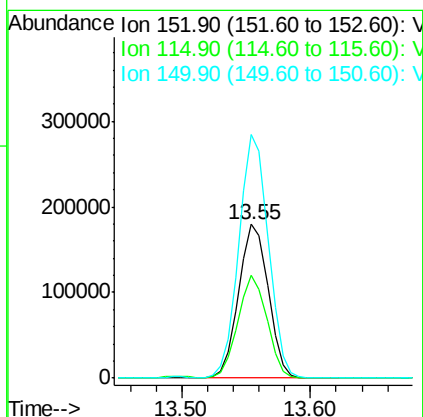
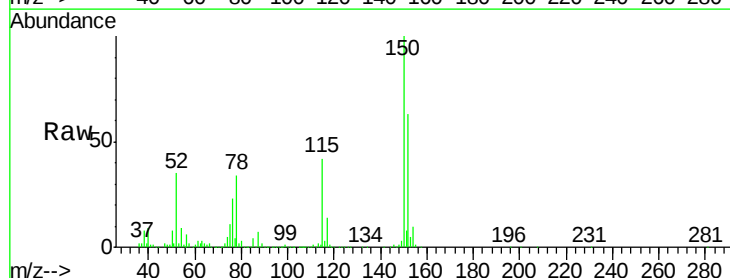
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

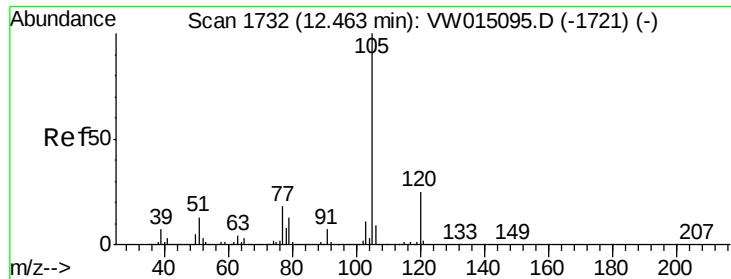
Tgt Ion:173 Resp: 5039
 Ion Ratio Lower Upper
 173 100
 175 46.7 23.8 71.4
 254 0.0 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion:152 Resp: 286159
 Ion Ratio Lower Upper
 152 100
 115 65.3 33.3 99.9
 150 157.4 0.0 351.2





#73

Isopropylbenzene

Concen: 2.22 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

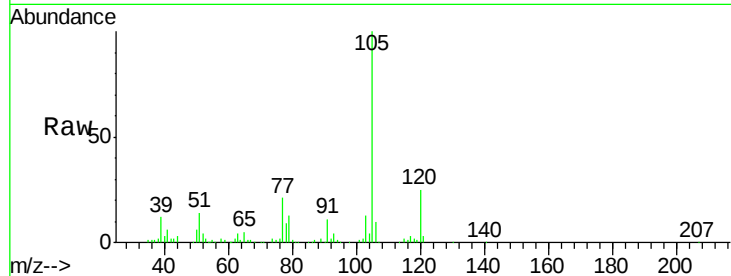
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 105 Resp: 48568

Ion Ratio Lower Upper

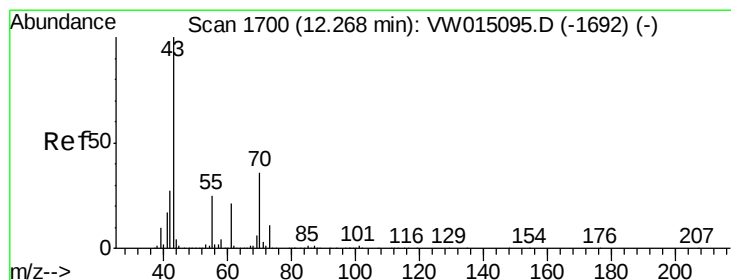
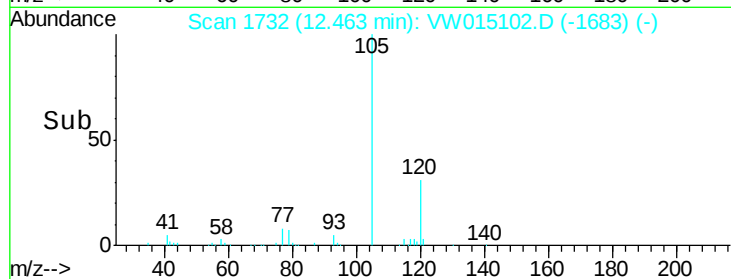
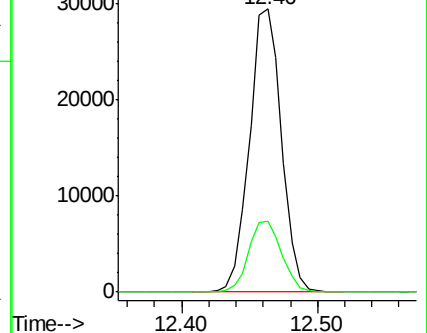
105 100

120 25.9 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: 2.24 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Tgt Ion: 43 Resp: 14447

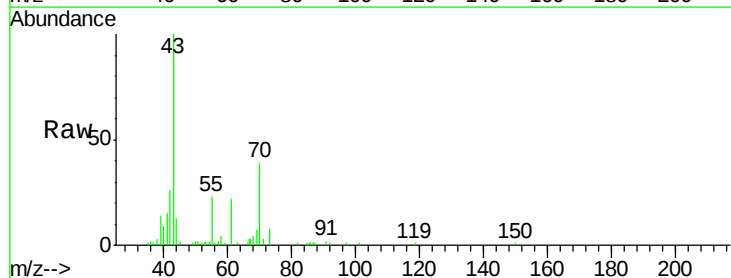
Ion Ratio Lower Upper

43 100

70 38.2 29.4 44.2

55 27.2 20.3 30.5

61 23.9 17.1 25.7

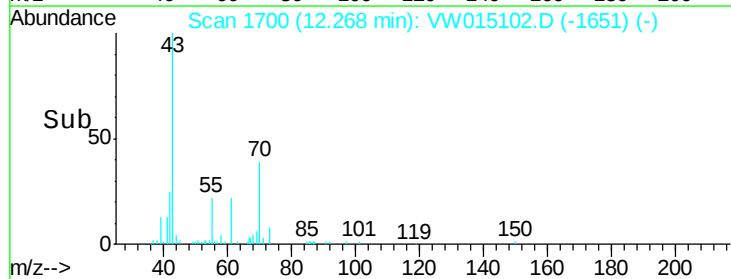
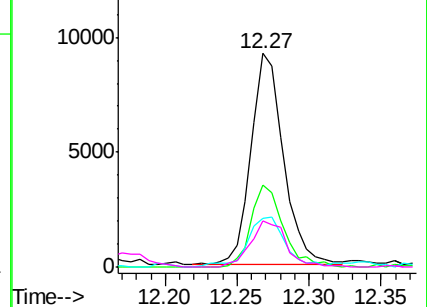


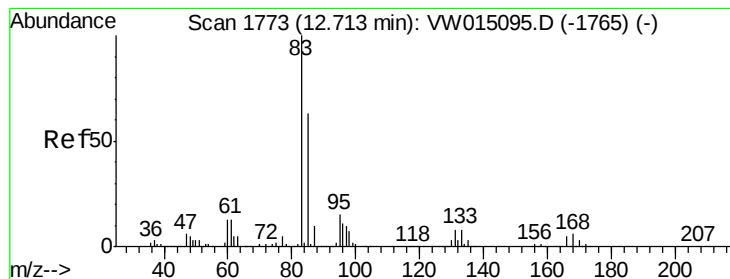
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 3.17 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

