

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019072.D
 Acq On : 10 May 2018 13:14
 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 11 02:21:25 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	870596	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1500766	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1302768	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	621435	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	425318	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
34) Dibromofluoromethane	7.35	113	413361	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
49) Toluene-d8	9.91	98	1841787	51.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.18%	
61) 4-Bromofluorobenzene	12.22	95	692217	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	105033	9.43	ug/l	96
3) Chloromethane	1.95	50	49154	12.95	ug/l	99
4) Vinyl Chloride	2.09	62	62938	10.25	ug/l	100
5) Bromomethane	2.46	94	58516	11.68	ug/l #	74
6) Chloroethane	2.59	64	38343	10.18	ug/l #	88
7) Trichlorofluoromethane	2.83	101	196263m	11.90	ug/l	
8) Diethyl Ether	3.21	74	27718	11.07	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.58	101	99681	12.47	ug/l	96
10) Methyl Iodide	3.76	142	143488	12.37	ug/l #	98
11) Tert butyl alcohol	4.54	59	16879	40.39	ug/l #	94
12) 1,1-Dichloroethene	3.54	96	88963	12.54	ug/l	95
13) Acrolein	3.39	56	12075	59.18	ug/l	94
14) Allyl chloride	4.06	41	164719	10.76	ug/l	90
15) Acrylonitrile	4.69	53	85628	53.19	ug/l	95
16) Acetone	3.60	43	56440	64.34	ug/l #	79
17) Carbon Disulfide	4.06	76	285487m	9.75	ug/l	
18) Methyl Acetate	4.08	43	46190	10.25	ug/l	97
19) Methyl tert-butyl Ether	4.76	73	178827	10.05	ug/l	93
20) Methylene Chloride	4.29	84	109920	11.63	ug/l	95
21) trans-1,2-Dichloroethene	4.75	96	102859	9.82	ug/l	87
22) Diisopropyl ether	5.67	45	303051	10.67	ug/l	95
23) Vinyl Acetate	5.61	43	673527	53.43	ug/l	98
24) 1,1-Dichloroethane	5.57	63	201308	10.14	ug/l #	95
25) 2-Butanone	6.57	43	107125	54.23	ug/l	90
26) 2,2-Dichloropropane	6.56	77	89638	11.19	ug/l	98
27) cis-1,2-Dichloroethene	6.56	96	100717	9.78	ug/l	93
28) Bromochloromethane	6.94	49	73303	11.12	ug/l	93
29) Chloroform	7.13	83	201442	10.84	ug/l	97
30) Cyclohexane	7.43	56	227243	10.56	ug/l #	88
31) 1,1,1-Trichloroethane	7.33	97	155638	10.84	ug/l	98
35) 1,1-Dichloropropene	7.57	75	181516	10.50	ug/l	99
36) Ethyl Acetate	6.67	43	48196	10.81	ug/l #	86
37) Carbon Tetrachloride	7.54	117	139784	9.89	ug/l	92
38) Methylcyclohexane	8.88	83	203380	9.85	ug/l	90

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 Response via : Initial Calibration

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

39) Benzene	7.82	78	487970	10.80	ug/l #	75
40) Methacrylonitrile	6.92	41	23506	9.85	ug/l	91
41) 1,2-Dichloroethane	7.91	62	102124	10.41	ug/l	100
42) Isopropyl Acetate	7.96	43	72056	9.39	ug/l	97
43) Trichloroethene	8.63	130	107451	10.34	ug/l	97
44) 1,2-Dichloropropane	8.92	63	107134	10.11	ug/l	99
45) Dibromomethane	9.01	93	44025	10.57	ug/l	93
46) Bromodichloromethane	9.21	83	123703	10.22	ug/l	99
47) Methyl methacrylate	9.01	41	38591	9.73	ug/l #	83
48) 1,4-Dioxane	9.01	88	8673	171.84	ug/l	95
50) 4-Methyl-2-Pentanone	9.80	43	211949	50.37	ug/l	90
51) Toluene	9.97	92	267422	10.24	ug/l	99
52) t-1,3-Dichloropropene	10.19	75	100611	9.14	ug/l	94
53) cis-1,3-Dichloropropene	9.65	75	136330	9.73	ug/l	97
54) 1,1,2-Trichloroethane	10.38	97	64022	10.13	ug/l	94
55) Ethyl methacrylate	10.25	69	65857	8.69	ug/l	95
56) 1,3-Dichloropropane	10.53	76	118566	10.48	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.51	63	151481	43.39	ug/l	93
58) 2-Hexanone	10.57	43	158222	51.86	ug/l	92
59) Dibromochloromethane	10.73	129	59819	9.10	ug/l	95
60) 1,2-Dibromoethane	10.82	107	53134	9.72	ug/l	96
63) Tetrachloroethene	10.45	164	81421	9.13	ug/l	91
64) Chlorobenzene	11.25	112	283124	10.49	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	82414	9.41	ug/l	97
66) Ethyl Benzene	11.33	91	558045	10.78	ug/l	99
67) m/p-Xylenes	11.45	106	398451	20.71	ug/l	86
68) o-Xylene	11.77	106	175987	9.75	ug/l	96
69) Stvrene	11.79	104	285998	10.23	ug/l	97
70) Bromoform	11.95	173	24817	7.46	ug/l #	96
72) Isopropylbenzene	12.08	105	530234	10.57	ug/l	95
73) N-amyl acetate	11.90	43	79403	9.60	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	12.32	83	74142	10.04	ug/l	99
75) 1,2,3-Trichloropropane	12.37	75	56062m	10.61	ug/l	
76) Bromobenzene	12.35	156	96931	9.76	ug/l	93
77) n-propylbenzene	12.42	91	729785	10.26	ug/l	95
78) 2-Chlorotoluene	12.49	91	388559	10.55	ug/l	97
79) 1,3,5-Trimethylbenzene	12.56	105	474869	10.90	ug/l	97
80) trans-1,4-Dichloro-2-buten	12.12	75	15949	8.02	ug/l	86
81) 4-Chlorotoluene	12.60	91	489365	10.94	ug/l	97
82) tert-Butylbenzene	12.82	119	461554	12.16	ug/l	97
83) 1,2,4-Trimethylbenzene	12.86	105	489126	11.07	ug/l	97
84) sec-Butylbenzene	13.00	105	584923	10.94	ug/l	96
85) p-Isopropyltoluene	13.12	119	508674	11.31	ug/l	96
86) 1,3-Dichlorobenzene	13.10	146	211586	10.09	ug/l	99
87) 1,4-Dichlorobenzene	13.19	146	206456	10.13	ug/l	96
88) n-Butylbenzene	13.44	91	550254	11.42	ug/l	94
89) Hexachloroethane	13.70	117	72259	9.26	ug/l	90
90) 1,2-Dichlorobenzene	13.47	146	185383	10.58	ug/l	94
91) 1,2-Dibromo-3-Chloropropan	14.09	75	10480	9.85	ug/l	95
92) 1,2,4-Trichlorobenzene	14.73	180	112916	9.64	ug/l	87

