

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
 Data File : VT019054.D
 Acq On : 9 May 2018 13:21
 Operator : SY/MD
 Sample : J2133-02L00
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Quant Time: May 10 11:59:22 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	1089931	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1867005	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1567541	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	720449	50.00	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.80	65	537446	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
34) Dibromofluoromethane	7.35	113	550282	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
49) Toluene-d8	9.91	98	2449182	54.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.22%	
61) 4-Bromofluorobenzene	12.22	95	885452	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.79	85	144989	10.40	ug/l	99
3) Chloromethane	1.96	50	62704	13.20	ug/l	99
4) Vinyl Chloride	2.10	62	74894	9.74	ug/l	91
5) Bromomethane	2.44	94	65801	10.49	ug/l	93
6) Chloroethane	2.57	64	48169	10.21	ug/l #	87
7) Trichlorofluoromethane	2.94	101	234668m	11.37	ug/l	
8) Diethyl Ether	3.21	74	35135	11.21	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.60	101	121017	12.09	ug/l #	82
10) Methyl Iodide	3.77	142	168884	11.63	ug/l #	87
11) Tert butyl alcohol	4.54	59	19947	38.12	ug/l	96
12) 1,1-Dichloroethene	3.54	96	104717	11.79	ug/l	97
13) Acrolein	3.40	56	12773	50.01	ug/l	85
14) Allyl chloride	4.06	41	210855	11.00	ug/l	93
15) Acrylonitrile	4.70	53	97417	48.33	ug/l	91
16) Acetone	3.60	43	59764	54.42	ug/l	98
17) Carbon Disulfide	4.06	76	108622	2.96	ug/l	99
18) Methyl Acetate	4.08	43	50876	9.02	ug/l #	87
19) Methyl tert-butyl Ether	4.76	73	211100	9.48	ug/l #	81
20) Methylene Chloride	4.30	84	131431	11.11	ug/l	94
21) trans-1,2-Dichloroethene	4.75	96	145053	11.06	ug/l	94
22) Diisopropyl ether	5.67	45	386161	10.86	ug/l	95
23) Vinyl Acetate	5.61	43	826135	52.34	ug/l	97
24) 1,1-Dichloroethane	5.56	63	276516	11.12	ug/l	99
25) 2-Butanone	6.57	43	129011	52.16	ug/l	90
26) 2,2-Dichloropropane	6.56	77	119111	11.87	ug/l	95
27) cis-1,2-Dichloroethene	6.56	96	136063	10.56	ug/l	98
28) Bromochloromethane	6.94	49	91448	11.08	ug/l	96
29) Chloroform	7.13	83	252428	10.85	ug/l	98
30) Cyclohexane	7.43	56	299820	11.13	ug/l #	95
31) 1,1,1-Trichloroethane	7.33	97	191457	10.65	ug/l	96
35) 1,1-Dichloropropene	7.57	75	234940	10.92	ug/l	99
36) Ethyl Acetate	6.67	43	51170	9.23	ug/l #	92
37) Carbon Tetrachloride	7.54	117	172661	9.82	ug/l	95
38) Methylcyclohexane	8.88	83	277243	10.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	641122	11.41	ug/l #	77
40) Methacrylonitrile	6.96	41	74071	24.37	ug/l #	41
41) 1,2-Dichloroethane	7.91	62	123347	10.10	ug/l	97
42) Isopropyl Acetate	7.96	43	90231	9.45	ug/l #	90
43) Trichloroethene	8.63	130	136711	10.58	ug/l	93
44) 1,2-Dichloropropane	8.93	63	138588	10.52	ug/l	97
45) Dibromomethane	9.01	93	53422	10.31	ug/l #	87
46) Bromodichloromethane	9.21	83	148901	9.89	ug/l	97
47) Methyl methacrylate	9.01	41	48621	9.85	ug/l	98
48) 1,4-Dioxane	9.01	88	11129	177.61	ug/l	93
50) 4-Methyl-2-Pentanone	9.80	43	254133	48.54	ug/l	96
51) Toluene	9.97	92	359859	11.08	ug/l	99
52) t-1,3-Dichloropropene	10.21	75	128338	9.38	ug/l	94
53) cis-1,3-Dichloropropene	9.65	75	166295	9.54	ug/l	97
54) 1,1,2-Trichloroethane	10.38	97	79793	10.14	ug/l	92
55) Ethyl methacrylate	10.25	69	84212	8.94	ug/l	99
56) 1,3-Dichloropropane	10.53	76	137801	9.79	ug/l	93
57) 2-Chloroethyl Vinyl ether	9.51	63	219328	50.50	ug/l	100
58) 2-Hexanone	10.57	43	196142	51.67	ug/l	99
59) Dibromochloromethane	10.73	129	73120	8.94	ug/l	99
60) 1,2-Dibromoethane	10.82	107	69316	10.20	ug/l	86
63) Tetrachloroethene	10.45	164	108910	10.15	ug/l	98
64) Chlorobenzene	11.25	112	354947	10.93	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.33	131	104227	9.89	ug/l	93
66) Ethyl Benzene	11.33	91	742210	11.92	ug/l	99
67) m/p-Xylenes	11.45	106	525967	22.72	ug/l	90
68) o-Xylene	11.77	106	234434	10.79	ug/l	81
69) Stvrene	11.79	104	361205	10.74	ug/l	96
70) Bromoform	11.95	173	35205	8.79	ug/l	92
72) Isopropylbenzene	12.08	105	715404	12.30	ug/l	96
73) N-amyl acetate	11.90	43	99643	10.39	ug/l #	95
74) 1,1,2,2-Tetrachloroethane	12.32	83	92416	10.80	ug/l	96
75) 1,2,3-Trichloropropane	12.37	75	63282m	10.33	ug/l	
76) Bromobenzene	12.35	156	124415	10.80	ug/l	84
77) n-propylbenzene	12.42	91	938358	11.28	ug/l	95
78) 2-Chlorotoluene	12.49	91	504572	11.82	ug/l	100
79) 1,3,5-Trimethylbenzene	12.56	105	624159	12.36	ug/l	96
80) trans-1,4-Dichloro-2-buten	12.12	75	21519	9.34	ug/l	86
81) 4-Chlorotoluene	12.60	91	613705	11.83	ug/l	95
82) tert-Butylbenzene	12.82	119	605871	13.77	ug/l	98
83) 1,2,4-Trimethylbenzene	12.86	105	625623	12.22	ug/l	96
84) sec-Butylbenzene	13.00	105	794013	12.81	ug/l	94
85) p-Isopropyltoluene	13.12	119	635912	12.20	ug/l	98
86) 1,3-Dichlorobenzene	13.10	146	267037	10.99	ug/l	98
87) 1,4-Dichlorobenzene	13.19	146	268366	11.36	ug/l	94
88) n-Butylbenzene	13.44	91	684892	12.26	ug/l	94
89) Hexachloroethane	13.70	117	97208	10.75	ug/l	85
90) 1,2-Dichlorobenzene	13.47	146	223476	11.00	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	13870	11.24	ug/l	68
92) 1,2,4-Trichlorobenzene	14.73	180	134037	9.87	ug/l	95

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Quant Title : SW846 8260
QLast Update : Thu May 10 07:01:04 2018
Response via : Initial Calibration

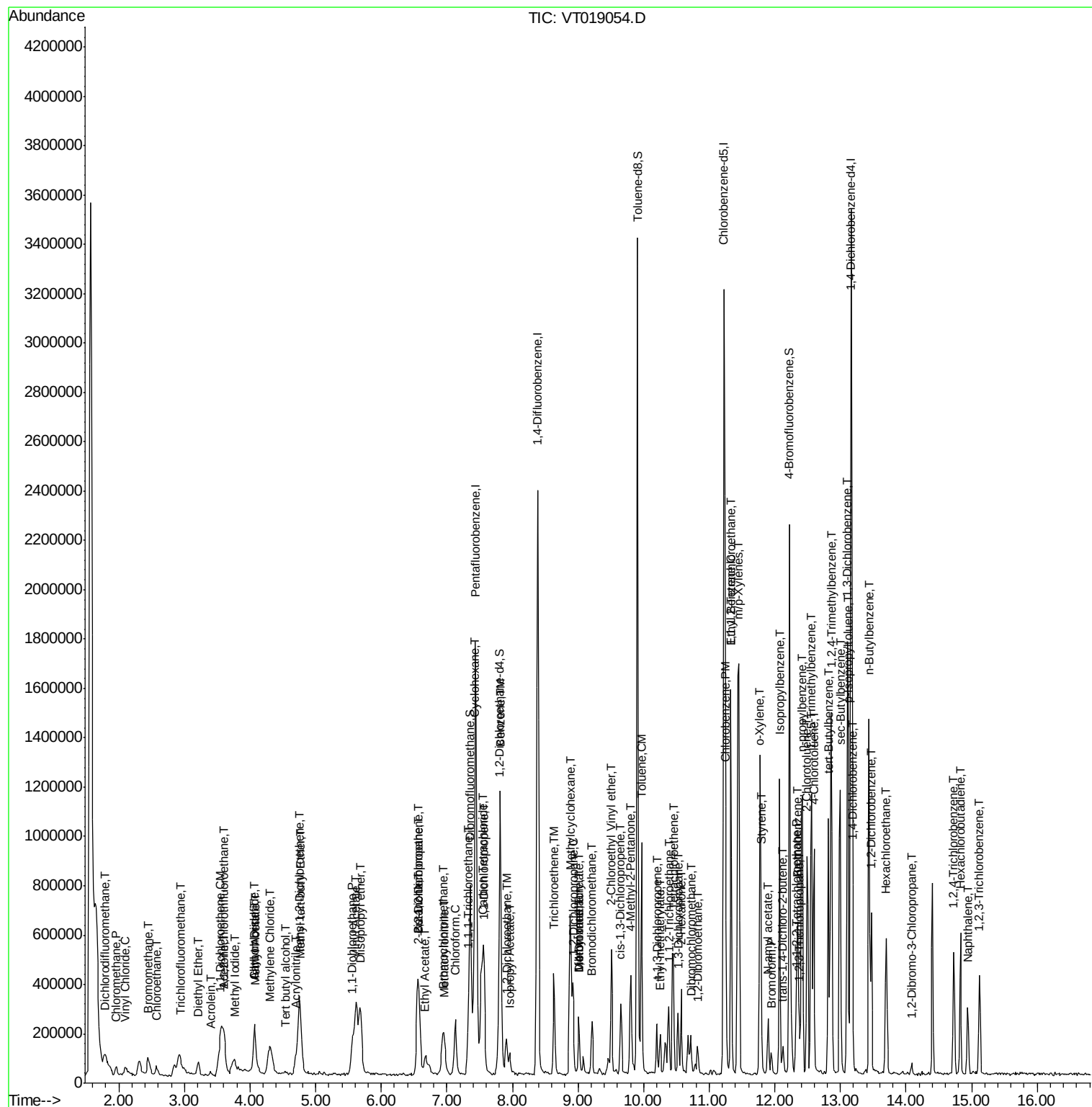
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	101561	10.24	ug/l	95
94) Naphthalene	14.94	128	191042	8.71	ug/l	97
95) 1,2,3-Trichlorobenzene	15.12	180	107789	9.62	ug/l	98

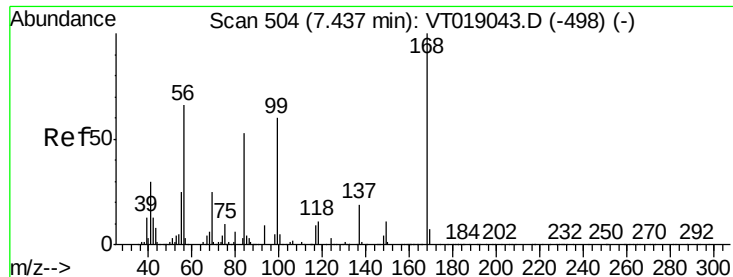
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

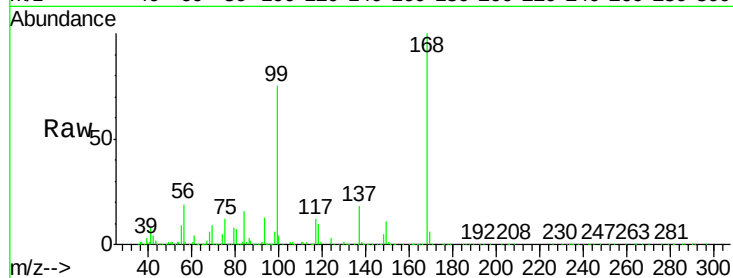
LOQ-SOIL-02-QT2-2018

Tot Ion:168 Resp: 1089931

Ion Ratio Lower Upper

168 100

99 74.8 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.44

400000

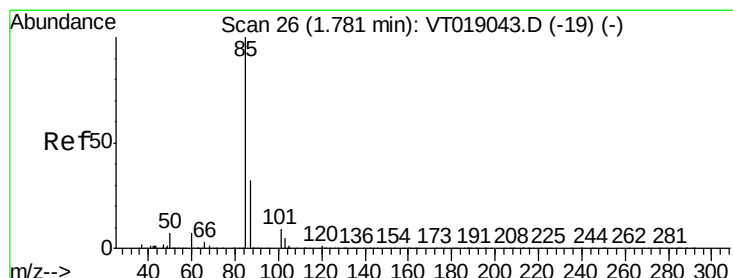
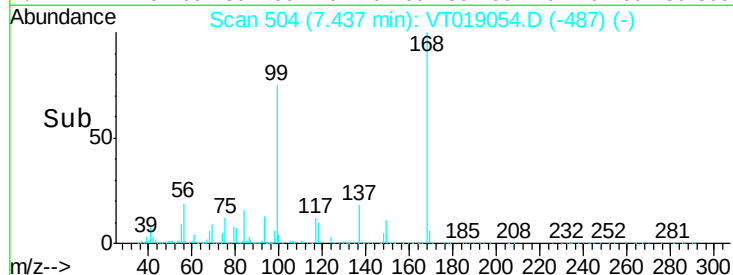
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.40 ug/l

RT: 1.79 min Scan# 27

Delta R.T. 0.01 min

Lab File: VT019054.D

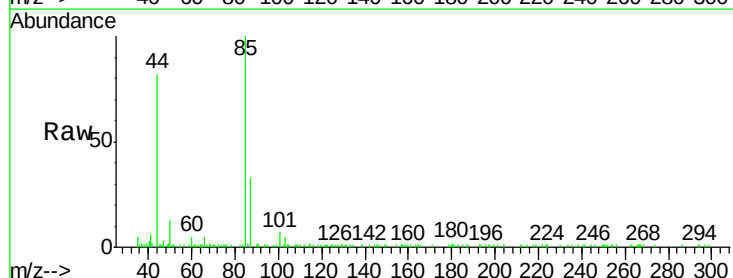
Acq: 9 May 2018 13:21

Tgt Ion: 85 Resp: 144989

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.79

30000

25000

20000

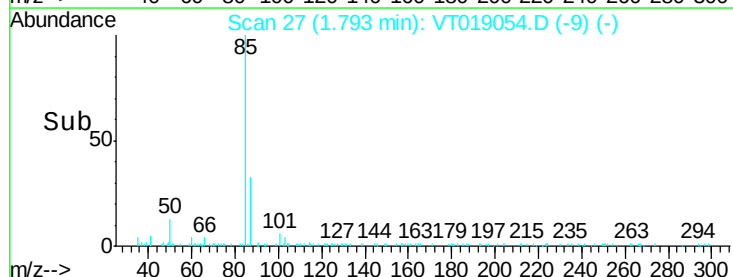
15000

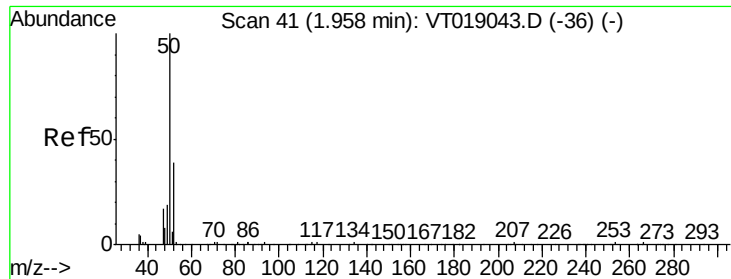
10000

5000

0

Time-->





#3

Chloromethane

Concen: 13.20 ug/l

RT: 1.96 min Scan# 41

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

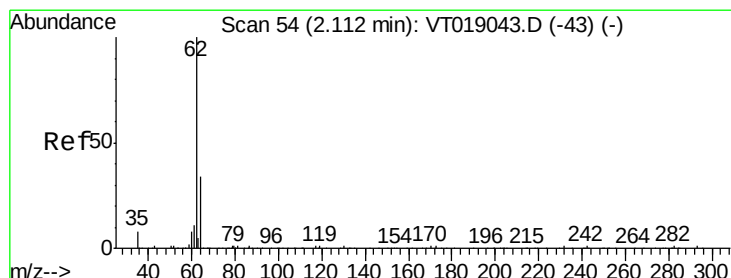
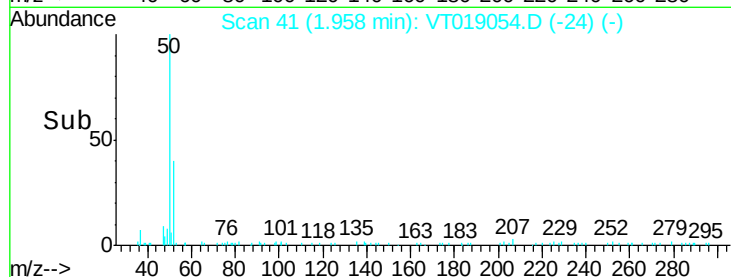
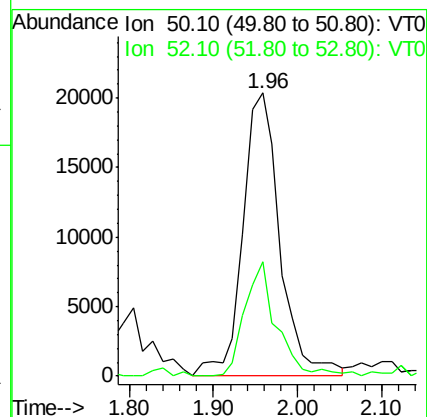
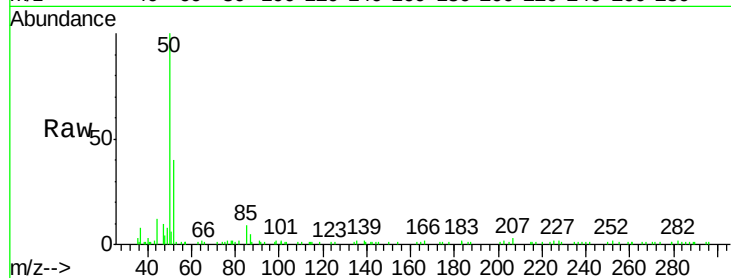
LOQ-SOIL-02-QT2-2018

Tot Ion: 50 Resp: 62704

Ion Ratio Lower Upper

50 100

52 38.2 30.1 45.1



#4

Vinyl Chloride

Concen: 9.74 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019054.D

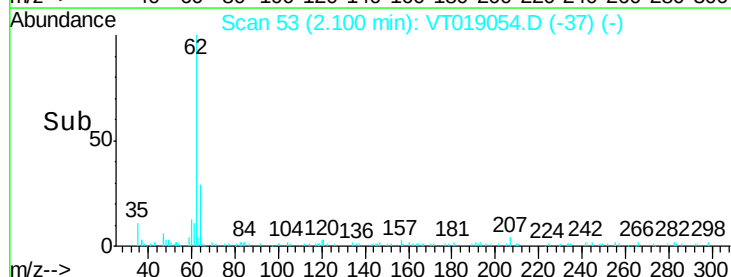
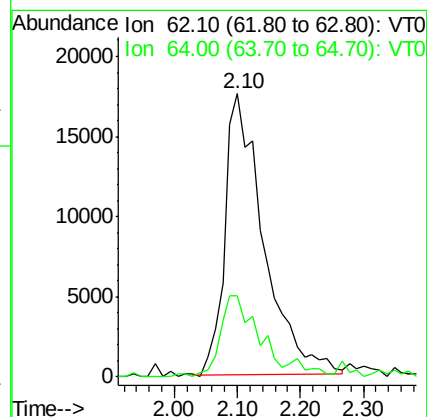
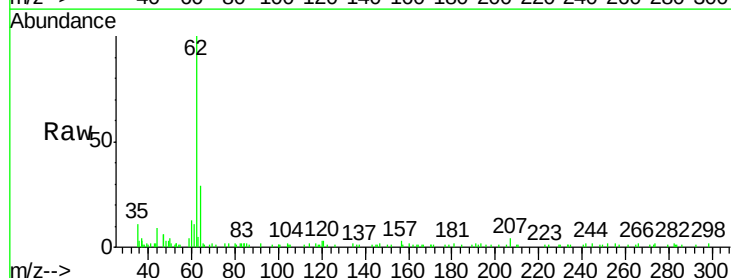
Acq: 9 May 2018 13:21

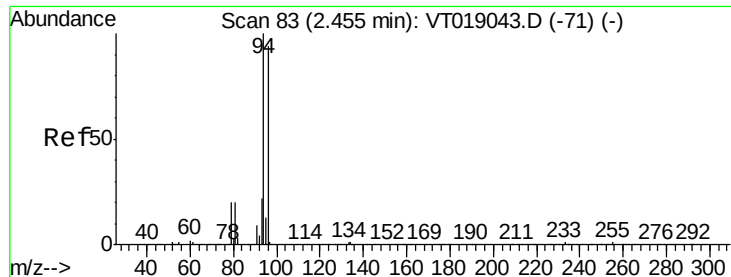
Tgt Ion: 62 Resp: 74894

Ion Ratio Lower Upper

62 100

64 28.8 27.0 40.4





#5

Bromomethane

Concen: 10.49 ug/l

RT: 2.44 min Scan# 82

Delta R.T. -0.01 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

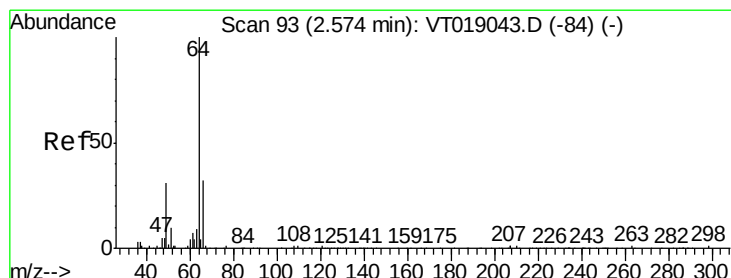
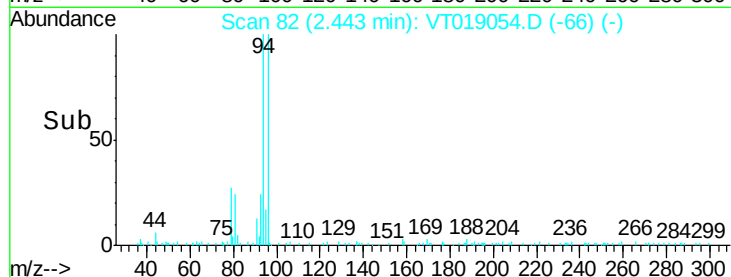
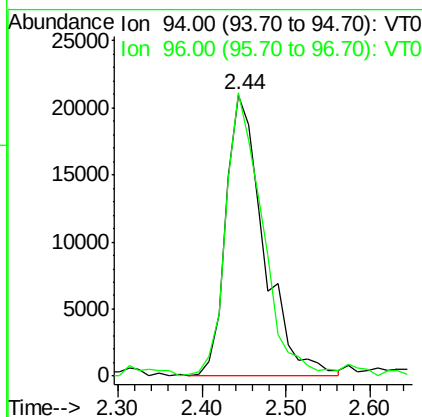
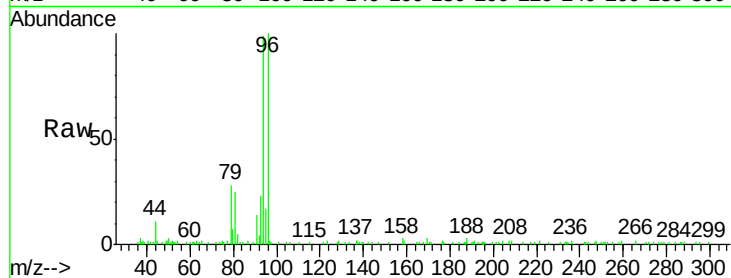
LOQ-SOIL-02-QT2-2018

Tot Ion: 94 Resp: 65801

Ion Ratio Lower Upper

94 100

96 100.7 75.3 112.9



#6

Chloroethane

Concen: 10.21 ug/l

RT: 2.57 min Scan# 93

Delta R.T. -0.00 min

Lab File: VT019054.D

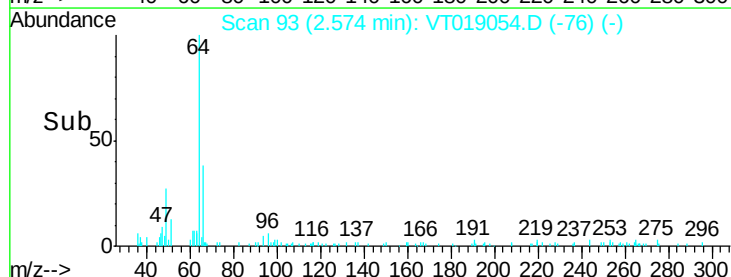
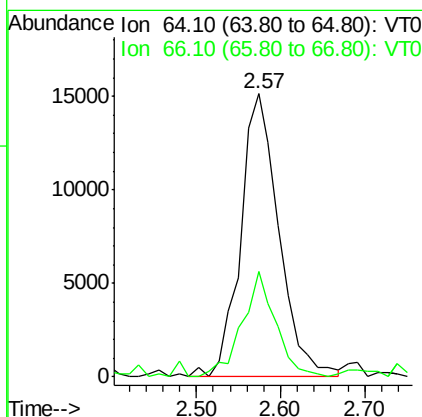
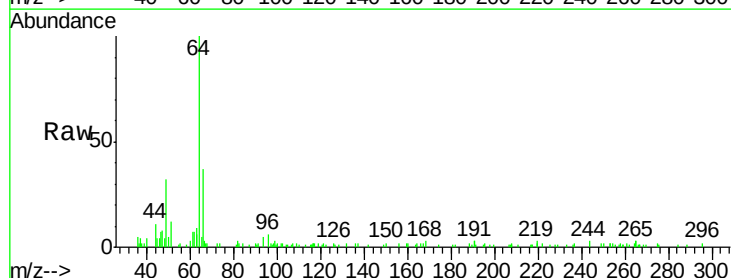
Acq: 9 May 2018 13:21

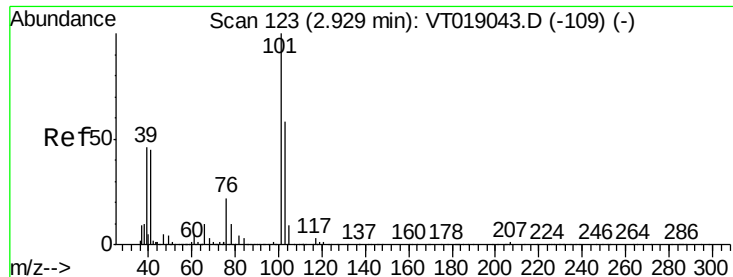
Tgt Ion: 64 Resp: 48169

Ion Ratio Lower Upper

64 100

66 39.8 25.8 38.8#



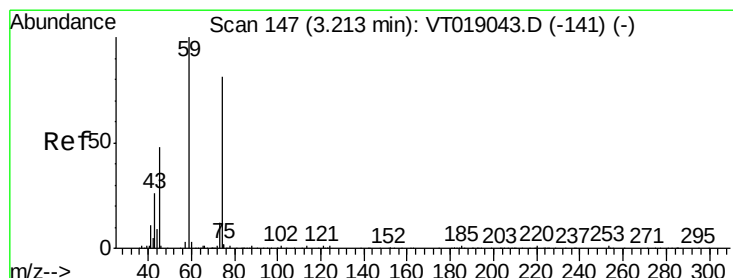
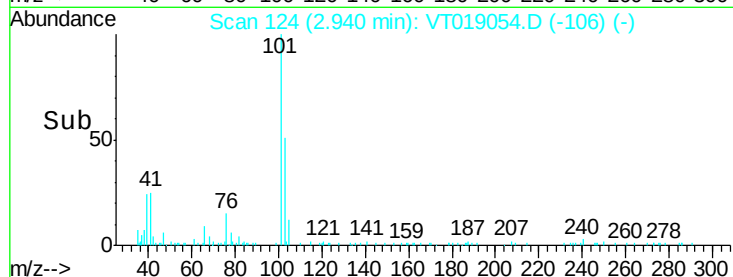
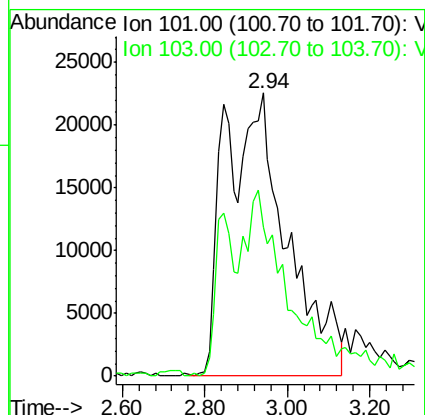
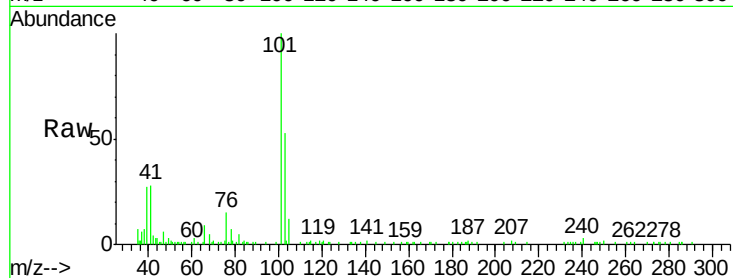


#7

Trichlorofluoromethane
Concen: 11.37 ug/l m
RT: 2.94 min Scan# 124
Delta R.T. 0.01 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Instrument :
MSVOA_T
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LOQ-SOIL-02-QT2-2018

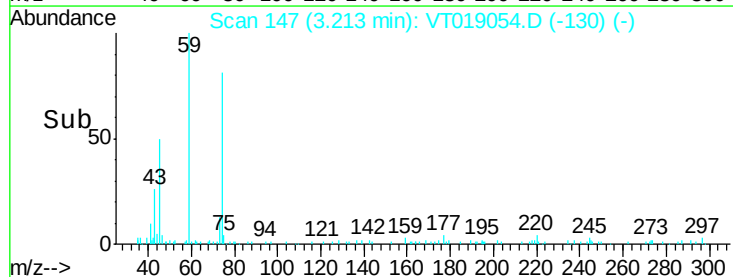
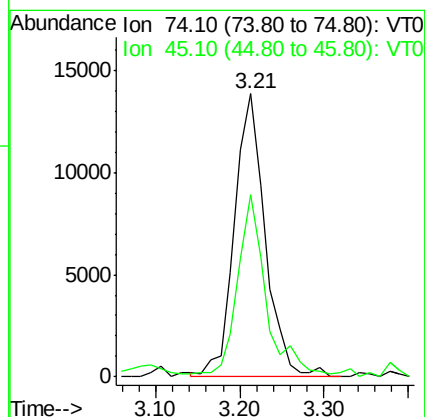
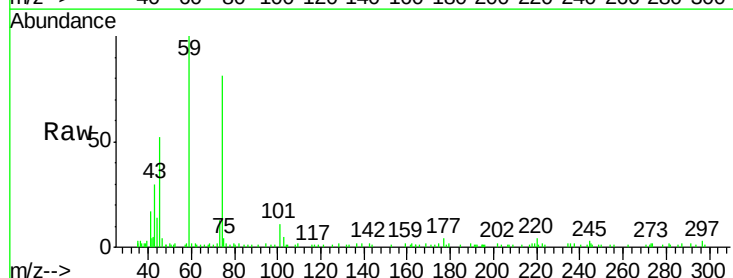
Tot Ion:101 Resp: 234668
Ion Ratio Lower Upper
101 100
103 52.7 46.5 69.7

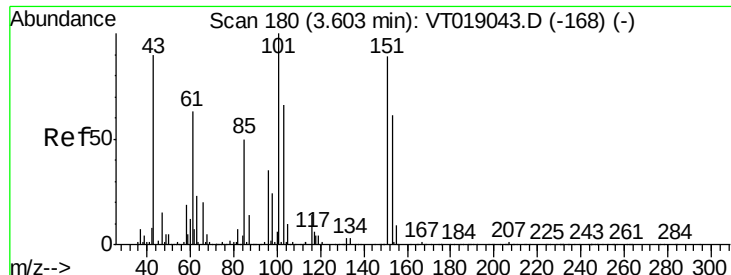


#8

Diethyl Ether
Concen: 11.21 ug/l
RT: 3.21 min Scan# 147
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion: 74 Resp: 35135
Ion Ratio Lower Upper
74 100
45 64.3 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.09 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