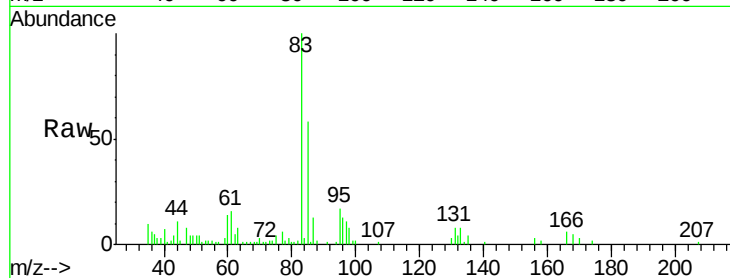
Tgt Ion: 83 Resp: 14053

Ion Ratio Lower Upper

83 100

131 7.8 4.3 13.1

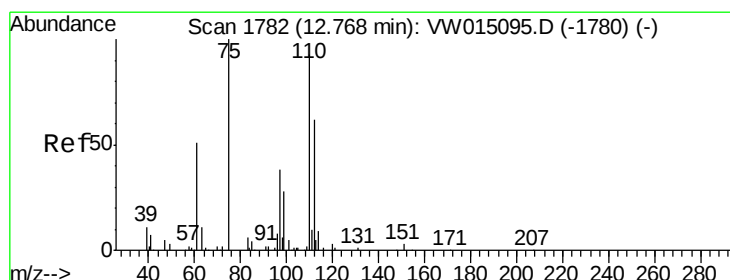
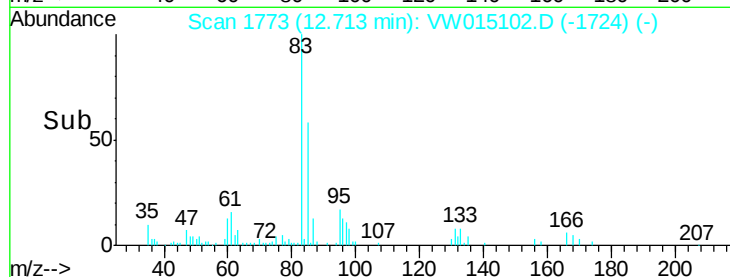
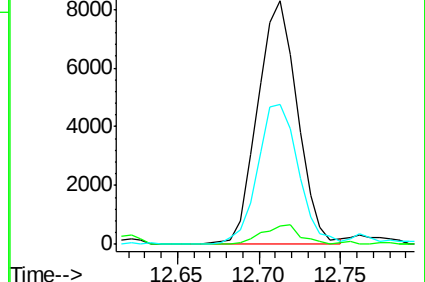
85 58.8 31.5 94.5



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: 5.11 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015102.D

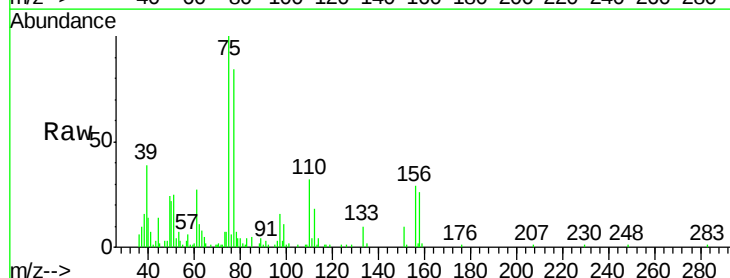
Acq: 09 Mar 2020 17:23

Tgt Ion: 75 Resp: 16535

Ion Ratio Lower Upper

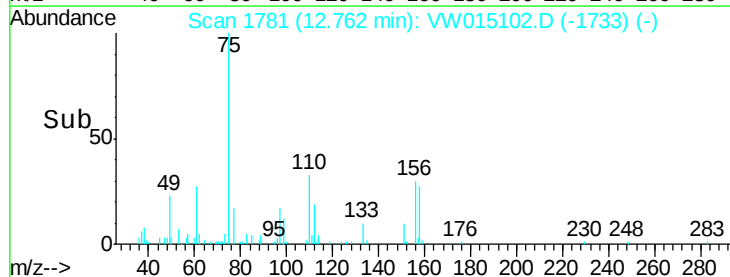
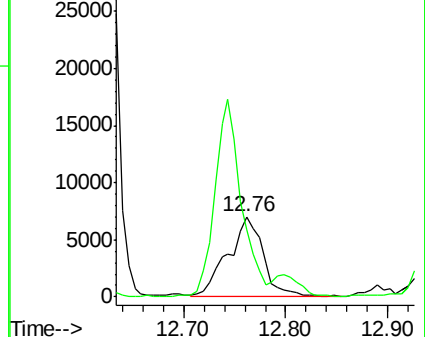
75 100

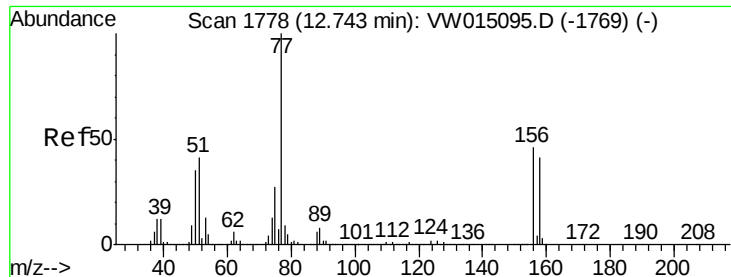
77 189.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.78 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

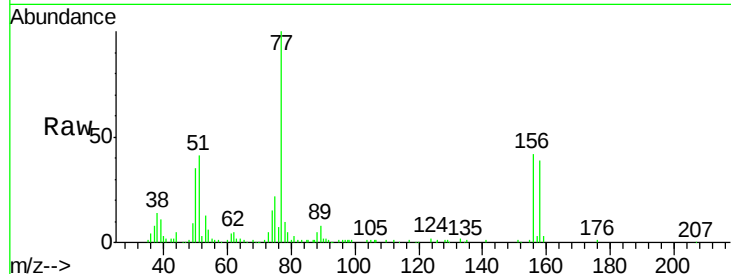
Tgt Ion: 156 Resp: 11997

Ion Ratio Lower Upper

156 100

77 261.5 126.6 379.8

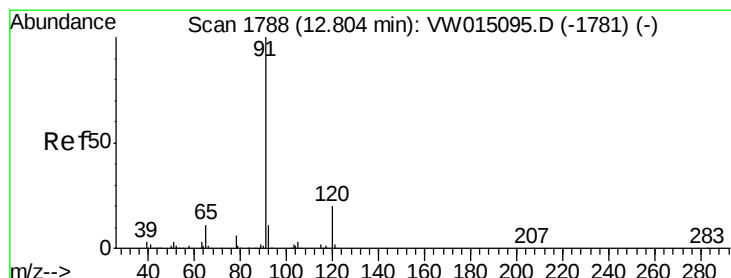
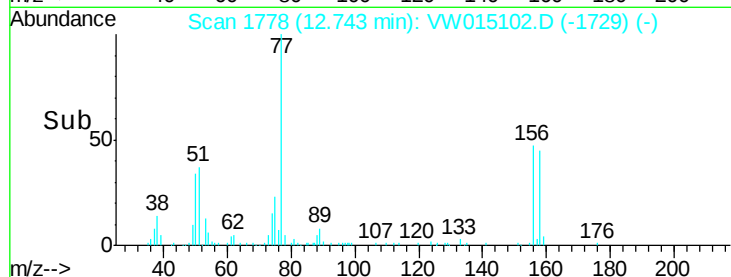
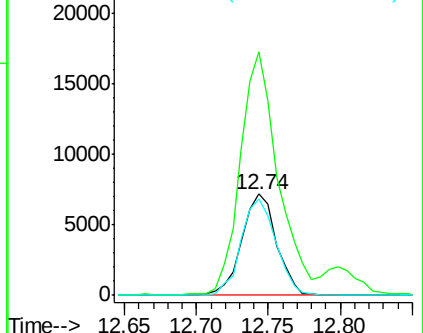
158 95.3 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.55 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW015102.D

