

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019071.D
 Acq On : 10 May 2018 12:43
 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 18:02:42 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	844915	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1493671	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1253589	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	555663	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	460084	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
34) Dibromofluoromethane	7.35	113	438293	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
49) Toluene-d8	9.90	98	1998262	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
61) 4-Bromofluorobenzene	12.22	95	656571	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	35310	3.27	ug/l	84
3) Chloromethane	1.95	50	14422	3.92	ug/l #	85
4) Vinyl Chloride	2.09	62	20508	3.44	ug/l #	88
5) Bromomethane	2.44	94	14641	3.01	ug/l #	64
6) Chloroethane	2.57	64	10526	2.88	ug/l	98
7) Trichlorofluoromethane	2.85	101	42542m	2.66	ug/l	
8) Diethyl Ether	3.22	74	7295	3.00	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.58	101	24913	3.21	ug/l #	79
10) Methyl Iodide	3.76	142	33616	2.99	ug/l #	90
11) Tert butyl alcohol	4.55	59	5365	13.23	ug/l #	1
12) 1,1-Dichloroethene	3.56	96	24430	3.55	ug/l	84
13) Acrolein	3.41	56	3361	16.97	ug/l	90
14) Allyl chloride	4.06	41	37168	2.50	ug/l #	85
15) Acrylonitrile	4.69	53	20499	13.12	ug/l #	78
16) Acetone	3.60	43	15501	18.21	ug/l	92
18) Methyl Acetate	4.06	43	11966	2.74	ug/l #	39
19) Methyl tert-butyl Ether	4.75	73	35378	2.05	ug/l	99
20) Methylene Chloride	4.27	84	30705m	3.35	ug/l	
21) trans-1,2-Dichloroethene	4.75	96	25444	2.50	ug/l	94
22) Diisopropyl ether	5.69	45	56239	2.04	ug/l #	86
23) Vinyl Acetate	5.60	43	117737	9.62	ug/l	96
24) 1,1-Dichloroethane	5.57	63	47592	2.47	ug/l #	94
25) 2-Butanone	6.57	43	23925	12.48	ug/l	94
26) 2,2-Dichloropropane	6.55	77	24355	3.13	ug/l	82
27) cis-1,2-Dichloroethene	6.55	96	22244	2.23	ug/l	86
28) Bromochloromethane	6.94	49	13699	2.14	ug/l #	87
29) Chloroform	7.13	83	46820	2.60	ug/l	93
30) Cyclohexane	7.44	56	72297	3.46	ug/l #	66
31) 1,1,1-Trichloroethane	7.33	97	31082	2.23	ug/l #	84
35) 1,1-Dichloropropene	7.57	75	42118	2.45	ug/l	94
36) Ethyl Acetate	6.68	43	8886	2.00	ug/l #	94
37) Carbon Tetrachloride	7.54	117	32016	2.28	ug/l	95
38) Methylcyclohexane	8.88	83	43603	2.12	ug/l #	85
39) Benzene	7.82	78	113590	2.53	ug/l #	1

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019071.D
 Acq On : 10 May 2018 12:43
 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 18:02:42 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)
40) Methacrylonitrile	6.98	41	15800	6.78	ug/l #	47
41) 1,2-Dichloroethane	7.91	62	25805	2.64	ug/l	90
42) Isopropyl Acetate	7.96	43	14188	1.86	ug/l #	83
43) Trichloroethene	8.63	130	22310	2.16	ug/l	88
44) 1,2-Dichloropropane	8.92	63	24290	2.30	ug/l	97
45) Dibromomethane	9.01	93	11053	2.67	ug/l	90
46) Bromodichloromethane	9.21	83	28387	2.36	ug/l #	77
47) Methyl methacrylate	9.01	41	10368	2.63	ug/l #	70
48) 1,4-Dioxane	9.00	88	2415	39.89	ug/l #	17
50) 4-Methyl-2-Pentanone	9.80	43	44114	10.53	ug/l	93
51) Toluene	9.97	92	65297	2.51	ug/l	95
52) t-1,3-Dichloropropene	10.19	75	20235	1.85	ug/l	89
53) cis-1,3-Dichloropropene	9.65	75	25440	1.82	ug/l #	85
54) 1,1,2-Trichloroethane	10.38	97	11849	1.88	ug/l	89
55) Ethyl methacrylate	10.25	69	13490	1.79	ug/l #	74
56) 1,3-Dichloropropane	10.53	76	24134	2.14	ug/l #	74
57) 2-Chloroethyl Vinyl ether	9.51	63	26657	7.67	ug/l #	86
58) 2-Hexanone	10.57	43	33921	11.17	ug/l	88
59) Dibromochloromethane	10.73	129	12663	1.94	ug/l	98
60) 1,2-Dibromoethane	10.82	107	9601	1.77	ug/l	98
63) Tetrachloroethene	10.45	164	20668	2.41	ug/l	93
64) Chlorobenzene	11.25	112	66754	2.57	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	17347	2.06	ug/l	91
66) Ethyl Benzene	11.33	91	120108	2.41	ug/l	97
67) m/p-Xylenes	11.45	106	86232	4.66	ug/l	98
68) o-Xylene	11.77	106	34102	1.96	ug/l	84
69) Styrene	11.79	104	54948	2.04	ug/l	95
70) Bromoform	11.95	173	5448	1.70	ug/l #	60
72) Isopropylbenzene	12.08	105	102648	2.29	ug/l	95
73) N-amyl acetate	11.90	43	18860	2.55	ug/l #	85
74) 1,1,2,2-Tetrachloroethane	12.32	83	16204	2.45	ug/l	98
75) 1,2,3-Trichloropropane	12.37	75	17689	3.74	ug/l	100
76) Bromobenzene	12.35	156	22833	2.57	ug/l	82
77) n-propylbenzene	12.42	91	157305	3.36	ug/l	97
78) 2-Chlorotoluene	12.49	91	80596	2.45	ug/l	92
79) 1,3,5-Trimethylbenzene	12.56	105	91365	2.35	ug/l	96
80) trans-1,4-Dichloro-2-buten	12.12	75	3598m	2.02	ug/l	
81) 4-Chlorotoluene	12.60	91	105461	2.64	ug/l	99
82) tert-Butylbenzene	12.82	119	91655	2.70	ug/l	98
83) 1,2,4-Trimethylbenzene	12.86	105	93743	2.37	ug/l	96
84) sec-Butylbenzene	13.00	105	121317	2.54	ug/l	95
85) p-Isopropyltoluene	13.12	119	93669	2.33	ug/l	95
86) 1,3-Dichlorobenzene	13.11	146	48018	2.56	ug/l	92
87) 1,4-Dichlorobenzene	13.19	146	52464	2.88	ug/l	92
88) n-Butylbenzene	13.44	91	109053	2.53	ug/l	90
89) Hexachloroethane	13.70	117	15687	2.25	ug/l	99
90) 1,2-Dichlorobenzene	13.47	146	37976	2.42	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	2540	2.67	ug/l	91
92) 1,2,4-Trichlorobenzene	14.73	180	27600	2.64	ug/l	77
93) Hexachlorobutadiene	14.83	225	16263	2.13	ug/l	89

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
Data File : VT019071.D
Acq On : 10 May 2018 12:43
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 18:02:42 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

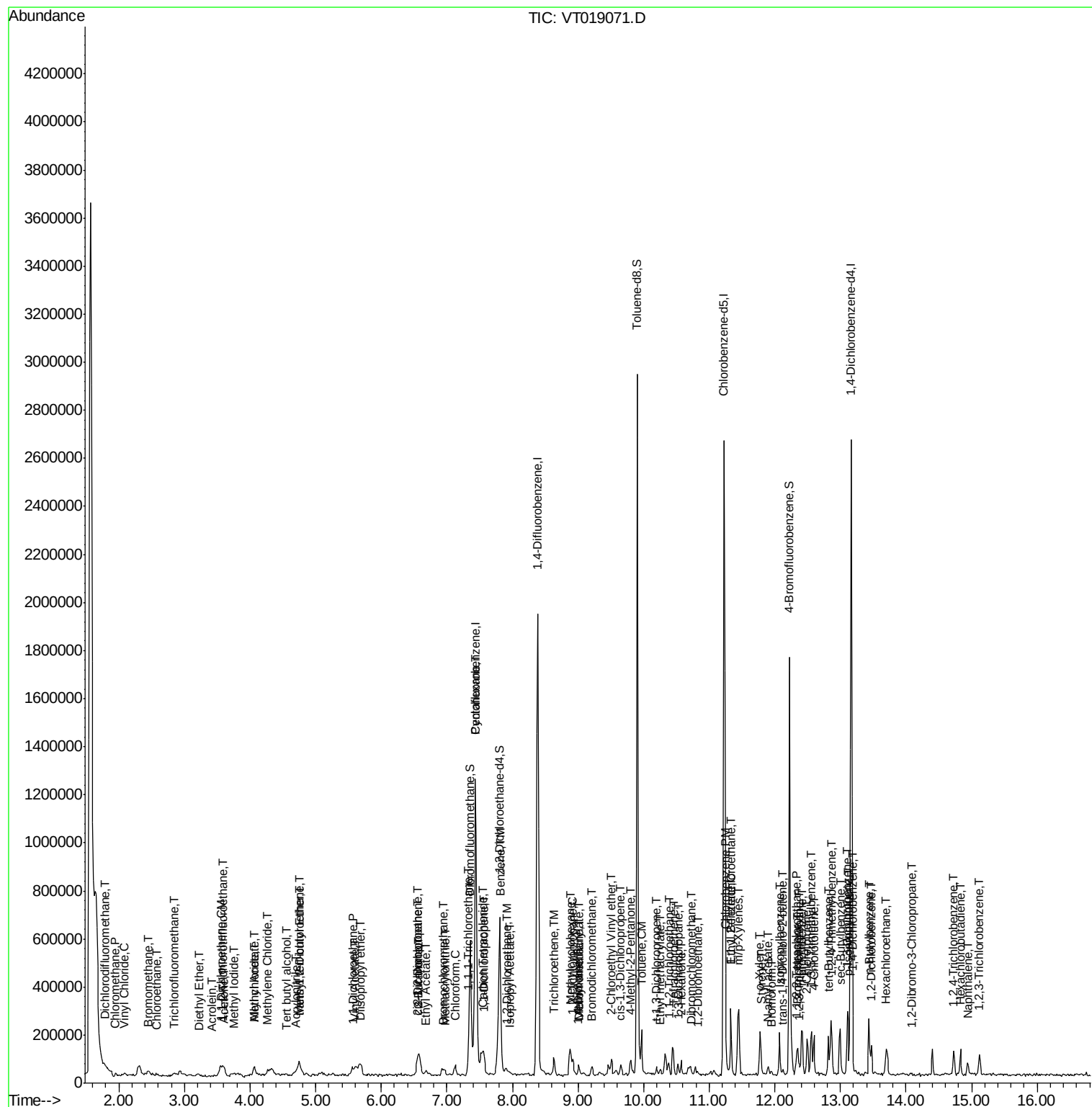
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.94	128	36854	2.18	ug/l #	93
95) 1,2,3-Trichlorobenzene	15.12	180	23042	2.67	ug/l	85

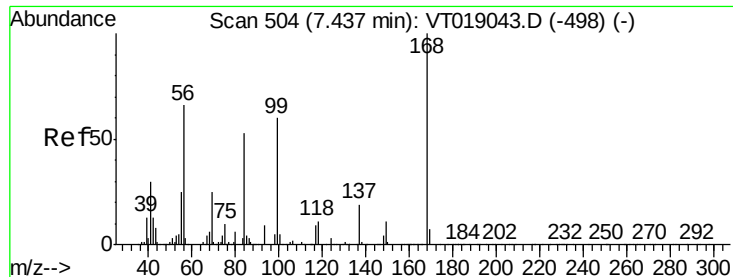
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
Data File : VT019071.D
Acq On : 10 May 2018 12:43
Operator : SY/MD
Sample : J2133-01LOD/MDL
Misc : 5.00q/5mL/MSVOA T/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 10 18:02:42 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

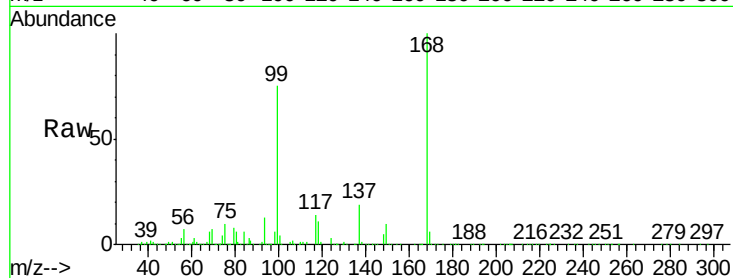
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:168 Resp: 844915

Ion Ratio Lower Upper

168 100

99 75.2 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

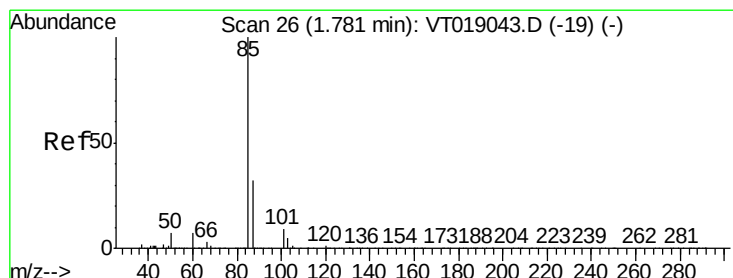
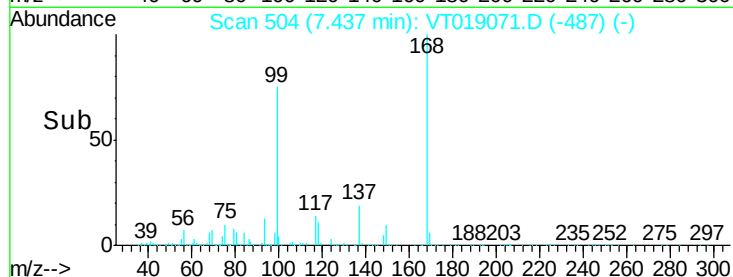
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.27 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019071.D

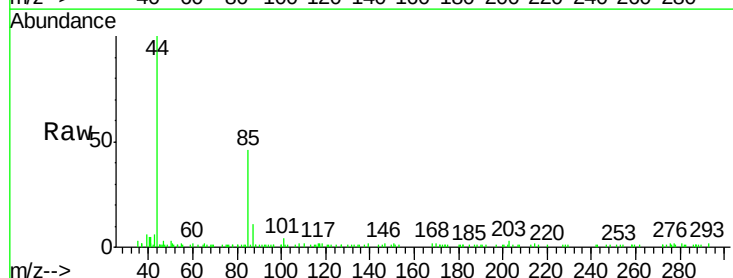
Acq: 10 May 2018 12:43

Tgt Ion: 85 Resp: 35310

Ion Ratio Lower Upper

85 100

87 23.6 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

12000

10000

8000

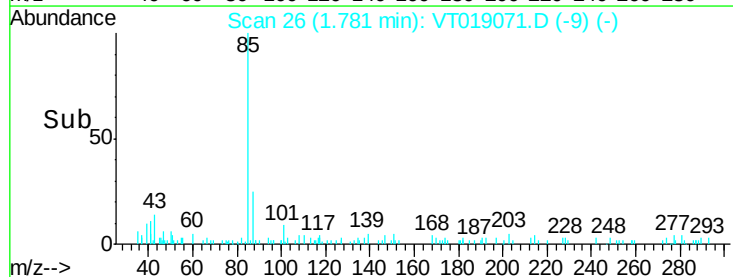
6000

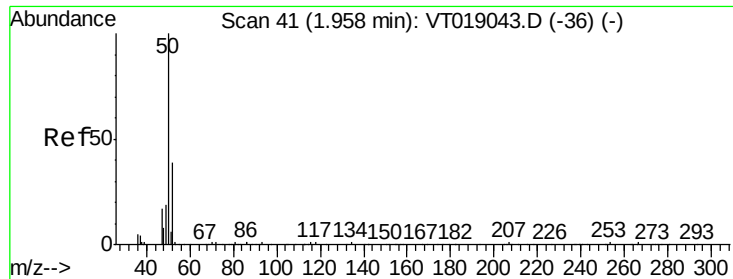
4000

2000

0

Time-->

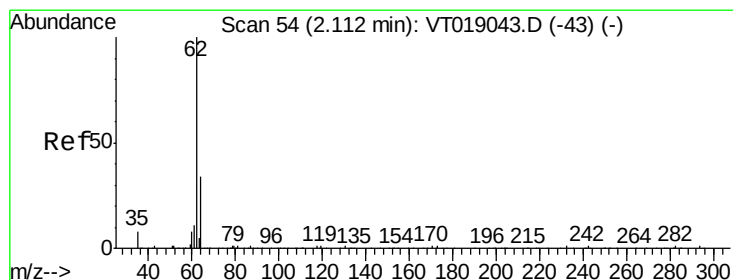
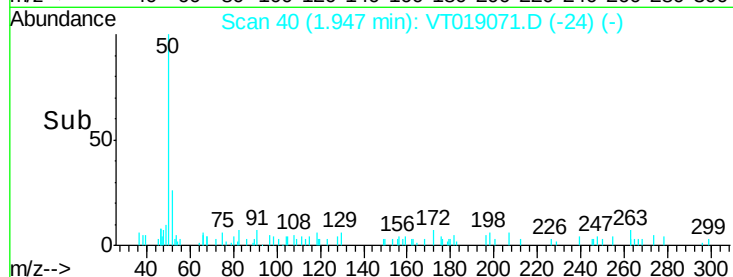
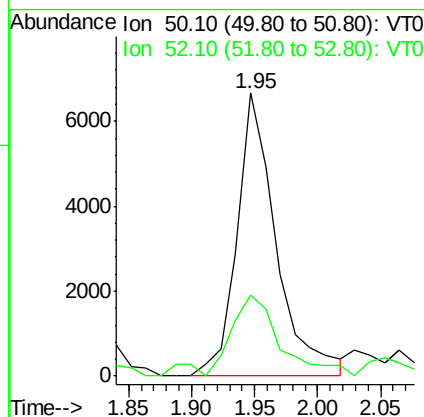
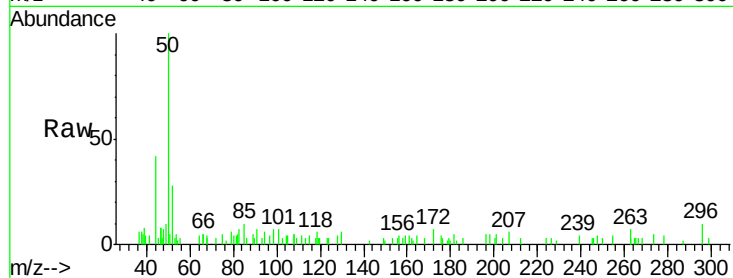




#3
 Chloromethane
 Concen: 3.92 ug/l
 RT: 1.95 min Scan# 40
 Delta R.T. -0.01 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

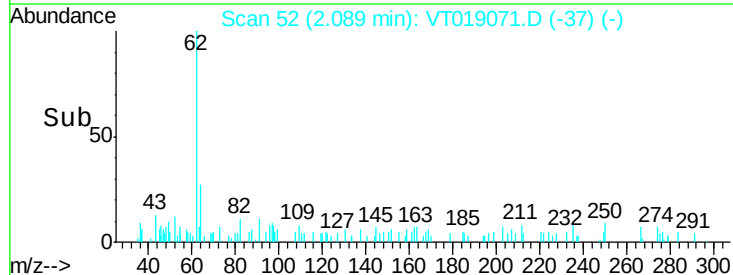
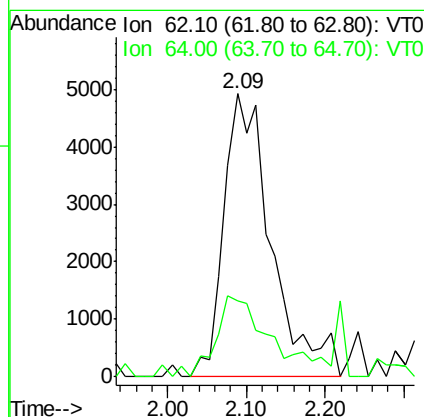
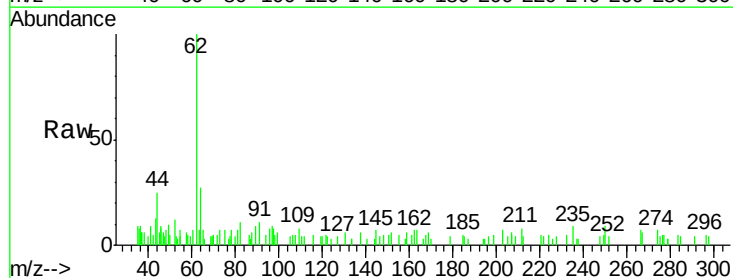
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

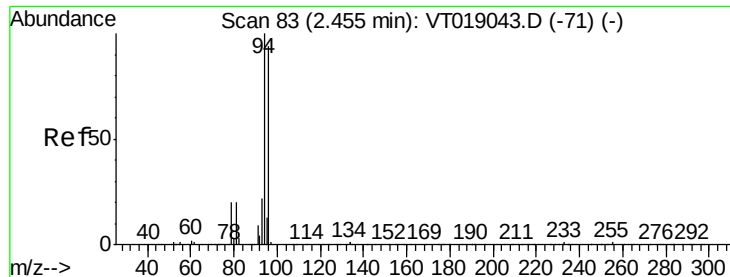
Tot Ion: 50 Resp: 14422
 Ion Ratio Lower Upper
 50 100
 52 28.5 30.1 45.1#



#4
 Vinyl Chloride
 Concen: 3.44 ug/l
 RT: 2.09 min Scan# 52
 Delta R.T. -0.02 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion: 62 Resp: 20508
 Ion Ratio Lower Upper
 62 100
 64 26.9 27.0 40.4#





#5

Bromomethane

Concen: 3.01 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

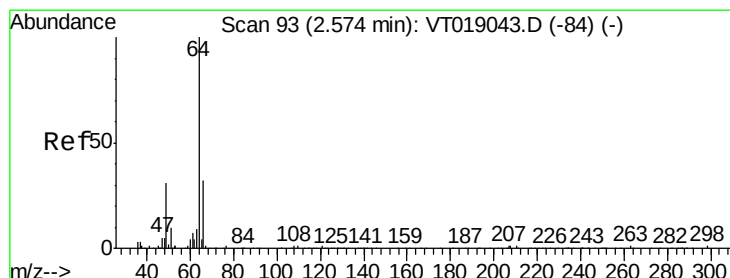
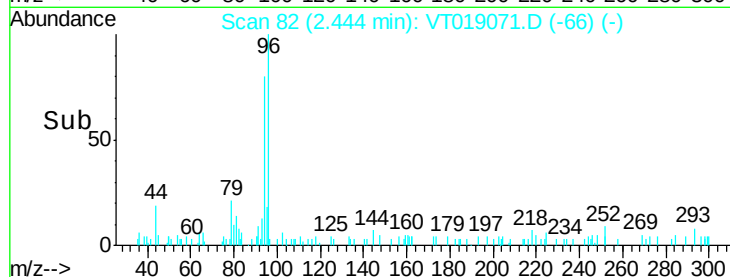
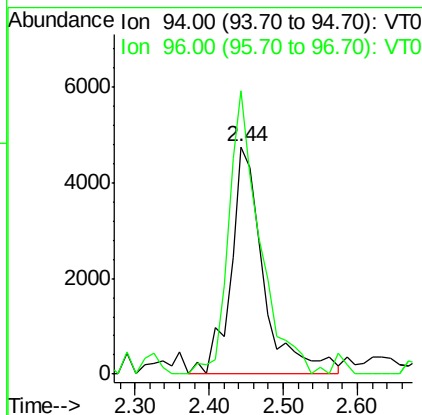
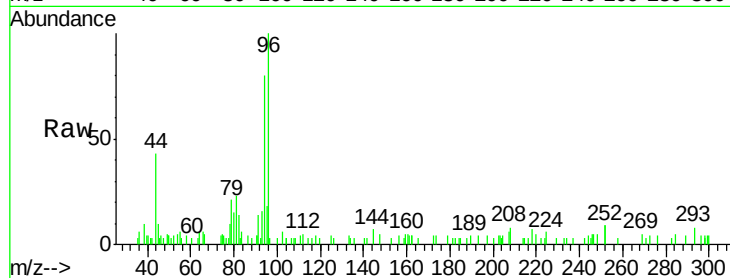
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 94 Resp: 14641

Ion Ratio Lower Upper

94 100

96 128.6 75.3 112.9#



#6

Chloroethane

Concen: 2.88 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019071.D

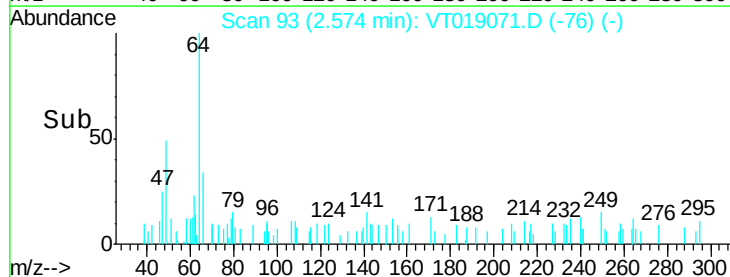
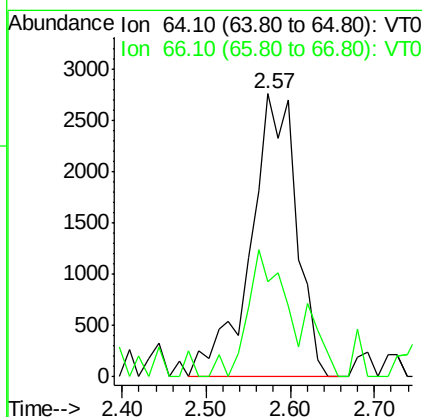
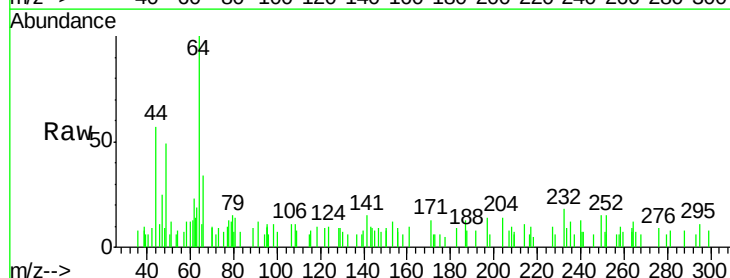
Acq: 10 May 2018 12:43

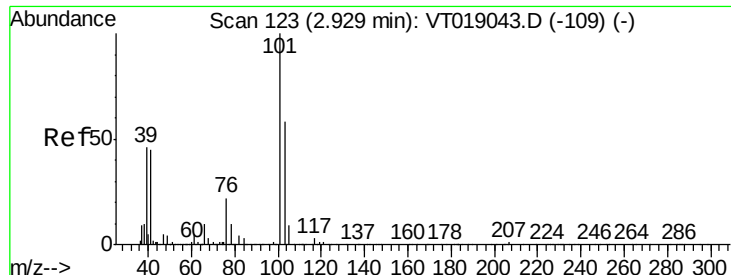
Tgt Ion: 64 Resp: 10526

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.8



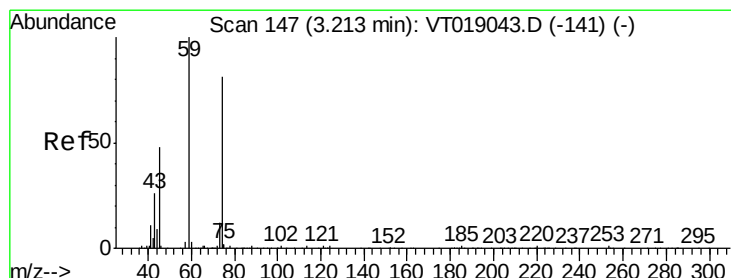
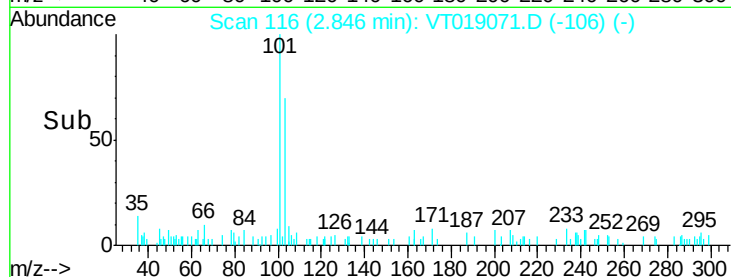
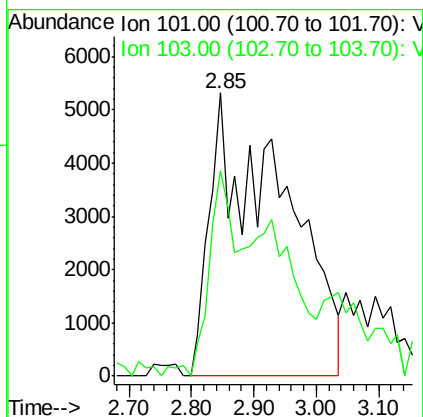
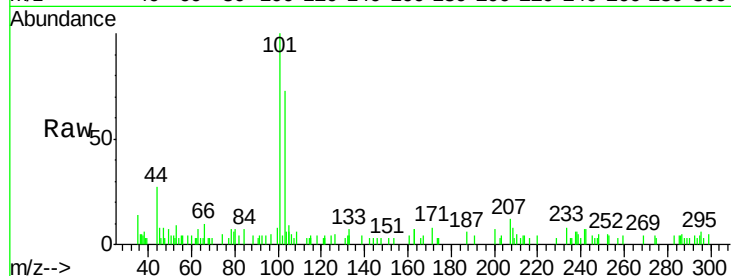


#7

Trichlorofluoromethane
 Concen: 2.66 ug/l m
 RT: 2.85 min Scan# 116
 Delta R.T. -0.08 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

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

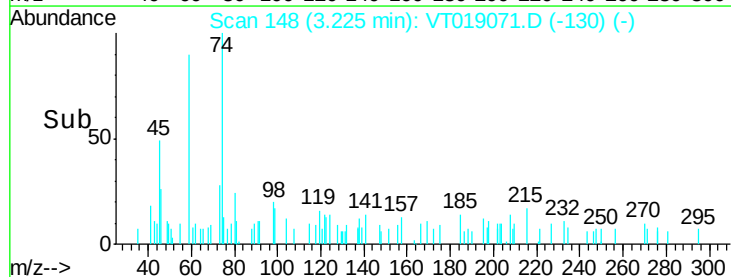
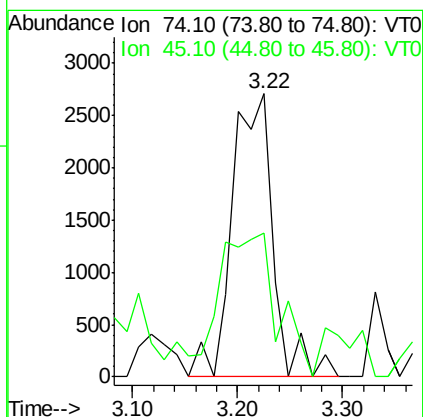
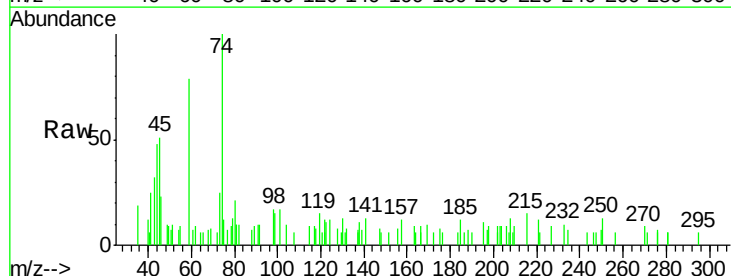
Tot Ion:101 Resp: 42542
 Ion Ratio Lower Upper
 101 100
 103 72.6 46.5 69.7#

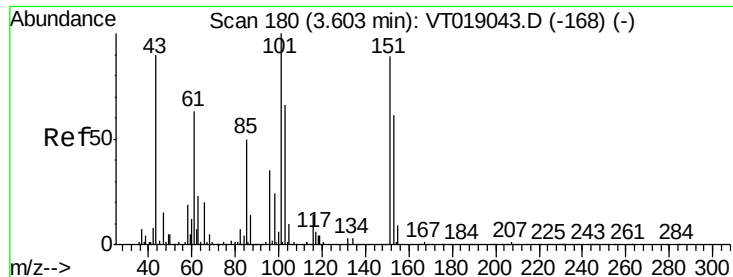


#8

Diethyl Ether
 Concen: 3.00 ug/l
 RT: 3.22 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion: 74 Resp: 7295
 Ion Ratio Lower Upper
 74 100
 45 51.0 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.21 ug/l