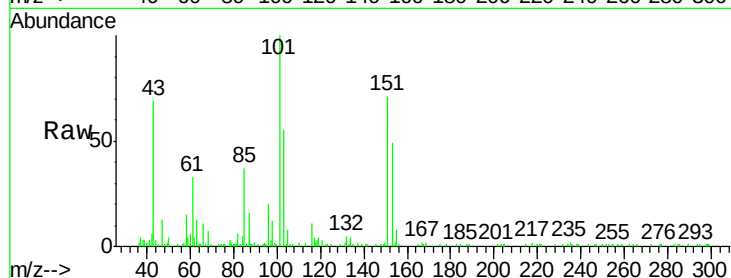
Tot Ion:101 Resp: 121017

Ion Ratio Lower Upper

101 100

85 37.4 39.5 59.3#

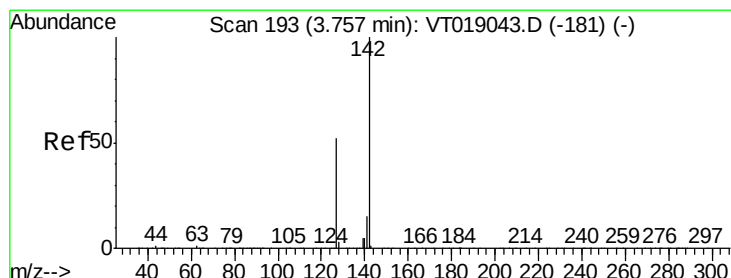
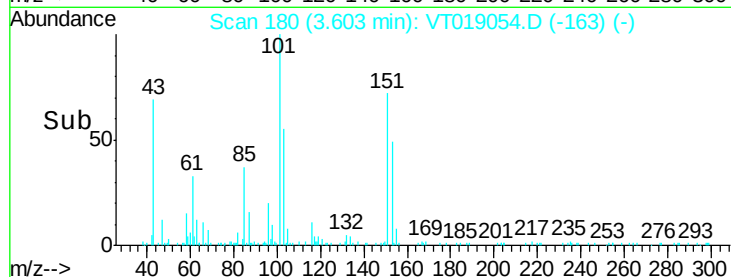
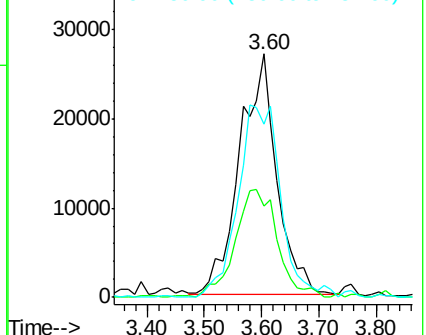
151 71.0 69.9 104.9



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: 11.63 ug/l

RT: 3.77 min Scan# 194

Delta R.T. 0.01 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

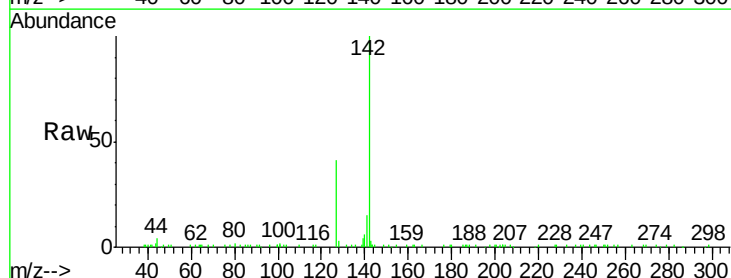
Tgt Ion:142 Resp: 168884

Ion Ratio Lower Upper

142 100

127 40.9 41.8 62.8#

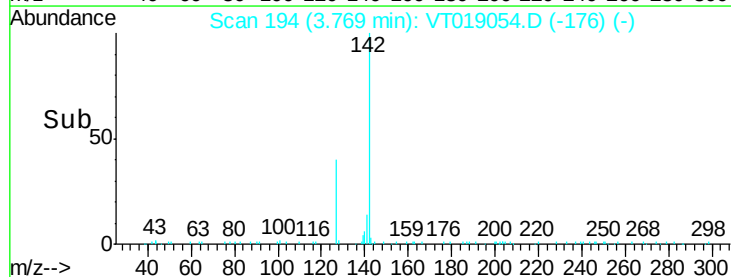
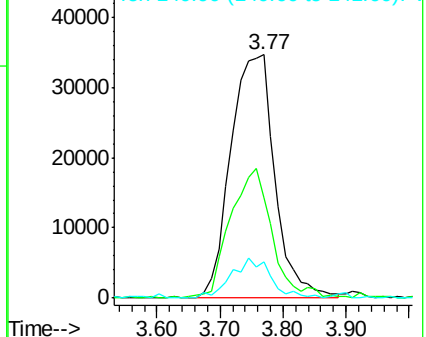
141 14.9 12.0 18.0

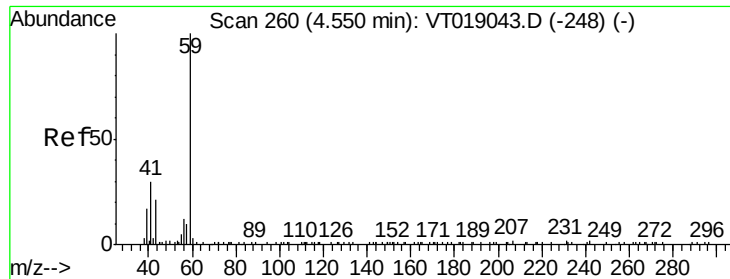


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



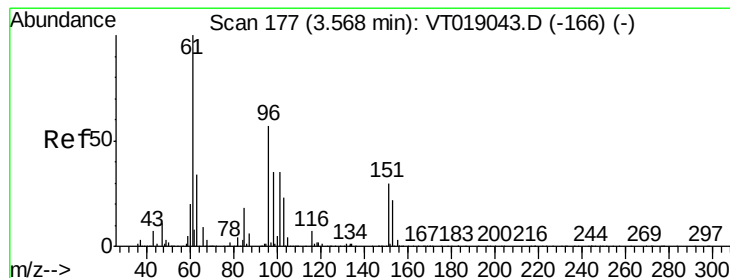
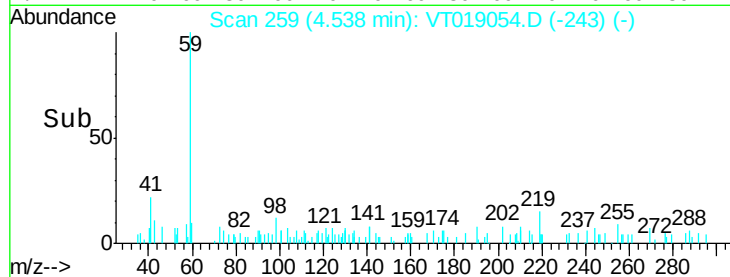
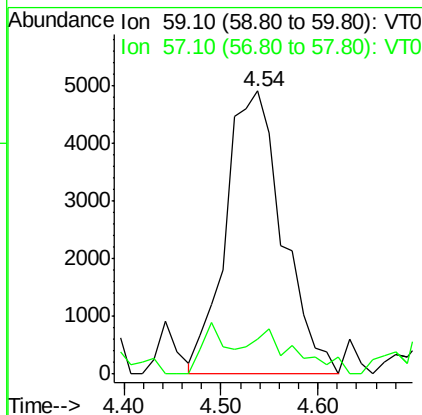
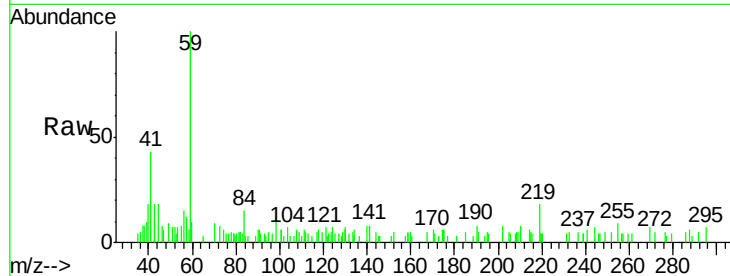


#11

Tert butyl alcohol
 Concen: 38.12 ug/l
 RT: 4.54 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

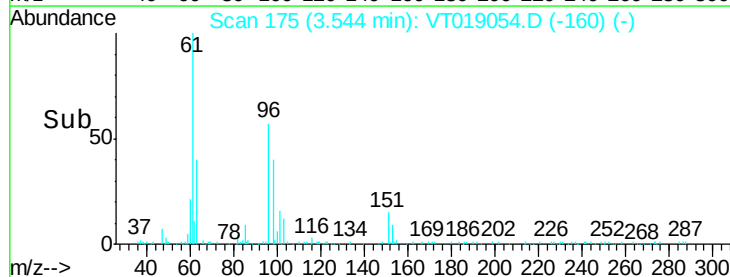
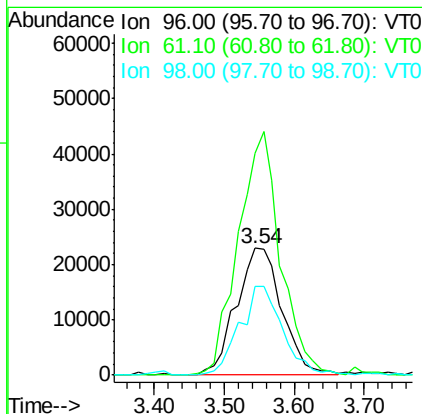
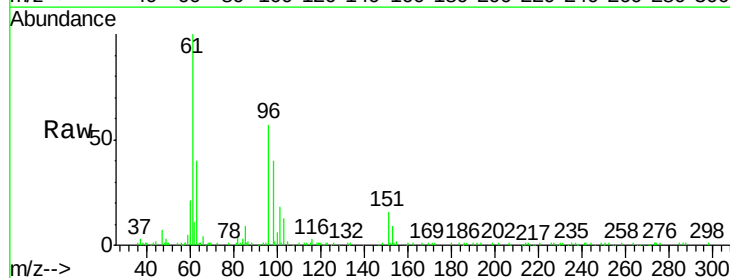
Tot Ion: 59 Resp: 19947
 Ion Ratio Lower Upper
 59 100
 57 11.1 7.7 11.5

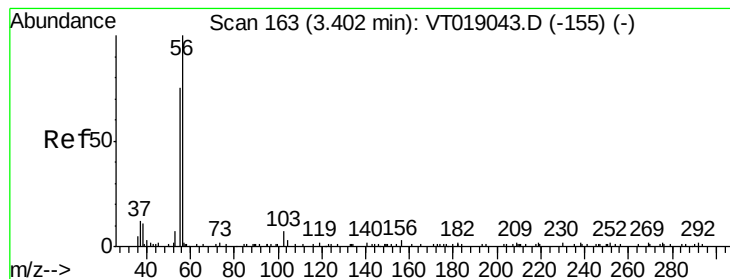


#12

1,1-Dichloroethene
 Concen: 11.79 ug/l
 RT: 3.54 min Scan# 175
 Delta R.T. -0.02 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion: 96 Resp: 104717
 Ion Ratio Lower Upper
 96 100
 61 175.4 139.4 209.2
 98 69.7 49.4 74.2





#13

Acrolein

Concen: 50.01 ug/l

RT: 3.40 min Scan# 163

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

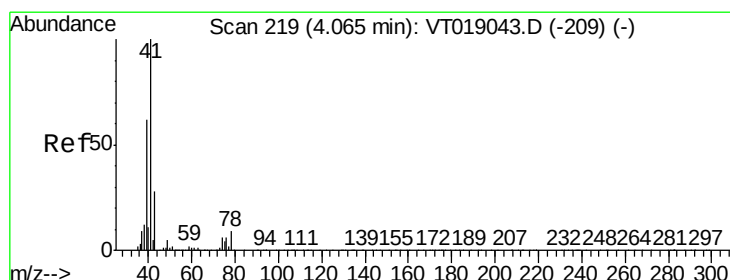
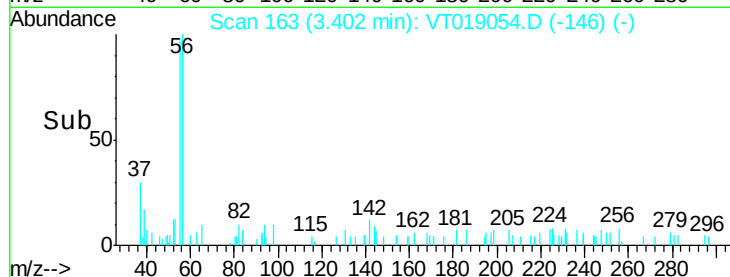
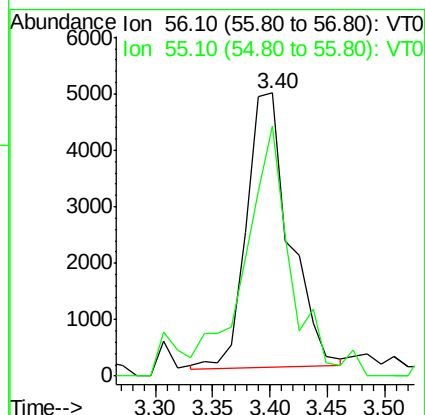
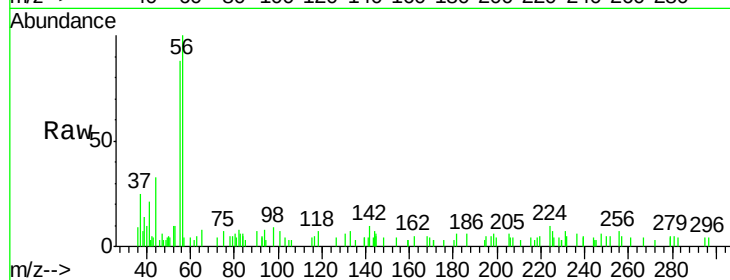
LOQ-SOIL-02-QT2-2018

Tot Ion: 56 Resp: 12773

Ion Ratio Lower Upper

56 100

55 88.5 60.8 91.2



#14

Allyl chloride

Concen: 11.00 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

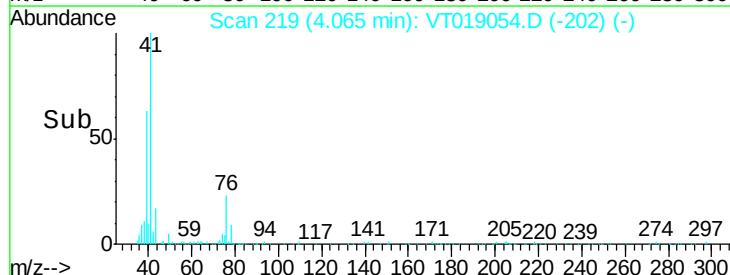
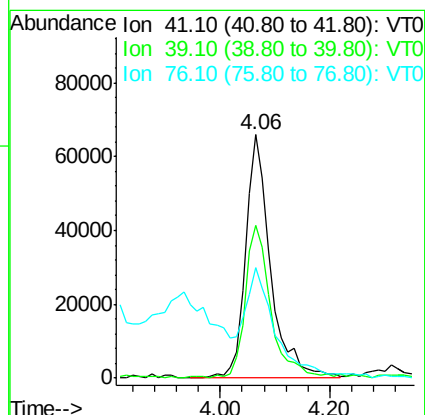
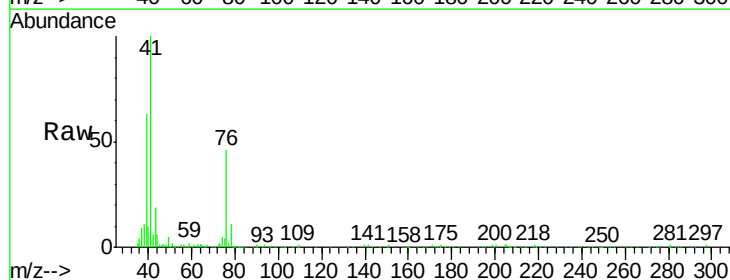
Tgt Ion: 41 Resp: 210855

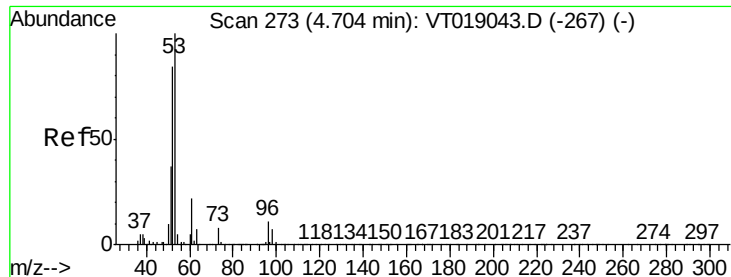
Ion Ratio Lower Upper

41 100

39 63.0 49.5 74.3

76 45.6 44.0 66.0





#15

Acrylonitrile

Concen: 48.33 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

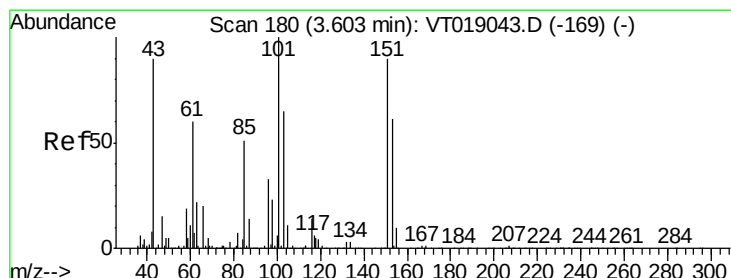
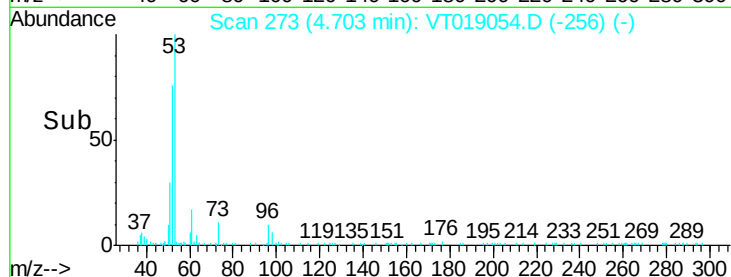
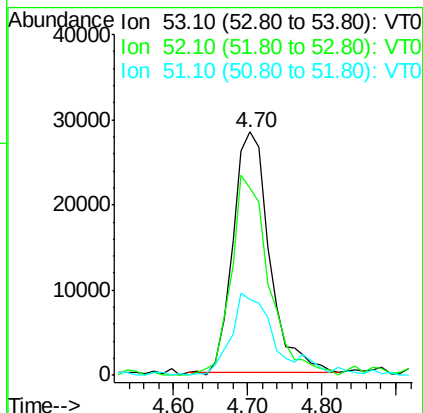
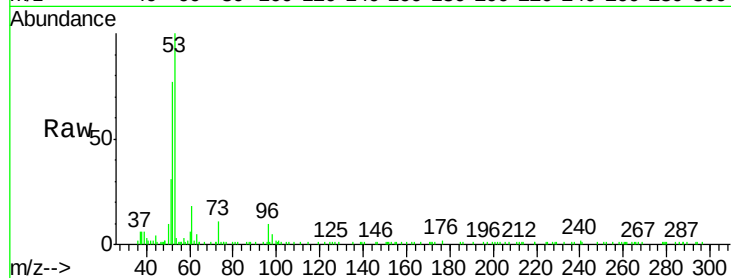
Tot Ion: 53 Resp: 97417

Ion Ratio Lower Upper

53 100

52 76.7 67.4 101.0

51 31.3 29.6 44.4



#16

Acetone

Concen: 54.42 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019054.D

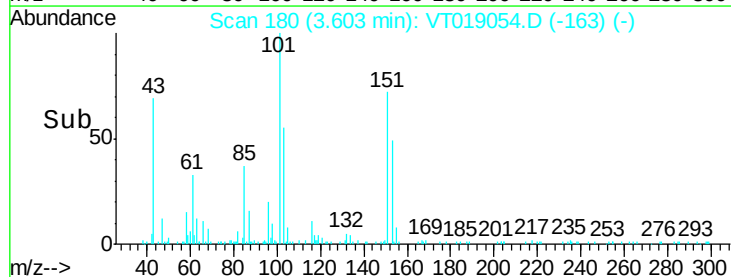
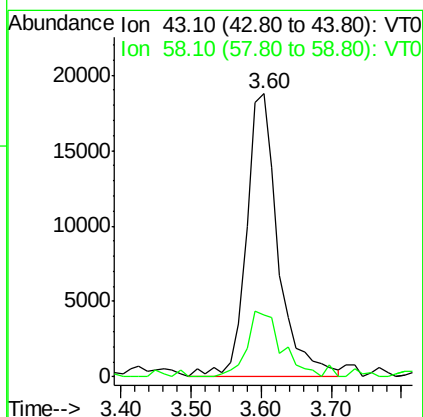
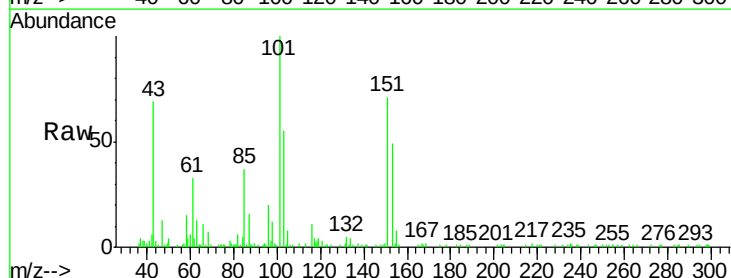
Acq: 9 May 2018 13:21

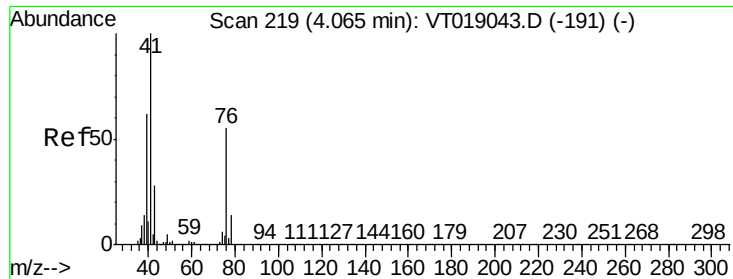
Tgt Ion: 43 Resp: 59764

Ion Ratio Lower Upper

43 100

58 22.0 16.7 25.1





#17

Carbon Disulfide

Concen: 2.96 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

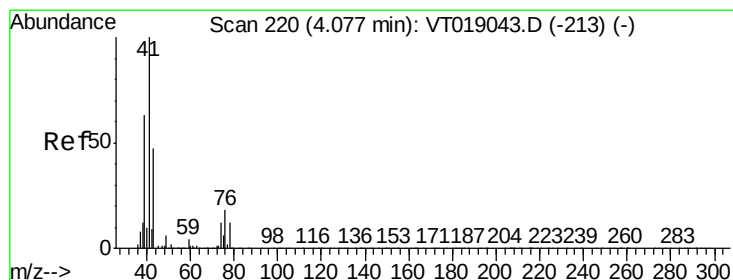
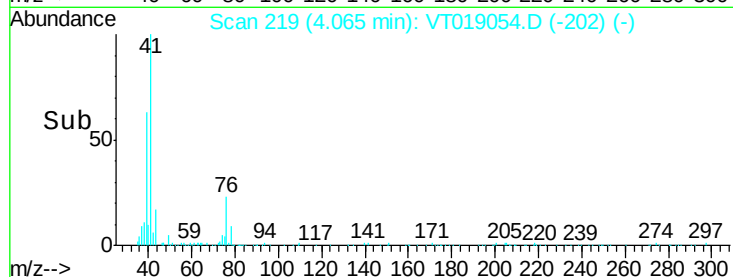
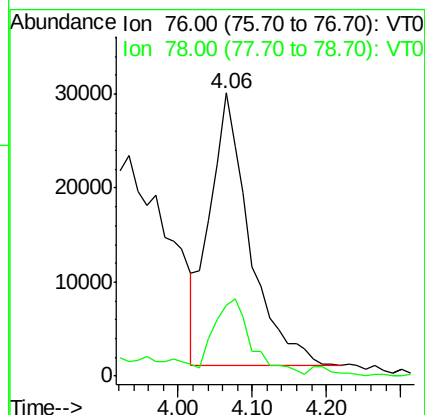
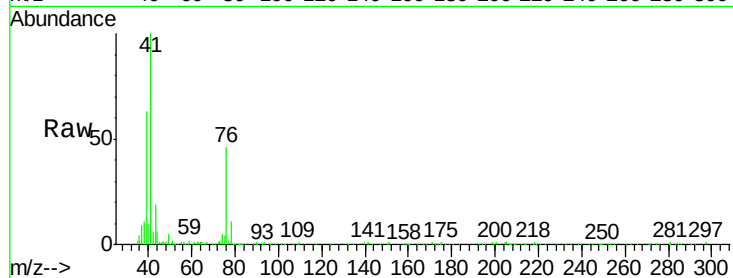
LOQ-SOIL-02-QT2-2018

Tot Ion: 76 Resp: 108622

Ion Ratio Lower Upper

76 100

78 25.2 19.8 29.8



#18

Methyl Acetate

Concen: 9.02 ug/l

RT: 4.08 min Scan# 220

Delta R.T. -0.00 min

Lab File: VT019054.D

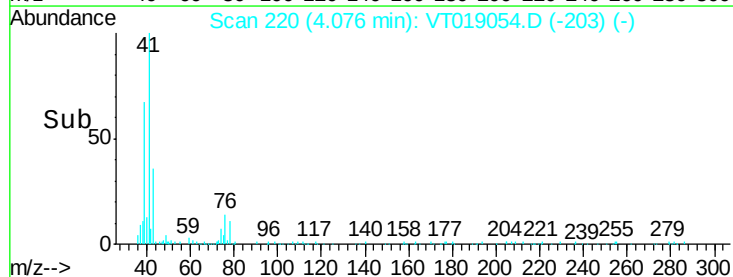
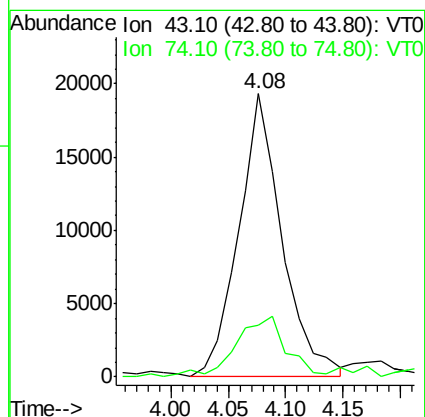
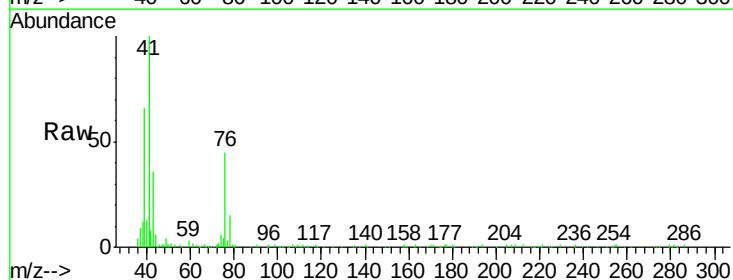
Acq: 9 May 2018 13:21

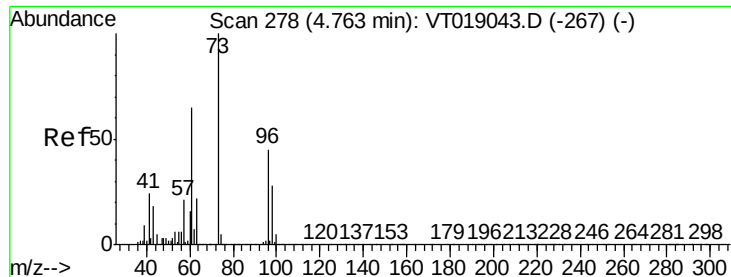
Tgt Ion: 43 Resp: 50876

Ion Ratio Lower Upper

43 100

74 18.1 19.8 29.8#



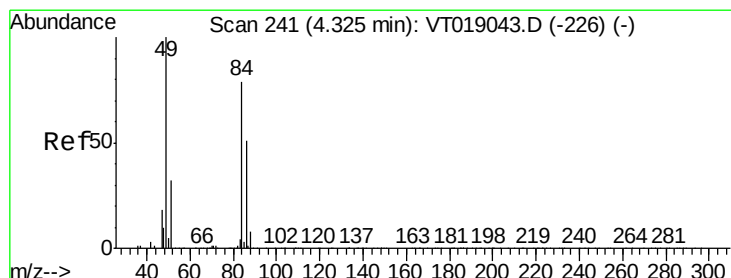
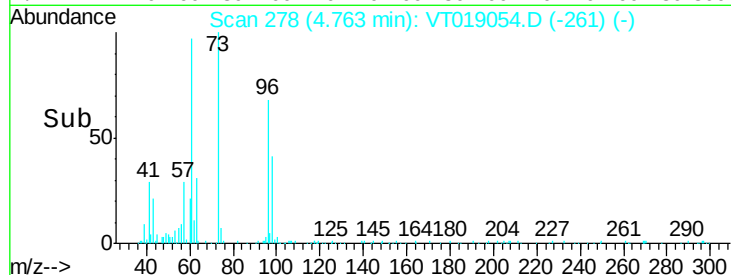
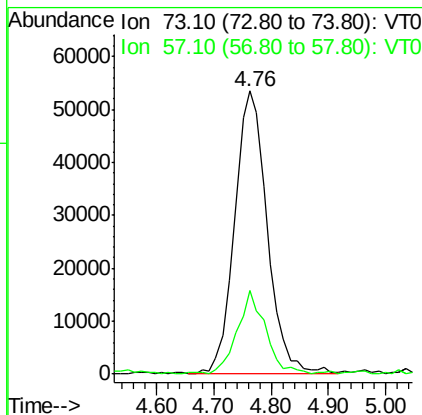
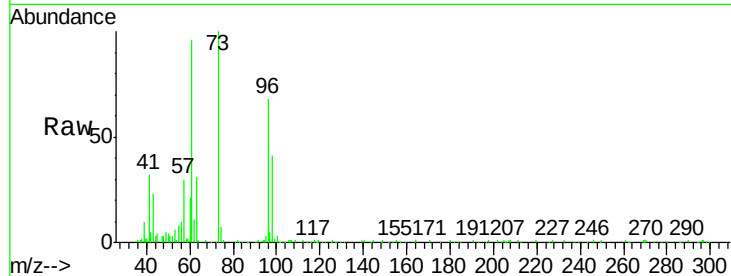


#19

Methyl tert-butyl Ether
 Concen: 9.48 ug/l
 RT: 4.76 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

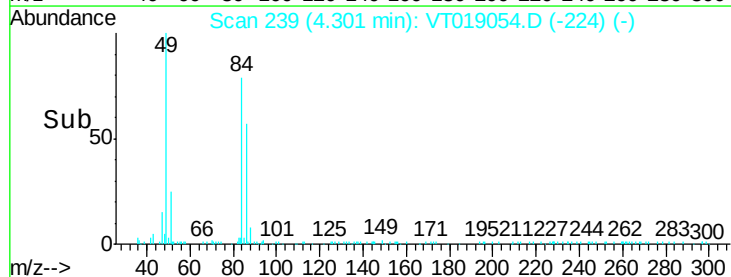
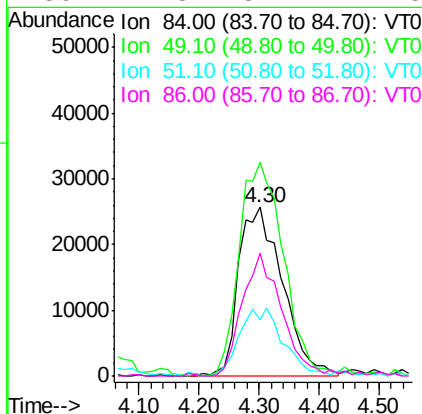
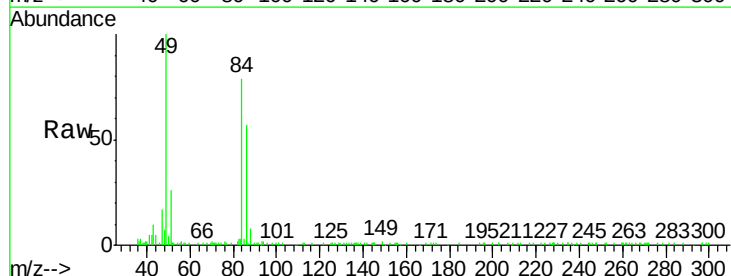
Tot Ion: 73 Resp: 211100
 Ion Ratio Lower Upper
 73 100
 57 29.6 16.6 25.0#

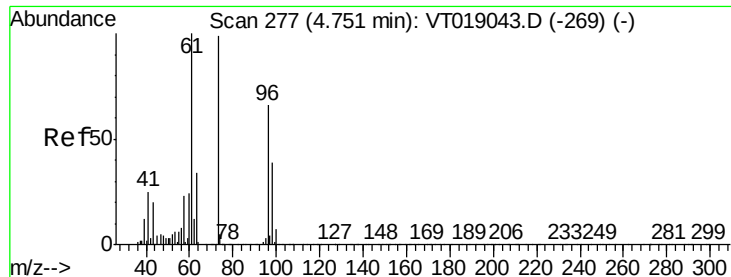


#20

Methylene Chloride
 Concen: 11.11 ug/l
 RT: 4.30 min Scan# 239
 Delta R.T. -0.02 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion: 84 Resp: 131431
 Ion Ratio Lower Upper
 84 100
 49 126.7 103.0 154.4
 51 33.8 33.3 49.9
 86 72.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 11.06 ug/l