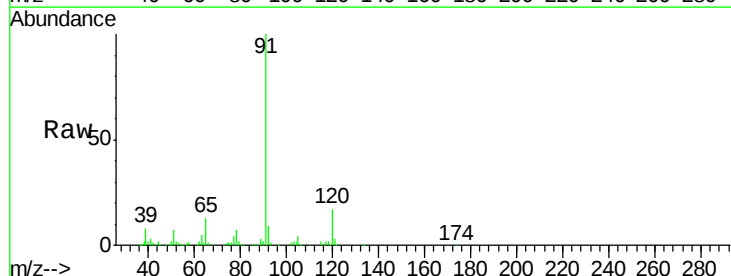
Acq: 09 Mar 2020 17:23

Tgt Ion: 91 Resp: 72310

Ion Ratio Lower Upper

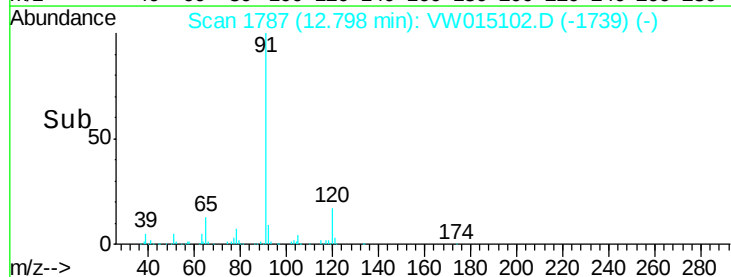
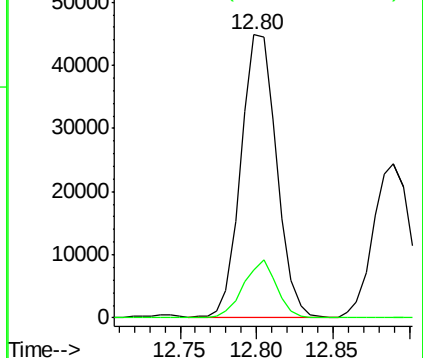
91 100

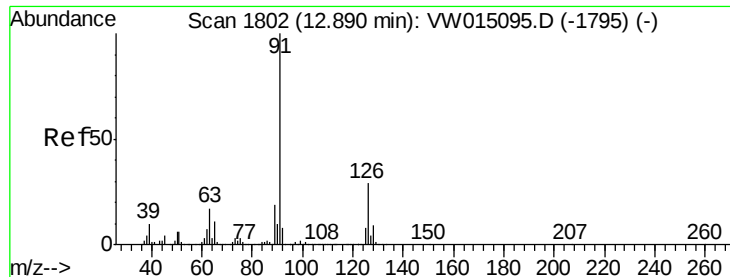
120 19.0 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.61 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

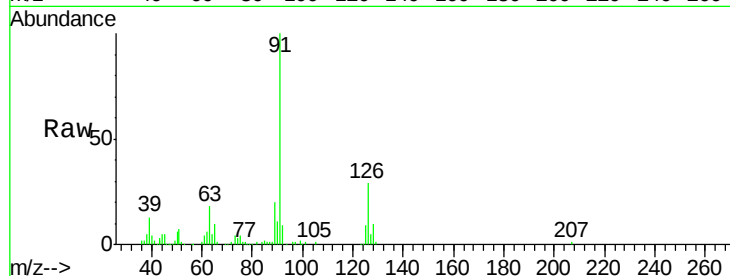
LOD-MDL-SOIL-01-QT1-2020

Tgt Ion: 91 Resp: 41720

Ion Ratio Lower Upper

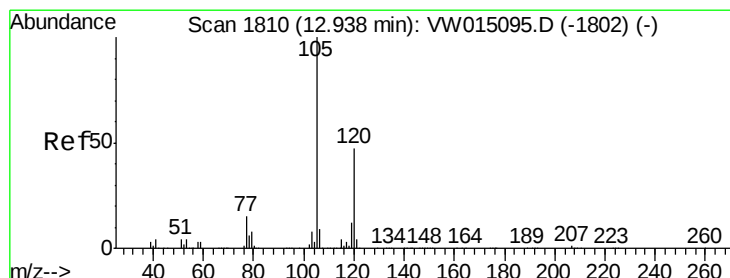
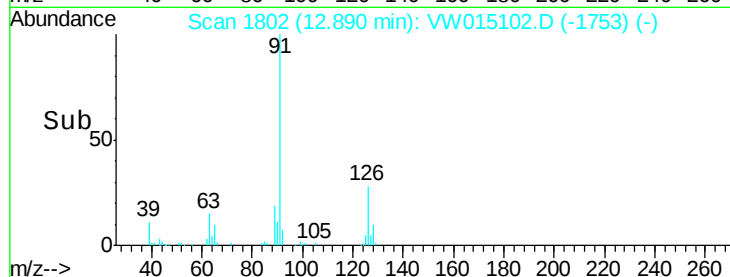
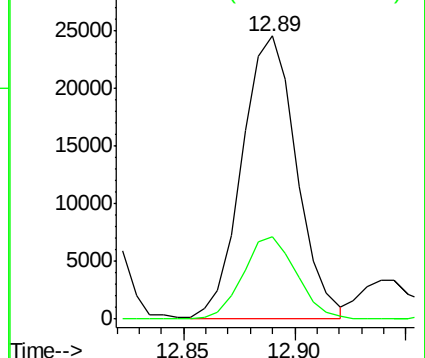
91 100

126 28.8 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: 2.33 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015102.D

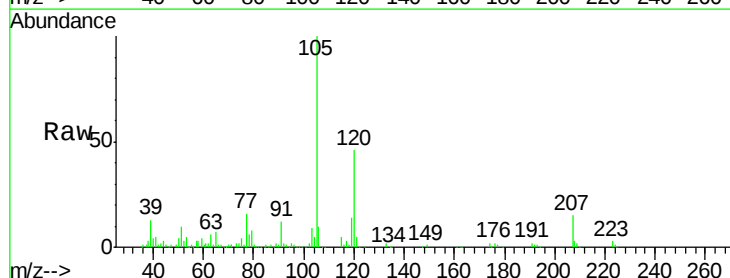
Acq: 09 Mar 2020 17:23

Tgt Ion: 105 Resp: 43840

Ion Ratio Lower Upper

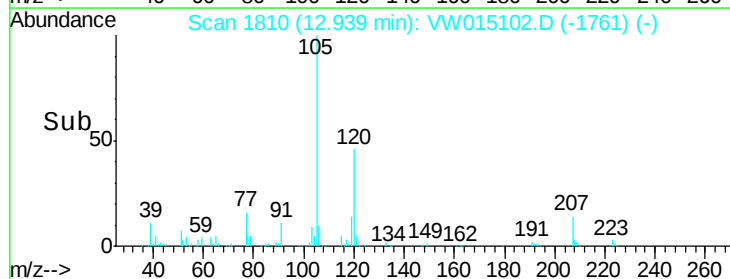
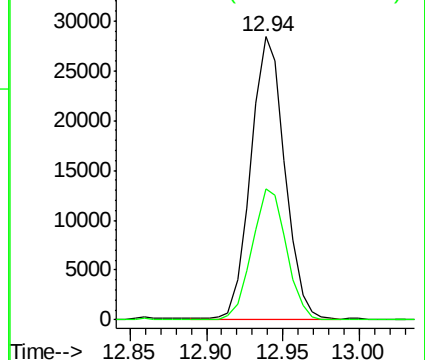
105 100

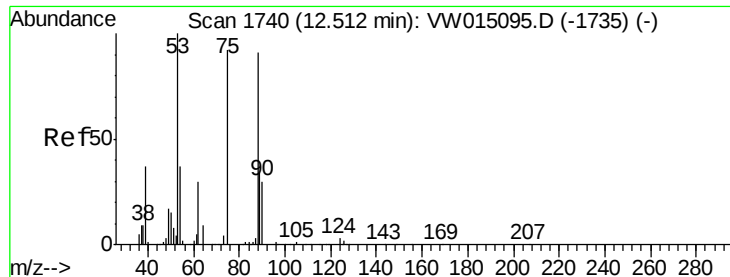
120 46.9 23.3 69.8



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: 132.42 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