RT: 3.58 min Scan# 178

Delta R.T. -0.02 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

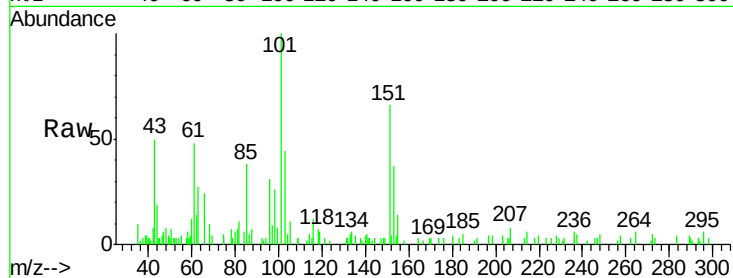
Tot Ion:101 Resp: 24913

Ion Ratio Lower Upper

101 100

85 37.7 39.5 59.3#

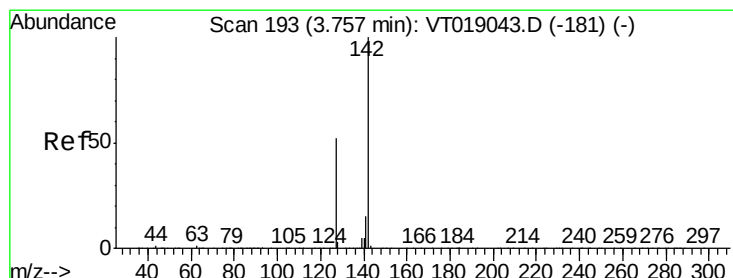
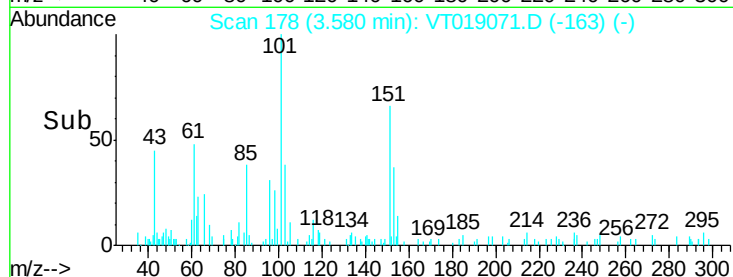
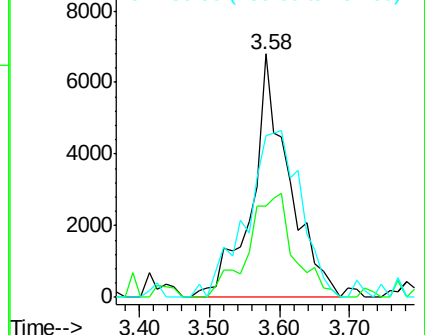
151 66.4 69.9 104.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VT0

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 2.99 ug/l

RT: 3.76 min Scan# 193

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

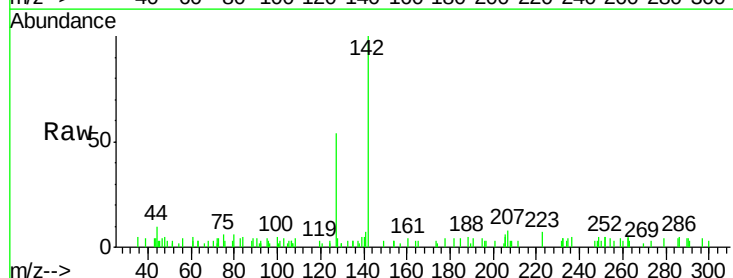
Tgt Ion:142 Resp: 33616

Ion Ratio Lower Upper

142 100

127 57.4 41.8 62.8

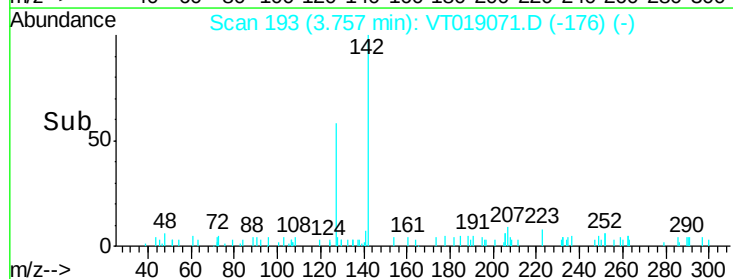
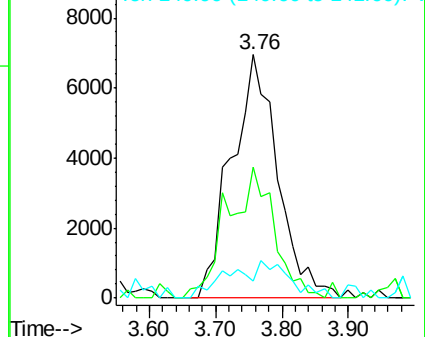
141 6.7 12.0 18.0#

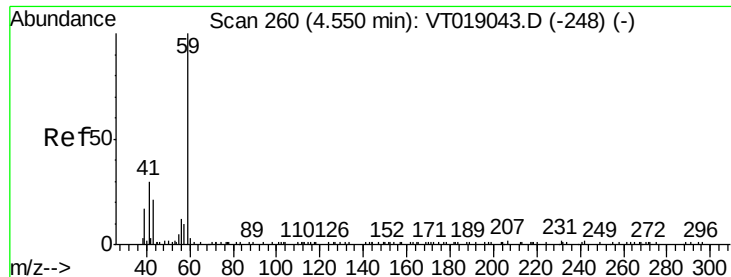


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



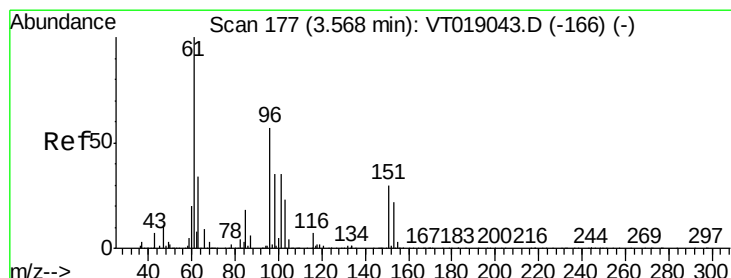
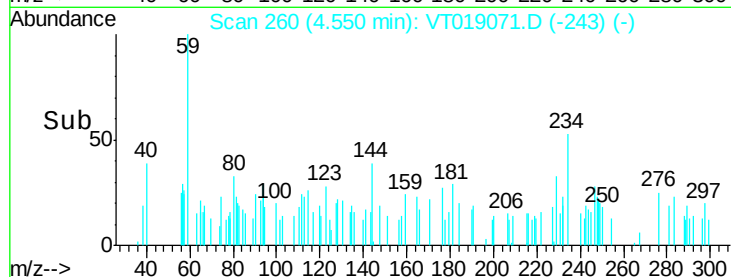
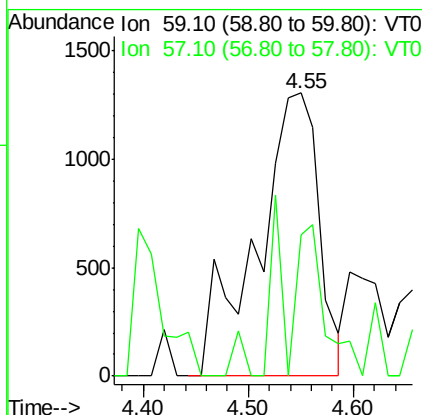
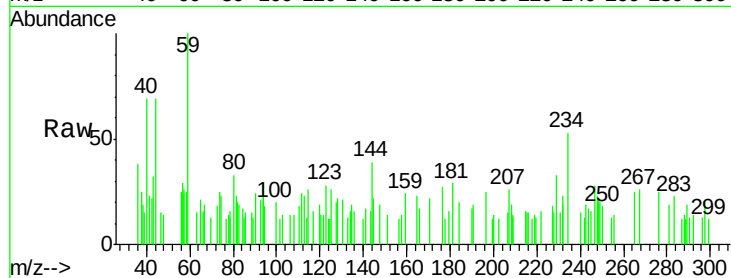


#11

Tert butyl alcohol
Concen: 13.23 ug/l
RT: 4.55 min Scan# 260
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

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

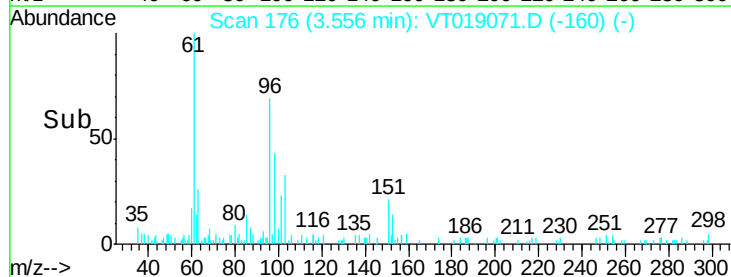
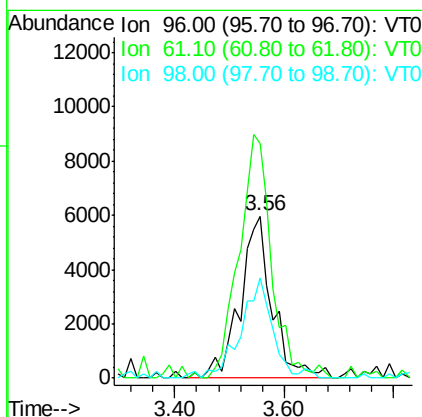
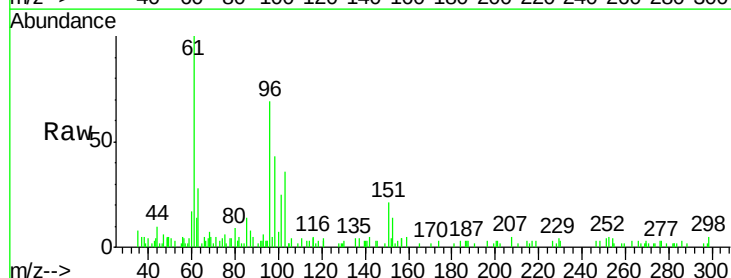
Tot Ion: 59 Resp: 5365
Ion Ratio Lower Upper
59 100
57 50.0 7.7 11.5#

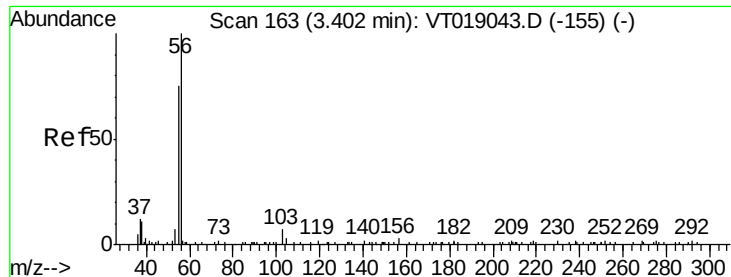


#12

1,1-Dichloroethene
Concen: 3.55 ug/l
RT: 3.56 min Scan# 176
Delta R.T. -0.01 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 96 Resp: 24430
Ion Ratio Lower Upper
96 100
61 145.1 139.4 209.2
98 62.3 49.4 74.2





#13

Acrolein

Concen: 16.97 ug/l

RT: 3.41 min Scan# 164

Delta R.T. 0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

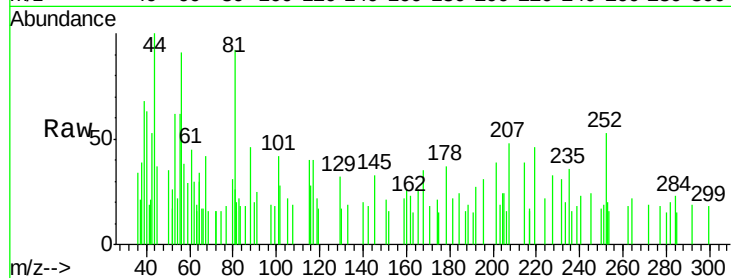
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 56 Resp: 3361

Ion Ratio Lower Upper

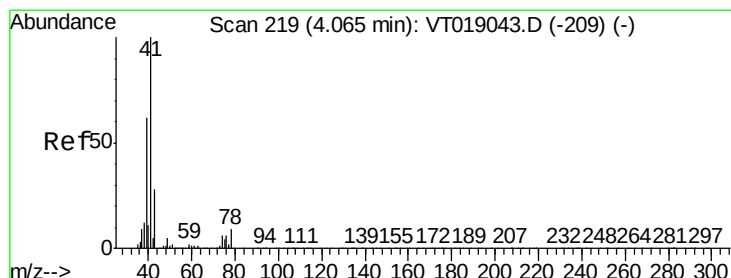
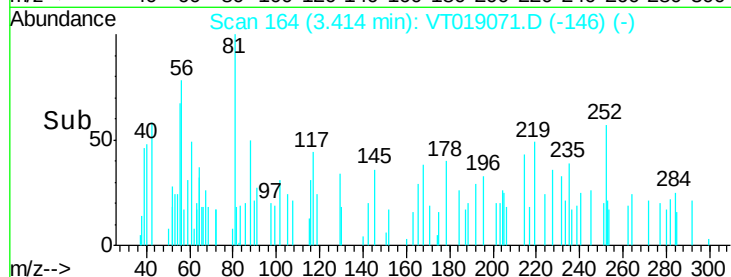
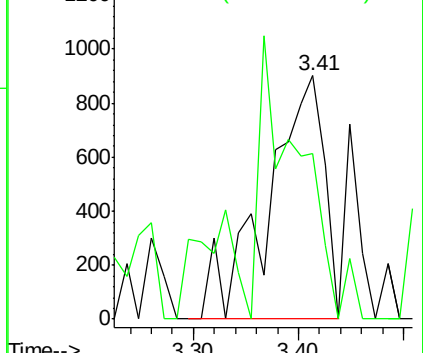
56 100

55 67.8 60.8 91.2



Abundance Ion 56.10 (55.80 to 56.80): VT0

Ion 55.10 (54.80 to 55.80): VT0



#14

Allyl chloride

Concen: 2.50 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

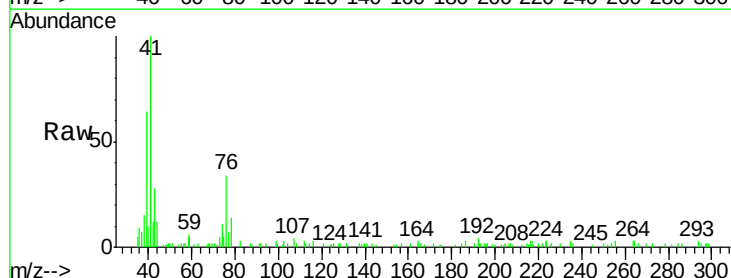
Tgt Ion: 41 Resp: 37168

Ion Ratio Lower Upper

41 100

39 64.2 49.5 74.3

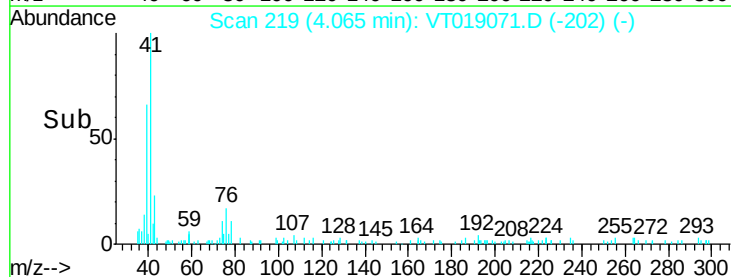
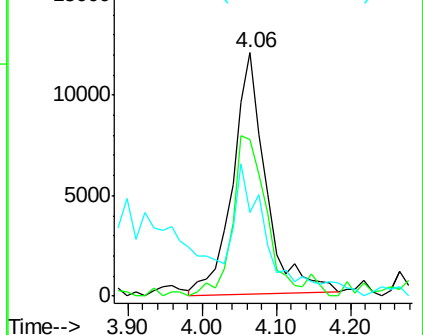
76 34.4 44.0 66.0#

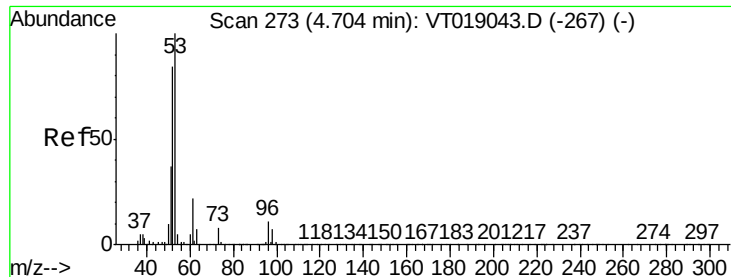


Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 76.10 (75.80 to 76.80): VT0





#15

Acrylonitrile

Concen: 13.12 ug/l

RT: 4.69 min Scan# 272

Delta R.T. -0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

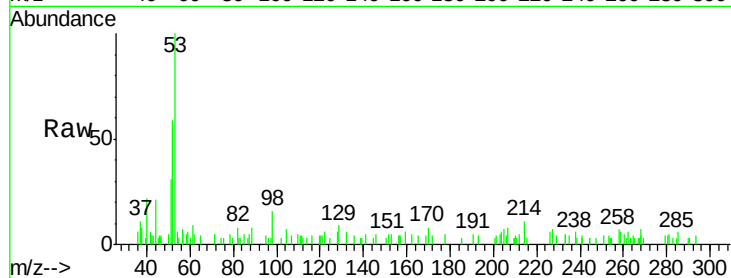
Tot Ion: 53 Resp: 20499

Ion Ratio Lower Upper

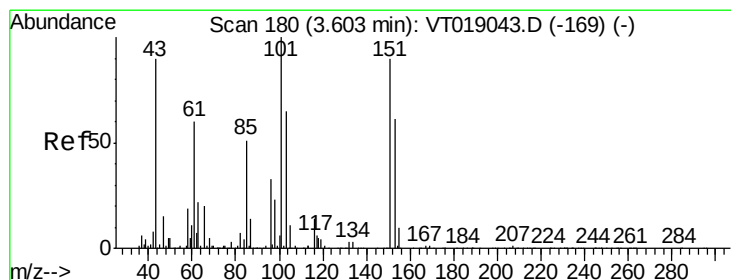
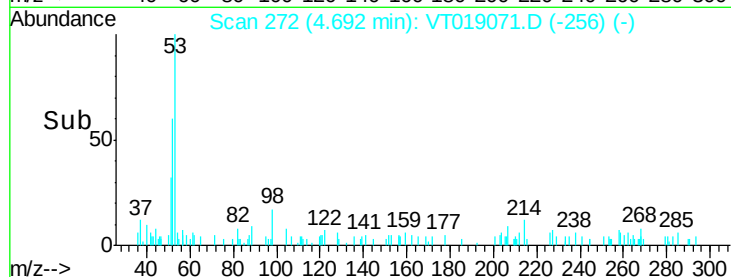
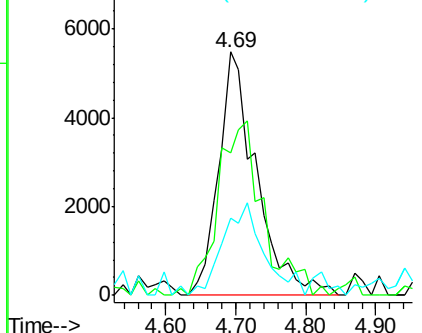
53 100

52 58.6 67.4 101.0#

51 31.5 29.6 44.4



Abundance Ion 53.10 (52.80 to 53.80): VT0
Ion 52.10 (51.80 to 52.80): VT0
Ion 51.10 (50.80 to 51.80): VT0



#16

Acetone

Concen: 18.21 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019071.D

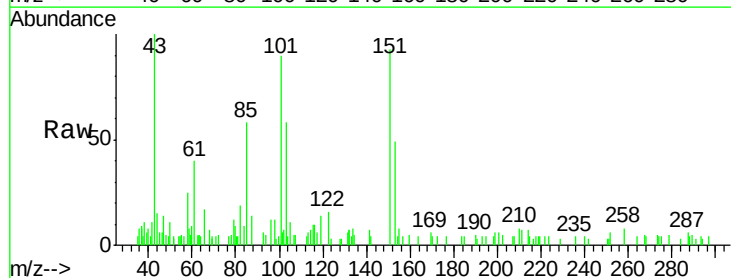
Acq: 10 May 2018 12:43

Tgt Ion: 43 Resp: 15501

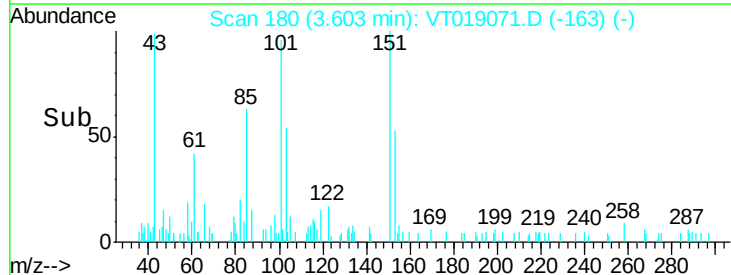
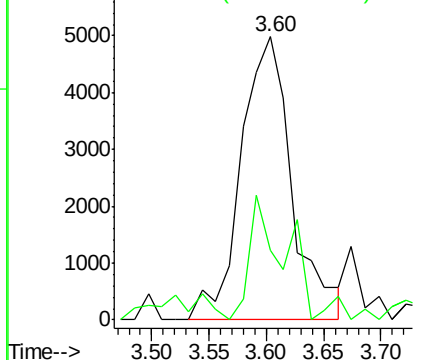
Ion Ratio Lower Upper

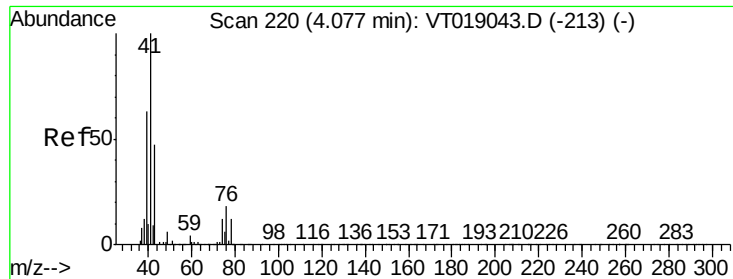
43 100

58 24.8 16.7 25.1



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

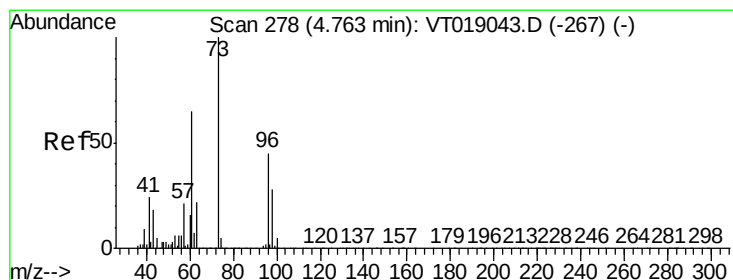
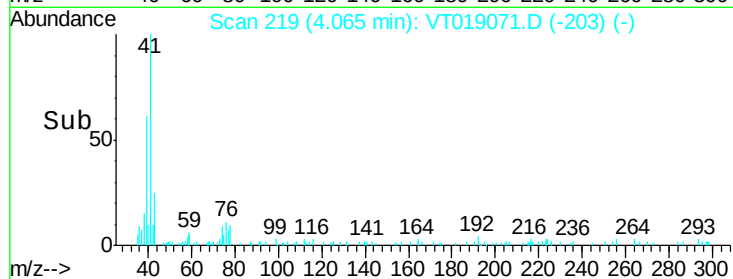
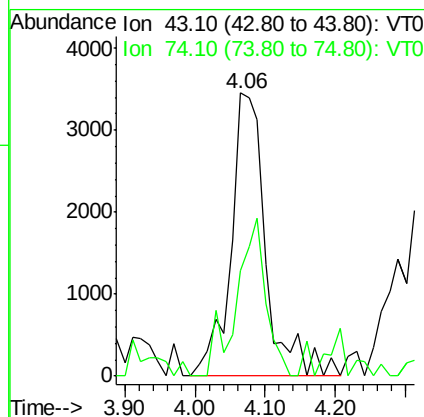
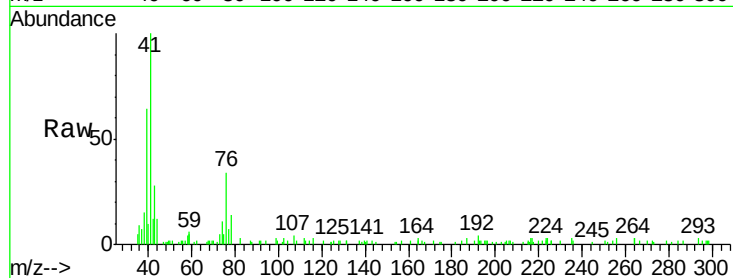




#18
Methvl Acetate
Concen: 2.74 ug/l
RT: 4.06 min Scan# 219
Delta R.T. -0.01 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

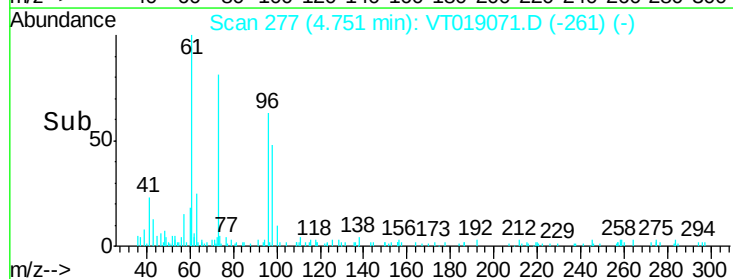
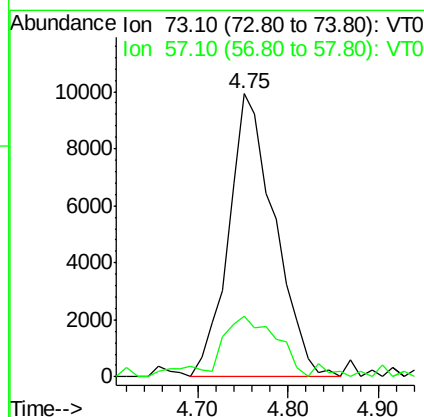
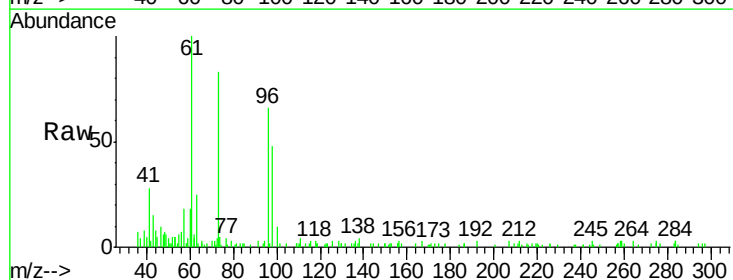
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

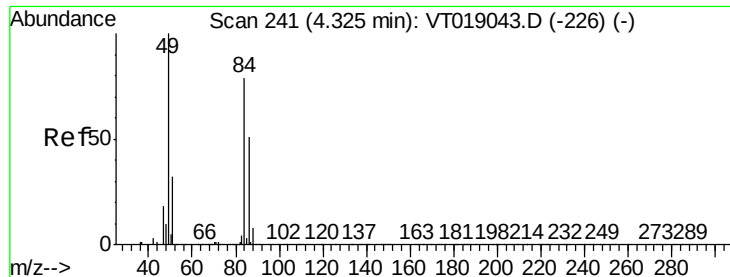
Tot Ion: 43 Resp: 11966
Ion Ratio Lower Upper
43 100
74 55.5 19.8 29.8#



#19
Methyl tert-butyl Ether
Concen: 2.05 ug/l
RT: 4.75 min Scan# 277
Delta R.T. -0.01 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 73 Resp: 35378
Ion Ratio Lower Upper
73 100
57 21.5 16.6 25.0





#20

Methylene Chloride

Concen: 3.35 ug/l m

RT: 4.27 min Scan# 236

Delta R.T. -0.06 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

Tot Ion: 84 Resp: 30705

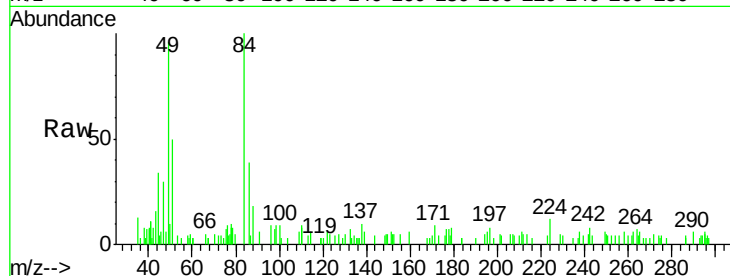
Ion Ratio Lower Upper

84 100

49 95.6 103.0 154.4#

51 49.9 33.3 49.9#

86 39.3 51.7 77.5#

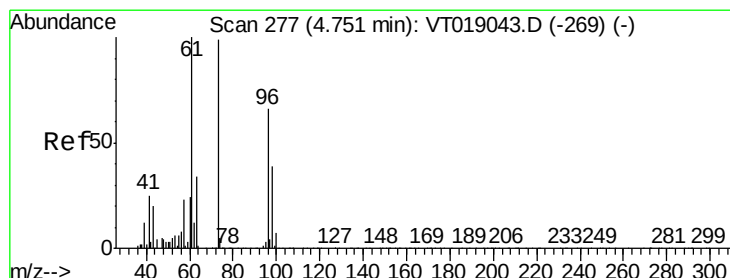
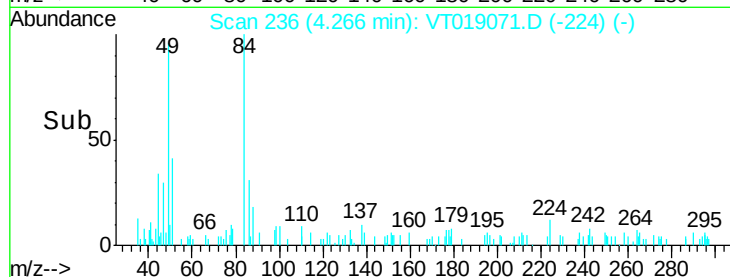
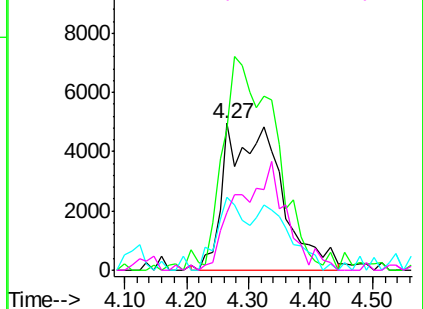


Abundance Ion 84.00 (83.70 to 84.70): VT0

Ion 49.10 (48.80 to 49.80): VT0

Ion 51.10 (50.80 to 51.80): VT0

Ion 86.00 (85.70 to 86.70): VT0



#21

trans-1,2-Dichloroethene

Concen: 2.50 ug/l

RT: 4.75 min Scan# 277

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

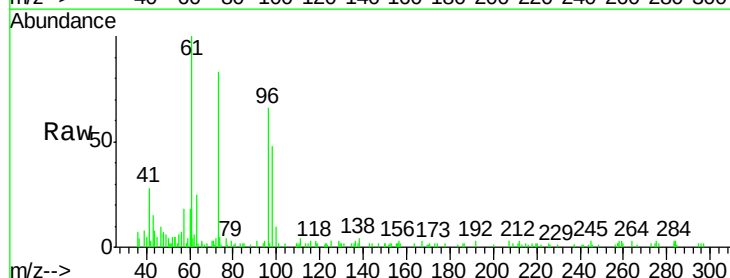
Tgt Ion: 96 Resp: 25444

Ion Ratio Lower Upper

96 100

61 154.6 120.8 181.2

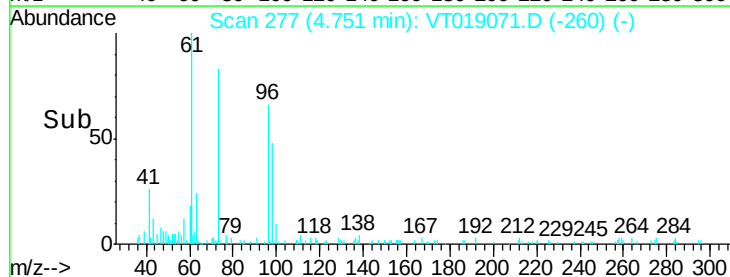
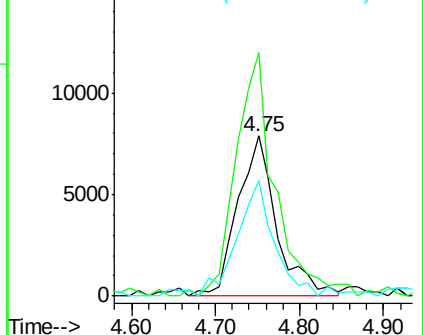
98 70.5 47.4 71.2