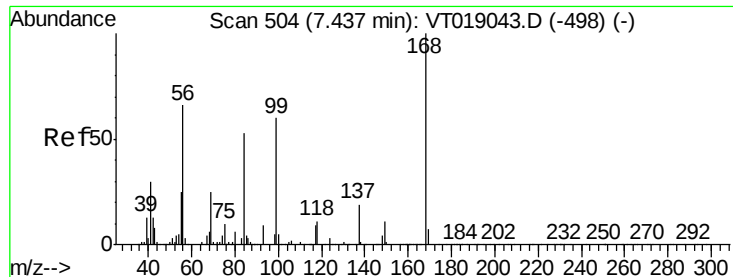
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	80743	9.44	ug/l	93
94) Naphthalene	14.94	128	157191	8.31	ug/l	98
95) 1,2,3-Trichlorobenzene	15.12	180	90578	9.37	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

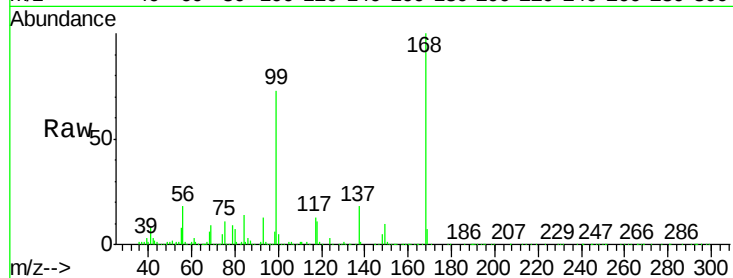
LOQ-SOIL-02-QT2-2018

Tot Ion:168 Resp: 870596

Ion Ratio Lower Upper

168 100

99 73.4 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

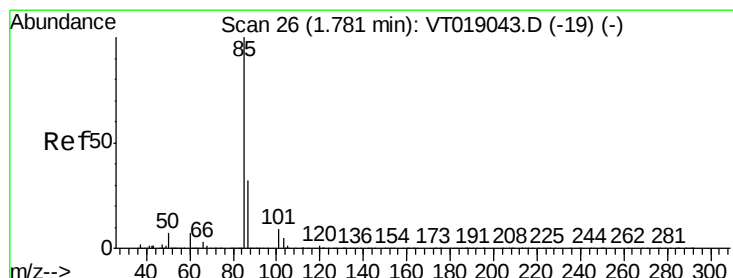
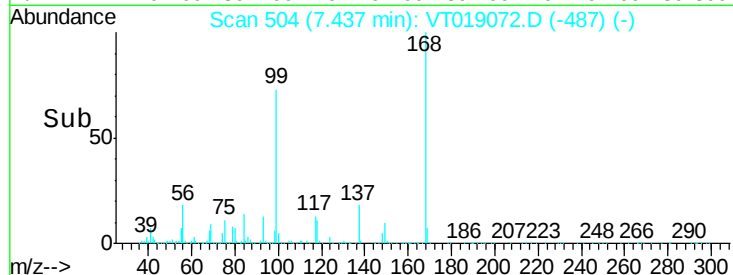
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.43 ug/l

RT: 1.78 min Scan# 26

Delta R.T. -0.00 min

Lab File: VT019072.D

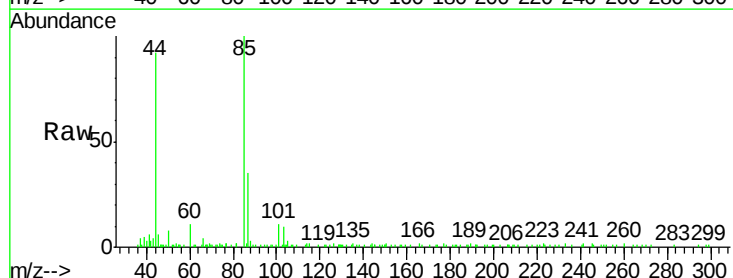
Acq: 10 May 2018 13:14

Tgt Ion: 85 Resp: 105033

Ion Ratio Lower Upper

85 100

87 34.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VT0

Ion 87.00 (86.70 to 87.70): VT0

1.78

25000

20000

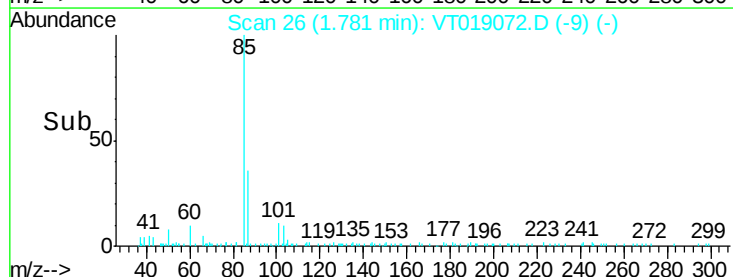
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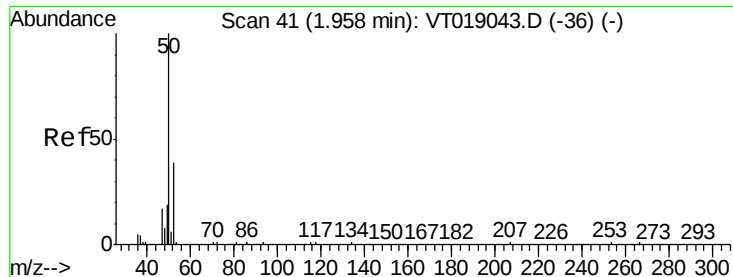
10000