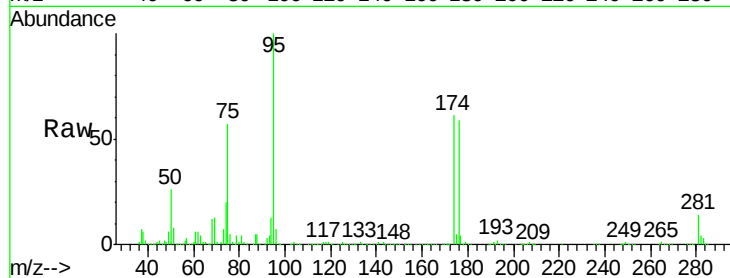
Tgt Ion: 75 Resp: 189617

Ion Ratio Lower Upper

75 100

53 0.4 88.4 132.6#

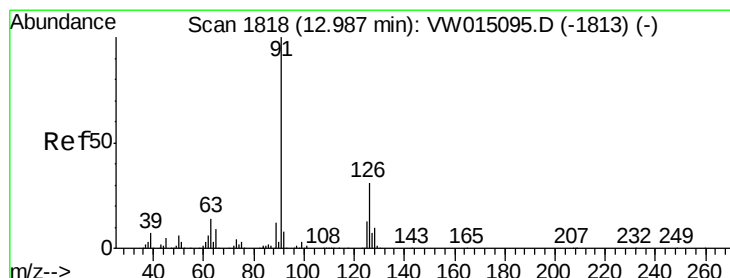
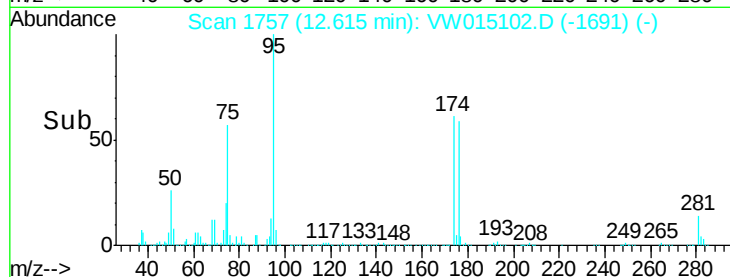
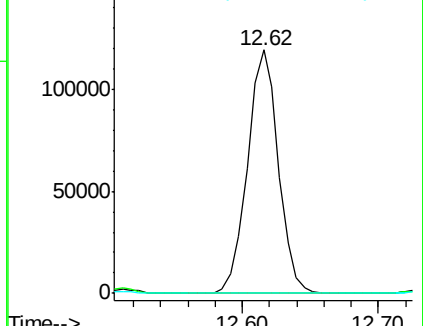
89 0.4 33.1 49.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 2.54 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015102.D

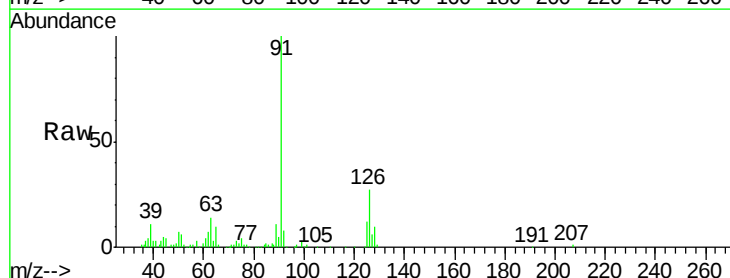
Acq: 09 Mar 2020 17:23

Tgt Ion: 91 Resp: 43170

Ion Ratio Lower Upper

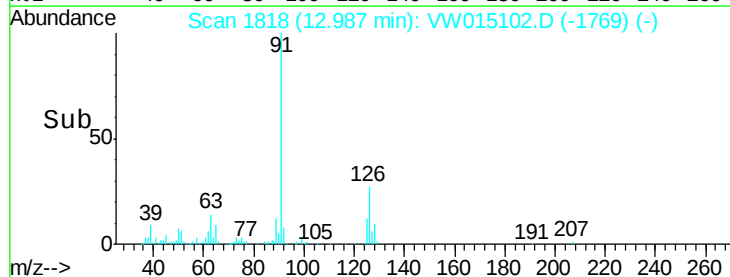
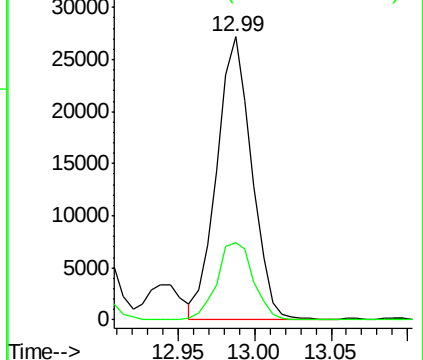
91 100

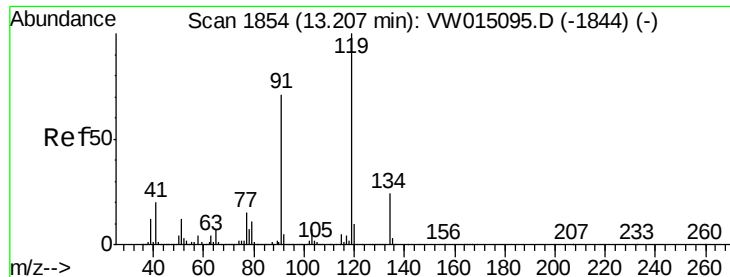
126 28.7 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

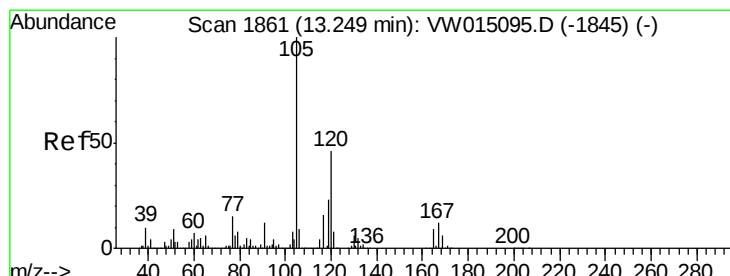
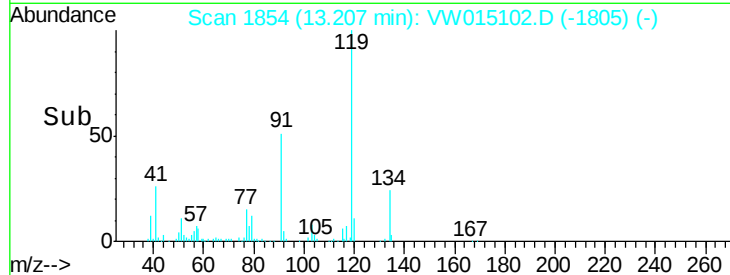
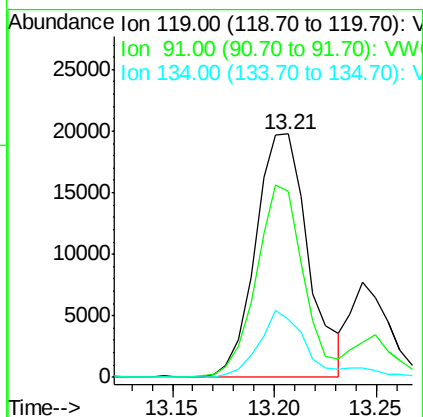
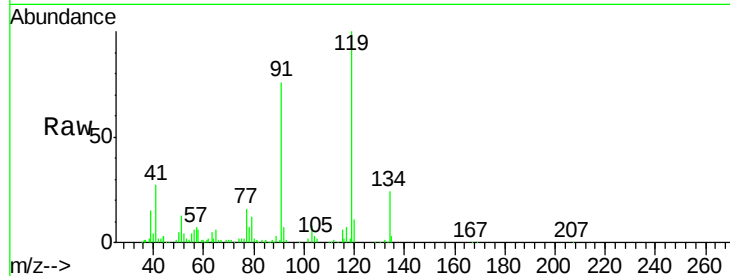




#83
 tert-Butylbenzene
 Concen: 2.34 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