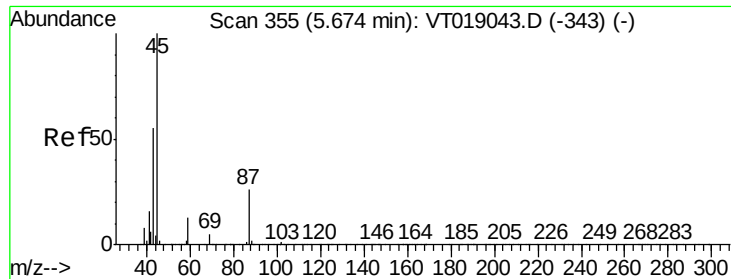


Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.00 (60.70 to 61.70): VT0

Ion 98.00 (97.70 to 98.70): VT0





#22

Diisopropyl ether

Concen: 2.04 ug/l

RT: 5.69 min Scan# 356

Delta R.T. 0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

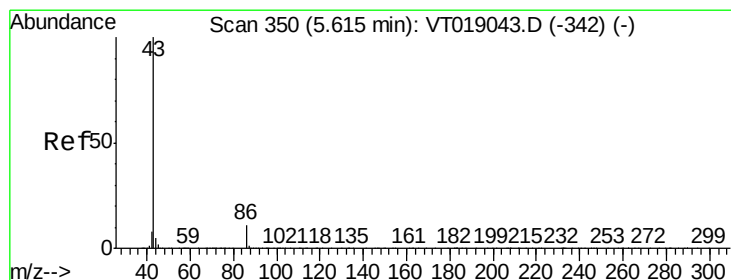
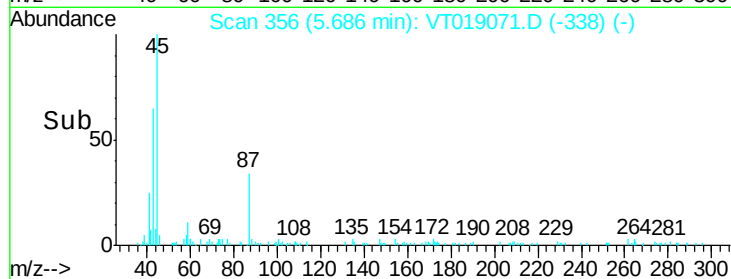
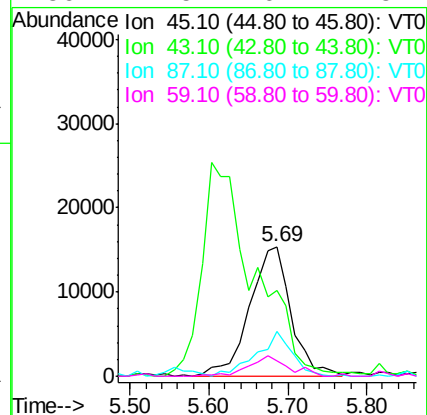
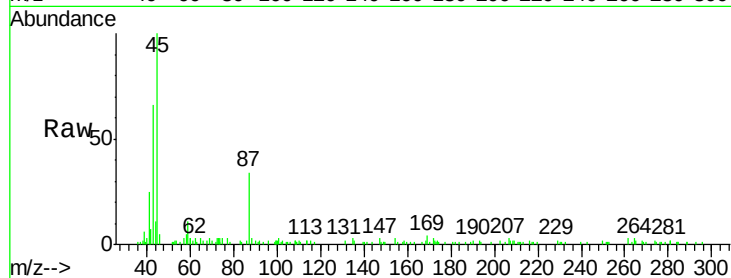
Instrument :

MSVOA_T

ClientSampleId :

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

Tot Ion:	45	Resp:	56239
Ion	Ratio	Lower	Upper
45	100		
43	66.0	43.8	65.6#
87	34.2	20.8	31.2#
59	11.5	10.2	15.4



#23

Vinyl Acetate

Concen: 9.62 ug/l

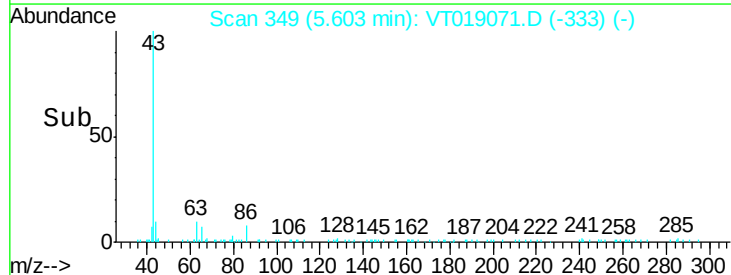
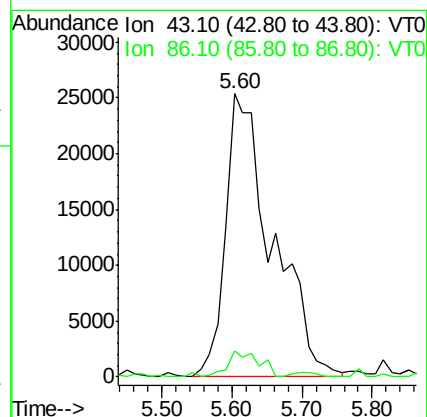
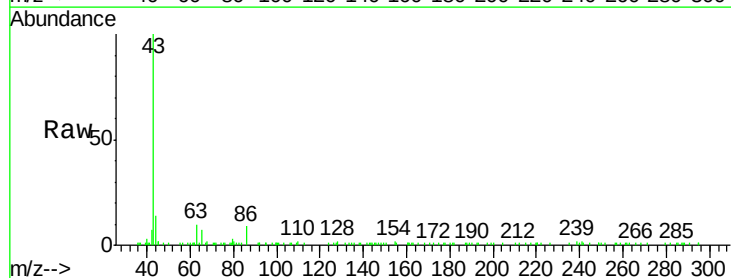
RT: 5.60 min Scan# 349

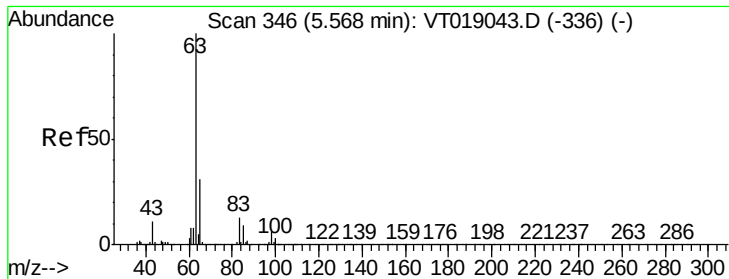
Delta R.T. -0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Tgt Ion:	43	Resp:	117737
Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.6	13.0





#24

1,1-Dichloroethane

Concen: 2.47 ug/l

RT: 5.57 min Scan# 346

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

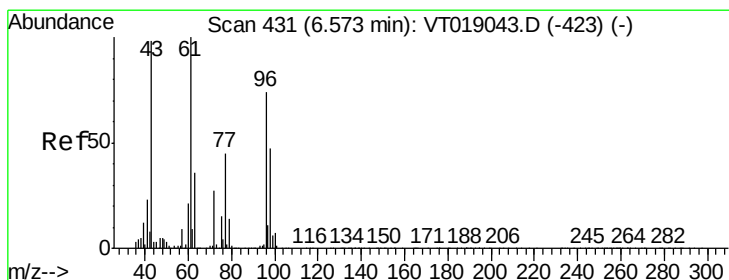
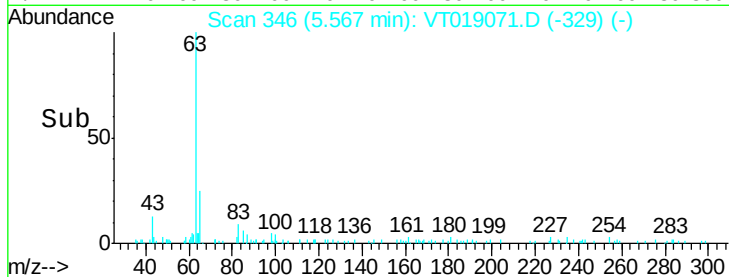
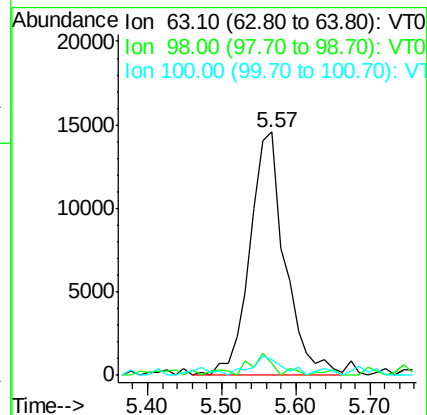
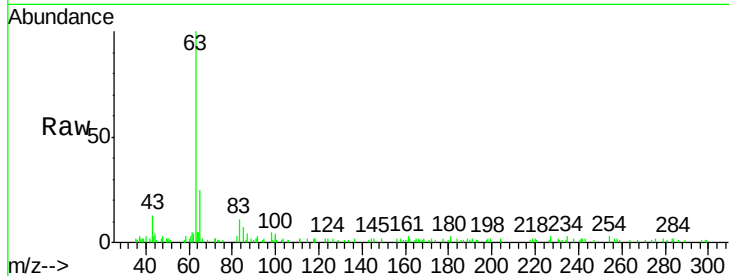
Instrument :

MSVOA_T

ClientSampleId :

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

Tot Ion:	63	Resp:	47592
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.8	8.4
100	7.3	1.7	5.1#



#25

2-Butanone

Concen: 12.48 ug/l

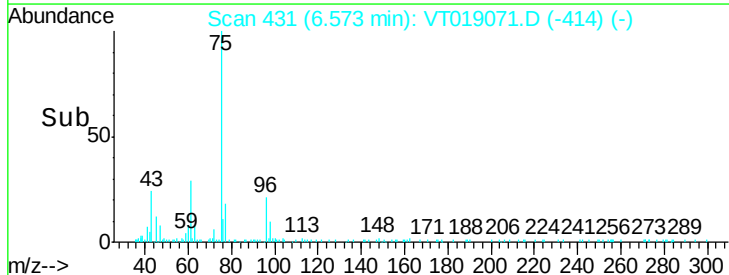
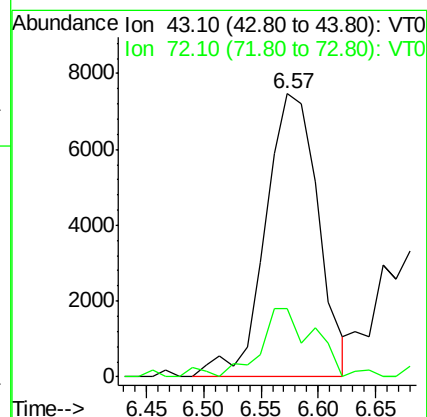
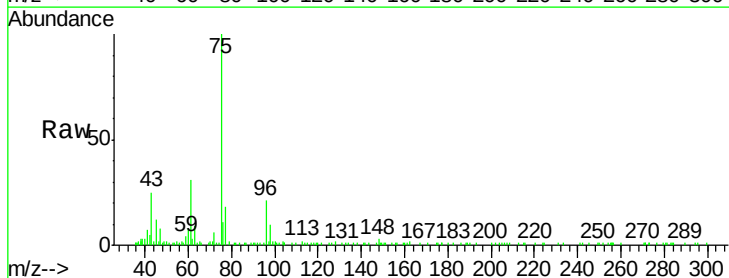
RT: 6.57 min Scan# 431

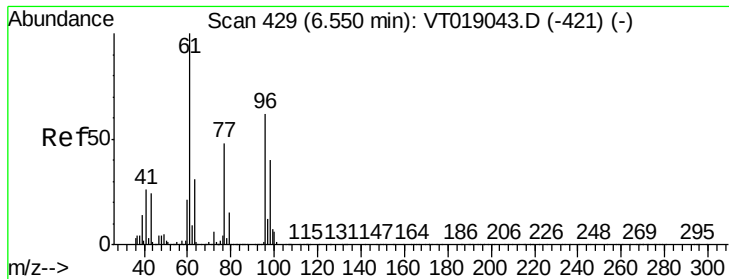
Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Tgt Ion:	43	Resp:	23925
Ion	Ratio	Lower	Upper
43	100		
72	24.2	22.1	33.1

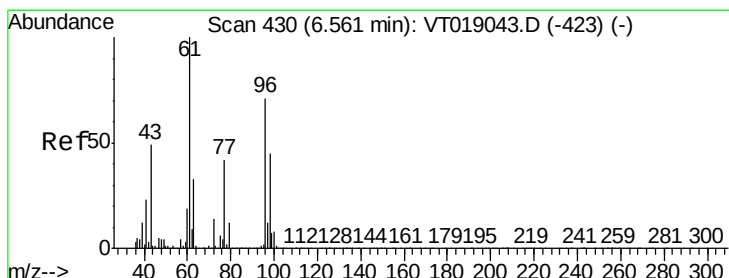
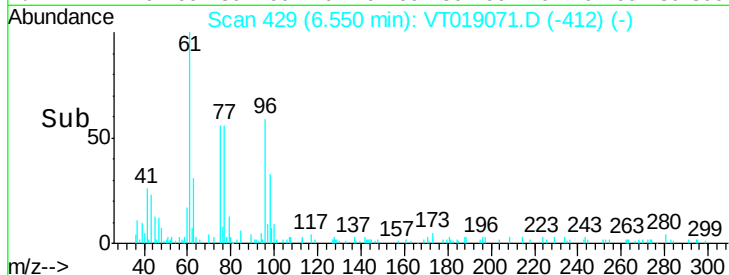
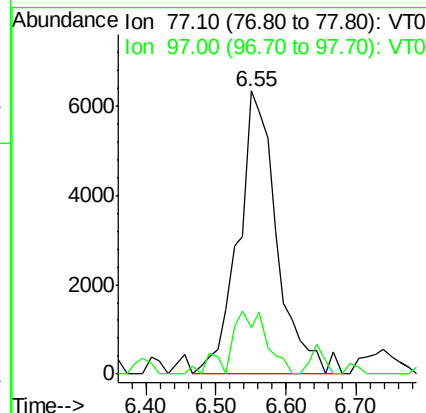
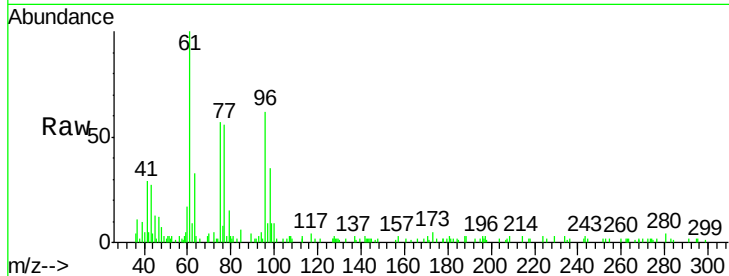




#26
 2,2-Dichloropropane
 Concen: 3.13 ug/l
 RT: 6.55 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

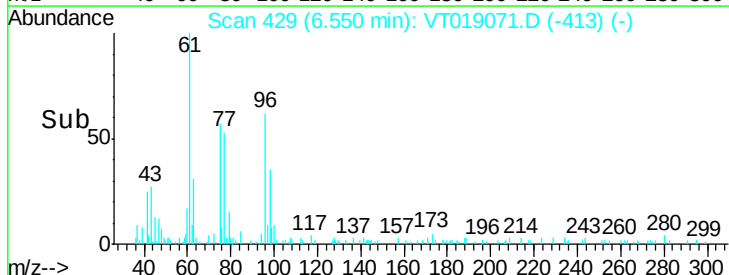
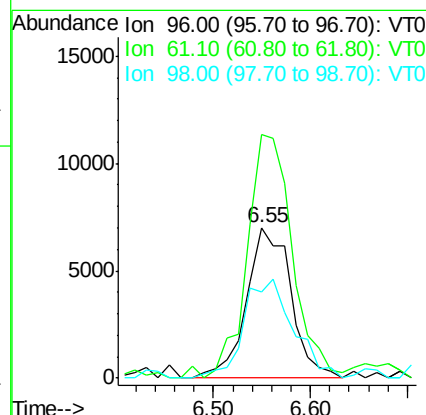
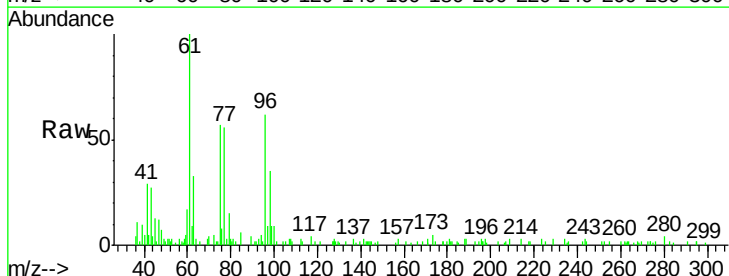
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

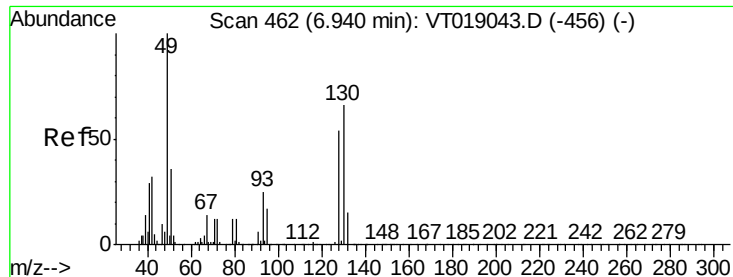
Tot Ion: 77 Resp: 24355
 Ion Ratio Lower Upper
 77 100
 97 15.5 12.2 36.4



#27
 cis-1,2-Dichloroethene
 Concen: 2.23 ug/l
 RT: 6.55 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion: 96 Resp: 22244
 Ion Ratio Lower Upper
 96 100
 61 162.0 0.0 282.0
 98 57.4 0.0 125.8





#28

Bromochloromethane

Concen: 2.14 ug/l

RT: 6.94 min Scan# 462

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

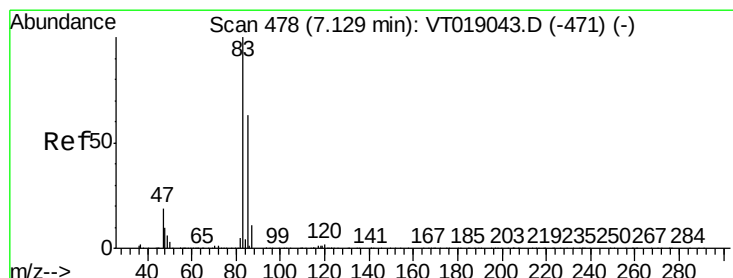
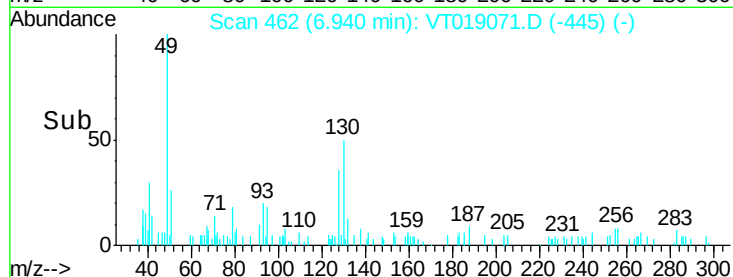
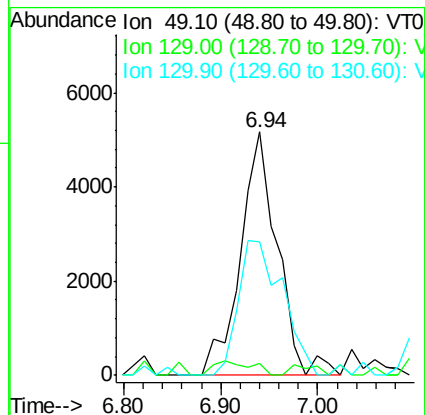
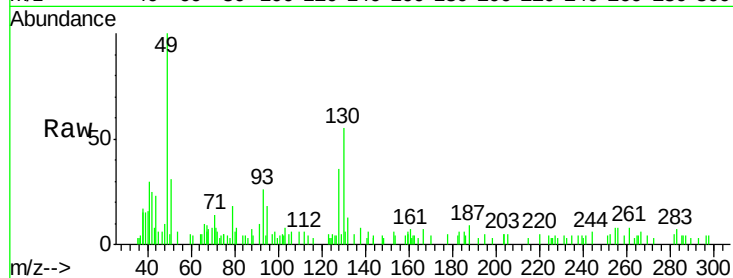
Tot Ion: 49 Resp: 13699

Ion Ratio Lower Upper

49 100

129 4.8 0.0 3.8#

130 54.9 52.4 78.6



#29

Chloroform

Concen: 2.60 ug/l

RT: 7.13 min Scan# 478

Delta R.T. -0.00 min

Lab File: VT019071.D

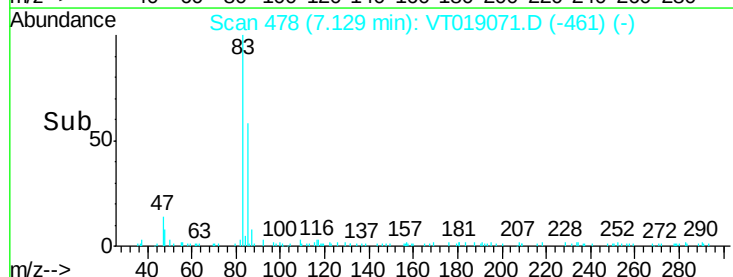
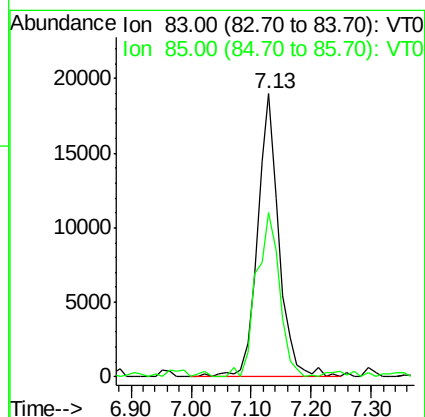
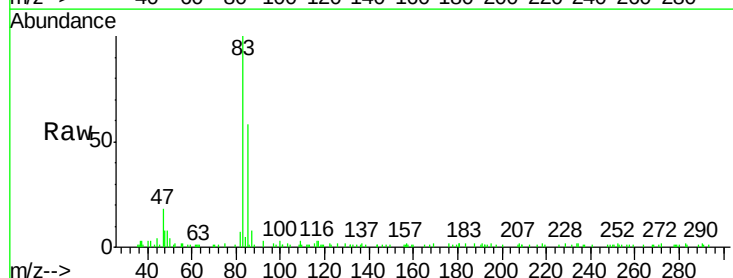
Acq: 10 May 2018 12:43

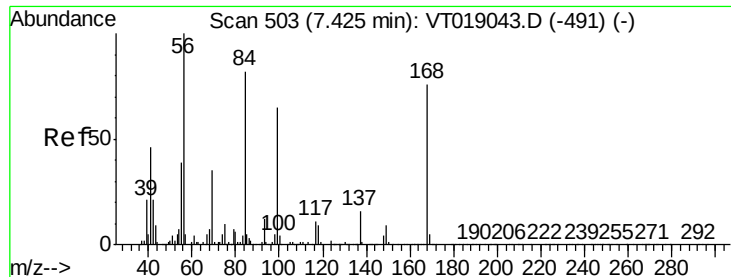
Tgt Ion: 83 Resp: 46820

Ion Ratio Lower Upper

83 100

85 57.9 50.6 76.0

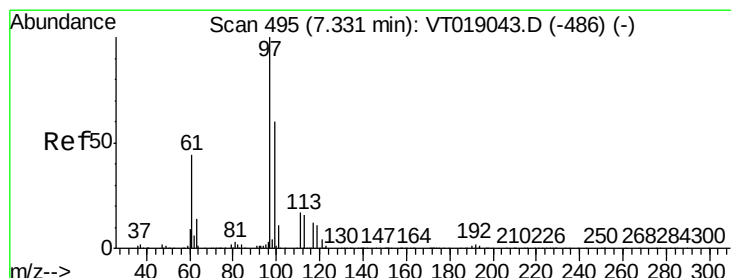
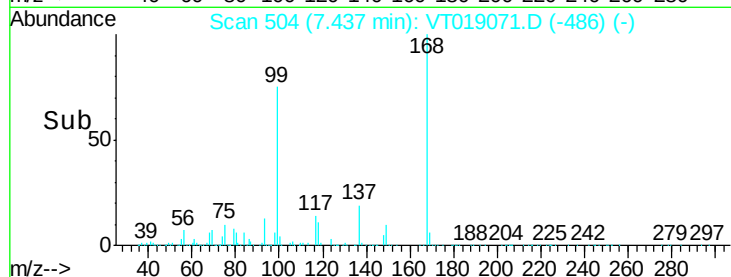
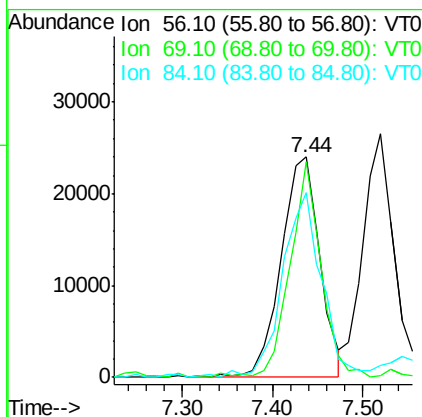
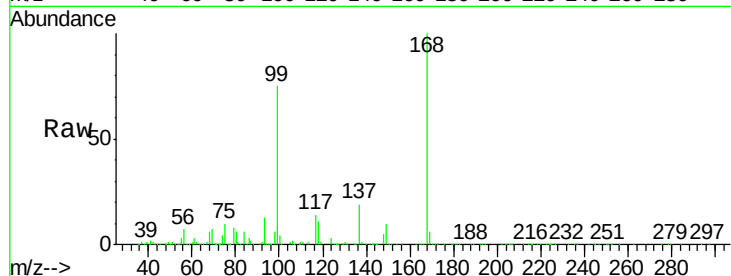




#30
Cyclohexane
Concen: 3.46 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

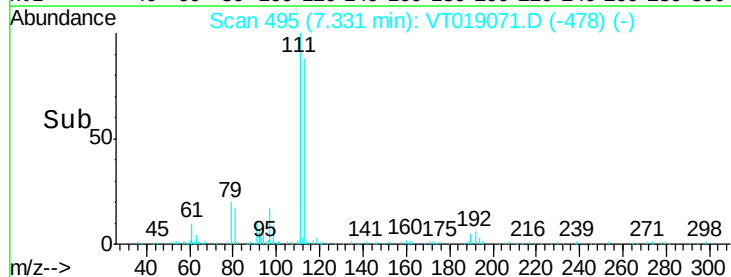
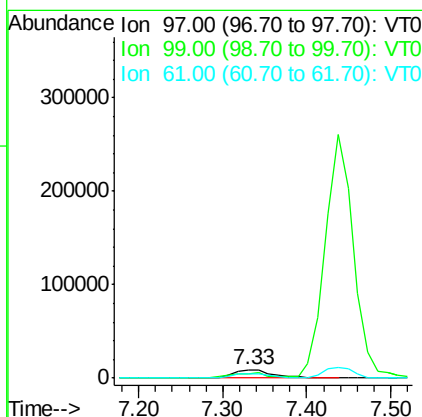
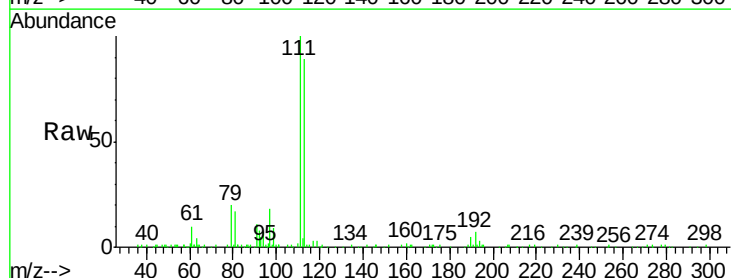
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

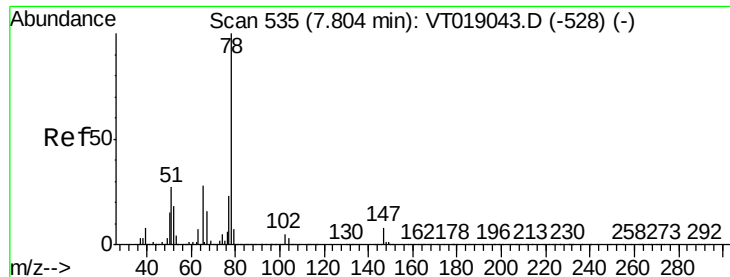
Tot Ion: 56 Resp: 72297
Ion Ratio Lower Upper
56 100
69 98.1 28.2 42.2#
84 83.7 65.6 98.4



#31
1,1,1-Trichloroethane
Concen: 2.23 ug/l
RT: 7.33 min Scan# 495
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 97 Resp: 31082
Ion Ratio Lower Upper
97 100
99 49.3 47.6 71.4
61 56.6 35.3 52.9#





#32

1,2-Dichloroethane-d4

Concen: 57.36 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

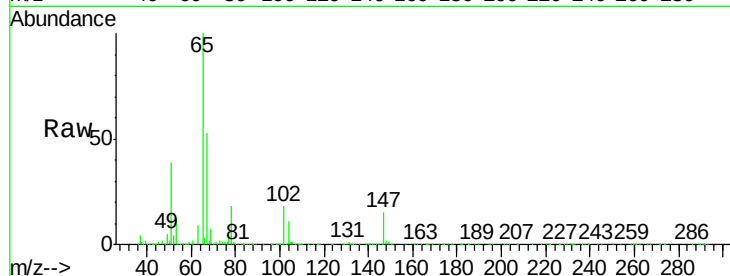
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 65 Resp: 460084

Ion Ratio Lower Upper

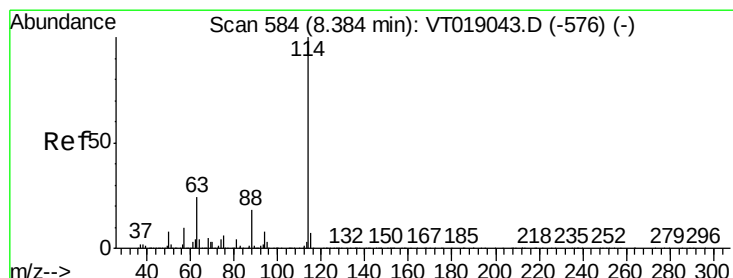
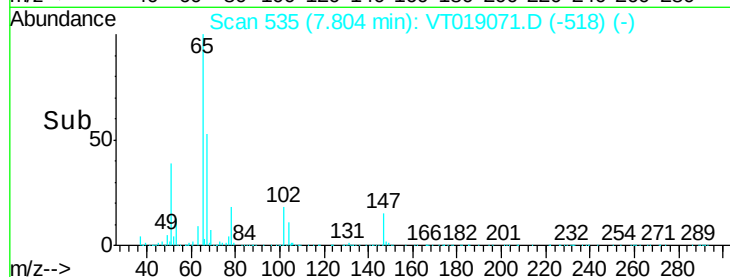
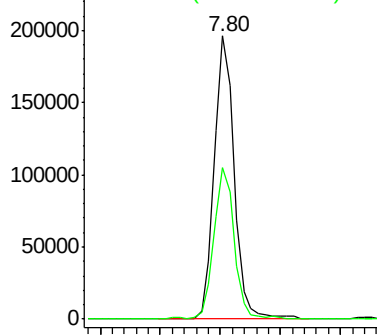
65 100

67 53.4 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.38 min Scan# 584

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

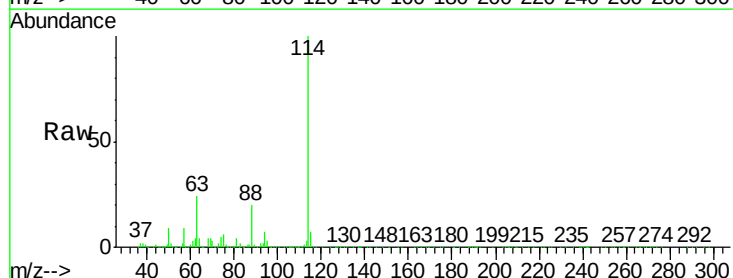
Tgt Ion: 114 Resp: 1493671

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.8

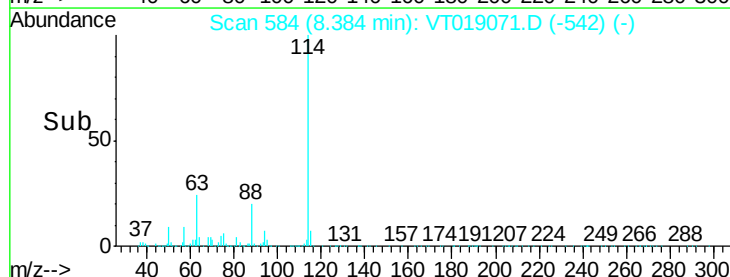
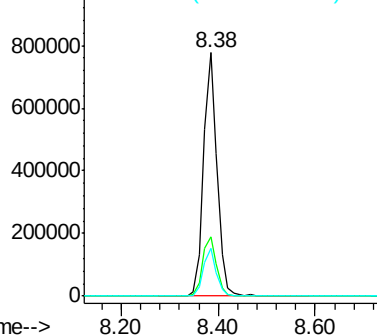
88 19.5 0.0 37.0