RT: 4.75 min Scan# 277

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

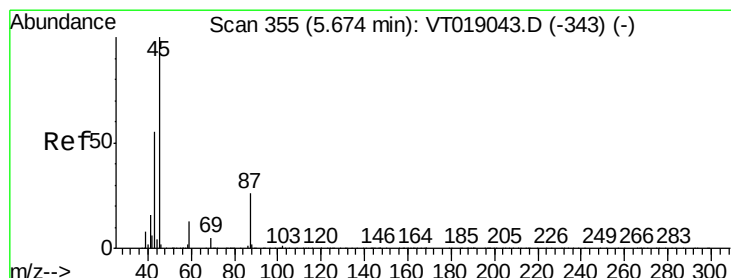
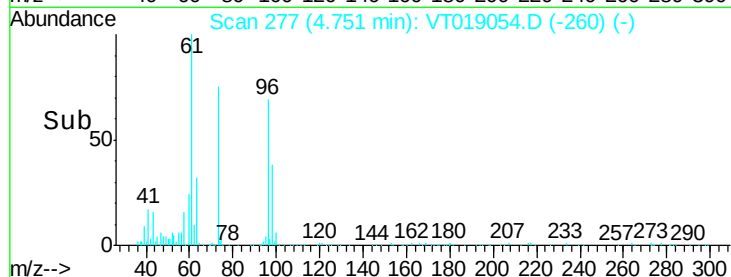
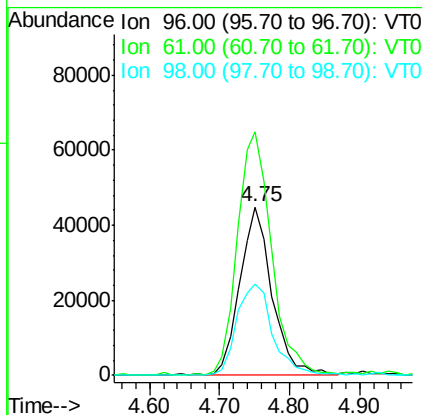
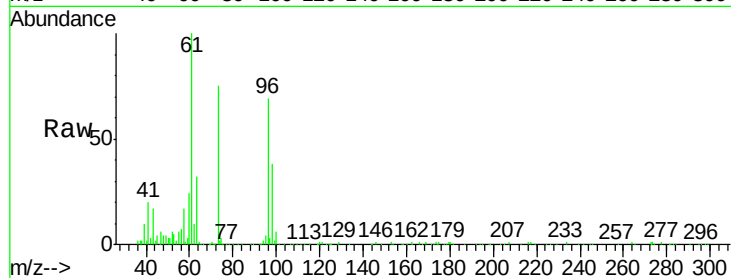
Tot Ion: 96 Resp: 145053

Ion Ratio Lower Upper

96 100

61 144.4 120.8 181.2

98 54.4 47.4 71.2



#22

Diisopropyl ether

Concen: 10.86 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Tgt Ion: 45 Resp: 386161

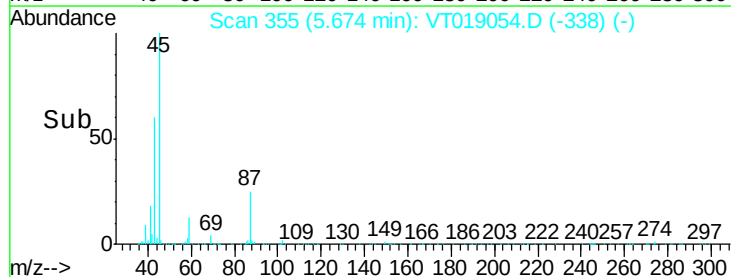
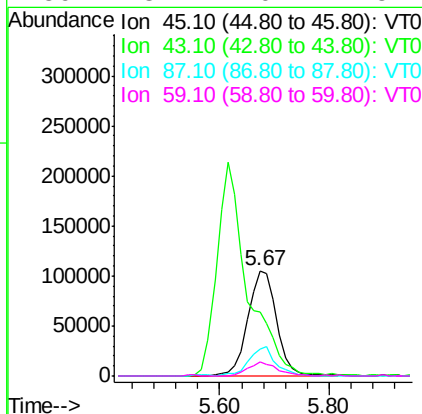
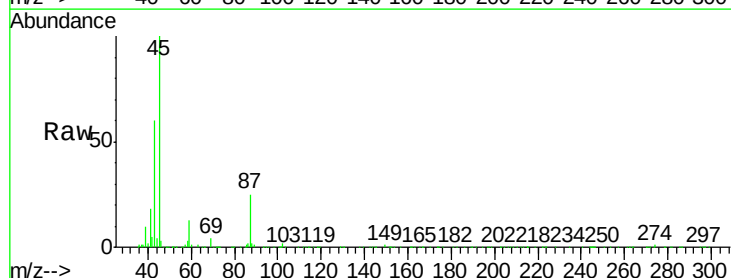
Ion Ratio Lower Upper

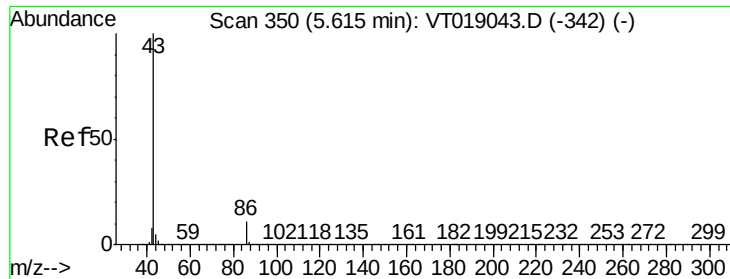
45 100

43 60.3 43.8 65.6

87 25.2 20.8 31.2

59 13.1 10.2 15.4

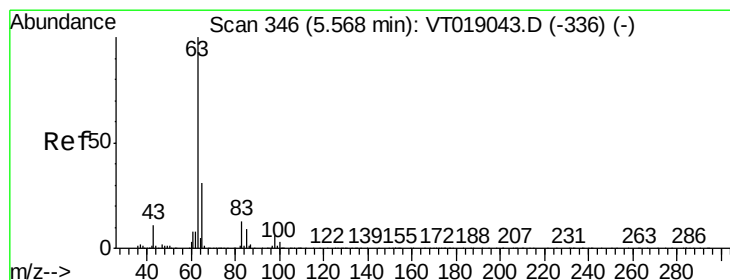
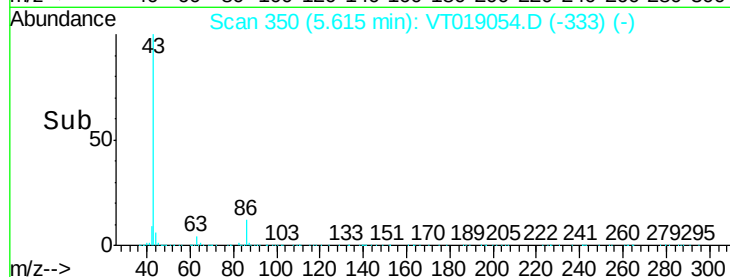
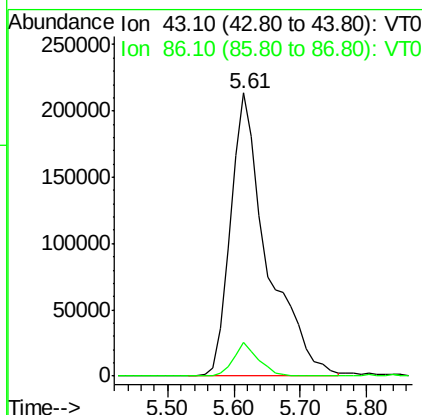
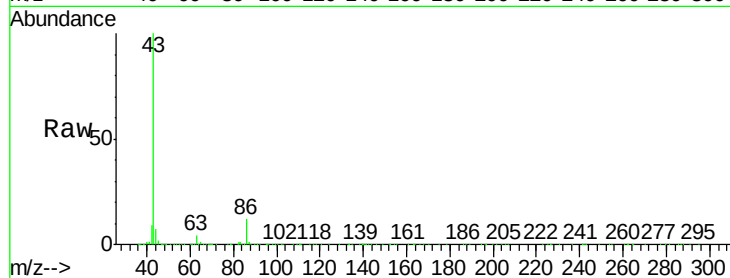




#23
 Vinyl Acetate
 Concen: 52.34 ug/l
 RT: 5.61 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

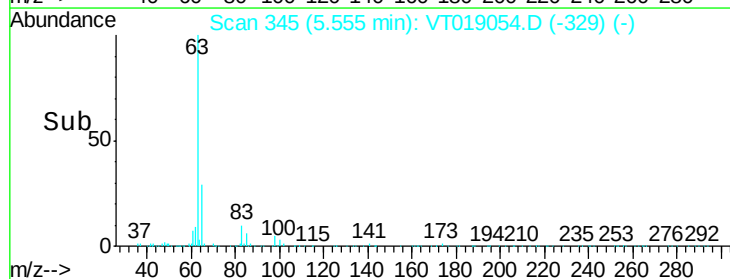
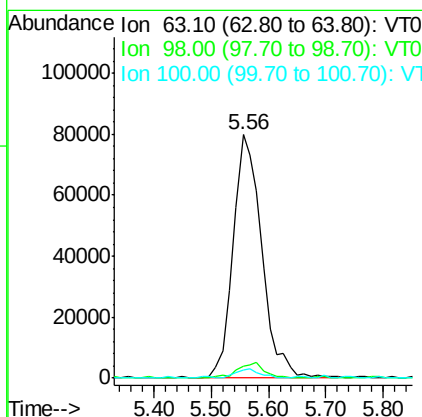
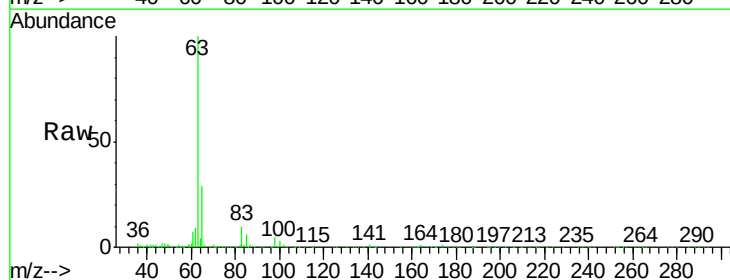
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

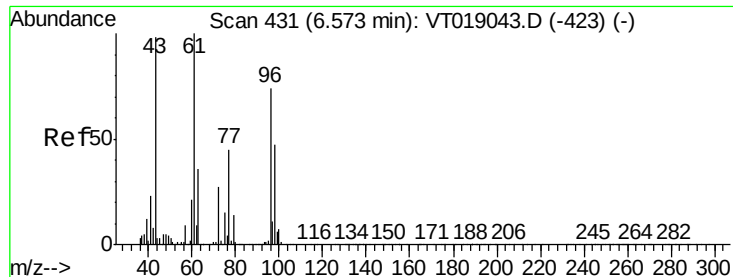
Tot Ion: 43 Resp: 826135
 Ion Ratio Lower Upper
 43 100
 86 12.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 11.12 ug/l
 RT: 5.56 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion: 63 Resp: 276516
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.8 8.4
 100 3.1 1.7 5.1

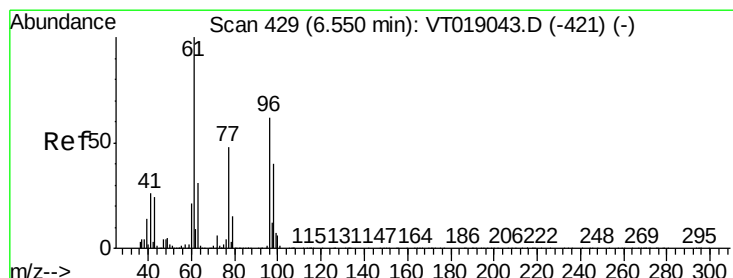
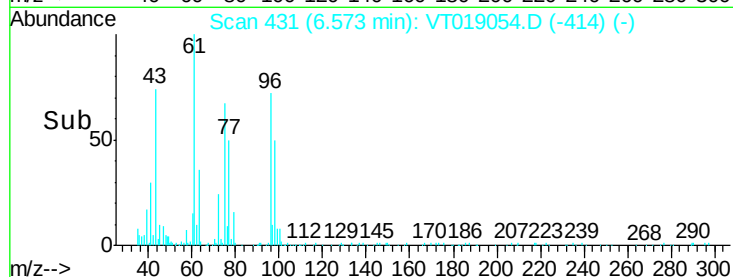
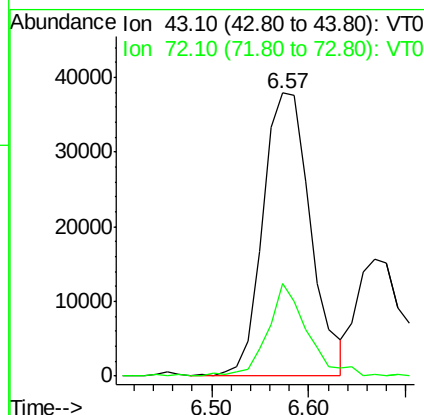
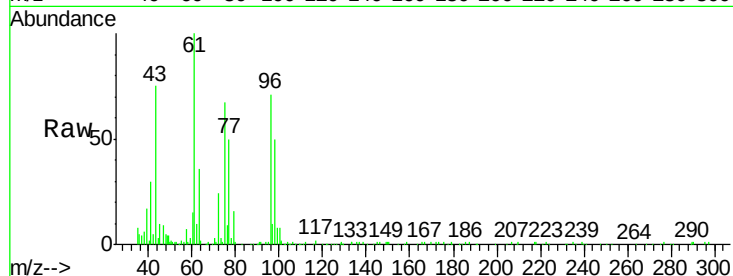




#25
2-Butanone
Concen: 52.16 ug/l
RT: 6.57 min Scan# 431
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

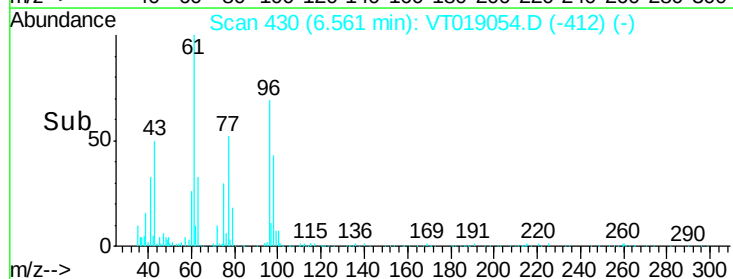
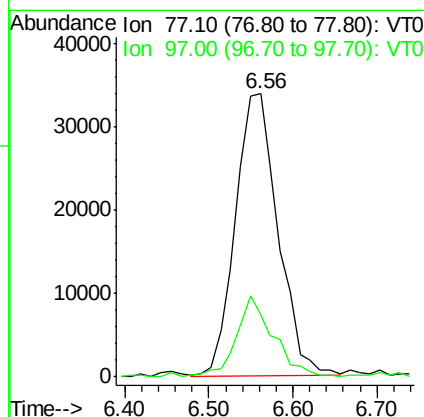
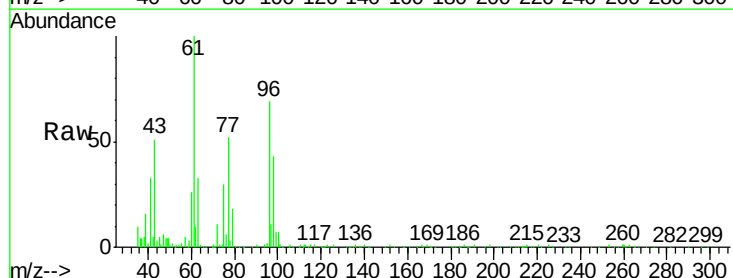
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

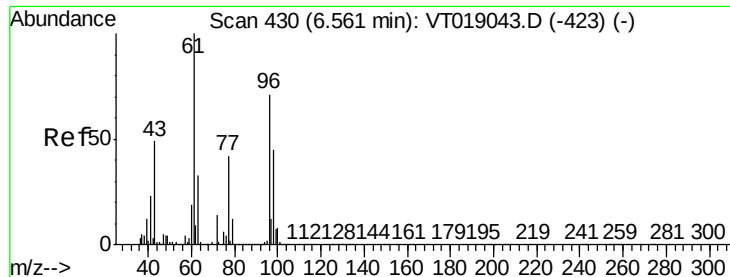
Tot Ion: 43 Resp: 129011
Ion Ratio Lower Upper
43 100
72 32.7 22.1 33.1



#26
2,2-Dichloropropane
Concen: 11.87 ug/l
RT: 6.56 min Scan# 430
Delta R.T. 0.01 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion: 77 Resp: 119111
Ion Ratio Lower Upper
77 100
97 21.8 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 10.56 ug/l

RT: 6.56 min Scan# 430

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

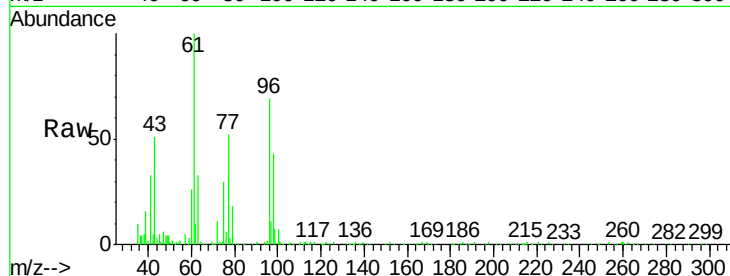
Tot Ion: 96 Resp: 136063

Ion Ratio Lower Upper

96 100

61 144.0 0.0 282.0

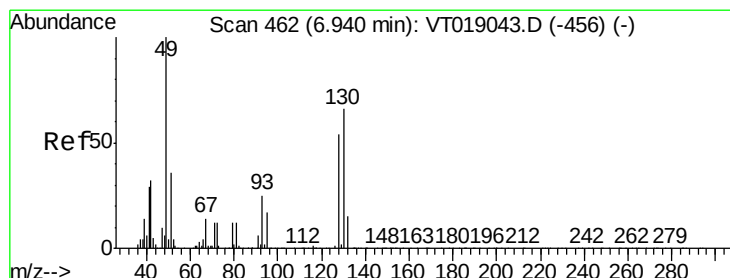
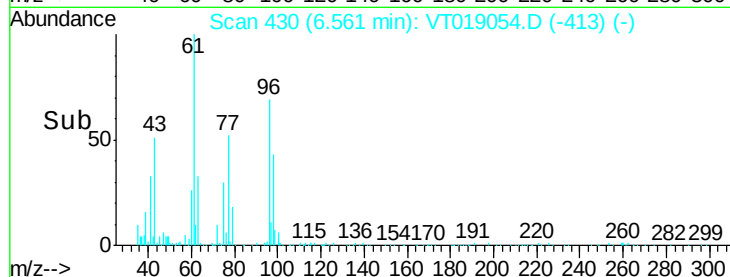
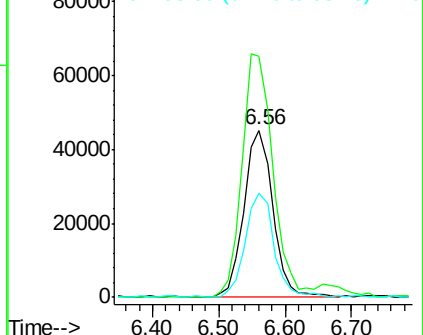
98 62.4 0.0 125.8



Abundance Ion 96.00 (95.70 to 96.70): VT0

Ion 61.10 (60.80 to 61.80): VT0

Ion 98.00 (97.70 to 98.70): VT0



#28

Bromochloromethane

Concen: 11.08 ug/l

RT: 6.94 min Scan# 462

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

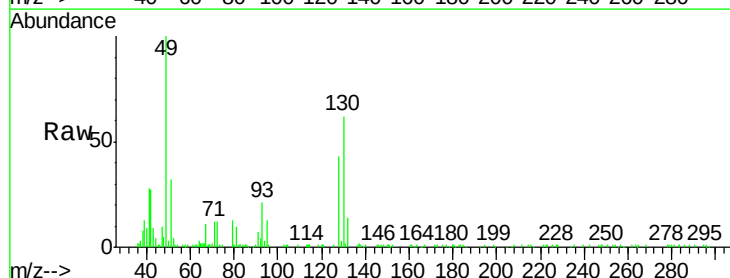
Tgt Ion: 49 Resp: 91448

Ion Ratio Lower Upper

49 100

129 2.8 0.0 3.8

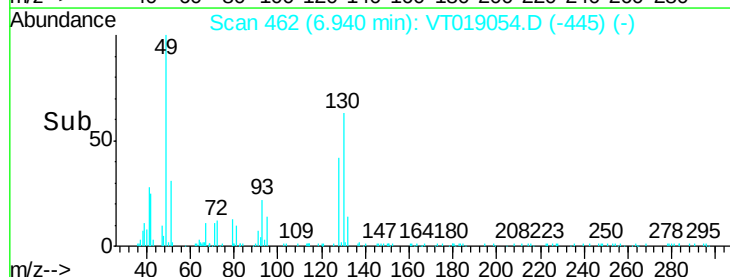
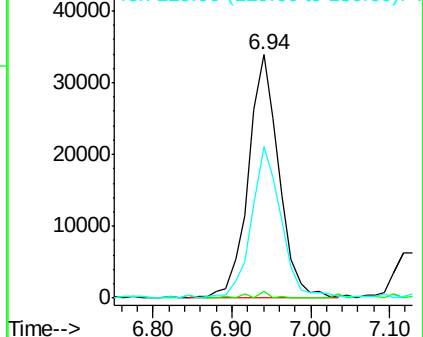
130 62.4 52.4 78.6

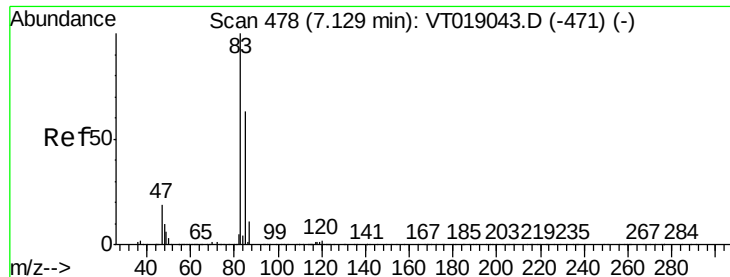


Abundance Ion 49.10 (48.80 to 49.80): VT0

Ion 129.00 (128.70 to 129.70): V

Ion 129.90 (129.60 to 130.60): V

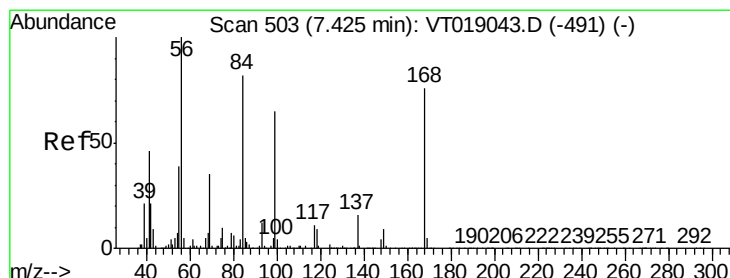
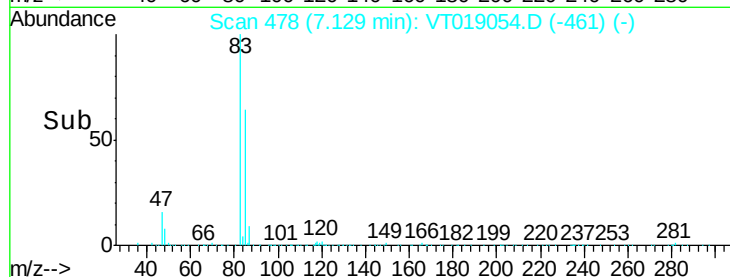
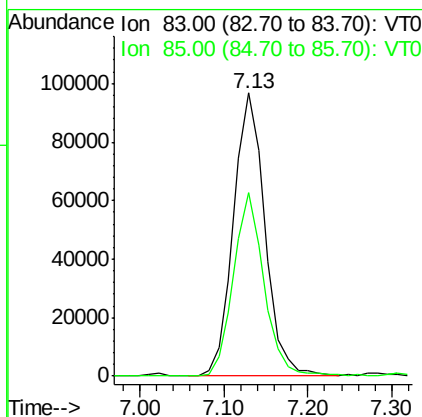
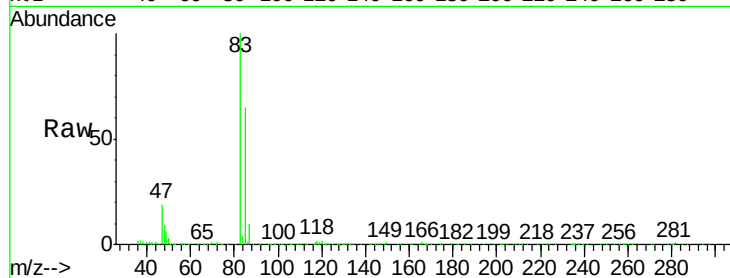




#29
Chloroform
Concen: 10.85 ug/l
RT: 7.13 min Scan# 478
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

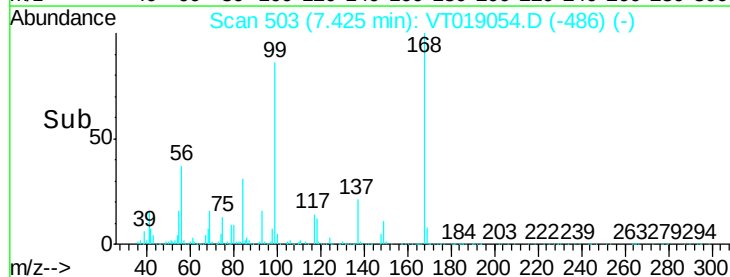
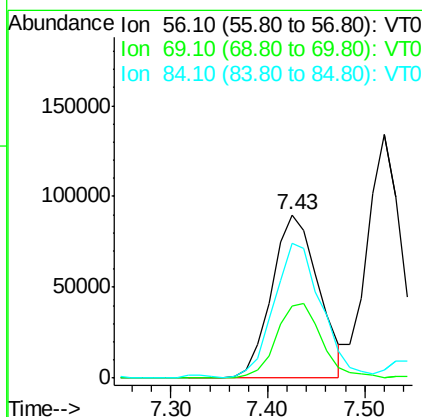
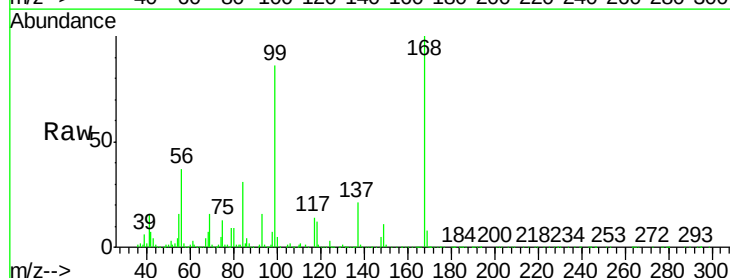
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

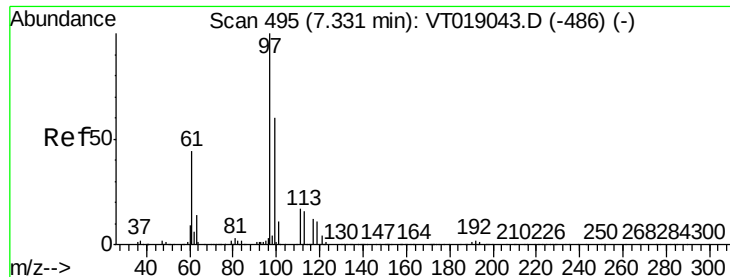
Tot Ion: 83 Resp: 252428
Ion Ratio Lower Upper
83 100
85 64.6 50.6 76.0



#30
Cyclohexane
Concen: 11.13 ug/l
RT: 7.43 min Scan# 503
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion: 56 Resp: 299820
Ion Ratio Lower Upper
56 100
69 43.9 28.2 42.2#
84 82.6 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 10.65 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

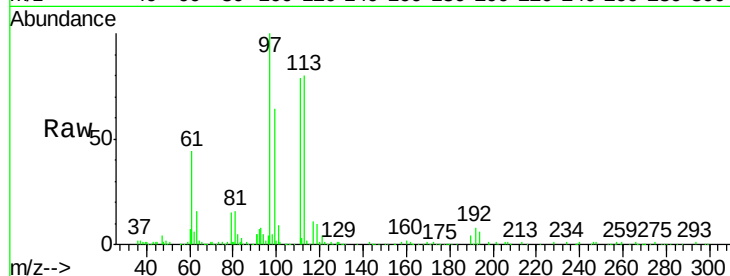
Tot Ion: 97 Resp: 191457

Ion Ratio Lower Upper

97 100

99 64.4 47.6 71.4

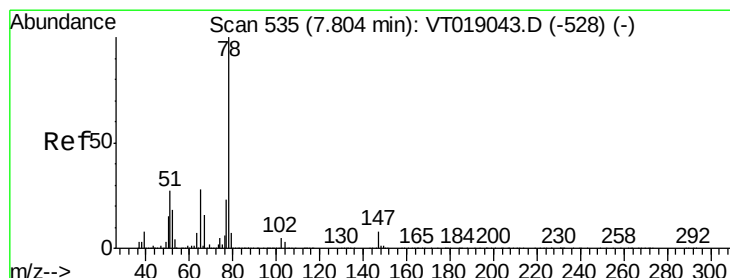
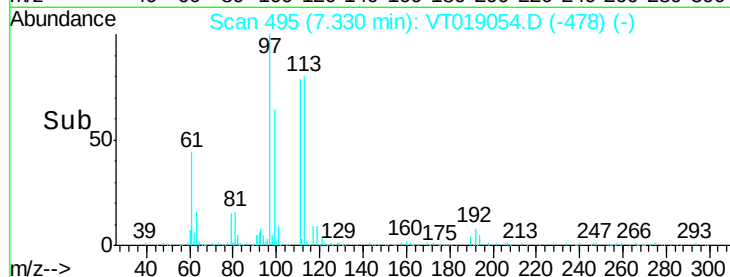
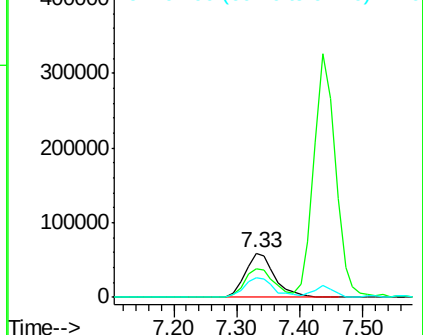
61 44.0 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

Ion 61.00 (60.70 to 61.70): VT0



#32

1,2-Dichloroethane-d4

Concen: 51.95 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019054.D

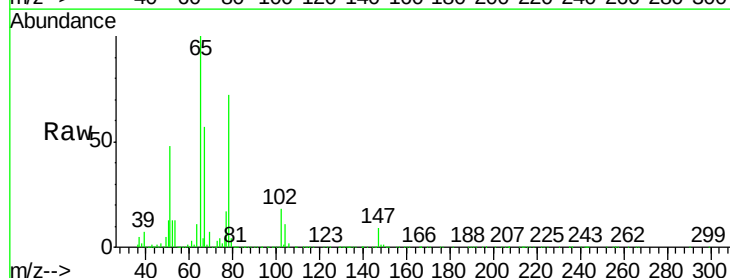
Acq: 9 May 2018 13:21

Tgt Ion: 65 Resp: 537446

Ion Ratio Lower Upper

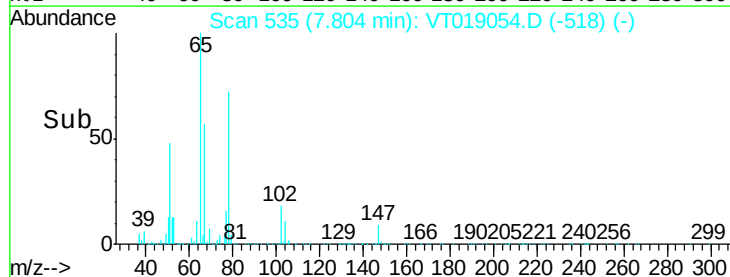
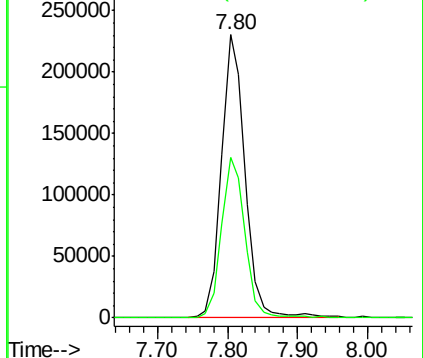
65 100

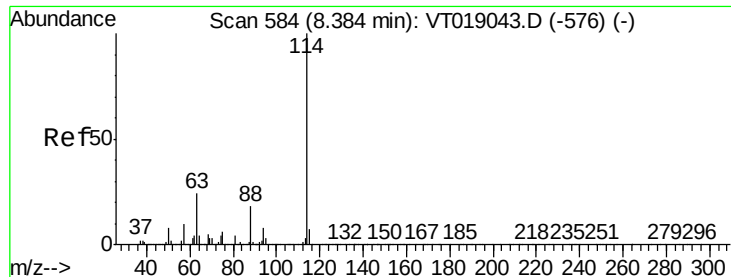
67 56.9 0.0 114.2



Abundance Ion 65.10 (64.80 to 65.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

