

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
 Data File : VT019053.D
 Acq On : 9 May 2018 12:50
 Operator : SY/MD
 Sample : J2133-01LOD/MDL
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

Quant Time: May 10 12:00:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 10 07:01:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1130035	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1923876	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1555712	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	689433	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	536178	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
34) Dibromofluoromethane	7.35	113	537412	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
49) Toluene-d8	9.90	98	2373577	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
61) 4-Bromofluorobenzene	12.22	95	827764	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	42562	2.94	ug/l	93
3) Chloromethane	1.95	50	18145	3.68	ug/l	92
4) Vinyl Chloride	2.09	62	19978	2.51	ug/l	98
5) Bromomethane	2.46	94	16356	2.51	ug/l	87
6) Chloroethane	2.59	64	14527	2.97	ug/l	90
8) Diethyl Ether	3.21	74	7070	2.18	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.58	101	27362	2.64	ug/l	97
10) Methyl Iodide	3.75	142	36368	2.42	ug/l #	88
11) Tert butyl alcohol	4.55	59	7491	13.81	ug/l #	53
12) 1,1-Dichloroethene	3.56	96	24614	2.67	ug/l	89
13) Acrolein	3.40	56	2825	10.67	ug/l #	51
14) Allyl chloride	4.06	41	48570	2.44	ug/l #	81
15) Acrylonitrile	4.70	53	23440	11.22	ug/l #	78
16) Acetone	3.59	43	16952	14.89	ug/l	95
18) Methyl Acetate	4.06	43	12917	2.21	ug/l #	88
19) Methyl tert-butyl Ether	4.75	73	40858	1.77	ug/l #	73
20) Methylene Chloride	4.29	84	33148	2.70	ug/l	97
21) trans-1,2-Dichloroethene	4.75	96	32032	2.35	ug/l #	77
22) Diisopropyl ether	5.67	45	69802	1.89	ug/l	91
23) Vinyl Acetate	5.61	43	141970	8.68	ug/l #	93
24) 1,1-Dichloroethane	5.56	63	56385	2.19	ug/l #	93
25) 2-Butanone	6.57	43	25644	10.00	ug/l #	84
26) 2,2-Dichloropropane	6.55	77	29352	2.82	ug/l	92
27) cis-1,2-Dichloroethene	6.55	96	29137	2.18	ug/l	83
28) Bromochloromethane	6.94	49	18394	2.15	ug/l	92
29) Chloroform	7.13	83	53864	2.23	ug/l	93
30) Cyclohexane	7.44	56	82959	2.97	ug/l #	47
31) 1,1,1-Trichloroethane	7.33	97	39752	2.13	ug/l #	71
35) 1,1-Dichloropropene	7.57	75	50797	2.29	ug/l	92
36) Ethyl Acetate	6.66	43	11618	2.03	ug/l #	90
37) Carbon Tetrachloride	7.54	117	35959	1.98	ug/l #	87
38) Methylcyclohexane	8.88	83	53687	2.03	ug/l #	92
39) Benzene	7.82	78	125367	2.16	ug/l #	1
40) Methacrylonitrile	6.90	41	4699	1.86	ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.91	62	25701	2.04	ug/l	89
42) Isopropyl Acetate	7.96	43	17464	1.78	ug/l	97
43) Trichloroethene	8.63	130	30015	2.25	ug/l	81
44) 1,2-Dichloropropane	8.92	63	31144	2.29	ug/l	98
45) Dibromomethane	9.01	93	9776	1.83	ug/l #	87
46) Bromodichloromethane	9.21	83	30478	1.96	ug/l #	88
47) Methyl methacrylate	9.01	41	8245	1.62	ug/l #	71
48) 1,4-Dioxane	9.01	88	1938	20.57	ug/l #	49
50) 4-Methyl-2-Pentanone	9.79	43	53988	10.01	ug/l #	73
51) Toluene	9.97	92	77930	2.33	ug/l	93
52) t-1,3-Dichloropropene	10.21	75	21986	1.56	ug/l #	88
53) cis-1,3-Dichloropropene	9.65	75	30531	1.70	ug/l	90
54) 1,1,2-Trichloroethane	10.38	97	17318	2.14	ug/l	91
55) Ethyl methacrylate	10.25	69	16133	1.66	ug/l #	88
56) 1,3-Dichloropropane	10.53	76	31291	2.16	ug/l	95
57) 2-Chloroethyl Vinyl ether	9.51	63	32075	7.17	ug/l #	81
58) 2-Hexanone	10.57	43	36813	9.41	ug/l	92
59) Dibromochloromethane	10.71	129	13357	1.58	ug/l	97
60) 1,2-Dibromoethane	10.82	107	12360	1.76	ug/l	97
63) Tetrachloroethene	10.45	164	24286	2.28	ug/l	89
64) Chlorobenzene	11.25	112	76809	2.38	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.33	131	20512	1.96	ug/l	91
66) Ethyl Benzene	11.33	91	144442	2.34	ug/l	98
67) m/p-Xylenes	11.44	106	97505	4.24	ug/l	96
68) o-Xylene	11.77	106	43473	2.02	ug/l	93
69) Styrene	11.79	104	66527	1.99	ug/l	92
70) Bromoform	11.95	173	6615	1.66	ug/l #	73
72) Isopropylbenzene	12.08	105	121002	2.17	ug/l	95
73) N-amyl acetate	11.90	43	18006	1.96	ug/l #	76
74) 1,1,2,2-Tetrachloroethane	12.32	83	18170	2.22	ug/l #	94
75) 1,2,3-Trichloropropane	12.37	75	11687m	1.99	ug/l	
76) Bromobenzene	12.35	156	24095	2.19	ug/l	79
77) n-propylbenzene	12.42	91	186272	3.26	ug/l	91
78) 2-Chlorotoluene	12.49	91	92231	2.26	ug/l	99
79) 1,3,5-Trimethylbenzene	12.56	105	111505	2.31	ug/l	97
80) trans-1,4-Dichloro-2-buten	12.12	75	3483m	1.58	ug/l	
81) 4-Chlorotoluene	12.60	91	114000	2.30	ug/l	95
82) tert-Butylbenzene	12.82	119	108061	2.57	ug/l	98
83) 1,2,4-Trimethylbenzene	12.86	105	116345	2.37	ug/l	96
84) sec-Butylbenzene	13.00	105	145531	2.45	ug/l	94
85) p-Isopropyltoluene	13.12	119	115335	2.31	ug/l	95
86) 1,3-Dichlorobenzene	13.11	146	57541	2.47	ug/l	91
87) 1,4-Dichlorobenzene	13.19	146	56914	2.52	ug/l	91
88) n-Butylbenzene	13.44	91	128539	2.40	ug/l	94
89) Hexachloroethane	13.70	117	16625	1.92	ug/l	94
90) 1,2-Dichlorobenzene	13.47	146	47319	2.43	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	14.09	75	4042	3.42	ug/l	76
92) 1,2,4-Trichlorobenzene	14.73	180	28340	2.18	ug/l	97
93) Hexachlorobutadiene	14.83	225	21374	2.25	ug/l	88
94) Naphthalene	14.94	128	48850	2.33	ug/l #	92

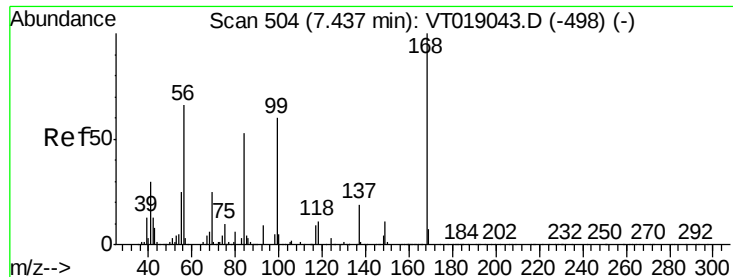
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) 1,2,3-Trichlorobenzene	15.12	180	26636	2.48	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

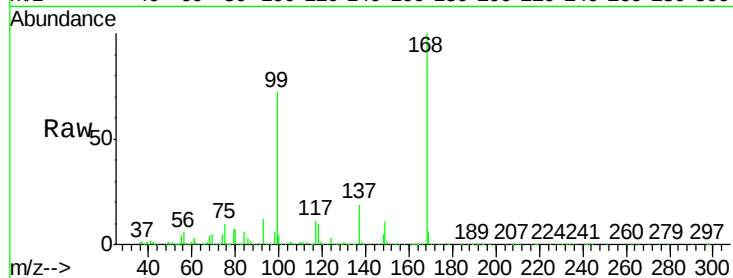
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:168 Resp: 1130035

Ion Ratio Lower Upper

168 100

99 72.1 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

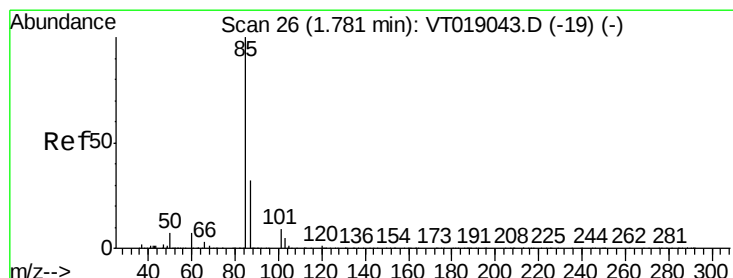
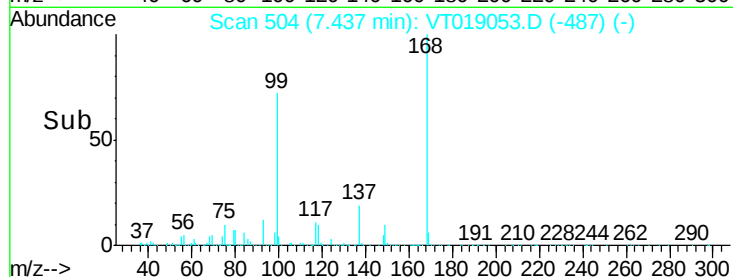
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.94 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019053.D

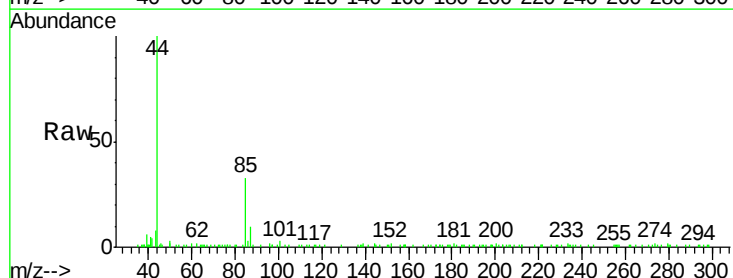
Acq: 9 May 2018 12:50

Tgt Ion: 85 Resp: 42562

Ion Ratio Lower Upper

85 100

87 28.3 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.78

10000

8000

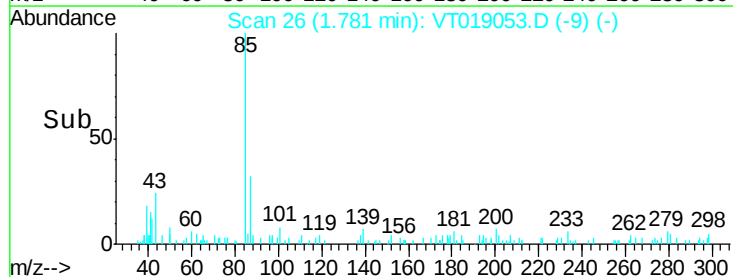
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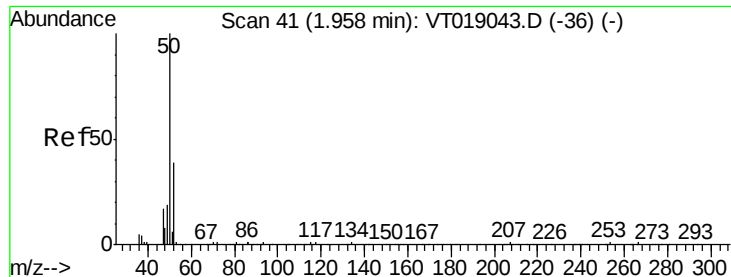
4000

2000

0

Time-->





#3

Chloromethane

Concen: 3.68 ug/l

RT: 1.95 min Scan# 40

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

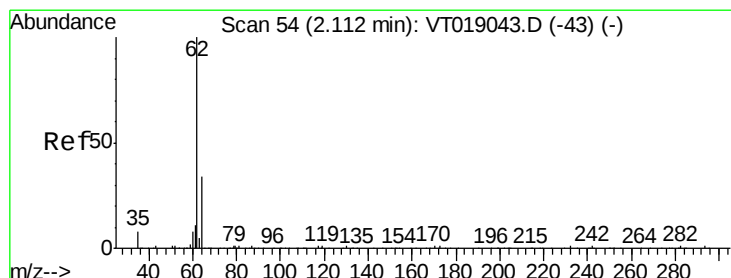
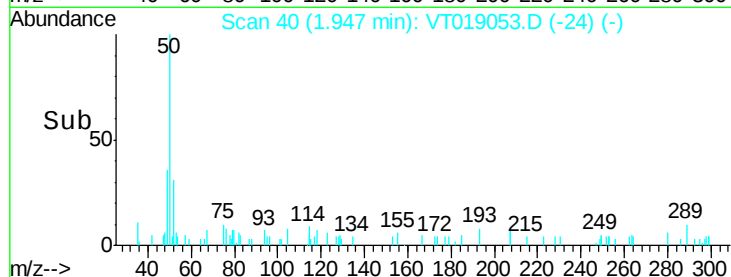
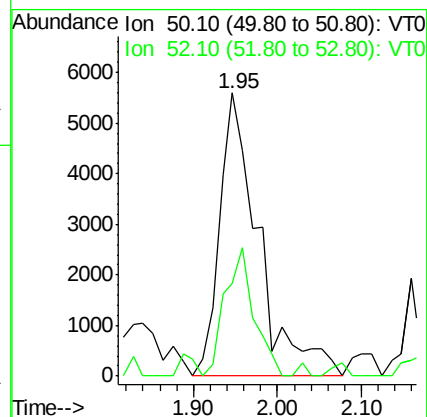
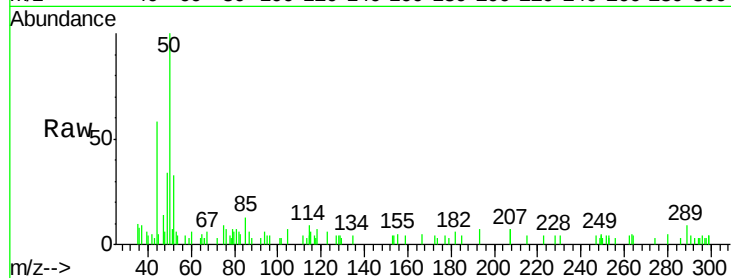
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 50 Resp: 18145

Ion Ratio Lower Upper

50 100

52 32.6 30.1 45.1



#4

Vinyl Chloride

Concen: 2.51 ug/l

RT: 2.09 min Scan# 52

Delta R.T. -0.02 min

Lab File: VT019053.D

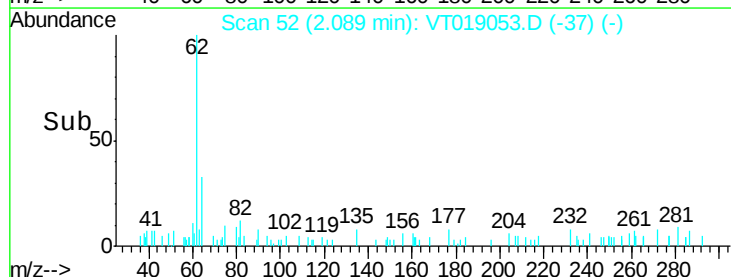
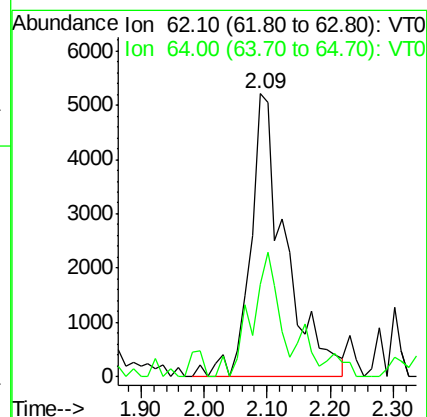
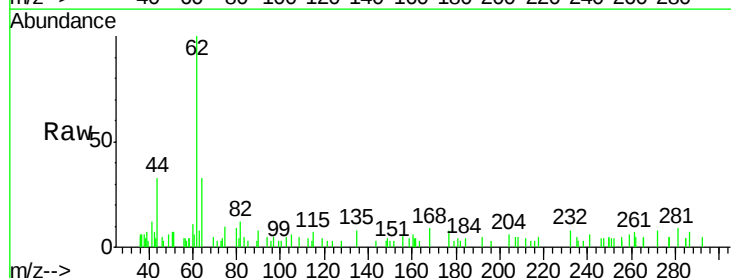
Acq: 9 May 2018 12:50

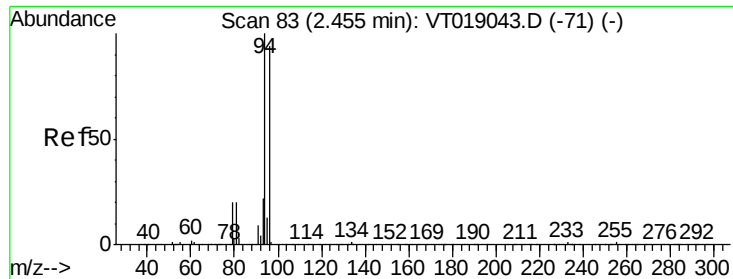
Tgt Ion: 62 Resp: 19978

Ion Ratio Lower Upper

62 100

64 32.6 27.0 40.4





#5

Bromomethane

Concen: 2.51 ug/l

RT: 2.46 min Scan# 83

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

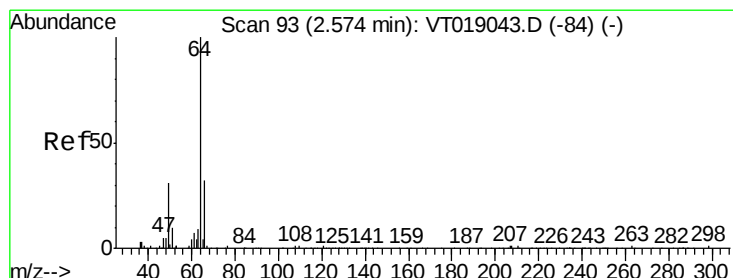
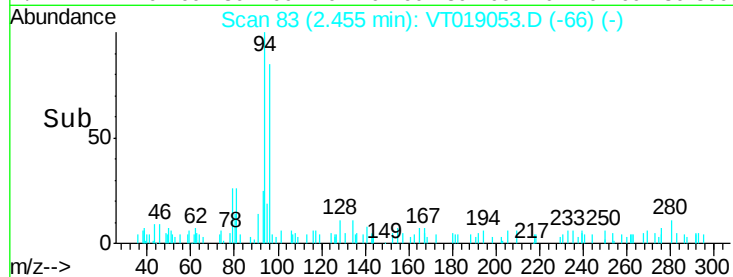
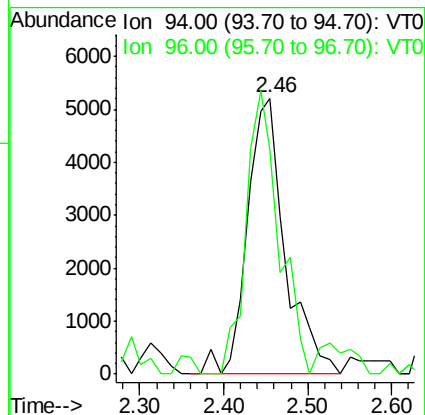
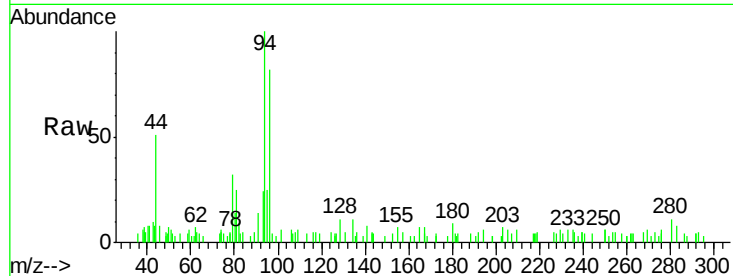
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 94 Resp: 16356

Ion Ratio Lower Upper

94 100

96 81.5 75.3 112.9



#6

Chloroethane

Concen: 2.97 ug/l

RT: 2.59 min Scan# 94

Delta R.T. 0.01 min

Lab File: VT019053.D

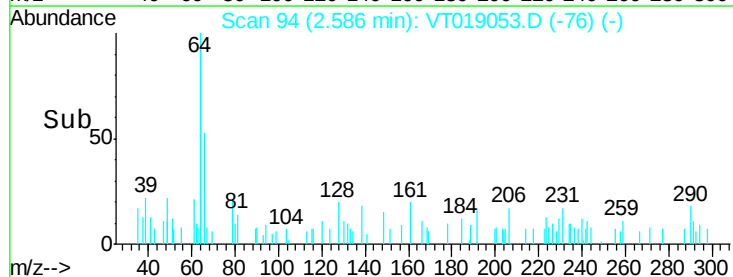
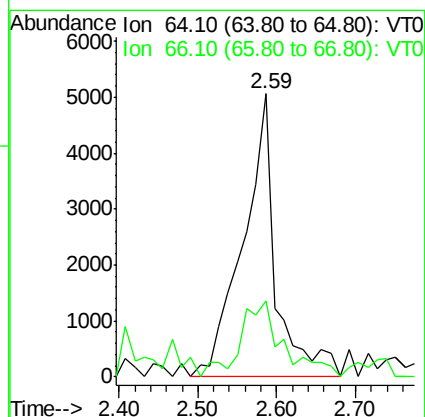
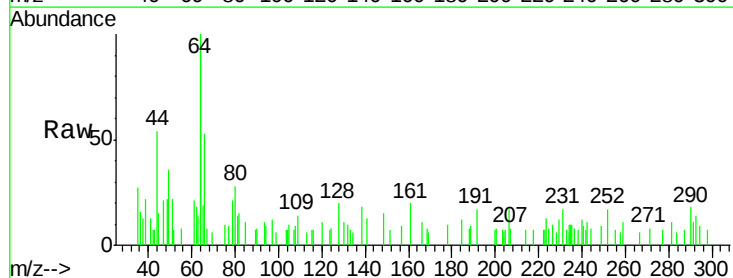
Acq: 9 May 2018 12:50

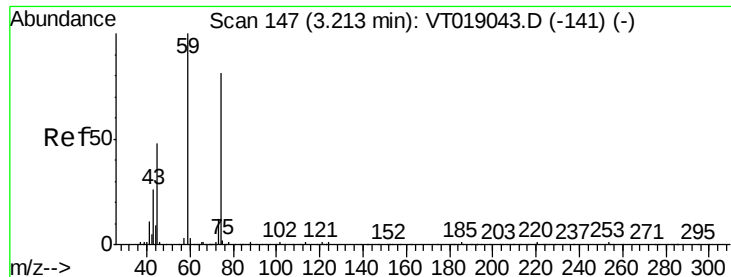
Tgt Ion: 64 Resp: 14527

Ion Ratio Lower Upper

64 100

66 26.8 25.8 38.8





#8

Diethyl Ether

Concen: 2.18 ug/l

RT: 3.21 min Scan# 147

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

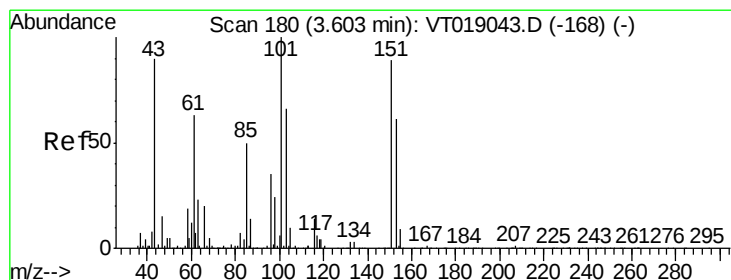
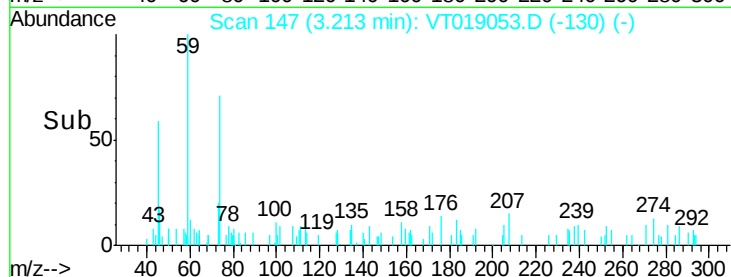
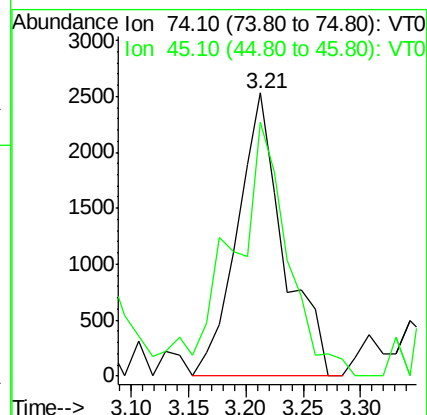
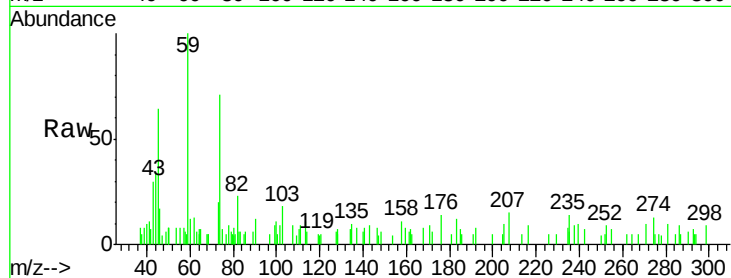
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 74 Resp: 7070

Ion Ratio Lower Upper

74 100

45 81.2 29.8 89.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.64 ug/l

RT: 3.58 min Scan# 178

Delta R.T. -0.02 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

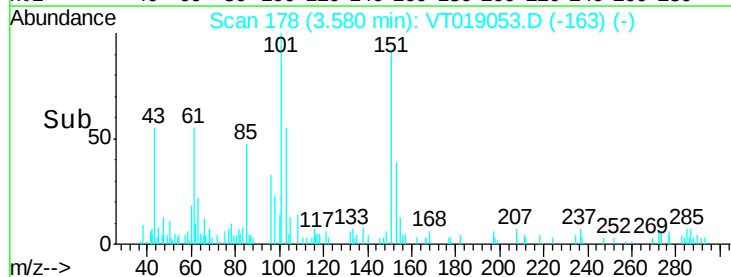
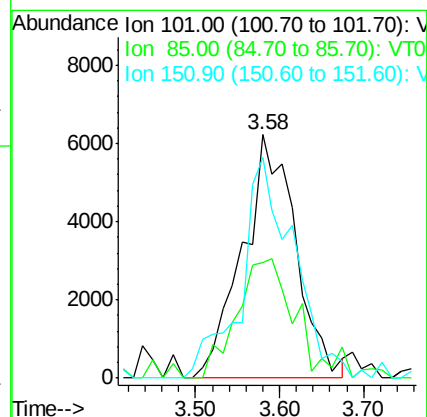
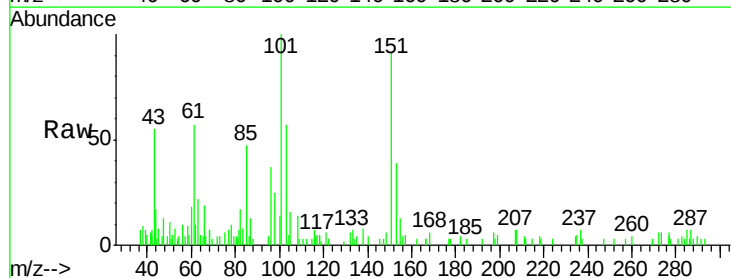
Tgt Ion:101 Resp: 27362

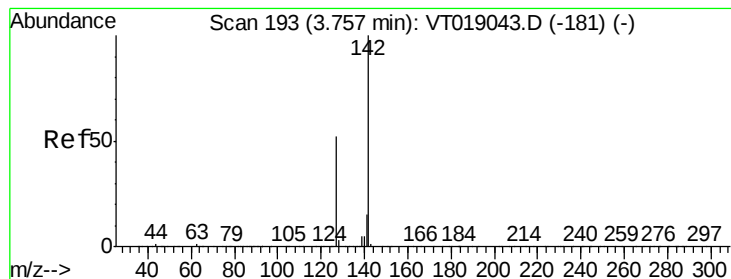
Ion Ratio Lower Upper

101 100

85 47.3 39.5 59.3

151 90.5 69.9 104.9





#10

Methyl Iodide

Concen: 2.42 ug/l

RT: 3.75 min Scan# 192

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

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LOD-MDL-SOIL-01-QT2-2018DL

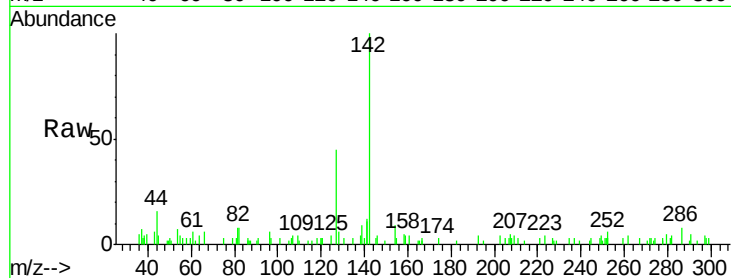
Tot Ion:142 Resp: 36368

Ion Ratio Lower Upper

142 100

127 45.0 41.8 62.8

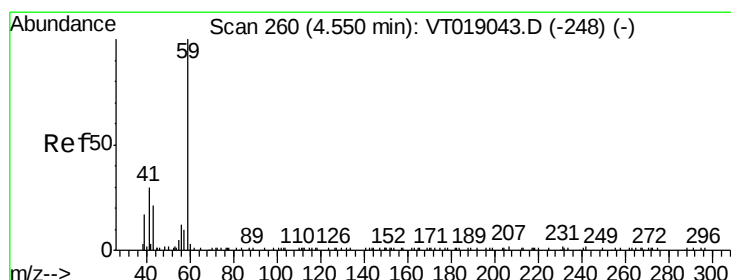
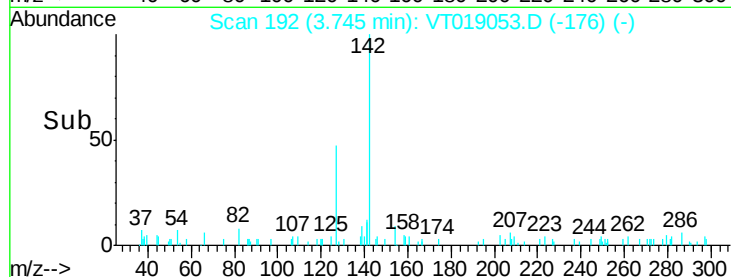
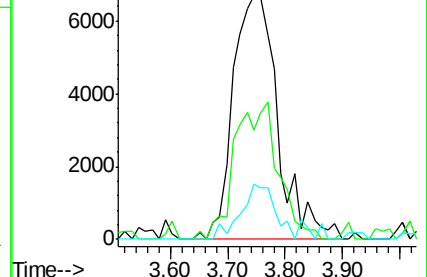
141 22.9 12.0 18.0#



Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



#11

Tert butyl alcohol

Concen: 13.81 ug/l

RT: 4.55 min Scan# 260

Delta R.T. -0.00 min

Lab File: VT019053.D

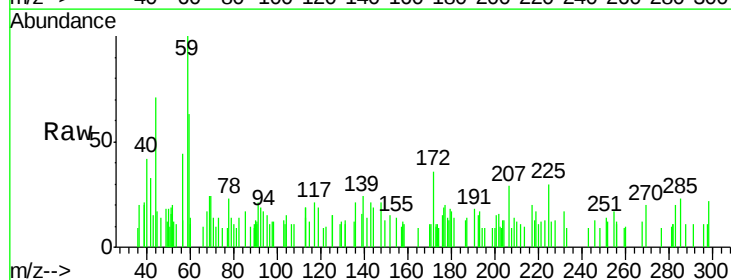
Acq: 9 May 2018 12:50

Tgt Ion: 59 Resp: 7491

Ion Ratio Lower Upper

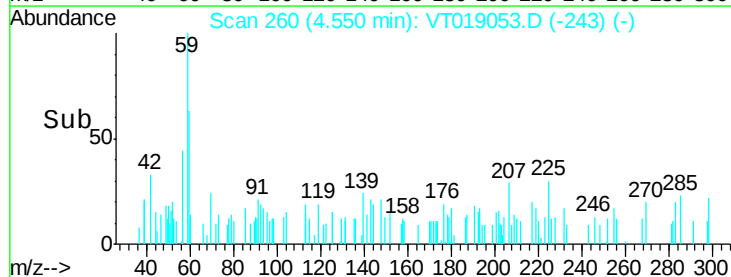
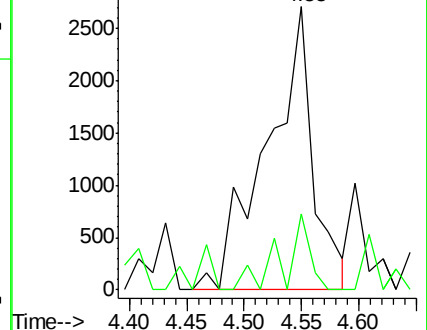
59 100

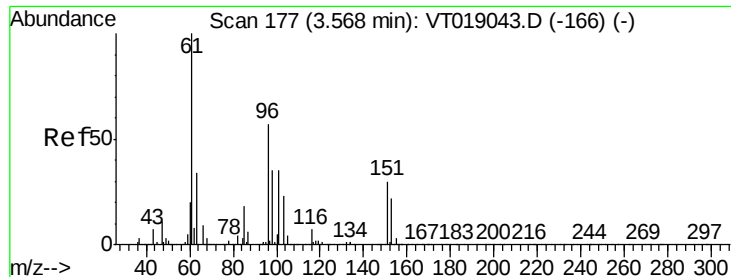
57 26.8 7.7 11.5#



Abundance Ion 59.10 (58.80 to 59.80): VT0

Ion 57.10 (56.80 to 57.80): VT0





#12

1,1-Dichloroethene

Concen: 2.67 ug/l

RT: 3.56 min Scan# 176

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

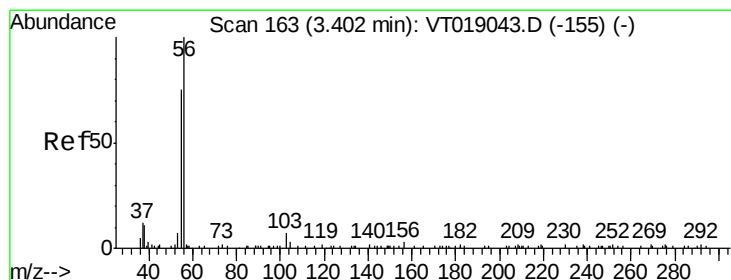
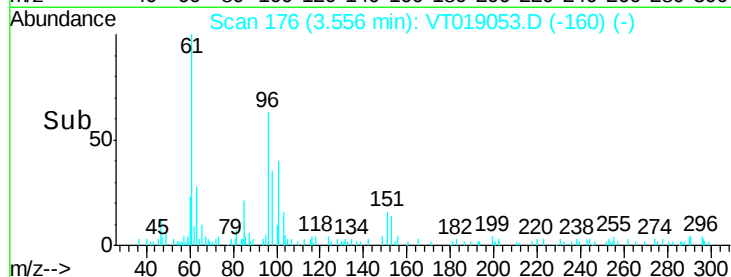
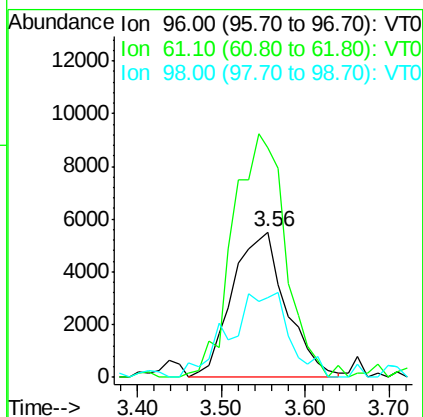
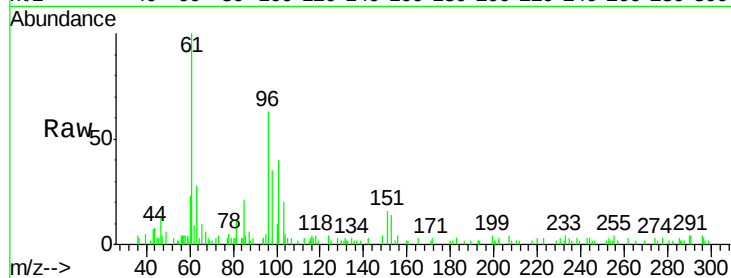
Tot Ion: 96 Resp: 24614

Ion Ratio Lower Upper

96 100

61 157.6 139.4 209.2

98 55.1 49.4 74.2



#13

Acrolein

Concen: 10.67 ug/l

RT: 3.40 min Scan# 163

Delta R.T. -0.00 min

Lab File: VT019053.D

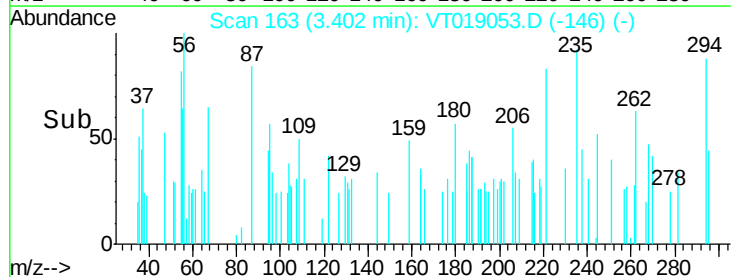
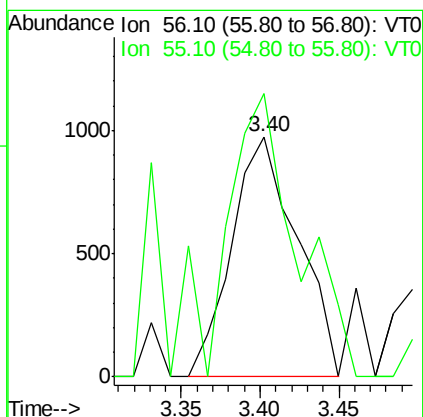
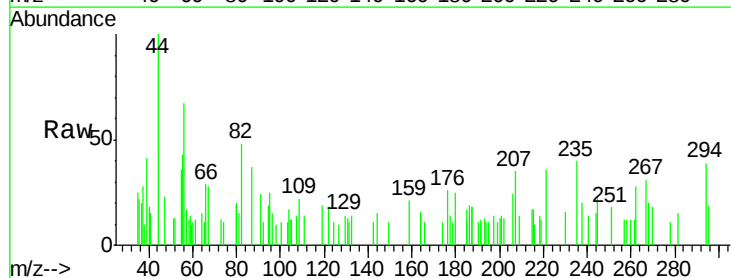
Acq: 9 May 2018 12:50

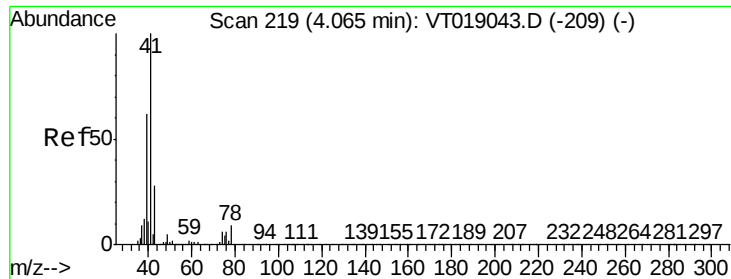
Tgt Ion: 56 Resp: 2825

Ion Ratio Lower Upper

56 100

55 117.7 60.8 91.2#





#14

Allvl chloride

Concen: 2.44 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

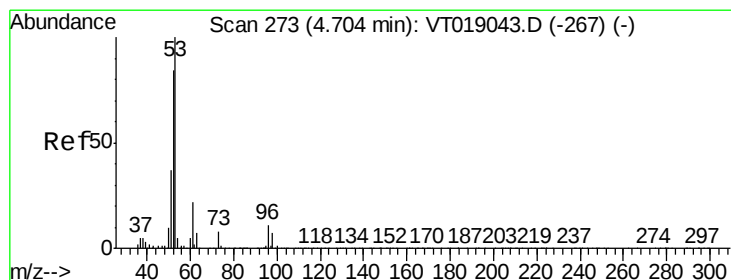
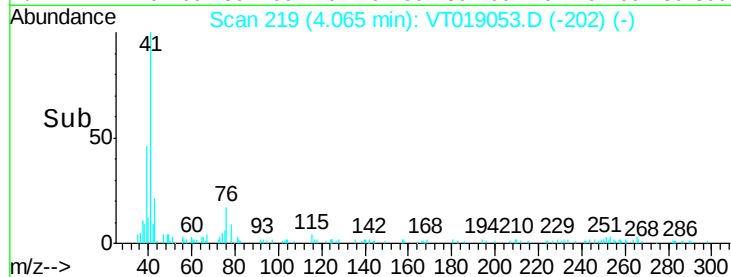
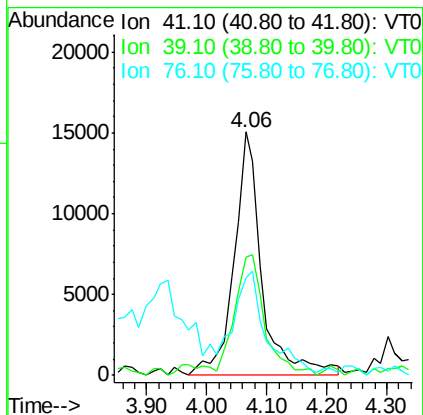
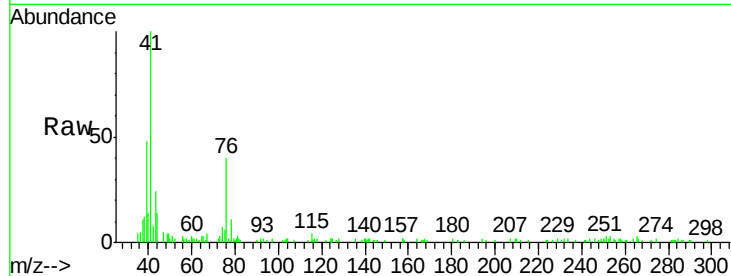
Tot Ion: 41 Resp: 48570

Ion Ratio Lower Upper

41 100

39 48.3 49.5 74.3#

76 40.0 44.0 66.0#



#15

Acrylonitrile

Concen: 11.22 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

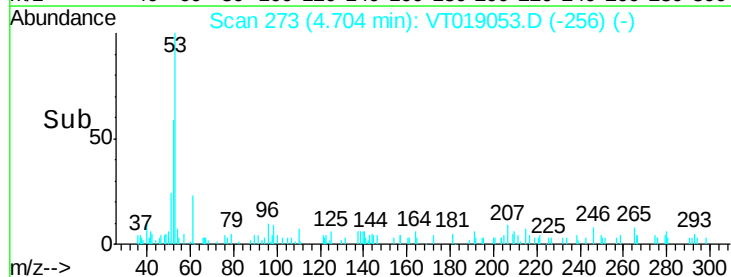
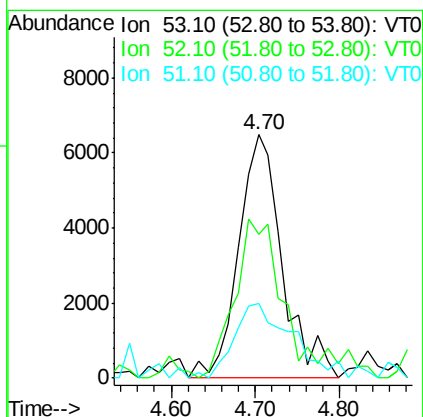
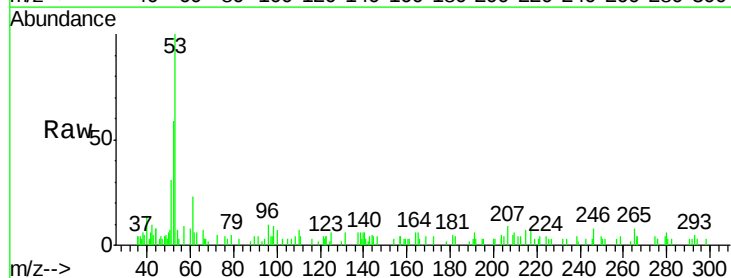
Tgt Ion: 53 Resp: 23440

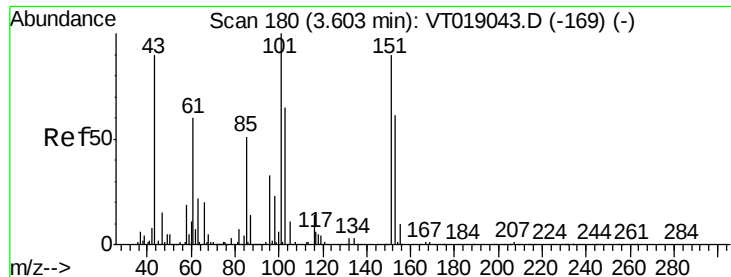
Ion Ratio Lower Upper

53 100

52 59.1 67.4 101.0#

51 30.7 29.6 44.4





#16

Acetone

Concen: 14.89 ug/l

RT: 3.59 min Scan# 179

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

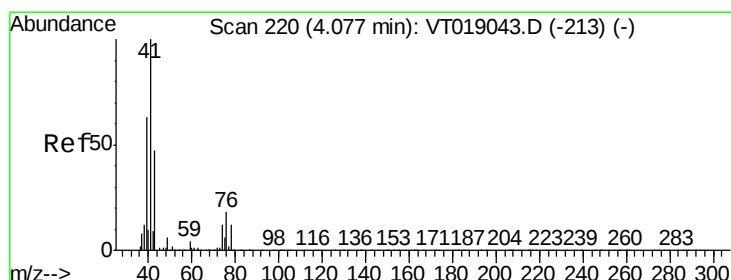
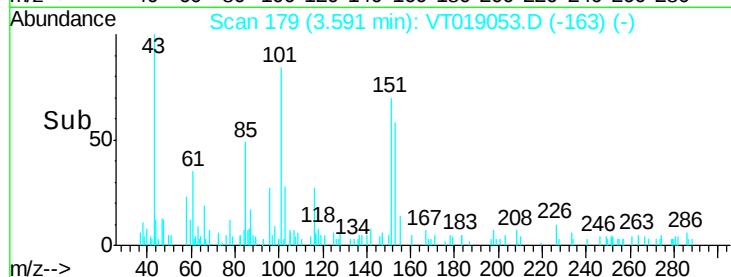
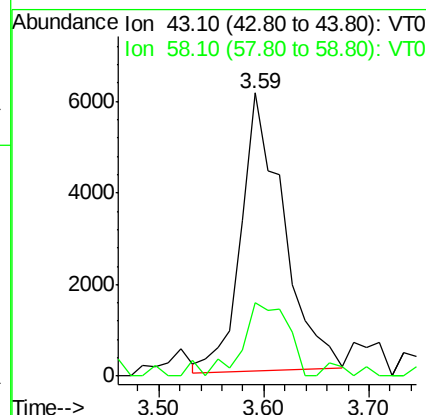
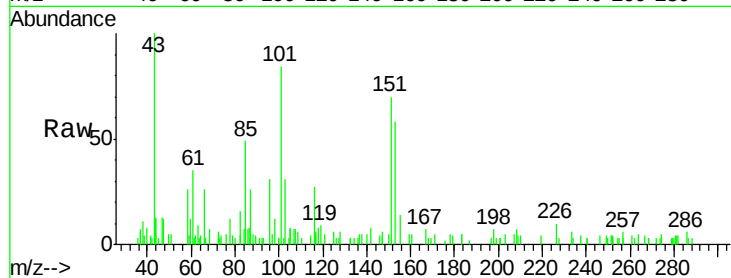
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 43 Resp: 16952

Ion Ratio Lower Upper

43 100

58 23.4 16.7 25.1



#18

Methyl Acetate

Concen: 2.21 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.01 min

Lab File: VT019053.D

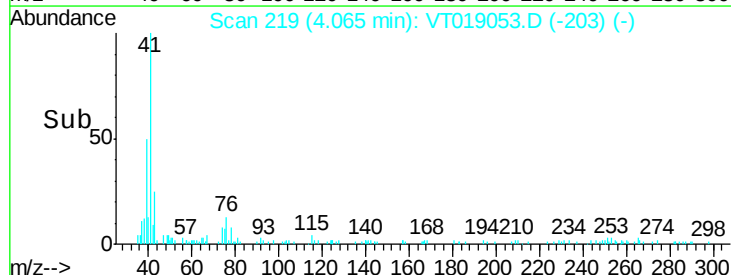
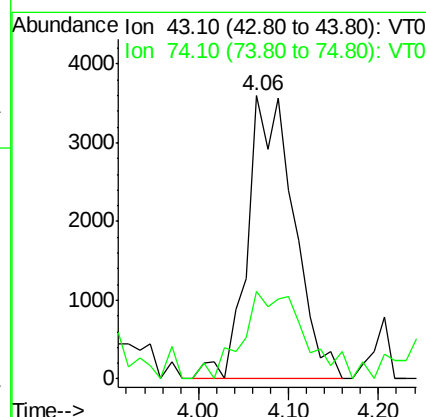
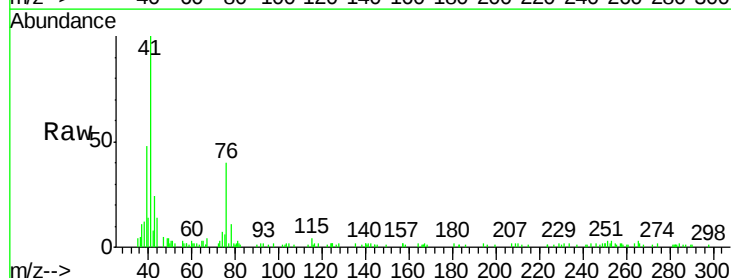
Acq: 9 May 2018 12:50

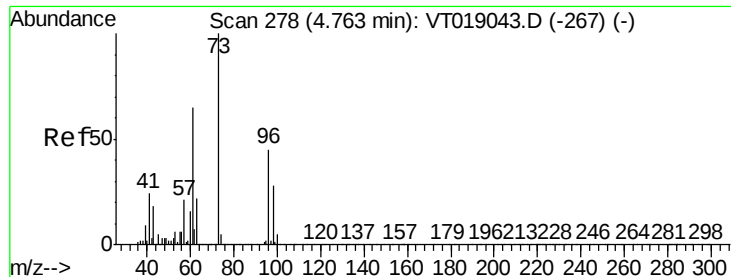
Tgt Ion: 43 Resp: 12917

Ion Ratio Lower Upper

43 100

74 30.9 19.8 29.8#



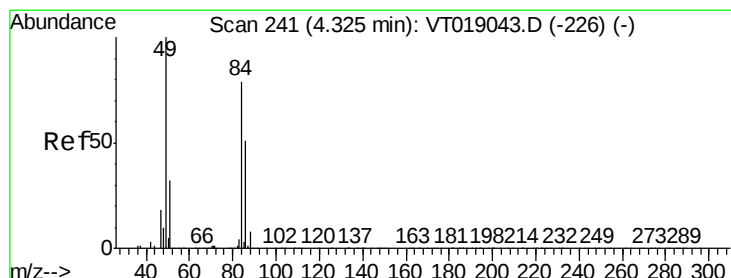
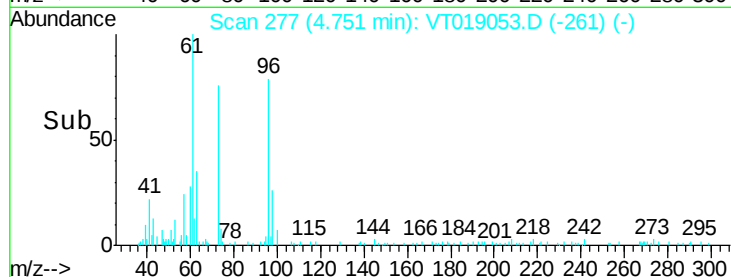
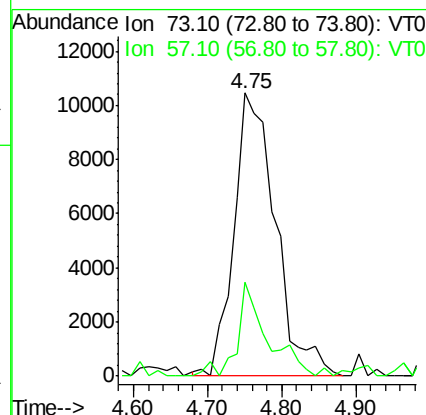
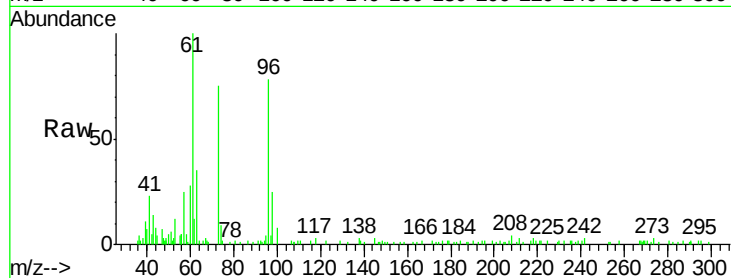


#19

Methyl tert-butyl Ether
 Concen: 1.77 ug/l
 RT: 4.75 min Scan# 277
 Delta R.T. -0.01 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

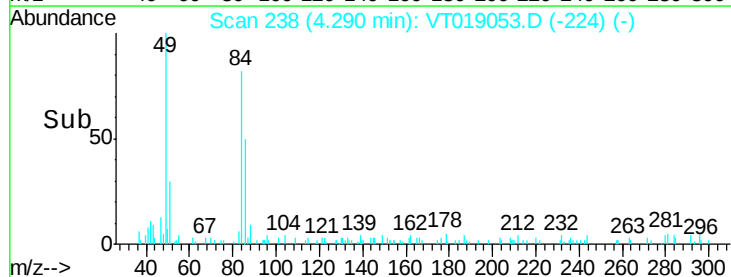
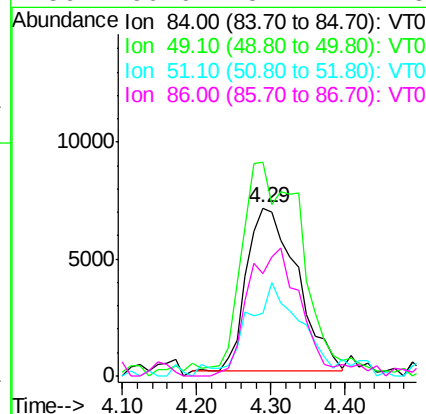
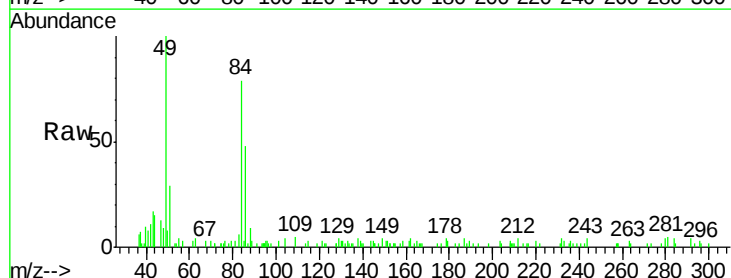
Tot Ion: 73 Resp: 40858
 Ion Ratio Lower Upper
 73 100
 57 33.4 16.6 25.0#

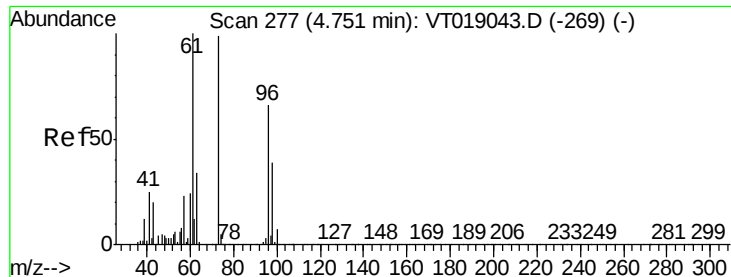


#20

Methylene Chloride
 Concen: 2.70 ug/l
 RT: 4.29 min Scan# 238
 Delta R.T. -0.04 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Tgt Ion: 84 Resp: 33148
 Ion Ratio Lower Upper
 84 100
 49 127.0 103.0 154.4
 51 37.1 33.3 49.9
 86 60.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 2.35 ug/l

RT: 4.75 min Scan# 277

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

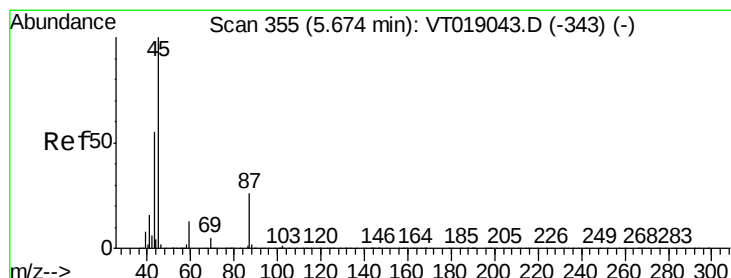
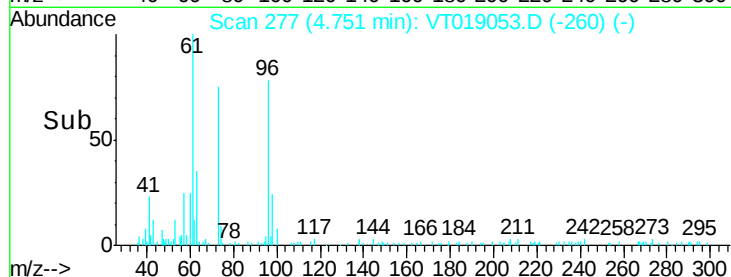
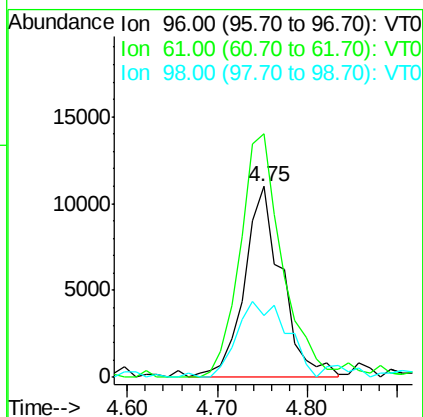
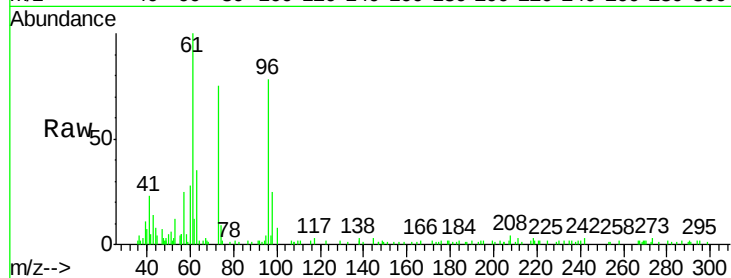
Tot Ion: 96 Resp: 32032

Ion Ratio Lower Upper

96 100

61 127.6 120.8 181.2

98 32.5 47.4 71.2#



#22

Diisopropyl ether

Concen: 1.89 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Tgt Ion: 45 Resp: 69802

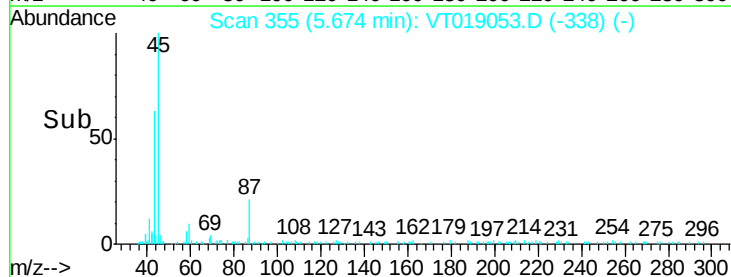
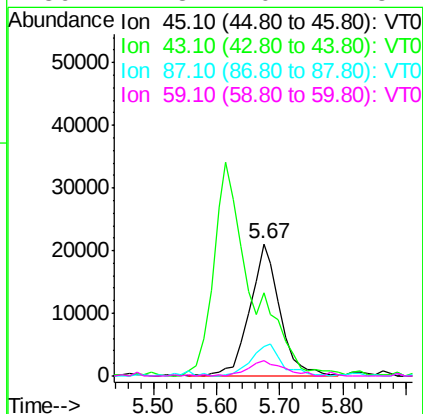
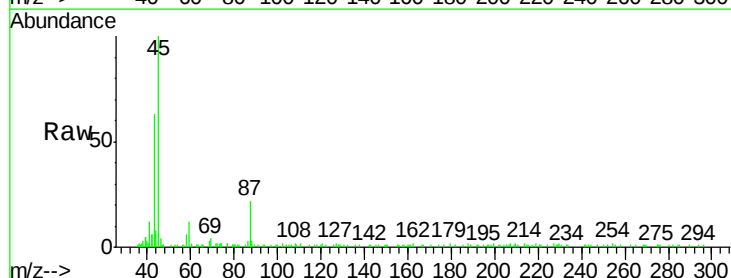
Ion Ratio Lower Upper

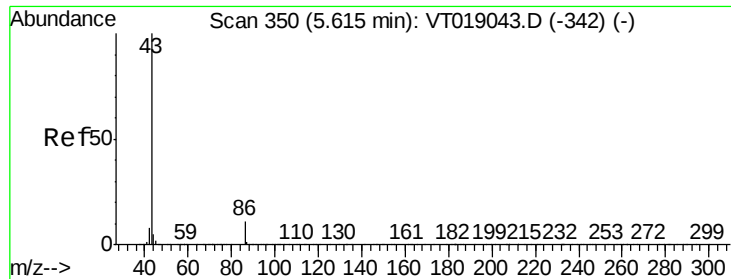
45 100

43 62.6 43.8 65.6

87 22.2 20.8 31.2

59 11.8 10.2 15.4





#23

Vinyl Acetate

Concen: 8.68 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

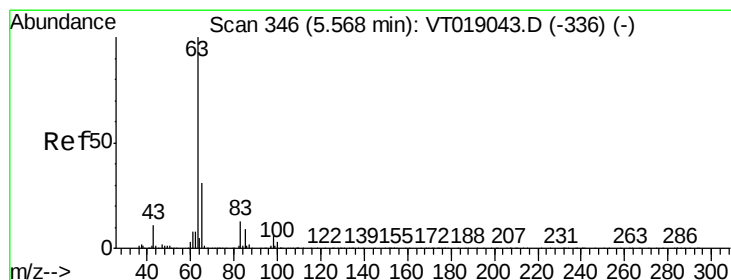
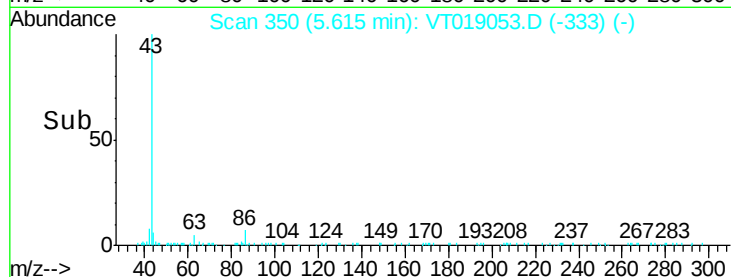
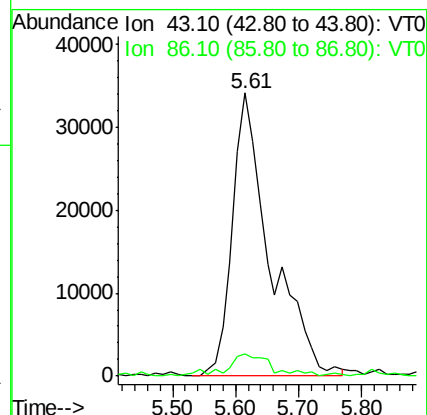
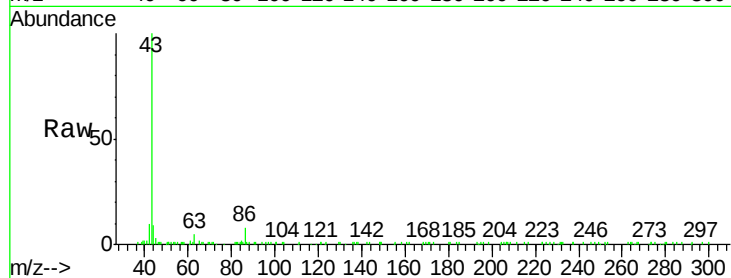
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 43 Resp: 141970