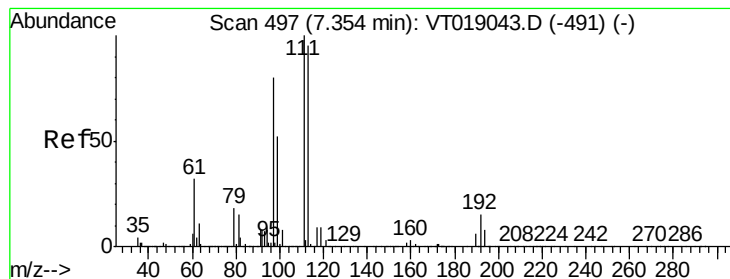


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0





#34

Dibromofluoromethane

Concen: 52.40 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

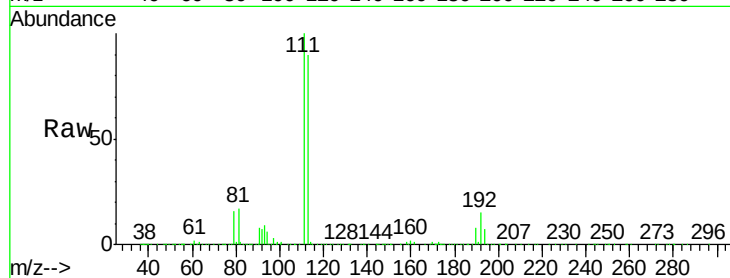
Tot Ion:113 Resp: 438293

Ion Ratio Lower Upper

113 100

111 110.8 84.0 126.0

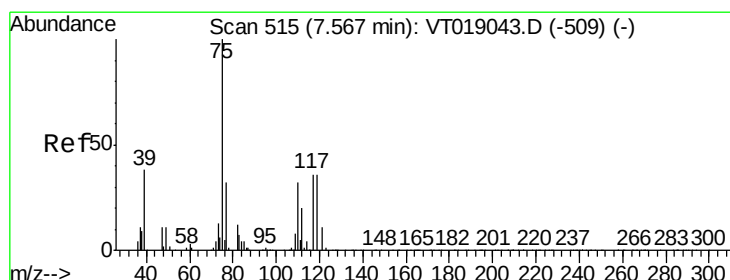
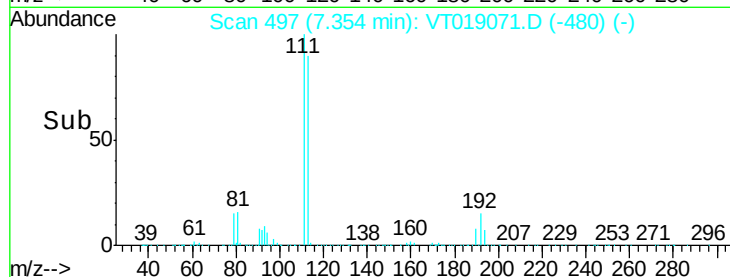
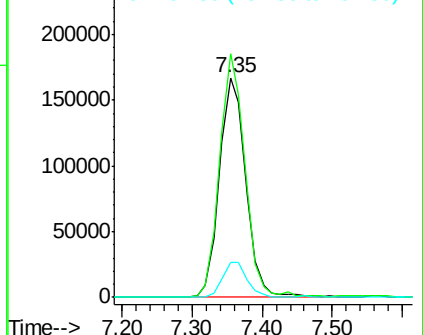
192 16.2 12.9 19.3



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: 2.45 ug/l

RT: 7.57 min Scan# 515

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

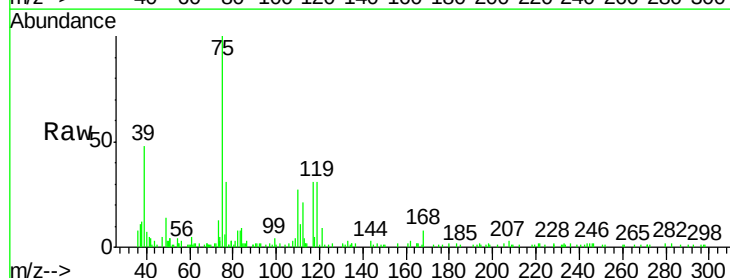
Tgt Ion: 75 Resp: 42118

Ion Ratio Lower Upper

75 100

110 26.7 15.9 47.6

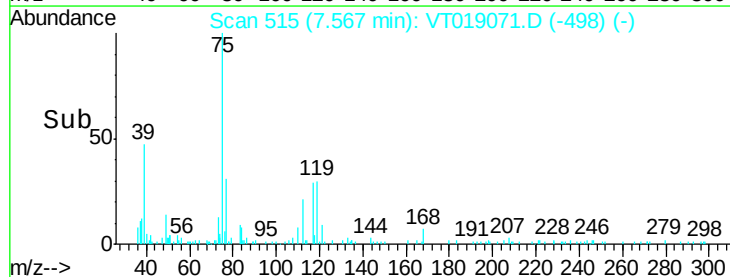
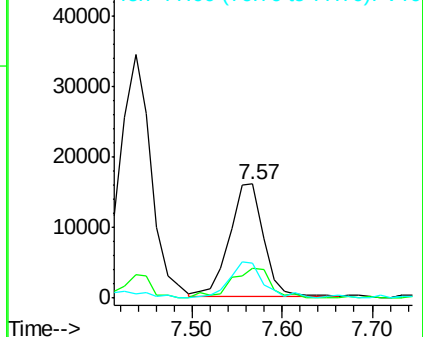
77 30.9 25.9 38.9

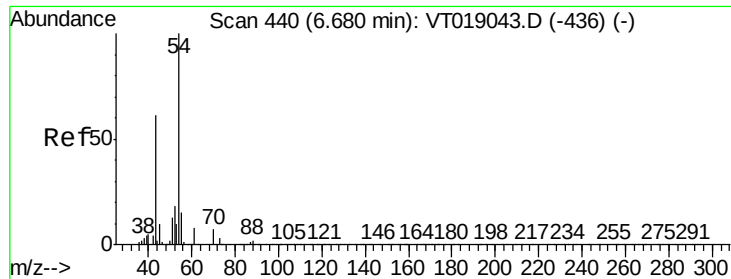


Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VT0

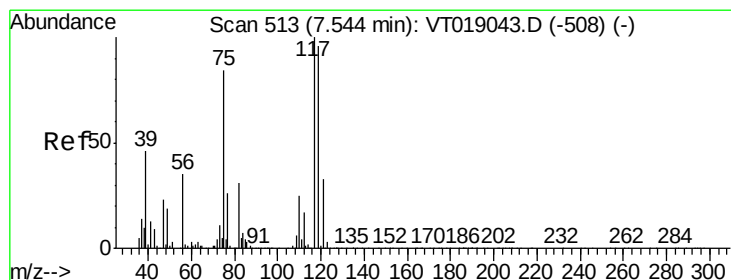
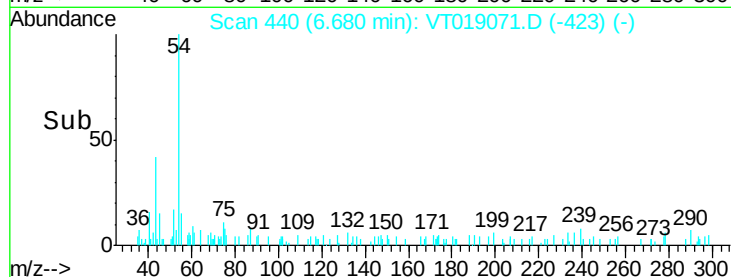
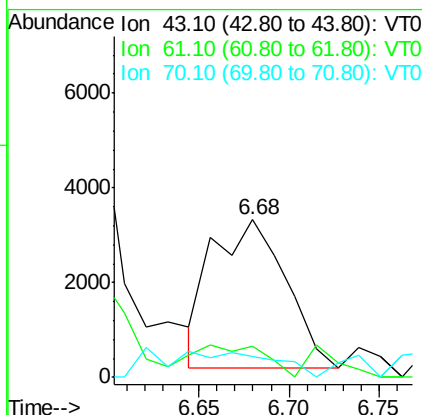
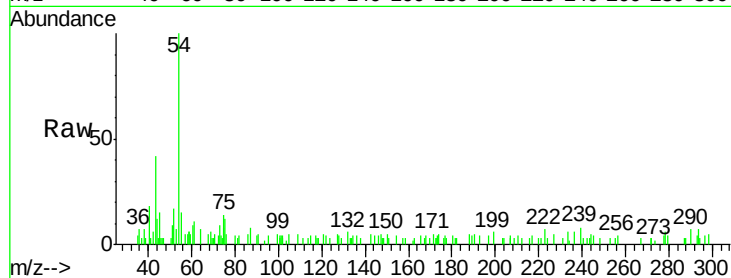




#36
Ethyl Acetate
Concen: 2.00 ug/l
RT: 6.68 min Scan# 440
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

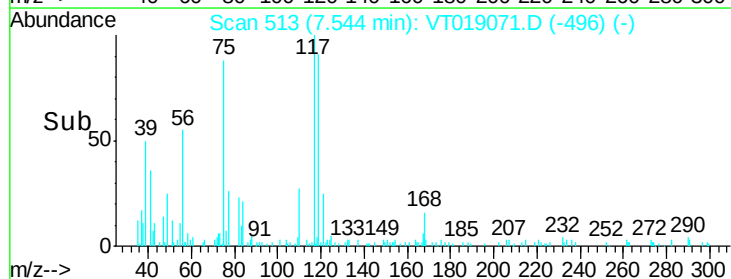
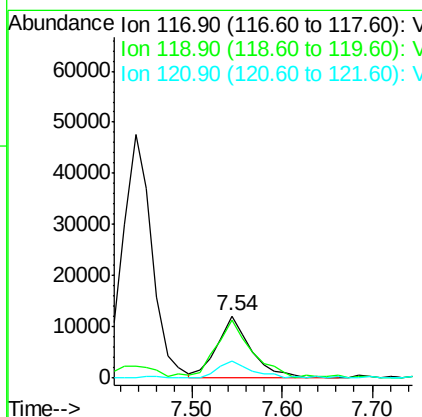
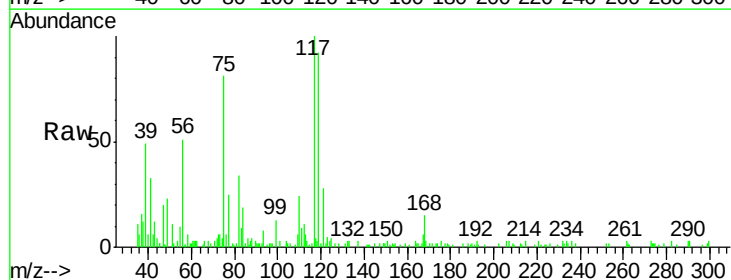
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

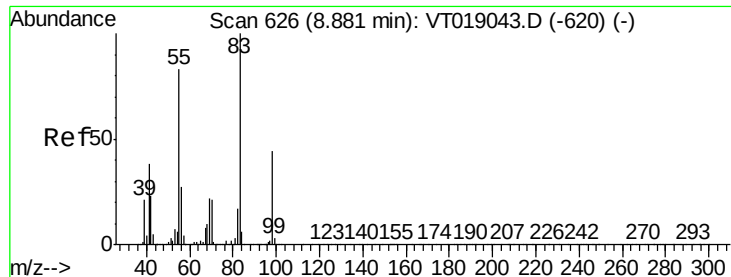
Tot Ion: 43 Resp: 8886
Ion Ratio Lower Upper
43 100
61 20.1 14.2 21.2
70 13.5 8.4 12.6#



#37
Carbon Tetrachloride
Concen: 2.28 ug/l
RT: 7.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 117 Resp: 32016
Ion Ratio Lower Upper
117 100
119 92.2 76.5 114.7
121 27.5 26.0 39.0

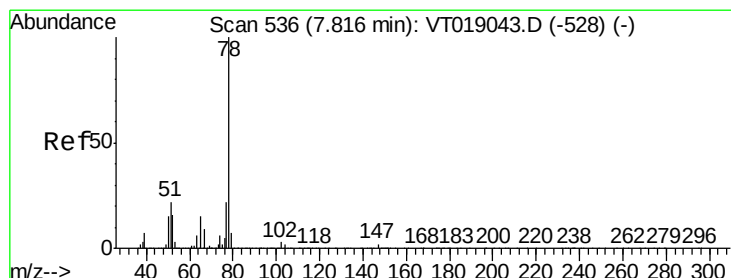
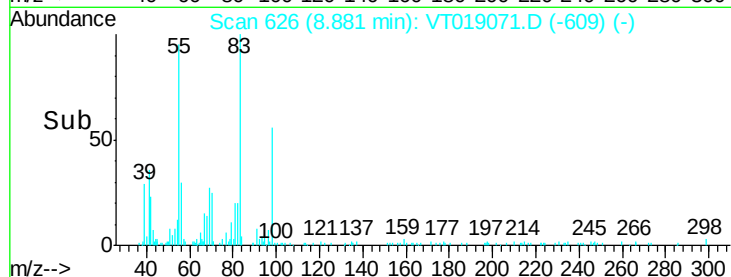
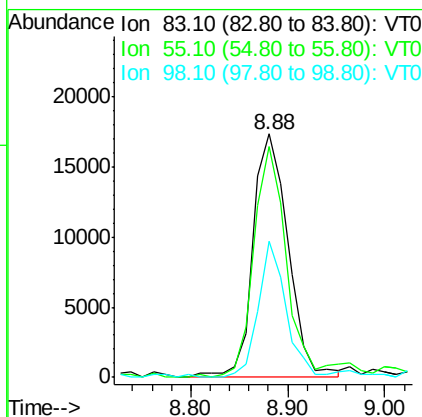
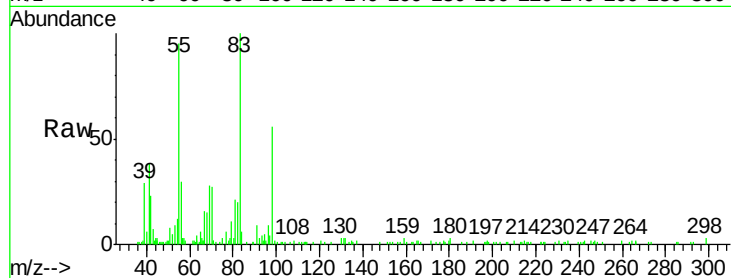




#38
Methylvlcyclohexane
Concen: 2.12 ug/l
RT: 8.88 min Scan# 626
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

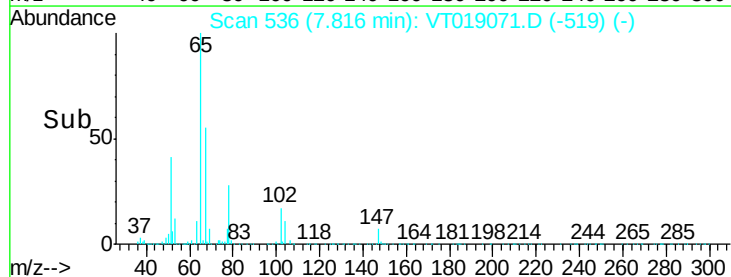
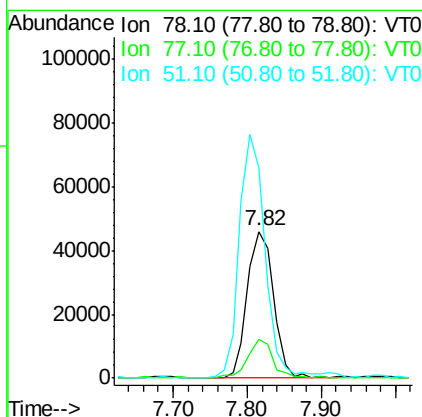
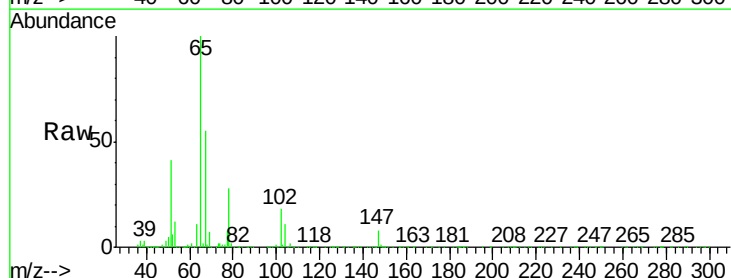
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

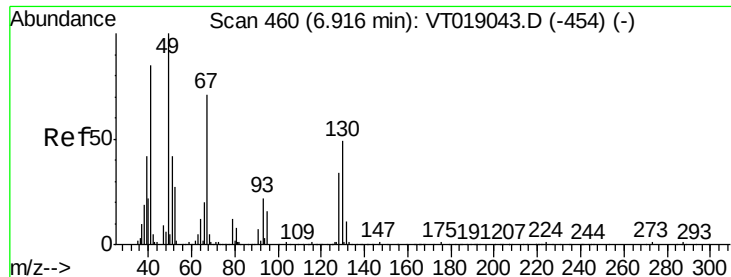
Tot Ion: 83 Resp: 43603
Ion Ratio Lower Upper
83 100
55 95.0 66.7 100.1
98 56.1 35.5 53.3#



#39
Benzene
Concen: 2.53 ug/l
RT: 7.82 min Scan# 536
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 78 Resp: 113590
Ion Ratio Lower Upper
78 100
77 26.6 18.0 27.0
51 143.1 17.3 25.9#





#40

Methacrylonitrile

Concen: 6.78 ug/l

RT: 6.98 min Scan# 465

Delta R.T. 0.06 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

Tot Ion: 41 Resp: 15800

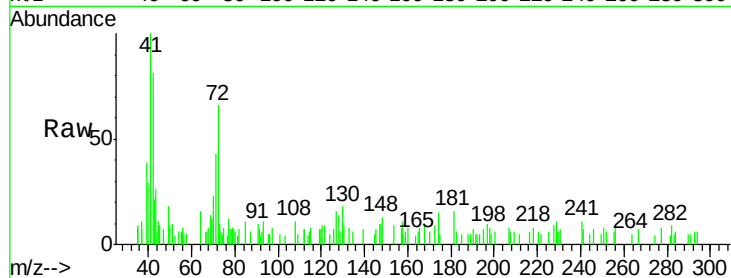
Ion Ratio Lower Upper

41 100

39 39.1 39.4 59.0#

67 14.0 66.8 100.2#

52 4.5 25.5 38.3#



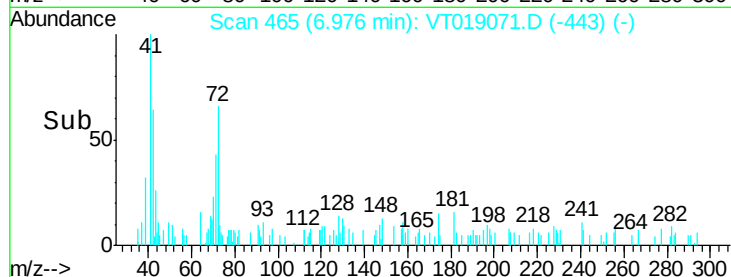
Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

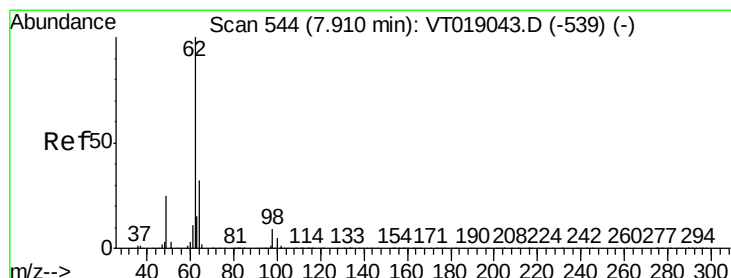
Ion 52.10 (51.80 to 52.80): VT0

Time-->



Abundance

Time-->



#41

1,2-Dichloroethane

Concen: 2.64 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019071.D

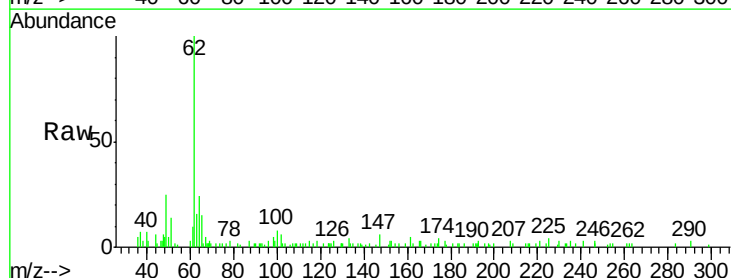
Acq: 10 May 2018 12:43

Tgt Ion: 62 Resp: 25805

Ion Ratio Lower Upper

62 100

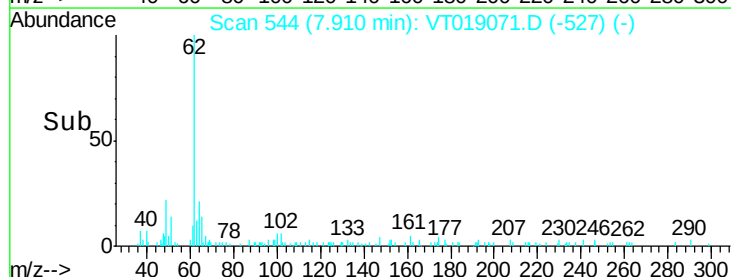
98 5.2 0.0 17.4



Abundance Ion 62.10 (61.80 to 62.80): VT0

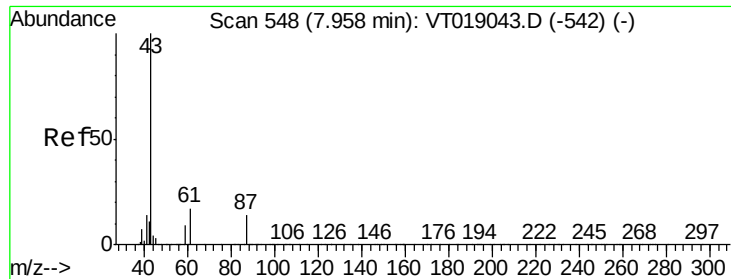
Ion 98.00 (97.70 to 98.70): VT0

Time-->



Abundance

Time-->



#42

Isopropyl Acetate

Concen: 1.86 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

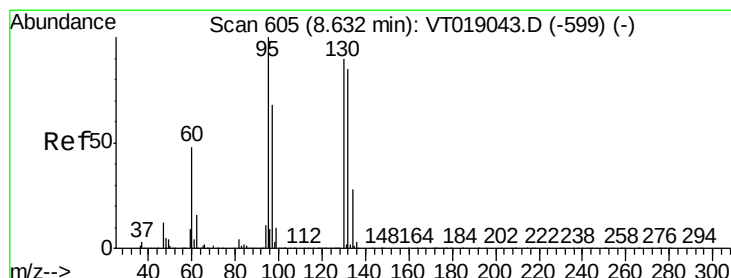
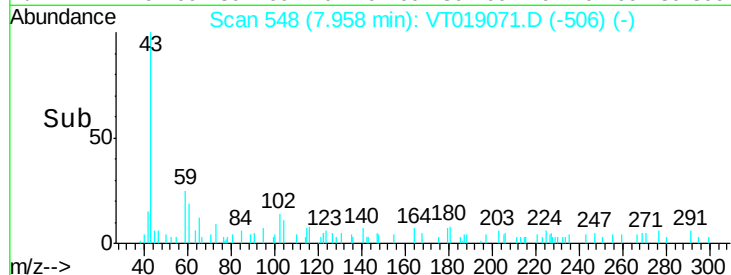
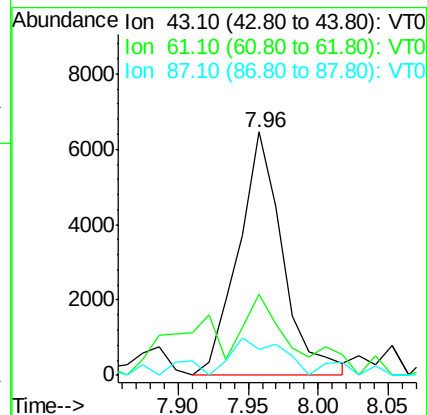
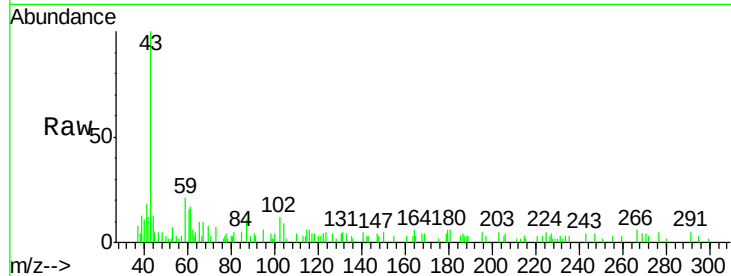
Tot Ion: 43 Resp: 14188

Ion Ratio Lower Upper

43 100

61 33.1 17.9 26.9#

87 10.8 11.0 16.6#



#43

Trichloroethene

Concen: 2.16 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019071.D

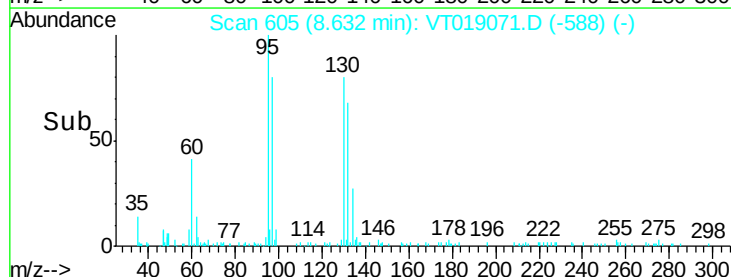
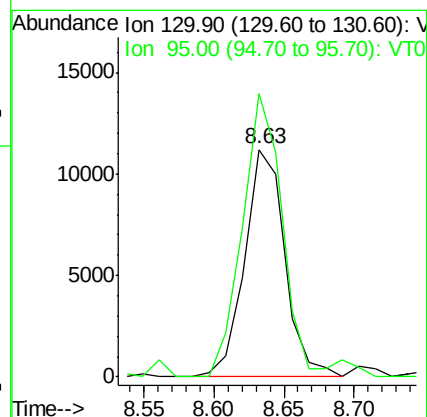
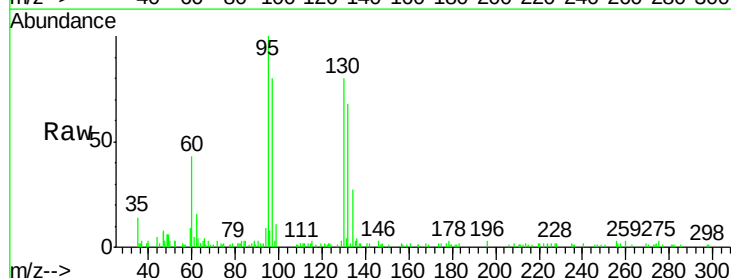
Acq: 10 May 2018 12:43

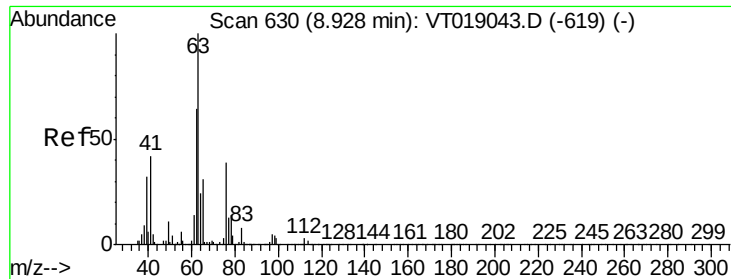
Tgt Ion: 130 Resp: 22310

Ion Ratio Lower Upper

130 100

95 124.5 0.0 222.6





#44

1,2-Dichloropropane

Concen: 2.30 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

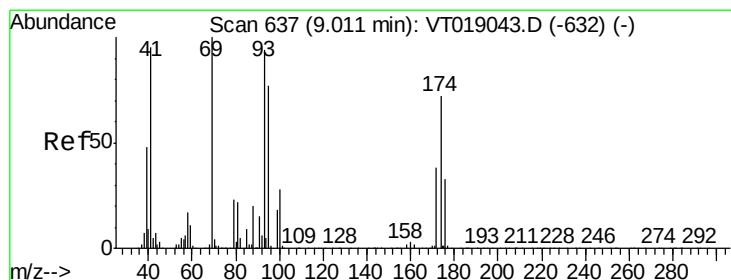
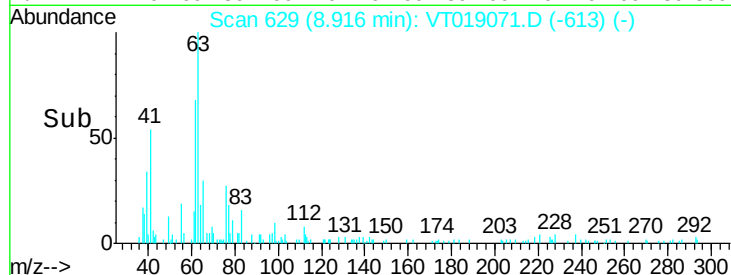
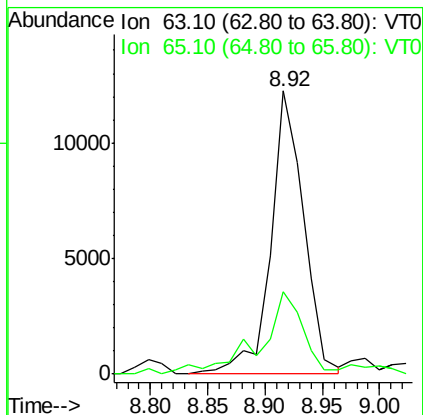
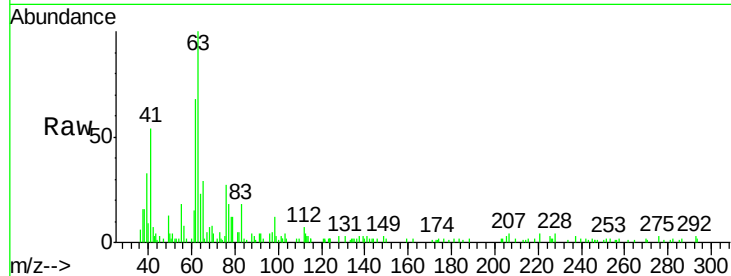
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 63 Resp: 24290

Ion Ratio Lower Upper

63 100

65 29.3 25.0 37.4



#45

Dibromomethane

Concen: 2.67 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

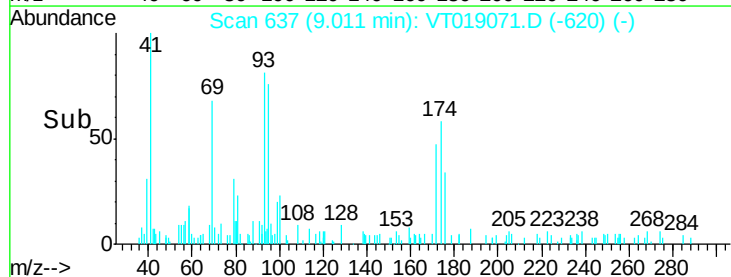
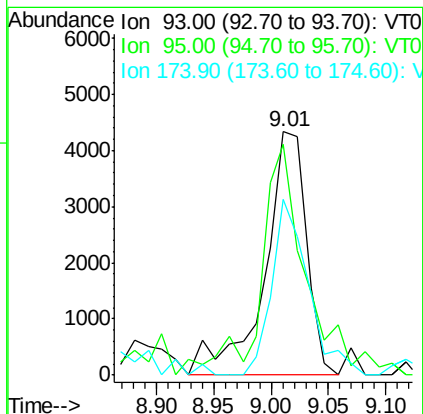
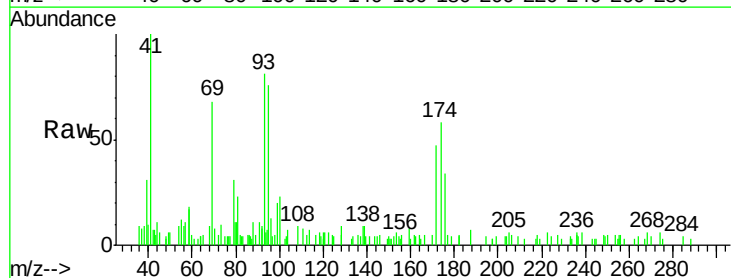
Tgt Ion: 93 Resp: 11053

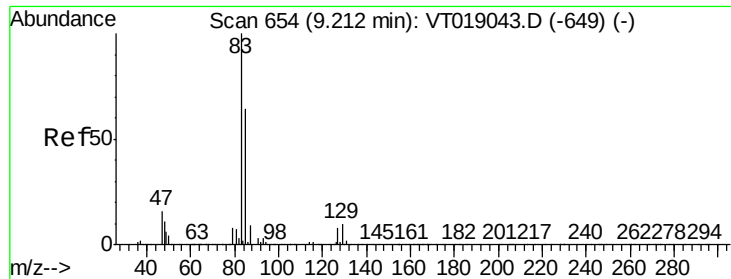
Ion Ratio Lower Upper

93 100

95 94.8 65.5 98.3

174 72.4 60.9 91.3





#46

Bromodichloromethane

Concen: 2.36 ug/l

RT: 9.21 min Scan# 654

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

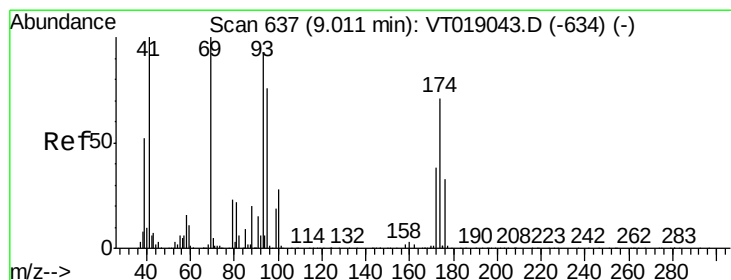
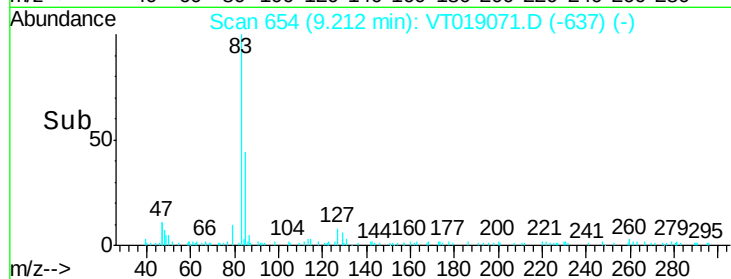
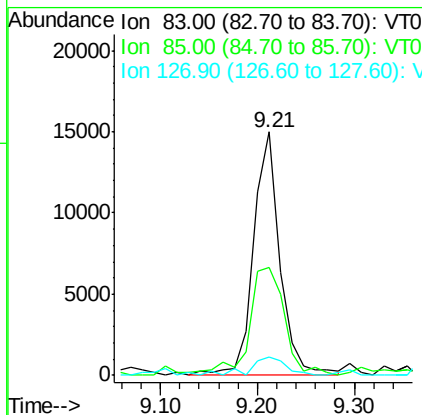
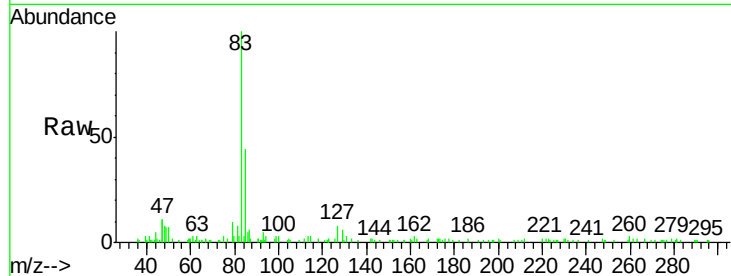
Instrument :