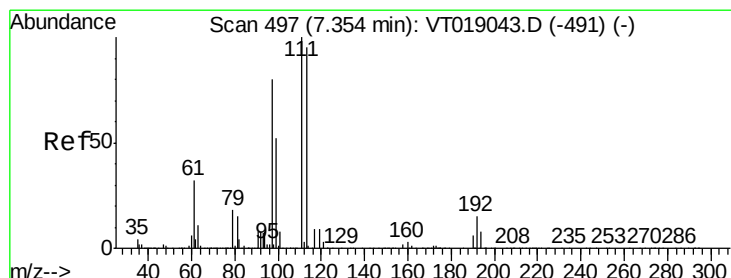
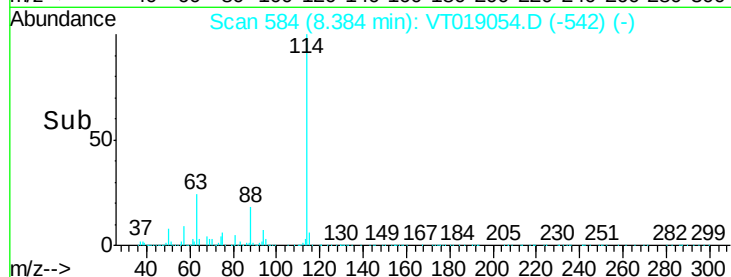
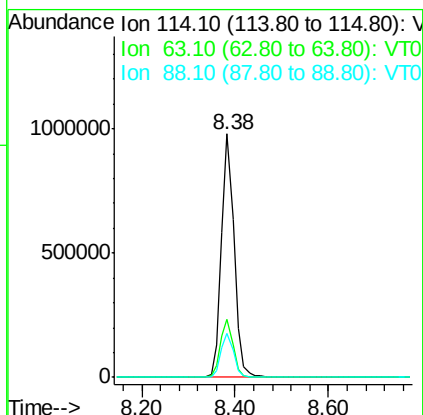
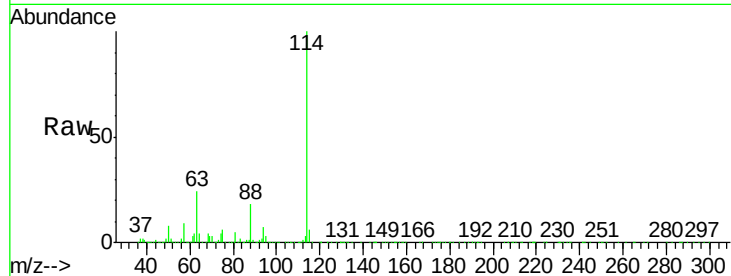




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.38 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

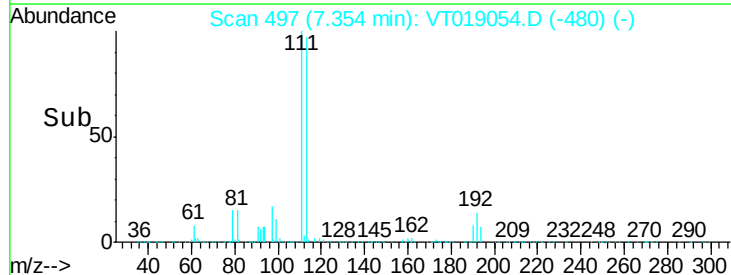
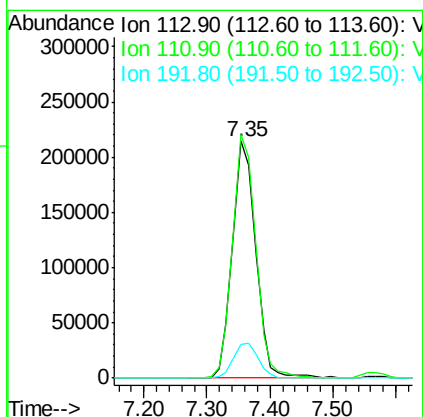
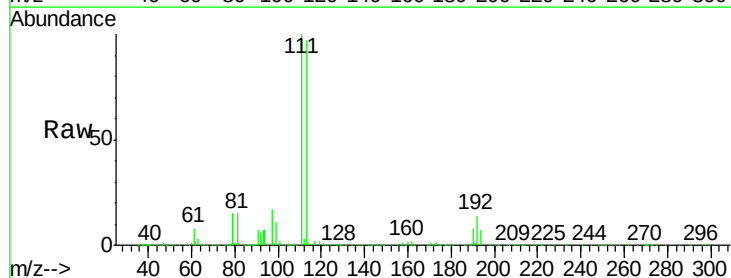
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

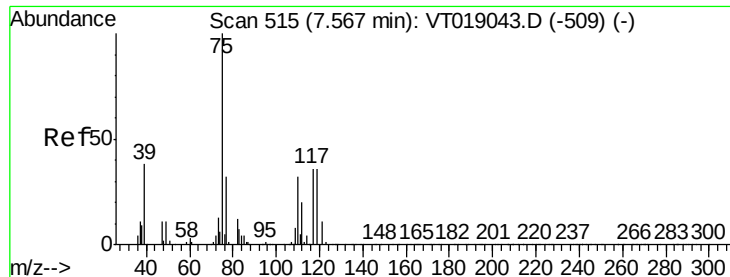
Tot Ion:114 Resp: 1867005
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.8
 88 18.2 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 52.63 ug/l
 RT: 7.35 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion:113 Resp: 550282
 Ion Ratio Lower Upper
 113 100
 111 102.7 84.0 126.0
 192 14.4 12.9 19.3

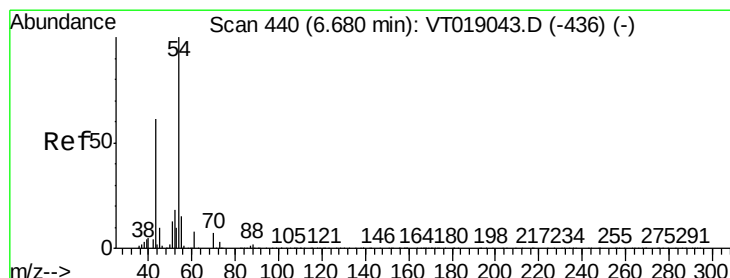
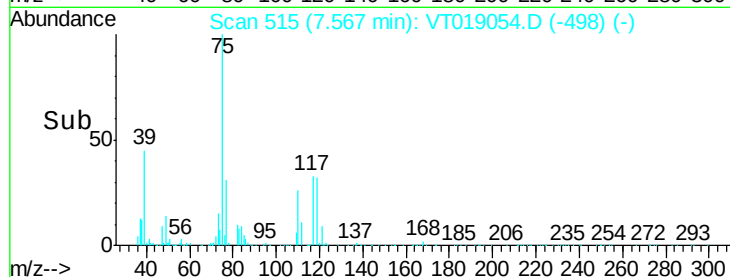
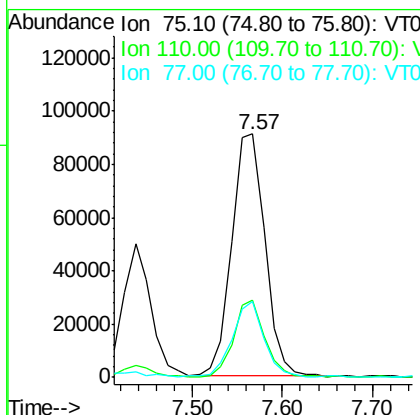
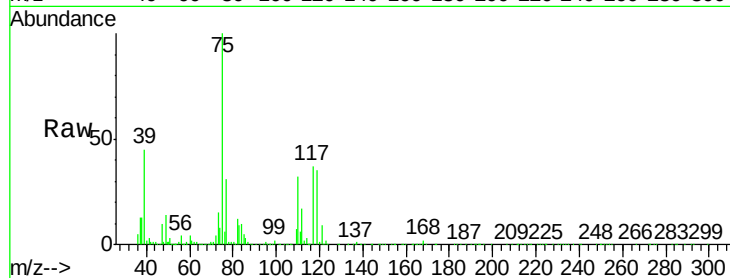




#35
 1,1-Dichloropropene
 Concen: 10.92 ug/l
 RT: 7.57 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

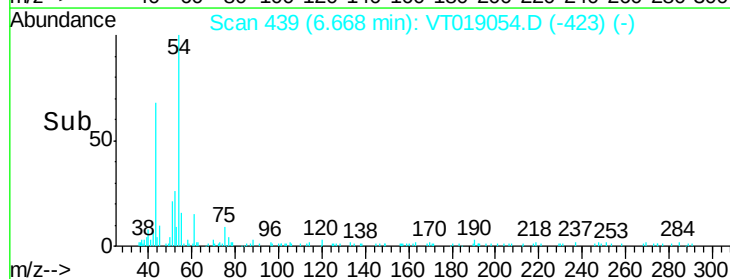
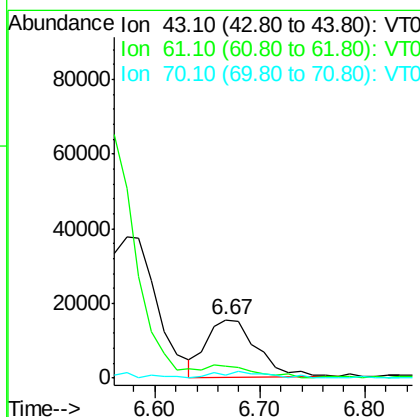
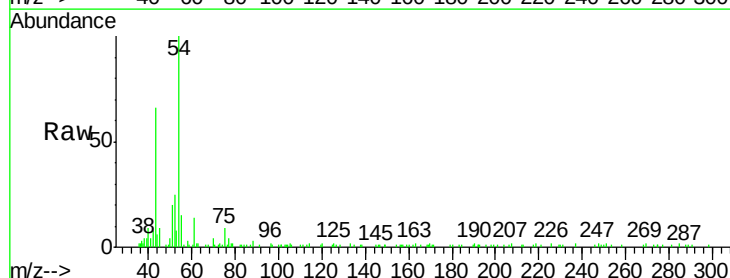
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

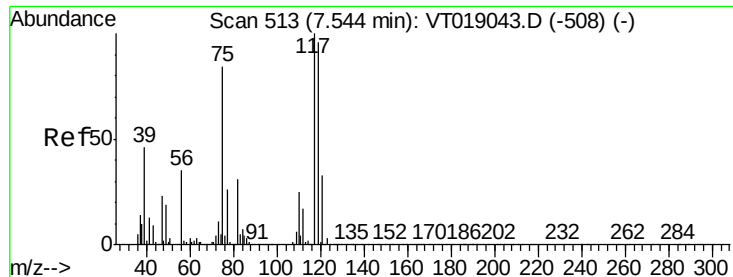
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.9	47.6
77	31.3	25.9	38.9



#36
 Ethyl Acetate
 Concen: 9.23 ug/l
 RT: 6.67 min Scan# 439
 Delta R.T. -0.01 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.4	14.2	21.2#
70	7.5	8.4	12.6#

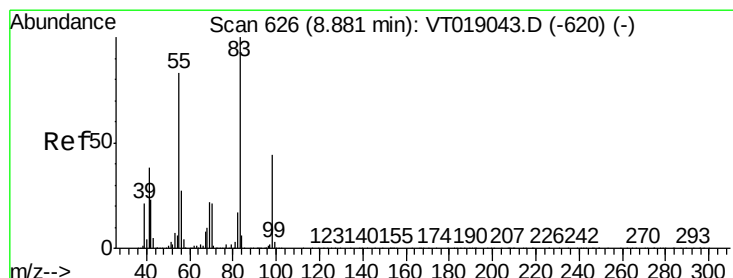
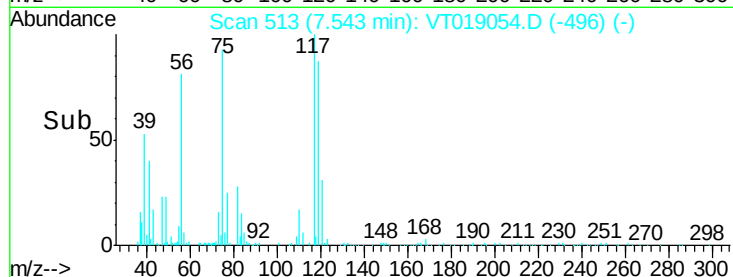
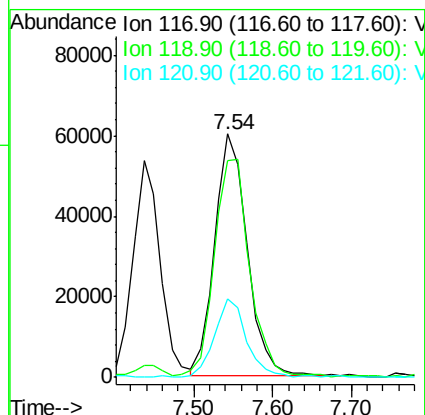
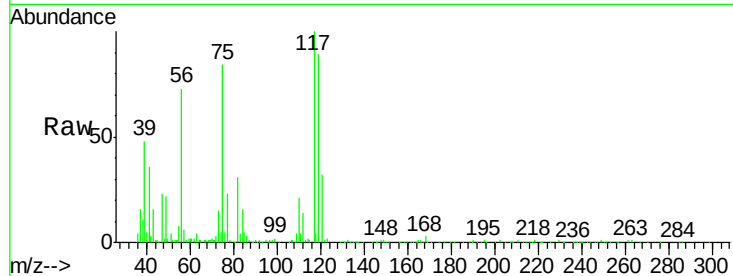




#37
Carbon Tetrachloride
Concen: 9.82 ug/l
RT: 7.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

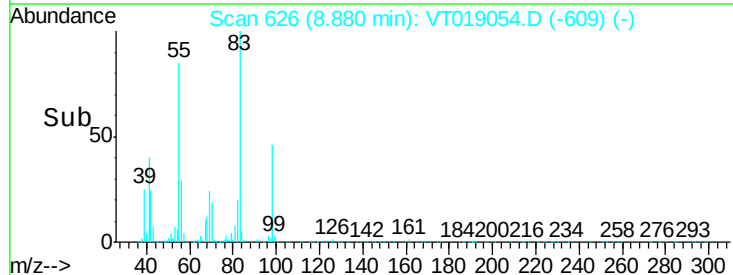
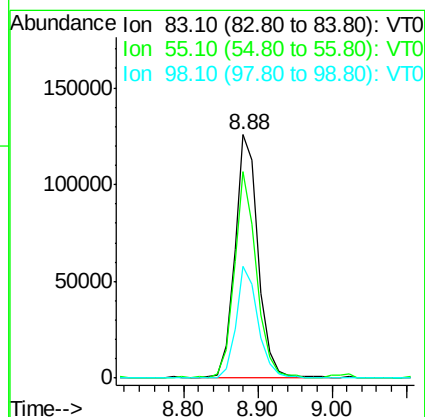
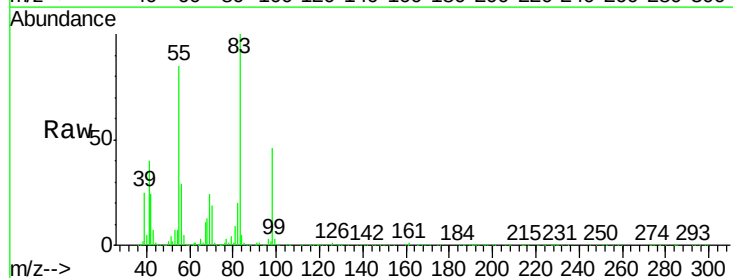
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

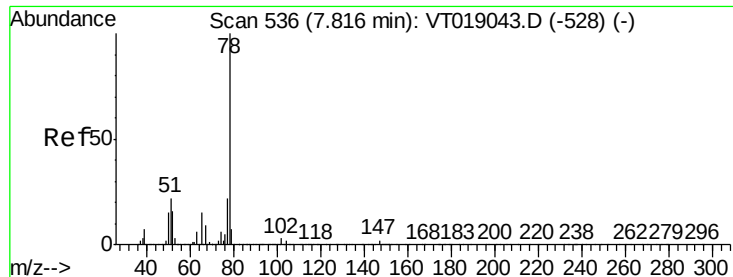
Tot Ion:117 Resp: 172661
Ion Ratio Lower Upper
117 100
119 88.9 76.5 114.7
121 32.1 26.0 39.0



#38
Methylcyclohexane
Concen: 10.80 ug/l
RT: 8.88 min Scan# 626
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion: 83 Resp: 277243
Ion Ratio Lower Upper
83 100
55 84.6 66.7 100.1
98 46.0 35.5 53.3





#39

Benzene

Concen: 11.41 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

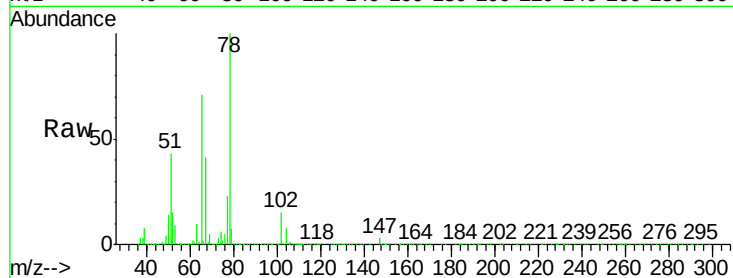
Tot Ion: 78 Resp: 641122

Ion Ratio Lower Upper

78 100

77 22.9 18.0 27.0

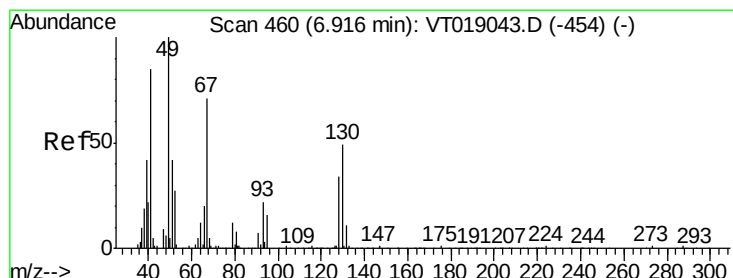
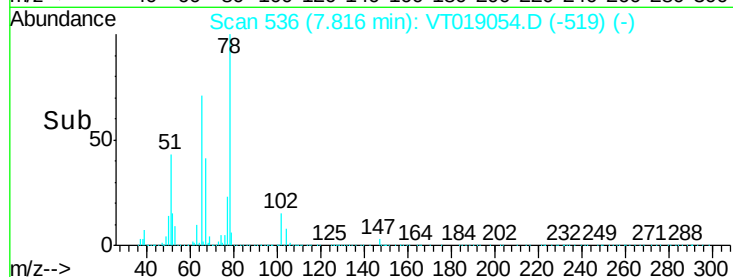
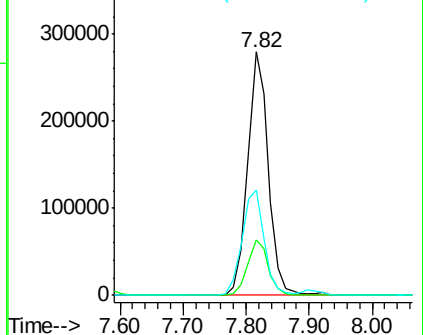
51 43.3 17.3 25.9#



Abundance Ion 78.10 (77.80 to 78.80): VT0

Ion 77.10 (76.80 to 77.80): VT0

Ion 51.10 (50.80 to 51.80): VT0



#40

Methacrylonitrile

Concen: 24.37 ug/l

RT: 6.96 min Scan# 464

Delta R.T. 0.05 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Tgt Ion: 41 Resp: 74071

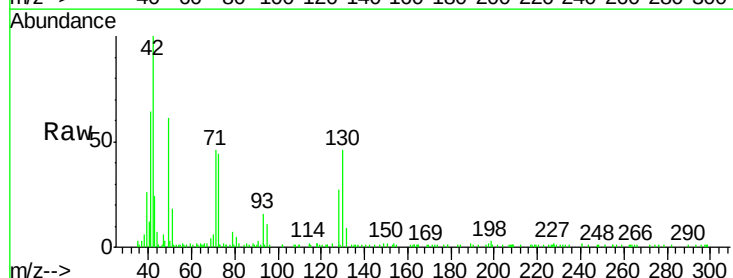
Ion Ratio Lower Upper

41 100

39 40.4 39.4 59.0

67 3.9 66.8 100.2#

52 1.8 25.5 38.3#

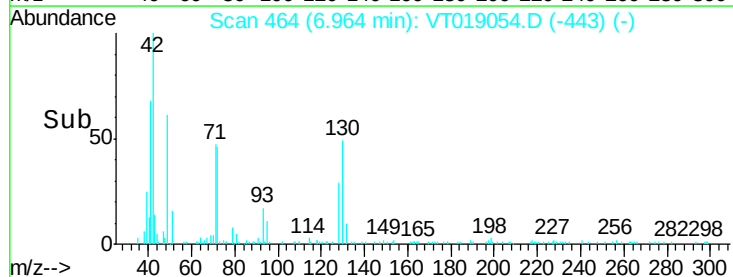
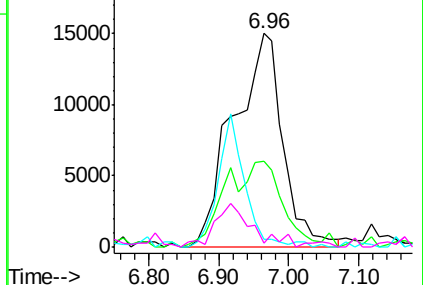


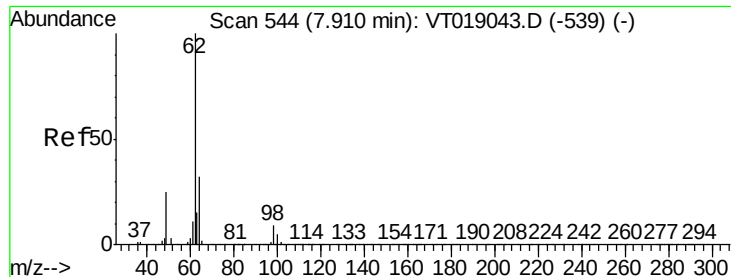
Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 67.10 (66.80 to 67.80): VT0

Ion 52.10 (51.80 to 52.80): VT0

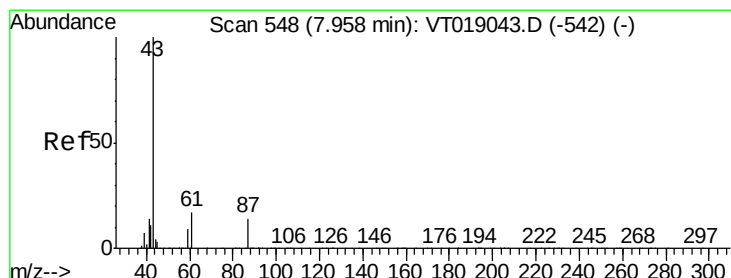
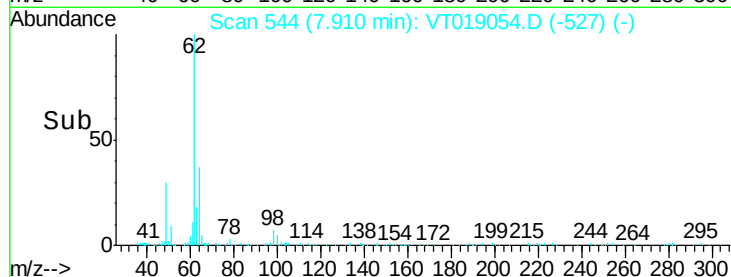
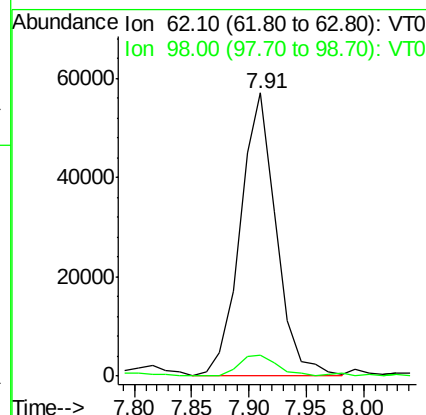
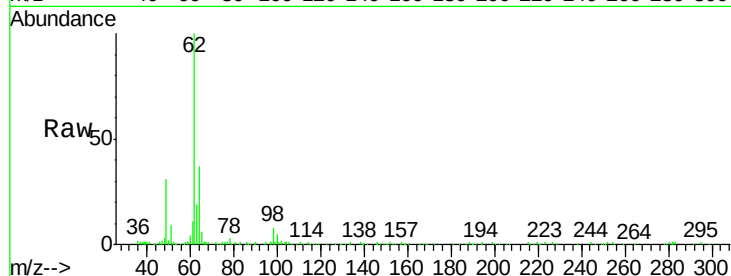




#41
 1,2-Dichloroethane
 Concen: 10.10 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

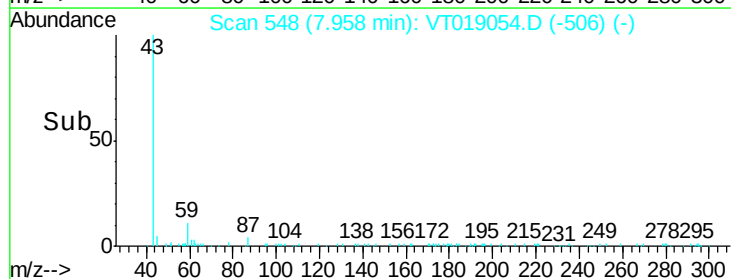
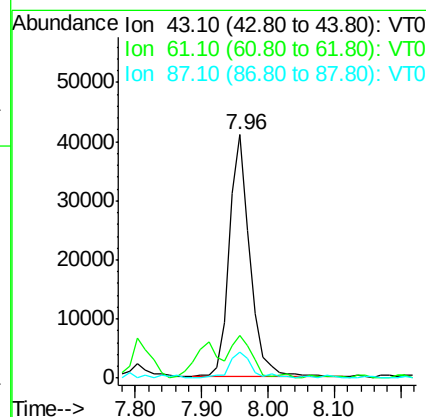
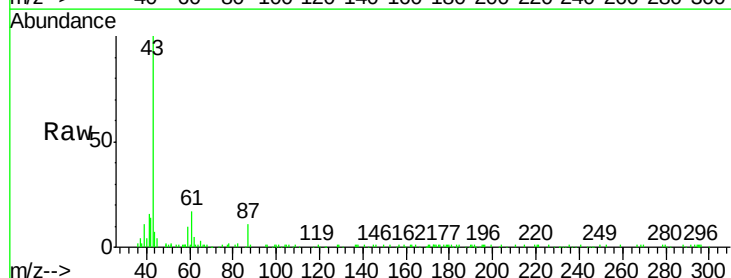
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

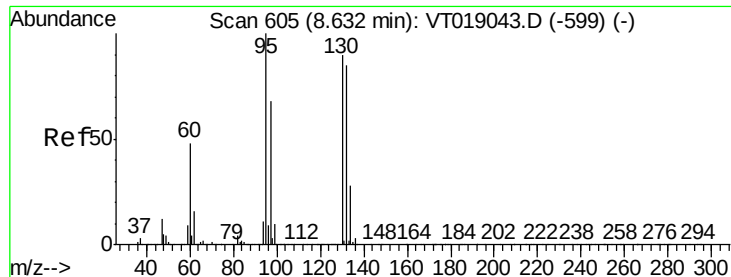
Tot Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	17.4



#42
 Isopropyl Acetate
 Concen: 9.45 ug/l
 RT: 7.96 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.3	17.9	26.9#
87	10.6	11.0	16.6#





#43

Trichloroethene

Concen: 10.58 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

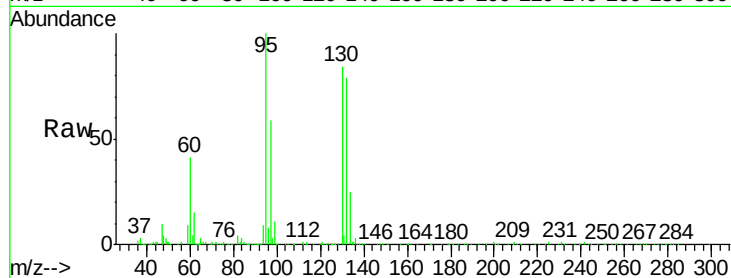
LOQ-SOIL-02-QT2-2018

Tot Ion:130 Resp: 136711

Ion Ratio Lower Upper

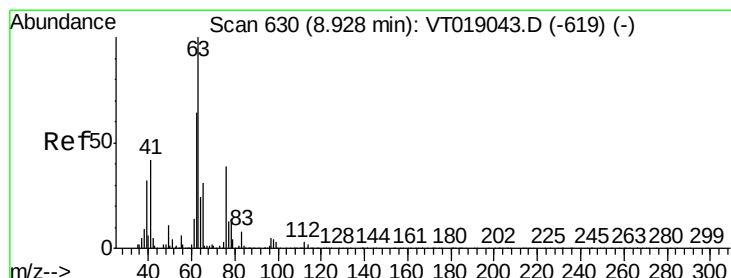
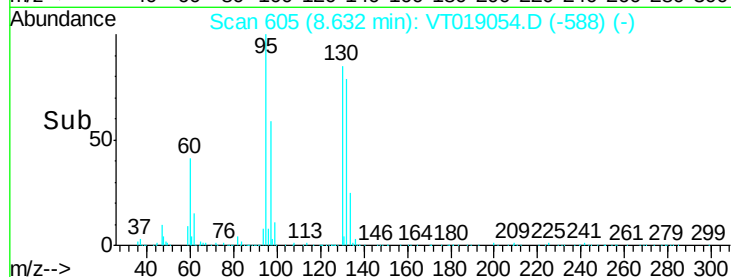
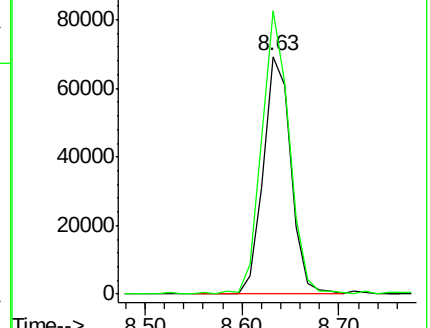
130 100

95 119.1 0.0 222.6



Abundance Ion 129.90 (129.60 to 130.60): VT0

Ion 95.00 (94.70 to 95.70): VT0



#44

1,2-Dichloropropane

Concen: 10.52 ug/l

RT: 8.93 min Scan# 630

Delta R.T. -0.00 min

Lab File: VT019054.D

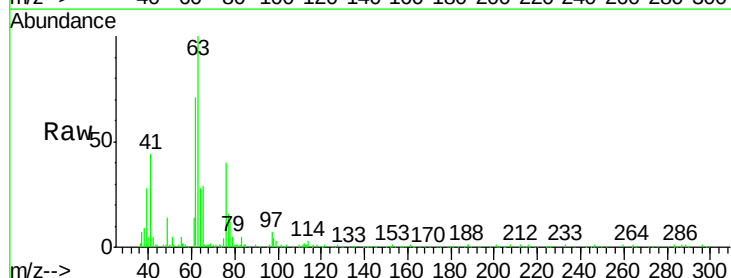
Acq: 9 May 2018 13:21

Tgt Ion: 63 Resp: 138588

Ion Ratio Lower Upper

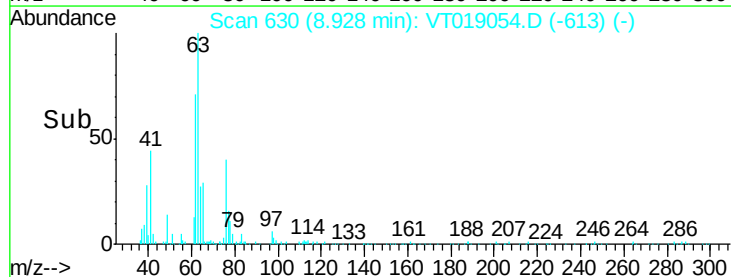
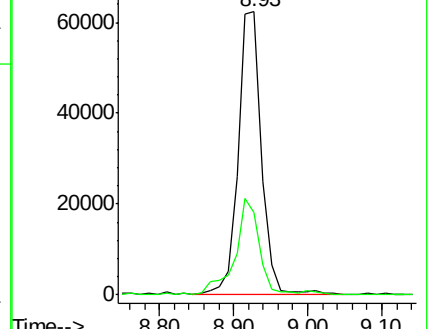
63 100

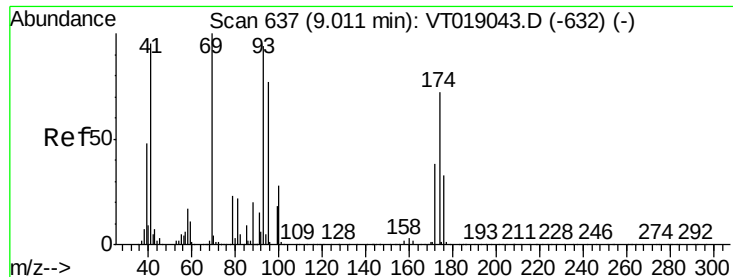
65 29.6 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