Ion Ratio Lower Upper

43 100

86 8.1 8.6 13.0#



#24

1,1-Dichloroethane

Concen: 2.19 ug/l

RT: 5.56 min Scan# 345

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

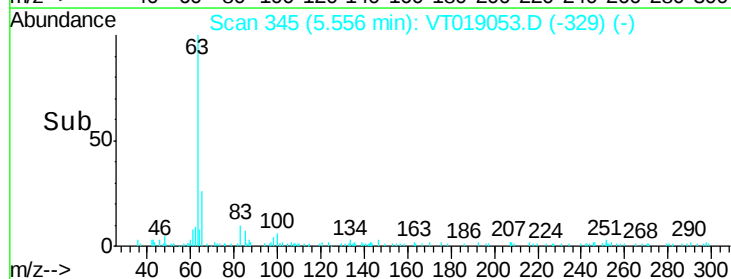
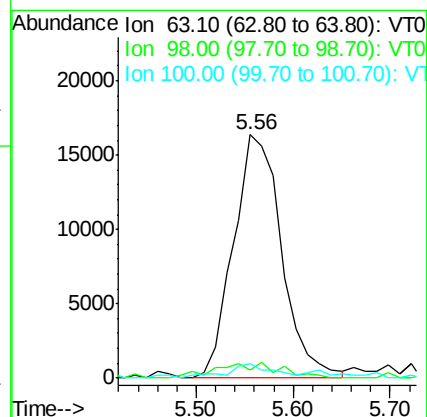
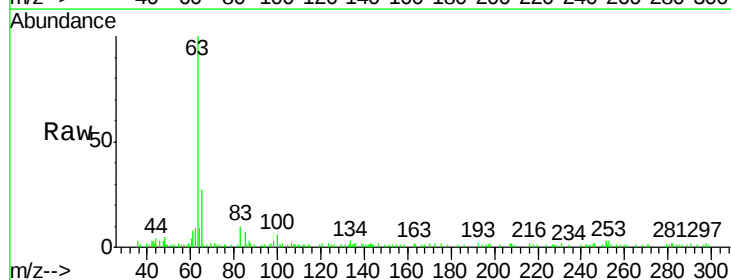
Tgt Ion: 63 Resp: 56385

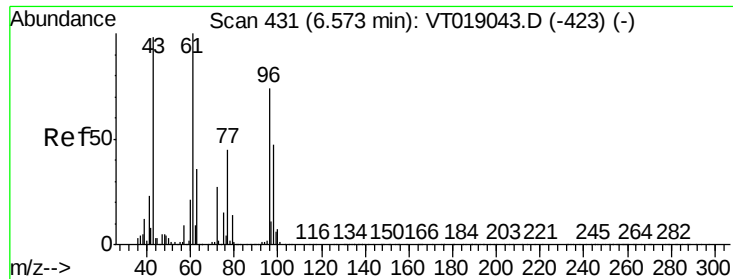
Ion Ratio Lower Upper

63 100

98 3.4 2.8 8.4

100 6.0 1.7 5.1#





#25

2-Butanone

Concen: 10.00 ug/l

RT: 6.57 min Scan# 431

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

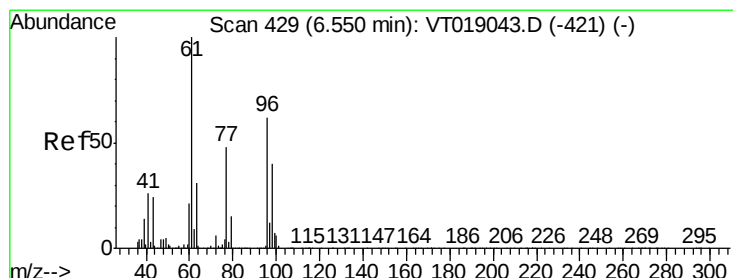
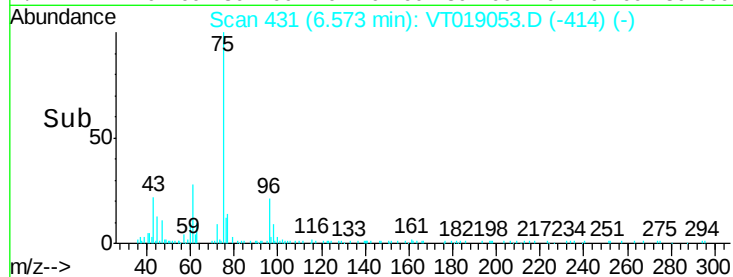
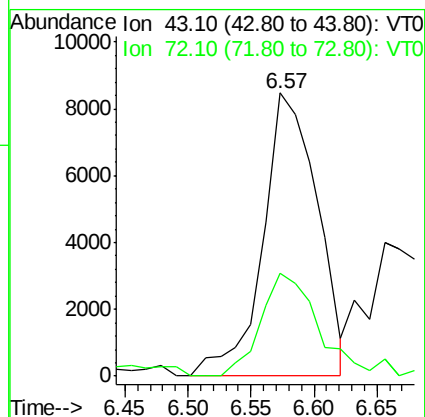
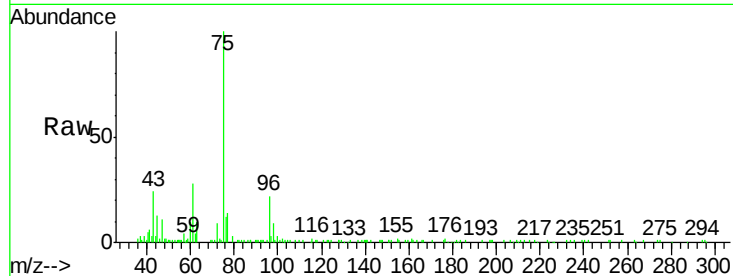
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 43 Resp: 25644

Ion Ratio Lower Upper

43 100

72 36.2 22.1 33.1#



#26

2,2-Dichloropropane

Concen: 2.82 ug/l

RT: 6.55 min Scan# 429

Delta R.T. -0.00 min

Lab File: VT019053.D

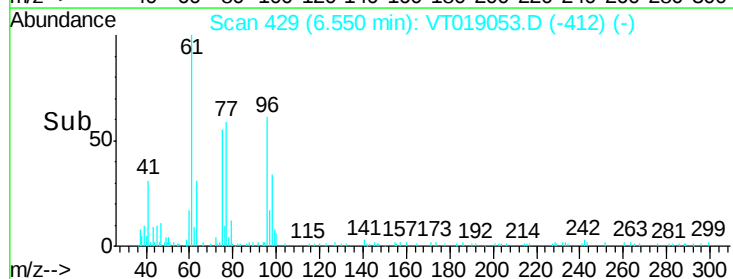
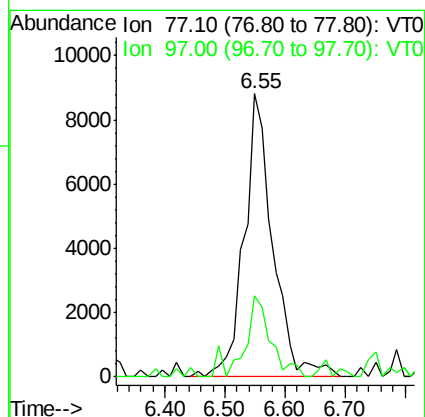
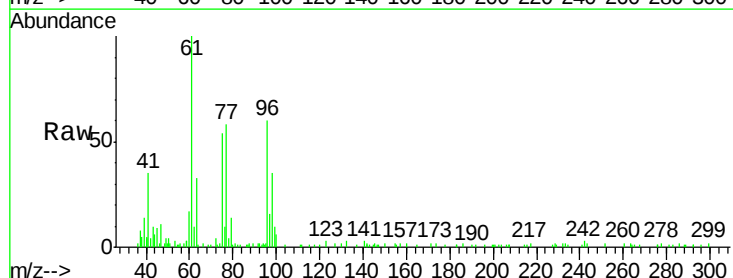
Acq: 9 May 2018 12:50

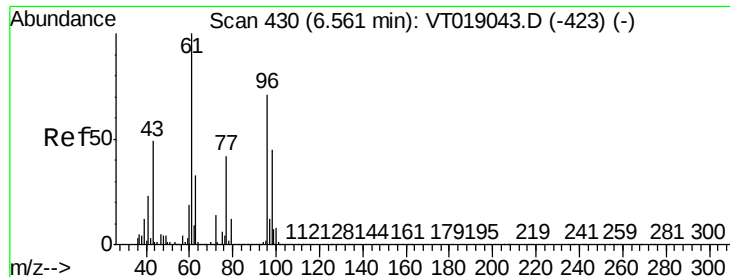
Tgt Ion: 77 Resp: 29352

Ion Ratio Lower Upper

77 100

97 28.5 12.2 36.4



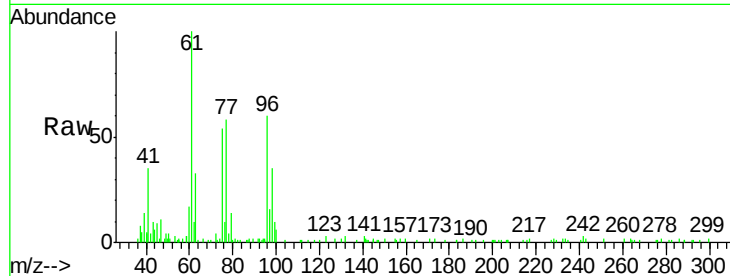


#27

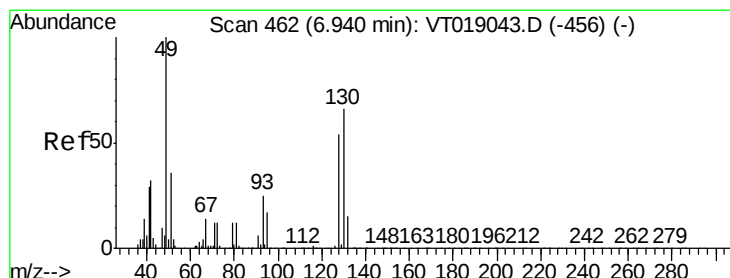
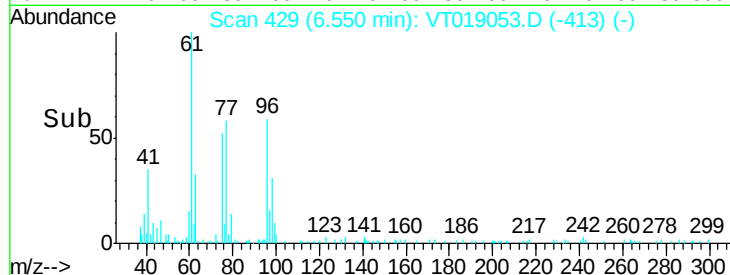
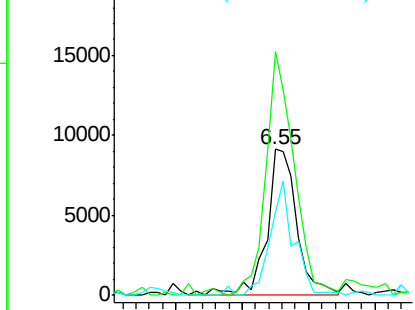
cis-1,2-Dichloroethene
Concen: 2.18 ug/l
RT: 6.55 min Scan# 429
Delta R.T. -0.01 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.0	0.0	282.0
98	57.6	0.0	125.8



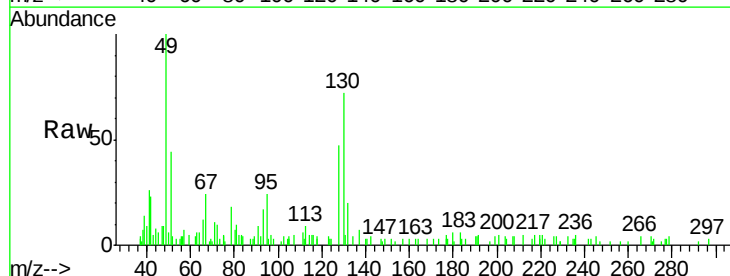
Abundance Ion 96.00 (95.70 to 96.70): VT0
Ion 61.10 (60.80 to 61.80): VT0
Ion 98.00 (97.70 to 98.70): VT0



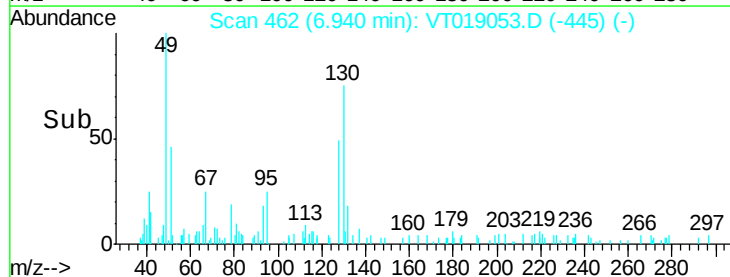
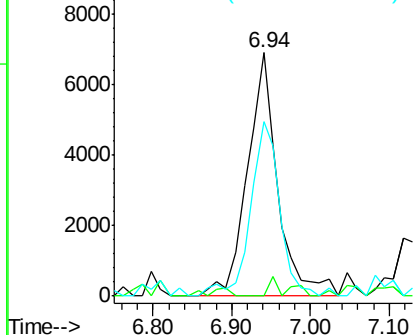
#28

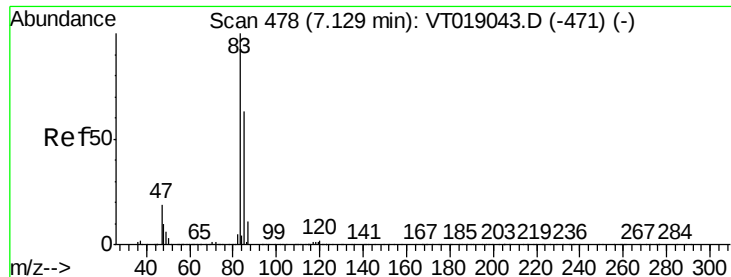
Bromochloromethane
Concen: 2.15 ug/l
RT: 6.94 min Scan# 462
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	71.6	52.4	78.6



Abundance Ion 49.10 (48.80 to 49.80): VT0
Ion 129.00 (128.70 to 129.70): V
Ion 129.90 (129.60 to 130.60): V





#29

Chloroform

Concen: 2.23 ug/l

RT: 7.13 min Scan# 478

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

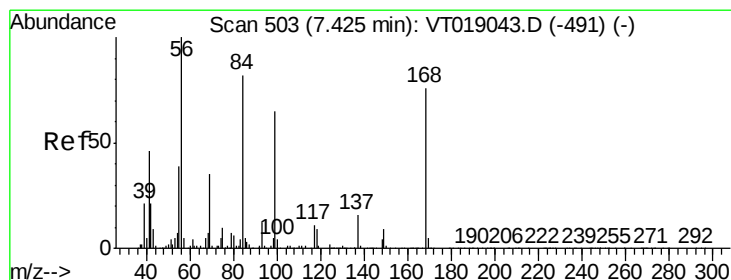
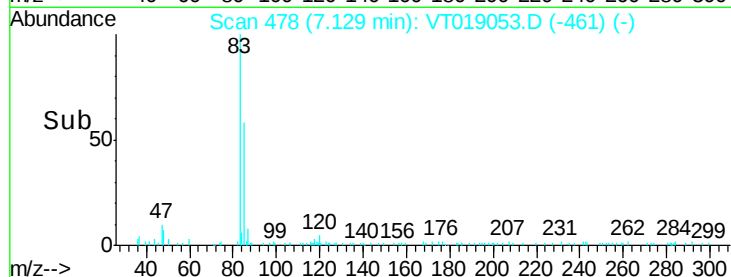
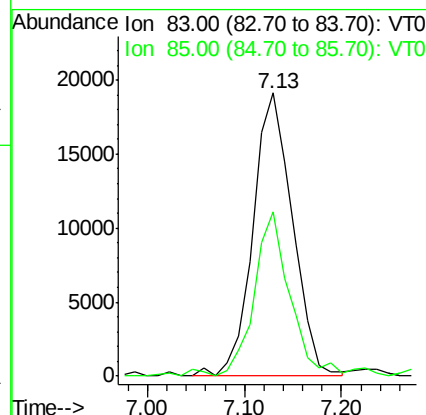
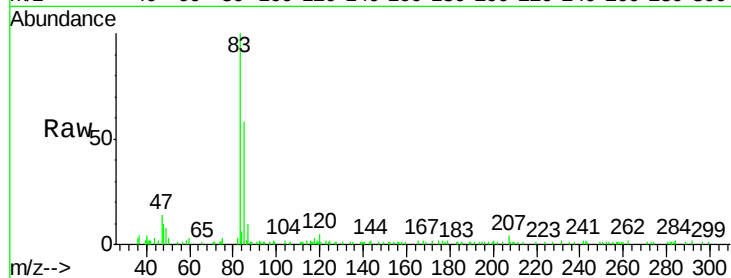
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 83 Resp: 53864

Ion Ratio Lower Upper

83 100

85 58.1 50.6 76.0



#30

Cyclohexane

Concen: 2.97 ug/l

RT: 7.44 min Scan# 504

Delta R.T. 0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

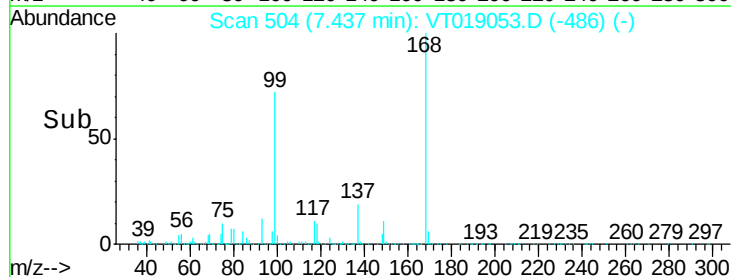
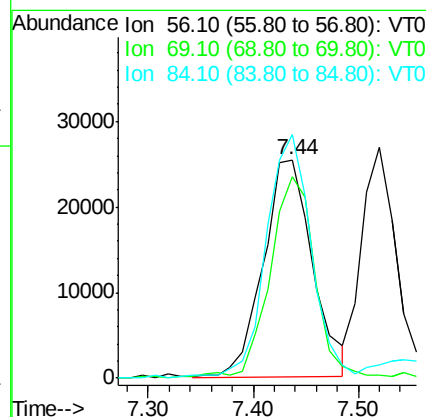
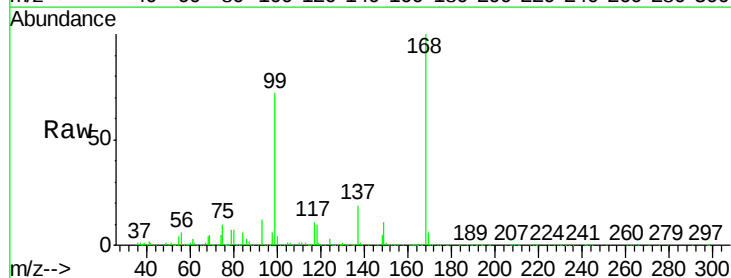
Tgt Ion: 56 Resp: 82959

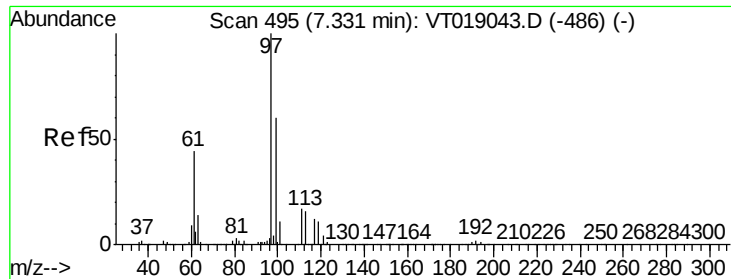
Ion Ratio Lower Upper

56 100

69 92.5 28.2 42.2#

84 111.6 65.6 98.4#





#31

1,1,1-Trichloroethane

Concen: 2.13 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

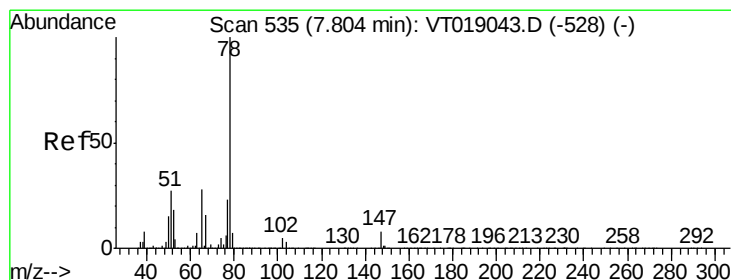
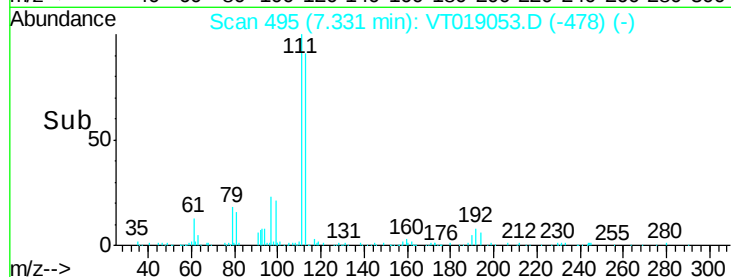
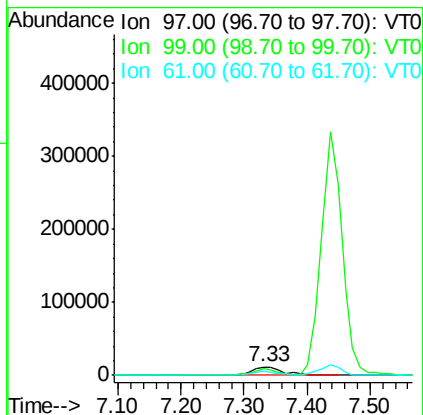
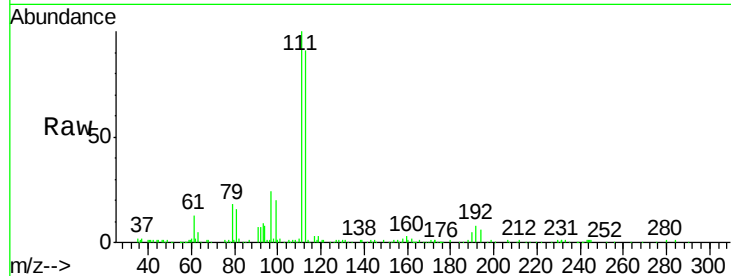
Tot Ion: 97 Resp: 39752

Ion Ratio Lower Upper

97 100

99 88.7 47.6 71.4#

61 53.7 35.3 52.9#



#32

1,2-Dichloroethane-d4

Concen: 49.98 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019053.D

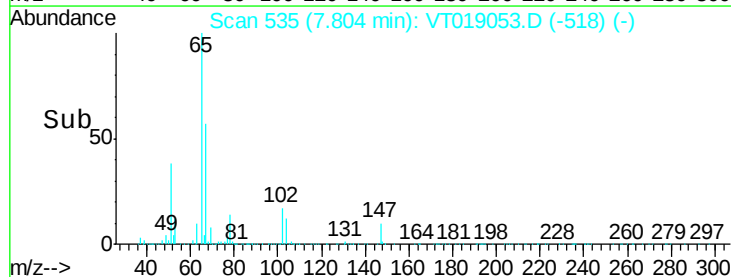
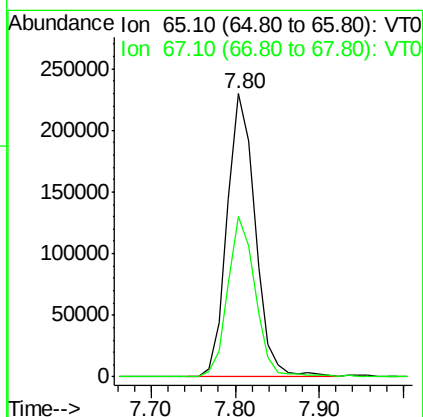
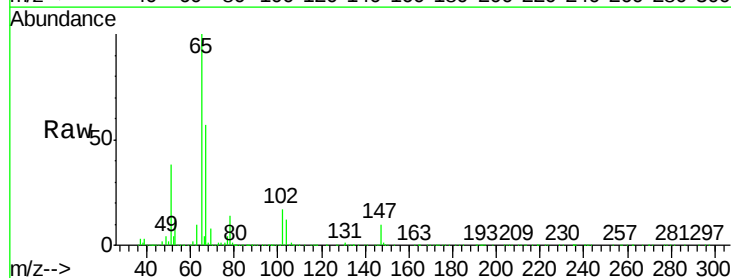
Acq: 9 May 2018 12:50

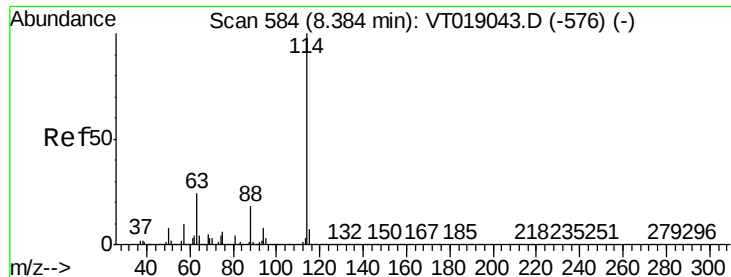
Tgt Ion: 65 Resp: 536178

Ion Ratio Lower Upper

65 100

67 56.6 0.0 114.2





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.38 min Scan# 584

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

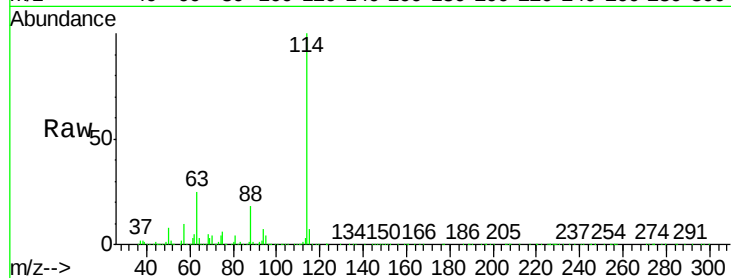
Tot Ion:114 Resp: 1923876

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.8

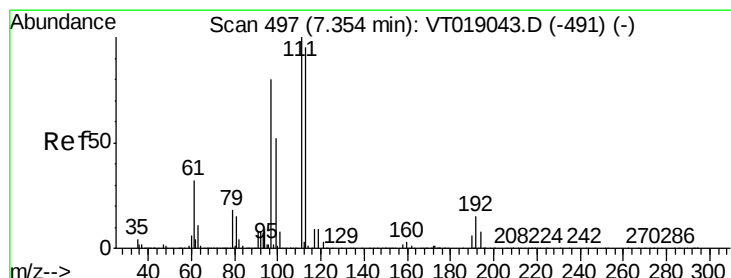
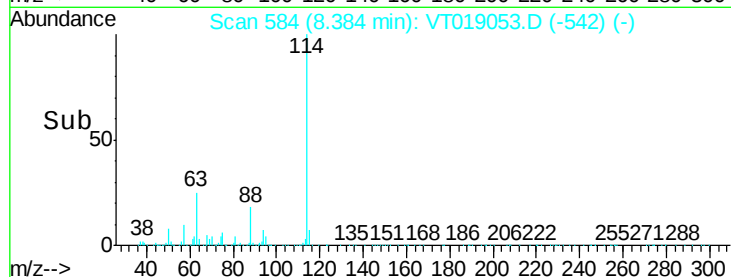
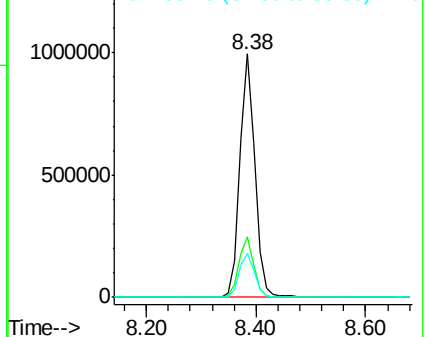
88 18.2 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0



#34

Dibromofluoromethane

Concen: 49.88 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

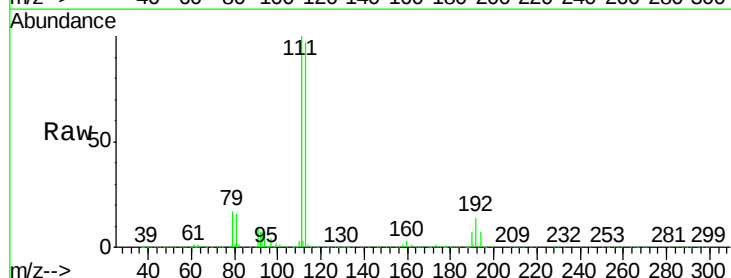
Tgt Ion:113 Resp: 537412

Ion Ratio Lower Upper

113 100

111 103.1 84.0 126.0

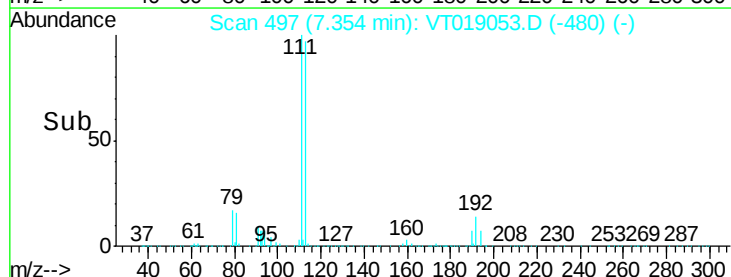
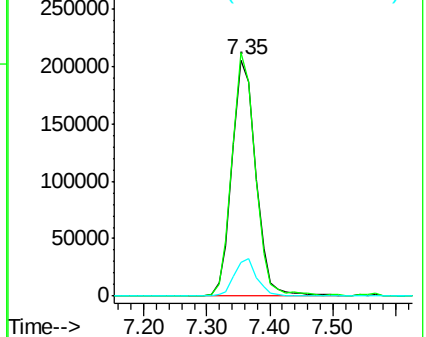
192 14.3 12.9 19.3

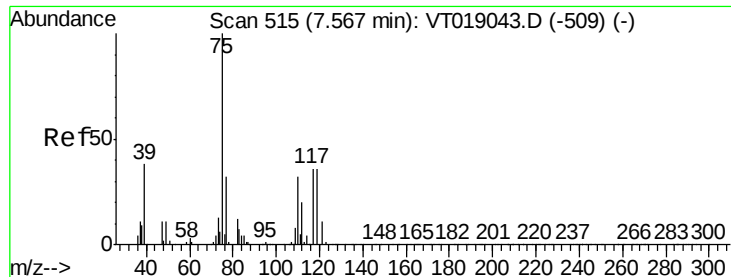


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 2.29 ug/l

RT: 7.57 min Scan# 515

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

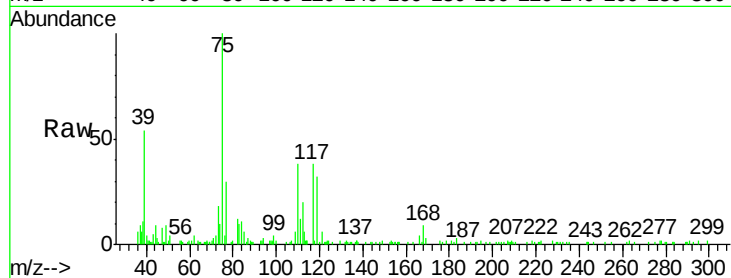
Tot Ion: 75 Resp: 50797

Ion Ratio Lower Upper

75 100

110 38.4 15.9 47.6

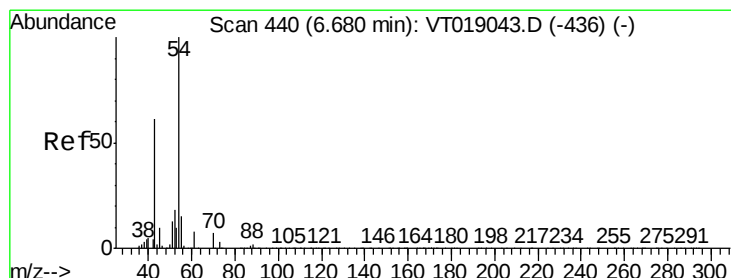
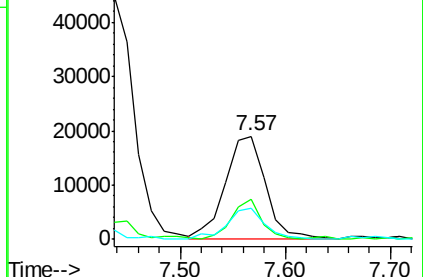
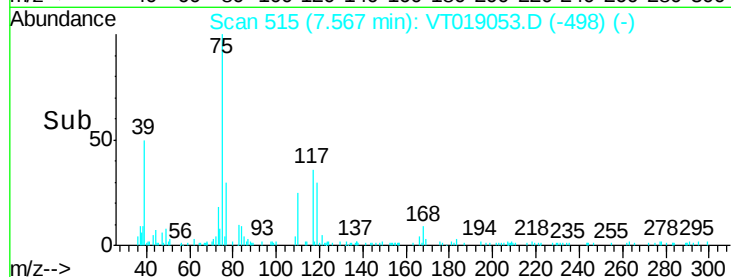
77 29.8 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): VT0