5000

0

Time-->





#3

Chloromethane

Concen: 12.95 ug/l

RT: 1.95 min Scan# 40

Delta R.T. -0.01 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

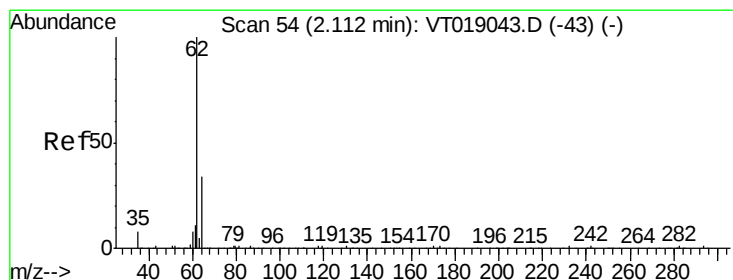
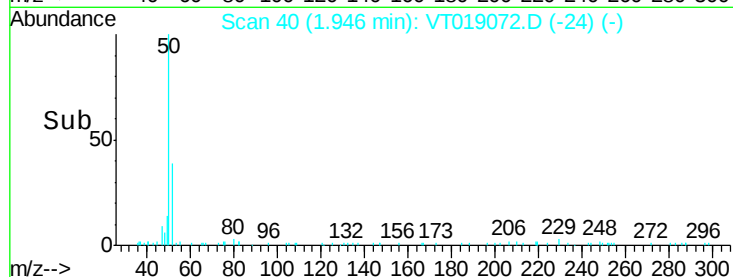
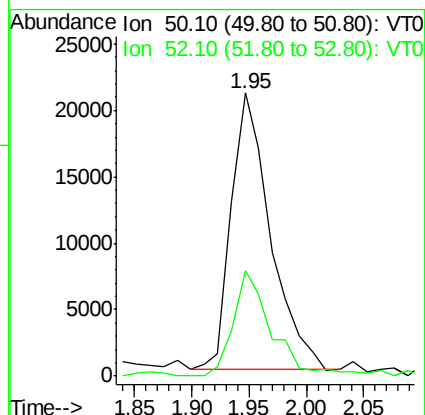
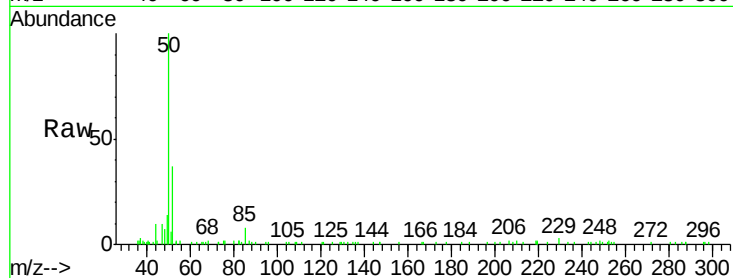
LOQ-SOIL-02-QT2-2018

Tot Ion: 50 Resp: 49154

Ion Ratio Lower Upper

50 100

52 37.1 30.1 45.1



#4

Vinyl Chloride

Concen: 10.25 ug/l

RT: 2.09 min Scan# 52

Delta R.T. -0.02 min

Lab File: VT019072.D

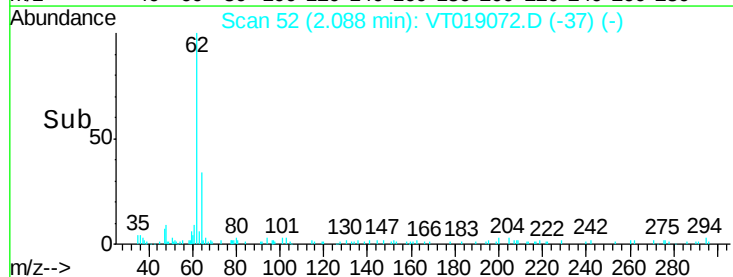
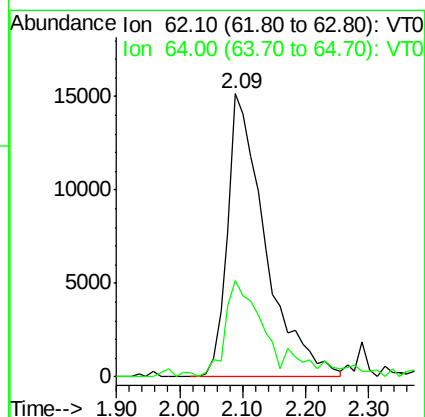
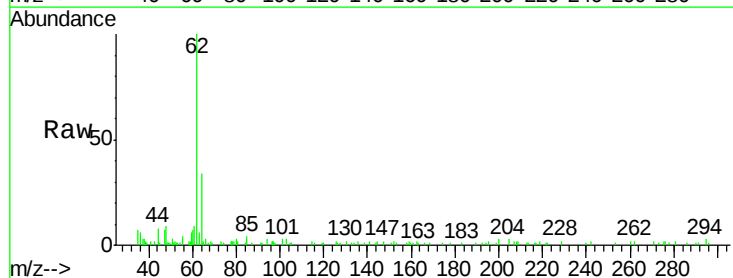
Acq: 10 May 2018 13:14