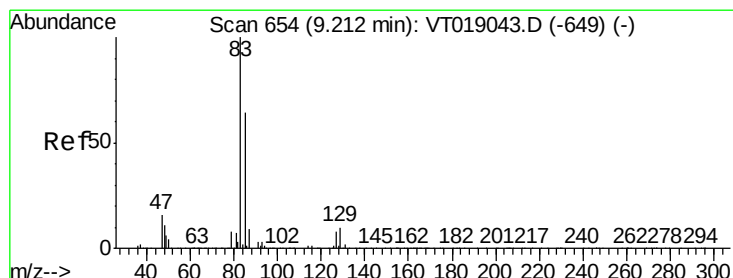
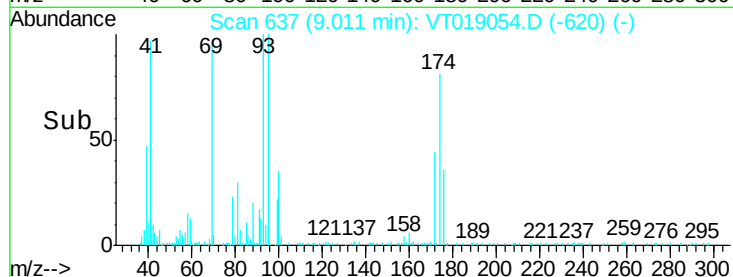
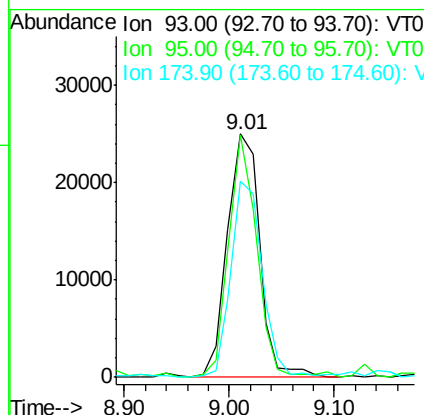
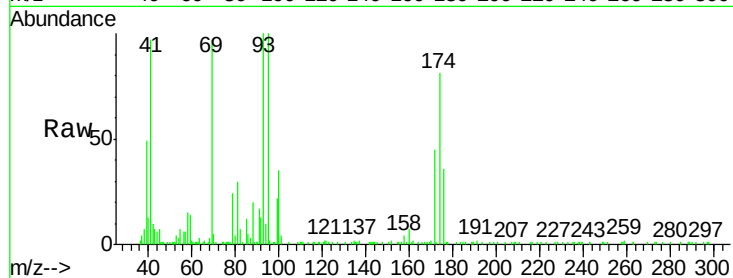




#45
Dibromomethane
Concen: 10.31 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

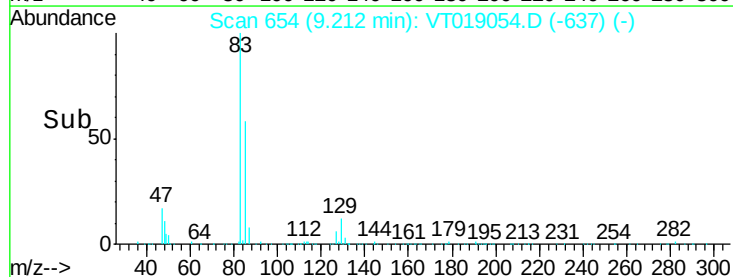
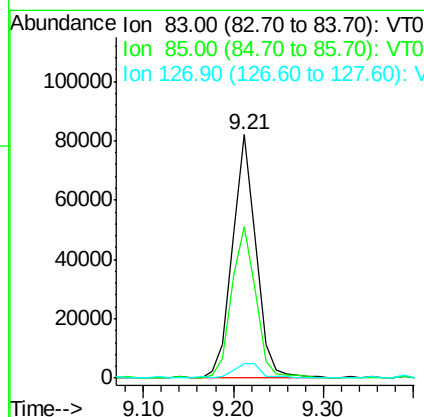
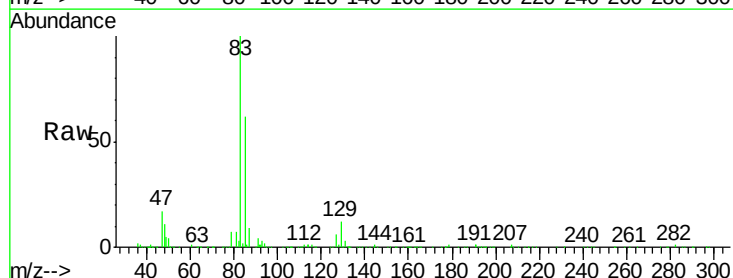
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

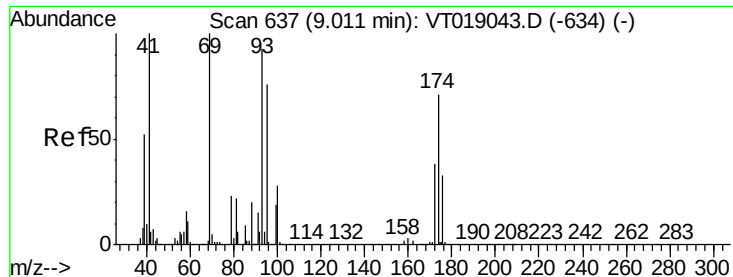
Tot Ion: 93 Resp: 53422
Ion Ratio Lower Upper
93 100
95 99.5 65.5 98.3#
174 80.5 60.9 91.3



#46
Bromodichloromethane
Concen: 9.89 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion: 83 Resp: 148901
Ion Ratio Lower Upper
83 100
85 62.0 51.3 76.9
127 6.1 6.1 9.1





#47

Methvl methacrylate

Concen: 9.85 ug/l

RT: 9.01 min Scan# 637

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

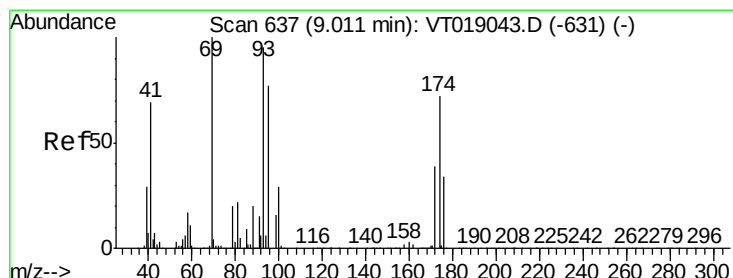
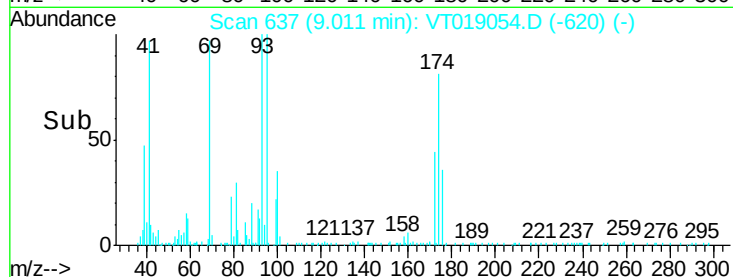
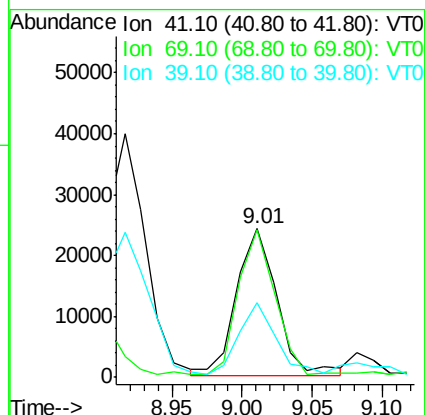
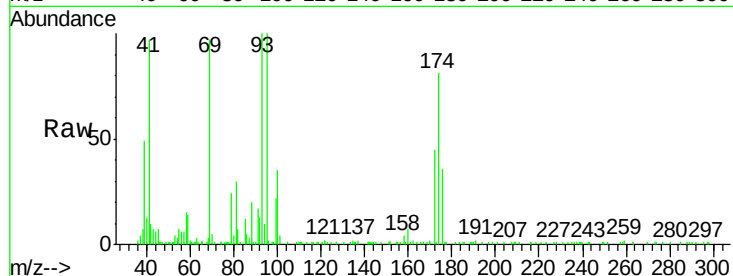
Tot Ion: 41 Resp: 48621

Ion Ratio Lower Upper

41 100

69 99.6 78.4 117.6

39 50.5 41.4 62.2



#48

1,4-Dioxane

Concen: 177.61 ug/l

RT: 9.01 min Scan# 637

Delta R.T. 0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

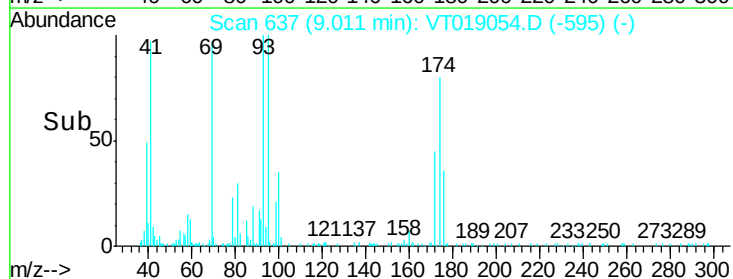
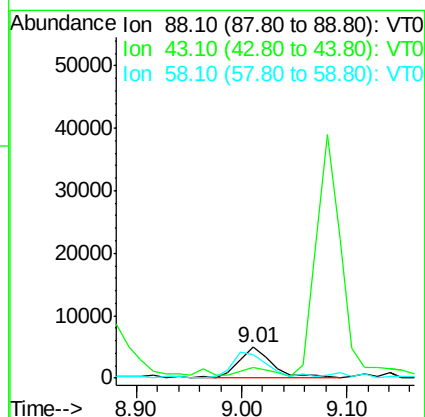
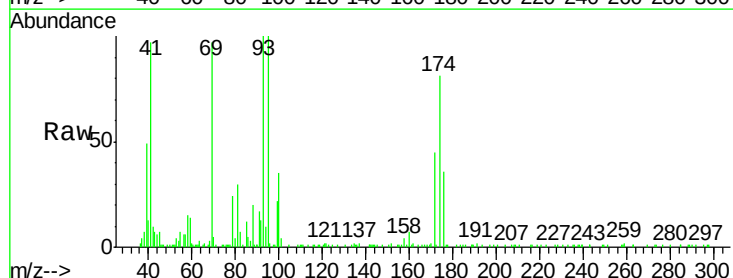
Tgt Ion: 88 Resp: 11129

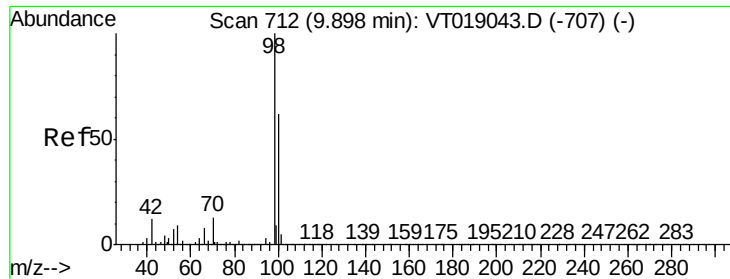
Ion Ratio Lower Upper

88 100

43 36.7 30.5 45.7

58 76.0 67.5 101.3





#49

Toluene-d8

Concen: 54.61 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

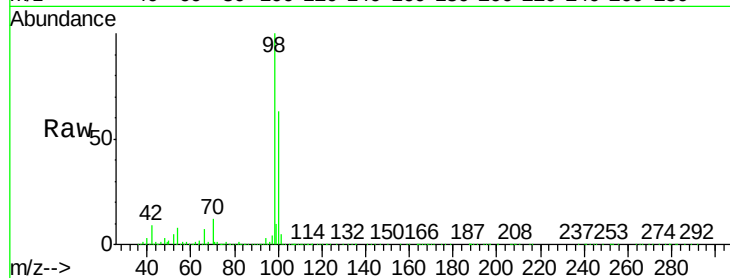
LOQ-SOIL-02-QT2-2018

Tot Ion: 98 Resp: 2449182

Ion Ratio Lower Upper

98 100

100 62.7 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

1500000 Ion 100.10 (99.80 to 100.80): VT0

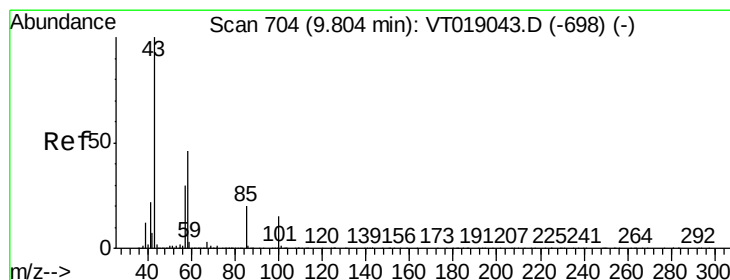
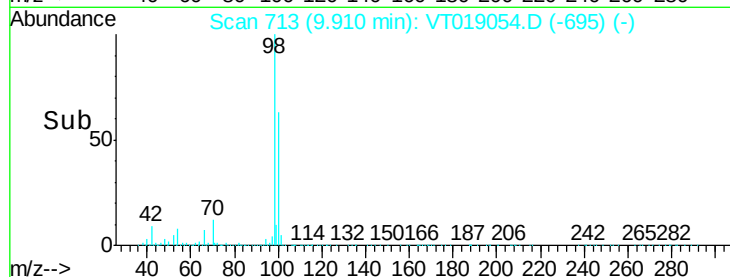
9.91

1000000

500000

0

Time-->



#50

4-Methyl-2-Pentanone

Concen: 48.54 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019054.D

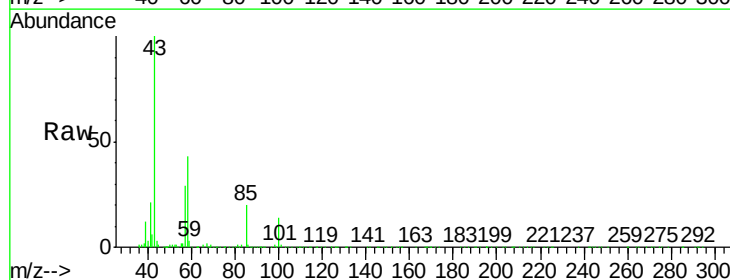
Acq: 9 May 2018 13:21

Tgt Ion: 43 Resp: 254133

Ion Ratio Lower Upper

43 100

58 43.1 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0

9.80

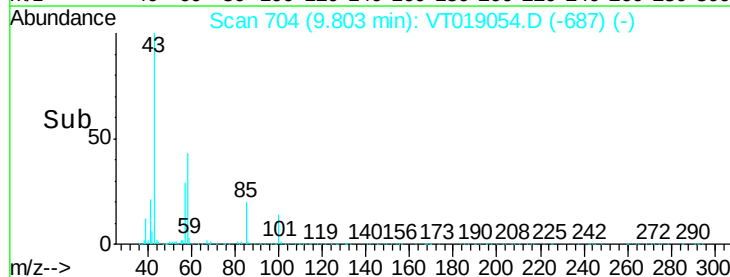
150000

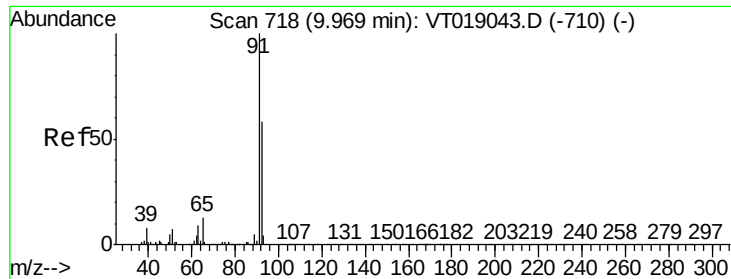
100000

50000

0

Time-->





#51

Toluene

Concen: 11.08 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

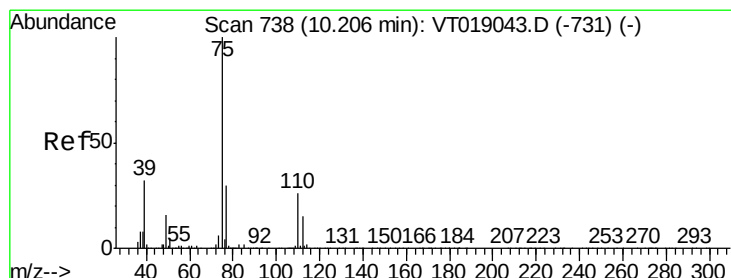
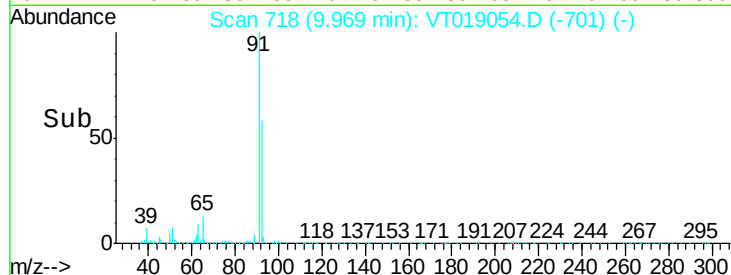
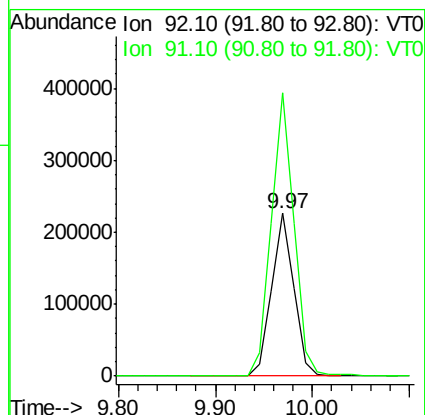
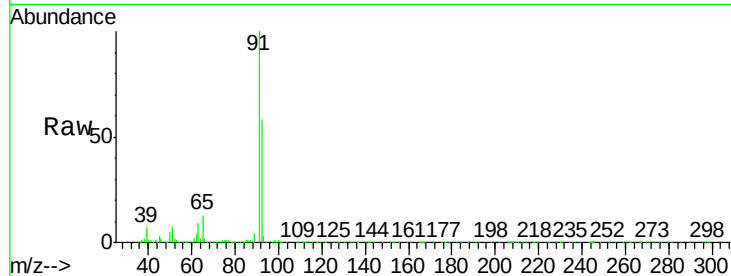
LOQ-SOIL-02-QT2-2018

Tot Ion: 92 Resp: 359859

Ion Ratio Lower Upper

92 100

91 173.8 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 9.38 ug/l

RT: 10.21 min Scan# 738

Delta R.T. -0.00 min

Lab File: VT019054.D

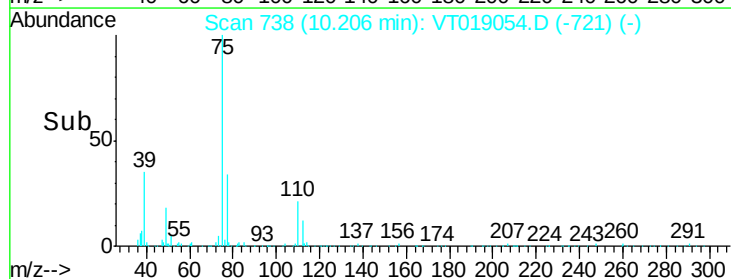
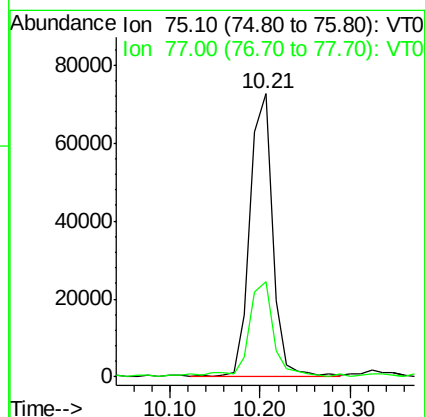
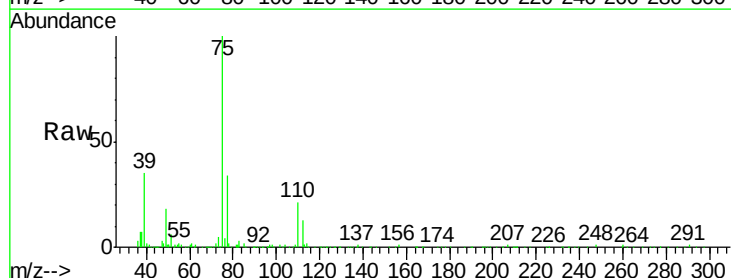
Acq: 9 May 2018 13:21

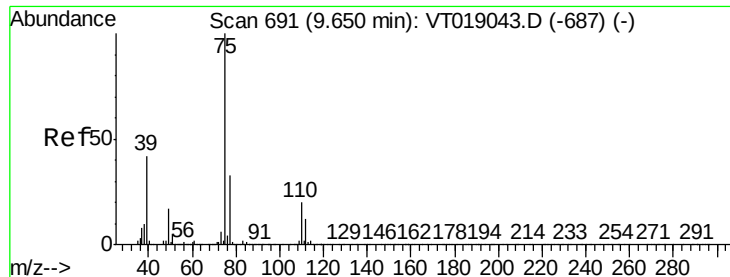
Tgt Ion: 75 Resp: 128338

Ion Ratio Lower Upper

75 100

77 33.8 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 9.54 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

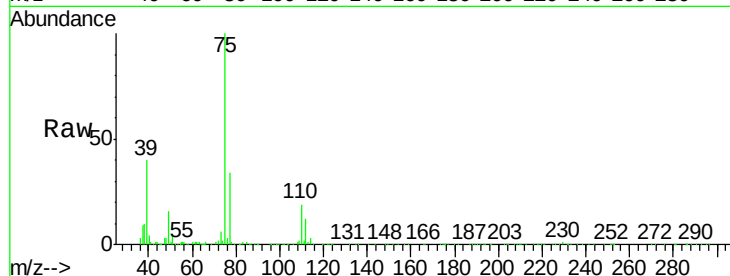
Tot Ion: 75 Resp: 166295

Ion Ratio Lower Upper

75 100

77 33.9 26.6 39.8

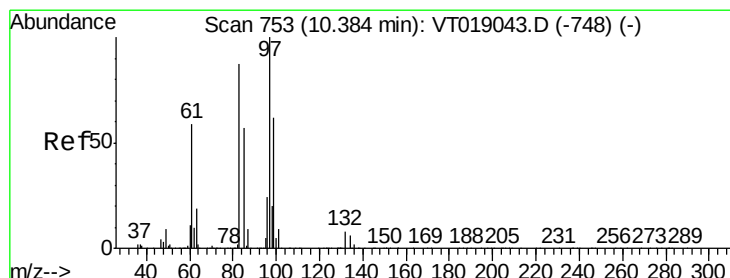
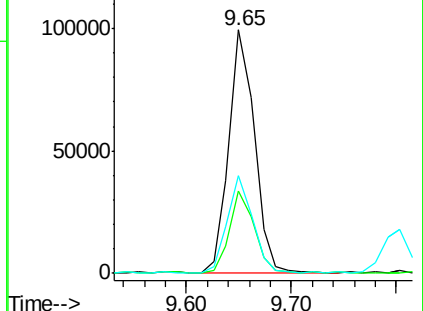
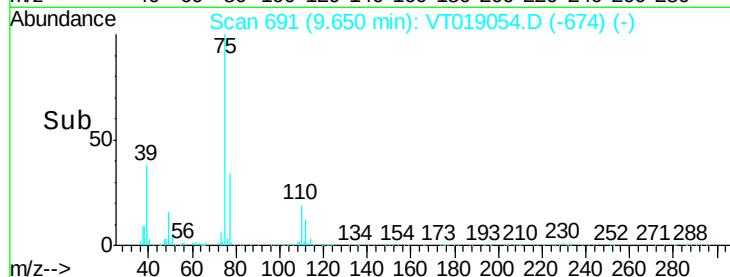
39 40.3 34.1 51.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.00 (76.70 to 77.70): VT0

Ion 39.10 (38.80 to 39.80): VT0



#54

1,1,2-Trichloroethane

Concen: 10.14 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Tgt Ion: 97 Resp: 79793

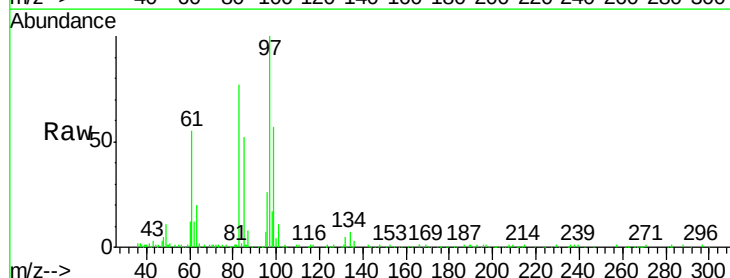
Ion Ratio Lower Upper

97 100

83 77.5 69.7 104.5

85 52.2 46.1 69.1

99 56.8 49.6 74.4

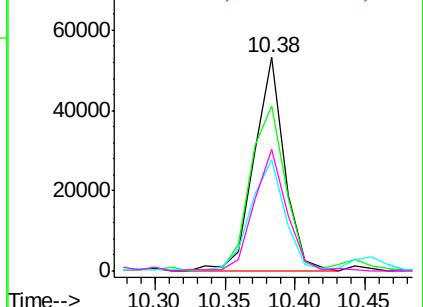
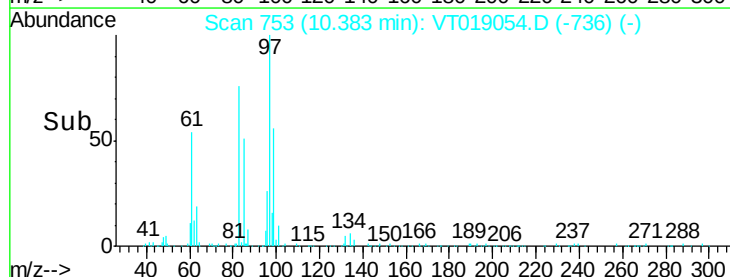


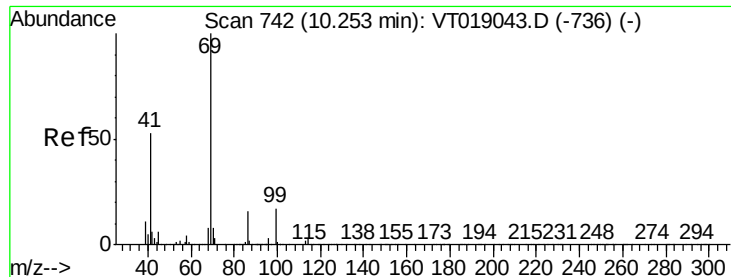
Abundance Ion 97.00 (96.70 to 97.70): VT0

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: 8.94 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

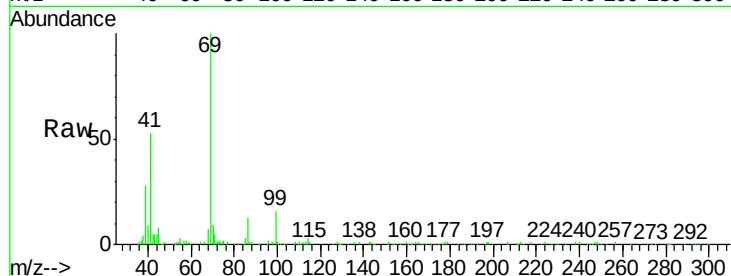
Tot Ion: 69 Resp: 84212

Ion Ratio Lower Upper

69 100

41 53.3 42.9 64.3

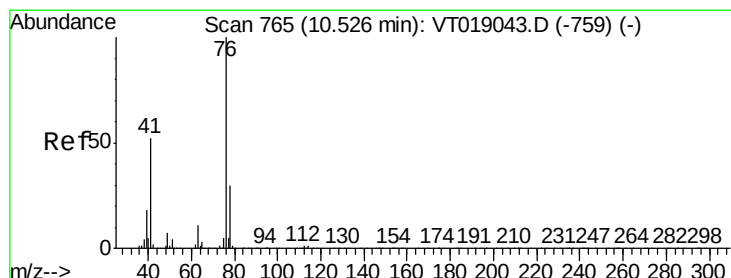
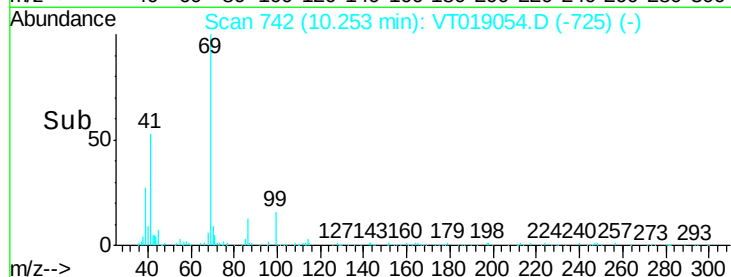
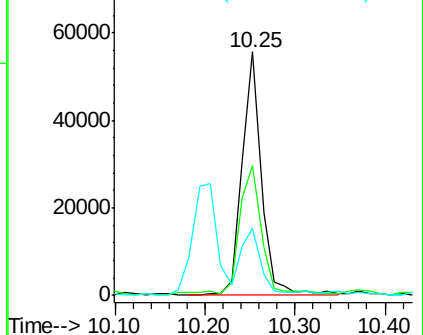
39 27.6 21.2 31.8



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: 9.79 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019054.D

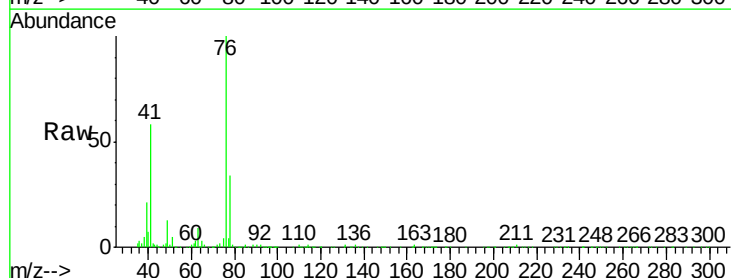
Acq: 9 May 2018 13:21

Tgt Ion: 76 Resp: 137801

Ion Ratio Lower Upper

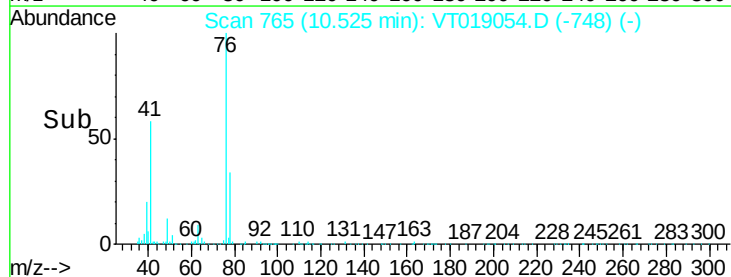
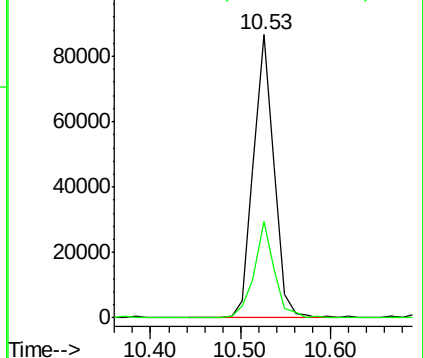
76 100

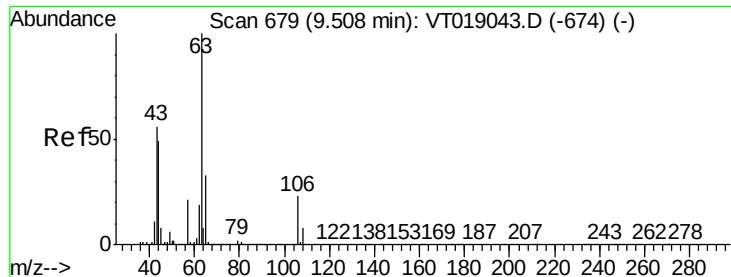
78 34.0 24.1 36.1



Abundance Ion 76.10 (75.80 to 76.80): VT0

Ion 78.10 (77.80 to 78.80): VT0





#57

2-Chloroethyl Vinyl ether

Concen: 50.50 ug/l

RT: 9.51 min Scan# 679

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

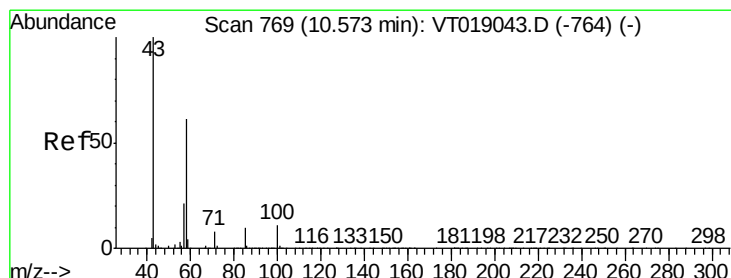
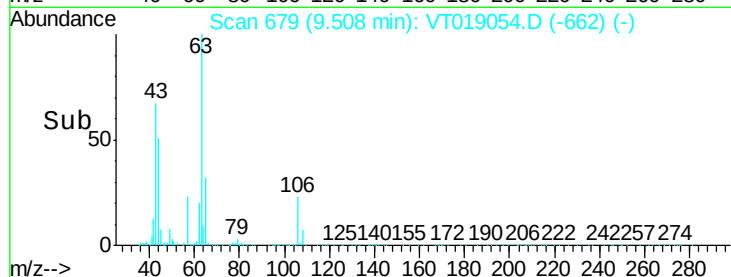
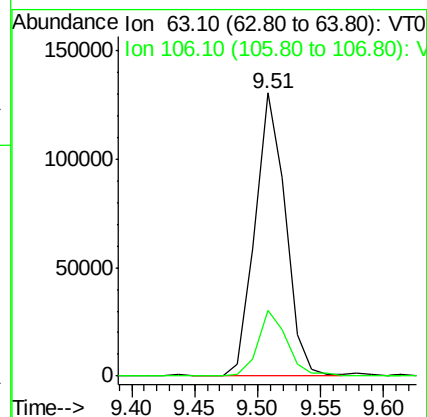
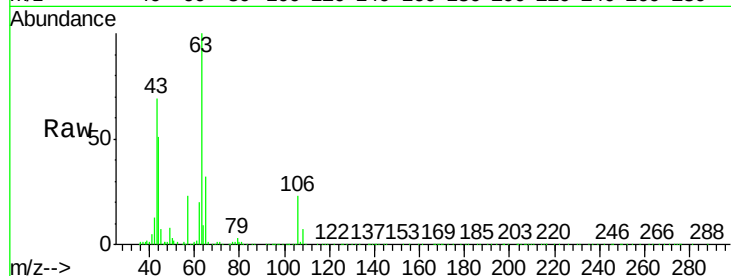
LOQ-SOIL-02-QT2-2018