Ion 77.00 (76.70 to 77.70): VT0



#36

Ethyl Acetate

Concen: 2.03 ug/l

RT: 6.66 min Scan# 438

Delta R.T. -0.02 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

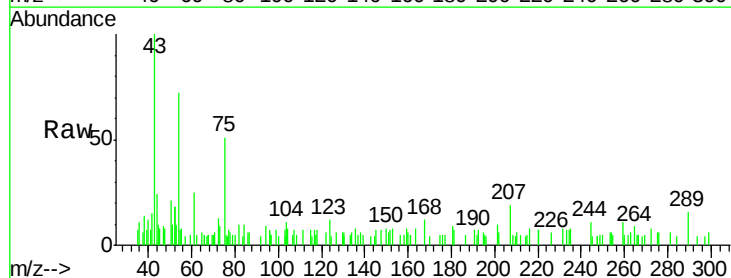
Tgt Ion: 43 Resp: 11618

Ion Ratio Lower Upper

43 100

61 24.6 14.2 21.2#

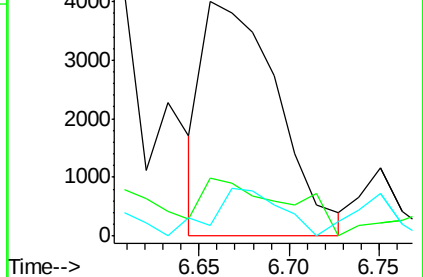
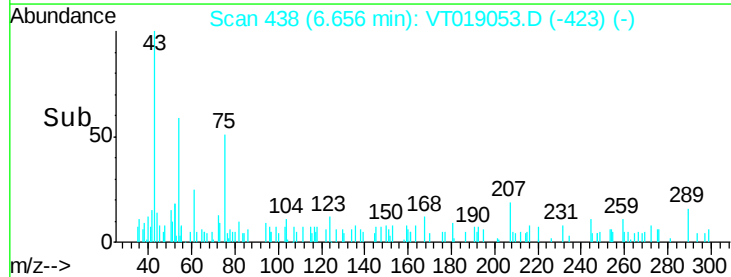
70 10.7 8.4 12.6

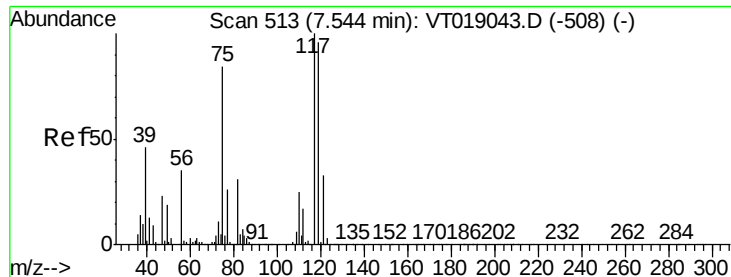


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 70.10 (69.80 to 70.80): VT0





#37

Carbon Tetrachloride

Concen: 1.98 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

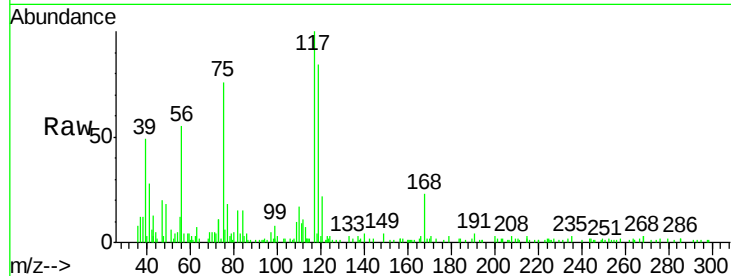
Tot Ion:117 Resp: 35959

Ion Ratio Lower Upper

117 100

119 84.3 76.5 114.7

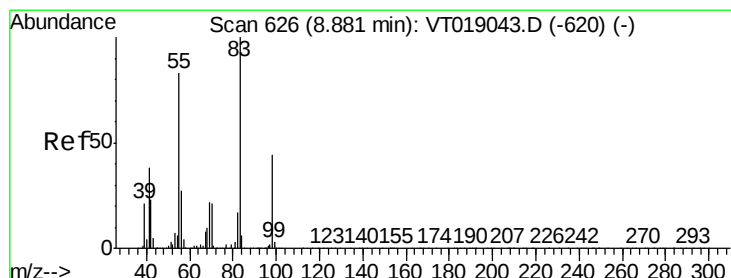
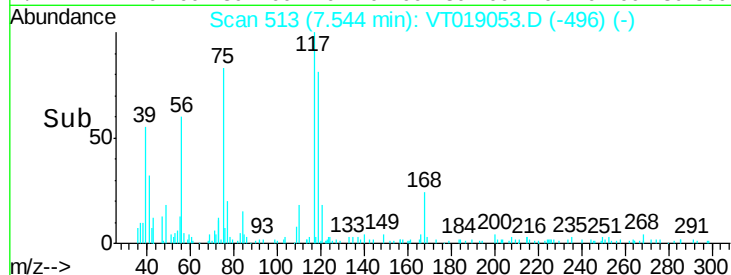
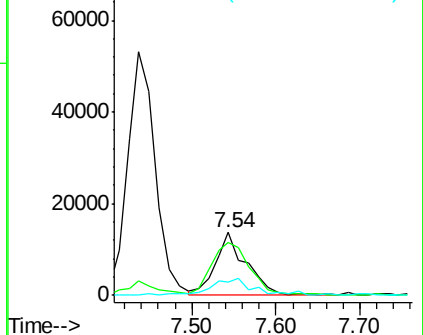
121 22.0 26.0 39.0#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 2.03 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

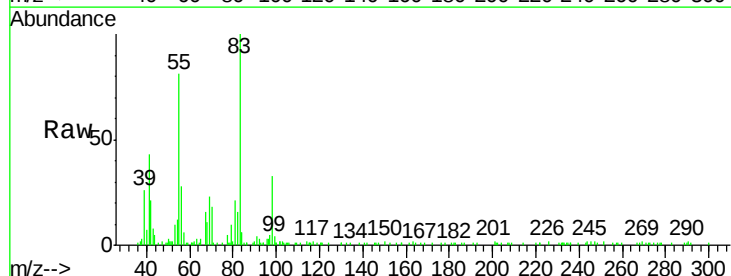
Tgt Ion: 83 Resp: 53687

Ion Ratio Lower Upper

83 100

55 81.0 66.7 100.1

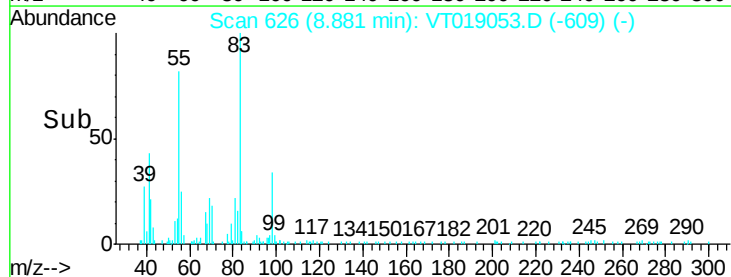
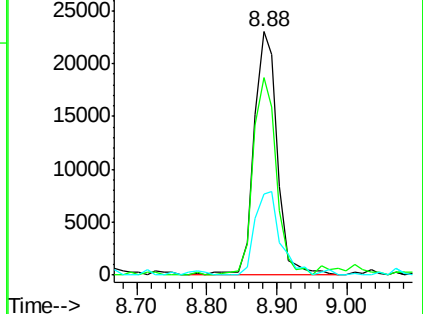
98 33.3 35.5 53.3#

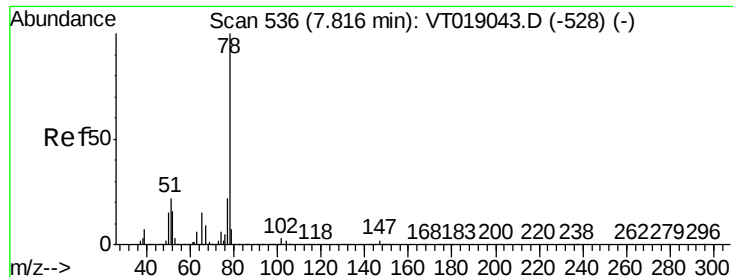


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 2.16 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

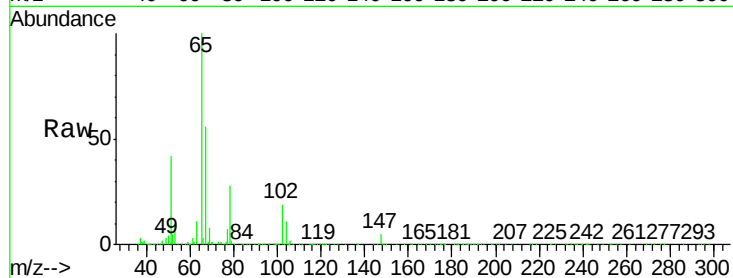
Tot Ion: 78 Resp: 125367

Ion Ratio Lower Upper

78 100

77 23.7 18.0 27.0

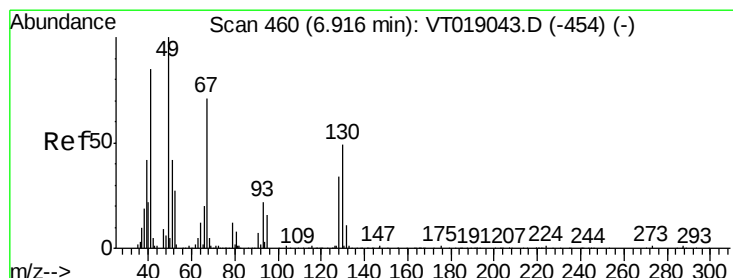
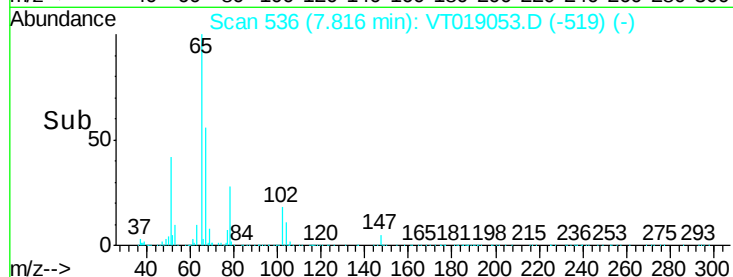
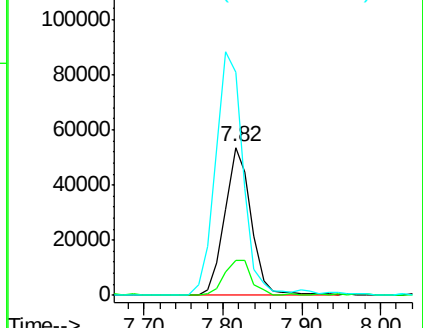
51 150.2 17.3 25.9#



Abundance Ion 78.10 (77.80 to 78.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

Ion 51.10 (50.80 to 51.80): VT0



#40

Methacrylonitrile

Concen: 1.86 ug/l

RT: 6.90 min Scan# 459

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Tgt Ion: 41 Resp: 4699

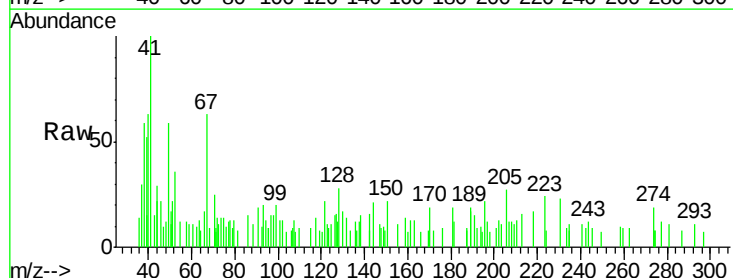
Ion Ratio Lower Upper

41 100

39 66.4 39.4 59.0#

67 62.9 66.8 100.2#

52 36.1 25.5 38.3

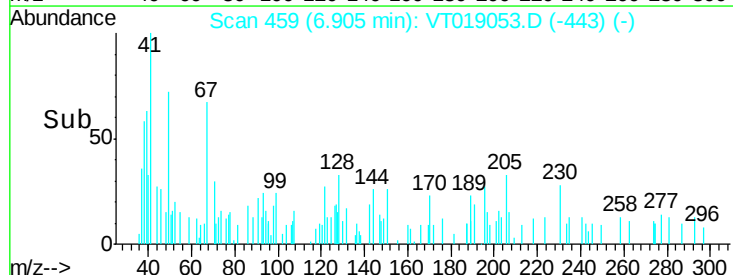
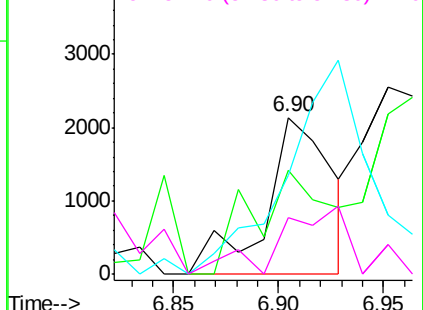


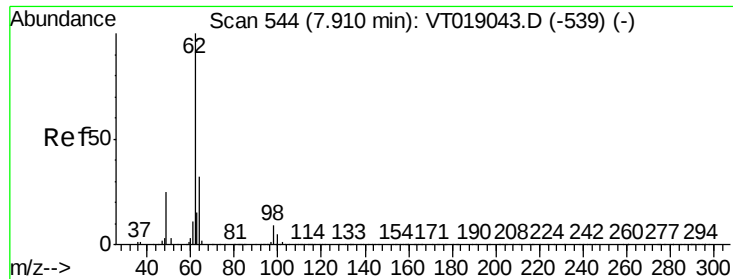
Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

Ion 52.10 (51.80 to 52.80): VT0





#41

1,2-Dichloroethane

Concen: 2.04 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

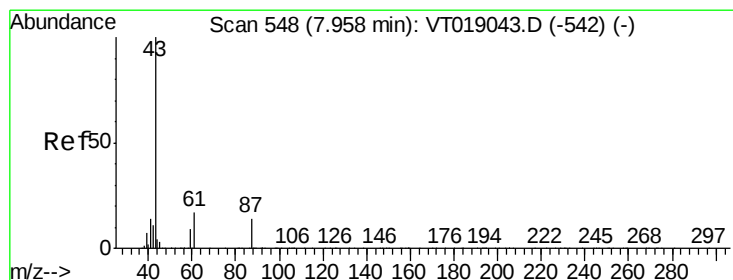
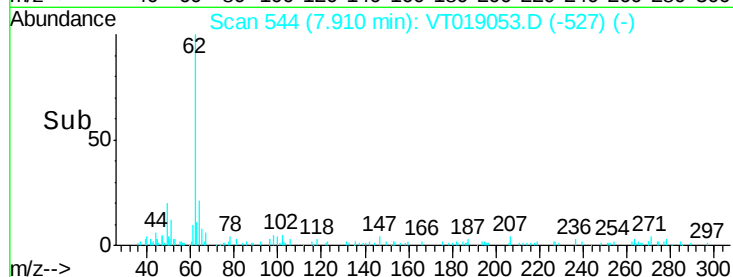
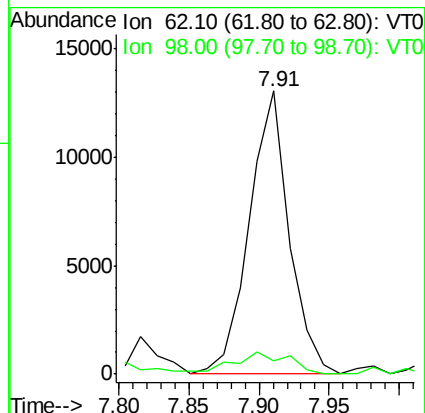
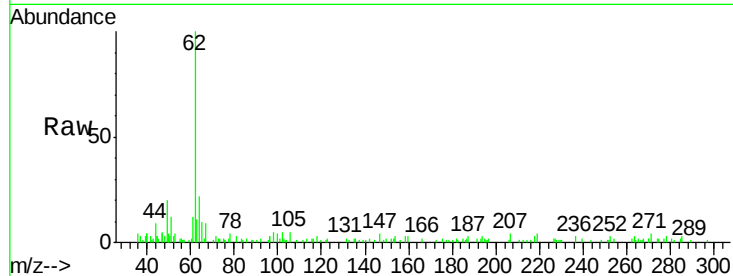
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 62 Resp: 25701

Ion Ratio Lower Upper

62 100

98 4.7 0.0 17.4



#42

Isopropyl Acetate

Concen: 1.78 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

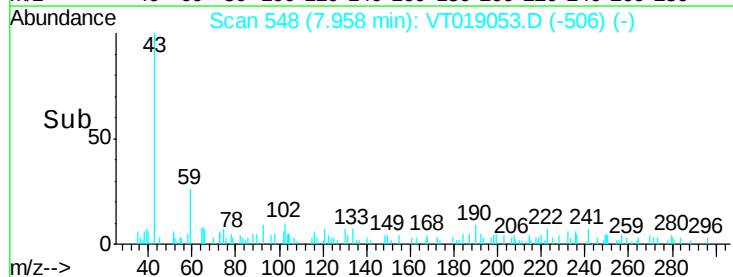
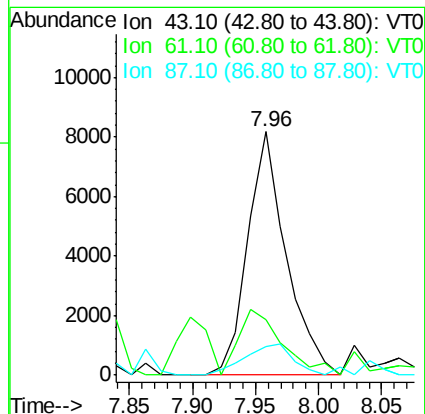
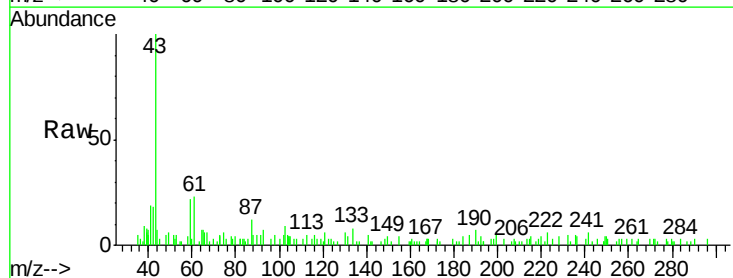
Tgt Ion: 43 Resp: 17464

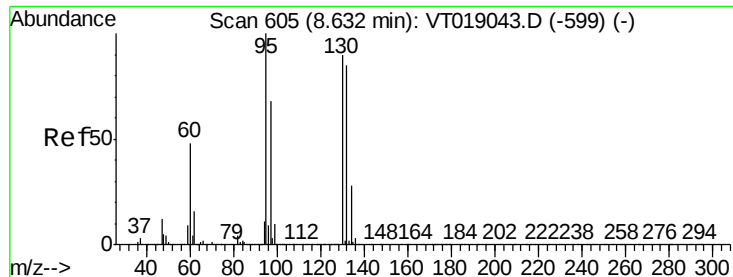
Ion Ratio Lower Upper

43 100

61 22.8 17.9 26.9

87 11.7 11.0 16.6





#43

Trichloroethene

Concen: 2.25 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

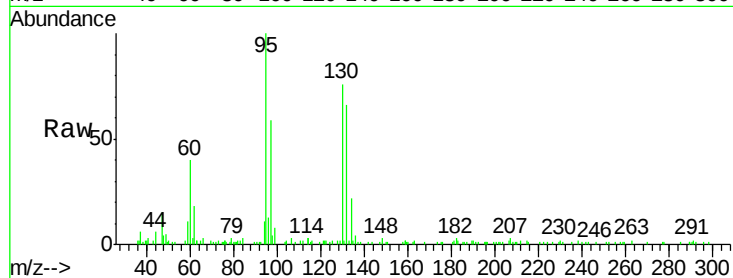
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:130 Resp: 30015

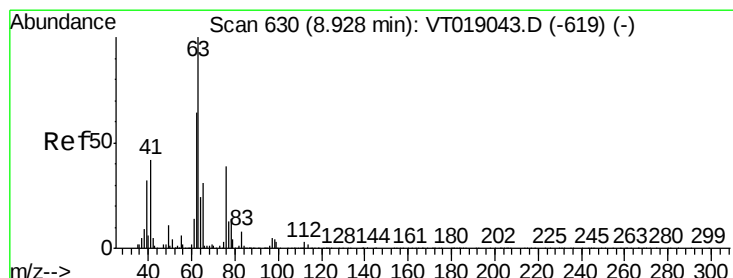
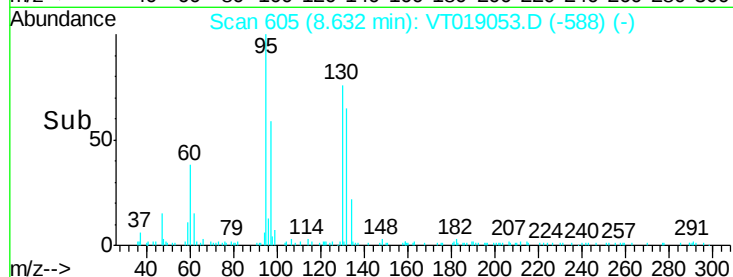
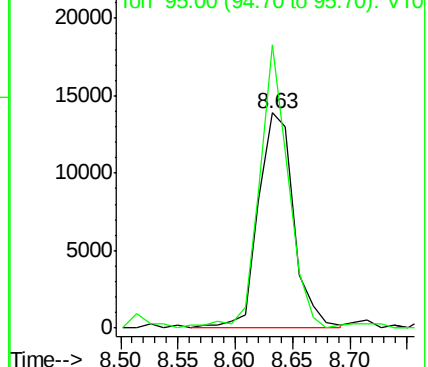
Ion Ratio Lower Upper

130 100

95 131.6 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0



#44

1,2-Dichloropropane

Concen: 2.29 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019053.D

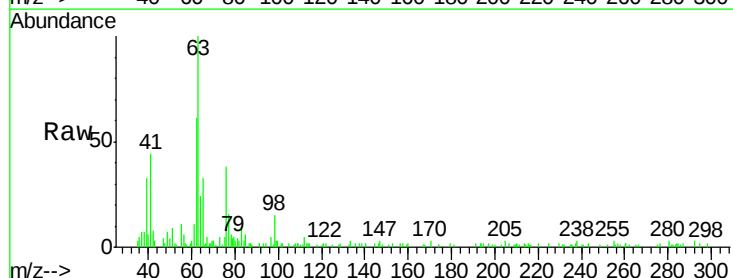
Acq: 9 May 2018 12:50

Tgt Ion: 63 Resp: 31144

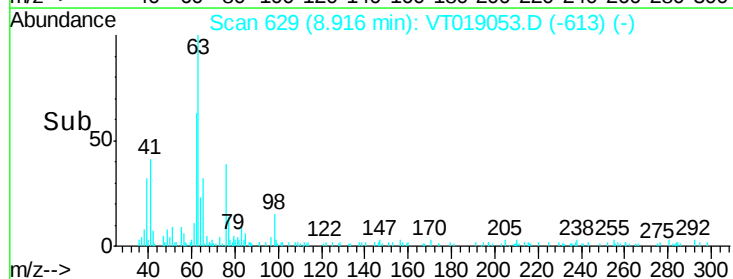
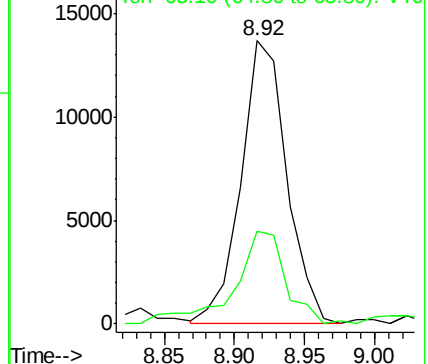
Ion Ratio Lower Upper

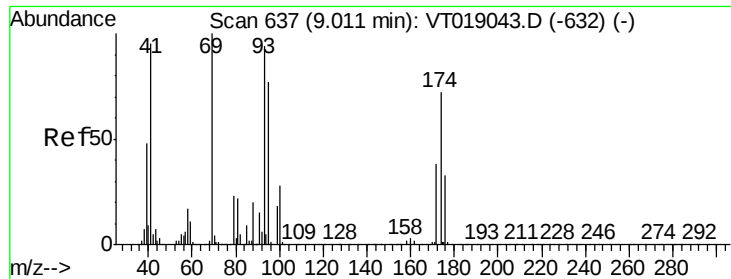
63 100

65 32.6 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

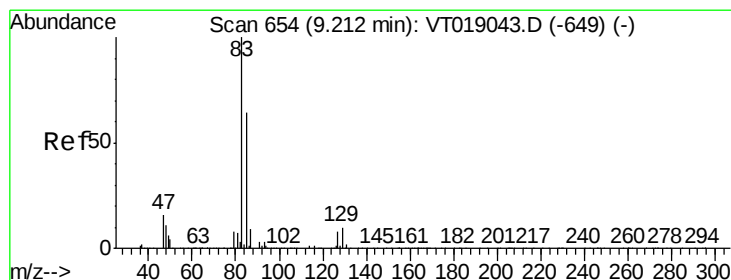
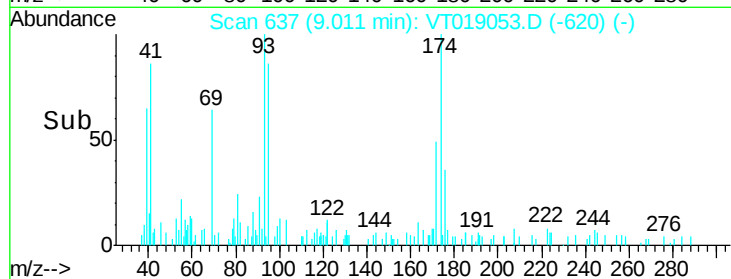
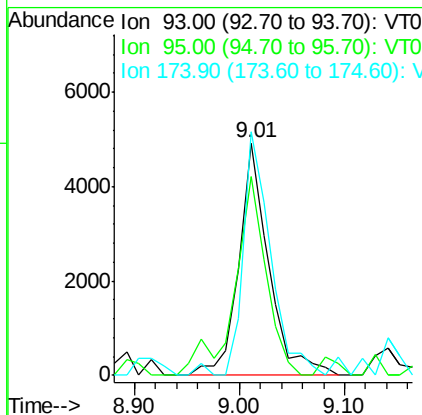
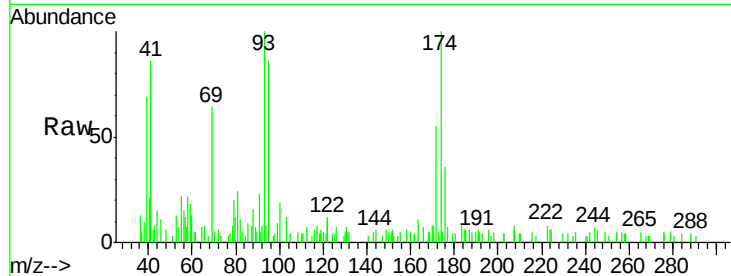




#45
Dibromomethane
Concen: 1.83 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

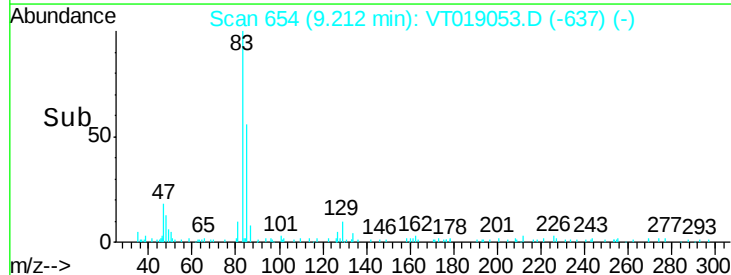
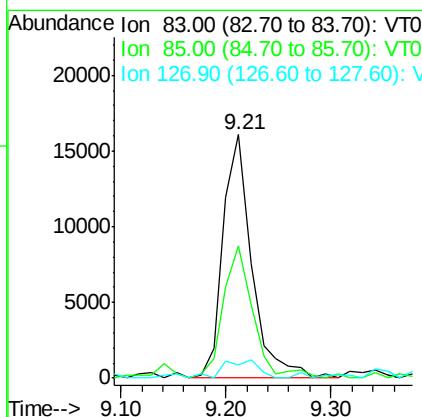
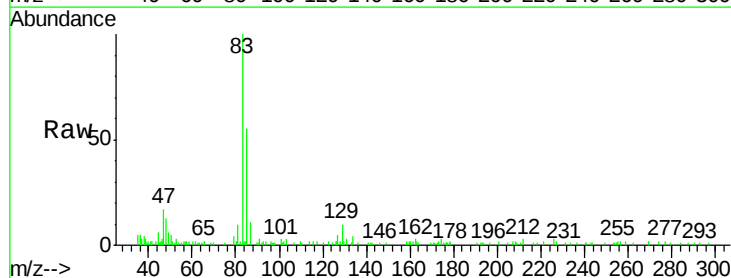
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

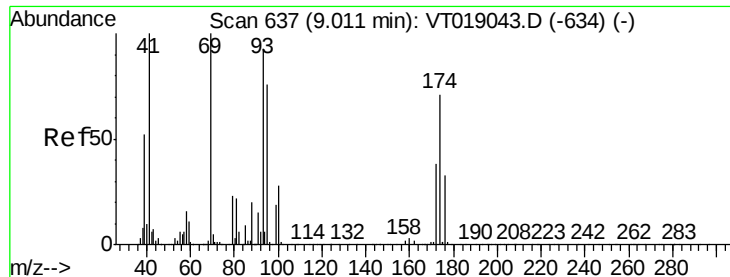
Tot Ion: 93 Resp: 9776
Ion Ratio Lower Upper
93 100
95 79.2 65.5 98.3
174 96.7 60.9 91.3#



#46
Bromodichloromethane
Concen: 1.96 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion: 83 Resp: 30478
Ion Ratio Lower Upper
83 100
85 54.6 51.3 76.9
127 5.4 6.1 9.1#





#47

Methyl methacrylate

Concen: 1.62 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

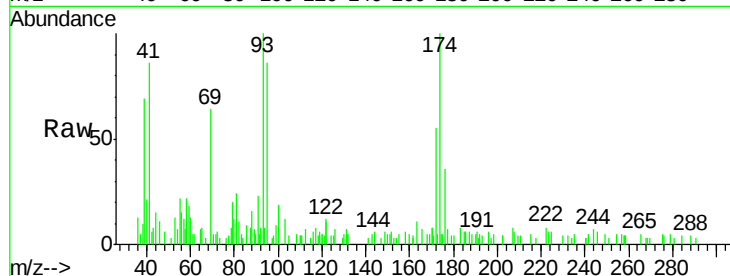
Tot Ion: 41 Resp: 8245

Ion Ratio Lower Upper

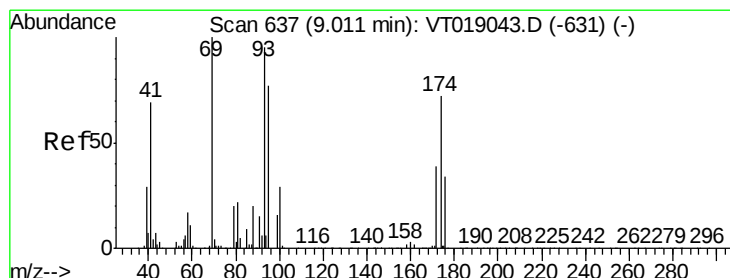
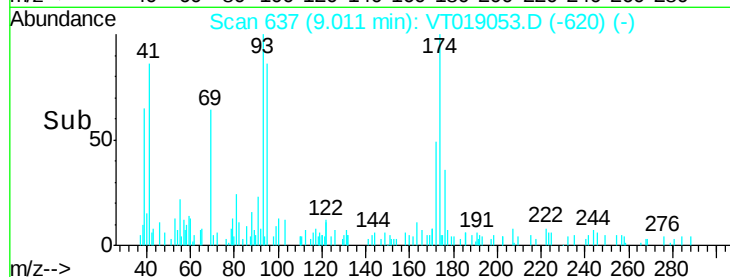
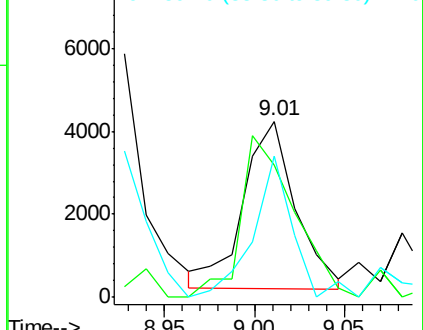
41 100