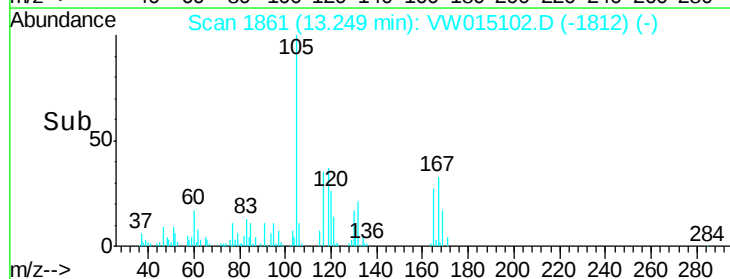
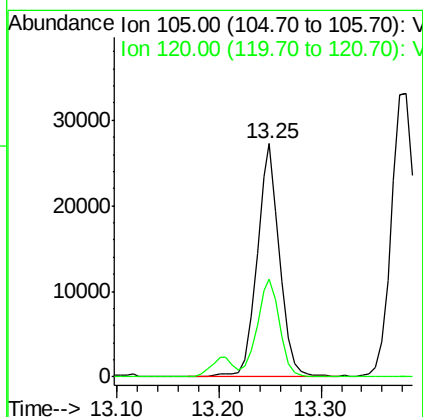
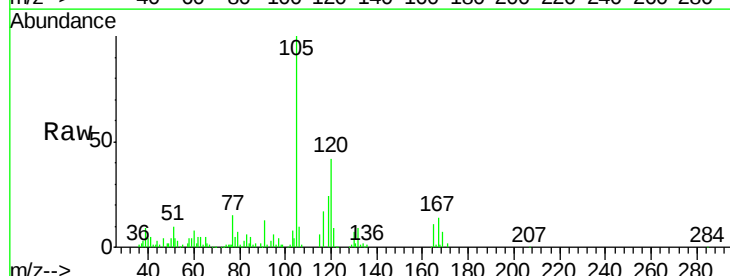
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

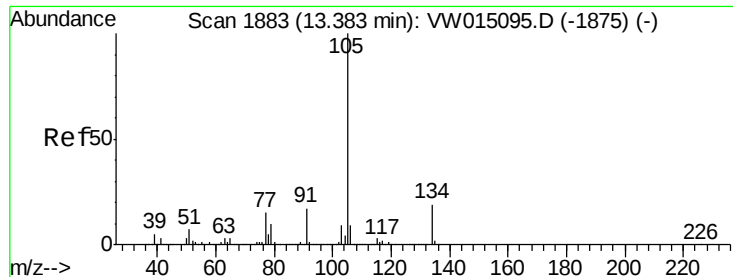
Tgt Ion:119 Resp: 35616
 Ion Ratio Lower Upper
 119 100
 91 71.3 35.7 107.1
 134 26.2 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.23 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion:105 Resp: 41954
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.1 66.3

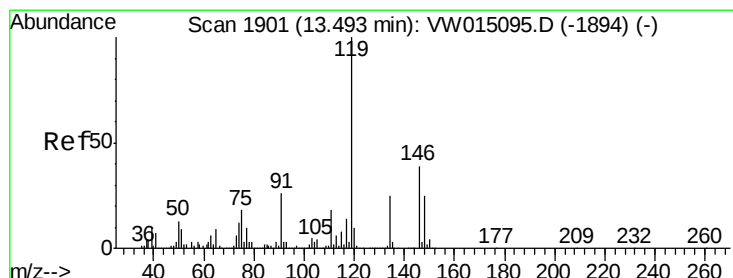
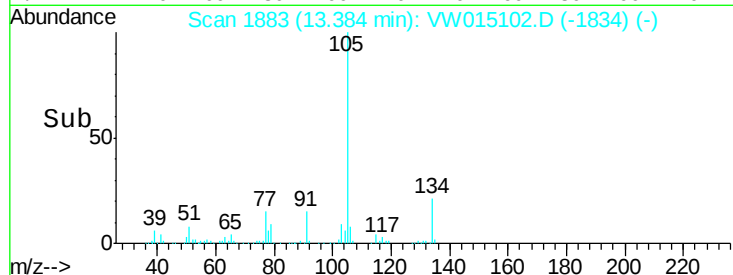
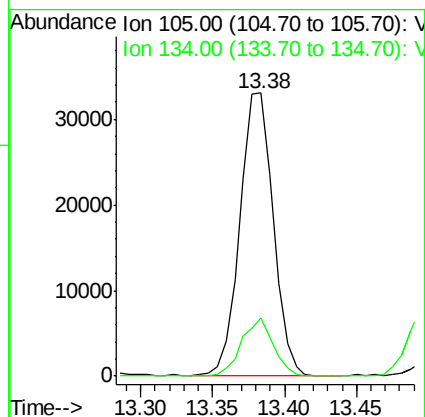
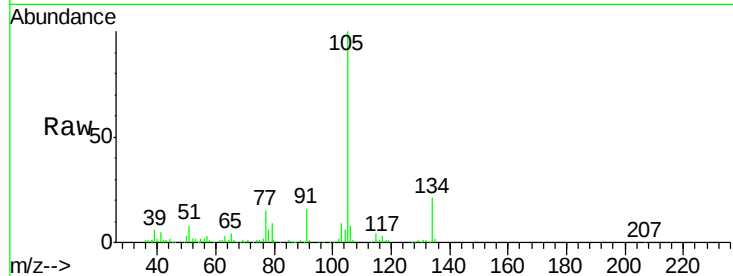




#85
 sec-Butylbenzene
 Concen: 2.32 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

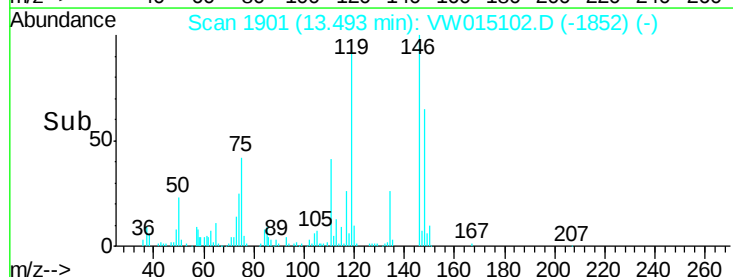
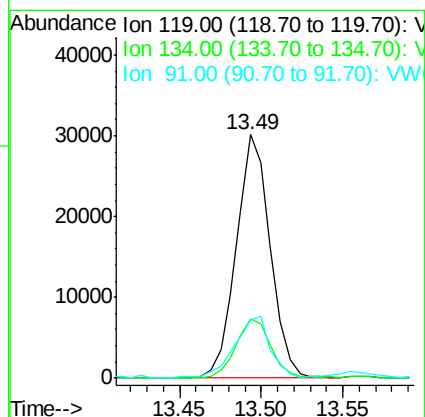
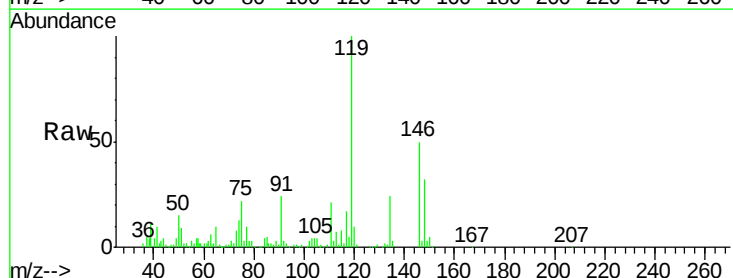
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

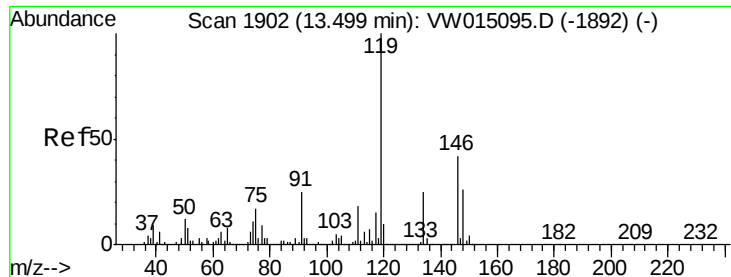
Tgt Ion:105 Resp: 53396
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 2.20 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion:119 Resp: 43613
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.6 37.8
 91 26.7 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 2.62 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