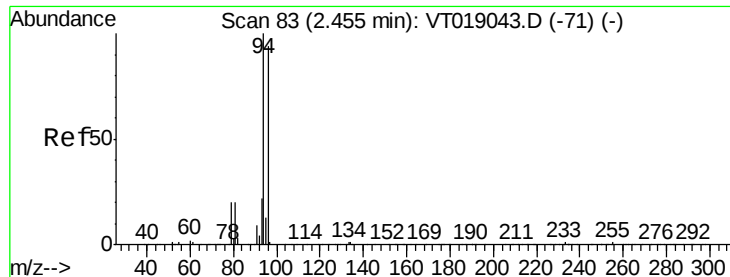
Tgt Ion: 62 Resp: 62938

Ion Ratio Lower Upper

62 100

64 33.9 27.0 40.4





#5

Bromomethane

Concen: 11.68 ug/l

RT: 2.46 min Scan# 83

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

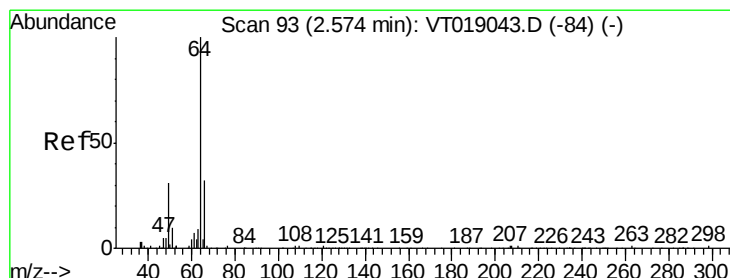
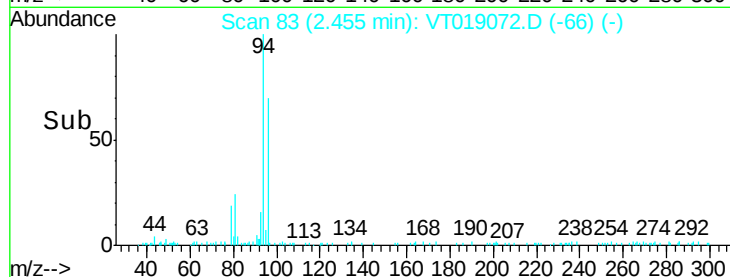
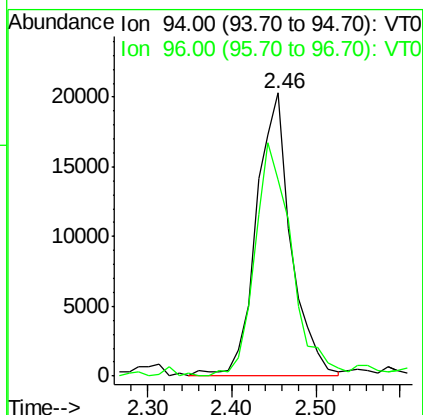
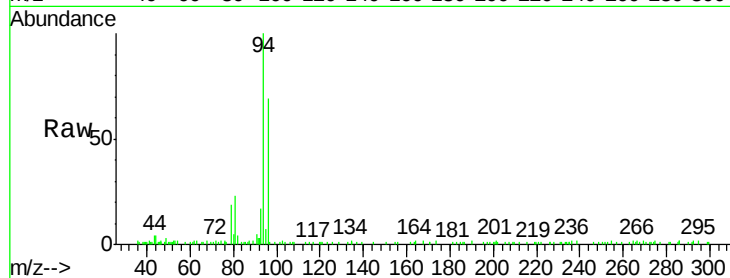
LOQ-SOIL-02-QT2-2018

Tot Ion: 94 Resp: 58516

Ion Ratio Lower Upper

94 100

96 69.4 75.3 112.9#



#6

Chloroethane

Concen: 10.18 ug/l

RT: 2.59 min Scan# 94

Delta R.T. 0.01 min

Lab File: VT019072.D

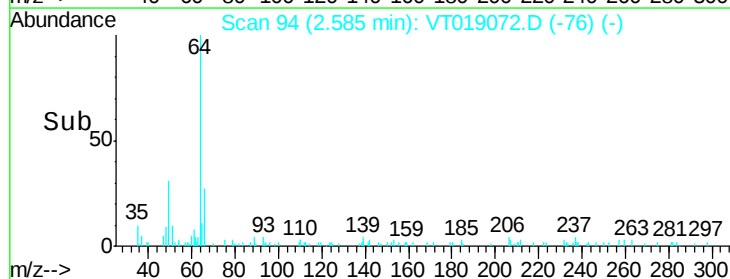
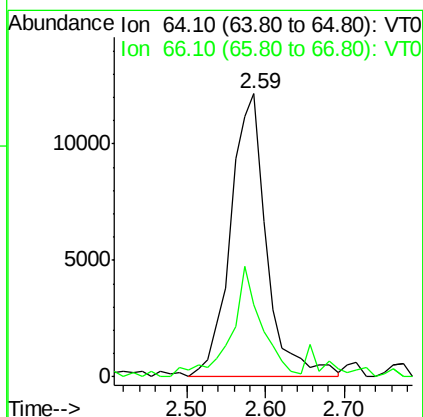
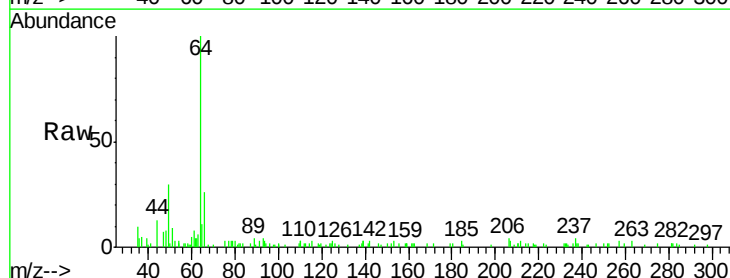
Acq: 10 May 2018 13:14