69 75.0 78.4 117.6#

39 80.2 41.4 62.2#



Abundance Ion 41.10 (40.80 to 41.80): VT0
Ion 69.10 (68.80 to 69.80): VT0
Ion 39.10 (38.80 to 39.80): VT0



#48

1,4-Dioxane

Concen: 20.57 ug/l

RT: 9.01 min Scan# 637

Delta R.T. 0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

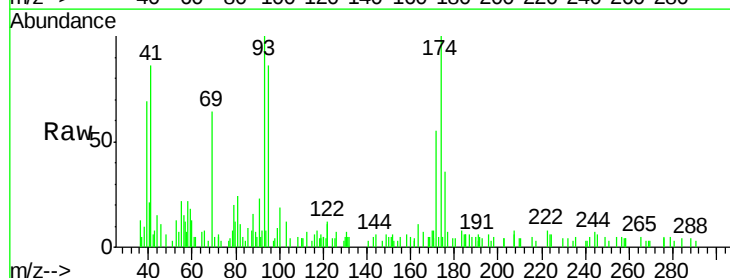
Tgt Ion: 88 Resp: 1938

Ion Ratio Lower Upper

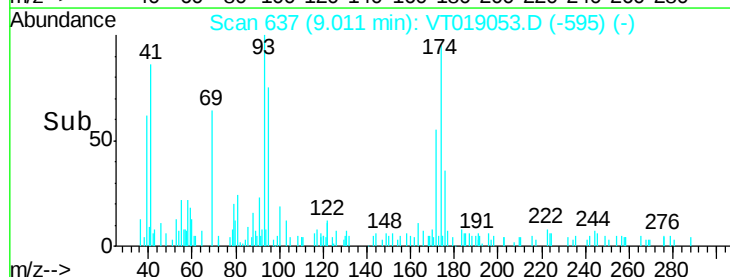
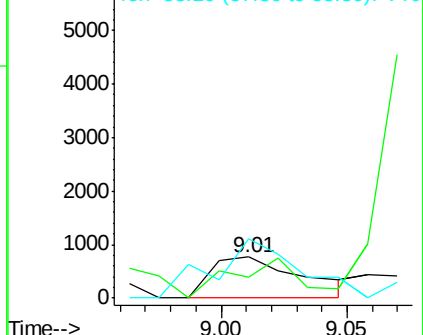
88 100

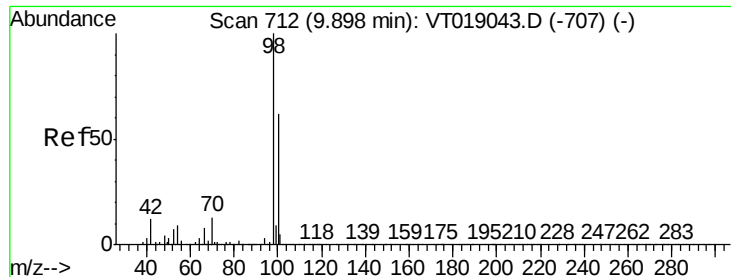
43 50.6 30.5 45.7#

58 143.8 67.5 101.3#



Abundance Ion 88.10 (87.80 to 88.80): VT0
Ion 43.10 (42.80 to 43.80): VT0
Ion 58.10 (57.80 to 58.80): VT0





#49

Toluene-d8

Concen: 51.36 ug/l

RT: 9.90 min Scan# 712

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

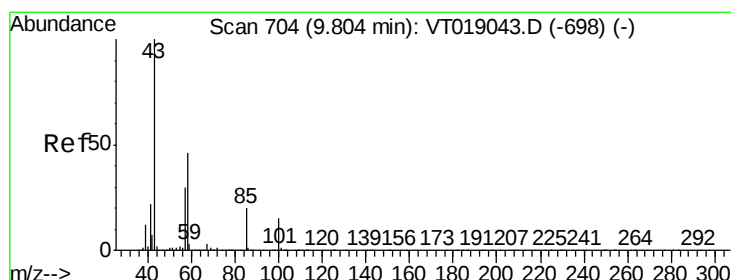
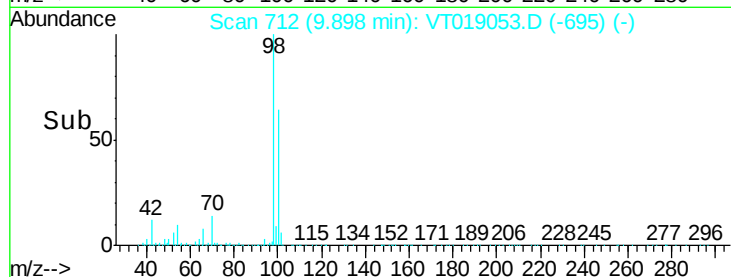
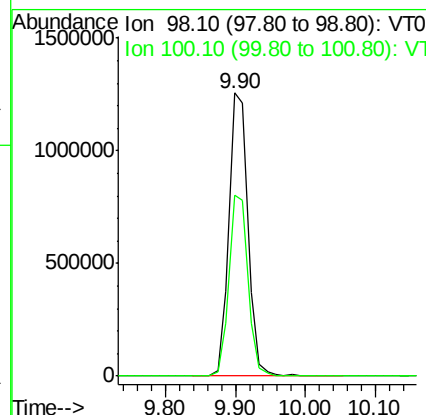
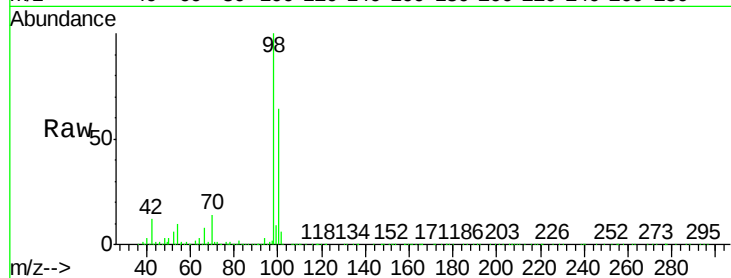
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 98 Resp: 2373577

Ion Ratio Lower Upper

98 100

100 63.8 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 10.01 ug/l

RT: 9.79 min Scan# 703

Delta R.T. -0.01 min

Lab File: VT019053.D

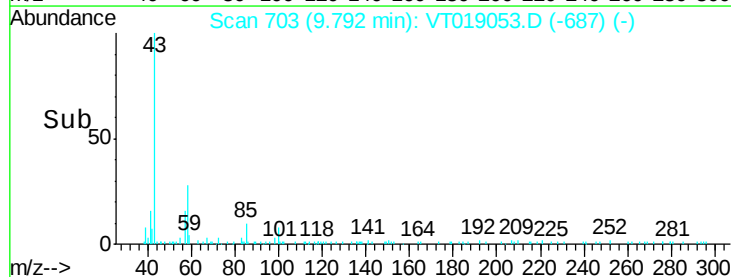
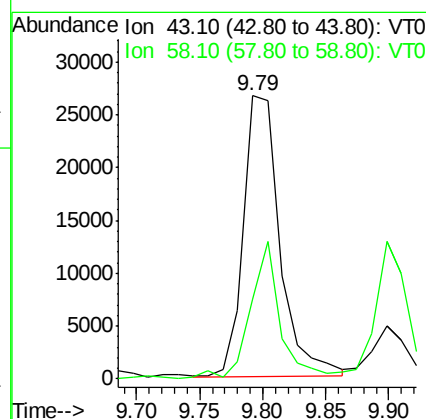
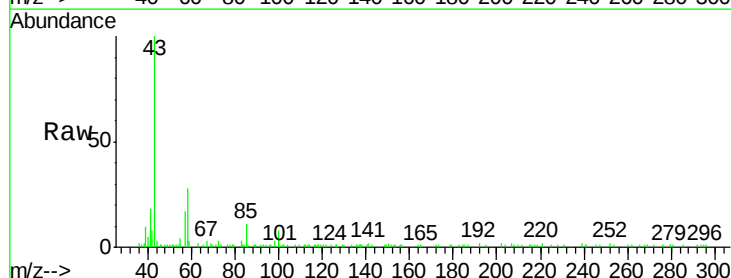
Acq: 9 May 2018 12:50

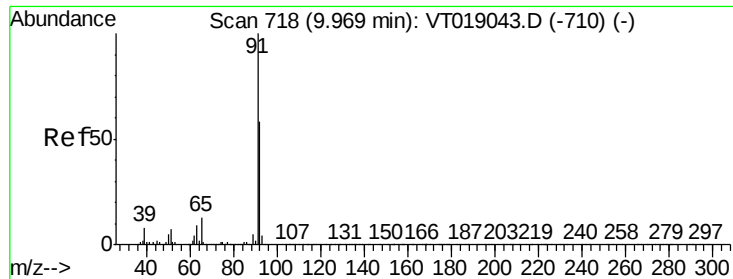
Tgt Ion: 43 Resp: 53988

Ion Ratio Lower Upper

43 100

58 28.2 36.6 54.8#





#51

Toluene

Concen: 2.33 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

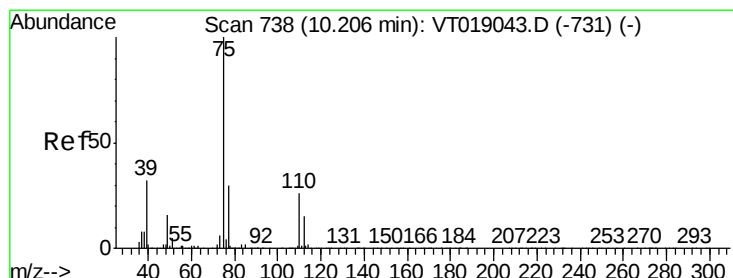
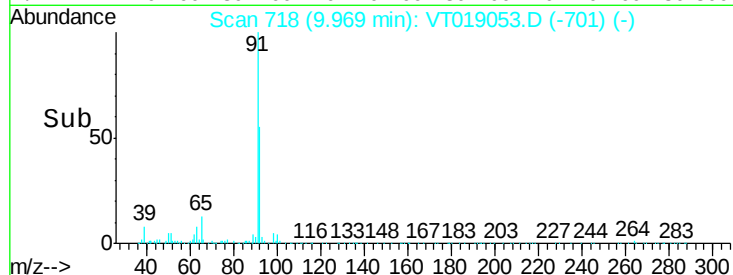
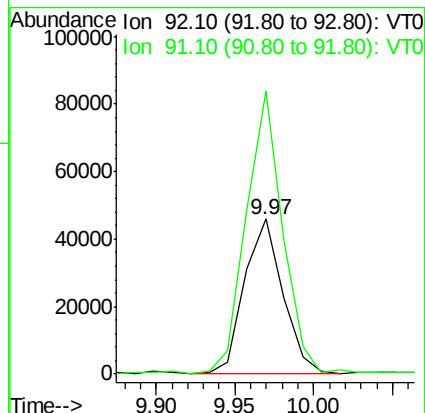
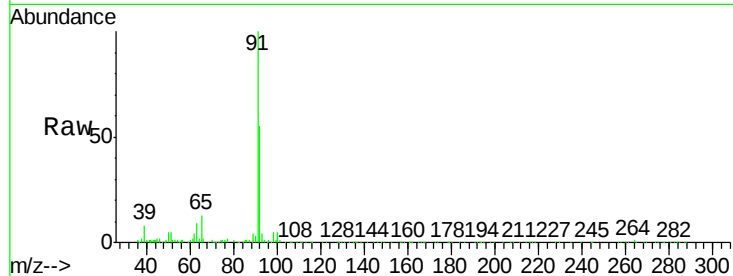
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 92 Resp: 77930

Ion Ratio Lower Upper

92 100

91 182.4 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 1.56 ug/l

RT: 10.21 min Scan# 738

Delta R.T. -0.00 min

Lab File: VT019053.D

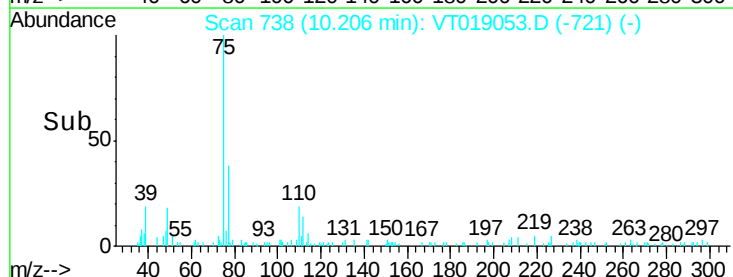
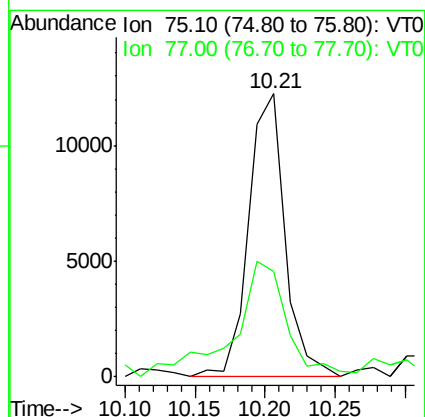
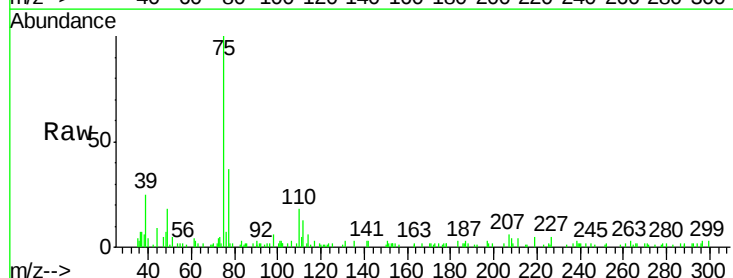
Acq: 9 May 2018 12:50

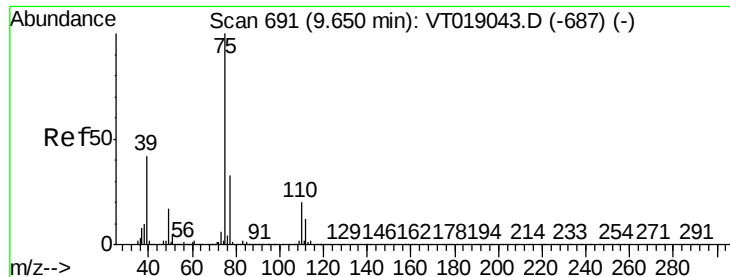
Tgt Ion: 75 Resp: 21986

Ion Ratio Lower Upper

75 100

77 37.2 24.6 36.8#





#53

cis-1,3-Dichloropropene

Concen: 1.70 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

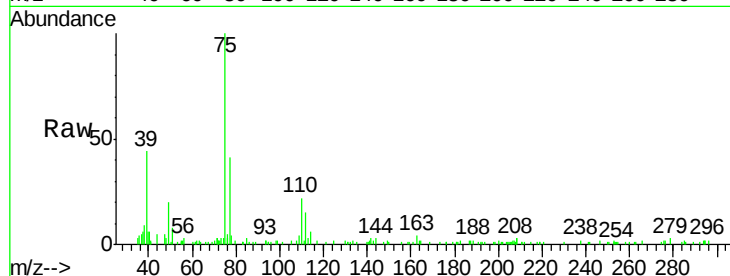
Tot Ion: 75 Resp: 30531

Ion Ratio Lower Upper

75 100

77 39.3 26.6 39.8

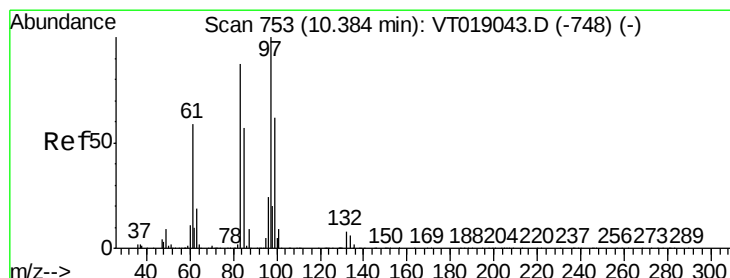
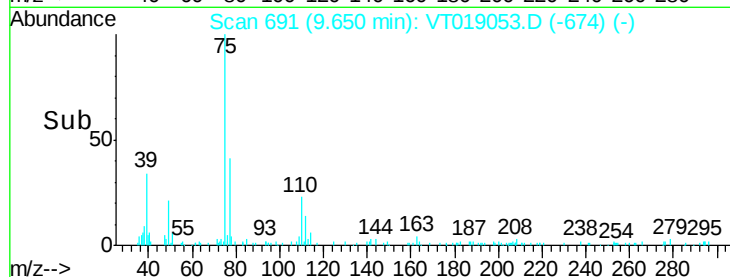
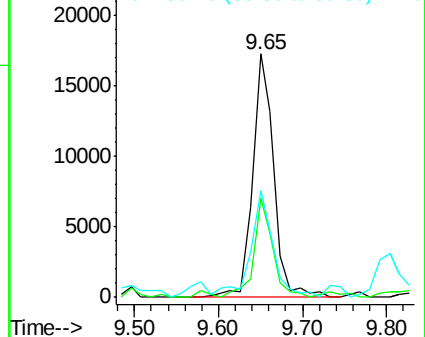
39 48.7 34.1 51.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.00 (76.70 to 77.70): VT0

Ion 39.10 (38.80 to 39.80): VT0



#54

1,1,2-Trichloroethane

Concen: 2.14 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Tgt Ion: 97 Resp: 17318

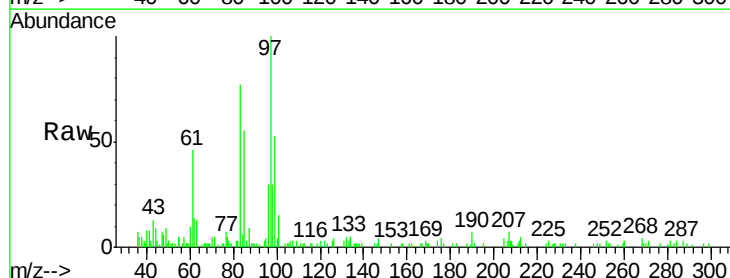
Ion Ratio Lower Upper

97 100

83 76.8 69.7 104.5

85 54.8 46.1 69.1

99 53.0 49.6 74.4

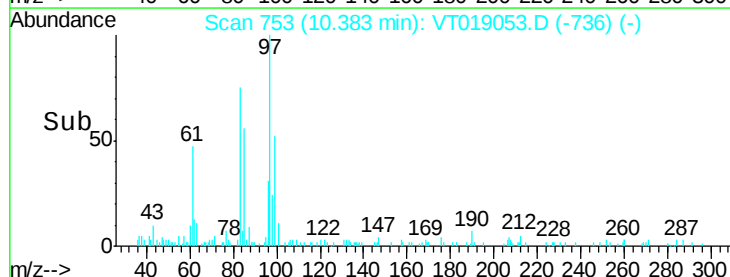
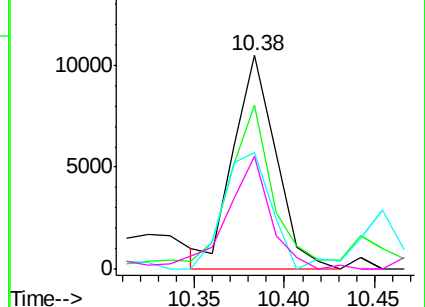


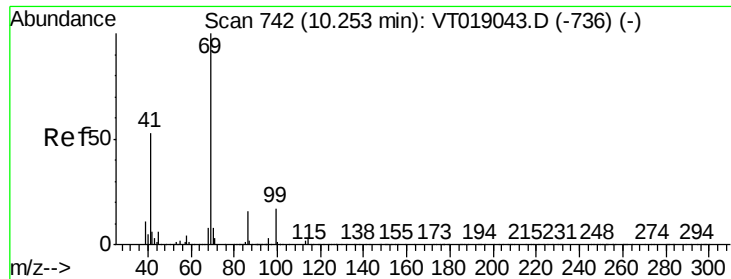
Abundance Ion 97.00 (96.70 to 97.70): VT0

Ion 83.00 (82.70 to 83.70): VT0

Ion 85.00 (84.70 to 85.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

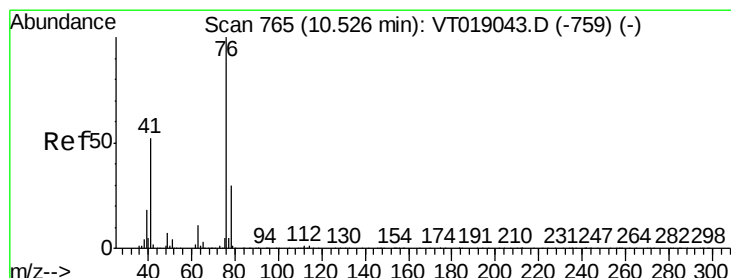
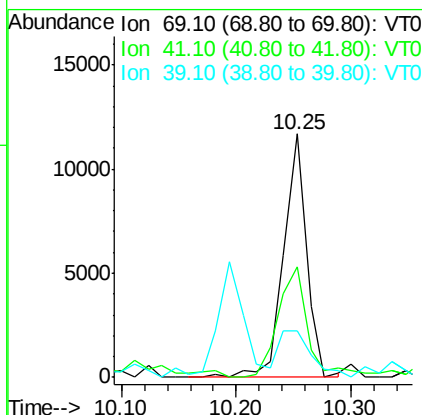
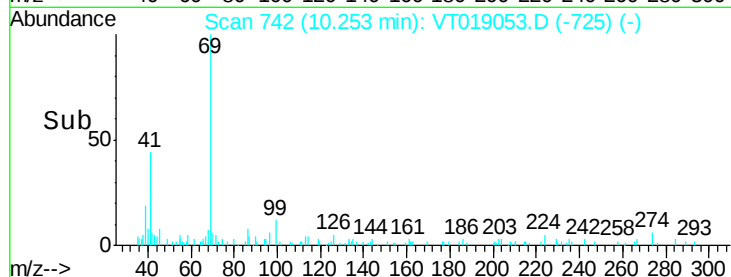
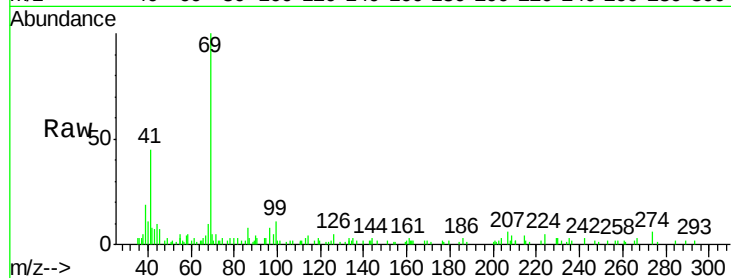




#55
Ethyl methacrylate
Concen: 1.66 ug/l
RT: 10.25 min Scan# 742
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

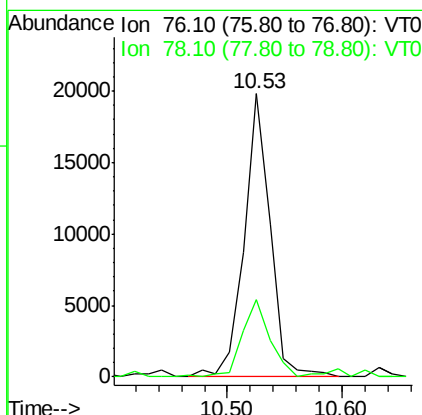
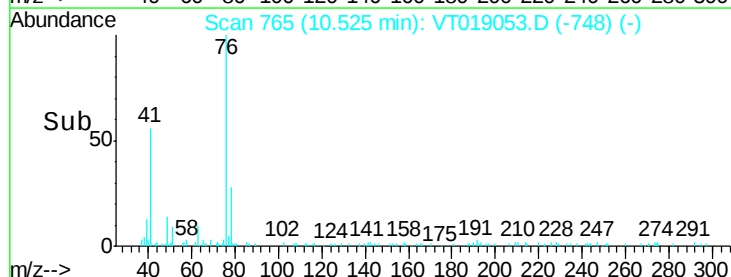
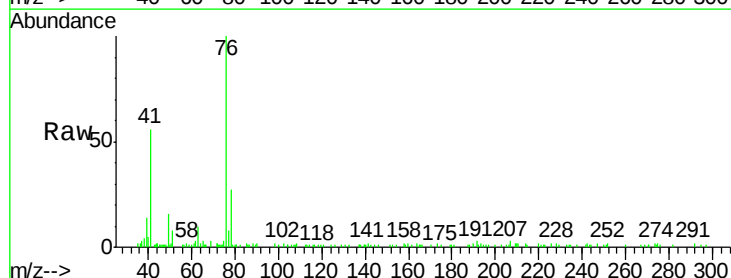
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

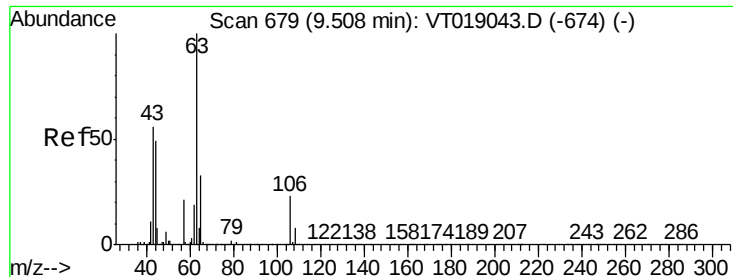
Tot Ion	Ratio	Lower	Upper
69	100		
41	45.4	42.9	64.3
39	19.1	21.2	31.8#



#56
1,3-Dichloropropane
Concen: 2.16 ug/l
RT: 10.53 min Scan# 765
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion	Ratio	Lower	Upper
76	100		
78	27.5	24.1	36.1





#57

2-Chloroethyl Vinyl ether

Concen: 7.17 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

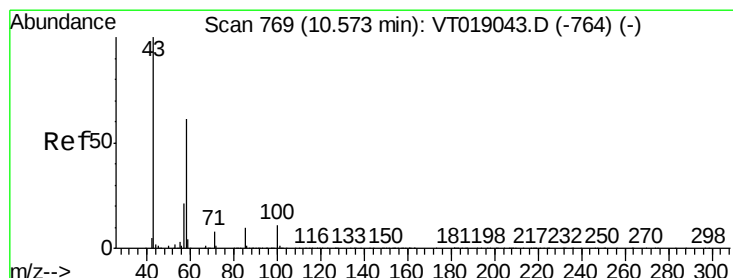
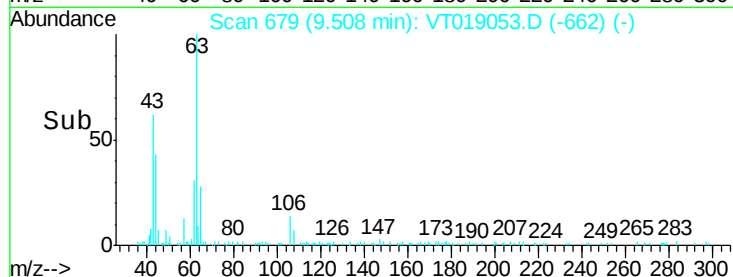
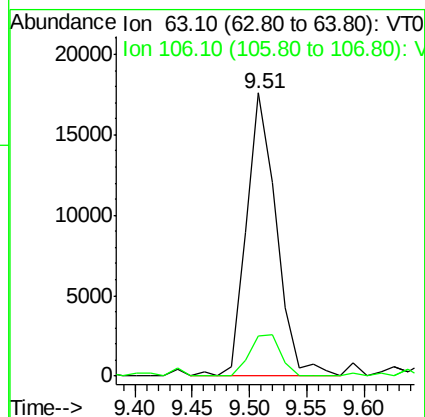
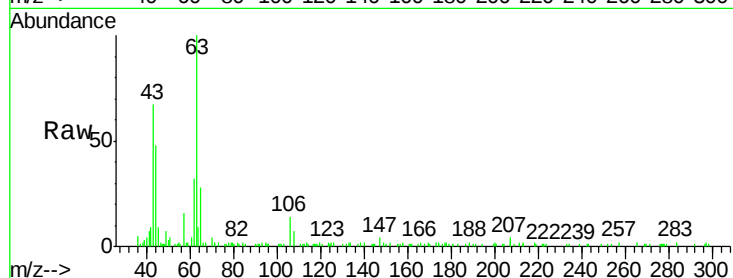
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 63 Resp: 32075

Ion Ratio Lower Upper

63 100

106 14.1 18.7 28.1#



#58

2-Hexanone

Concen: 9.41 ug/l

RT: 10.57 min Scan# 769

Delta R.T. -0.00 min

Lab File: VT019053.D

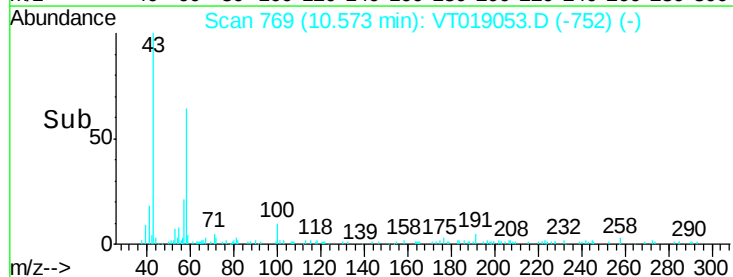
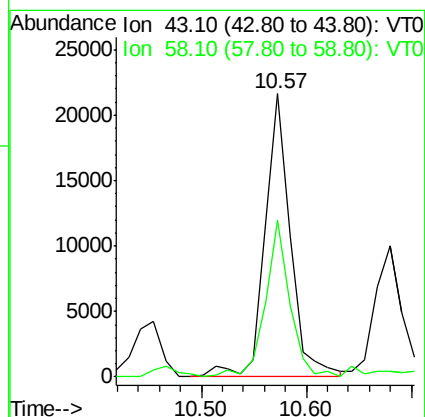
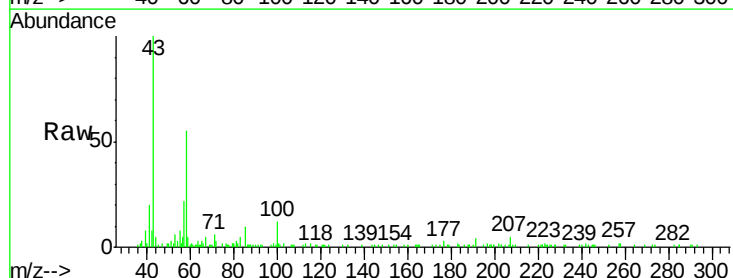
Acq: 9 May 2018 12:50

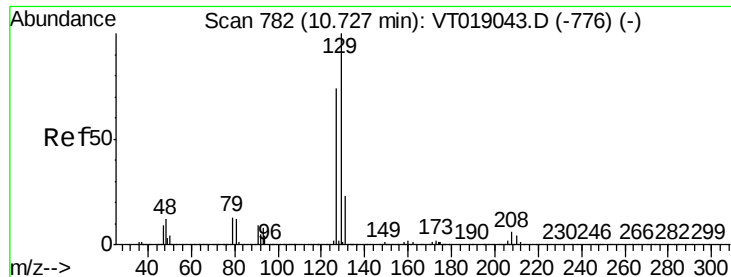
Tgt Ion: 43 Resp: 36813

Ion Ratio Lower Upper

43 100

58 55.5 30.6 92.0





#59

Dibromochloromethane

Concen: 1.58 ug/l

RT: 10.71 min Scan# 781

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

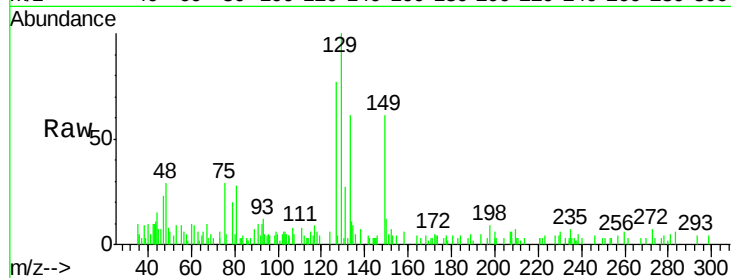
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:129 Resp: 13357