MSVOA_T

ClientSampleId :

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

Tot Ion:	83	Resp:	28387
Ion	Ratio	Lower	Upper
83	100		
85	44.3	51.3	76.9#
127	7.6	6.1	9.1



#47

Methyl methacrylate

Concen: 2.63 ug/l

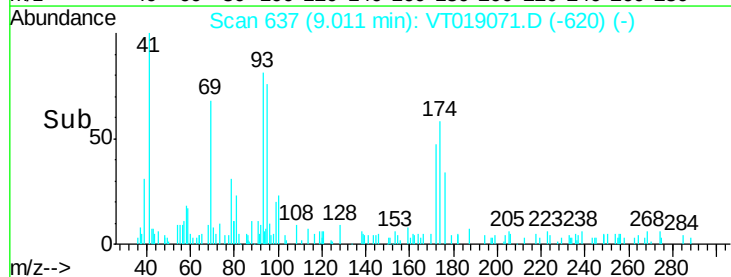
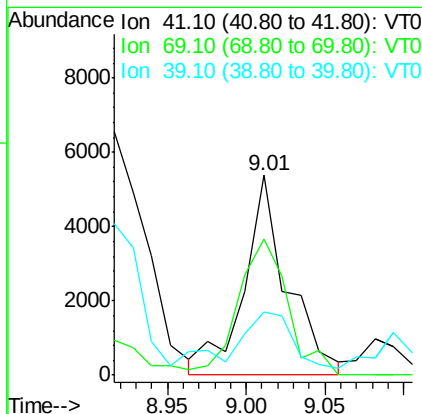
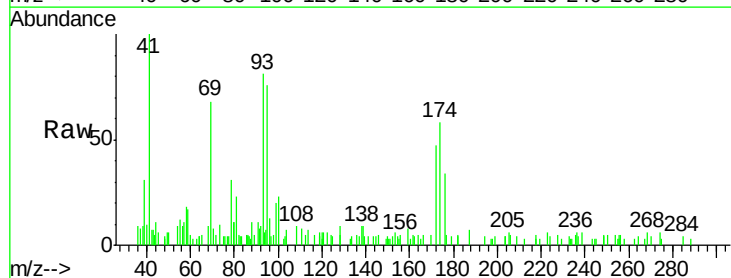
RT: 9.01 min Scan# 637

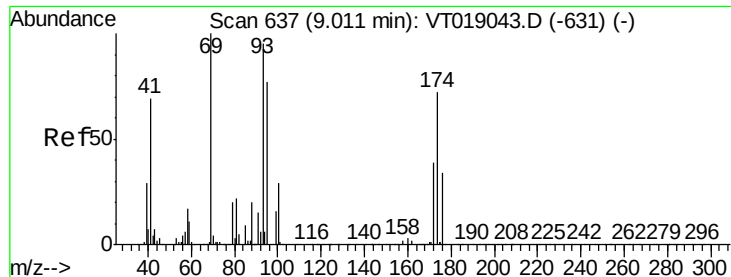
Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Tgt Ion:	41	Resp:	10368
Ion	Ratio	Lower	Upper
41	100		
69	68.1	78.4	117.6#
39	31.3	41.4	62.2#

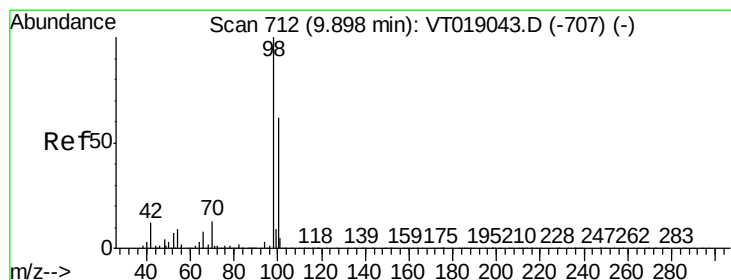
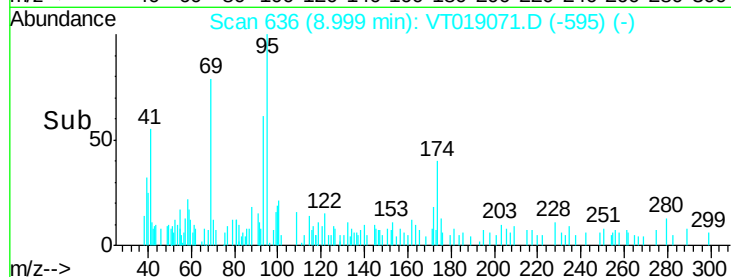
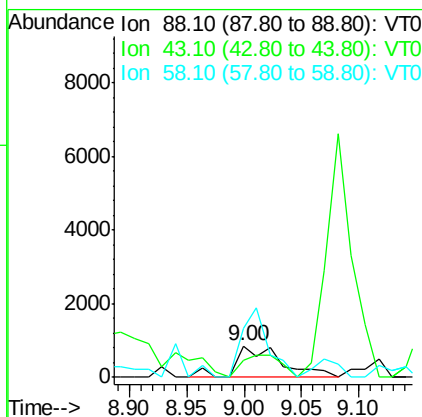
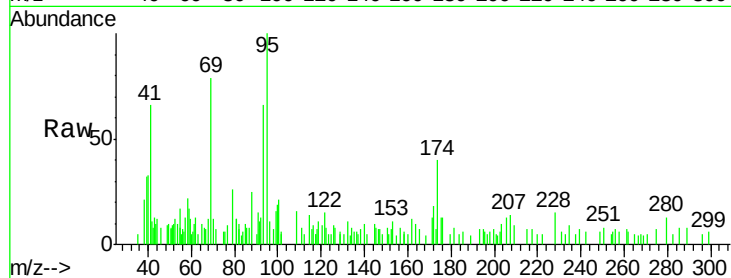




#48
1,4-Dioxane
Concen: 39.89 ug/l
RT: 9.00 min Scan# 636
Delta R.T. -0.01 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

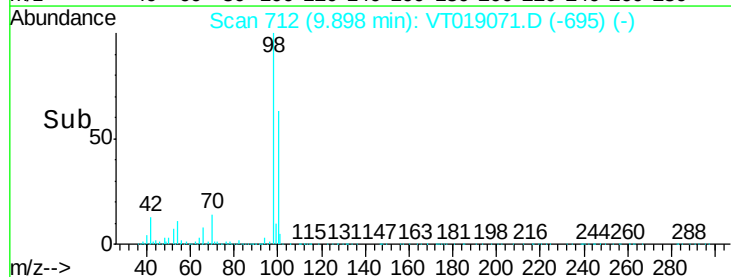
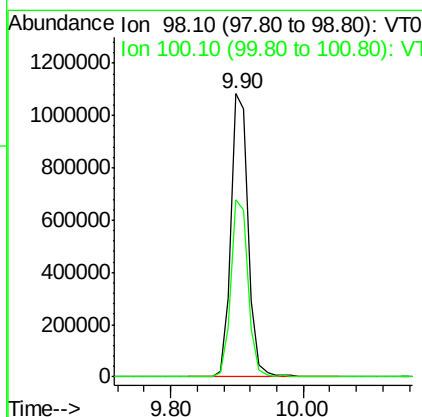
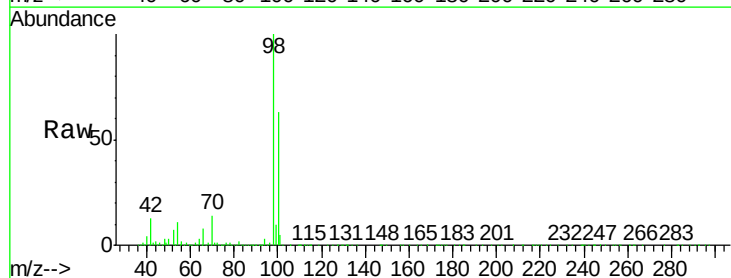
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

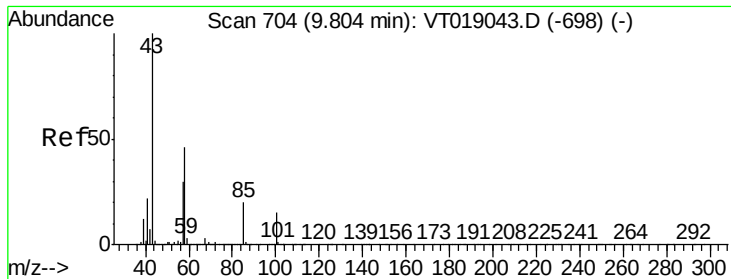
Tot Ion: 88 Resp: 2415
Ion Ratio Lower Upper
88 100
43 95.2 30.5 45.7#
58 155.1 67.5 101.3#



#49
Toluene-d8
Concen: 55.69 ug/l
RT: 9.90 min Scan# 712
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 98 Resp: 1998262
Ion Ratio Lower Upper
98 100
100 62.8 50.0 75.0





#50

4-Methyl-2-Pentanone

Concen: 10.53 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

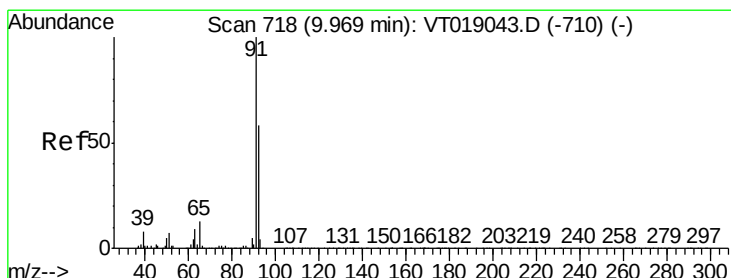
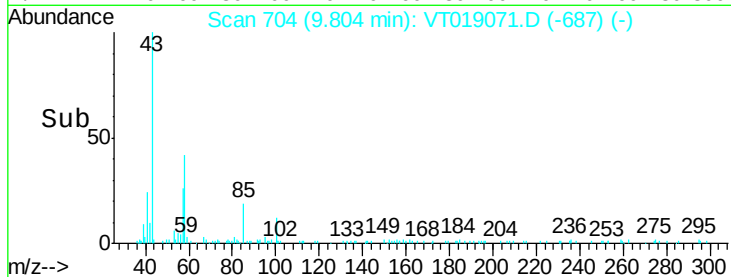
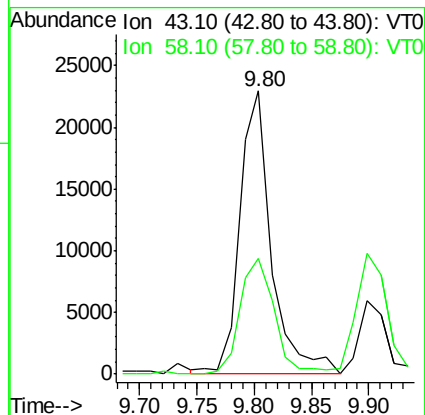
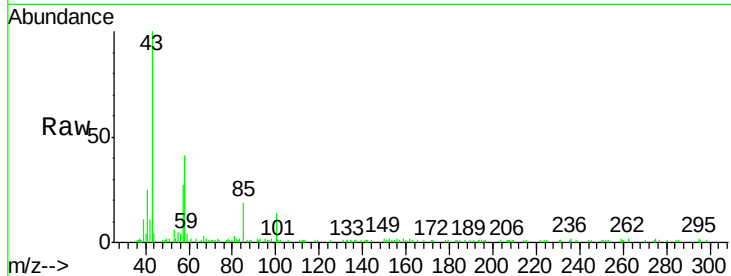
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 43 Resp: 44114

Ion Ratio Lower Upper

43 100

58 41.0 36.6 54.8



#51

Toluene

Concen: 2.51 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019071.D

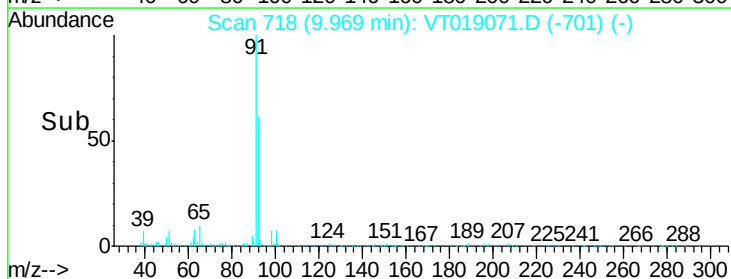
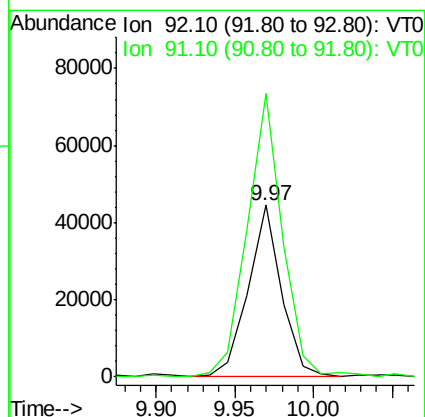
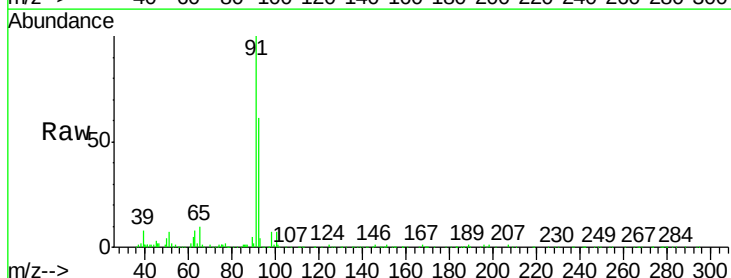
Acq: 10 May 2018 12:43

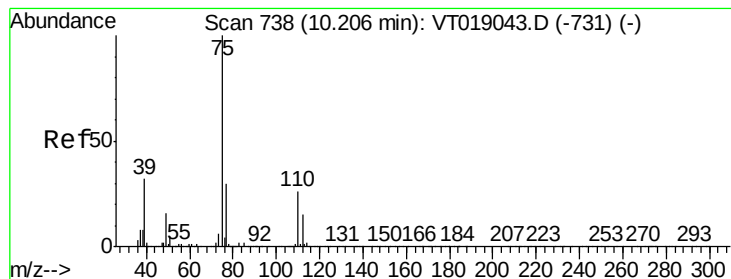
Tgt Ion: 92 Resp: 65297

Ion Ratio Lower Upper

92 100

91 165.0 137.8 206.6





#52

t-1,3-Dichloropropene

Concen: 1.85 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

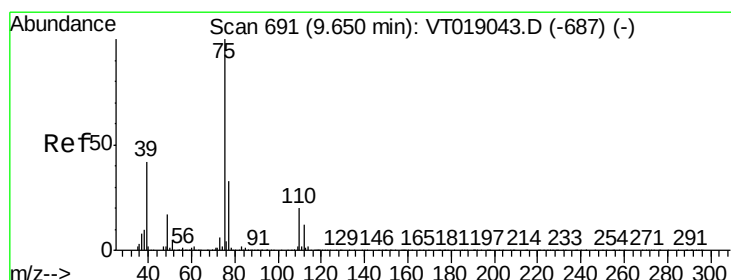
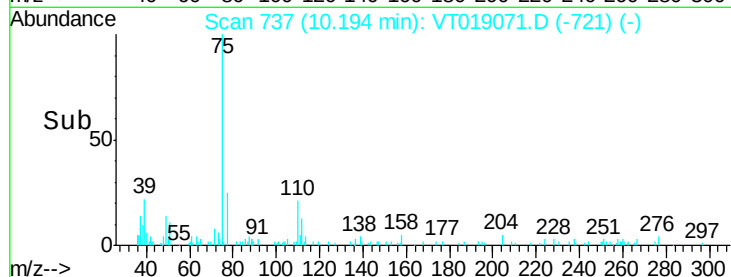
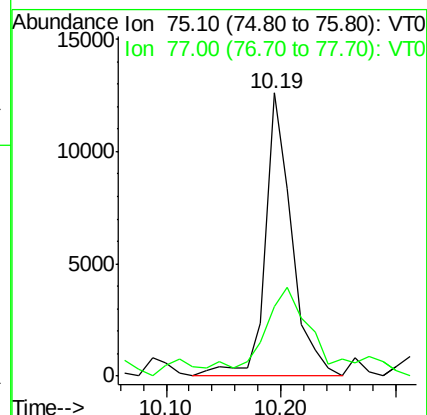
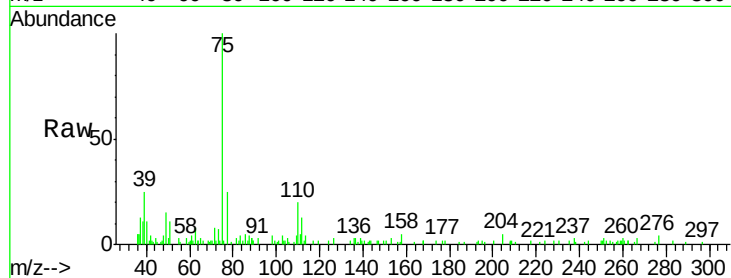
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 75 Resp: 20235

Ion Ratio Lower Upper

75 100

77 24.7 24.6 36.8



#53

cis-1,3-Dichloropropene

Concen: 1.82 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

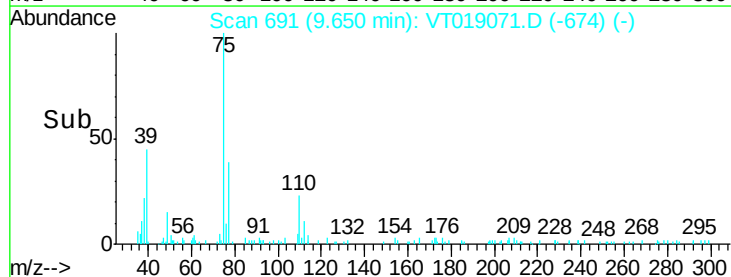
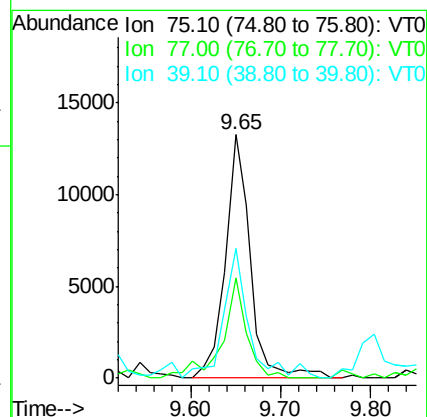
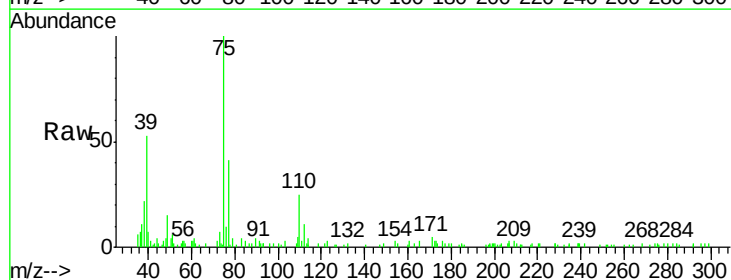
Tgt Ion: 75 Resp: 25440

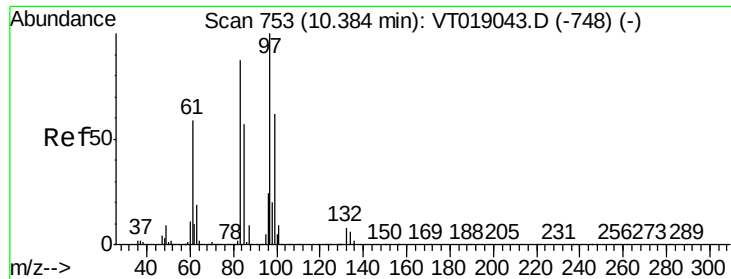
Ion Ratio Lower Upper

75 100

77 40.9 26.6 39.8#

39 53.3 34.1 51.1#





#54

1,1,2-Trichloroethane

Concen: 1.88 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

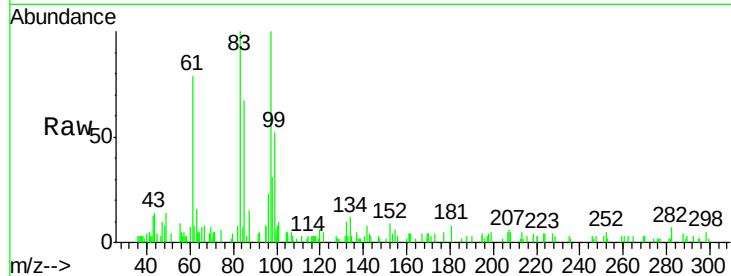
MSVOA_T

ClientSampleId :

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

Tot Ion: 97 Resp: 11849

Ion	Ratio	Lower	Upper
97	100		
83	99.8	69.7	104.5
85	67.4	46.1	69.1
99	57.4	49.6	74.4

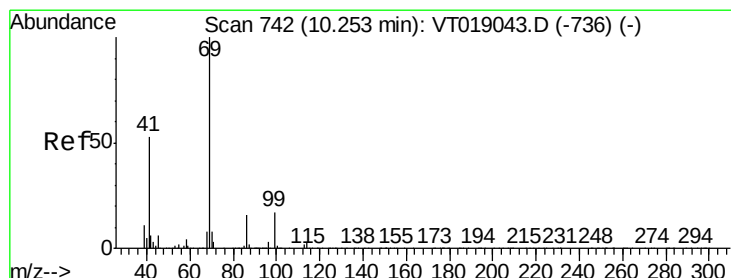
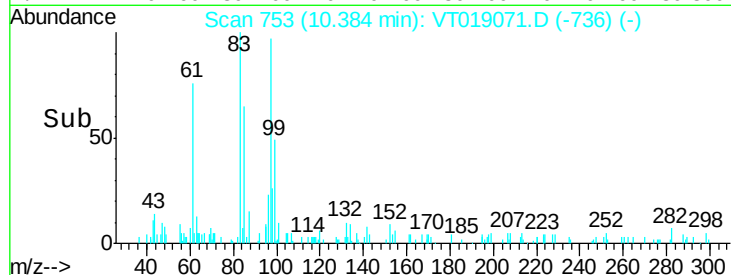


Abundance Ion 97.00 (96.70 to 97.70): VT0

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: 1.79 ug/l

RT: 10.25 min Scan# 742

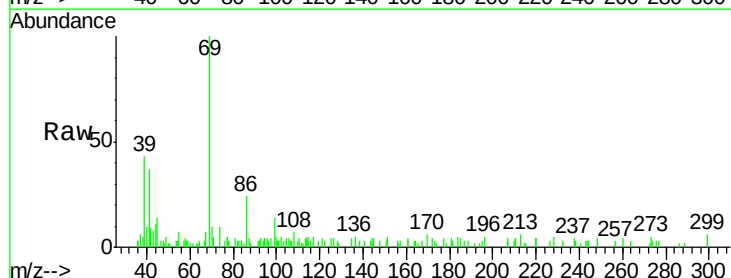
Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Tgt Ion: 69 Resp: 13490

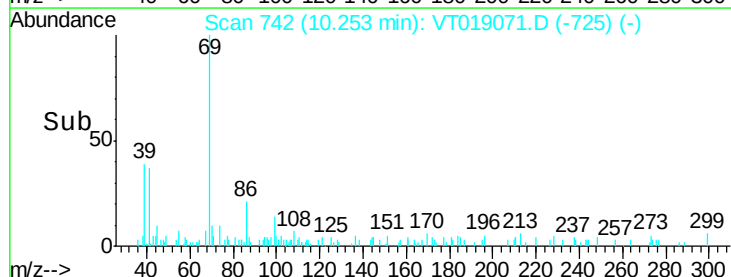
Ion	Ratio	Lower	Upper
69	100		
41	36.7	42.9	64.3#
39	42.7	21.2	31.8#

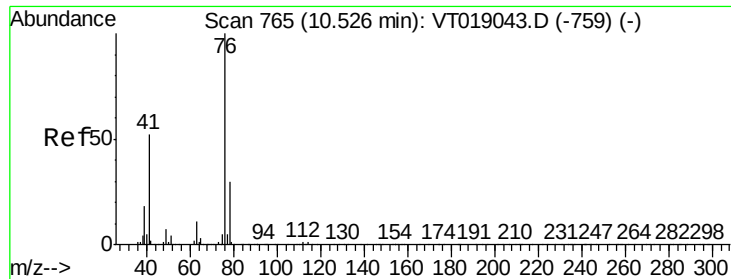


Abundance Ion 69.10 (68.80 to 69.80): VT0

Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0





#56

1,3-Dichloropropane

Concen: 2.14 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

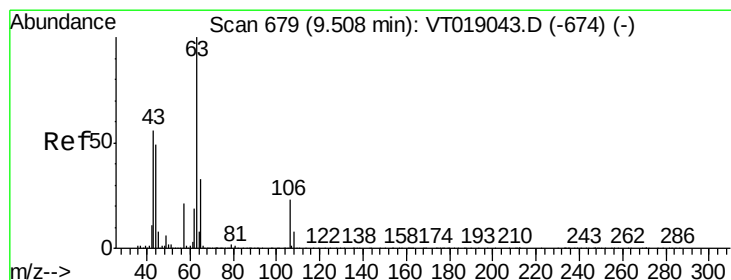
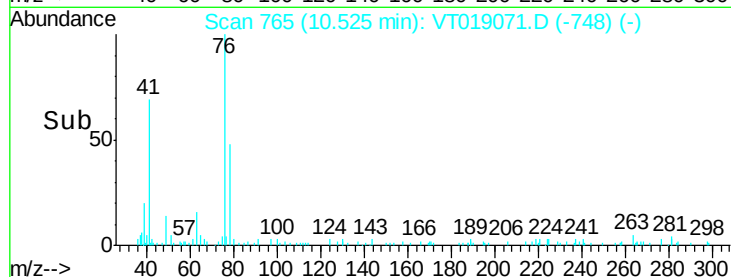
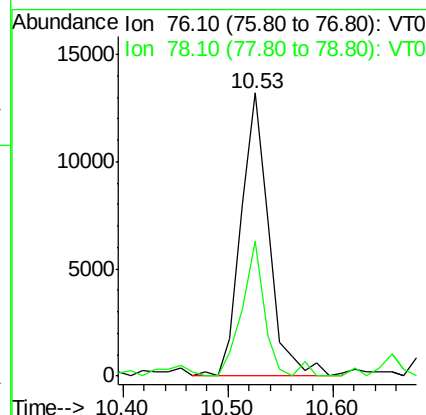
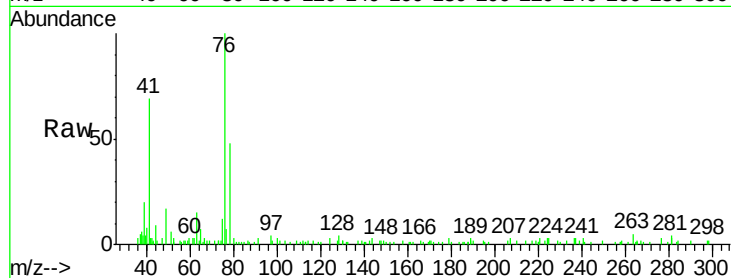
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 76 Resp: 24134

Ion Ratio Lower Upper

76 100

78 44.4 24.1 36.1#



#57

2-Chloroethyl Vinyl ether

Concen: 7.67 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019071.D

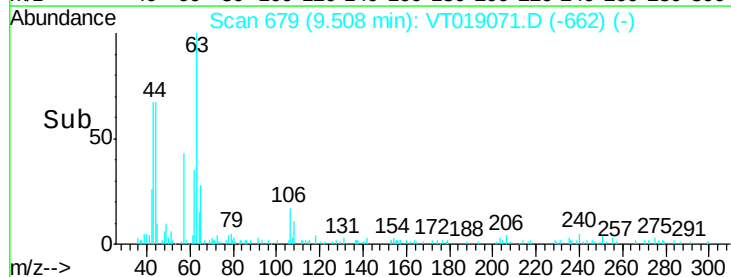
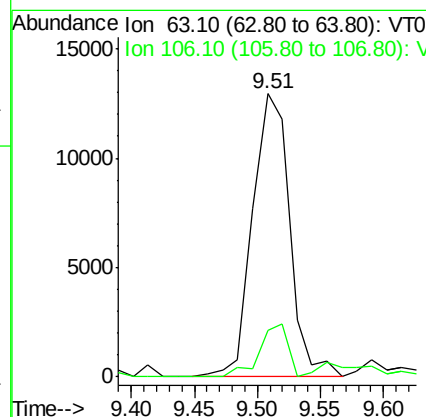
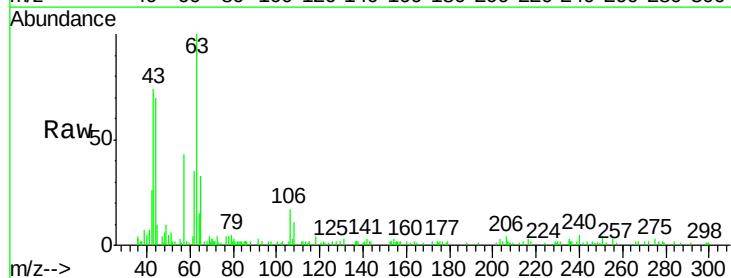
Acq: 10 May 2018 12:43

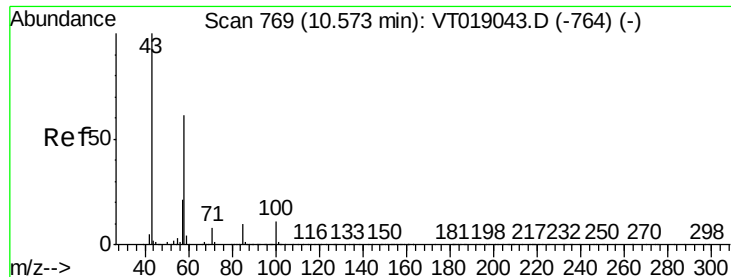
Tgt Ion: 63 Resp: 26657

Ion Ratio Lower Upper

63 100

106 16.5 18.7 28.1#

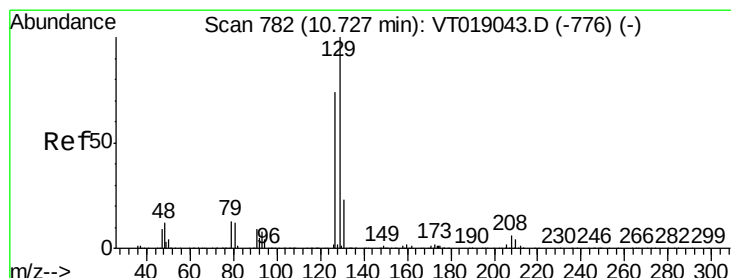
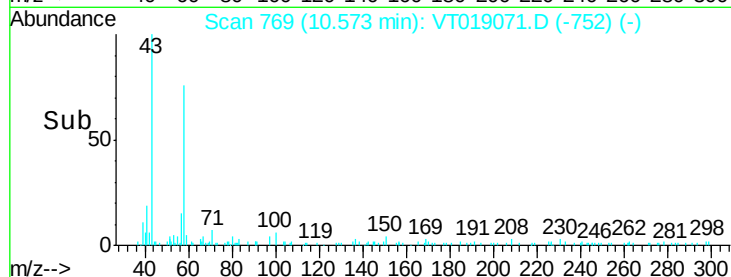
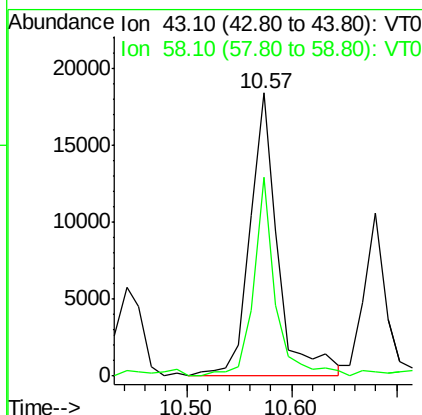
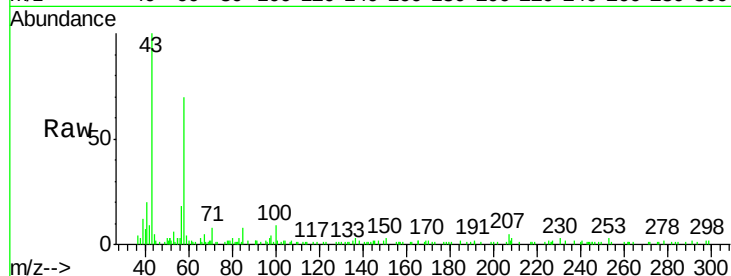