Tot Ion: 63 Resp: 219328

Ion Ratio Lower Upper

63 100

106 23.2 18.7 28.1



#58

2-Hexanone

Concen: 51.67 ug/l

RT: 10.57 min Scan# 769

Delta R.T. -0.00 min

Lab File: VT019054.D

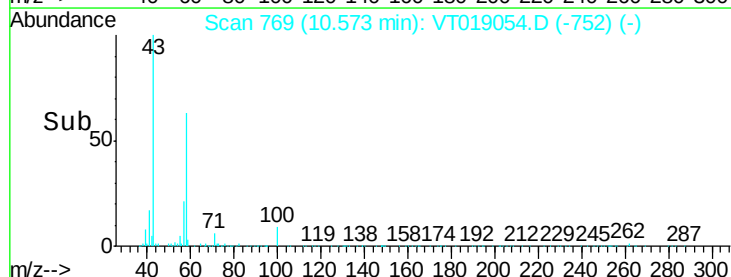
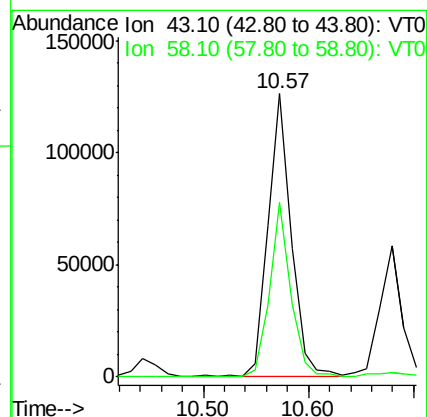
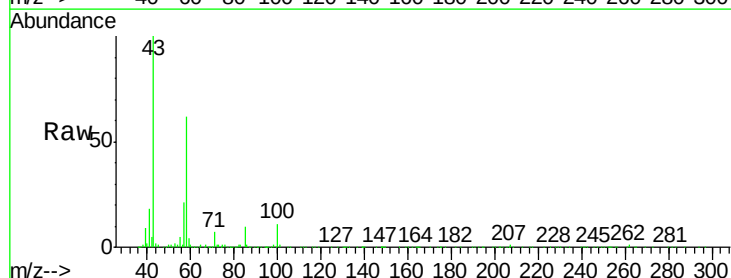
Acq: 9 May 2018 13:21

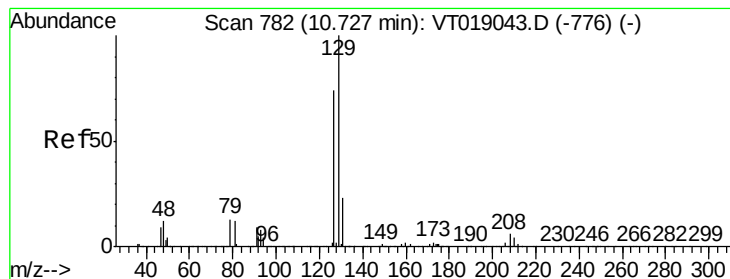
Tgt Ion: 43 Resp: 196142

Ion Ratio Lower Upper

43 100

58 61.8 30.6 92.0





#59

Dibromochloromethane

Concen: 8.94 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

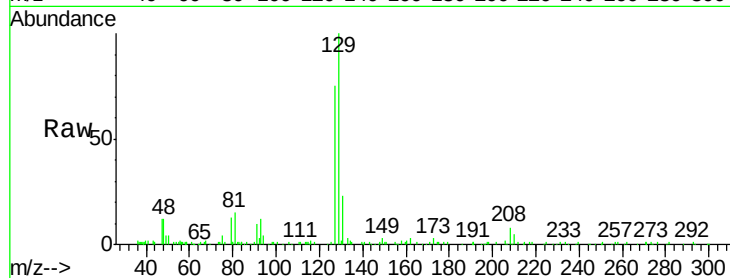
LOQ-SOIL-02-QT2-2018

Tot Ion:129 Resp: 73120

Ion Ratio Lower Upper

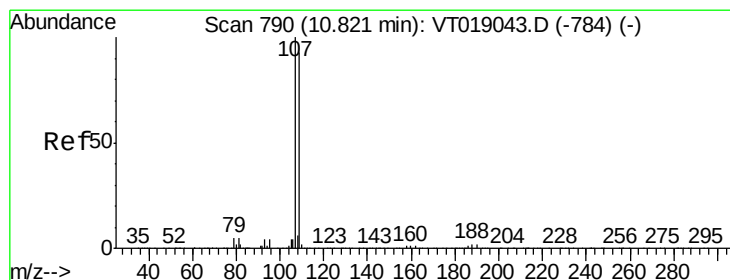
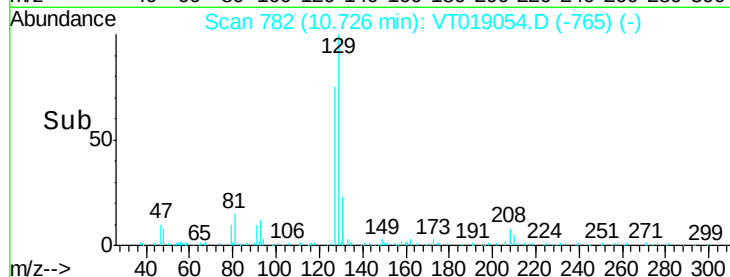
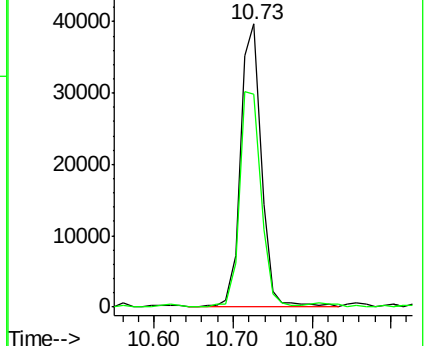
129 100

127 75.3 37.3 111.8



Abundance Ion 128.90 (128.60 to 129.60): V

Ion 126.90 (126.60 to 127.60): V



#60

1,2-Dibromoethane

Concen: 10.20 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019054.D

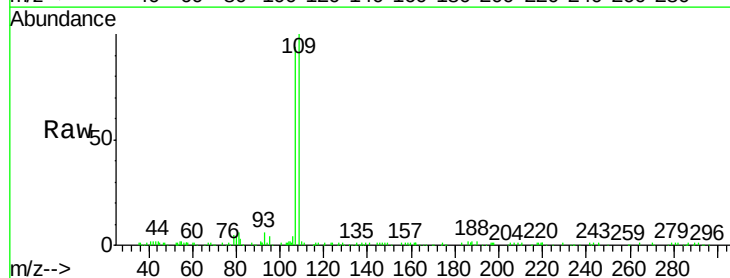
Acq: 9 May 2018 13:21

Tgt Ion:107 Resp: 69316

Ion Ratio Lower Upper

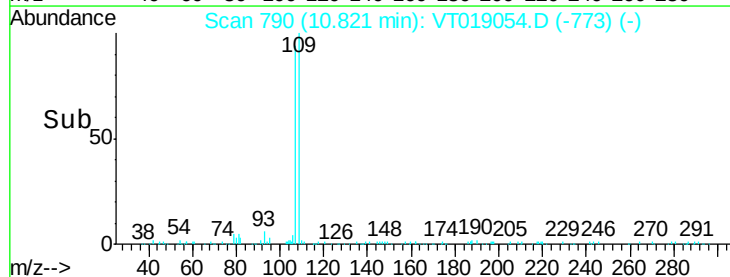
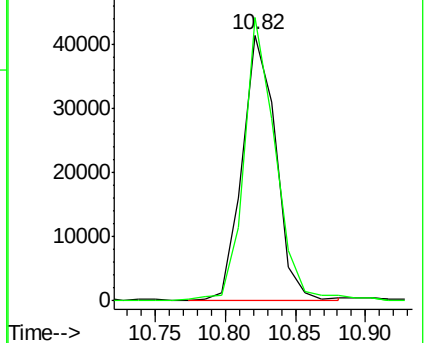
107 100

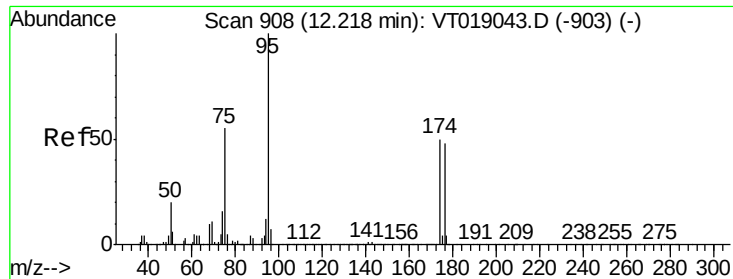
109 106.4 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 52.44 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

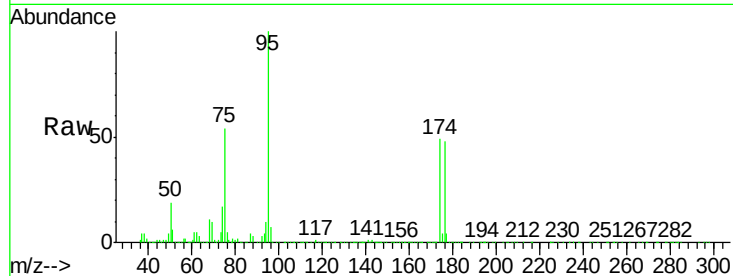
Tot Ion: 95 Resp: 885452

Ion Ratio Lower Upper

95 100

174 48.8 0.0 100.0

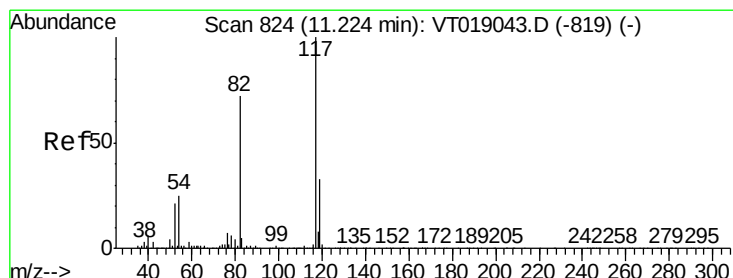
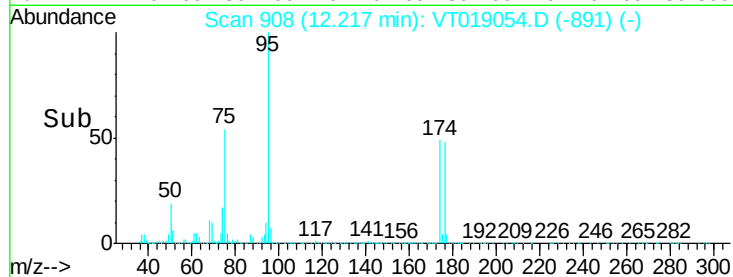
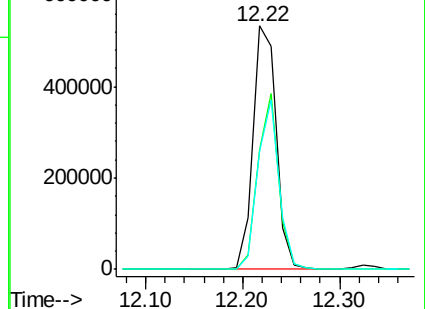
176 48.5 0.0 96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0

Ion 174.00 (173.70 to 174.70): VT0

Ion 176.00 (175.70 to 176.70): VT0



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

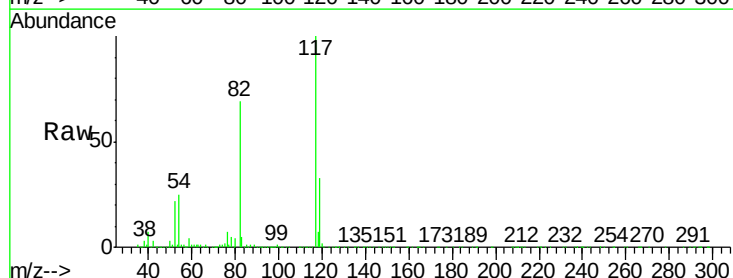
Tgt Ion: 117 Resp: 1567541

Ion Ratio Lower Upper

117 100

82 68.9 57.6 86.4

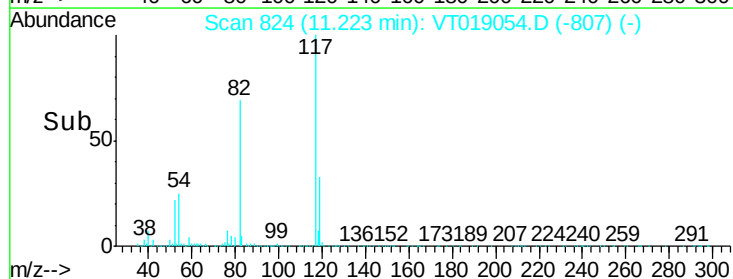
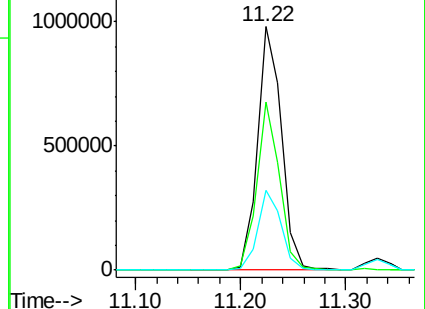
119 32.8 26.6 40.0

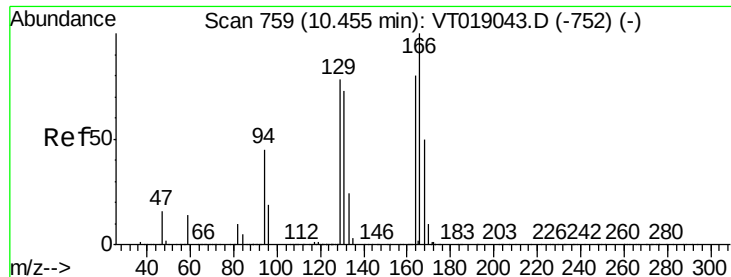


Abundance Ion 117.10 (116.80 to 117.80): VT0

Ion 82.10 (81.80 to 82.80): VT0

Ion 119.10 (118.80 to 119.80): VT0

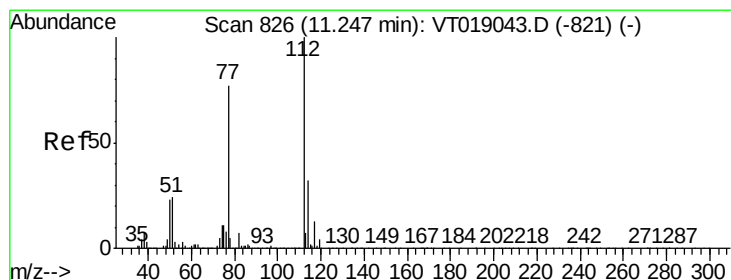
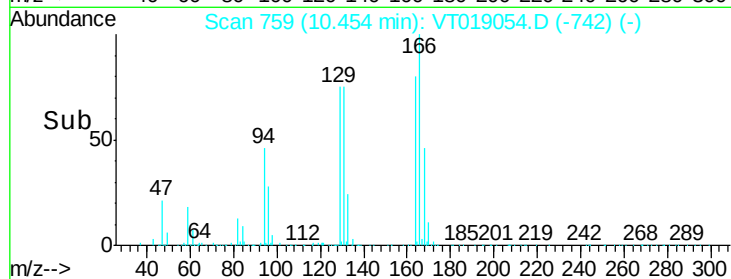
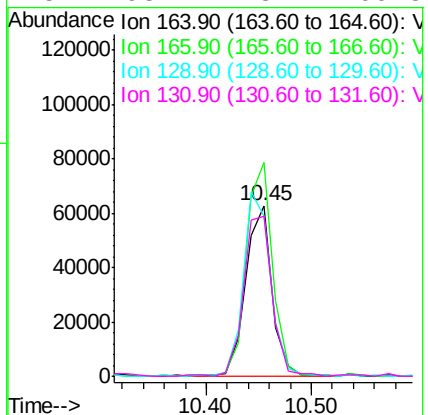
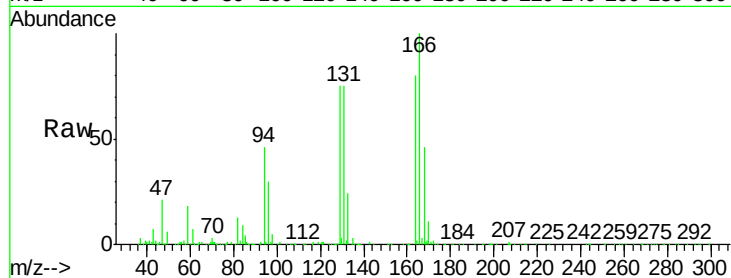




#63
Tetrachloroethene
Concen: 10.15 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

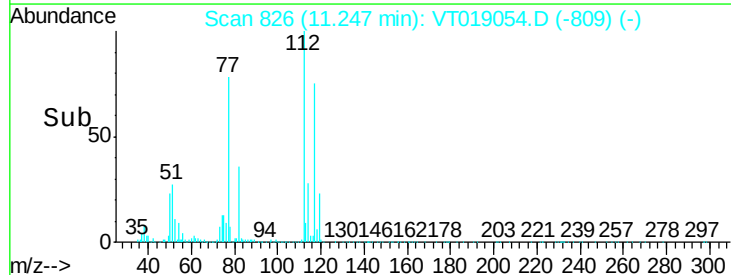
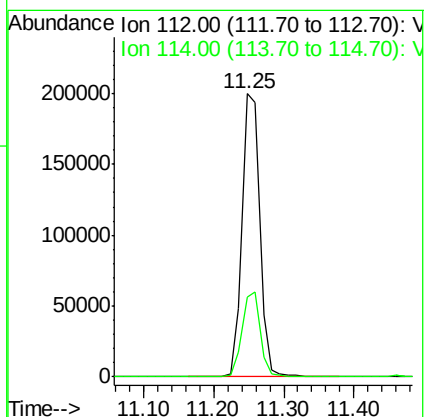
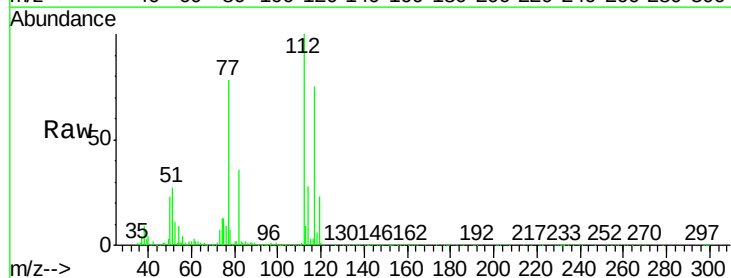
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

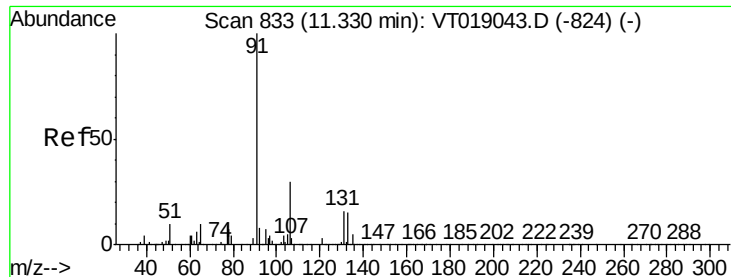
Tot Ion:164 Resp: 108910
Ion Ratio Lower Upper
164 100
166 125.0 100.6 151.0
129 93.4 78.1 117.1
131 93.4 73.2 109.8



#64
Chlorobenzene
Concen: 10.93 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion:112 Resp: 354947
Ion Ratio Lower Upper
112 100
114 28.4 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 9.89 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

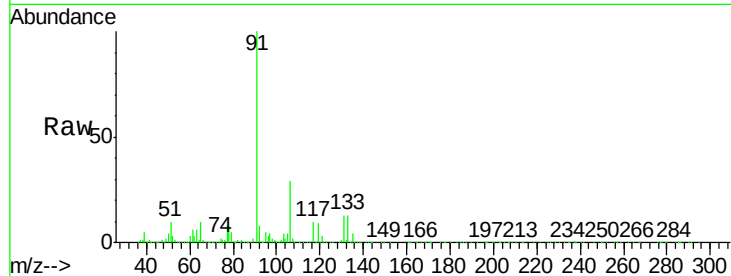
Tot Ion:131 Resp: 104227

Ion Ratio Lower Upper

131 100

133 102.0 47.8 143.3

119 69.3 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

400000

300000

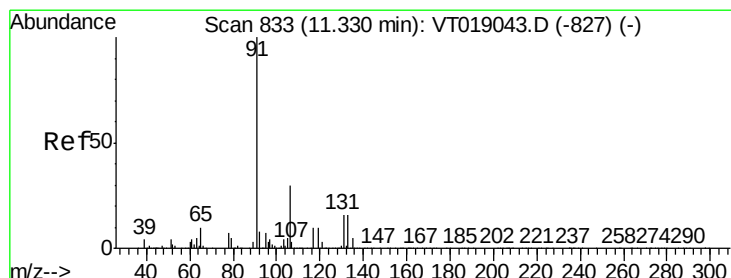
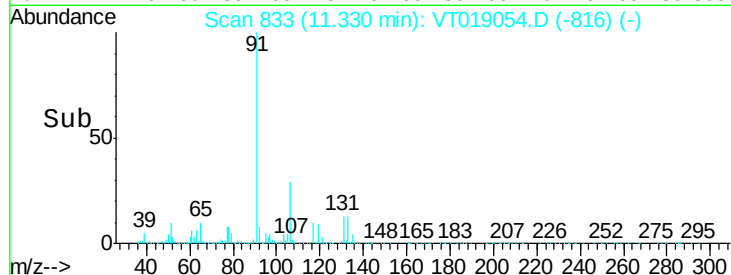
200000

100000

0

11.20 11.30 11.40

Time-->



#66

Ethyl Benzene

Concen: 11.92 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019054.D

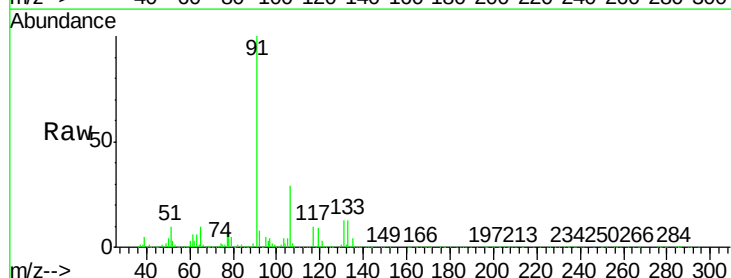
Acq: 9 May 2018 13:21

Tgt Ion: 91 Resp: 742210

Ion Ratio Lower Upper

91 100

106 29.3 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

600000

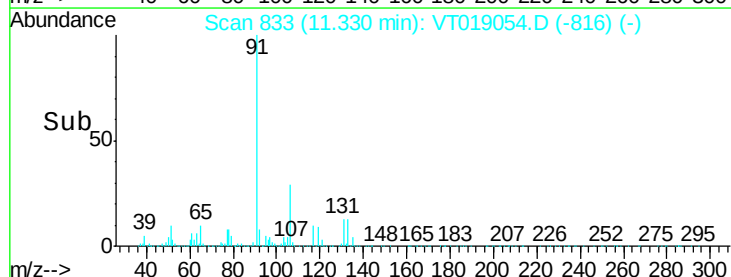
400000

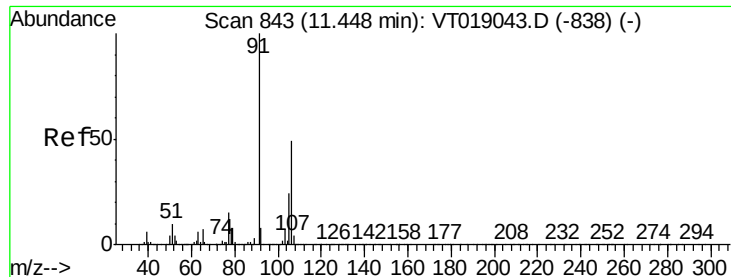
200000

0

11.30 11.40

Time-->





#67

m/p-Xylenes

Concen: 22.72 ug/l

RT: 11.45 min Scan# 843

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

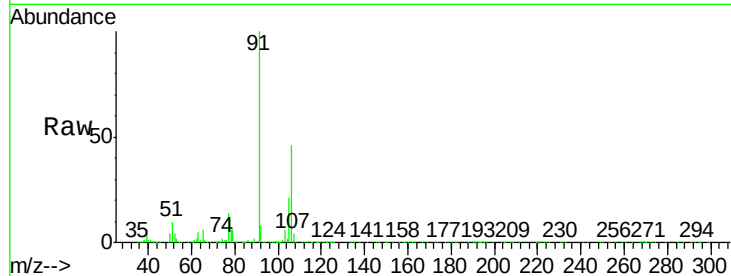
LOQ-SOIL-02-QT2-2018

Tot Ion:106 Resp: 525967

Ion Ratio Lower Upper

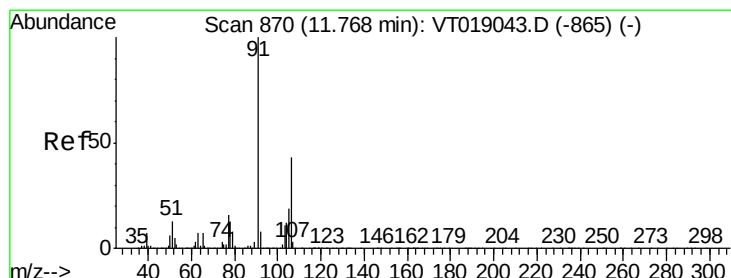
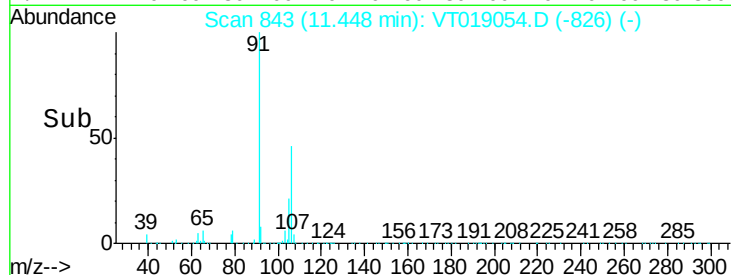
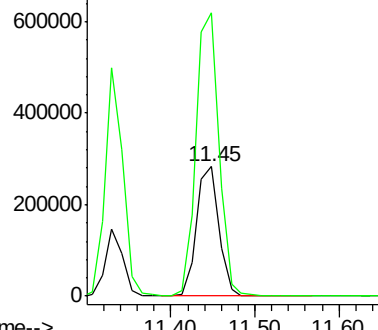
106 100

91 218.5 162.2 243.4



Abundance Ion 106.10 (105.80 to 106.80): V

Ion 91.10 (90.80 to 91.80): VT0



#68

o-Xylene

Concen: 10.79 ug/l

RT: 11.77 min Scan# 870

Delta R.T. -0.00 min

Lab File: VT019054.D

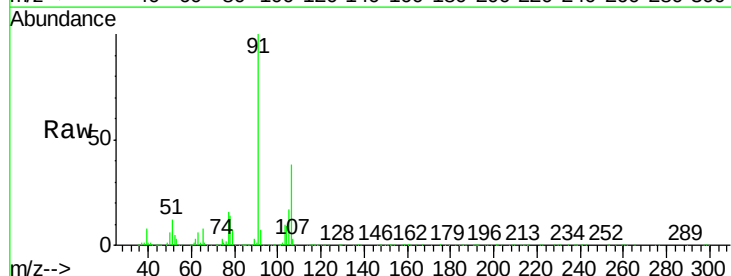
Acq: 9 May 2018 13:21

Tgt Ion:106 Resp: 234434

Ion Ratio Lower Upper

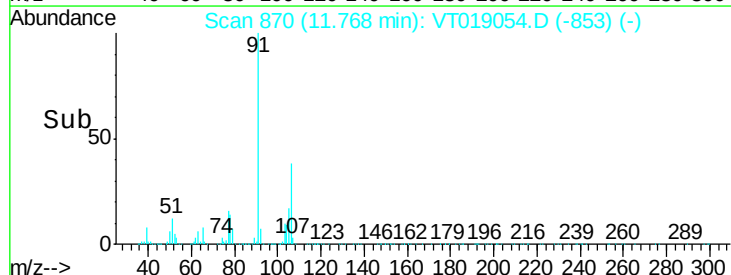
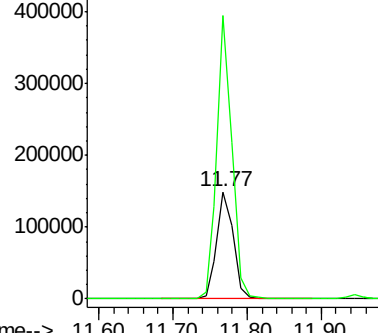
106 100

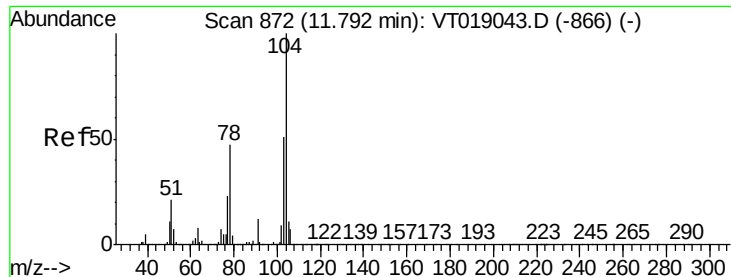
91 264.0 116.0 348.0



Abundance Ion 106.10 (105.80 to 106.80): V

Ion 91.10 (90.80 to 91.80): VT0

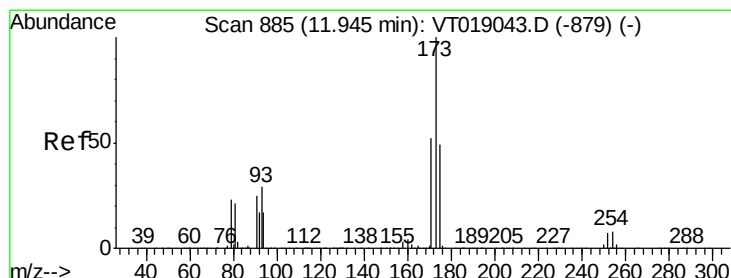
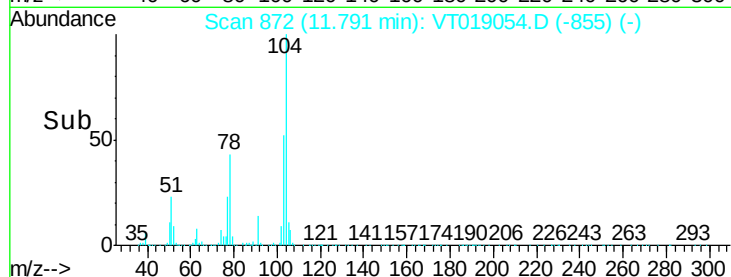
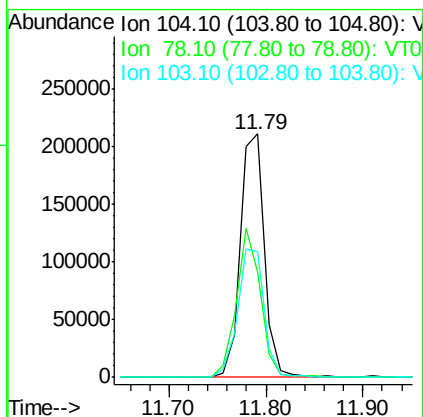
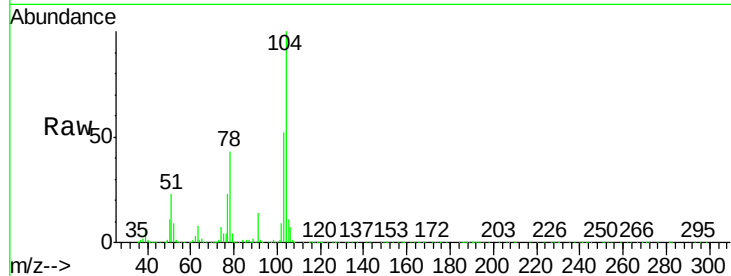




#69
Stvrene
Concen: 10.74 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

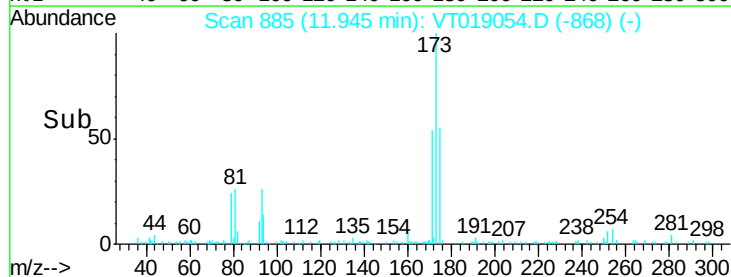
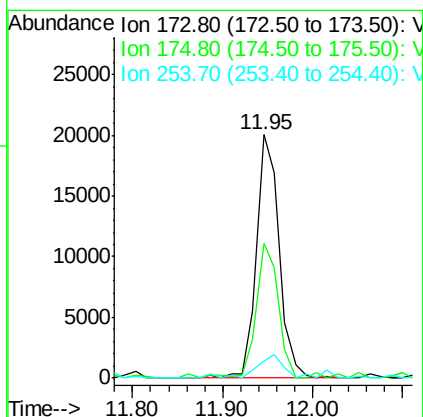
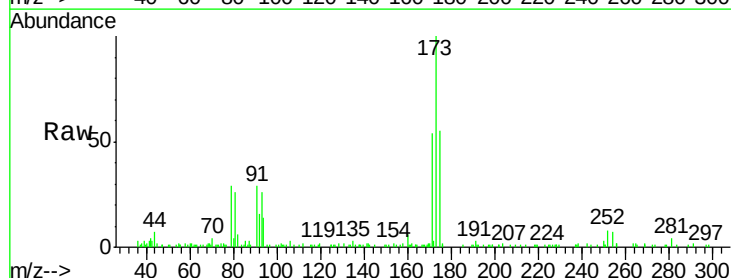
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