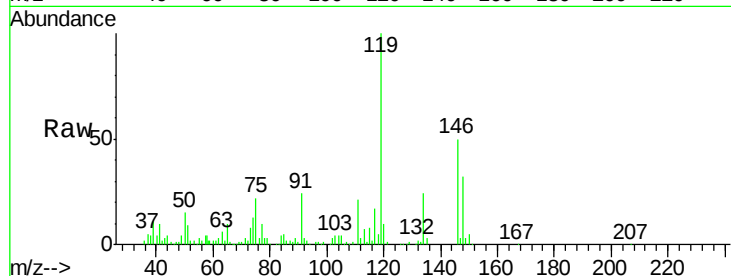
Tgt Ion:146 Resp: 24013

Ion Ratio Lower Upper

146 100

111 44.4 22.5 67.5

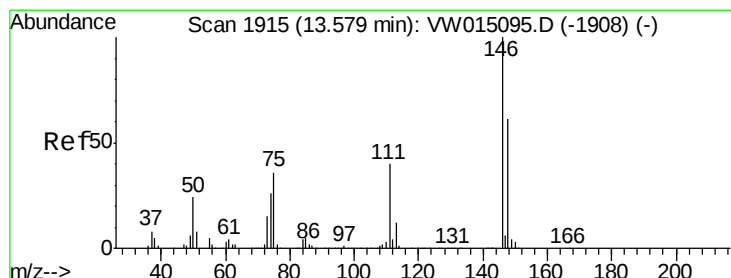
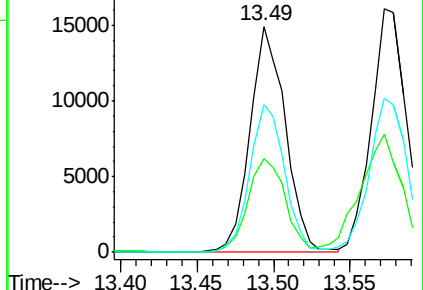
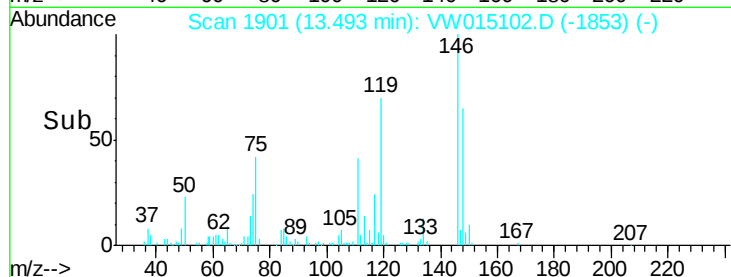
148 64.5 31.9 95.9



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: 2.86 ug/l

RT: 13.57 min Scan# 1914

Delta R.T. -0.01 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

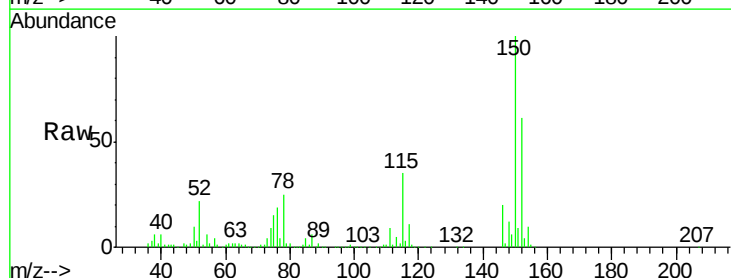
Tgt Ion:146 Resp: 25792

Ion Ratio Lower Upper

146 100

111 56.6 21.3 63.9

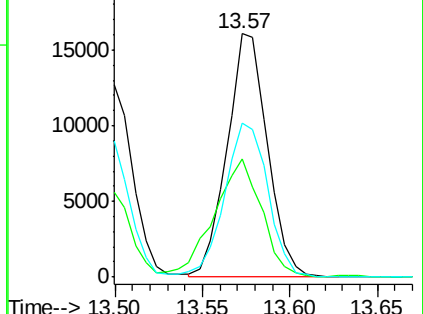
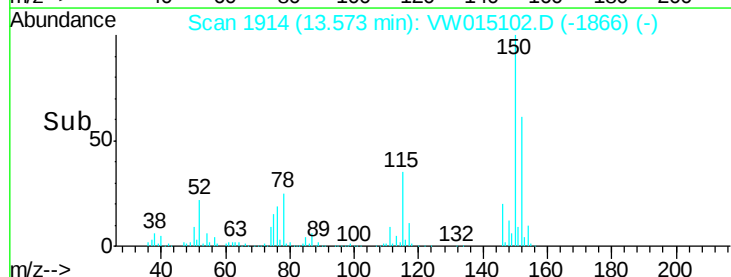
148 68.1 31.6 94.8

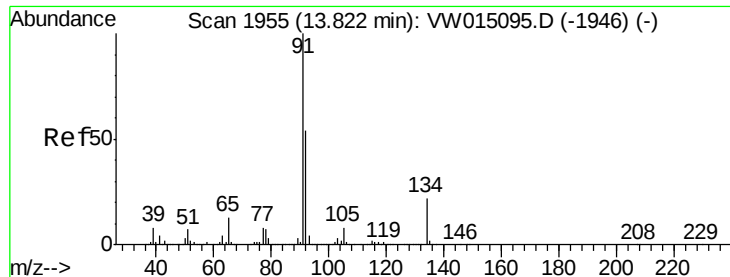


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.30 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

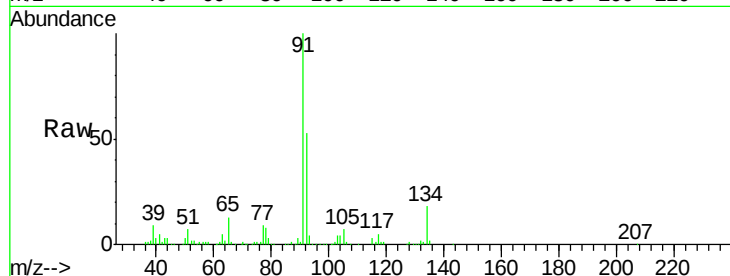
Tgt Ion: 91 Resp: 49083

Ion Ratio Lower Upper

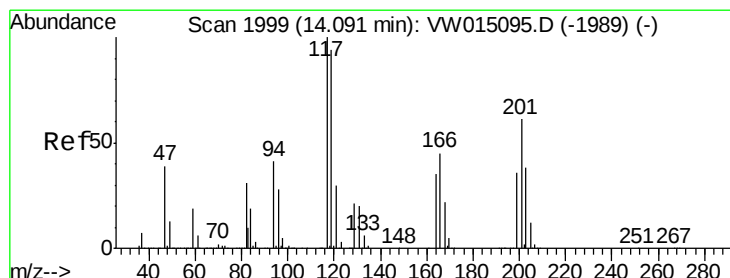
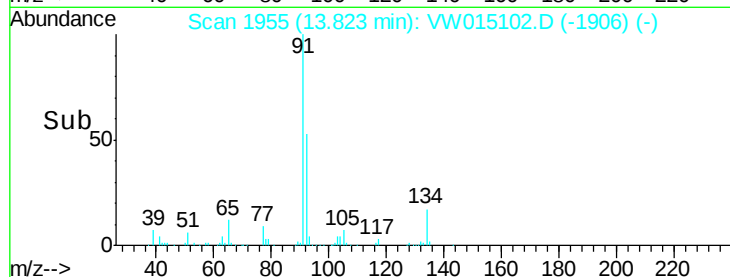
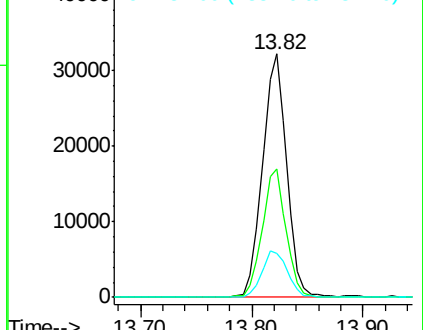
91 100