#58
2-Hexanone
Concen: 11.17 ug/l
RT: 10.57 min Scan# 769
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

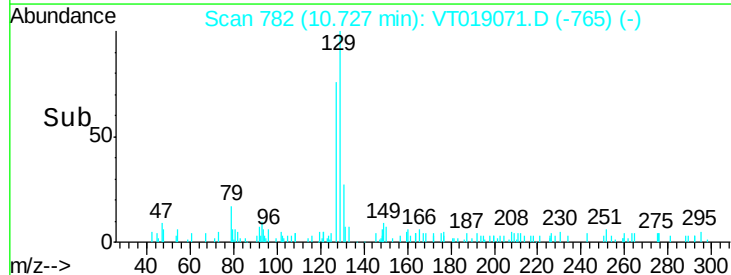
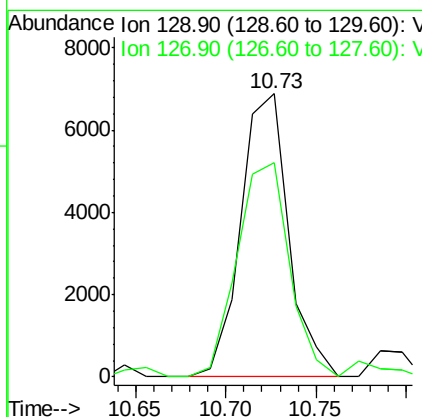
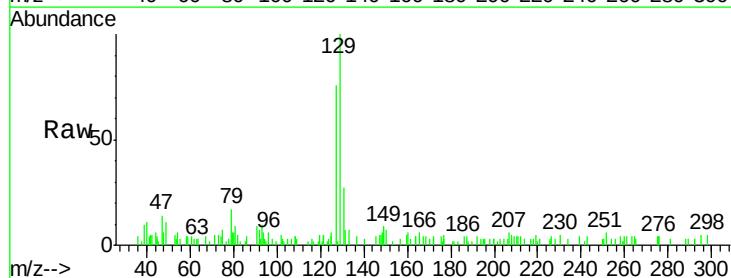
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

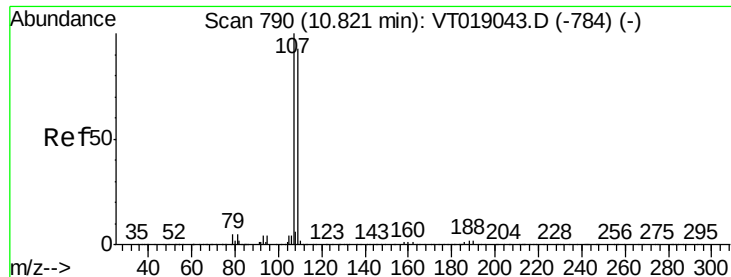
Tot Ion: 43 Resp: 33921
Ion Ratio Lower Upper
43 100
58 70.3 30.6 92.0



#59
Dibromochloromethane
Concen: 1.94 ug/l
RT: 10.73 min Scan# 782
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 129 Resp: 12663
Ion Ratio Lower Upper
129 100
127 75.9 37.3 111.8

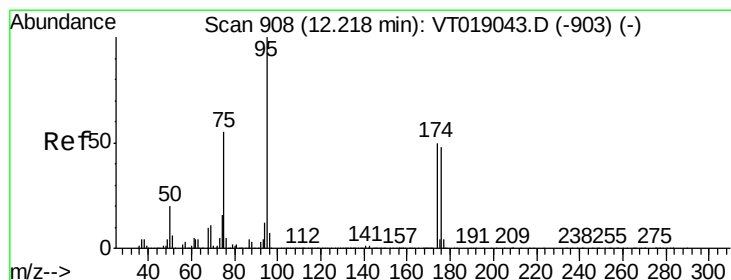
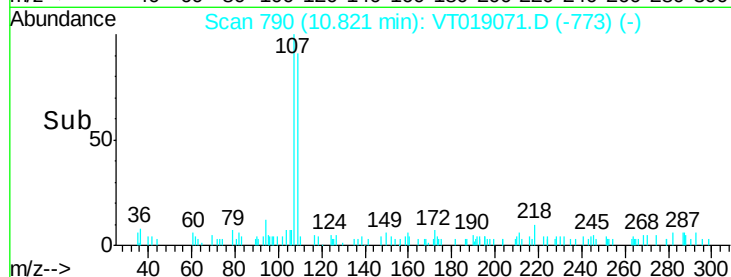
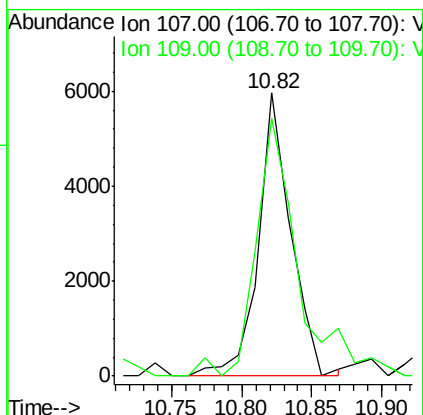
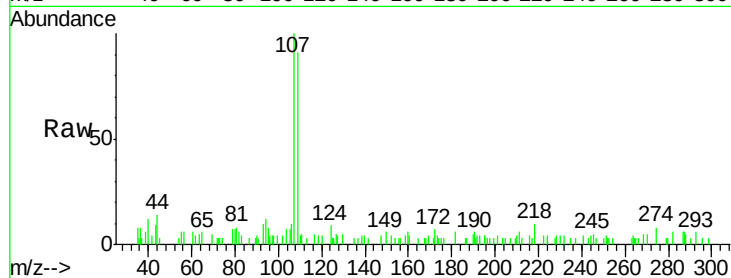




#60
 1,2-Dibromoethane
 Concen: 1.77 ug/l
 RT: 10.82 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

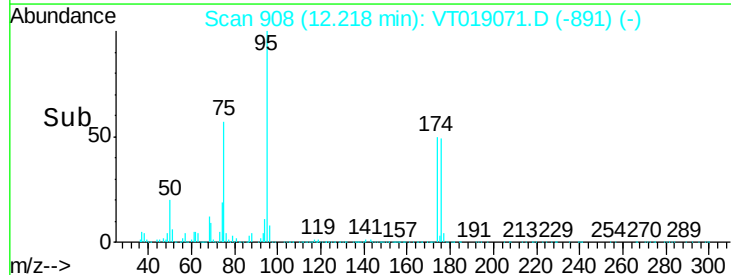
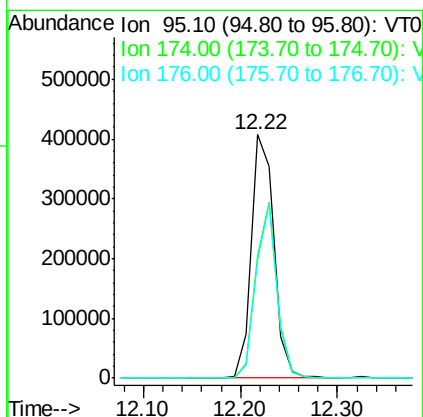
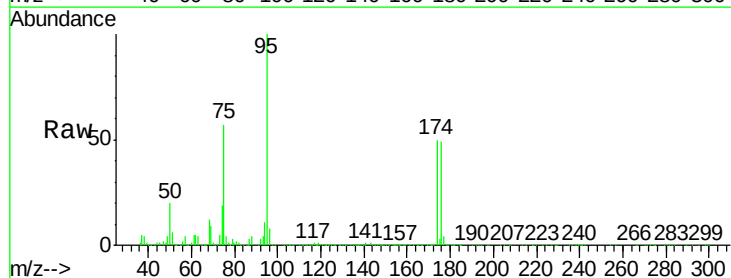
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

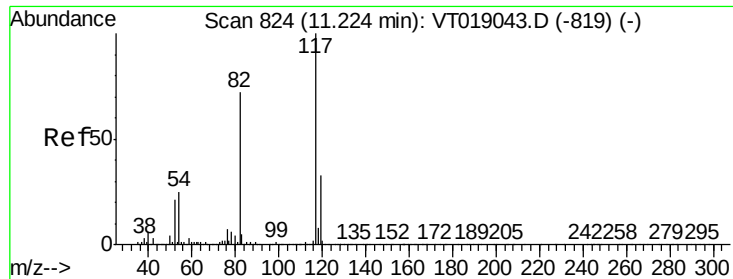
Tot Ion:107 Resp: 9601
 Ion Ratio Lower Upper
 107 100
 109 91.2 74.3 111.5



#61
 4-Bromofluorobenzene
 Concen: 48.60 ug/l
 RT: 12.22 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion: 95 Resp: 656571
 Ion Ratio Lower Upper
 95 100
 174 49.9 0.0 100.0
 176 48.6 0.0 96.6

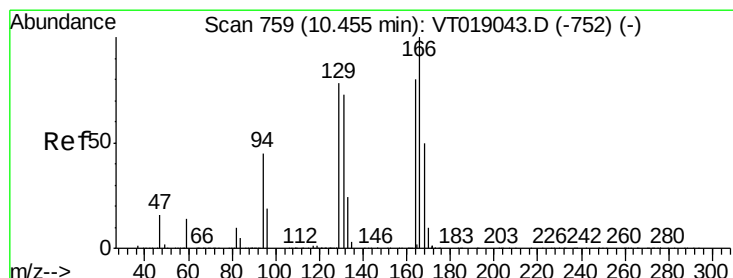
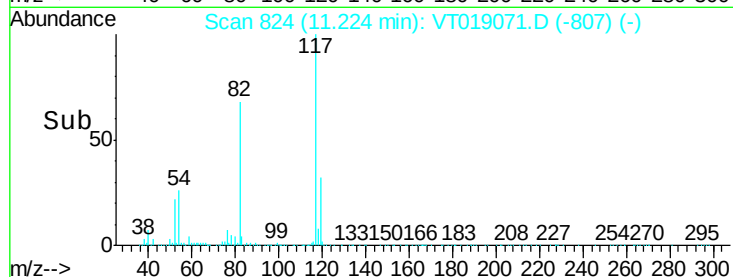
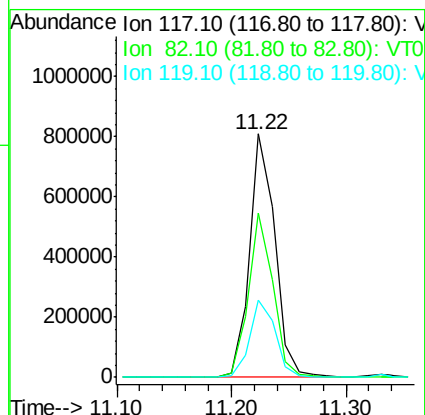
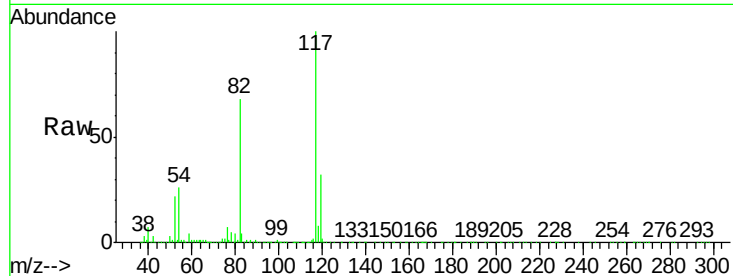




#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

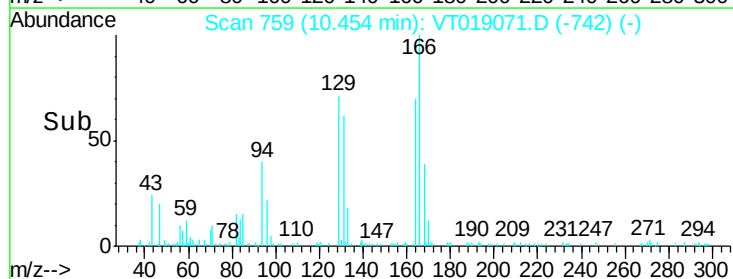
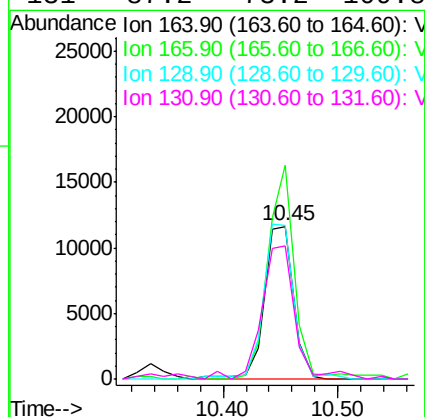
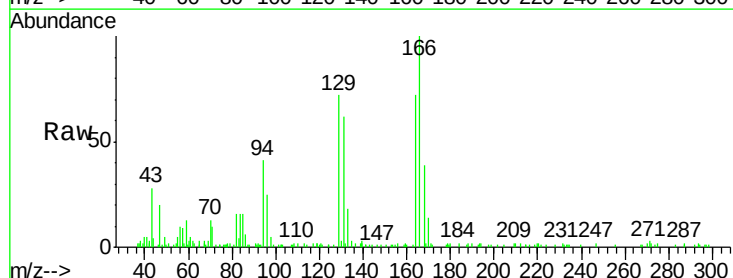
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

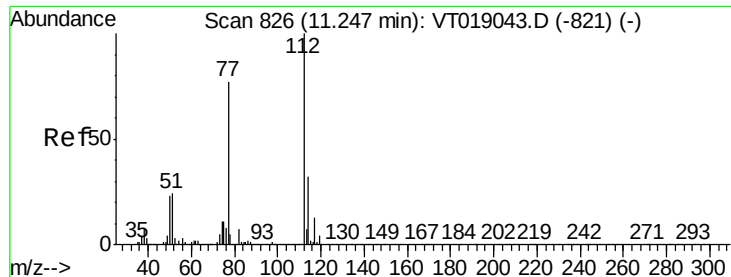
Tot Ion:117 Resp: 1253589
Ion Ratio Lower Upper
117 100
82 67.5 57.6 86.4
119 31.8 26.6 40.0



#63
Tetrachloroethene
Concen: 2.41 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion:164 Resp: 20668
Ion Ratio Lower Upper
164 100
166 139.9 100.6 151.0
129 100.7 78.1 117.1
131 87.2 73.2 109.8





#64

Chlorobenzene

Concen: 2.57 ug/l

RT: 11.25 min Scan# 826

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

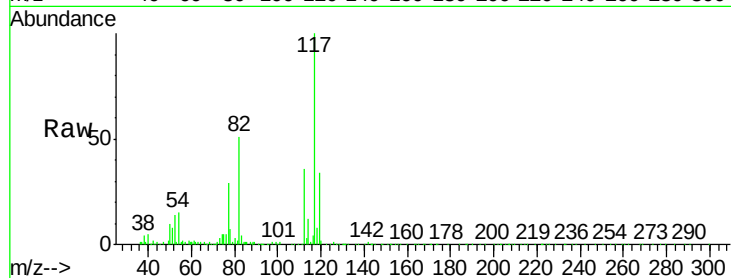
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:112 Resp: 66754

Ion Ratio Lower Upper

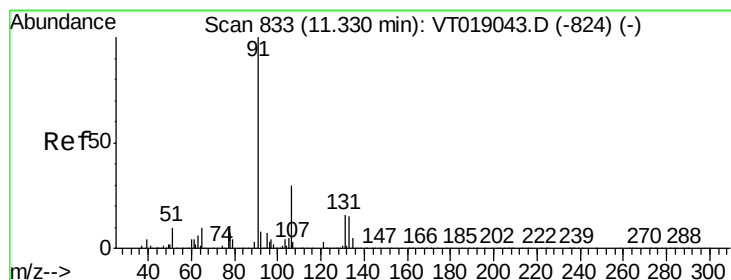
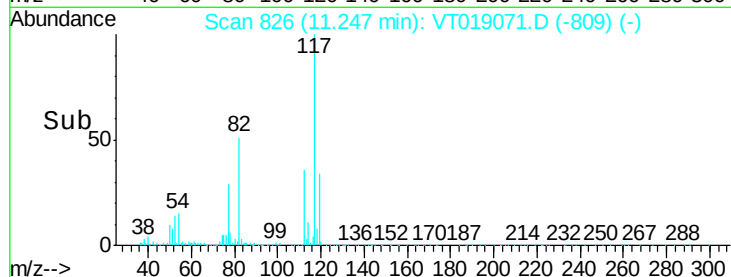
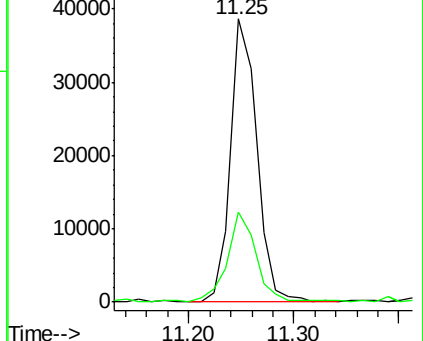
112 100

114 32.1 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 2.06 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

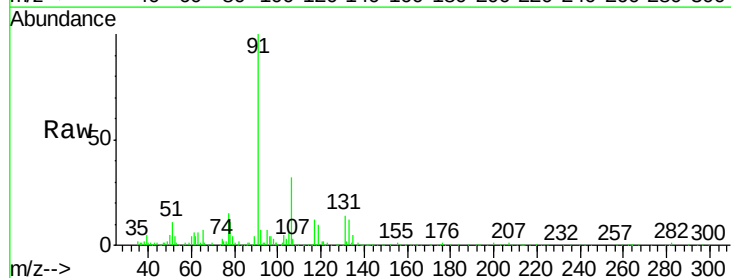
Tgt Ion:131 Resp: 17347

Ion Ratio Lower Upper

131 100

133 88.5 47.8 143.3

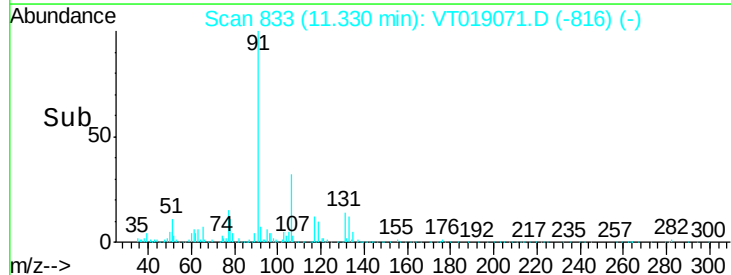
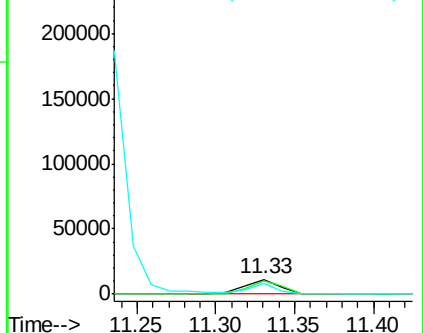
119 72.1 31.8 95.4

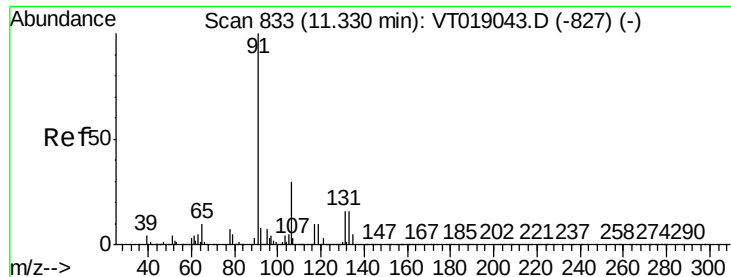


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.90 (118.60 to 119.60): V





#66

Ethyl Benzene

Concen: 2.41 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

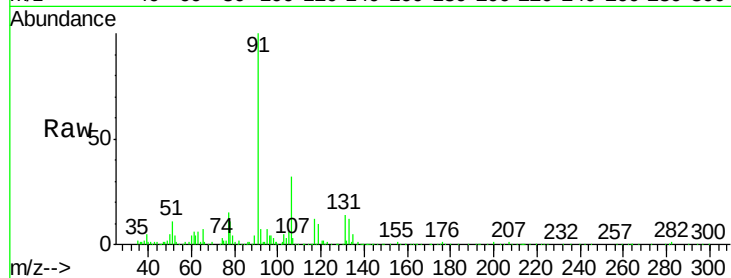
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 91 Resp: 120108

Ion Ratio Lower Upper

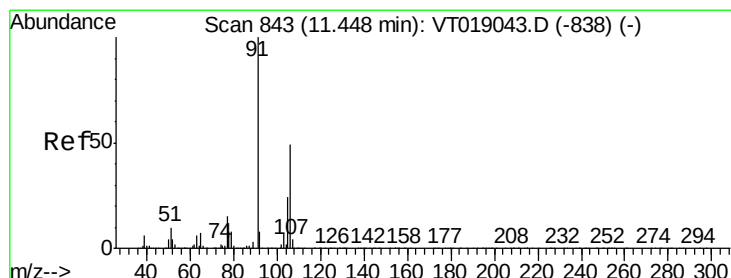
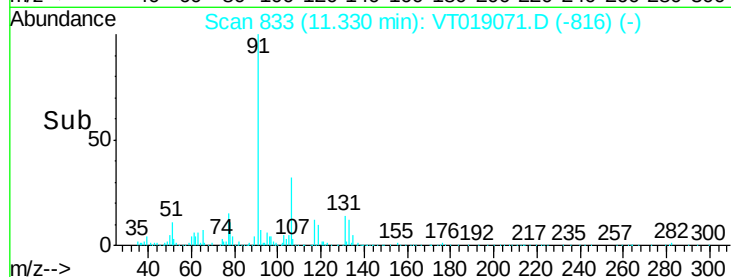
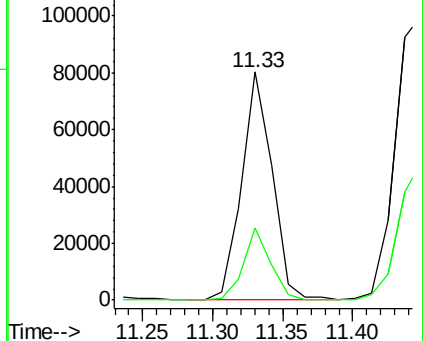
91 100

106 31.9 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): VT0



#67

m/p-Xylenes

Concen: 4.66 ug/l

RT: 11.45 min Scan# 843

Delta R.T. -0.00 min

Lab File: VT019071.D

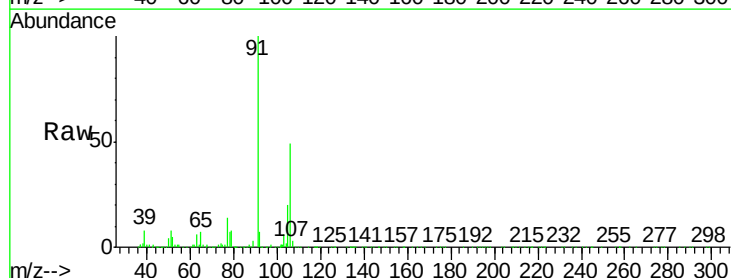
Acq: 10 May 2018 12:43

Tgt Ion: 106 Resp: 86232

Ion Ratio Lower Upper

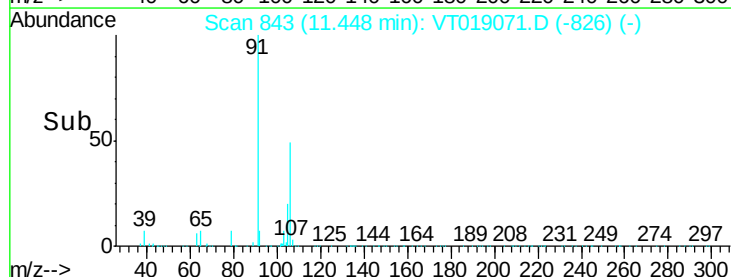
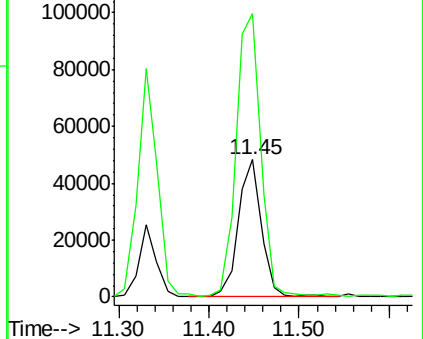
106 100

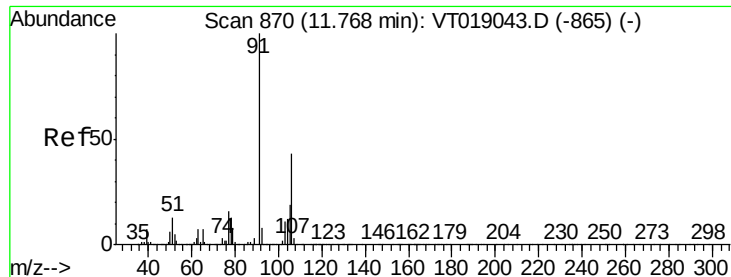
91 206.1 162.2 243.4



Abundance Ion 106.10 (105.80 to 106.80): VT0

Ion 91.10 (90.80 to 91.80): VT0

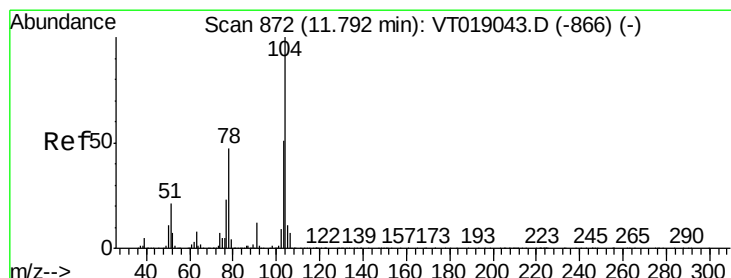
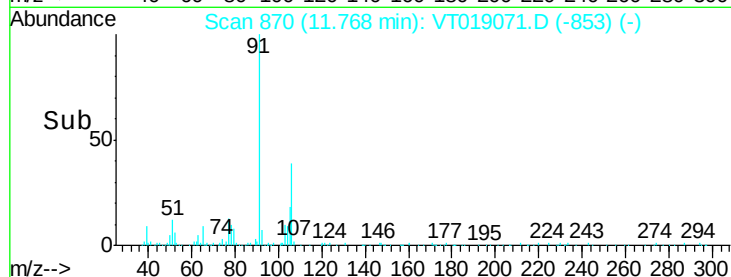
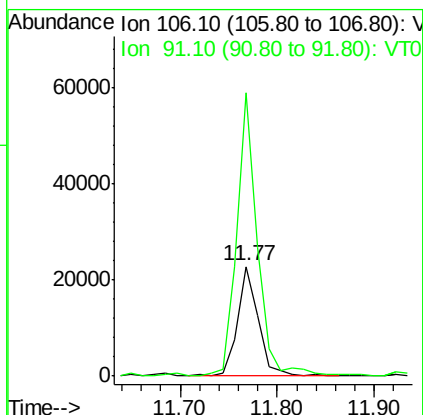
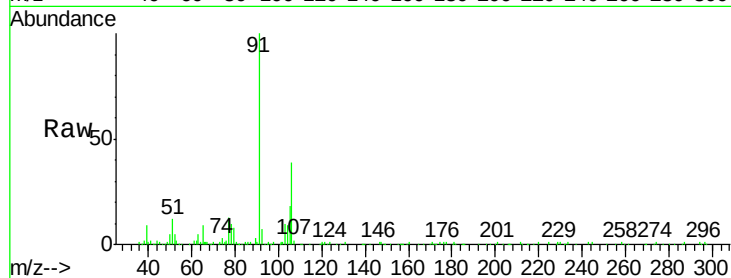




#68
o-Xylene
Concen: 1.96 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

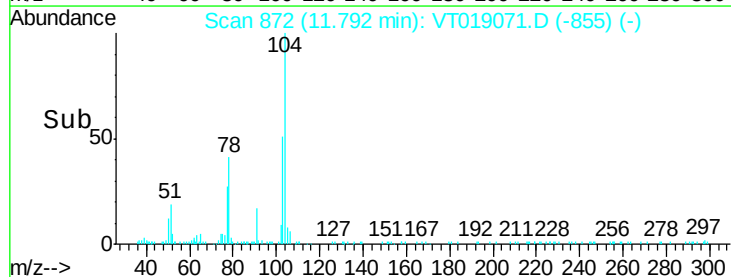
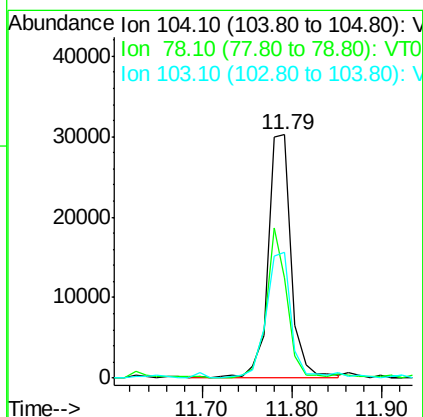
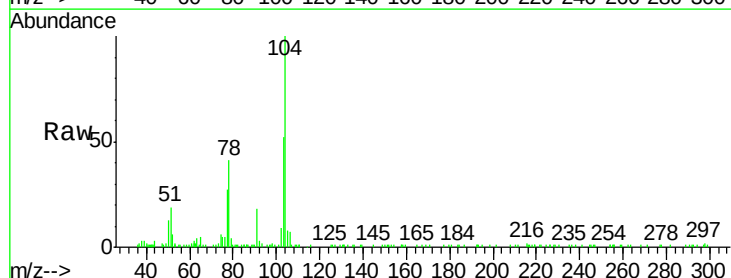
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

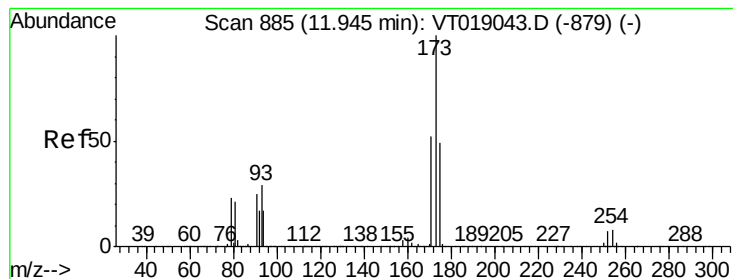
Tot Ion:106 Resp: 34102
Ion Ratio Lower Upper
106 100
91 257.8 116.0 348.0



#69
Styrene
Concen: 2.04 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion:104 Resp: 54948
Ion Ratio Lower Upper
104 100
78 41.3 38.0 57.0
103 51.9 40.6 61.0





#70

Bromoform

Concen: 1.70 ug/l

RT: 11.95 min Scan# 885

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

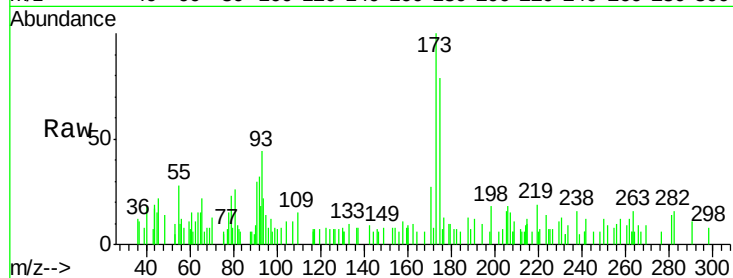
Tot Ion:173 Resp: 5448

Ion Ratio Lower Upper

173 100

175 78.5 24.6 73.8#

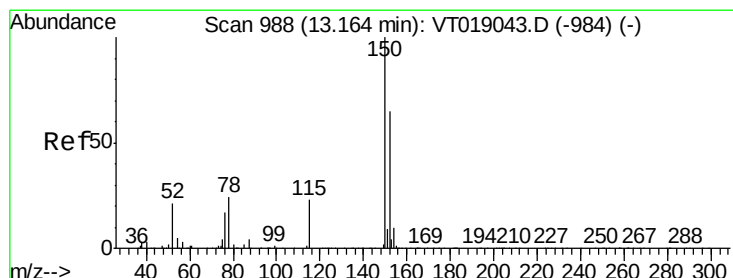
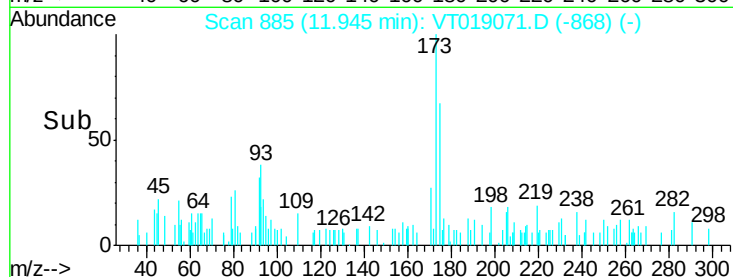
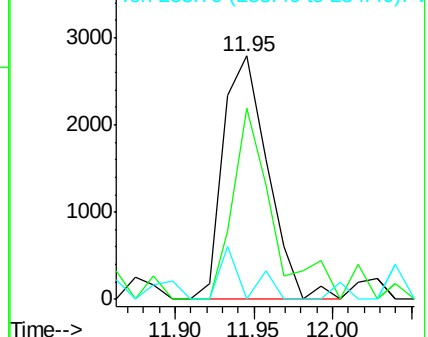
254 0.0 6.1 9.1#