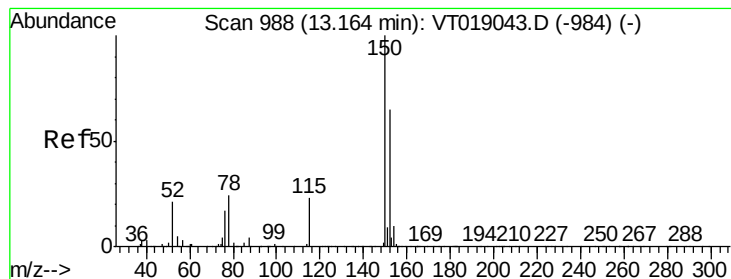
Tot Ion:104 Resp: 361205
Ion Ratio Lower Upper
104 100
78 43.4 38.0 57.0
103 51.8 40.6 61.0



#70
Bromoform
Concen: 8.79 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion:173 Resp: 35205
Ion Ratio Lower Upper
173 100
175 55.4 24.6 73.8
254 7.1 6.1 9.1





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

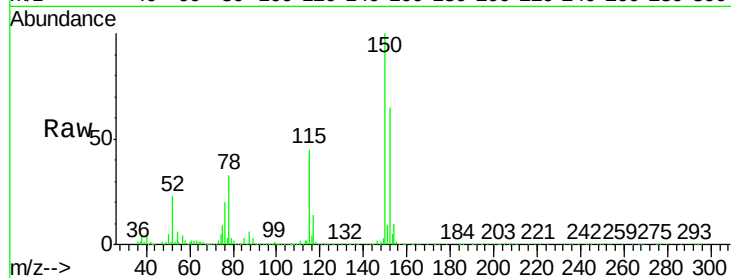
Tot Ion:152 Resp: 720449

Ion Ratio Lower Upper

152 100

115 69.4 34.2 102.6

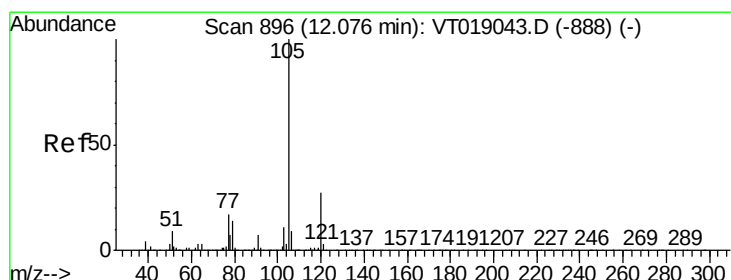
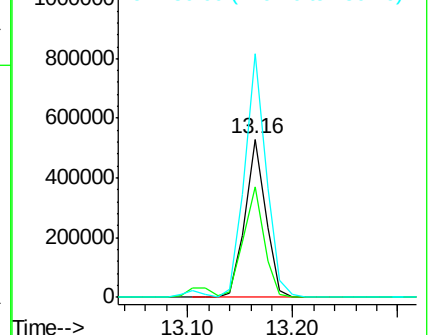
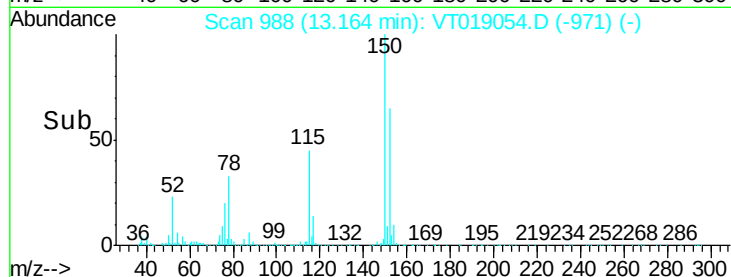
150 153.7 0.0 321.2



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: 12.30 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019054.D

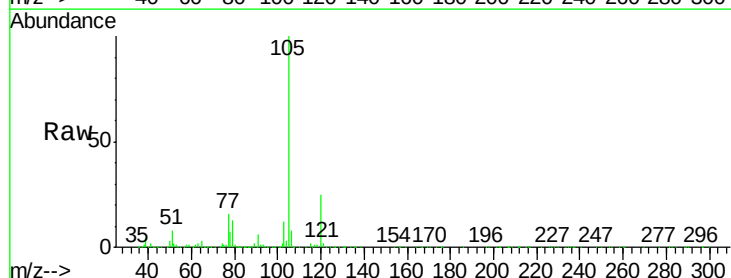
Acq: 9 May 2018 13:21

Tgt Ion:105 Resp: 715404

Ion Ratio Lower Upper

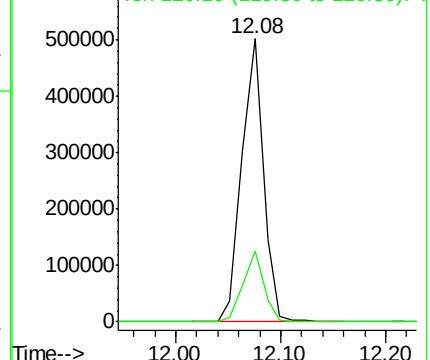
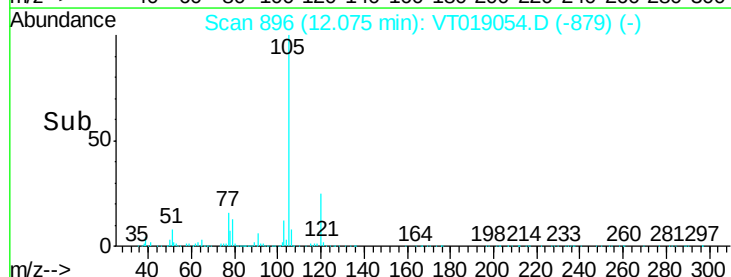
105 100

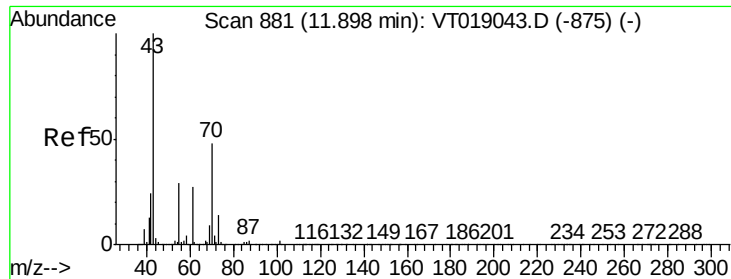
120 25.0 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

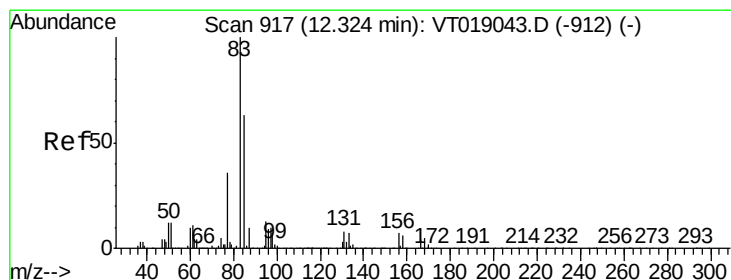
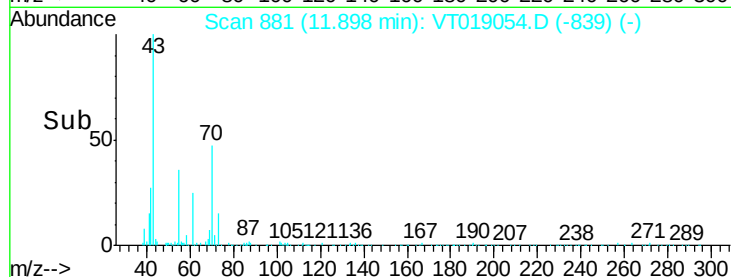
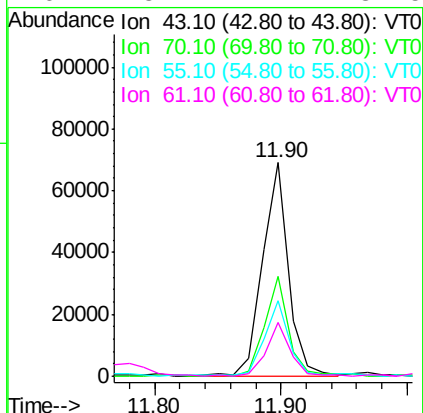
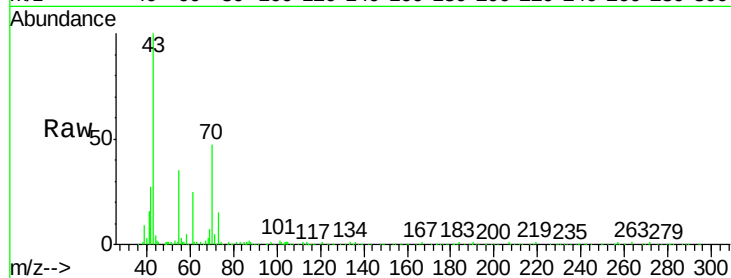




#73
N-amvl acetate
Concen: 10.39 ug/l
RT: 11.90 min Scan# 881
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

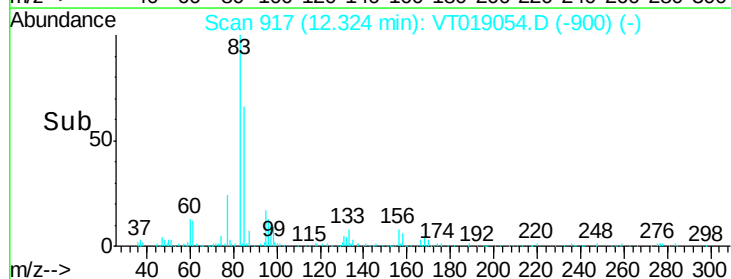
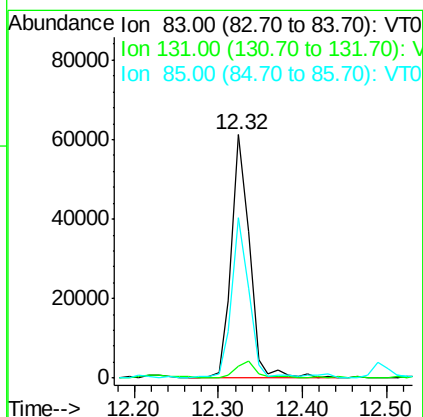
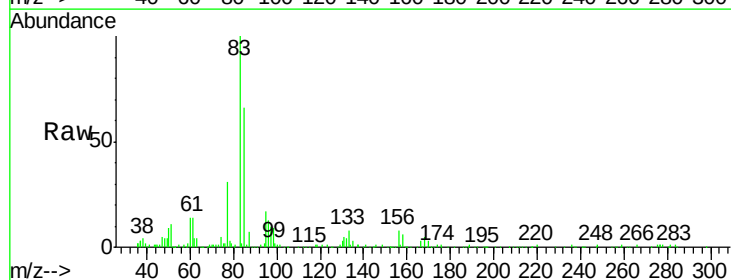
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

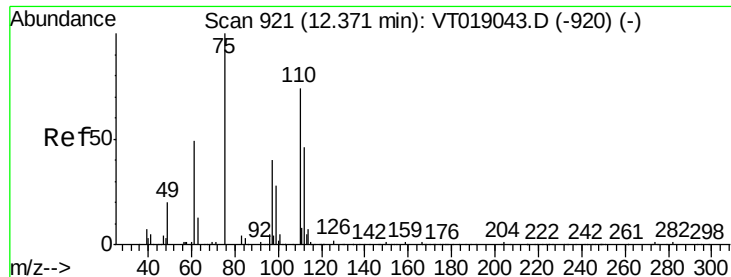
Tot Ion:	43	Resp:	99643
Ion	Ratio	Lower	Upper
43	100		
70	46.7	38.2	57.4
55	35.4	23.5	35.3#
61	25.1	21.7	32.5



#74
1,1,2,2-Tetrachloroethane
Concen: 10.80 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion:	83	Resp:	92416
Ion	Ratio	Lower	Upper
83	100		
131	5.0	4.0	12.2
85	65.7	31.4	94.3





#75

1,2,3-Trichloropropane

Concen: 10.33 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

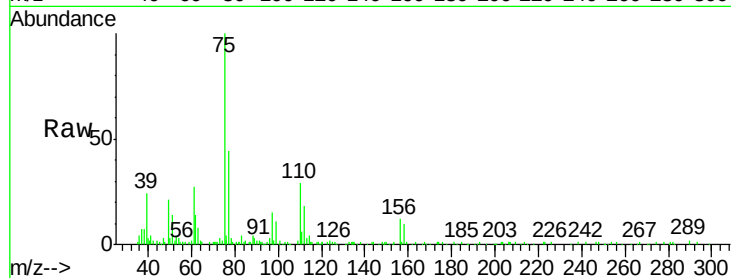
LOQ-SOIL-02-QT2-2018

Tot Ion: 75 Resp: 63282

Ion Ratio Lower Upper

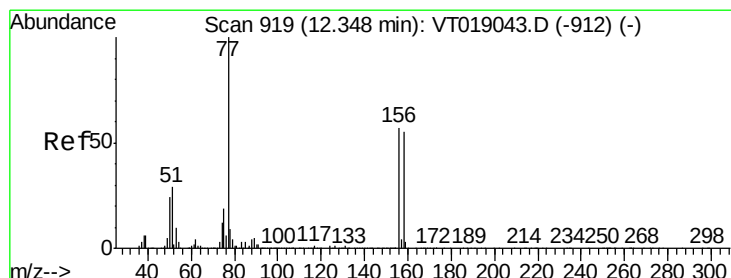
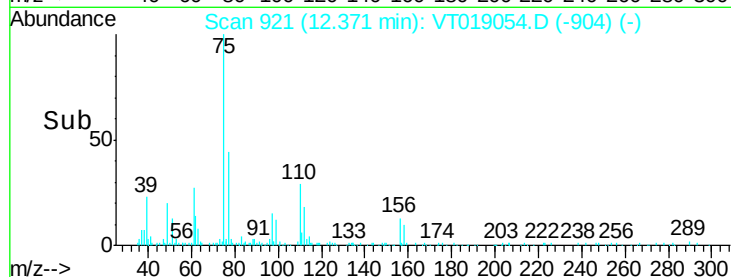
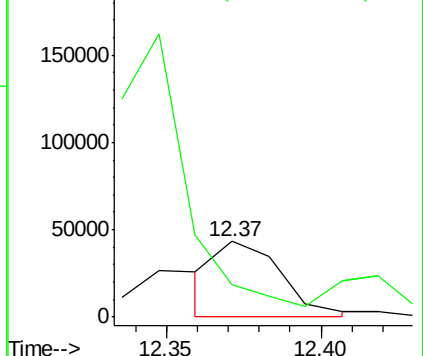
75 100

77 43.9 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: 10.80 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

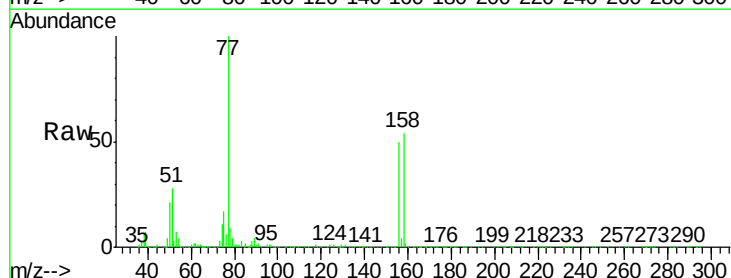
Tgt Ion: 156 Resp: 124415

Ion Ratio Lower Upper

156 100

77 199.8 87.8 263.4

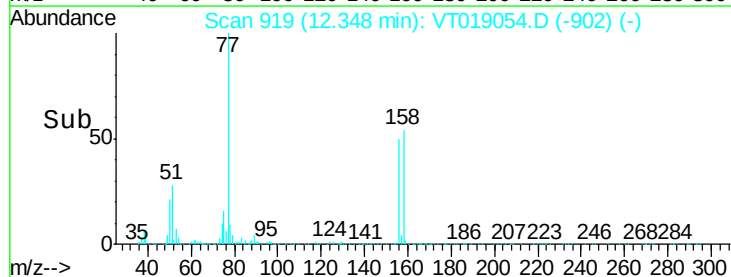
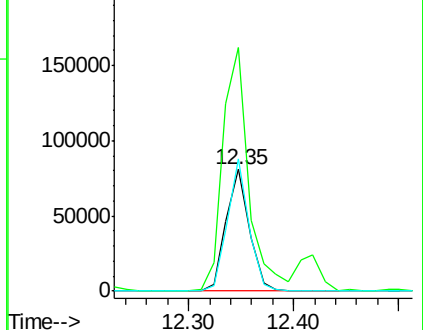
158 108.5 48.3 144.8

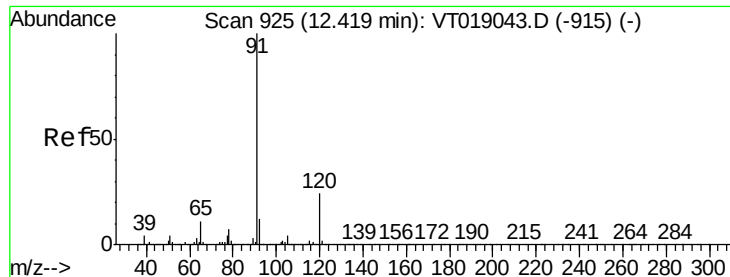


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 11.28 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

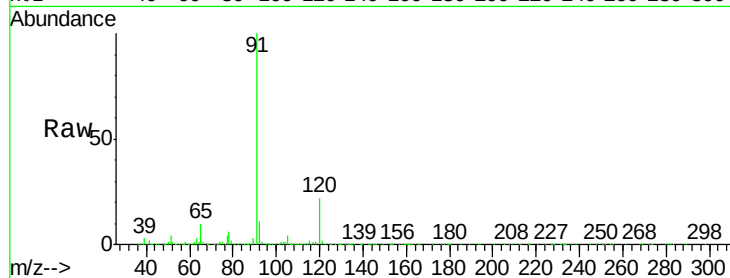
LOQ-SOIL-02-QT2-2018

Tot Ion: 91 Resp: 938358

Ion Ratio Lower Upper

91 100

120 21.8 12.0 36.1



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 120.10 (119.80 to 120.80): VT0

12.42

600000

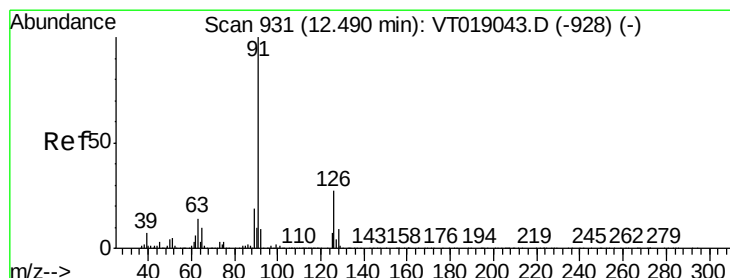
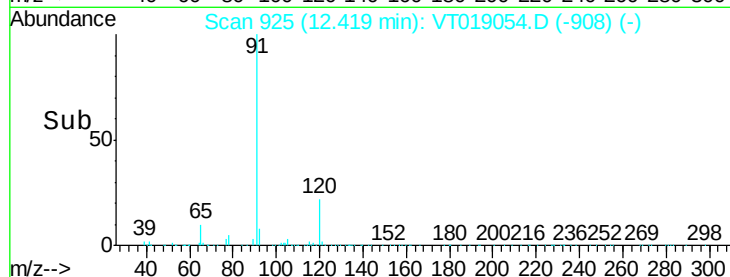
400000

200000

0

12.35 12.40 12.45

Time-->



#78

2-Chlorotoluene

Concen: 11.82 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019054.D

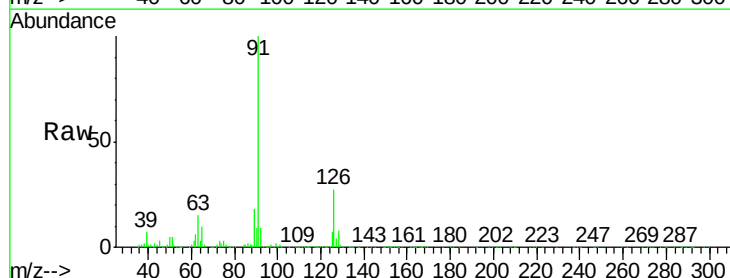
Acq: 9 May 2018 13:21

Tgt Ion: 91 Resp: 504572

Ion Ratio Lower Upper

91 100

126 27.0 13.5 40.5



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 126.00 (125.70 to 126.70): VT0

12.49

600000

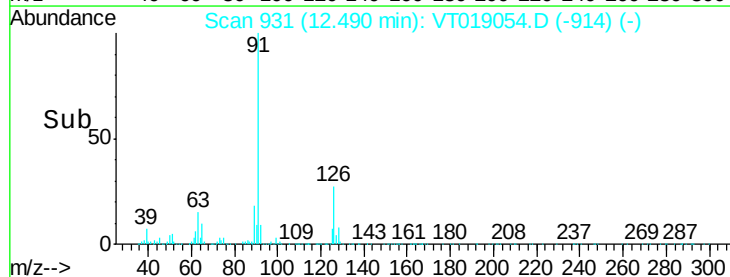
400000

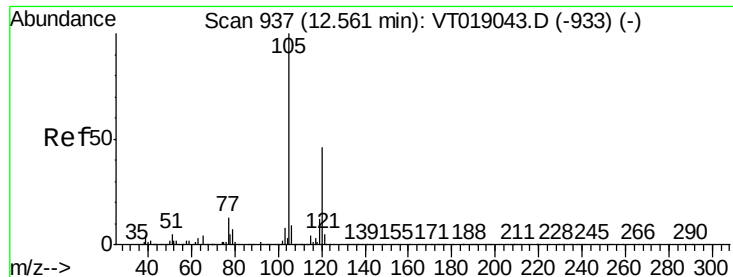
200000

0

12.45 12.50

Time-->

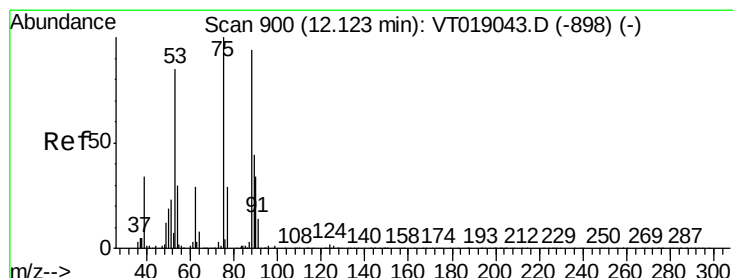
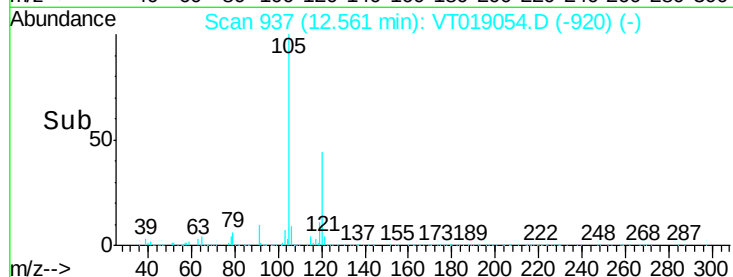
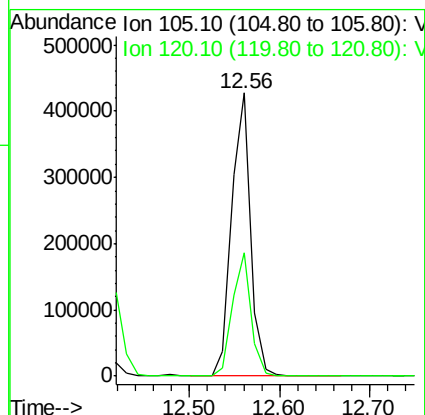
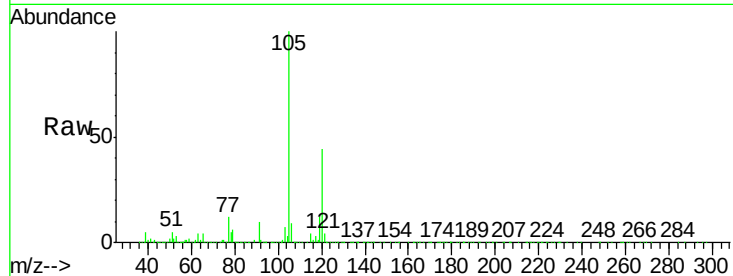




#79
 1,3,5-Trimethylbenzene
 Concen: 12.36 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

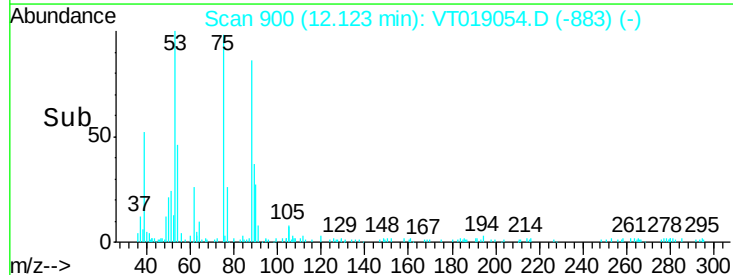
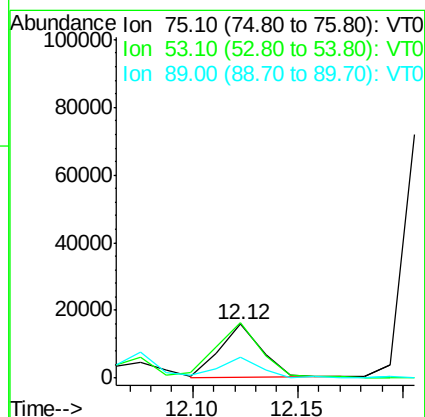
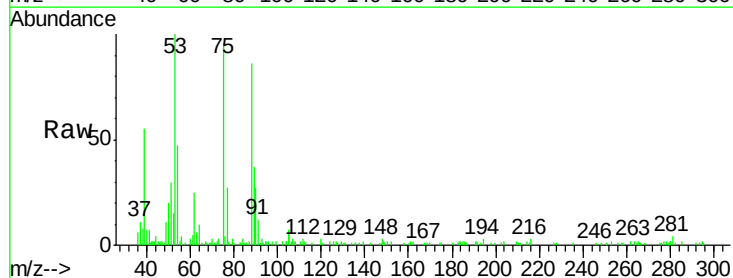
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

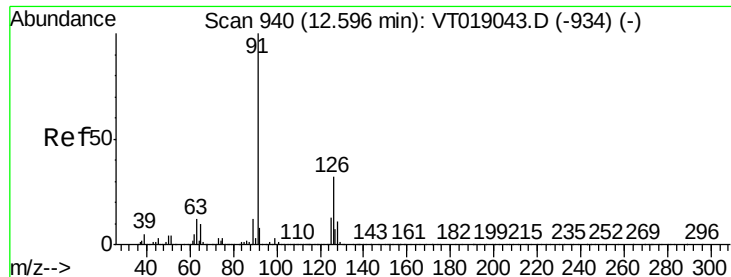
Tot Ion:105 Resp: 624159
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 9.34 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion: 75 Resp: 21519
 Ion Ratio Lower Upper
 75 100
 53 103.6 70.8 106.2
 89 38.1 35.8 53.8





#81

4-Chlorotoluene

Concen: 11.83 ug/l

RT: 12.60 min Scan# 940

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

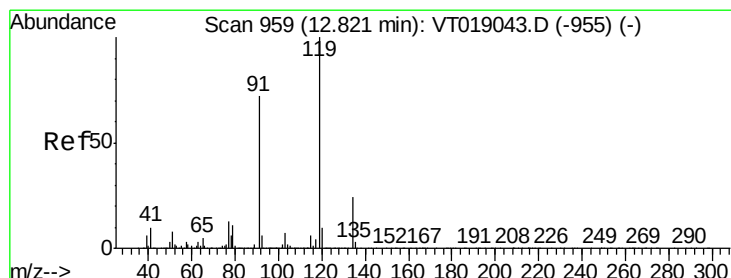
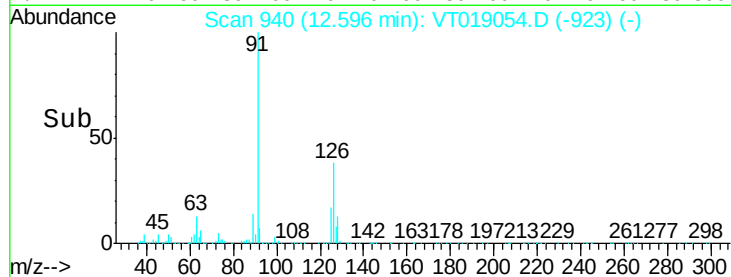
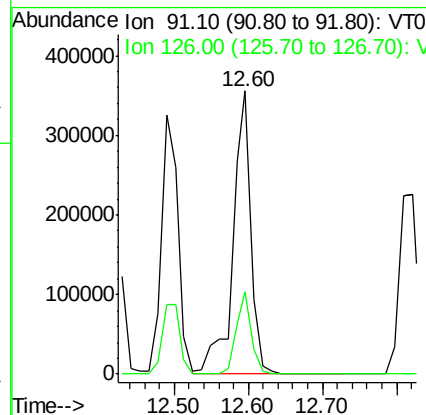
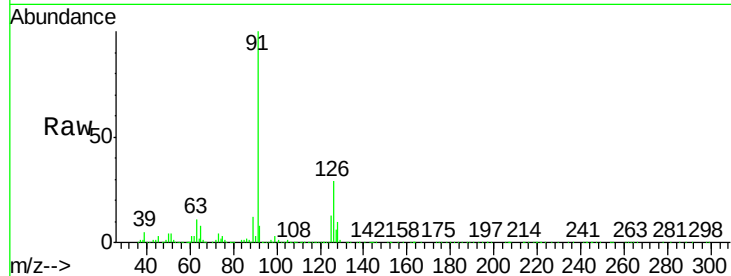
LOQ-SOIL-02-QT2-2018

Tot Ion: 91 Resp: 613705

Ion Ratio Lower Upper

91 100

126 29.3 16.0 47.9



#82

tert-Butylbenzene

Concen: 13.77 ug/l

RT: 12.82 min Scan# 959

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

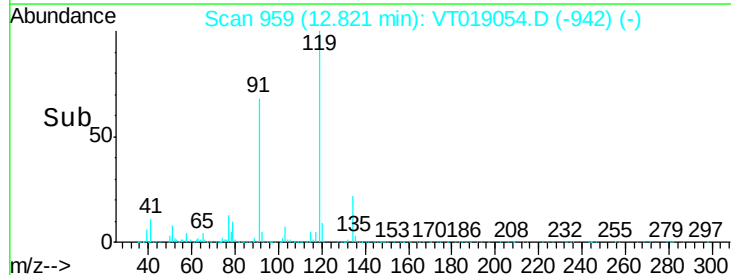
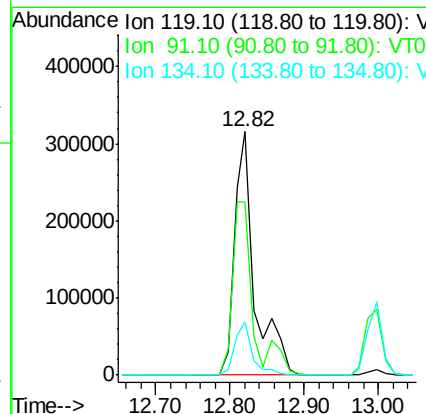
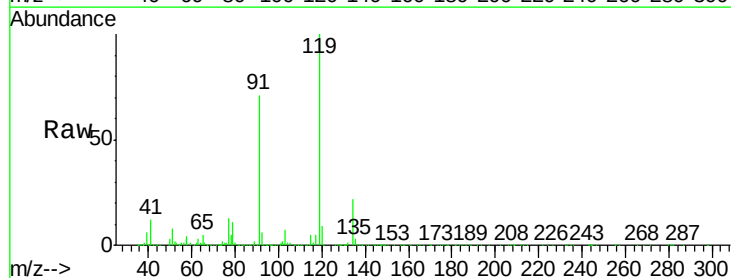
Tgt Ion: 119 Resp: 605871

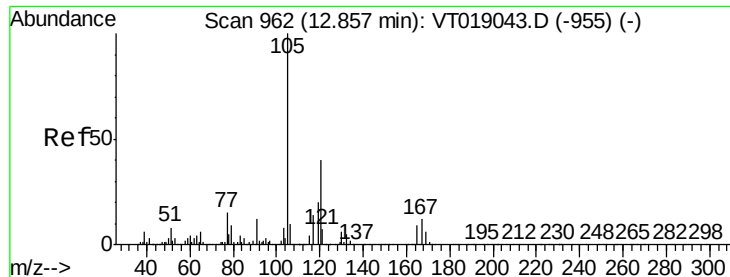
Ion Ratio Lower Upper

119 100

91 71.4 36.1 108.3

134 21.9 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 12.22 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