92 51.6 26.8 80.3

134 20.0 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: 2.70 ug/l

RT: 14.08 min Scan# 1998

Delta R.T. -0.01 min

Lab File: VW015102.D

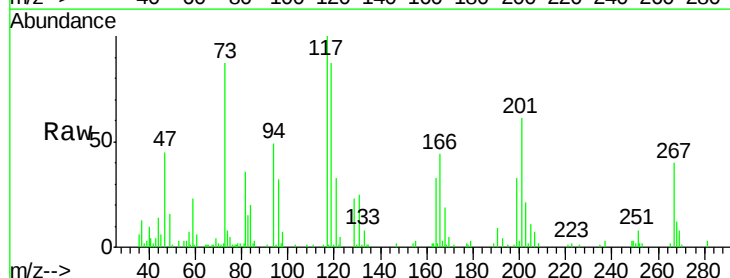
Acq: 09 Mar 2020 17:23

Tgt Ion: 117 Resp: 10730

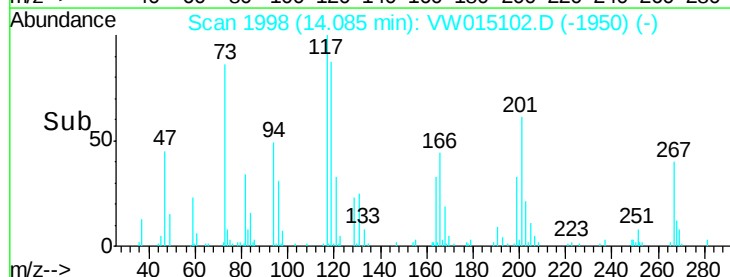
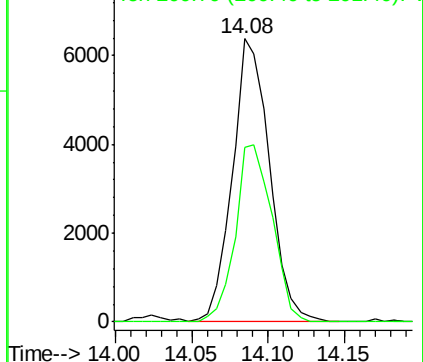
Ion Ratio Lower Upper

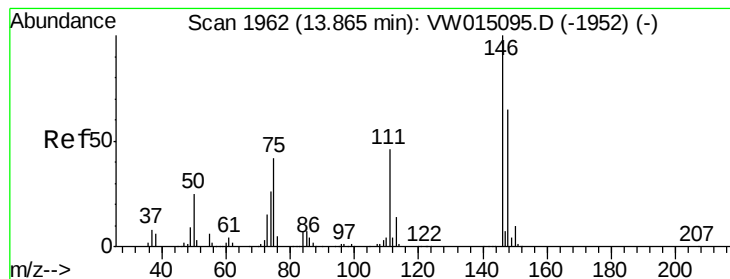
117 100

201 62.1 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: 2.68 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

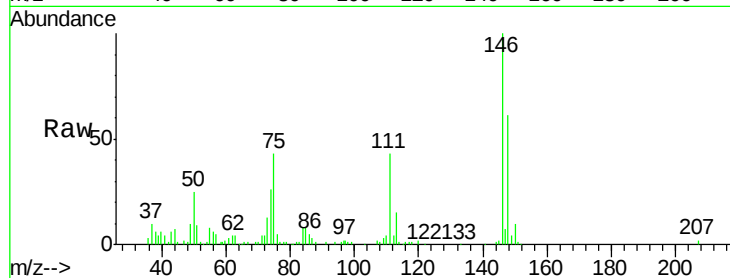
Tgt Ion:146 Resp: 21486

Ion Ratio Lower Upper

146 100

111 44.9 23.1 69.2

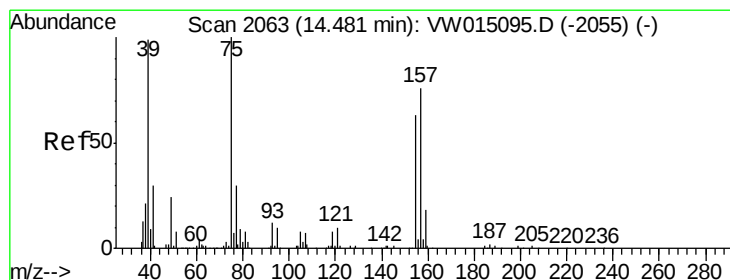
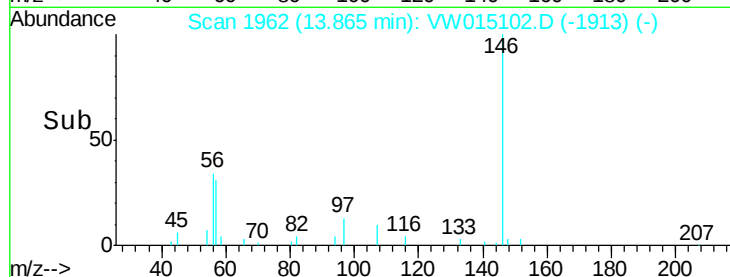
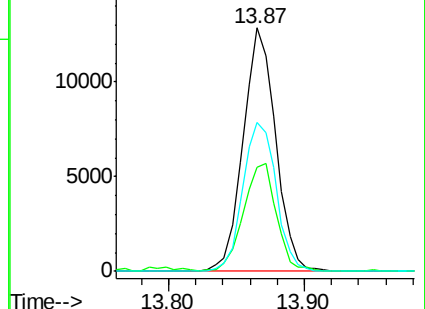
148 62.7 32.3 96.9



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: 2.94 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015102.D

Acq: 09 Mar 2020 17:23

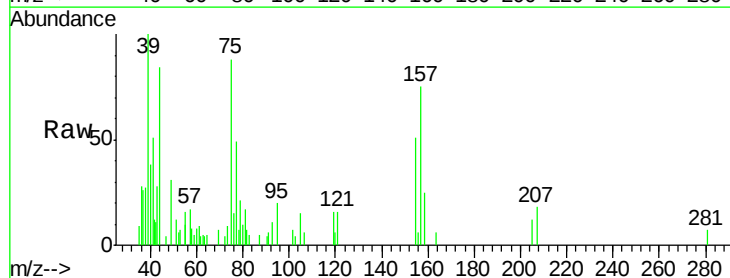
Tgt Ion: 75 Resp: 2094

Ion Ratio Lower Upper

75 100

155 61.2 32.1 96.3

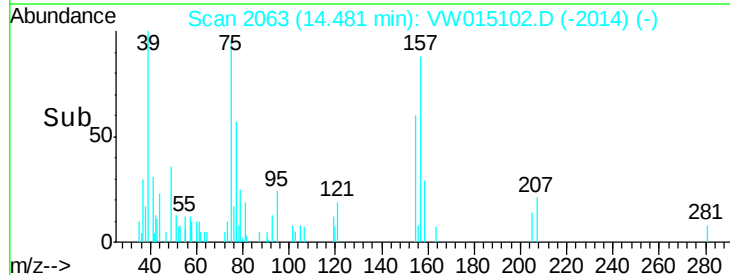
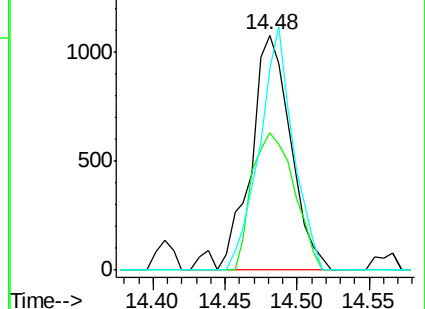
157 86.4 39.6 118.7