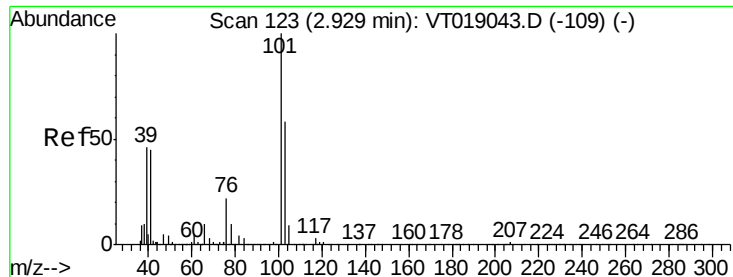
Tgt Ion: 64 Resp: 38343

Ion Ratio Lower Upper

64 100

66 25.7 25.8 38.8#



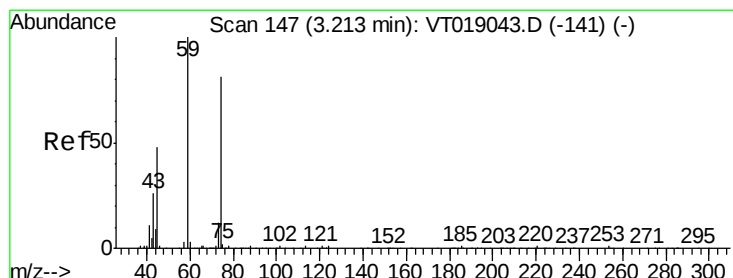
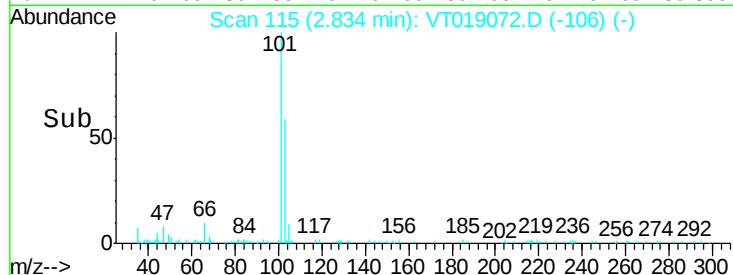
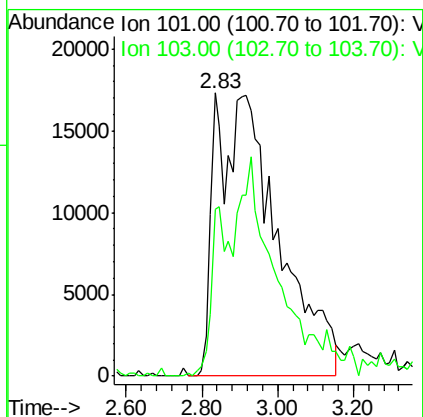
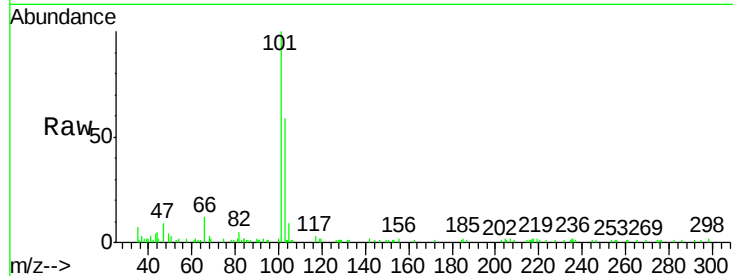


#7

Trichlorofluoromethane
 Concen: 11.90 ug/l m
 RT: 2.83 min Scan# 115
 Delta R.T. -0.09 min
 Lab File: VT019072.D
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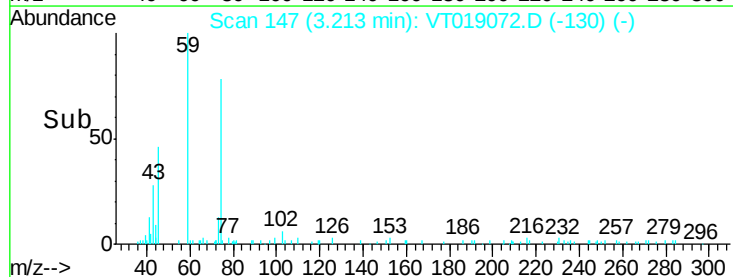
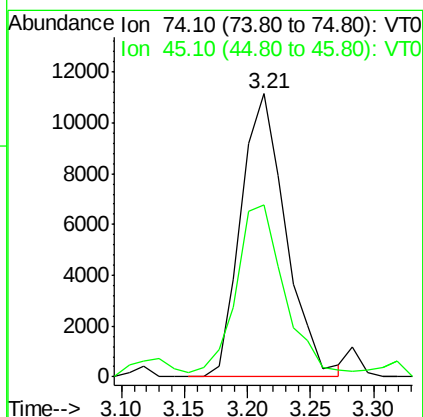
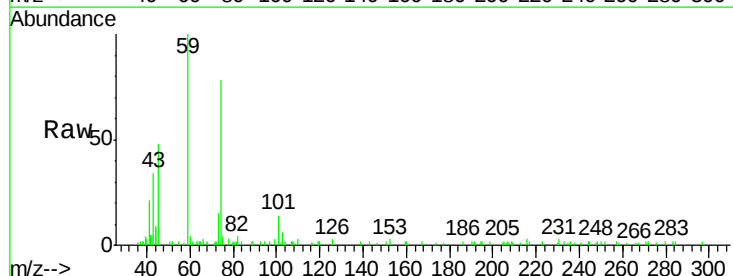
Tot Ion:101 Resp: 196263
 Ion Ratio Lower Upper
 101 100
 103 59.2 46.5 69.7