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



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

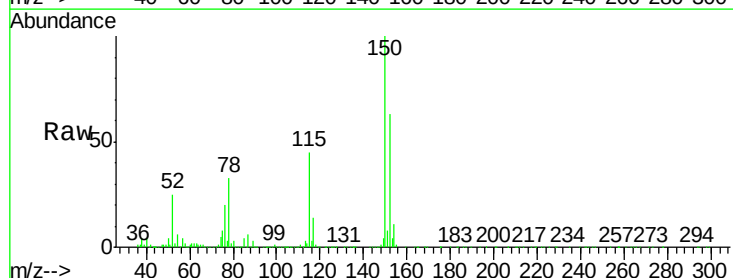
Tgt Ion:152 Resp: 555663

Ion Ratio Lower Upper

152 100

115 72.3 34.2 102.6

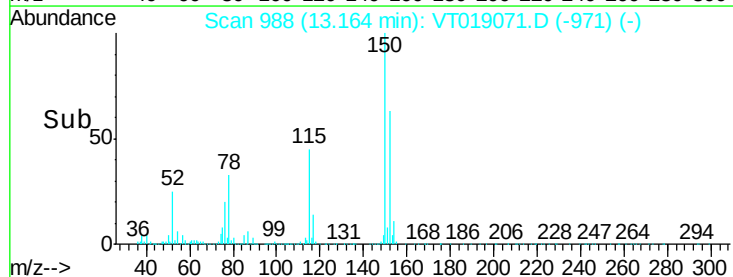
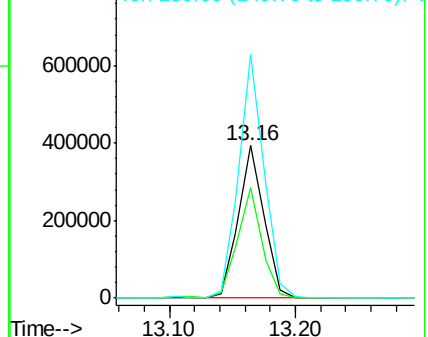
150 159.7 0.0 321.2

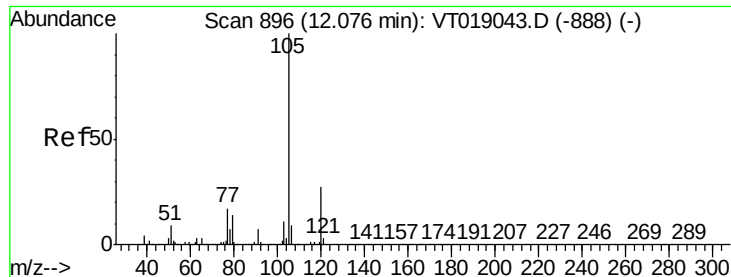


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#72

Isopropylbenzene

Concen: 2.29 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

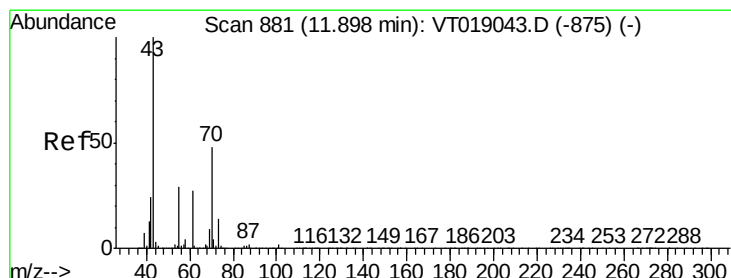
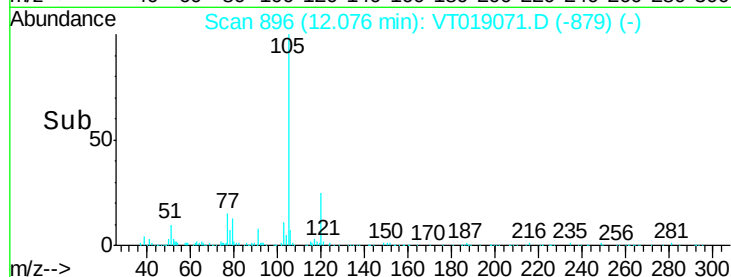
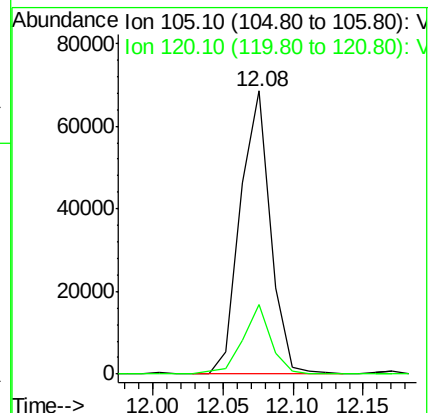
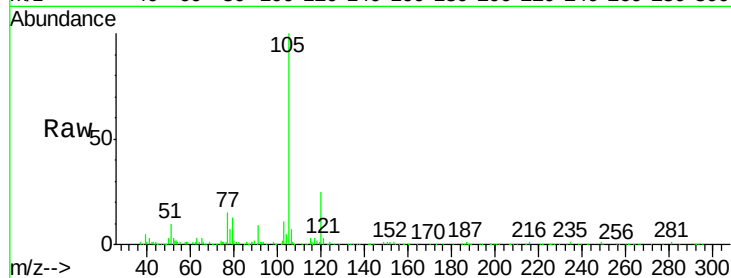
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion:105 Resp: 102648

Ion Ratio Lower Upper

105 100

120 24.5 13.6 40.8



#73

N-ethyl acetate

Concen: 2.55 ug/l

RT: 11.90 min Scan# 881

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Tgt Ion: 43 Resp: 18860

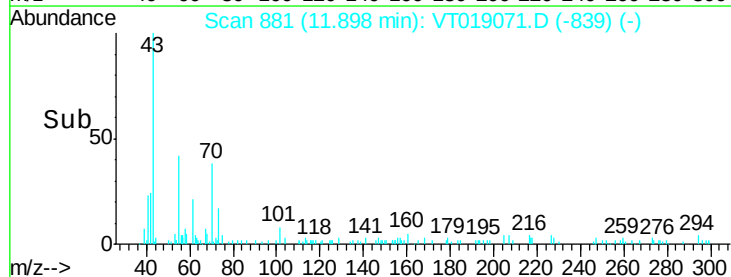
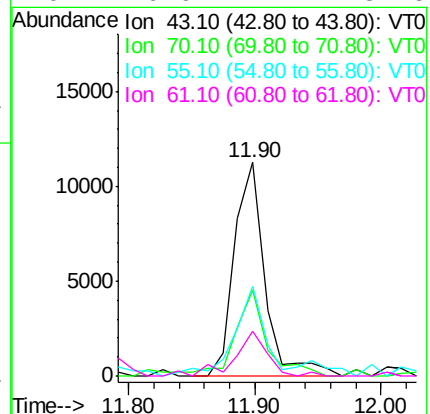
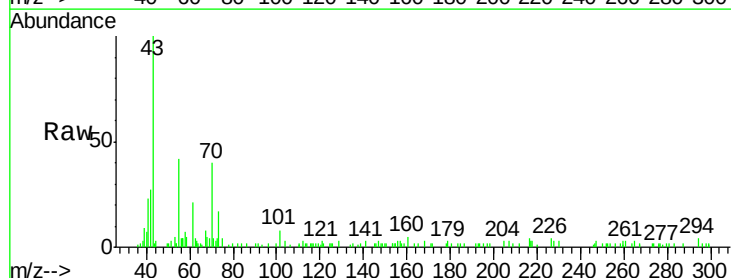
Ion Ratio Lower Upper

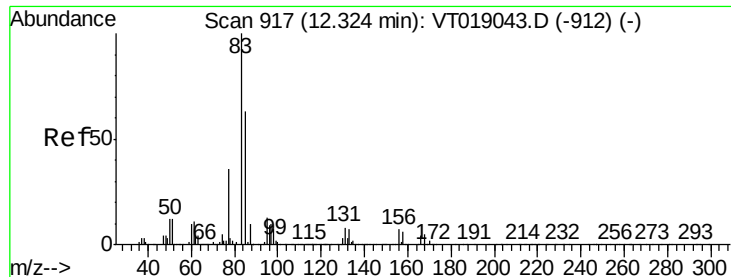
43 100

70 40.0 38.2 57.4

55 41.9 23.5 35.3#

61 20.9 21.7 32.5#





#74

1,1,2,2-Tetrachloroethane

Concen: 2.45 ug/l

RT: 12.32 min Scan# 917

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

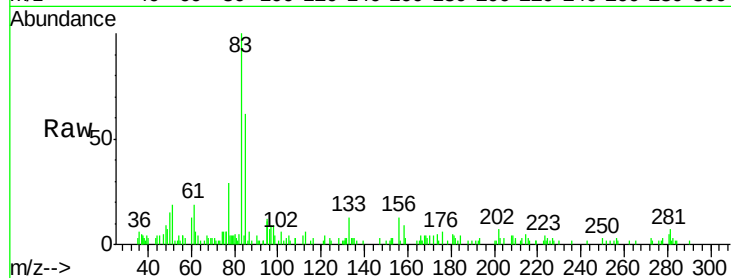
Tot Ion: 83 Resp: 16204

Ion Ratio Lower Upper

83 100

131 4.3 4.0 12.2

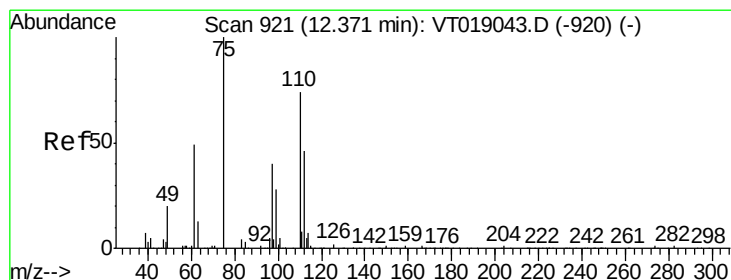
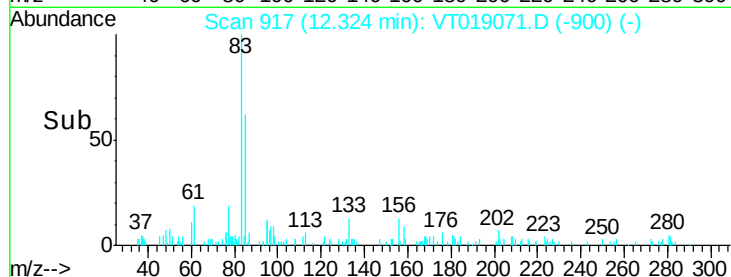
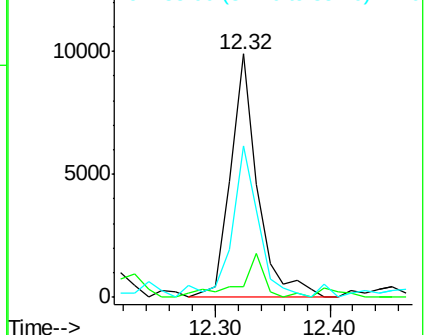
85 62.3 31.4 94.3



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: 3.74 ug/l

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019071.D

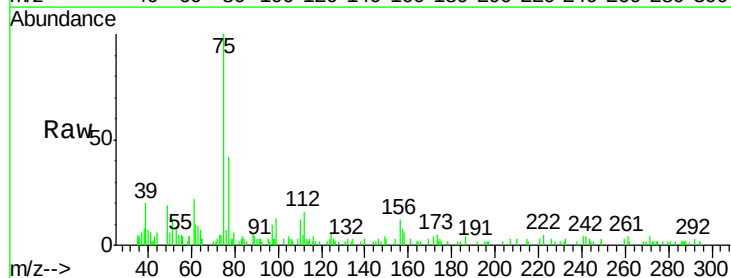
Acq: 10 May 2018 12:43

Tgt Ion: 75 Resp: 17689

Ion Ratio Lower Upper

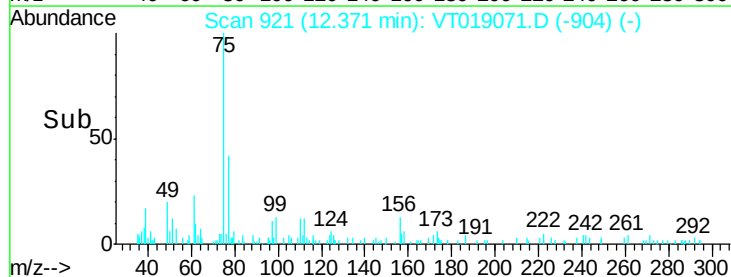
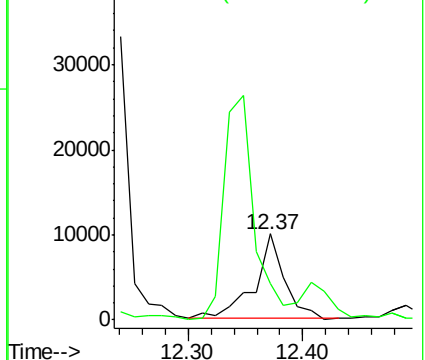
75 100

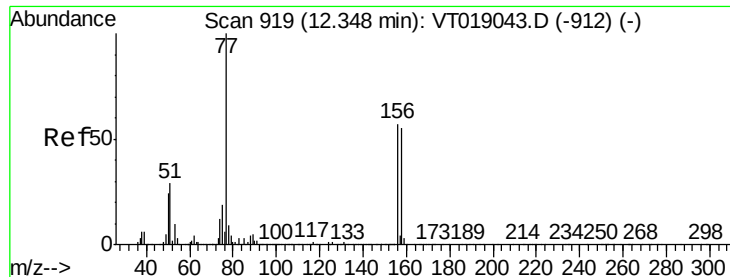
77 42.3 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0





#76

Bromobenzene

Concen: 2.57 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

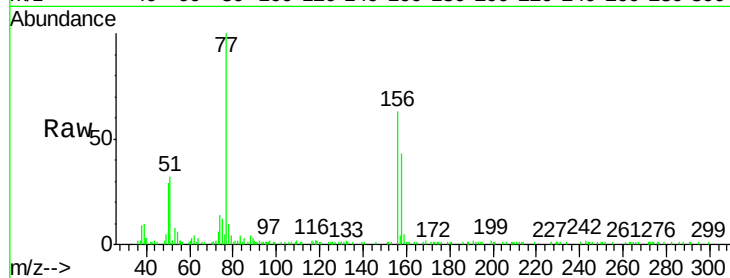
Tot Ion:156 Resp: 22833

Ion Ratio Lower Upper

156 100

77 159.6 87.8 263.4

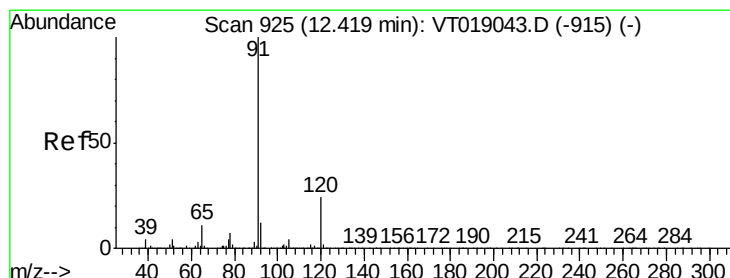
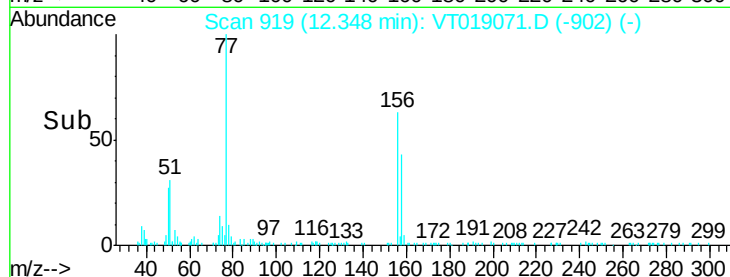
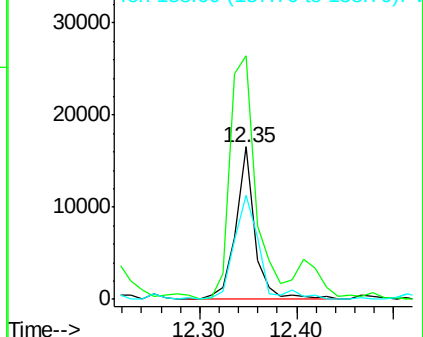
158 68.2 48.3 144.8



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: 3.36 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019071.D

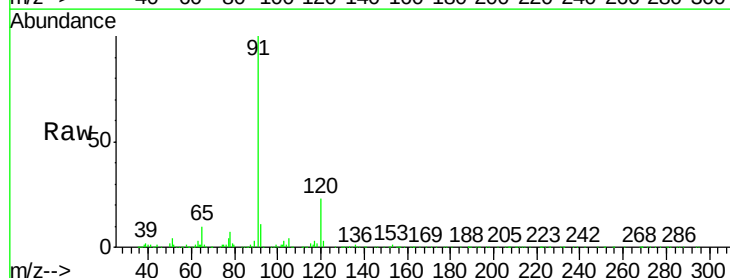
Acq: 10 May 2018 12:43

Tgt Ion: 91 Resp: 157305

Ion Ratio Lower Upper

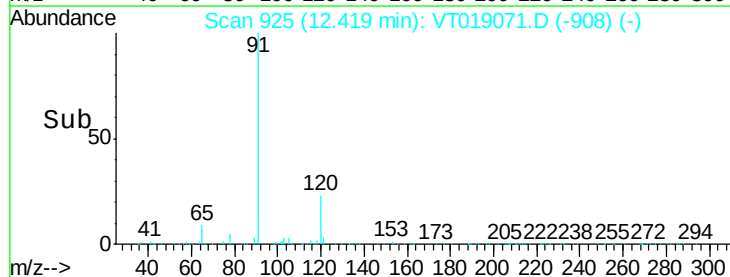
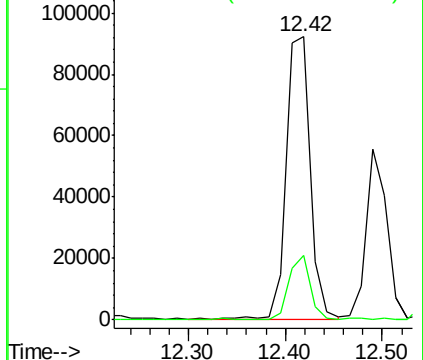
91 100

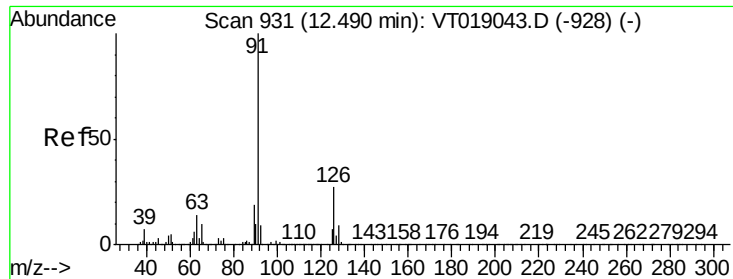
120 22.8 12.0 36.1



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 120.10 (119.80 to 120.80): V





#78

2-Chlorotoluene

Concen: 2.45 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

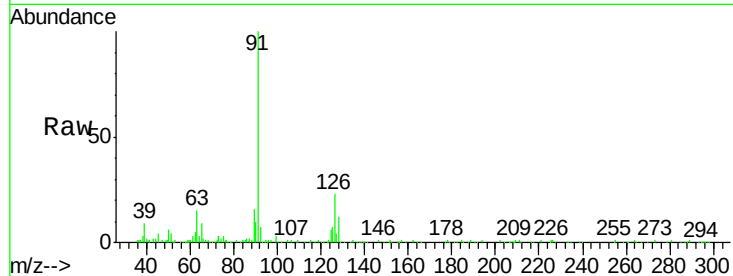
LOD-MDL-SOIL-01-QT2-2018DL

Tot Ion: 91 Resp: 80596

Ion Ratio Lower Upper

91 100

126 22.8 13.5 40.5



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 126.00 (125.70 to 126.70): V

100000

80000

60000

40000

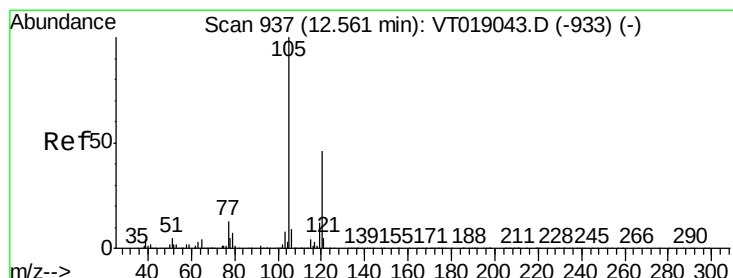
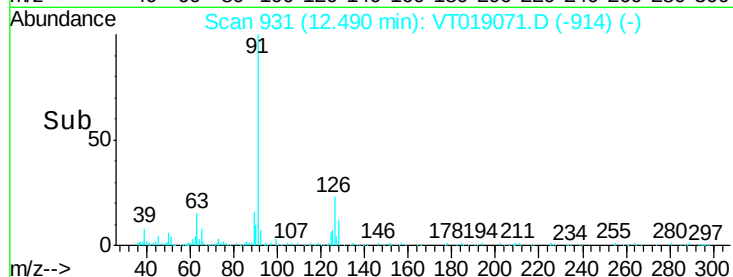
20000

0

12.45

12.50

Time-->



#79

1,3,5-Trimethylbenzene

Concen: 2.35 ug/l

RT: 12.56 min Scan# 937

Delta R.T. -0.00 min

Lab File: VT019071.D

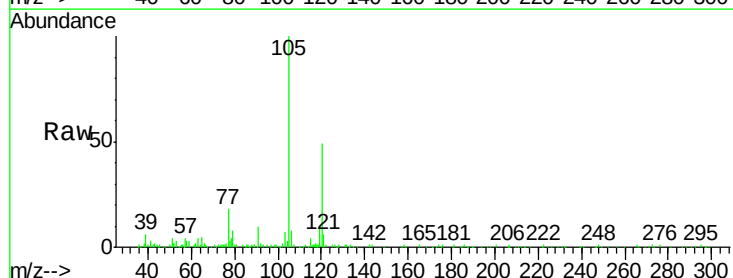
Acq: 10 May 2018 12:43

Tgt Ion:105 Resp: 91365

Ion Ratio Lower Upper

105 100

120 48.9 23.2 69.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

60000

40000

20000

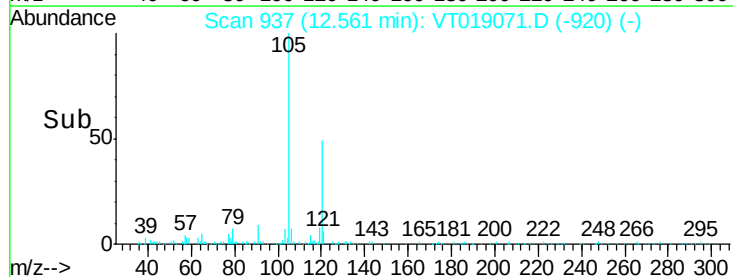
0

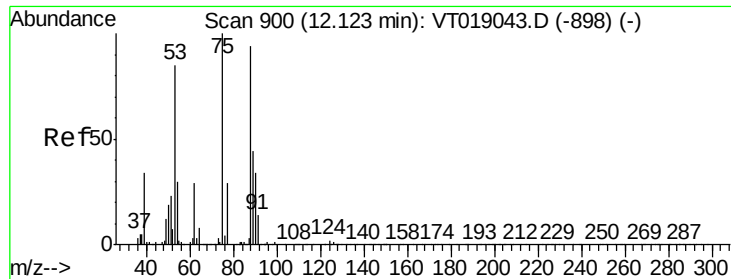
12.40

12.50

12.60

Time-->

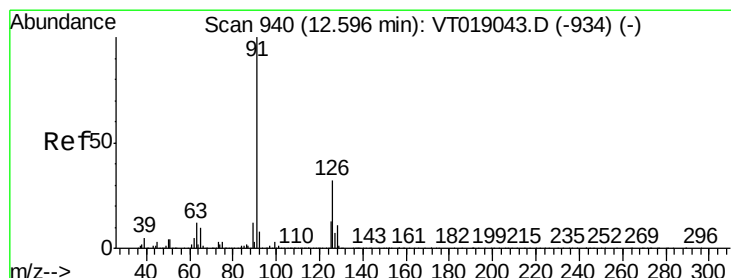
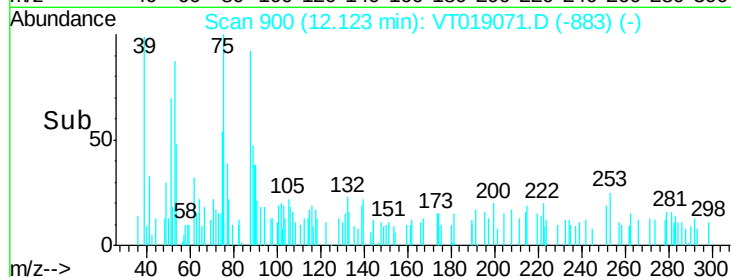
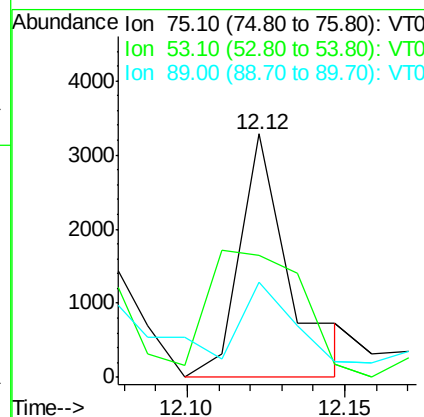
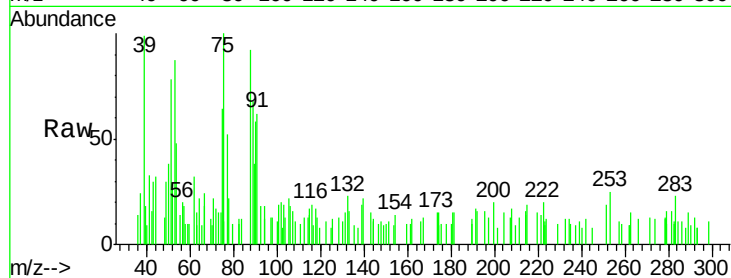




#80
trans-1,4-Dichloro-2-butene
Concen: 2.02 ug/l m
RT: 12.12 min Scan# 900
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

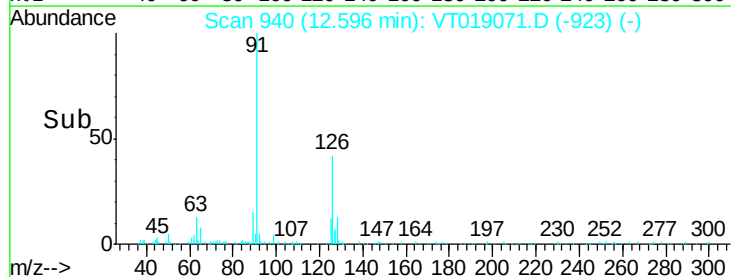
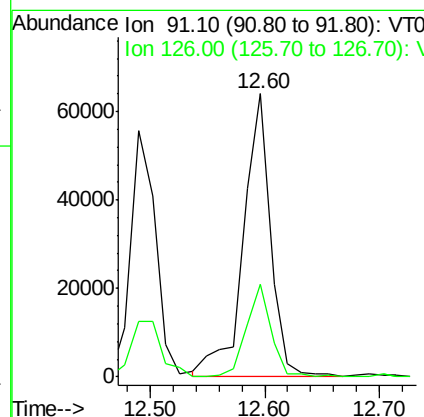
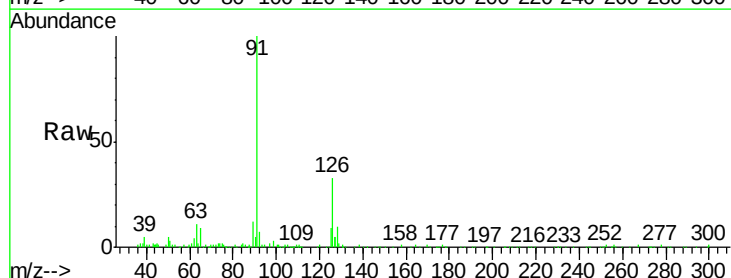
Instrument :
MSVOA_T
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018DL

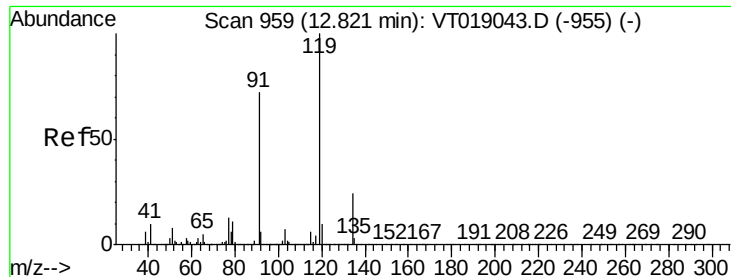
Tot Ion: 75 Resp: 3598
Ion Ratio Lower Upper
75 100
53 86.9 70.8 106.2
89 68.0 35.8 53.8#



#81
4-Chlorotoluene
Concen: 2.64 ug/l
RT: 12.60 min Scan# 940
Delta R.T. -0.00 min
Lab File: VT019071.D
Acq: 10 May 2018 12:43

Tgt Ion: 91 Resp: 105461
Ion Ratio Lower Upper
91 100
126 32.7 16.0 47.9





#82

tert-Butylbenzene

Concen: 2.70 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

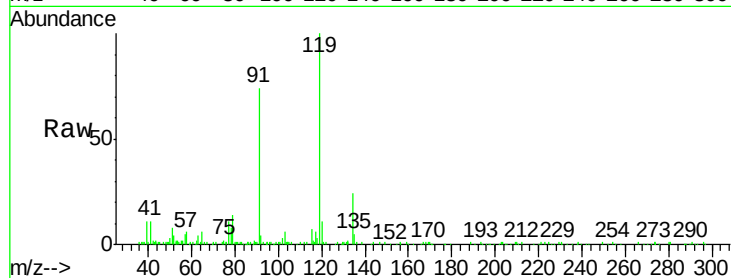
Tot Ion:119 Resp: 91655

Ion Ratio Lower Upper

119 100

91 74.3 36.1 108.3

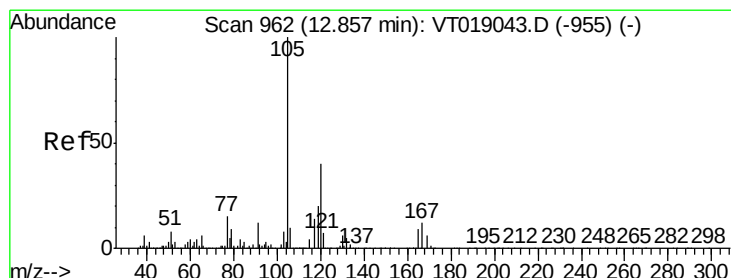
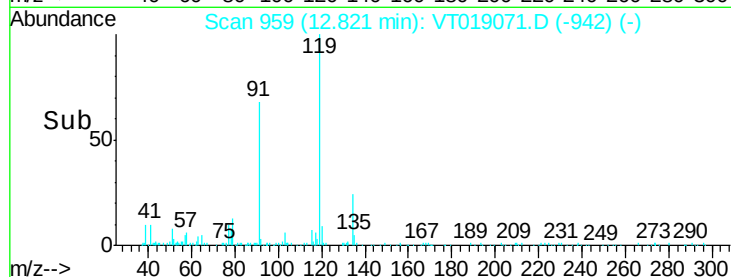
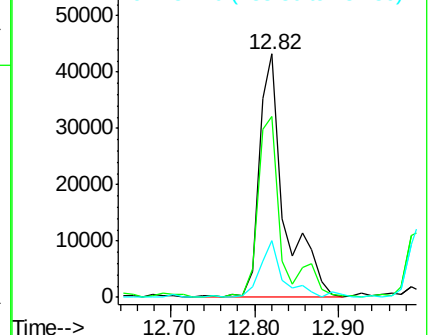
134 23.5 12.0 36.1



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 91.10 (90.80 to 91.80): VT0