Ion Ratio Lower Upper

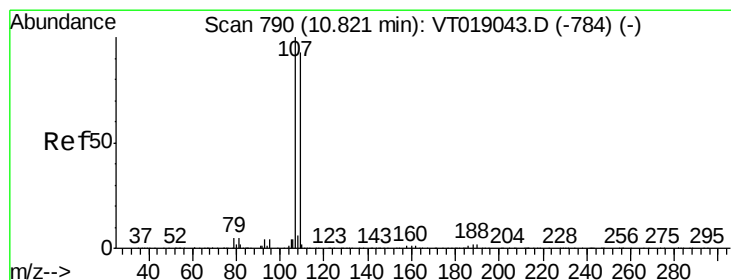
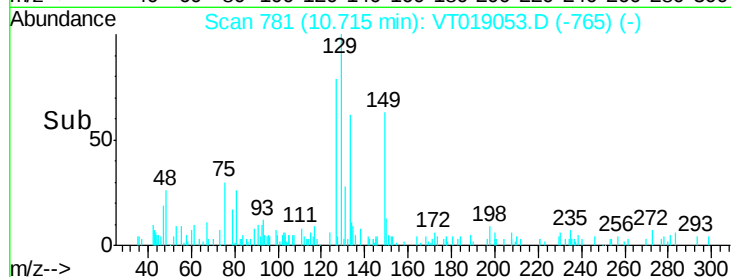
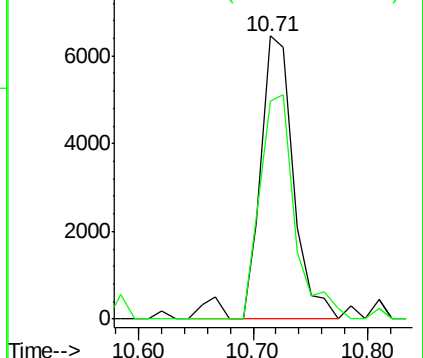
129 100

127 77.1 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V



#60

1,2-Dibromoethane

Concen: 1.76 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019053.D

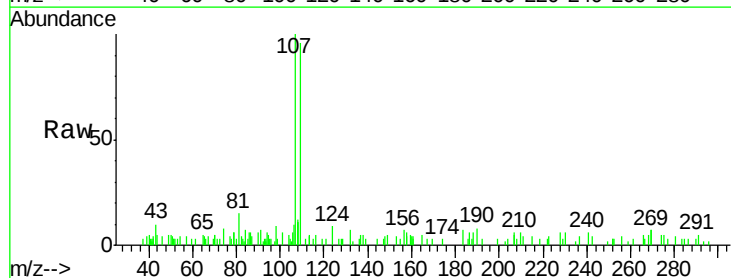
Acq: 9 May 2018 12:50

Tgt Ion:107 Resp: 12360

Ion Ratio Lower Upper

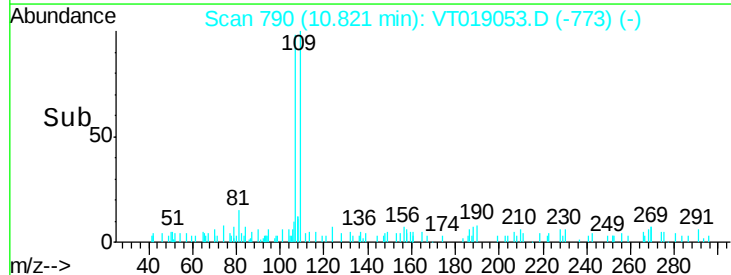
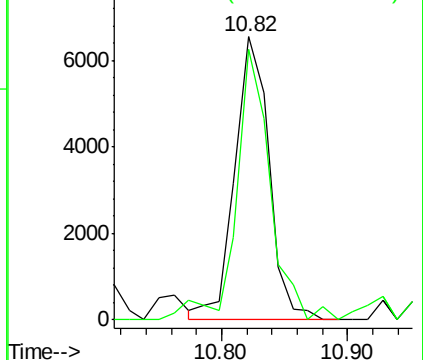
107 100

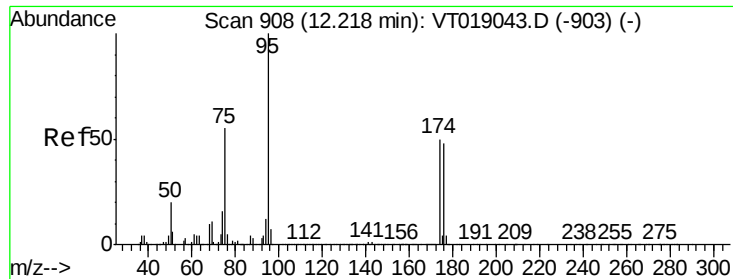
109 95.8 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

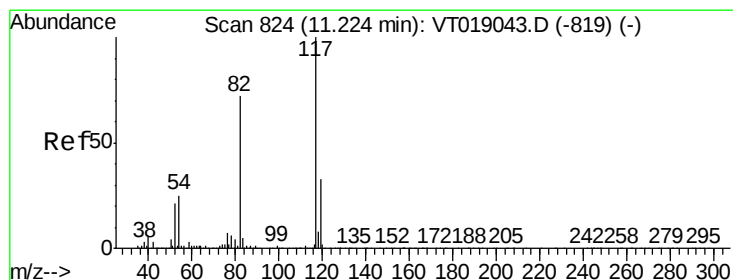
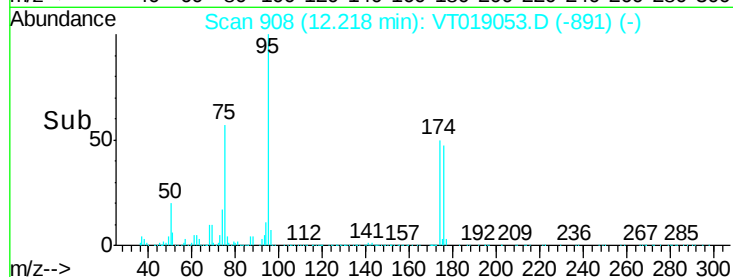
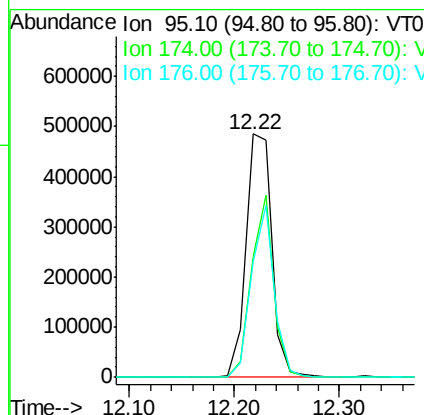
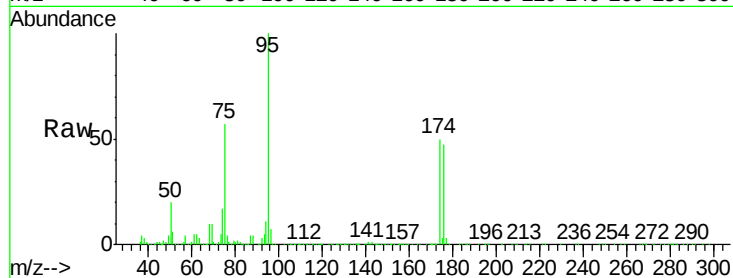




#61
4-Bromofluorobenzene
Concen: 47.57 ug/l
RT: 12.22 min Scan# 908
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

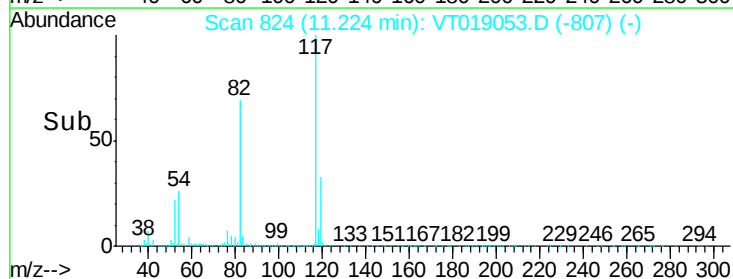
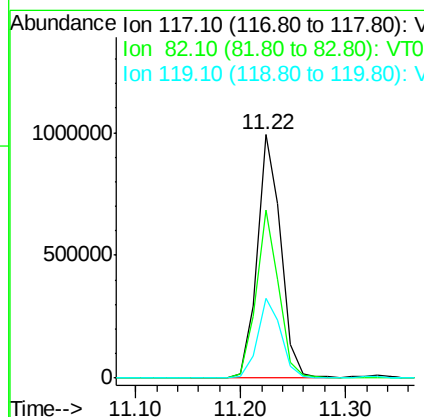
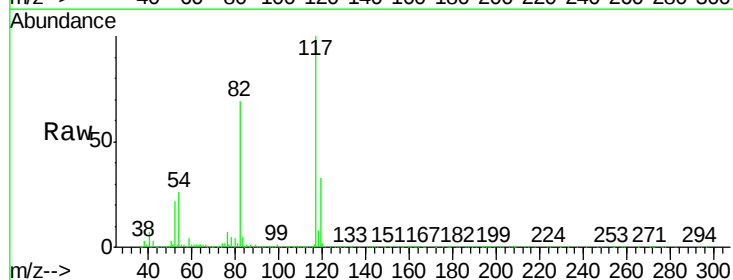
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

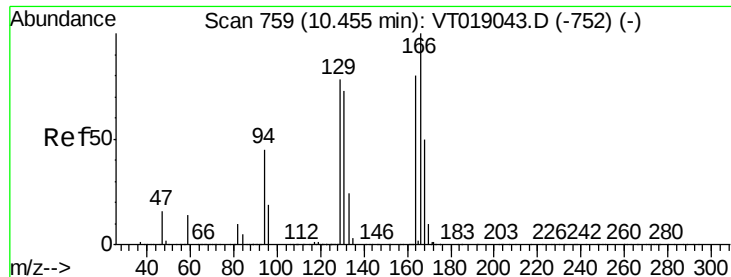
Tot Ion: 95 Resp: 827764
Ion Ratio Lower Upper
95 100
174 49.6 0.0 100.0
176 47.5 0.0 96.6



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion: 117 Resp: 1555712
Ion Ratio Lower Upper
117 100
82 68.9 57.6 86.4
119 32.7 26.6 40.0

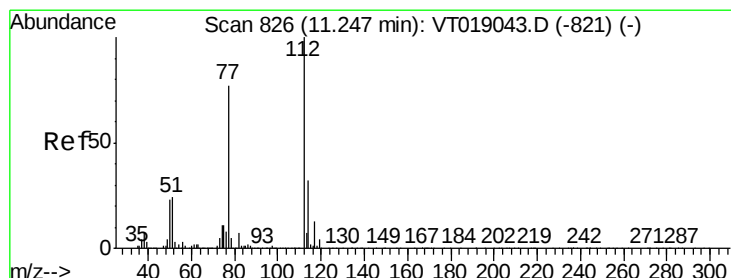
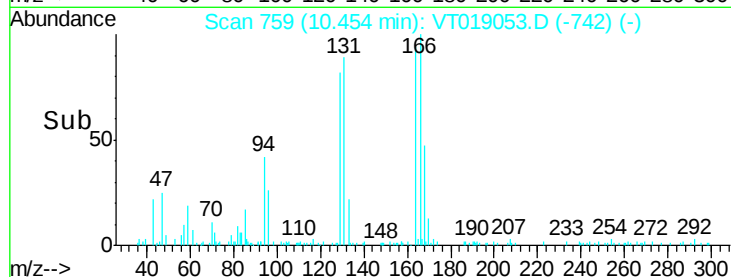
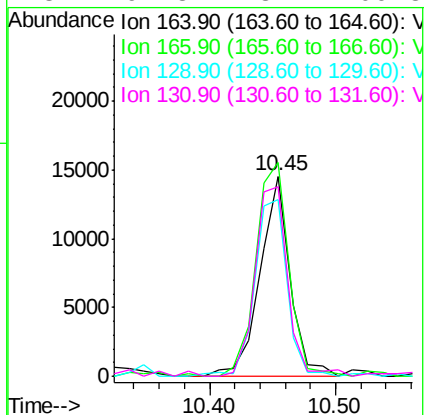
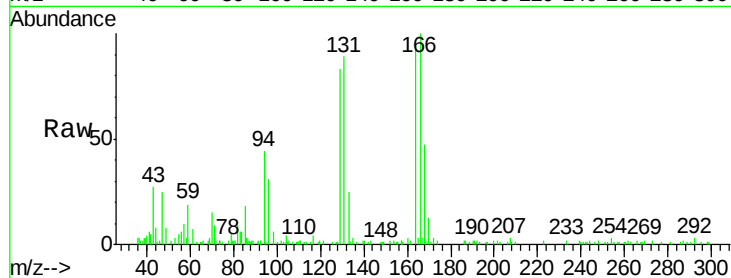




#63
Tetrachloroethene
Concen: 2.28 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

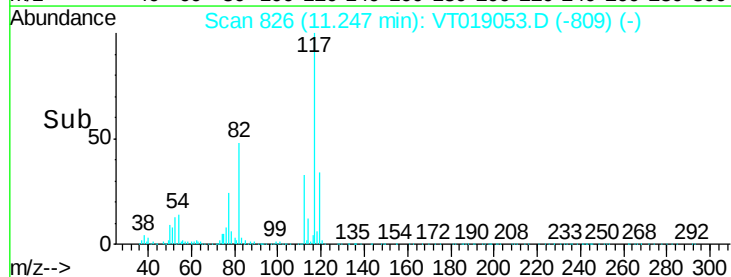
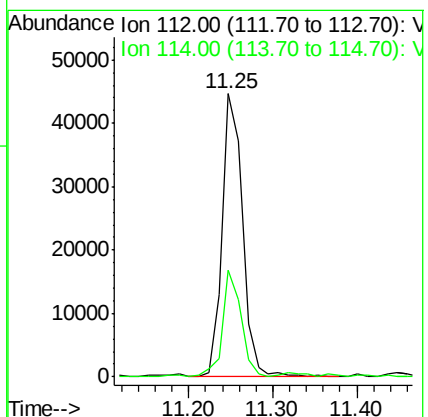
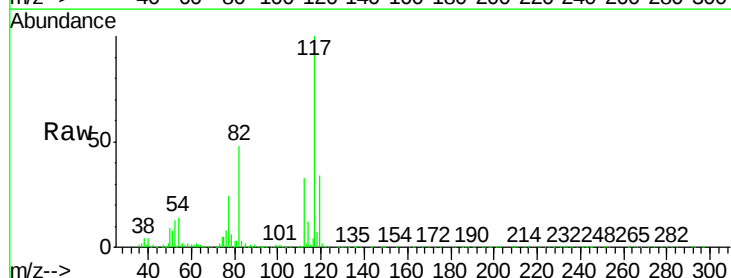
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

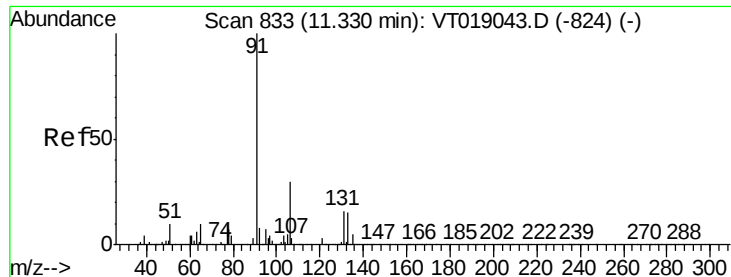
Tot Ion:164 Resp: 24286
Ion Ratio Lower Upper
164 100
166 106.8 100.6 151.0
129 88.4 78.1 117.1
131 94.8 73.2 109.8



#64
Chlorobenzene
Concen: 2.38 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion:112 Resp: 76809
Ion Ratio Lower Upper
112 100
114 37.6 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 1.96 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

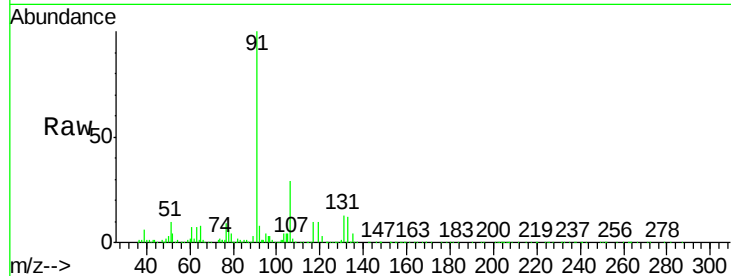
Tot Ion:131 Resp: 20512

Ion Ratio Lower Upper

131 100

133 99.5 47.8 143.3

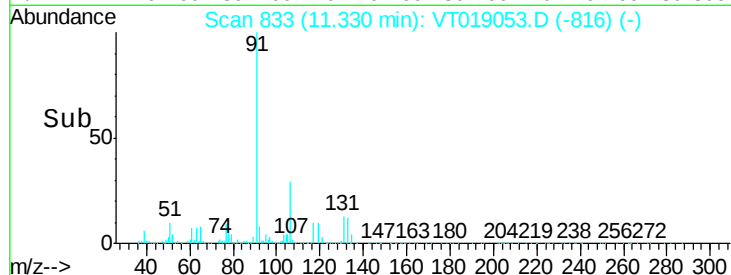
119 75.7 31.8 95.4



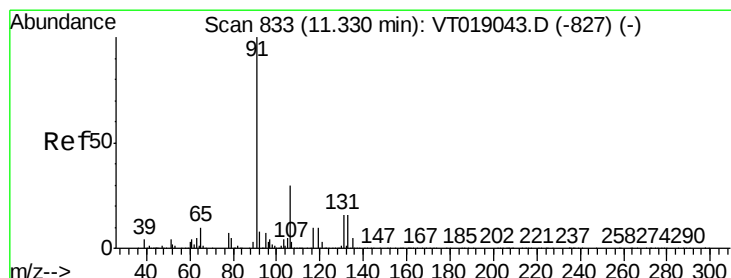
Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.90 (118.60 to 119.60): V



Time--> 11.20 11.30 11.40



#66

Ethyl Benzene

Concen: 2.34 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019053.D

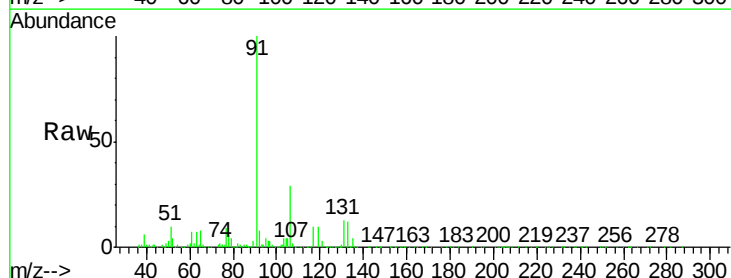
Acq: 9 May 2018 12:50

Tgt Ion: 91 Resp: 144442

Ion Ratio Lower Upper

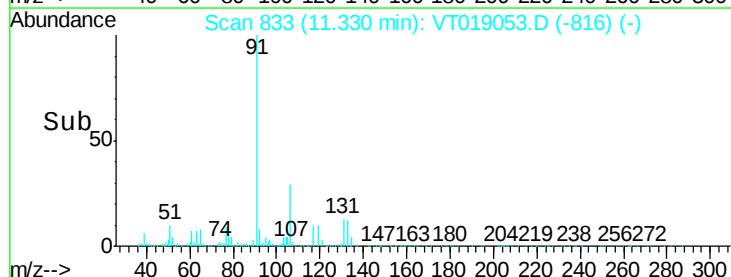
91 100

106 29.0 24.0 36.0

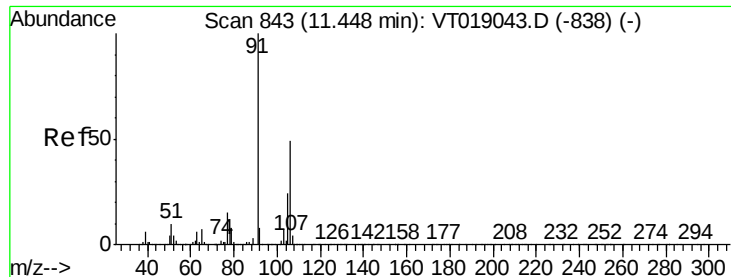


Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V



Time--> 11.25 11.30 11.35 11.40



#67

m/p-Xylenes

Concen: 4.24 ug/l

RT: 11.44 min Scan# 842

Delta R.T. -0.01 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

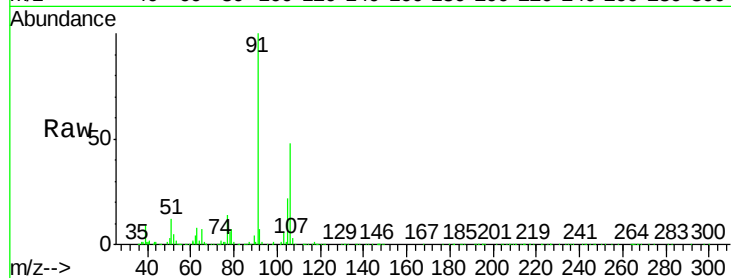
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:106 Resp: 97505

Ion Ratio Lower Upper

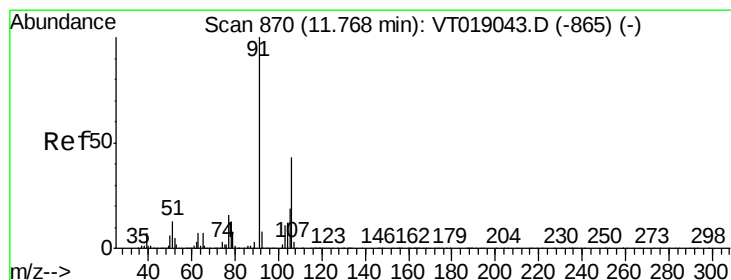
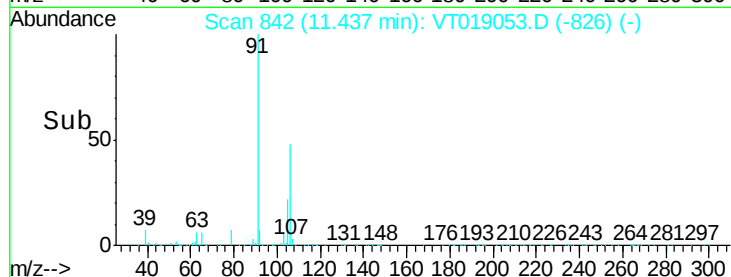
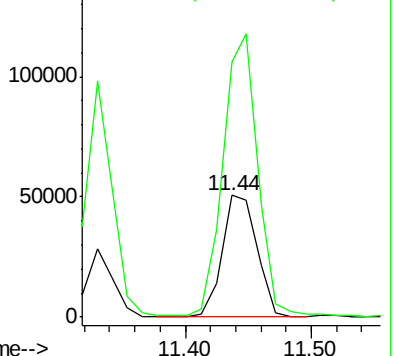
106 100

91 209.5 162.2 243.4



Abundance Ion 106.10 (105.80 to 106.80): V

Ion 91.10 (90.80 to 91.80): VT0



#68

o-Xylene

Concen: 2.02 ug/l

RT: 11.77 min Scan# 870

Delta R.T. -0.00 min

Lab File: VT019053.D

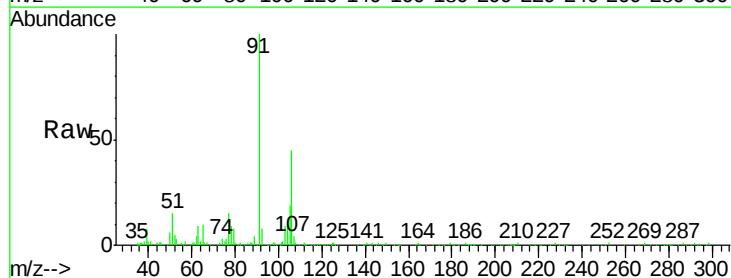
Acq: 9 May 2018 12:50

Tgt Ion:106 Resp: 43473

Ion Ratio Lower Upper

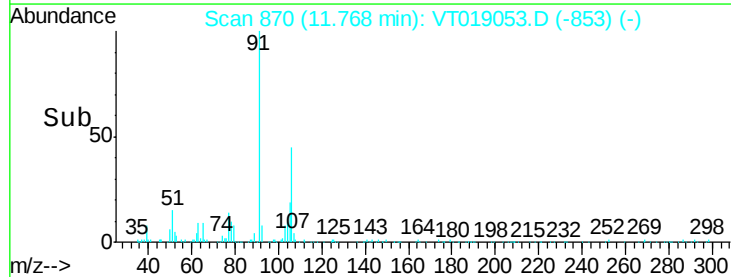
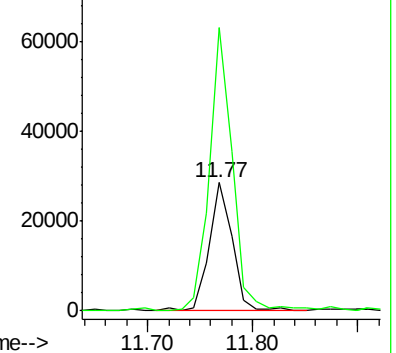
106 100

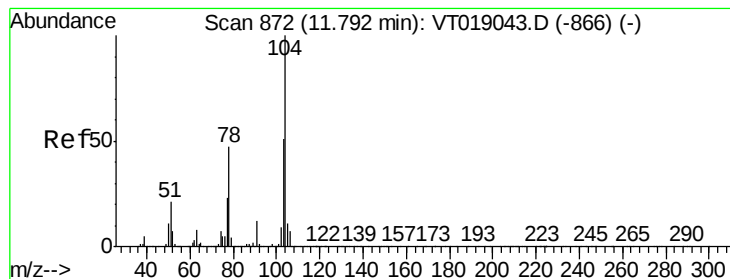
91 220.4 116.0 348.0



Abundance Ion 106.10 (105.80 to 106.80): V

Ion 91.10 (90.80 to 91.80): VT0





#69

Stvrene

Concen: 1.99 ug/l

RT: 11.79 min Scan# 872

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

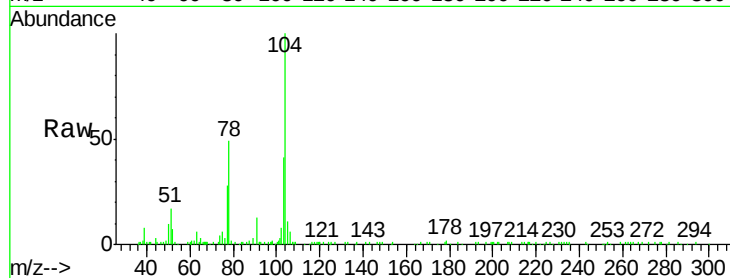
Tot Ion:104 Resp: 66527

Ion Ratio Lower Upper

104 100

78 48.8 38.0 57.0

103 41.4 40.6 61.0

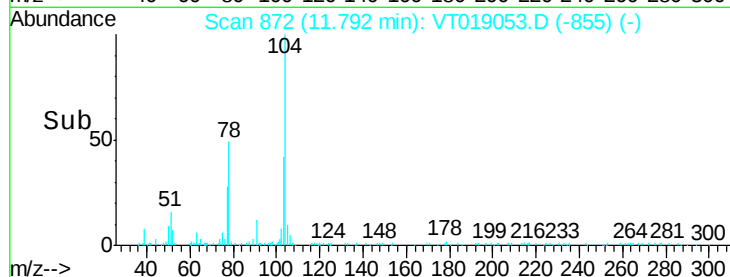


Abundance Ion 104.10 (103.80 to 104.80): V

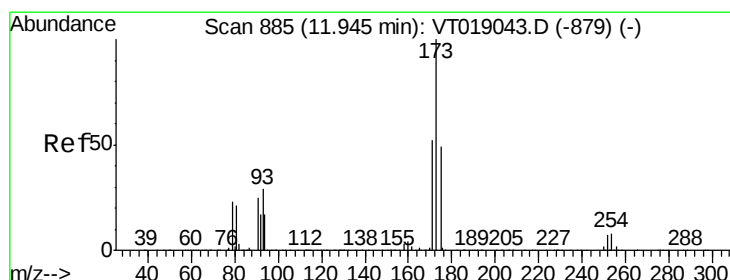
Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V

11.79



Time-->



#70

Bromoform

Concen: 1.66 ug/l

RT: 11.95 min Scan# 885

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

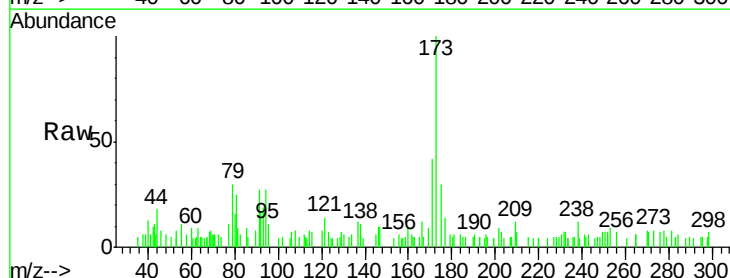
Tgt Ion:173 Resp: 6615

Ion Ratio Lower Upper

173 100

175 30.2 24.6 73.8

254 0.0 6.1 9.1#

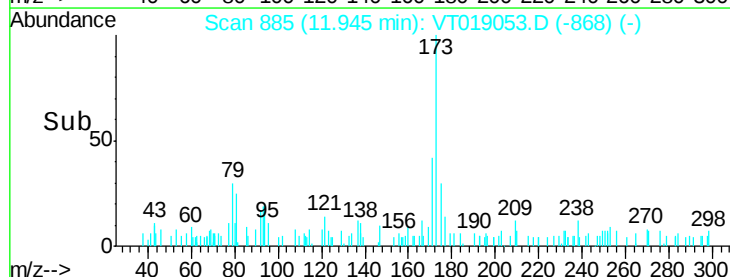


Abundance Ion 172.80 (172.50 to 173.50): V

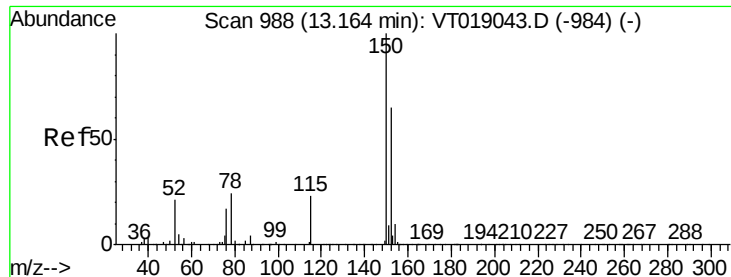
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

11.95



Time-->



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleID :

LOD-MDL-SOIL-01-QT2-2018DL

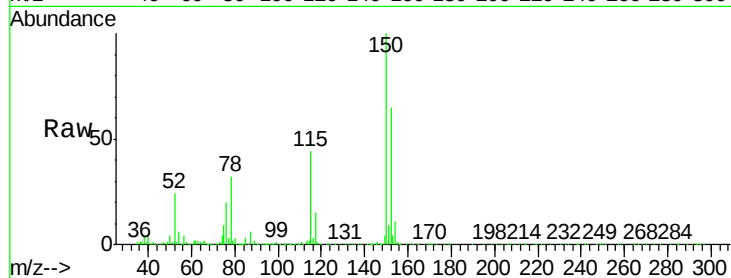
Tot Ion:152 Resp: 689433

Ion Ratio Lower Upper

152 100

115 67.7 34.2 102.6

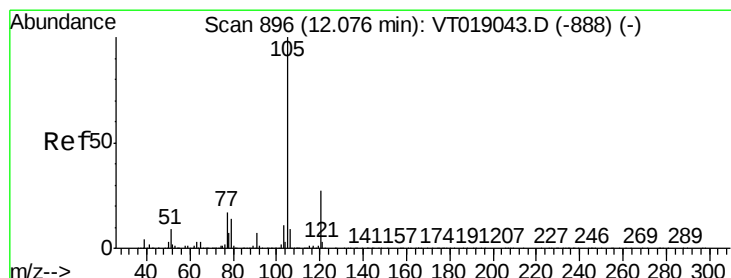
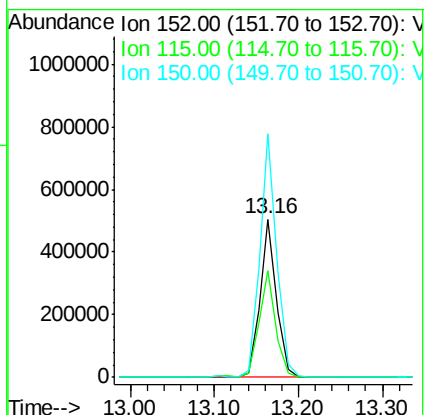
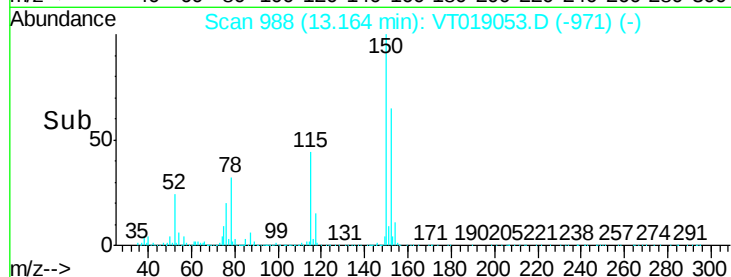
150 154.0 0.0 321.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#72