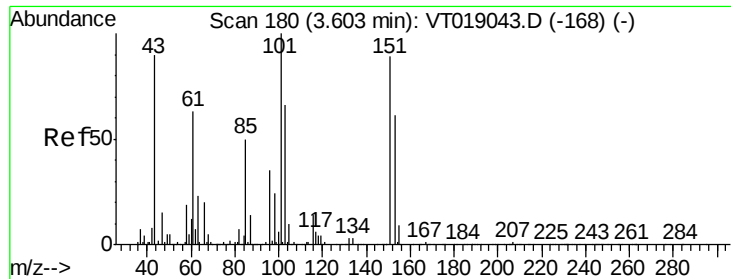


#8

Diethyl Ether
 Concen: 11.07 ug/l
 RT: 3.21 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion: 74 Resp: 27718
 Ion Ratio Lower Upper
 74 100
 45 60.6 29.8 89.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.47 ug/l

RT: 3.58 min Scan# 178

Delta R.T. -0.02 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

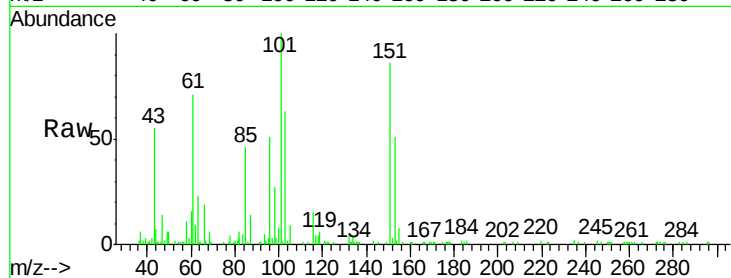
Tot Ion:101 Resp: 99681

Ion Ratio Lower Upper

101 100

85 45.9 39.5 59.3

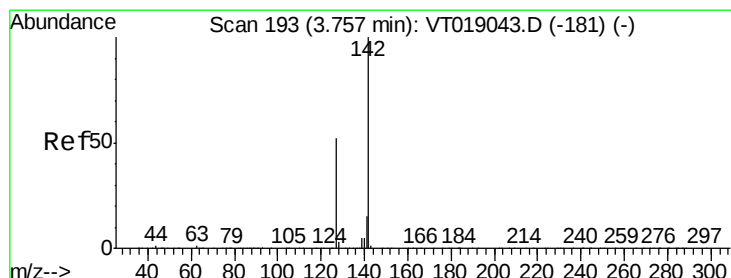
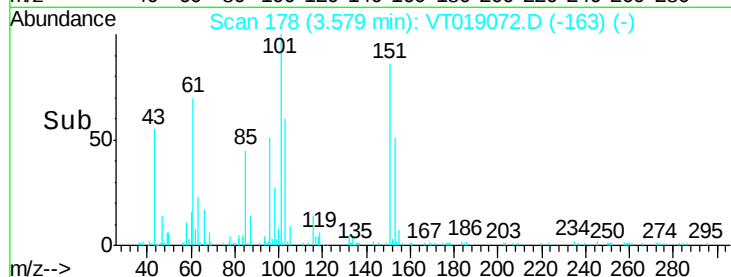
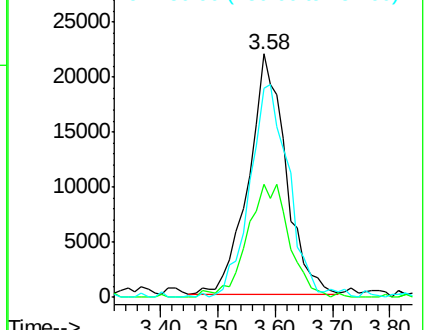
151 84.9 69.9 104.9



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: 12.37 ug/l

RT: 3.76 min Scan# 193

Delta R.T. -0.00 min

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Acq: 10 May 2018 13:14

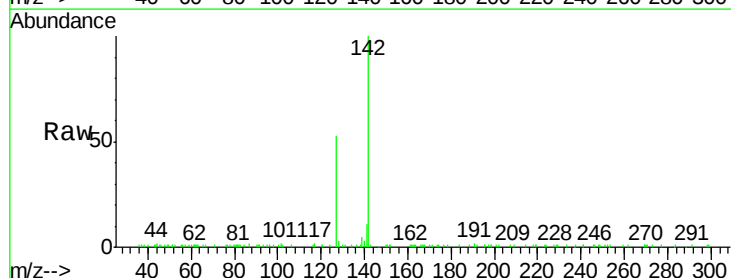
Tgt Ion:142 Resp: 143488

Ion Ratio Lower Upper

142 100

127 52.5 41.8 62.8

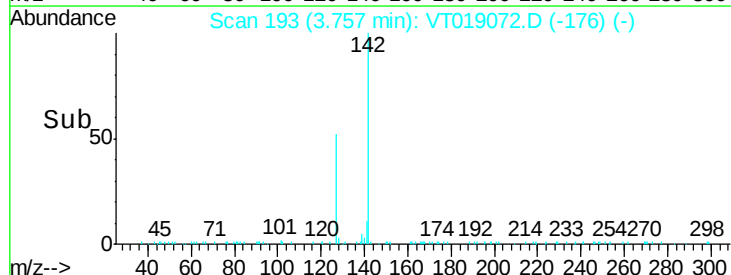
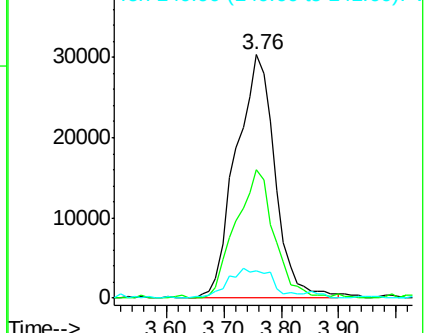
141 11.0 12.0 18.0#