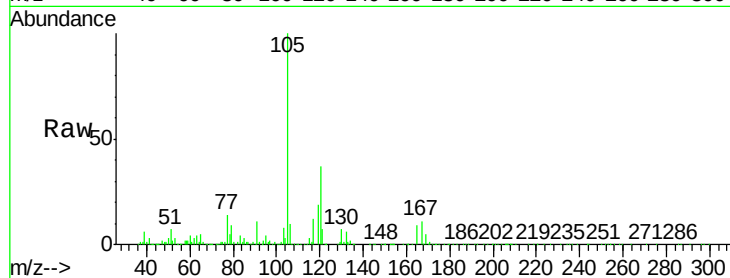
LOQ-SOIL-02-QT2-2018

Tot Ion:105 Resp: 625623

Ion Ratio Lower Upper

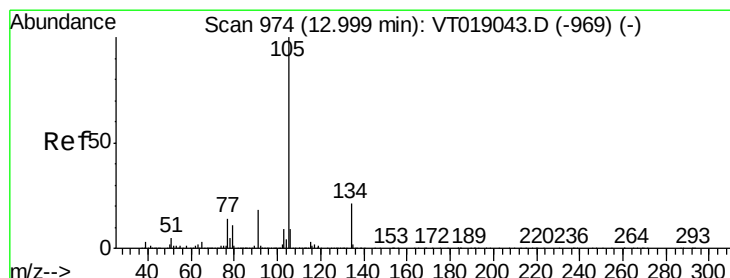
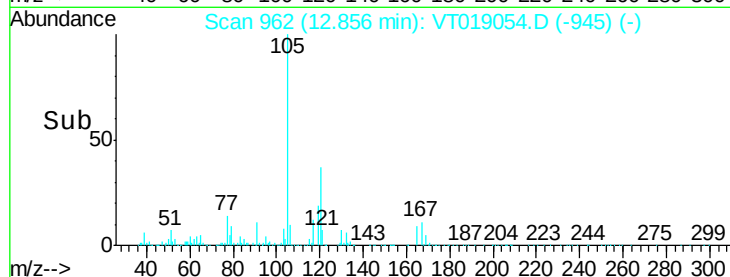
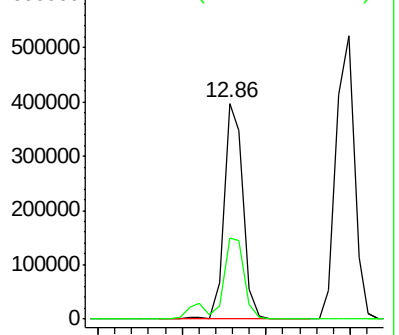
105 100

120 37.3 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: 12.81 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019054.D

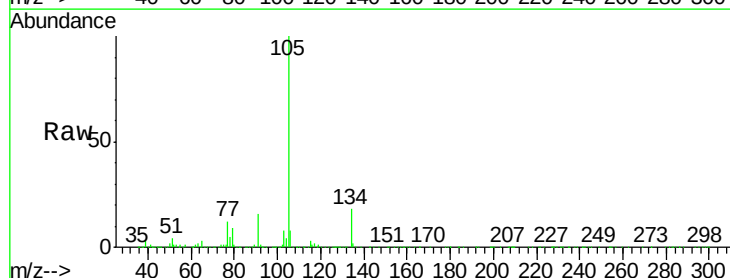
Acq: 9 May 2018 13:21

Tgt Ion:105 Resp: 794013

Ion Ratio Lower Upper

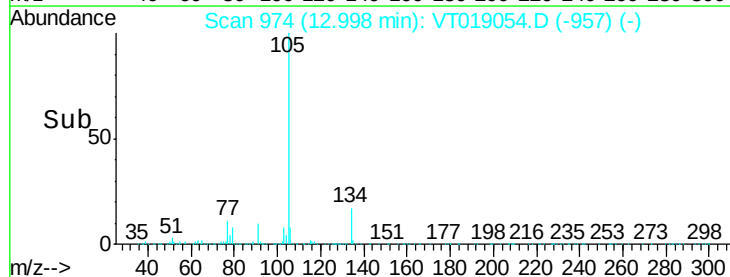
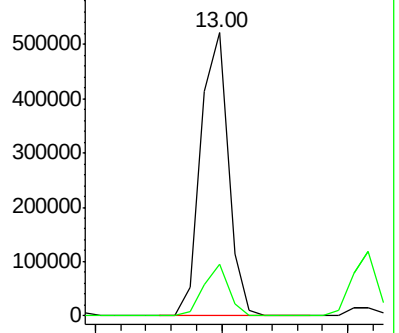
105 100

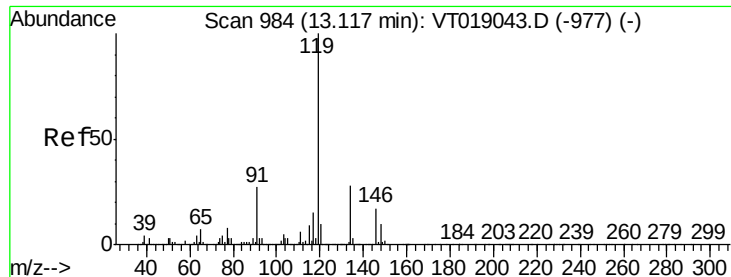
134 18.2 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

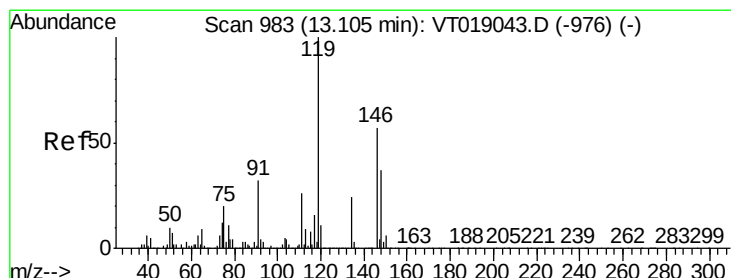
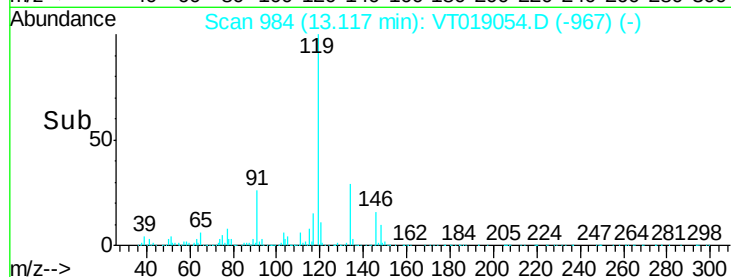
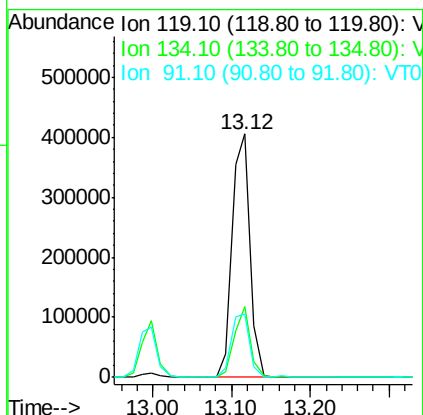
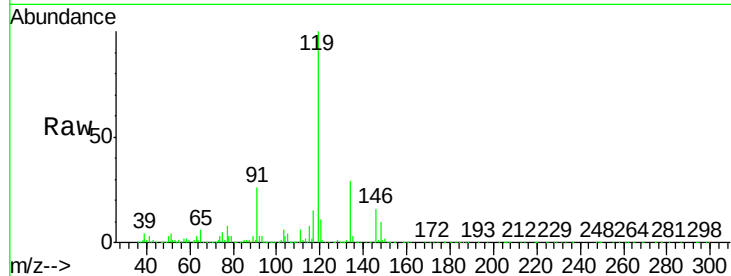




#85
p-Isopropyltoluene
Concen: 12.20 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

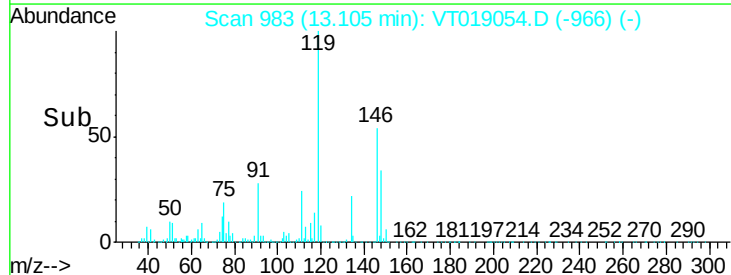
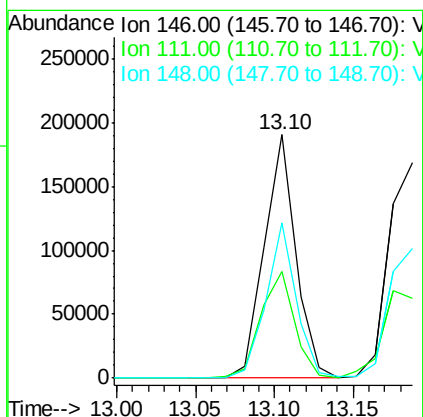
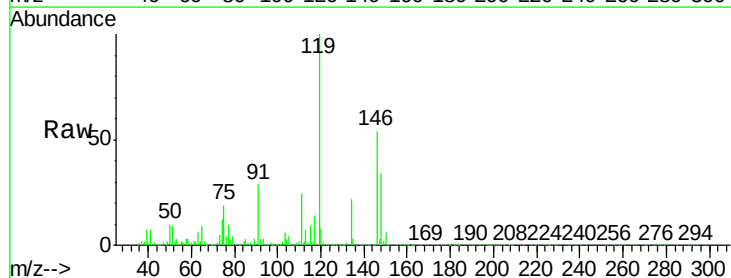
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

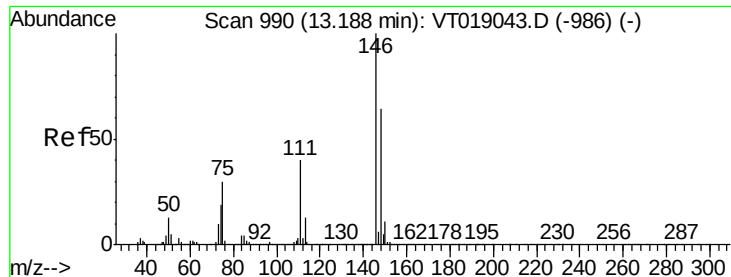
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.1	14.1	42.3
91	25.8	13.5	40.4



#86
1,3-Dichlorobenzene
Concen: 10.99 ug/l
RT: 13.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.1	69.2
148	63.8	32.5	97.5

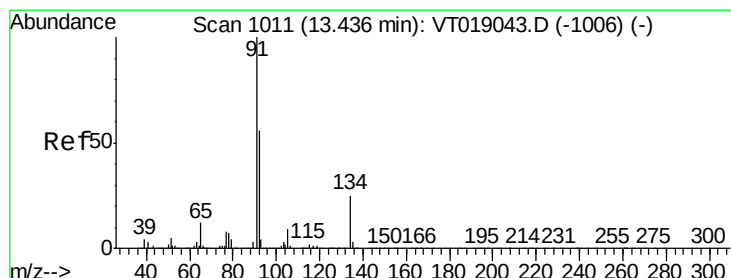
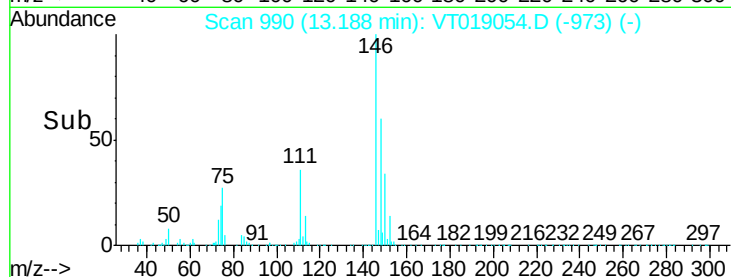
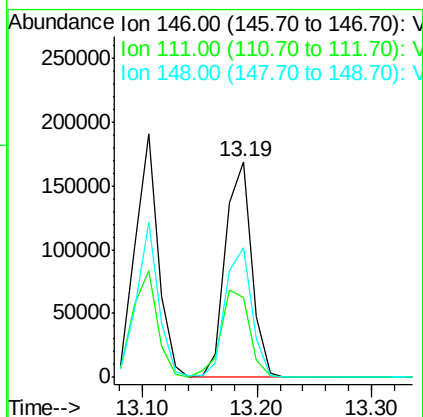
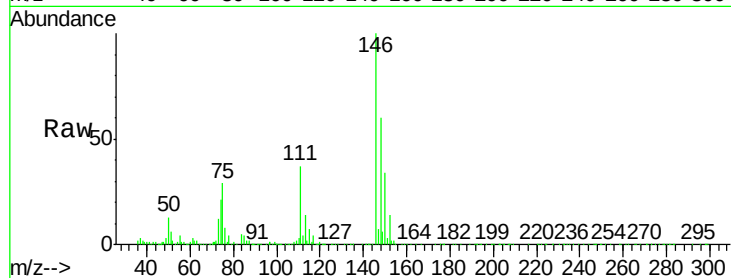




#87
 1,4-Dichlorobenzene
 Concen: 11.36 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

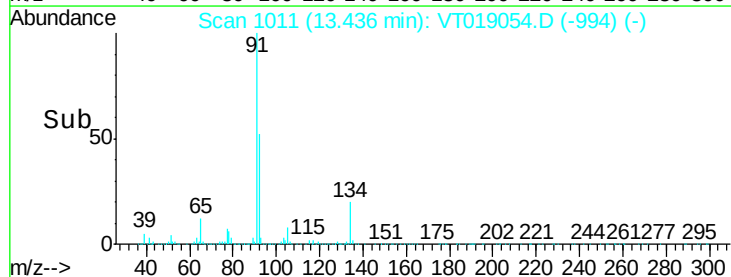
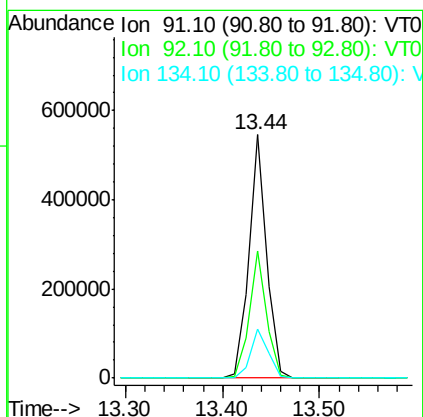
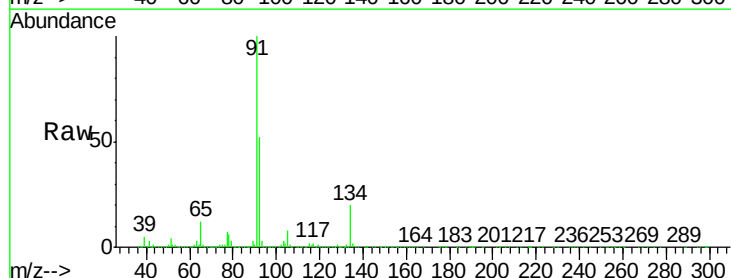
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

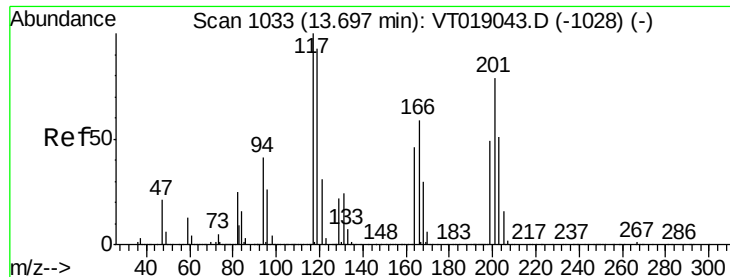
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.3	60.8
148	60.1	32.3	96.8



#88
 n-Butylbenzene
 Concen: 12.26 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019054.D
 Acq: 9 May 2018 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	28.0	84.0
134	20.2	12.4	37.0





#89

Hexachloroethane

Concen: 10.75 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

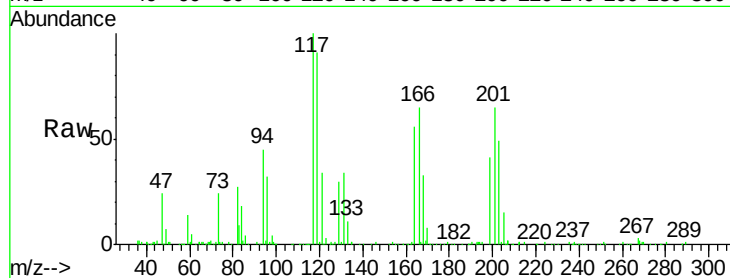
LOQ-SOIL-02-QT2-2018

Tot Ion:117 Resp: 97208

Ion Ratio Lower Upper

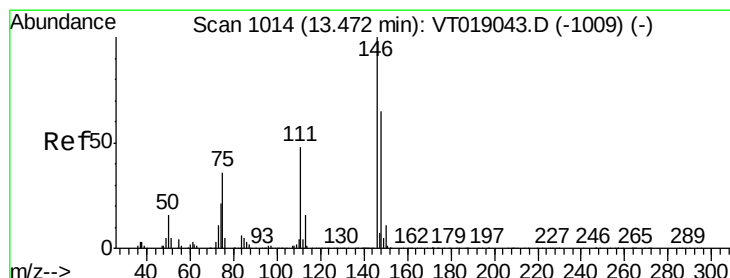
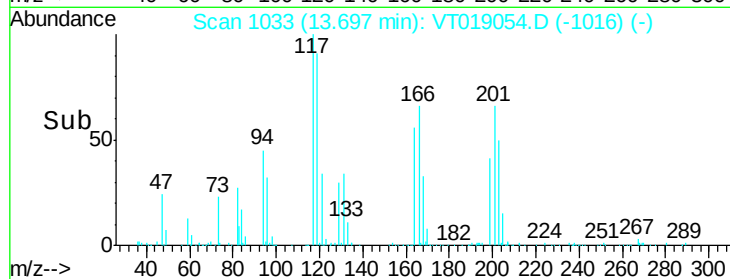
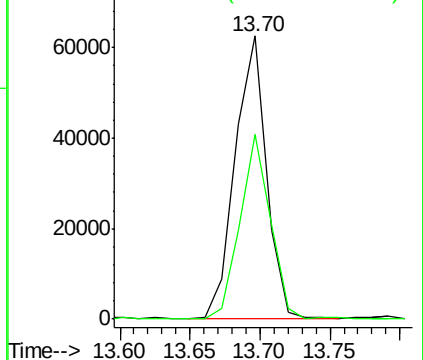
117 100

201 65.3 39.4 118.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 200.80 (200.50 to 201.50): V



#90

1,2-Dichlorobenzene

Concen: 11.00 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

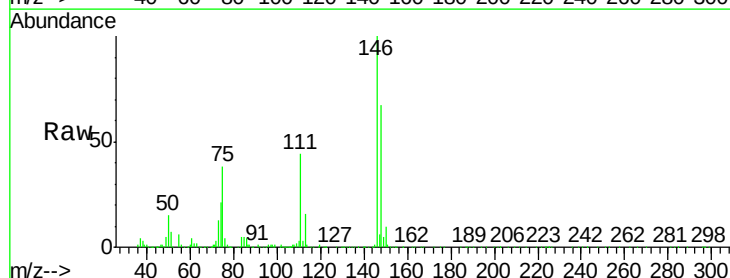
Tgt Ion:146 Resp: 223476

Ion Ratio Lower Upper

146 100

111 44.4 23.8 71.2

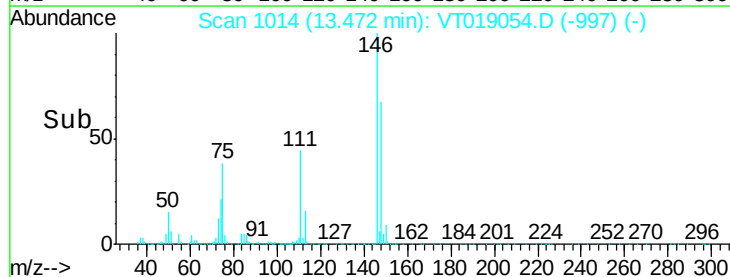
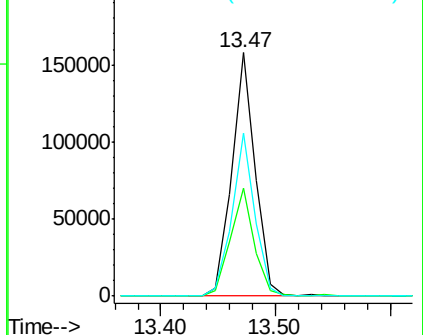
148 66.9 32.7 98.1

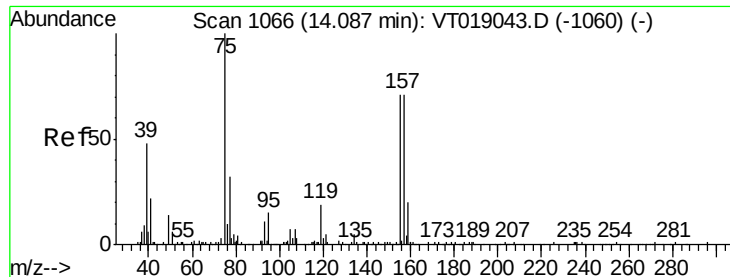


Abundance Ion 146.00 (145.70 to 146.70): V

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: 11.24 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

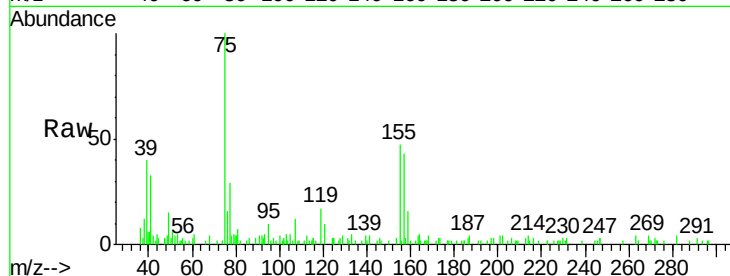
Tot Ion: 75 Resp: 13870

Ion Ratio Lower Upper

75 100

155 46.6 35.6 106.8

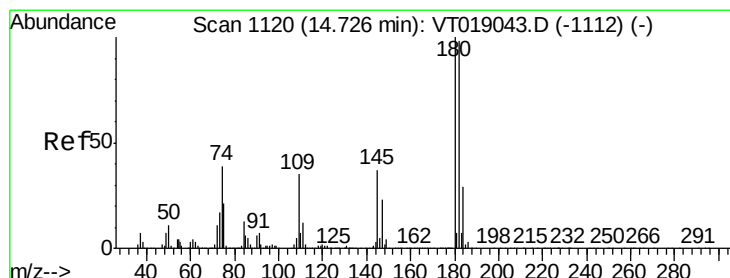
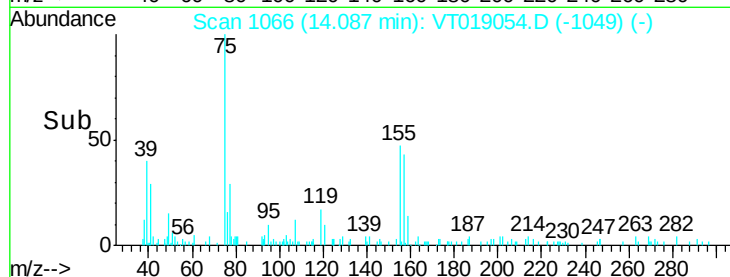
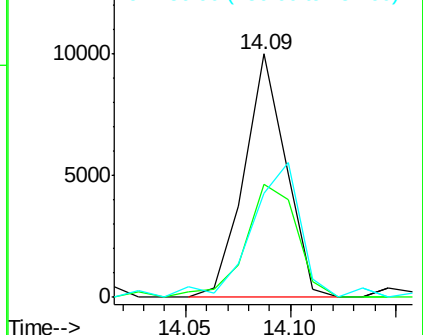
157 42.6 35.8 107.3



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: 9.87 ug/l

RT: 14.73 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

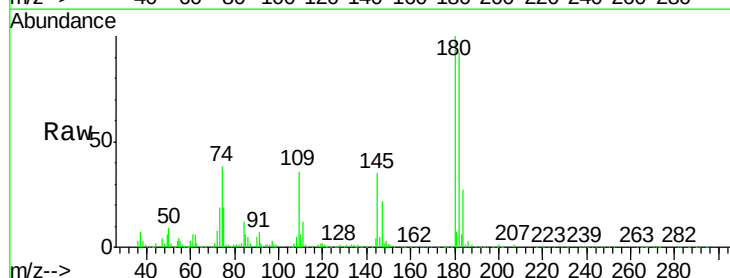
Tgt Ion: 180 Resp: 134037

Ion Ratio Lower Upper

180 100

182 92.0 49.0 147.0

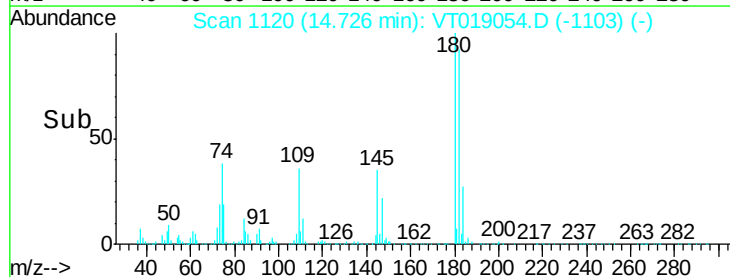
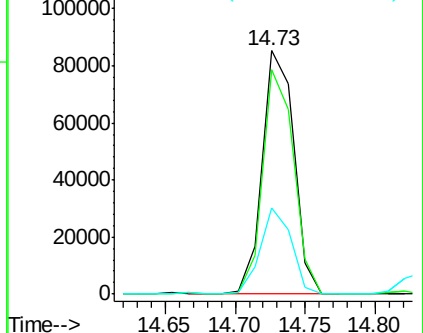
145 35.4 18.3 54.9

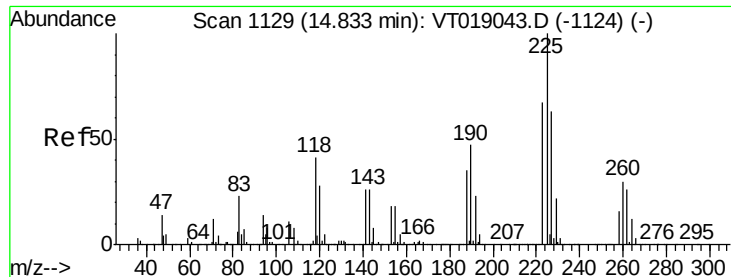


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 145.00 (144.70 to 145.70): V

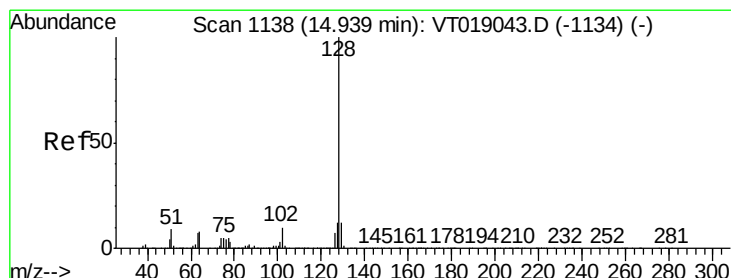
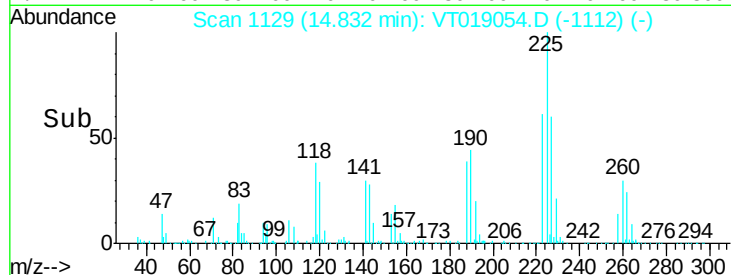
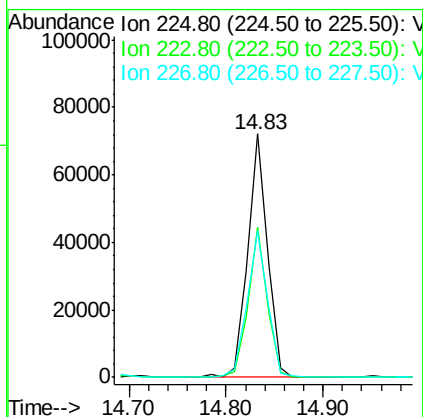
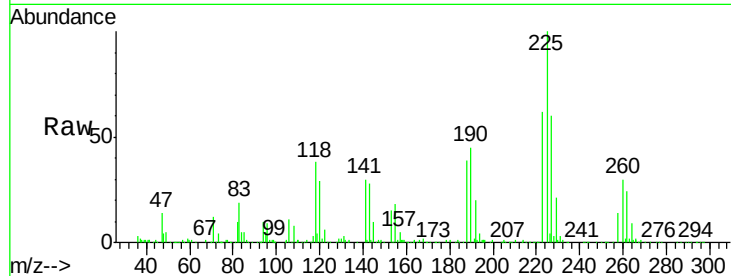




#93
Hexachlorobutadiene
Concen: 10.24 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

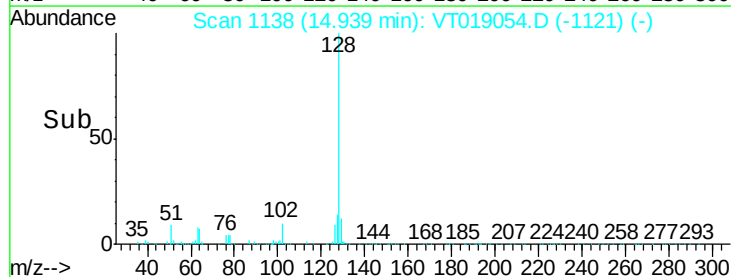
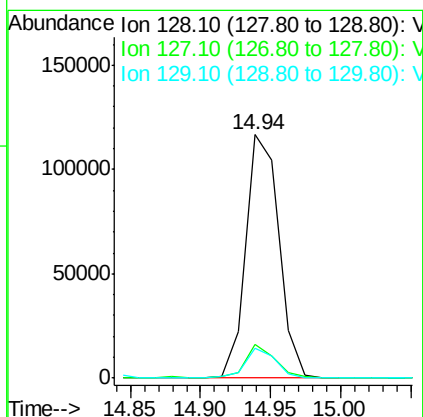
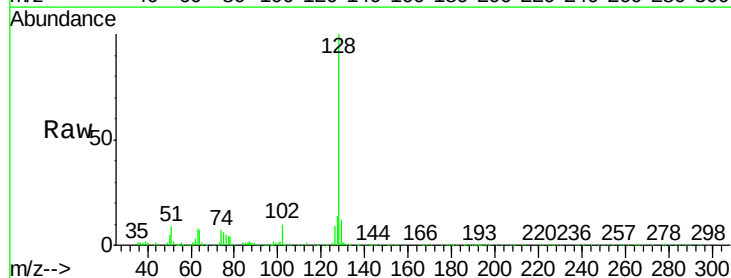
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

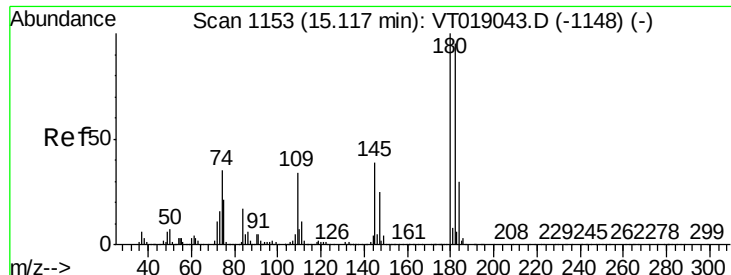
Tot Ion:225 Resp: 101561
Ion Ratio Lower Upper
225 100
223 61.7 33.5 100.4
227 60.3 31.7 95.1



#94
Naphthalene
Concen: 8.71 ug/l
RT: 14.94 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VT019054.D
Acq: 9 May 2018 13:21

Tgt Ion:128 Resp: 191042
Ion Ratio Lower Upper
128 100
127 13.7 9.9 14.9
129 12.3 9.3 13.9





#95

1,2,3-Trichlorobenzene

Concen: 9.62 ug/l

RT: 15.12 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VT019054.D

Acq: 9 May 2018 13:21

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

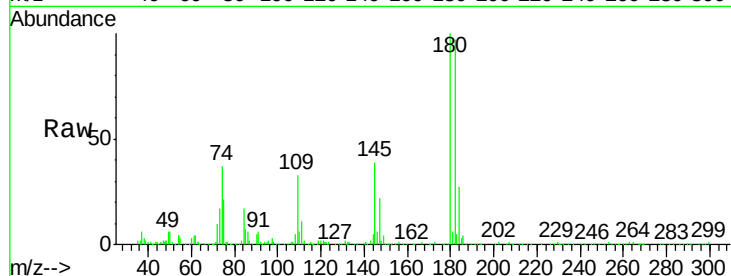
Tot Ion:180 Resp: 107789

Ion Ratio Lower Upper

180 100

182 97.2 47.7 143.1

145 39.5 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