Isopropylbenzene

Concen: 2.17 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019053.D

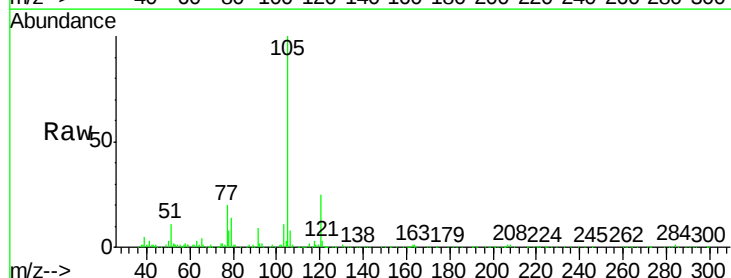
Acq: 9 May 2018 12:50

Tgt Ion:105 Resp: 121002

Ion Ratio Lower Upper

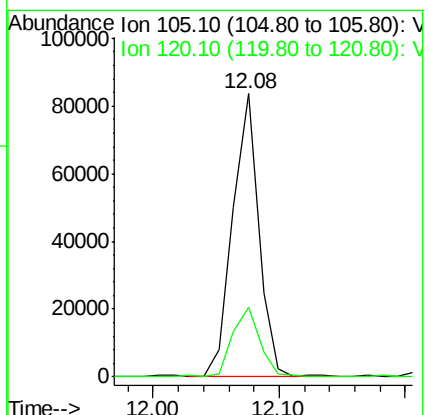
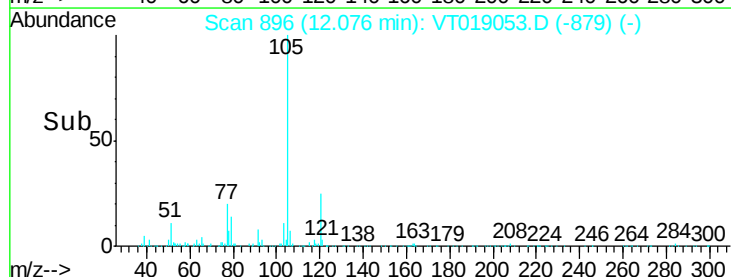
105 100

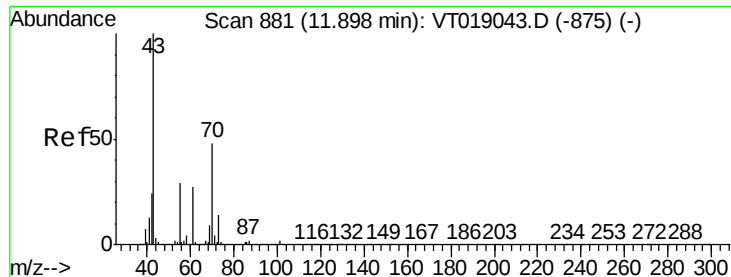
120 24.7 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V





#73

N-amvl acetate

Concen: 1.96 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 43 Resp: 18006

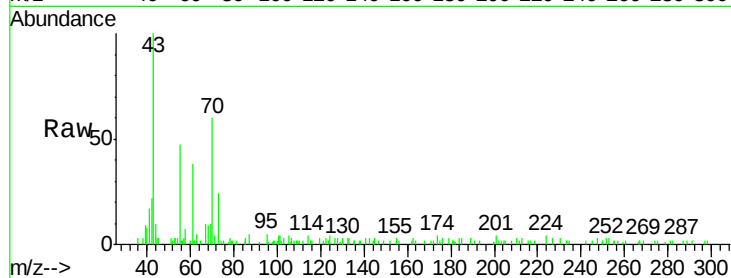
Ion Ratio Lower Upper

43 100

70 59.9 38.2 57.4#

55 46.9 23.5 35.3#

61 39.5 21.7 32.5#

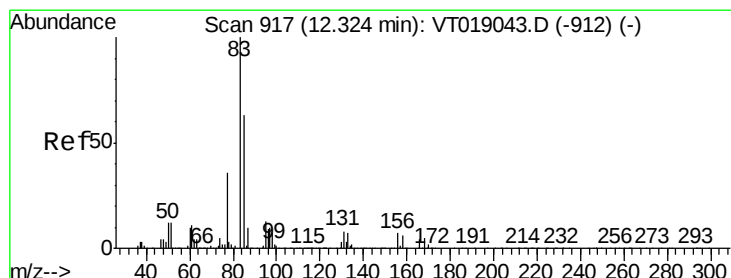
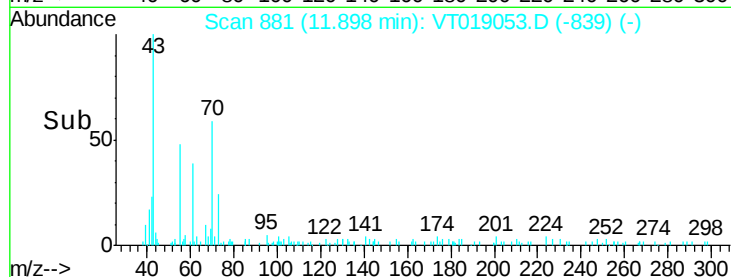
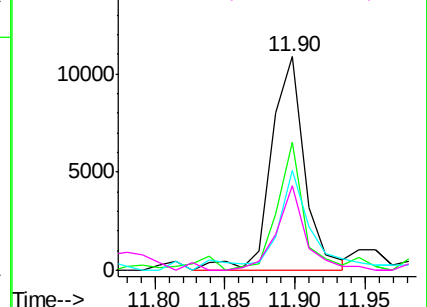


Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 70.10 (69.80 to 70.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 61.10 (60.80 to 61.80): VT0



#74

1,1,2,2-Tetrachloroethane

Concen: 2.22 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

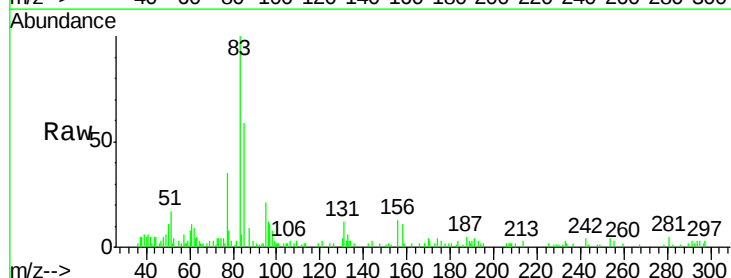
Tgt Ion: 83 Resp: 18170

Ion Ratio Lower Upper

83 100

131 12.3 4.0 12.2#

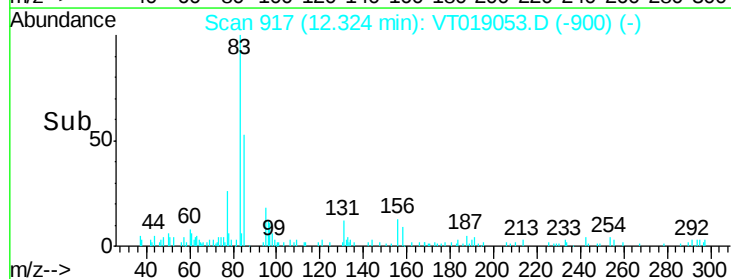
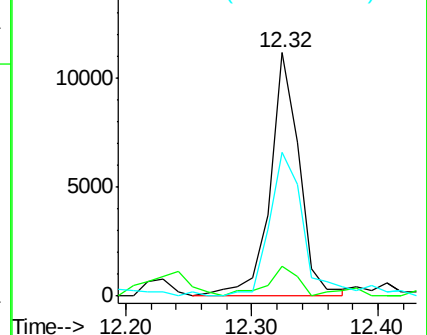
85 58.9 31.4 94.3

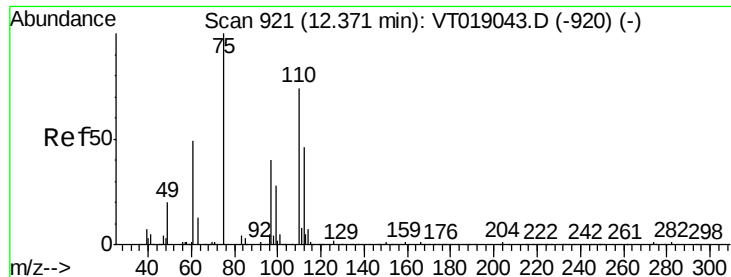


Abundance Ion 83.00 (82.70 to 83.70): VT0

Ion 131.00 (130.70 to 131.70): VT0

Ion 85.00 (84.70 to 85.70): VT0





#75

1,2,3-Trichloropropane

Concen: 1.99 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

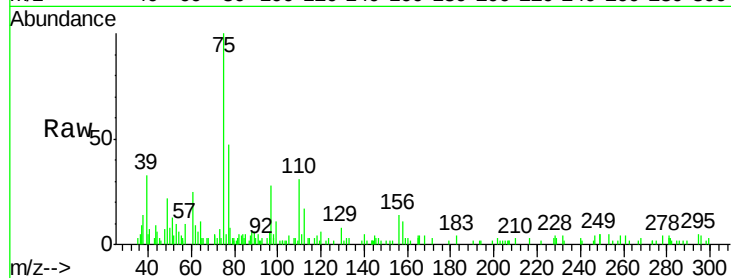
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 75 Resp: 11687

Ion Ratio Lower Upper

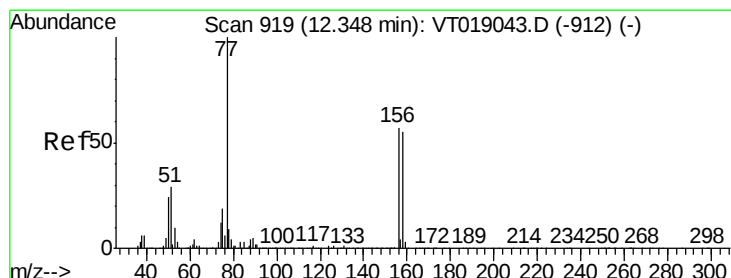
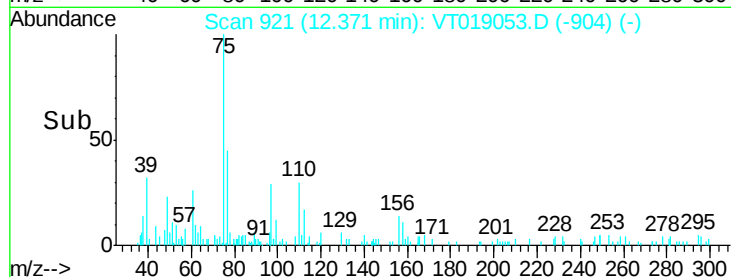
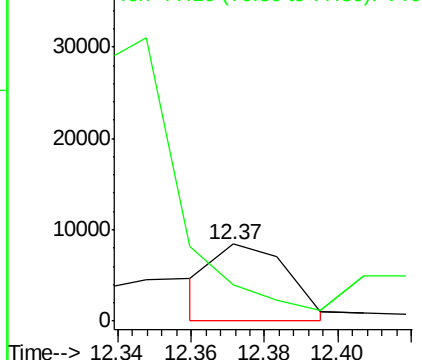
75 100

77 46.6 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0



#76

Bromobenzene

Concen: 2.19 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

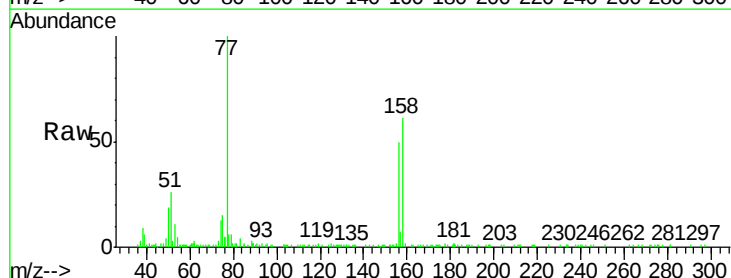
Tgt Ion: 156 Resp: 24095

Ion Ratio Lower Upper

156 100

77 201.1 87.8 263.4

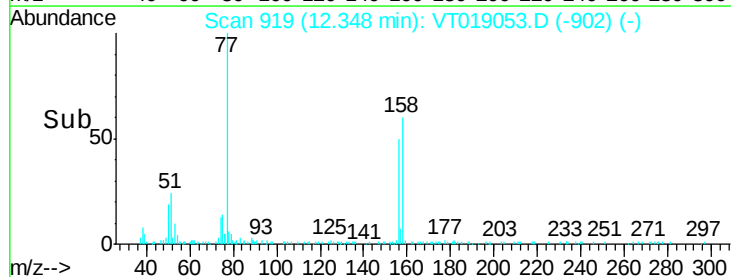
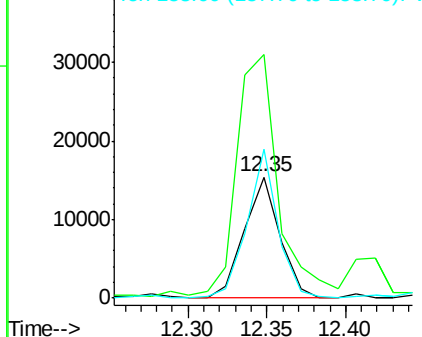
158 122.6 48.3 144.8

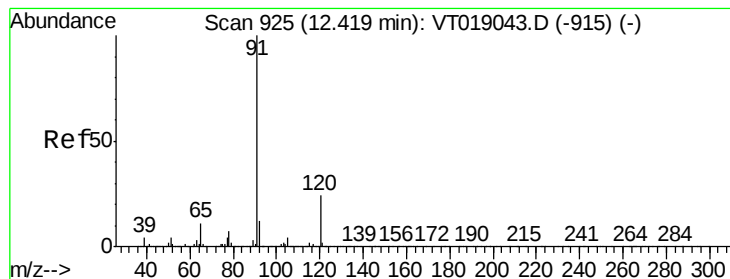


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 3.26 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

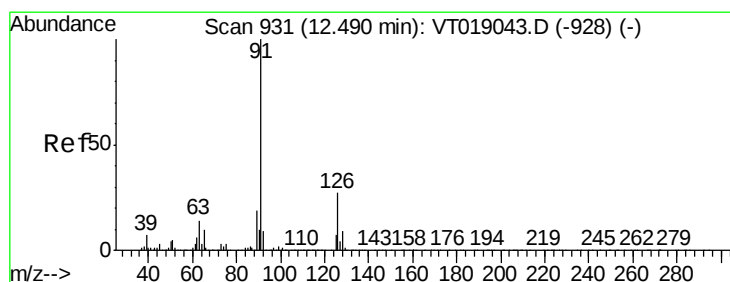
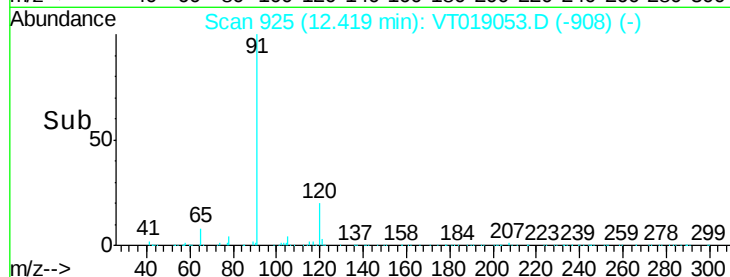
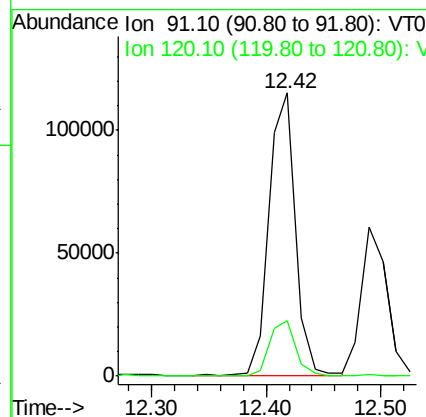
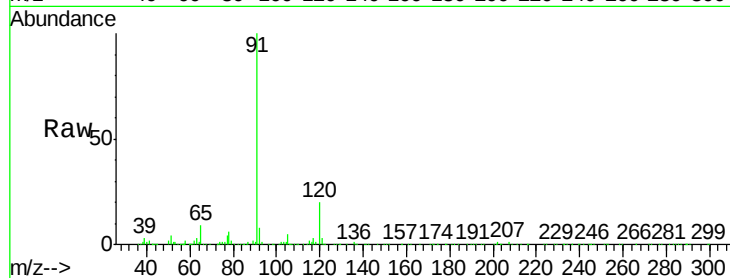
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 91 Resp: 186272

Ion Ratio Lower Upper

91 100

120 19.7 12.0 36.1



#78

2-Chlorotoluene

Concen: 2.26 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019053.D

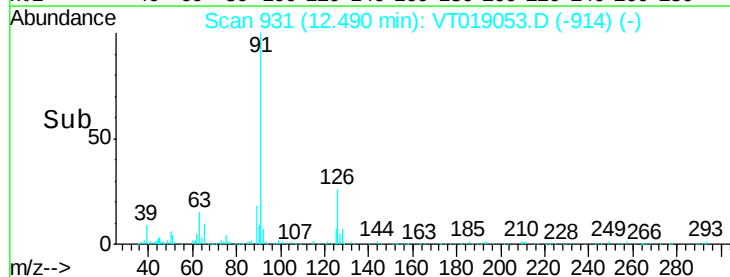
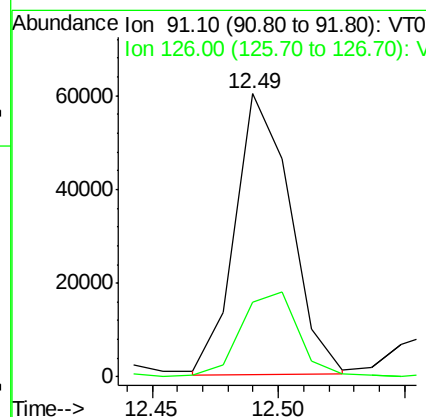
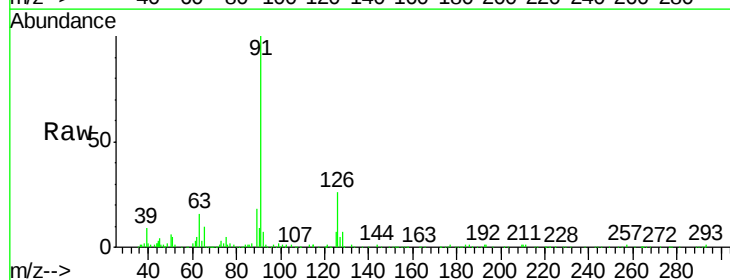
Acq: 9 May 2018 12:50

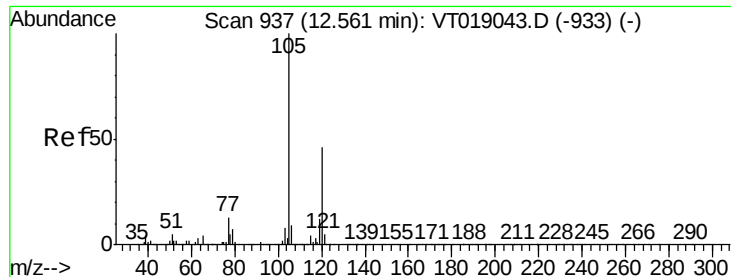
Tgt Ion: 91 Resp: 92231

Ion Ratio Lower Upper

91 100

126 26.3 13.5 40.5

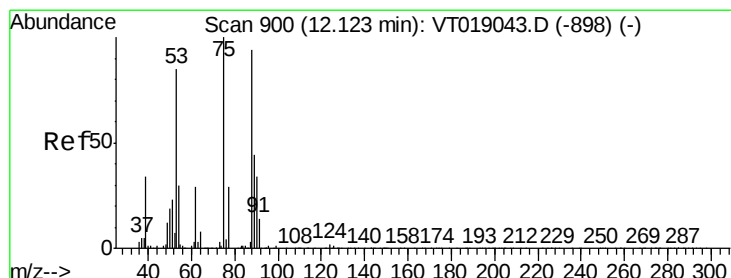
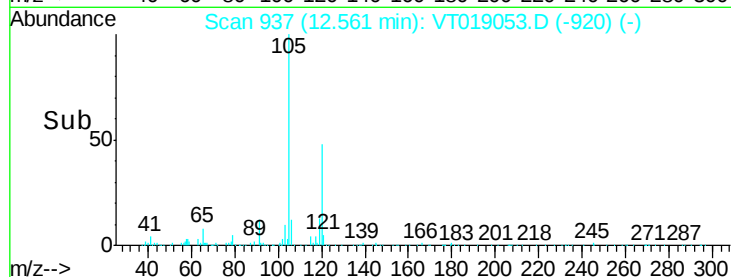
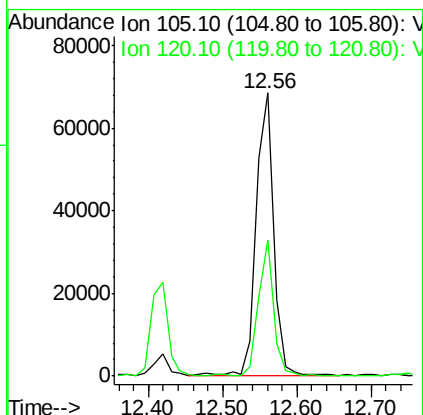
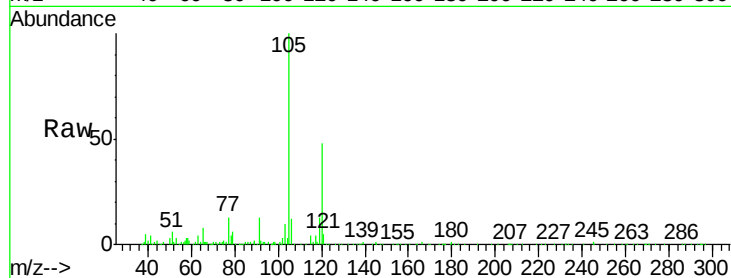




#79
 1,3,5-Trimethylbenzene
 Concen: 2.31 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

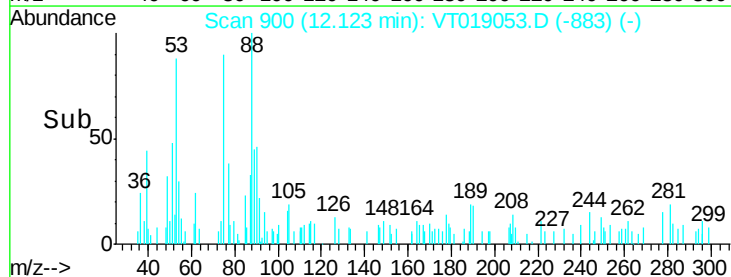
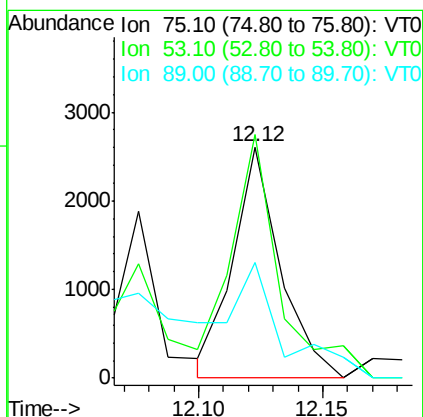
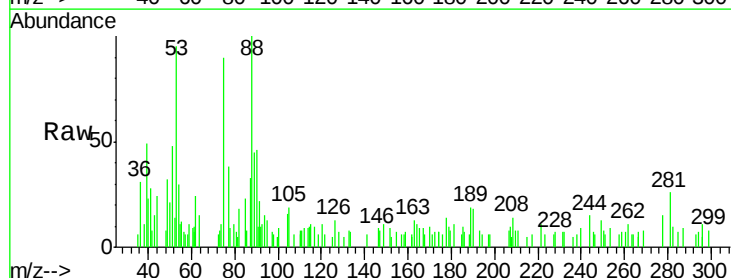
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

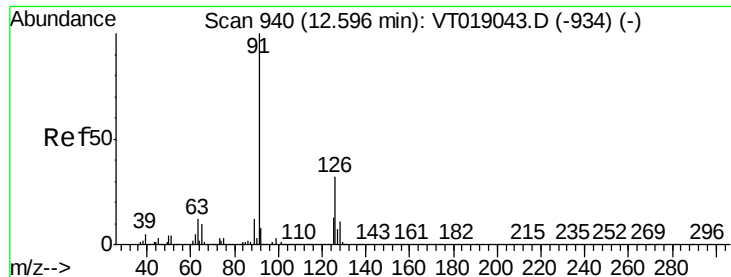
Tot Ion:105 Resp: 111505
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 1.58 ug/l m
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Tgt Ion: 75 Resp: 3483
 Ion Ratio Lower Upper
 75 100
 53 105.5 70.8 106.2
 89 50.4 35.8 53.8





#81

4-Chlorotoluene

Concen: 2.30 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

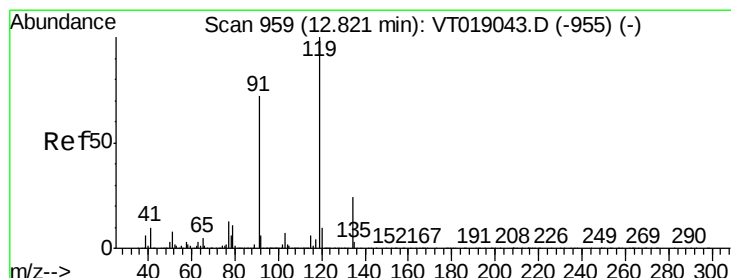
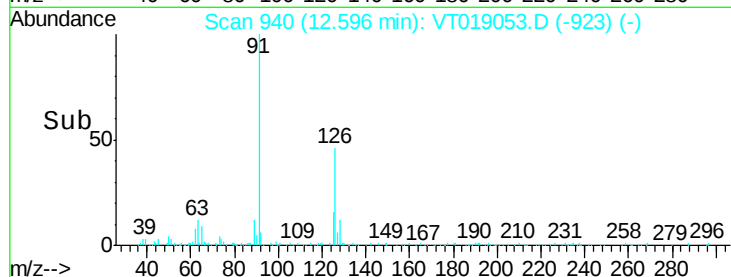
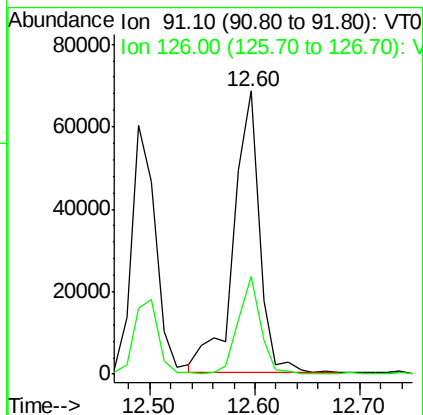
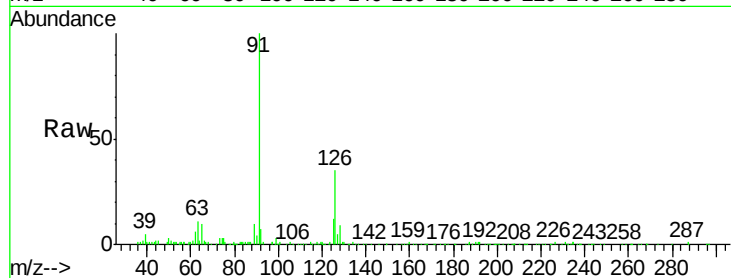
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 91 Resp: 114000

Ion Ratio Lower Upper

91 100

126 34.7 16.0 47.9



#82

tert-Butylbenzene

Concen: 2.57 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

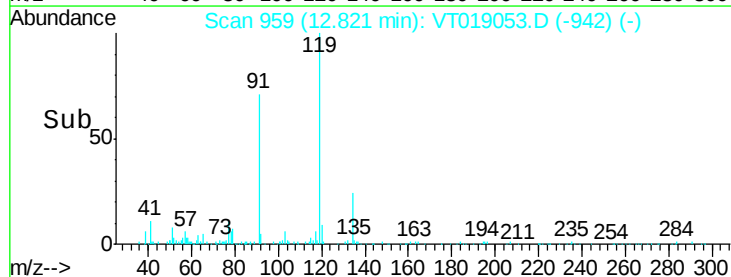
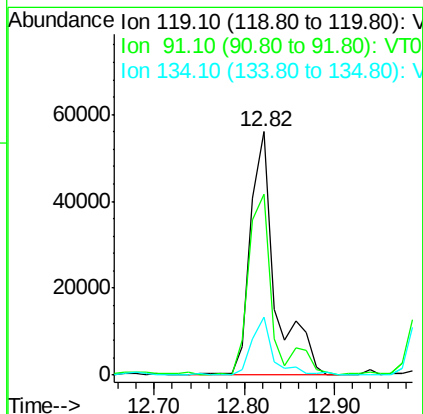
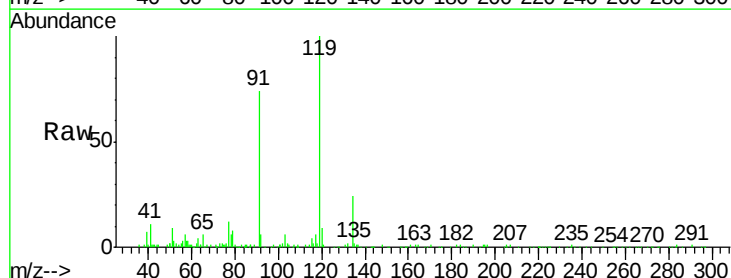
Tgt Ion: 119 Resp: 108061

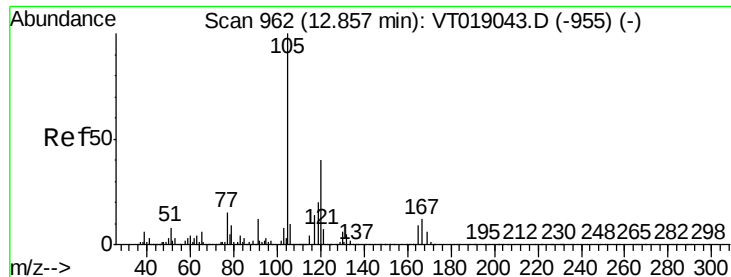
Ion Ratio Lower Upper

119 100

91 74.1 36.1 108.3

134 23.8 12.0 36.1

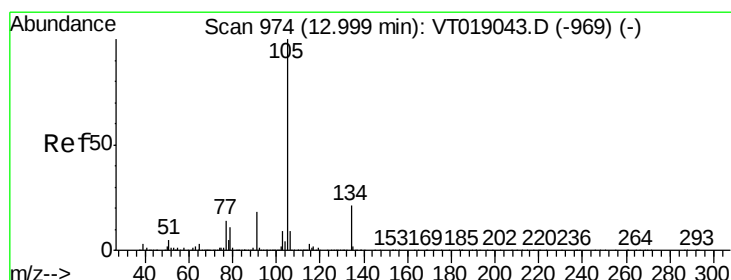
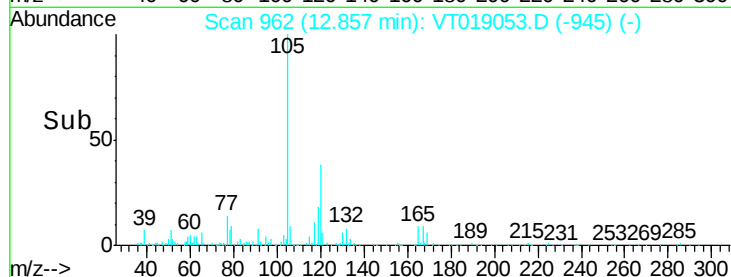
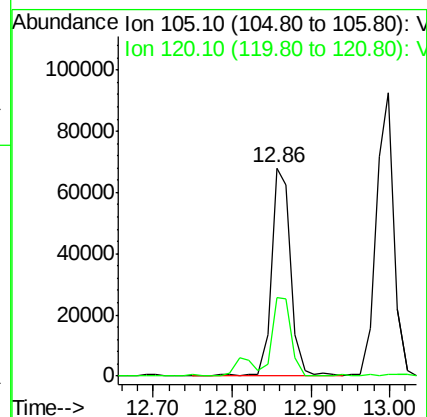
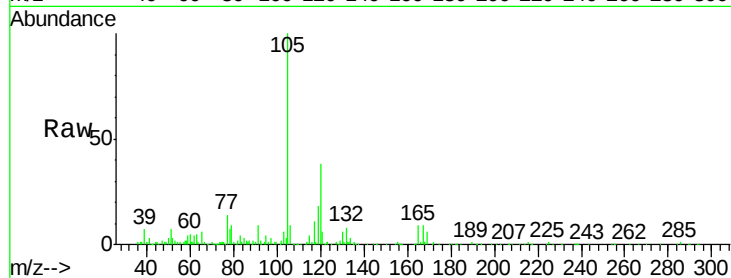