Ion 134.10 (133.80 to 134.80): V



#83

1,2,4-Trimethylbenzene

Concen: 2.37 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019071.D

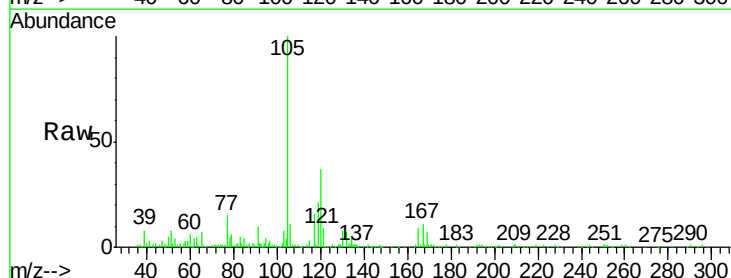
Acq: 10 May 2018 12:43

Tgt Ion:105 Resp: 93743

Ion Ratio Lower Upper

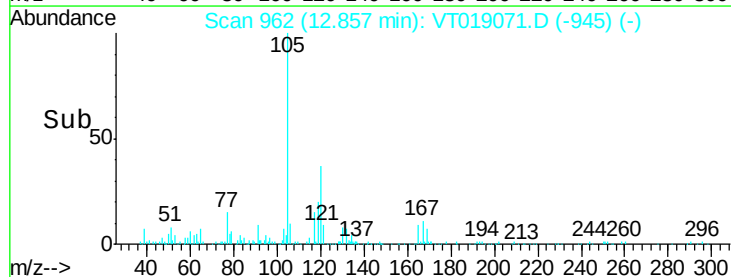
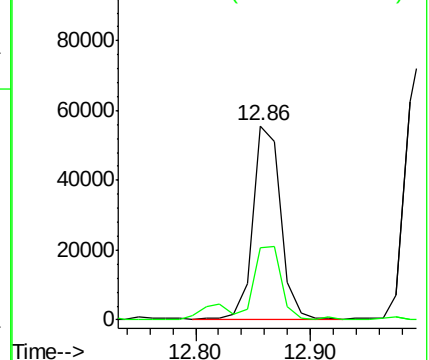
105 100

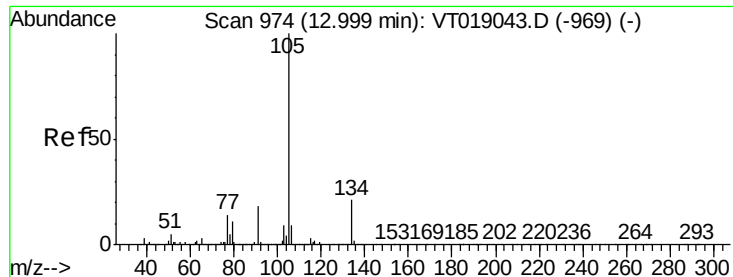
120 37.4 20.0 59.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

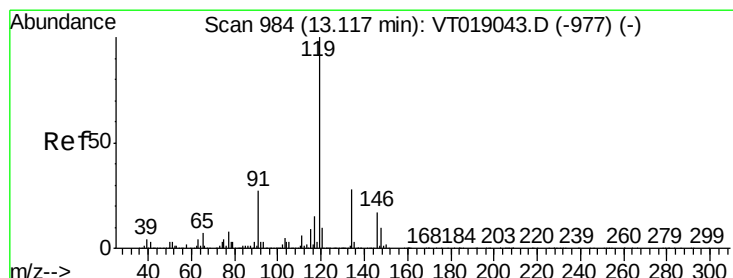
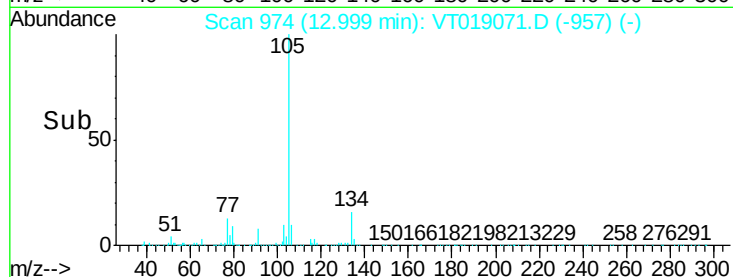
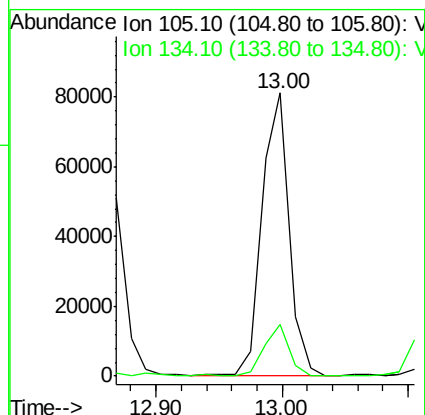
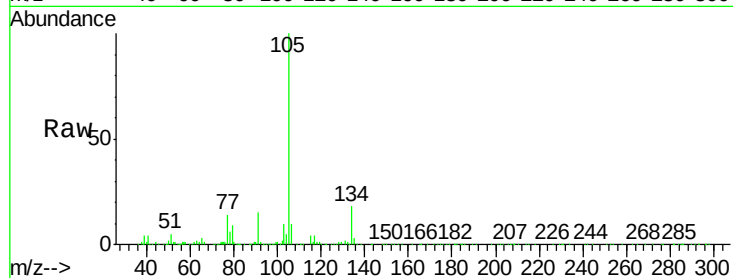




#84
 sec-Butylbenzene
 Concen: 2.54 ug/l
 RT: 13.00 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

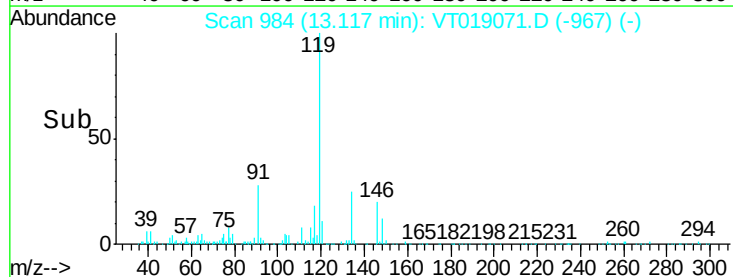
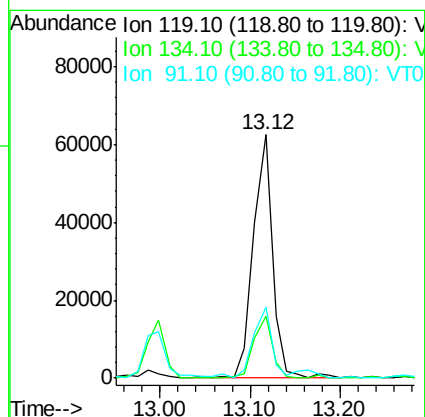
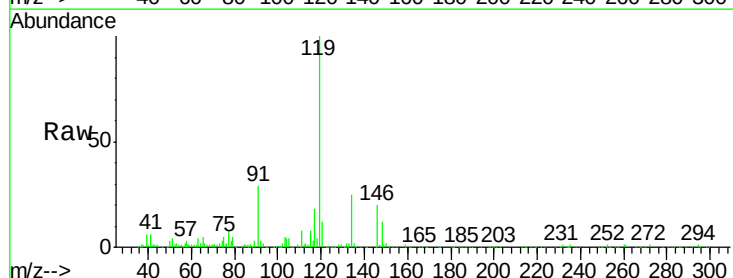
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

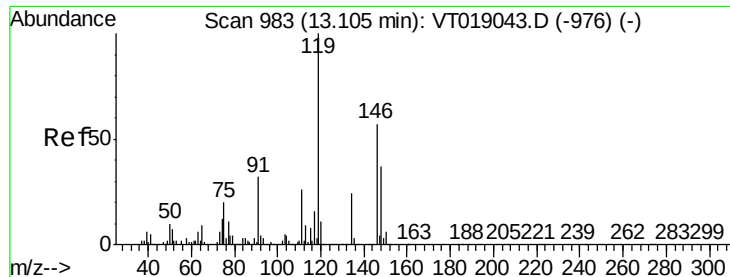
Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	10.4	31.2



#85
 p-Isopropyltoluene
 Concen: 2.33 ug/l
 RT: 13.12 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	14.1	42.3
91	28.9	13.5	40.4

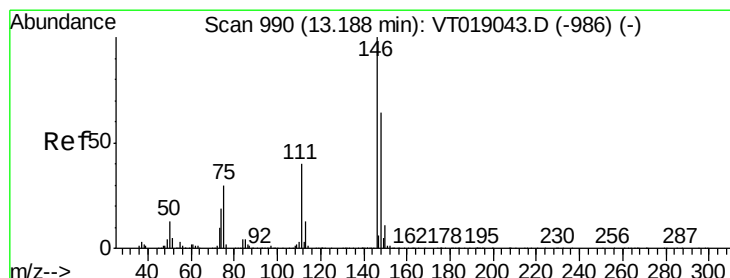
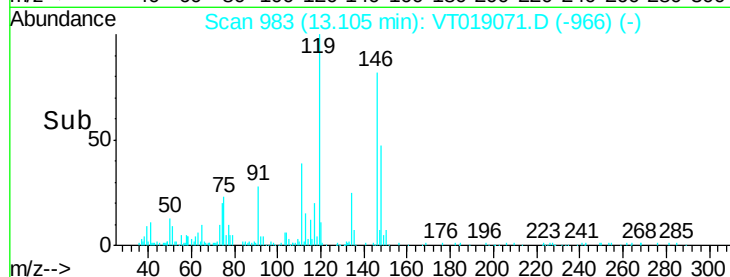
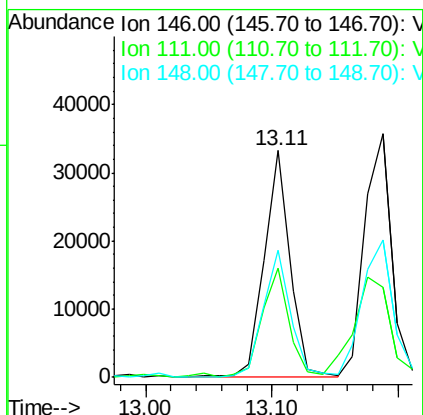
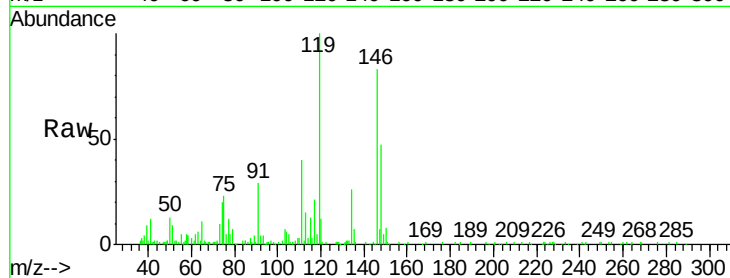




#86
 1,3-Dichlorobenzene
 Concen: 2.56 ug/l
 RT: 13.11 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

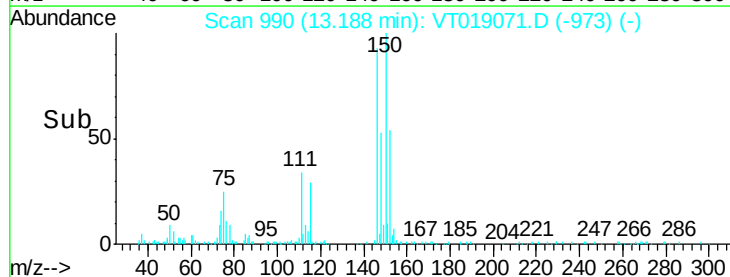
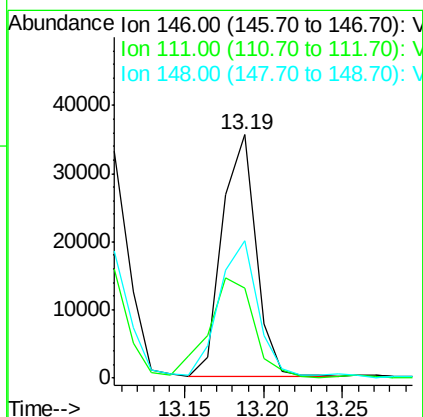
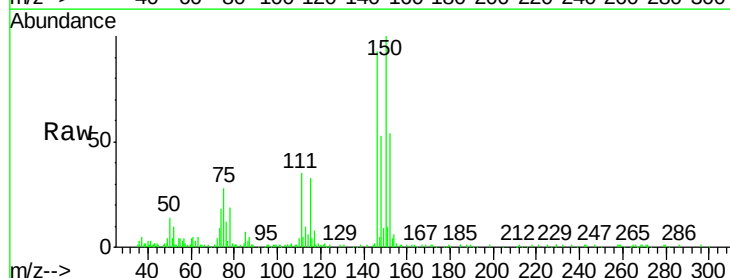
Instrument :
 MSVOA_T
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018DL

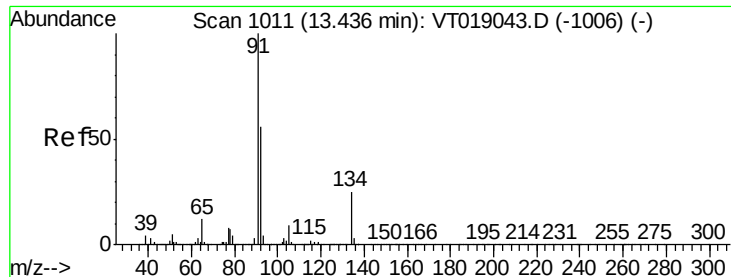
Tot Ion:146 Resp: 48018
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.1 69.2
 148 56.2 32.5 97.5



#87
 1,4-Dichlorobenzene
 Concen: 2.88 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019071.D
 Acq: 10 May 2018 12:43

Tgt Ion:146 Resp: 52464
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.3 60.8
 148 56.4 32.3 96.8





#88

n-Butylbenzene

Concen: 2.53 ug/l

RT: 13.44 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

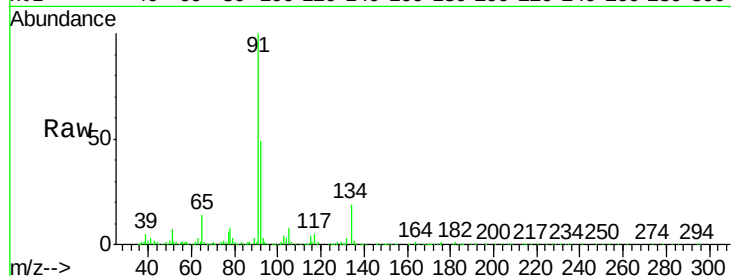
Tot Ion: 91 Resp: 109053

Ion Ratio Lower Upper

91 100

92 48.8 28.0 84.0

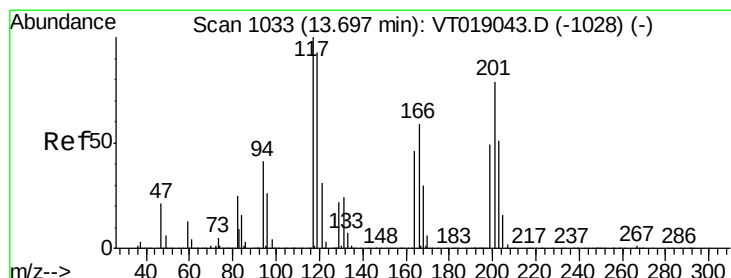
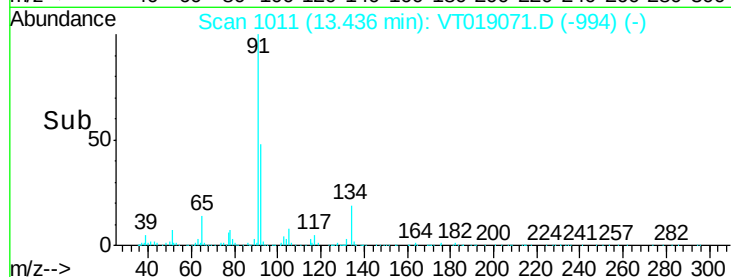
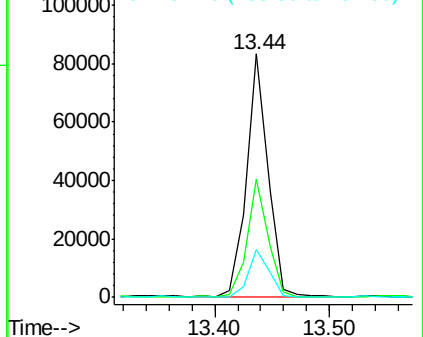
134 19.4 12.4 37.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 92.10 (91.80 to 92.80): VT0

Ion 134.10 (133.80 to 134.80): VT0



#89

Hexachloroethane

Concen: 2.25 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019071.D

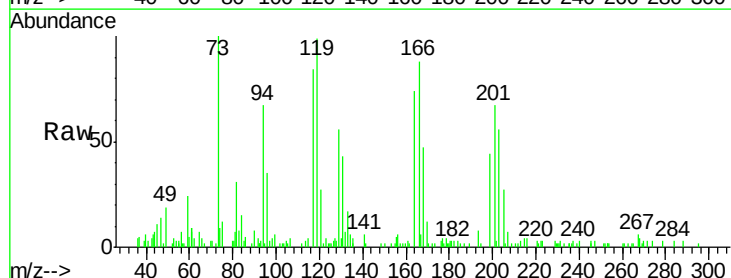
Acq: 10 May 2018 12:43

Tgt Ion: 117 Resp: 15687

Ion Ratio Lower Upper

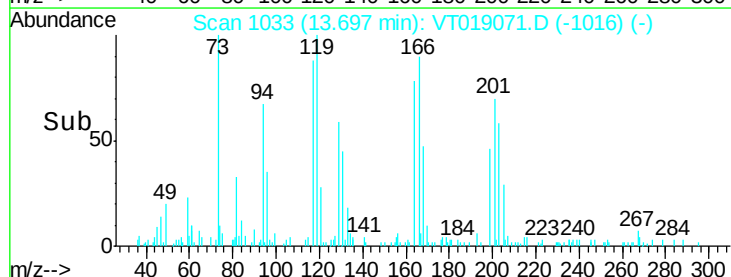
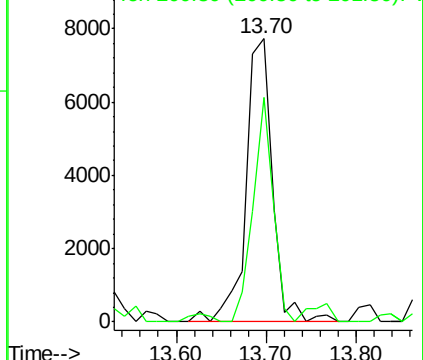
117 100

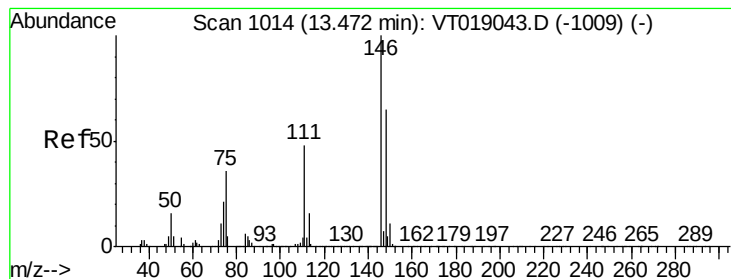
201 79.5 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): VT0

Ion 200.80 (200.50 to 201.50): VT0





#90

1,2-Dichlorobenzene

Concen: 2.42 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

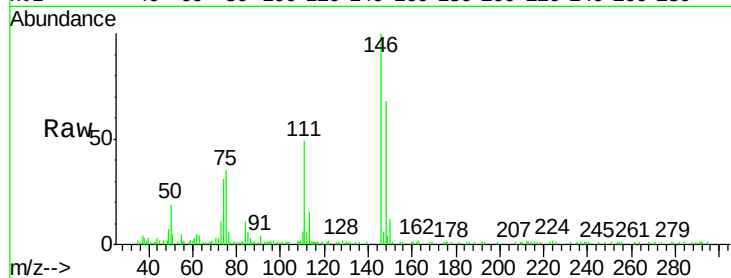
Tot Ion:146 Resp: 37976

Ion Ratio Lower Upper

146 100

111 49.4 23.8 71.2

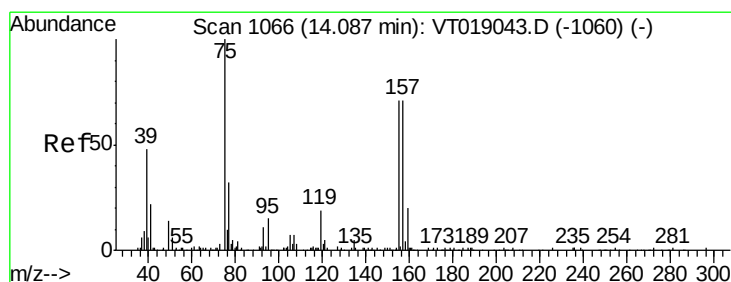
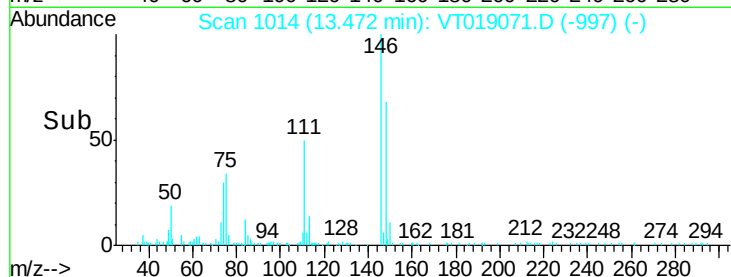
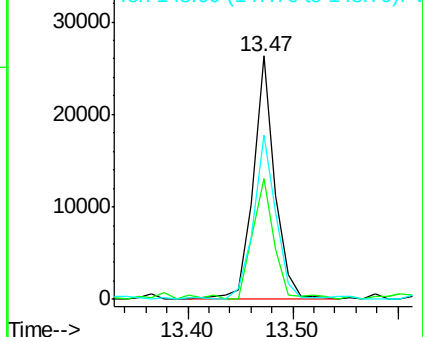
148 67.6 32.7 98.1



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: 2.67 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

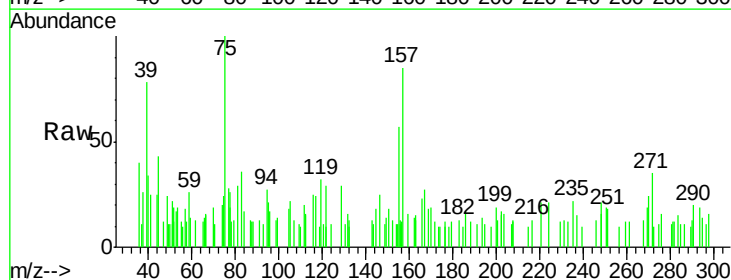
Tgt Ion: 75 Resp: 2540

Ion Ratio Lower Upper

75 100

155 70.1 35.6 106.8

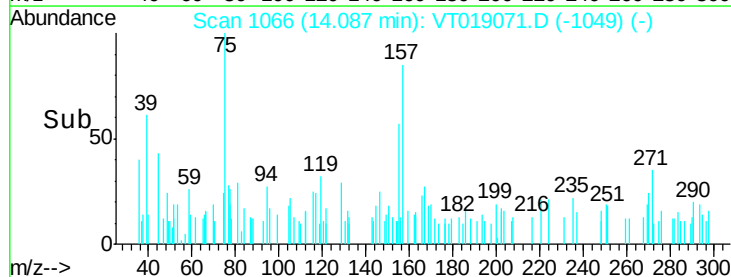
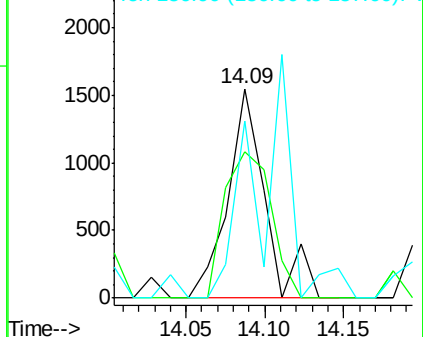
157 84.6 35.8 107.3

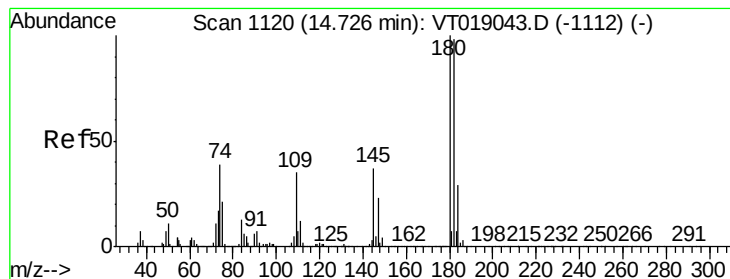


Abundance Ion 75.00 (74.70 to 75.70): VT0

Ion 154.90 (154.60 to 155.60): V

Ion 156.90 (156.60 to 157.60): V





#92

1,2,4-Trichlorobenzene

Concen: 2.64 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

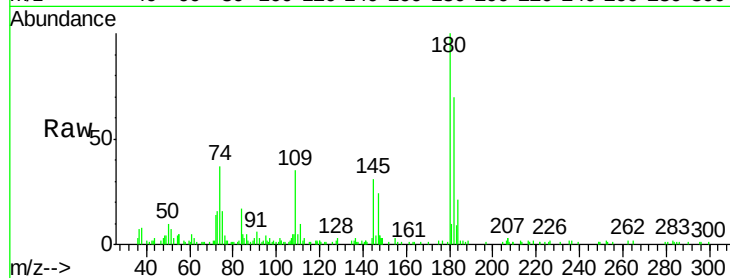
Tot Ion:180 Resp: 27600

Ion Ratio Lower Upper

180 100

182 70.4 49.0 147.0

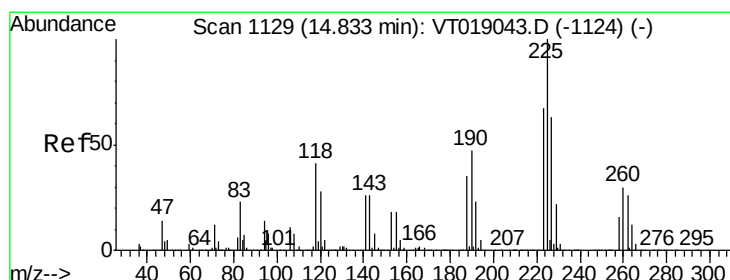
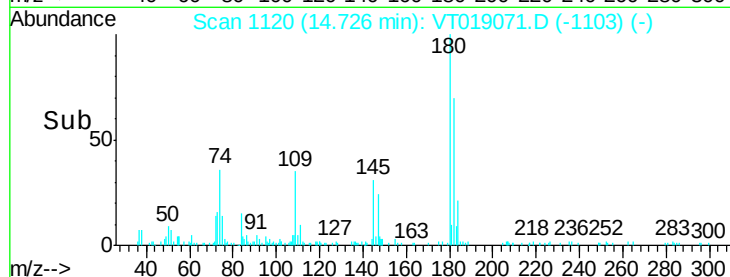
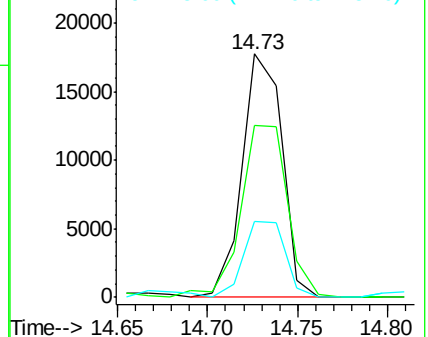
145 31.4 18.3 54.9



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



#93

Hexachlorobutadiene

Concen: 2.13 ug/l

RT: 14.83 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

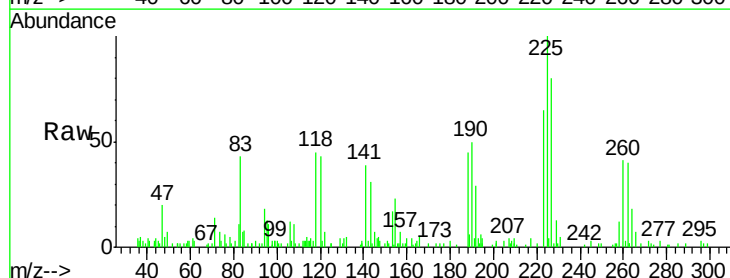
Tgt Ion:225 Resp: 16263

Ion Ratio Lower Upper

225 100

223 65.0 33.5 100.4

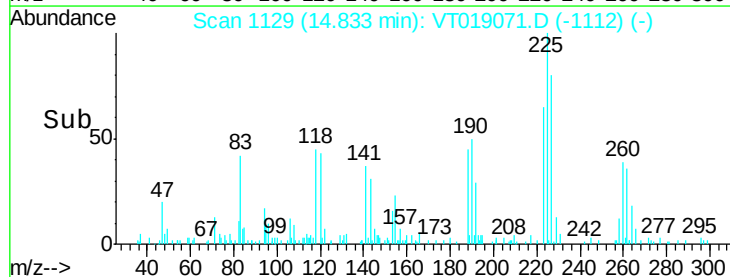
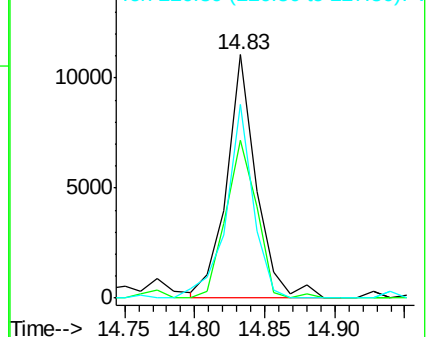
227 79.6 31.7 95.1

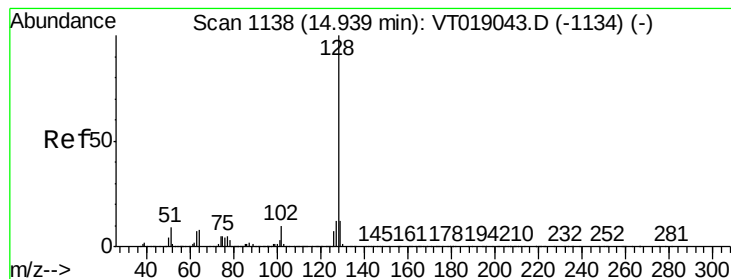


Abundance Ion 224.80 (224.50 to 225.50): V

Ion 222.80 (222.50 to 223.50): V

Ion 226.80 (226.50 to 227.50): V





#94

Naphthalene

Concen: 2.18 ug/l

RT: 14.94 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

Instrument :

MSVOA_T

ClientSampleId :

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

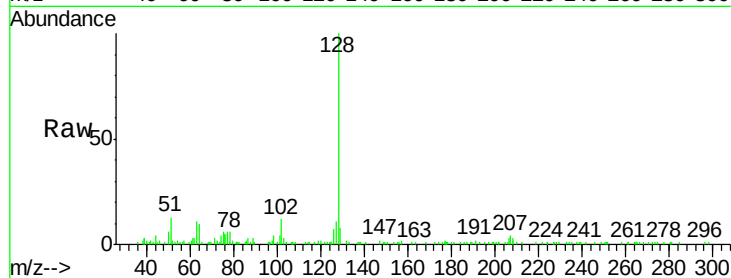
Tot Ion:128 Resp: 36854

Ion Ratio Lower Upper

128 100

127 11.0 9.9 14.9

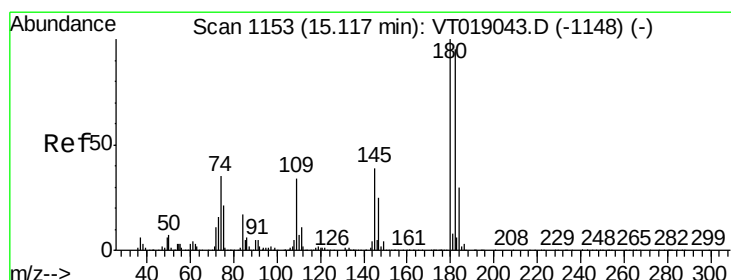
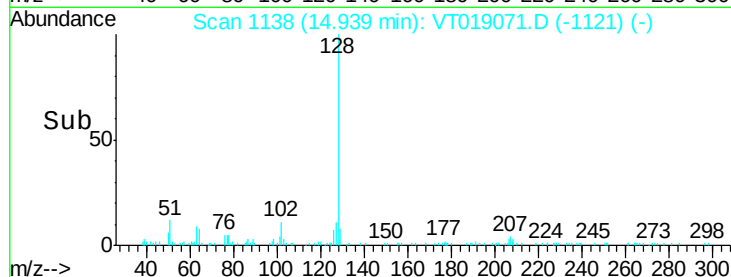
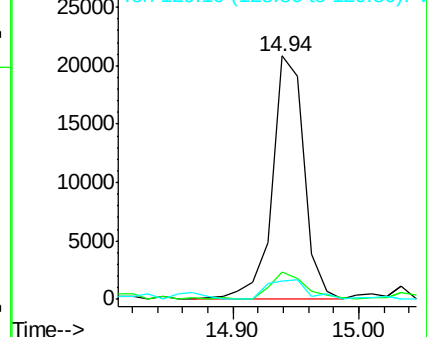
129 7.8 9.3 13.9#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#95

1,2,3-Trichlorobenzene

Concen: 2.67 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VT019071.D

Acq: 10 May 2018 12:43

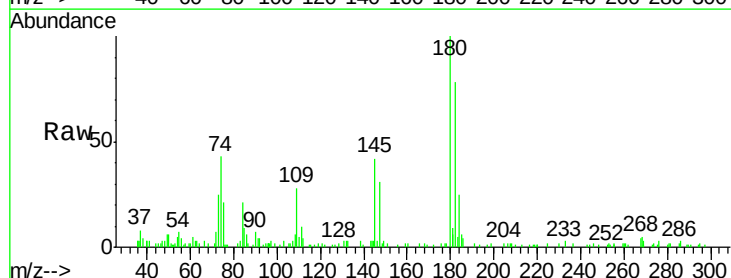
Tgt Ion:180 Resp: 23042

Ion Ratio Lower Upper

180 100

182 77.5 47.7 143.1

145 42.4 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