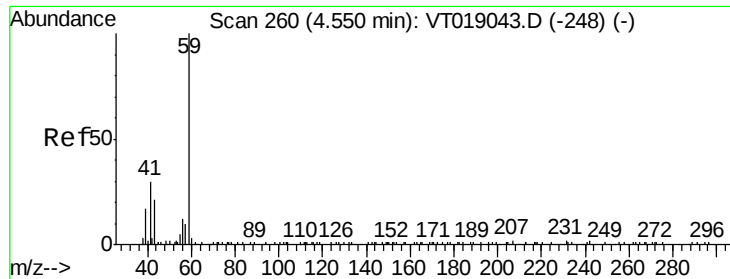


Abundance Ion 141.90 (141.60 to 142.60): V

Ion 126.90 (126.60 to 127.60): V

Ion 140.90 (140.60 to 141.60): V



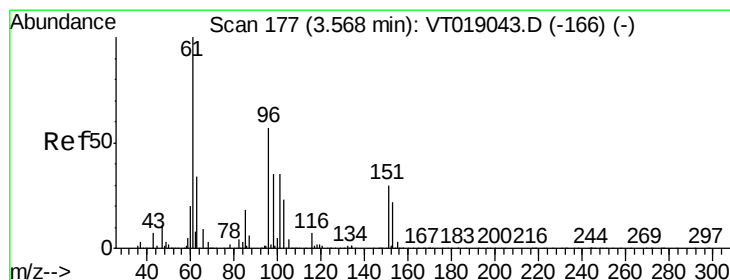
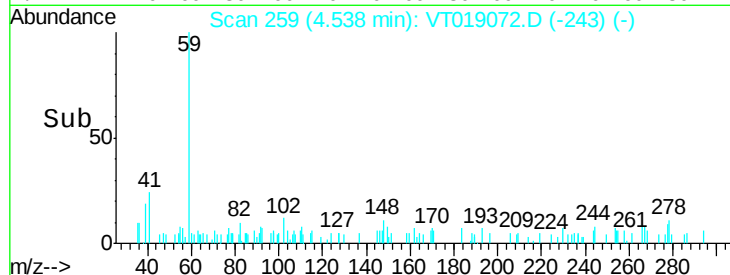
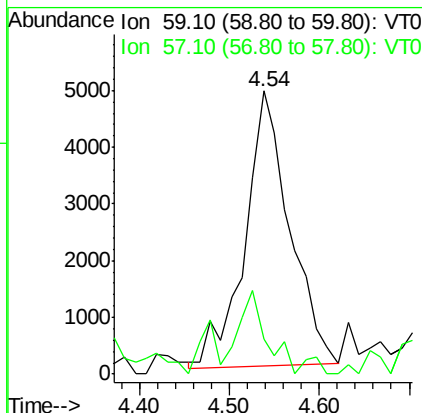
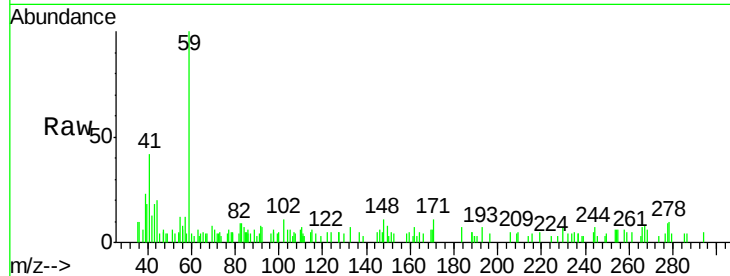


#11

Tert butyl alcohol
 Concen: 40.39 ug/l
 RT: 4.54 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

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

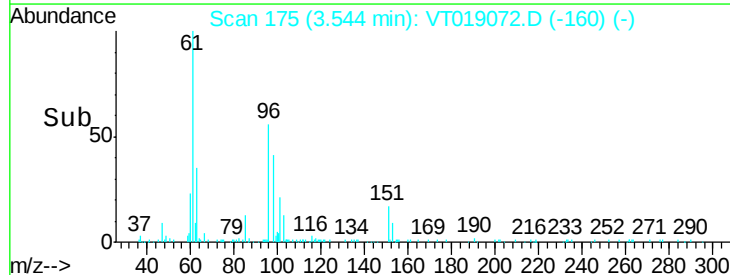
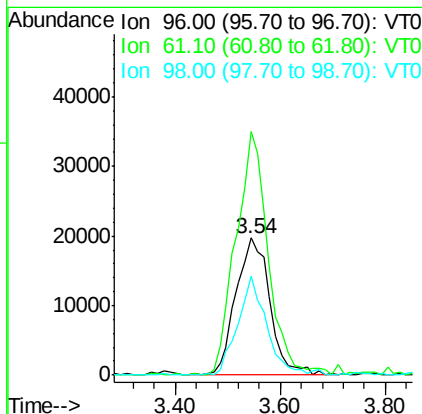
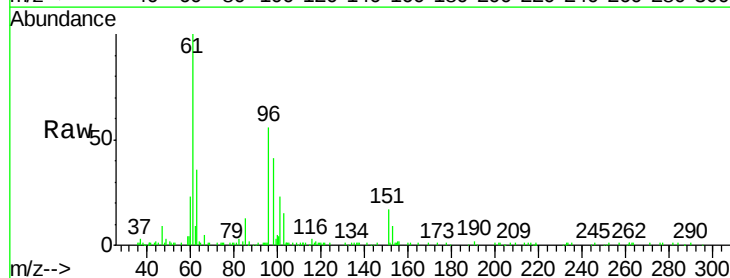
Tot Ion: 59 Resp: 16879
 Ion Ratio Lower Upper
 59 100
 57 11.9 7.7 11.5#