#83
 1,2,4-Trimethylbenzene
 Concen: 2.37 ug/l
 RT: 12.86 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

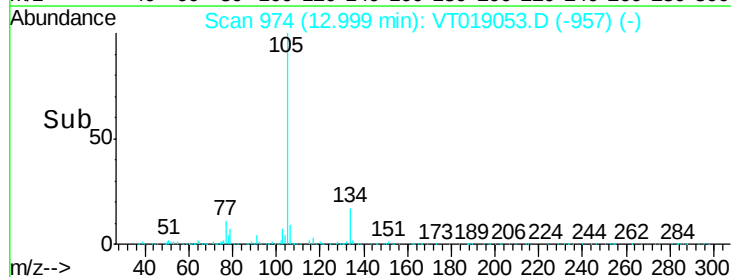
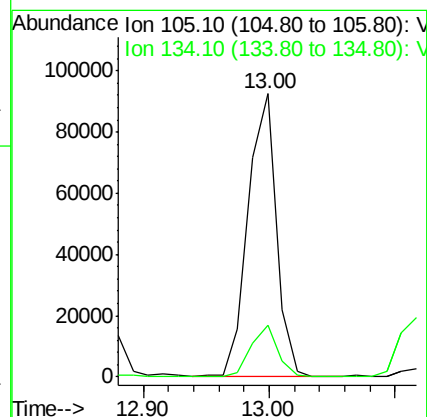
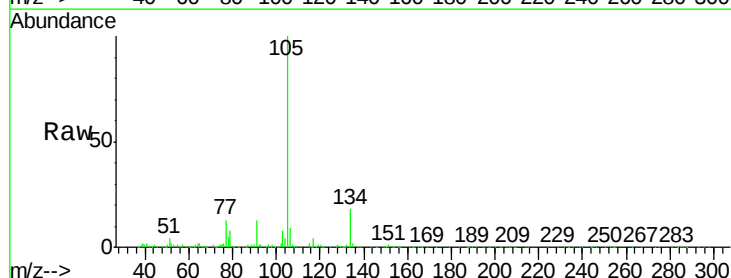
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

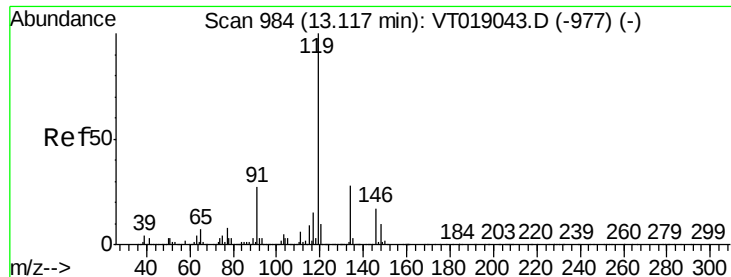
Tot Ion:105 Resp: 116345
 Ion Ratio Lower Upper
 105 100
 120 37.6 20.0 59.9



#84
 sec-Butylbenzene
 Concen: 2.45 ug/l
 RT: 13.00 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Tgt Ion:105 Resp: 145531
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.4 31.2

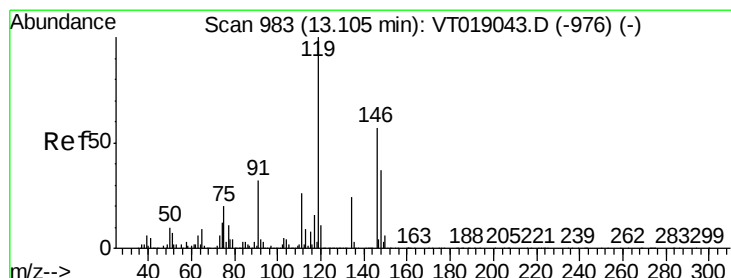
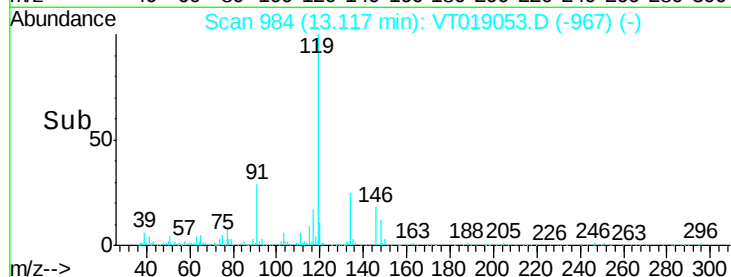
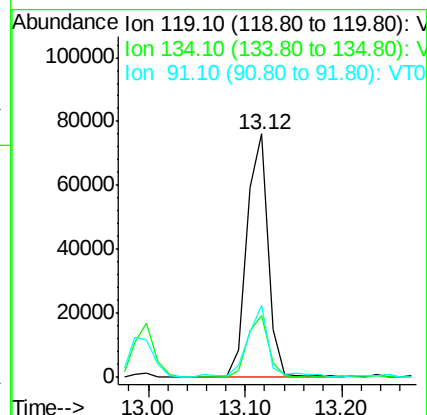
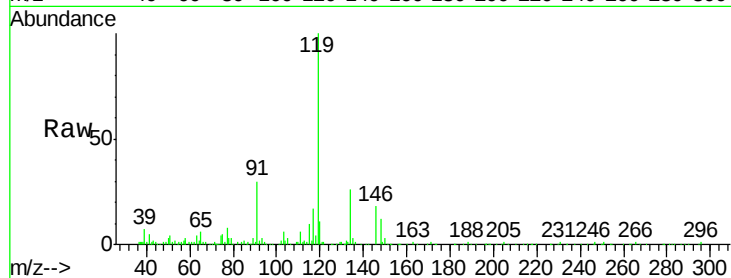




#85
p-Isopropyltoluene
Concen: 2.31 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

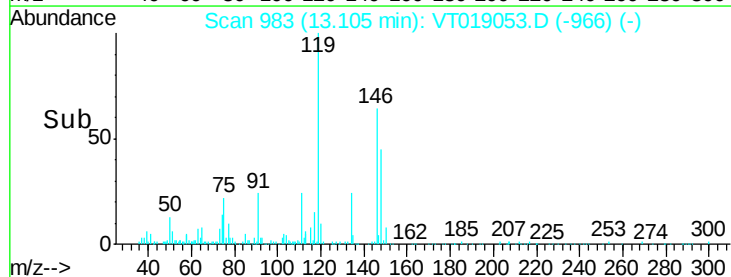
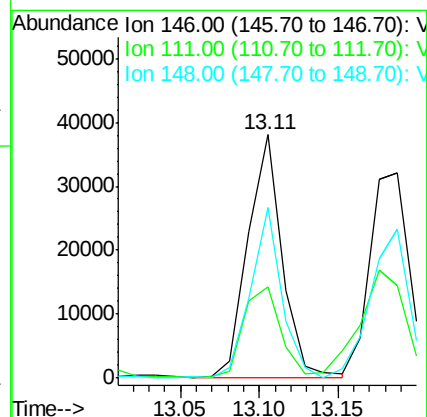
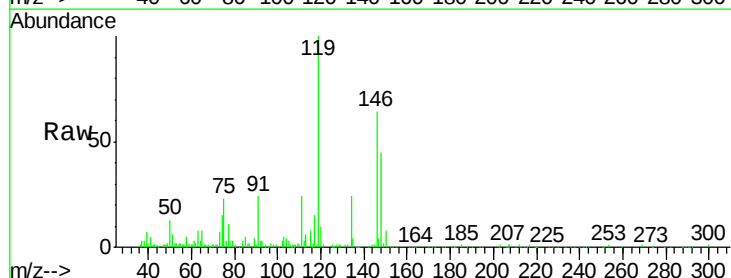
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

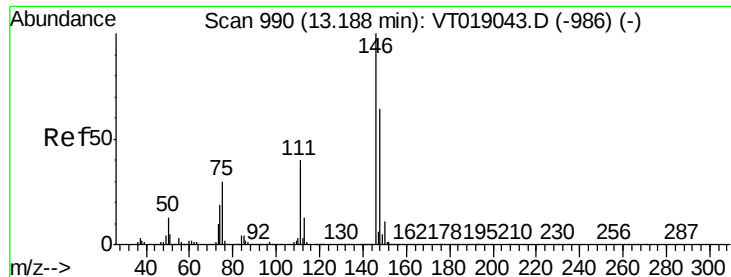
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	14.1	42.3
91	29.7	13.5	40.4



#86
1,3-Dichlorobenzene
Concen: 2.47 ug/l
RT: 13.11 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	23.1	69.2
148	69.9	32.5	97.5

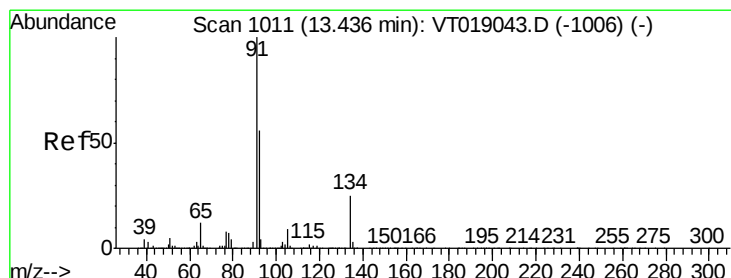
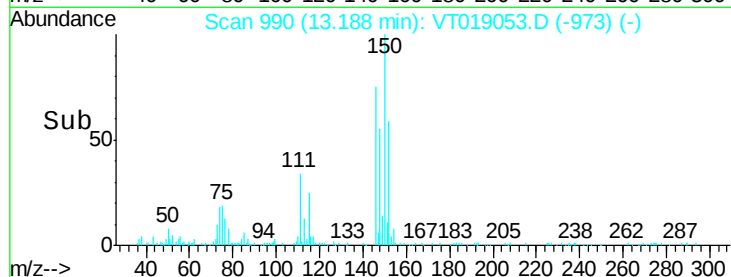
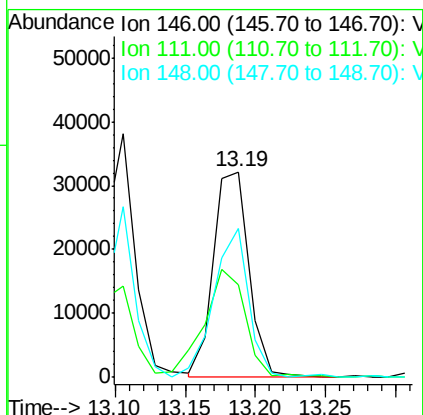
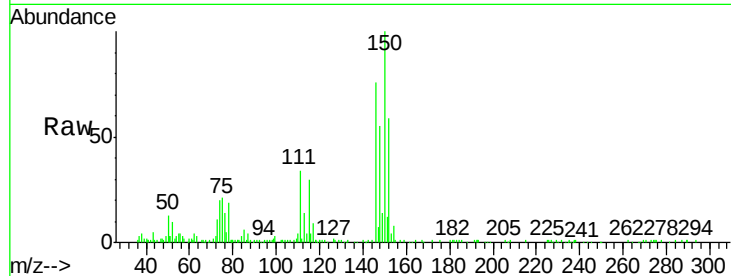




#87
 1,4-Dichlorobenzene
 Concen: 2.52 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

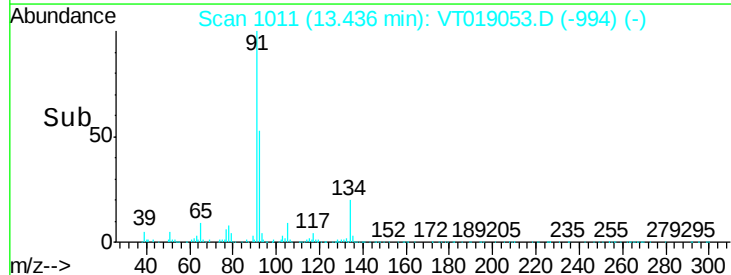
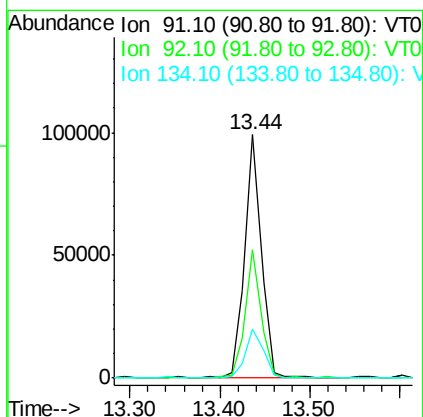
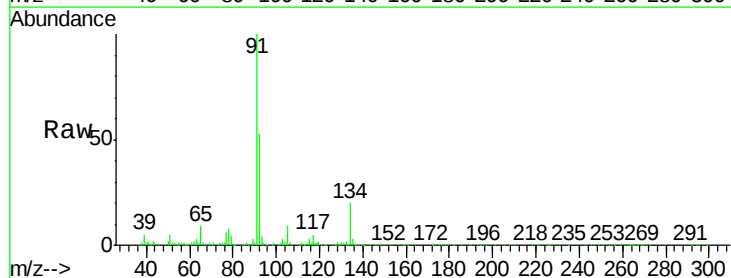
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

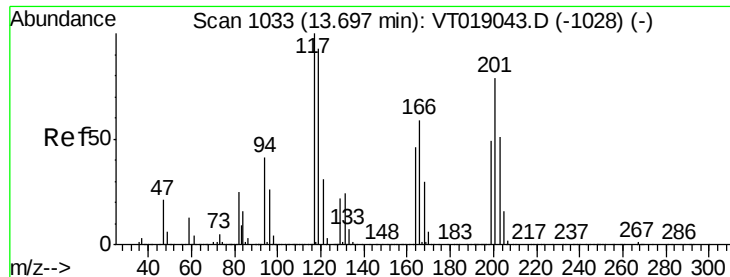
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.3	60.8
148	72.4	32.3	96.8



#88
 n-Butylbenzene
 Concen: 2.40 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	28.0	84.0
134	20.0	12.4	37.0





#89

Hexachloroethane

Concen: 1.92 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

Instrument :

MSVOA_T

ClientSampleId :

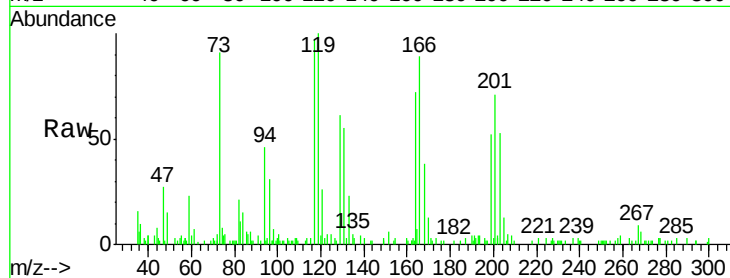
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:117 Resp: 16625

Ion Ratio Lower Upper

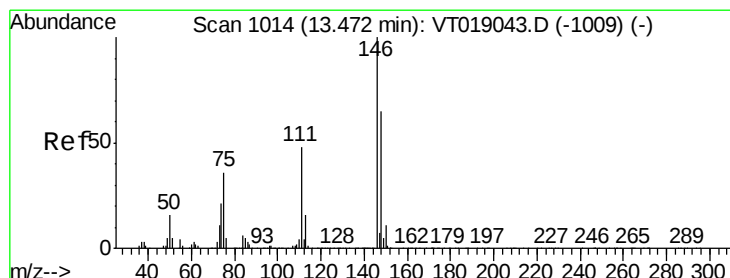
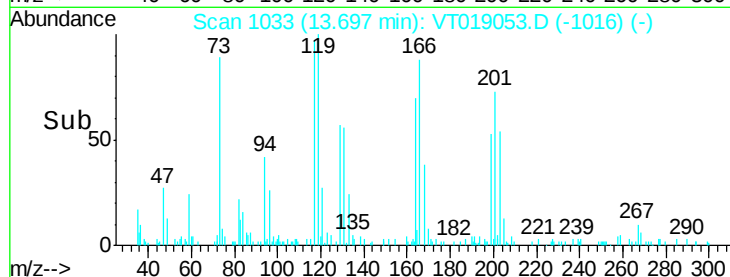
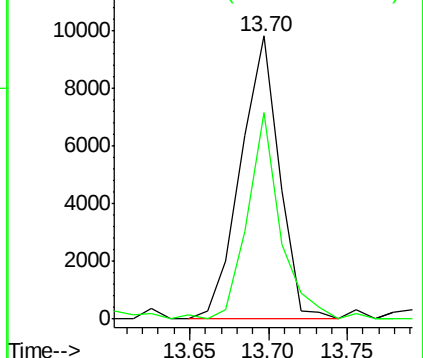
117 100

201 73.1 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V



#90

1,2-Dichlorobenzene

Concen: 2.43 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019053.D

Acq: 9 May 2018 12:50

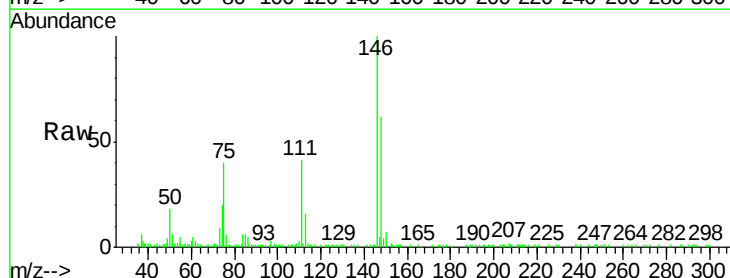
Tgt Ion:146 Resp: 47319

Ion Ratio Lower Upper

146 100

111 41.4 23.8 71.2

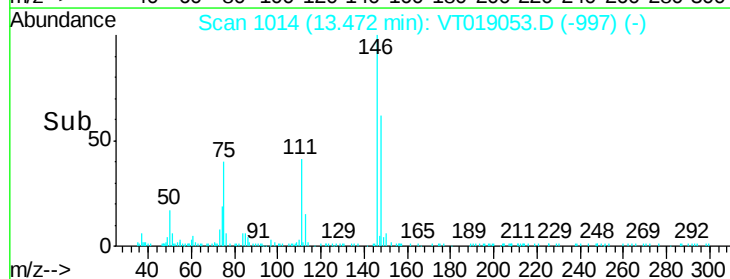
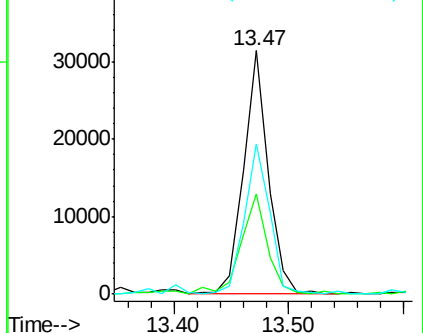
148 61.7 32.7 98.1

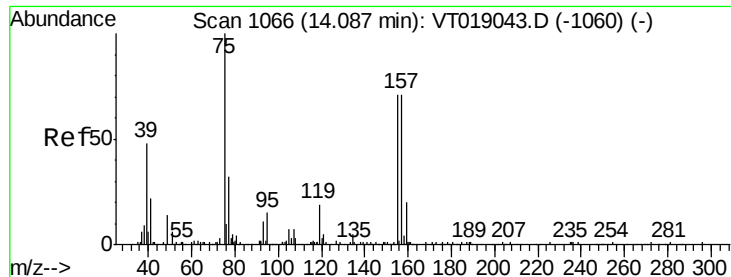


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

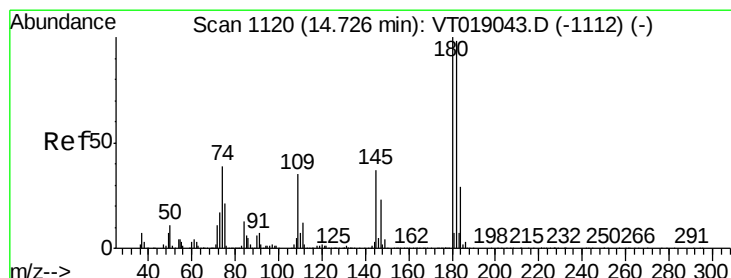
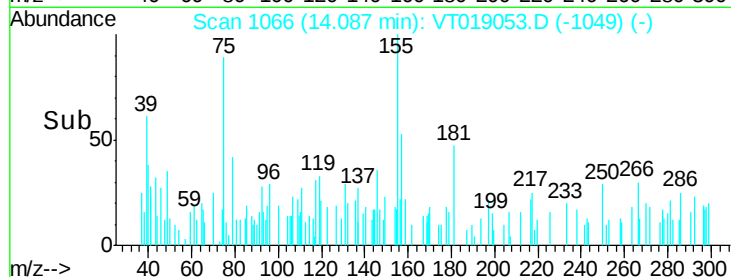
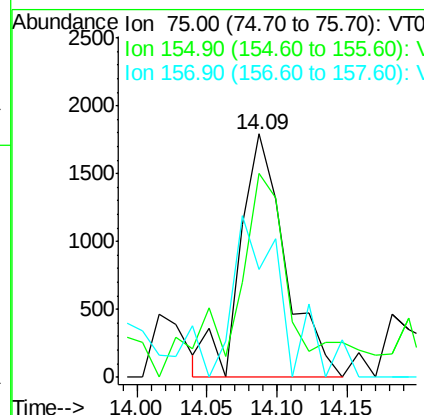
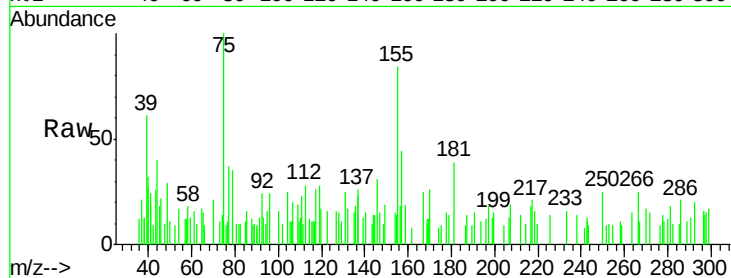




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 3.42 ug/l
 RT: 14.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

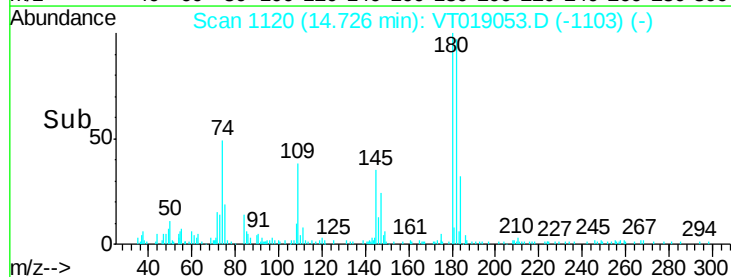
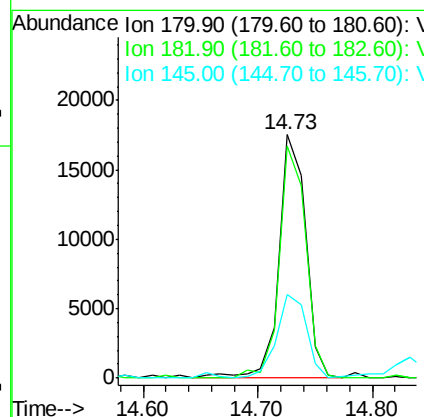
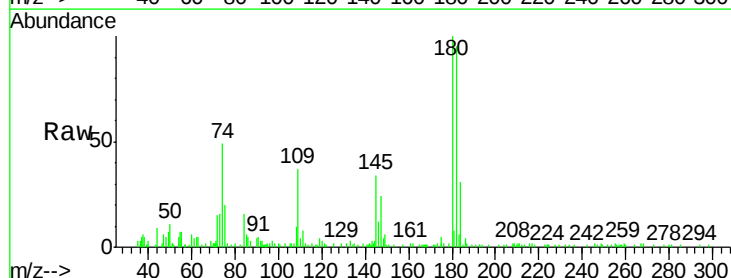
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

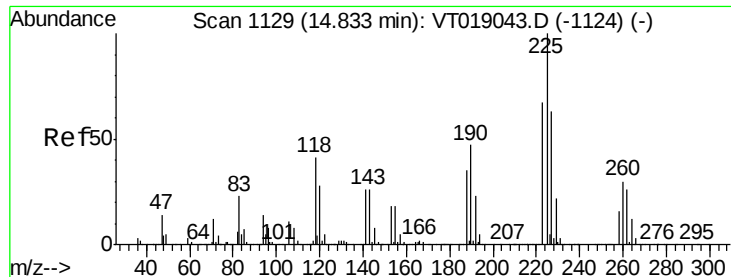
Tot Ion: 75 Resp: 4042
 Ion Ratio Lower Upper
 75 100
 155 83.8 35.6 106.8
 157 44.2 35.8 107.3



#92
 1,2,4-Trichlorobenzene
 Concen: 2.18 ug/l
 RT: 14.73 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Tgt Ion: 180 Resp: 28340
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.0 147.0
 145 34.3 18.3 54.9

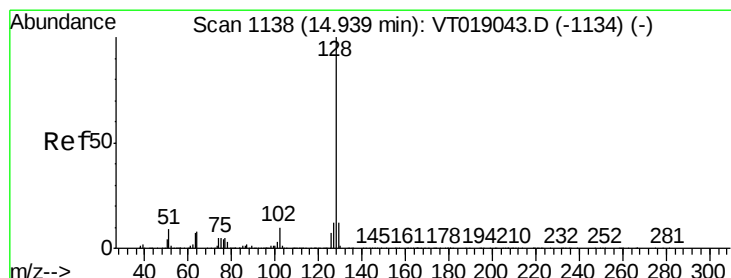
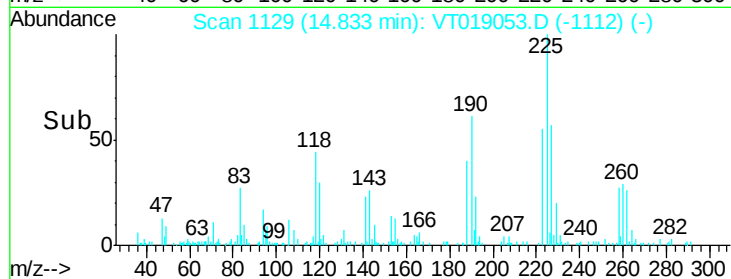
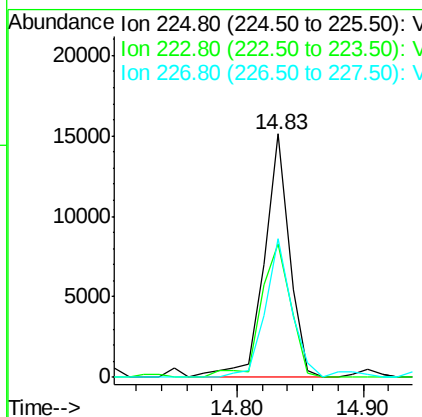
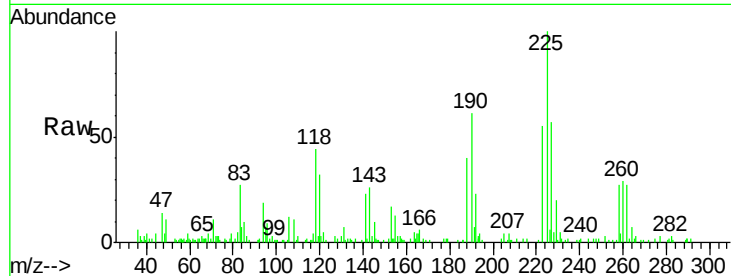




#93
Hexachlorobutadiene
Concen: 2.25 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

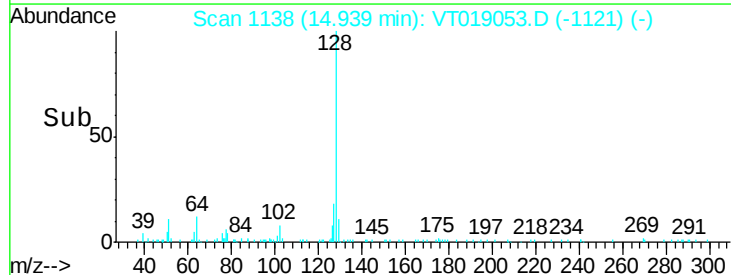
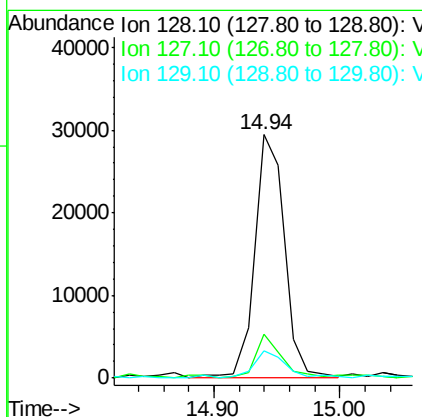
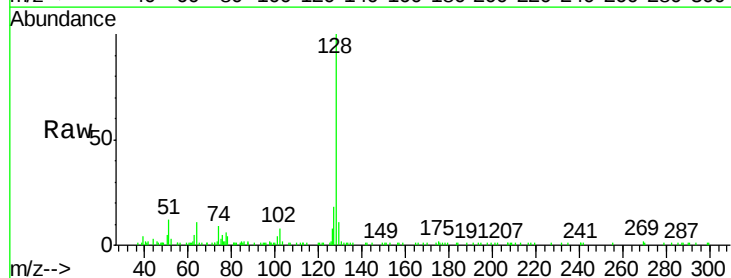
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

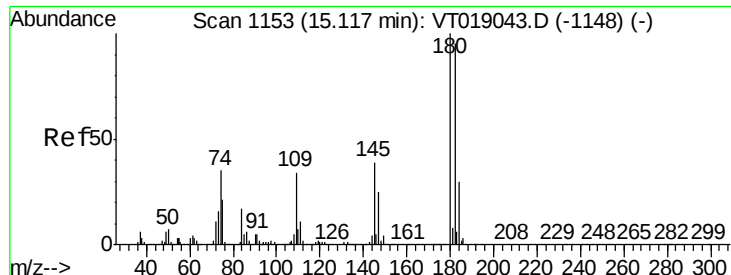
Tot Ion:225 Resp: 21374
Ion Ratio Lower Upper
225 100
223 54.8 33.5 100.4
227 57.0 31.7 95.1



#94
Naphthalene
Concen: 2.33 ug/l
RT: 14.94 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VT019053.D
Acq: 9 May 2018 12:50

Tgt Ion:128 Resp: 48850
Ion Ratio Lower Upper
128 100
127 18.0 9.9 14.9#
129 11.1 9.3 13.9

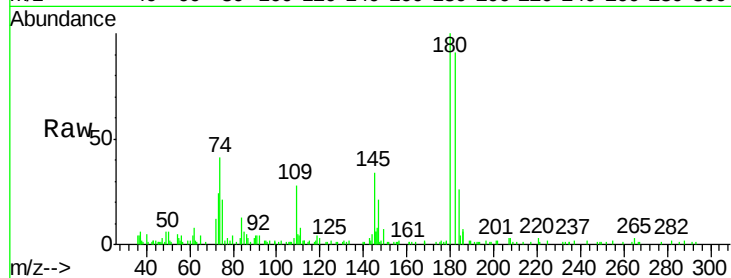




#95
 1,2,3-Trichlorobenzene
 Concen: 2.48 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019053.D
 Acq: 9 May 2018 12:50

Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.7	143.1
145	39.9	19.4	58.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 145.00 (144.70 to 145.70): V