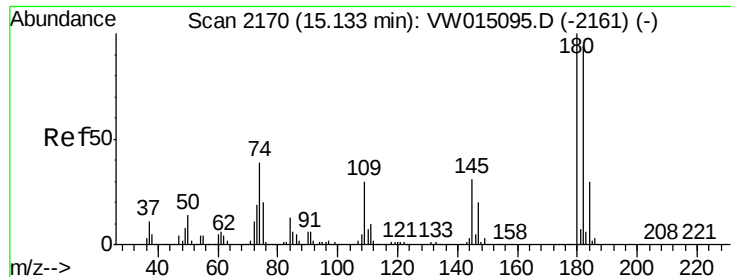


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

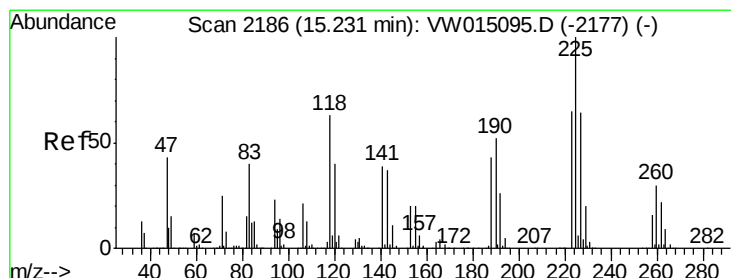
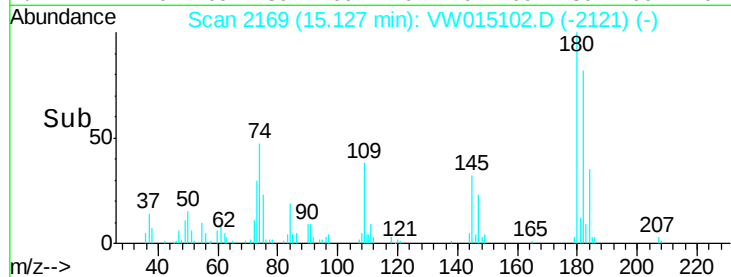
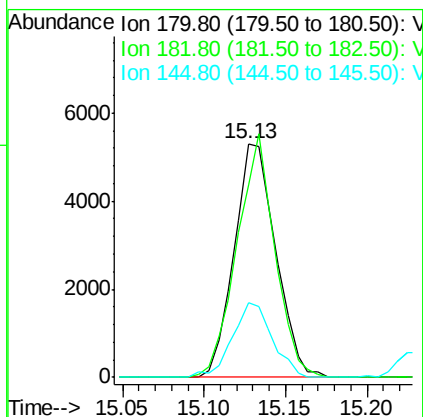
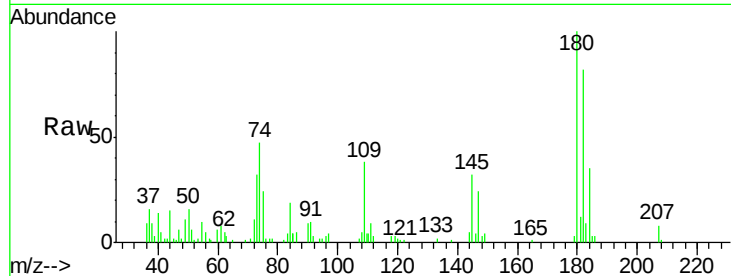




#93
 1,2,4-Trichlorobenzene
 Concen: 2.05 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

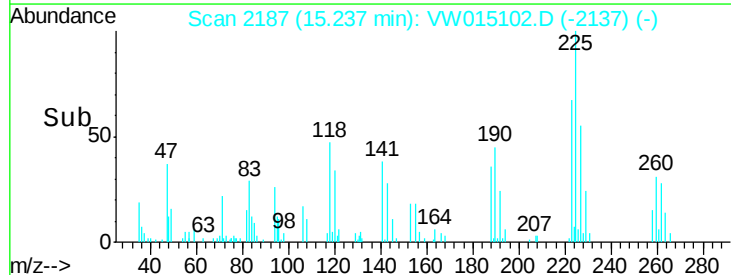
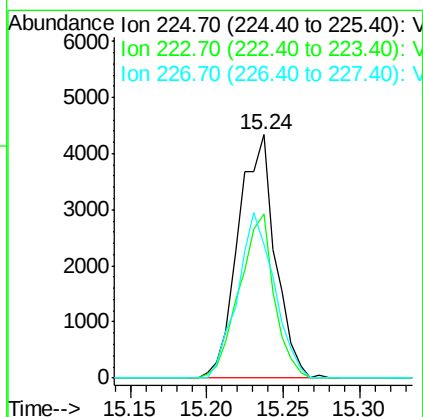
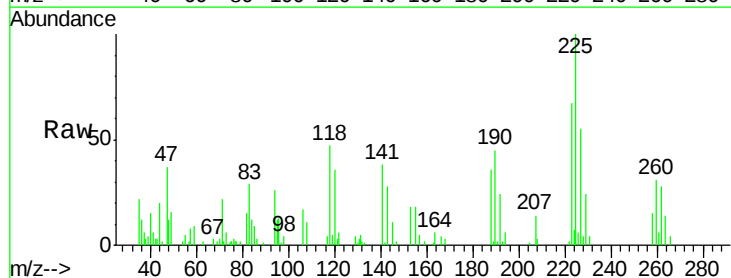
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

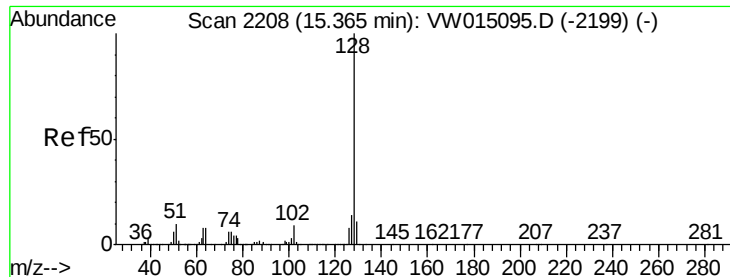
Tgt Ion:180 Resp: 9420
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.6 142.9
 145 30.6 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 2.53 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW015102.D
 Acq: 09 Mar 2020 17:23

Tgt Ion:225 Resp: 7294
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.5 97.4
 227 67.4 33.0 99.0

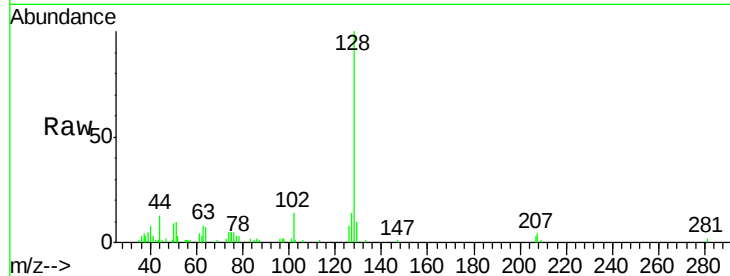




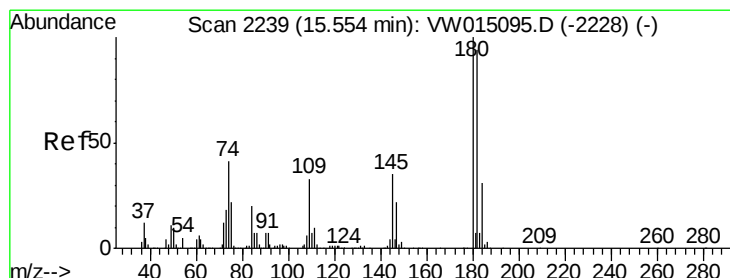
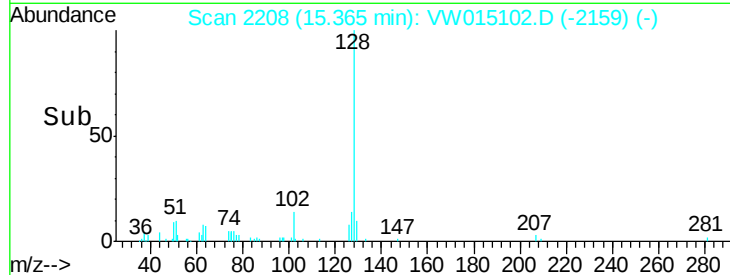
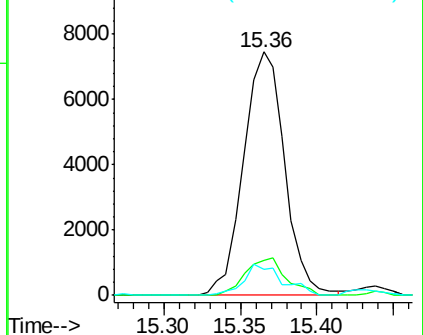
#95
Naphthalene
Concen: 1.63 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

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

Tgt Ion:128 Resp: 13973
Ion Ratio Lower Upper
128 100
127 15.1 10.7 16.1
129 11.9 8.6 12.8

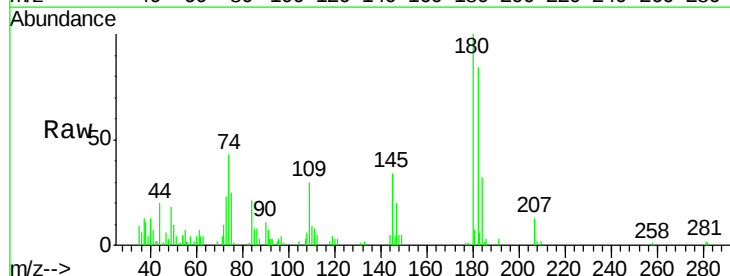


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.14 ug/l
RT: 15.55 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VW015102.D
Acq: 09 Mar 2020 17:23

Tgt Ion:180 Resp: 8726
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 38.4 17.5 52.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