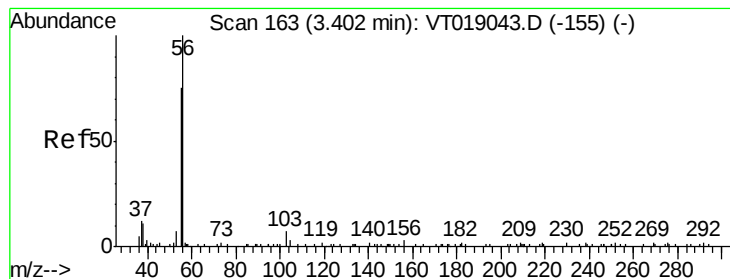


#12

1,1-Dichloroethene
 Concen: 12.54 ug/l
 RT: 3.54 min Scan# 175
 Delta R.T. -0.02 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion: 96 Resp: 88963
 Ion Ratio Lower Upper
 96 100
 61 177.5 139.4 209.2
 98 72.4 49.4 74.2





#13

Acrolein

Concen: 59.18 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

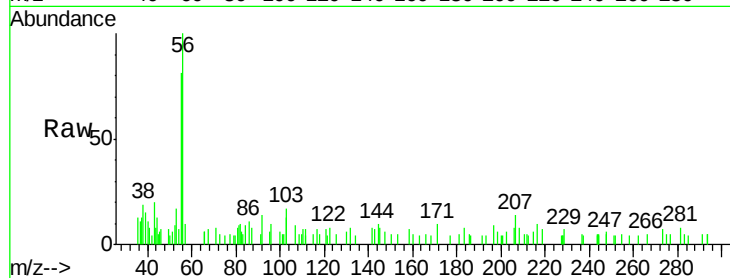
LOQ-SOIL-02-QT2-2018

Tot Ion: 56 Resp: 12075

Ion Ratio Lower Upper

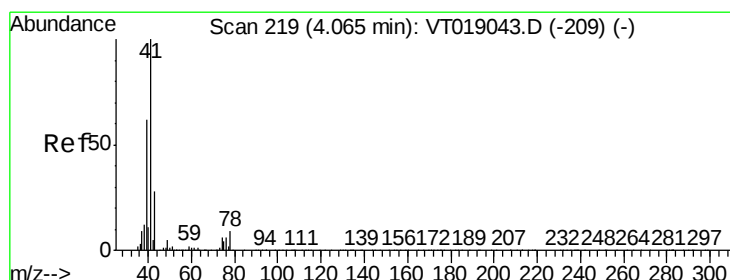
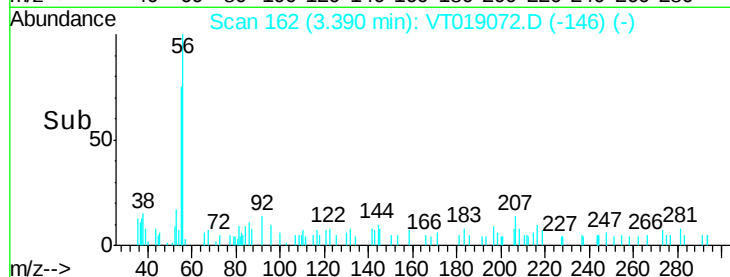
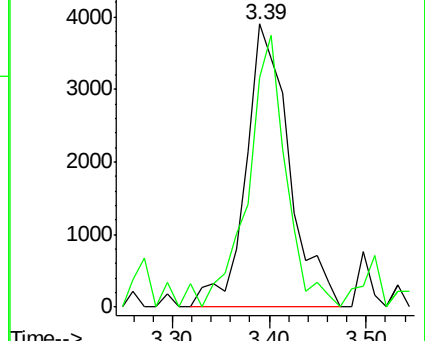
56 100

55 81.0 60.8 91.2



Abundance Ion 56.10 (55.80 to 56.80): VT0

Ion 55.10 (54.80 to 55.80): VT0



#14

Allyl chloride

Concen: 10.76 ug/l

RT: 4.06 min Scan# 219

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

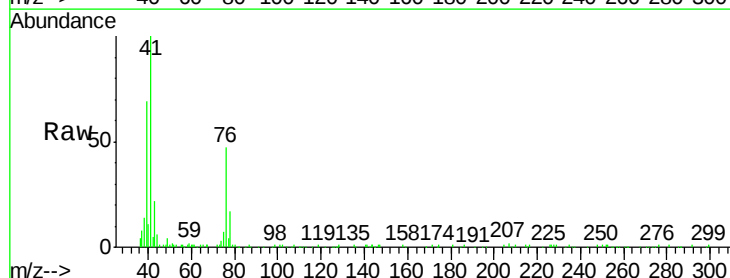
Tgt Ion: 41 Resp: 164719

Ion Ratio Lower Upper

41 100

39 69.0 49.5 74.3

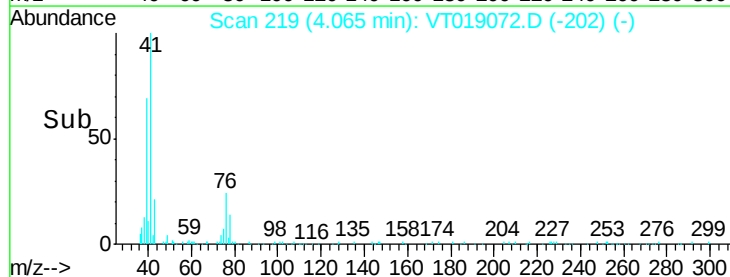
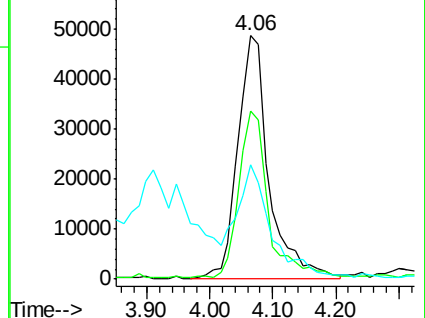
76 47.0 44.0 66.0

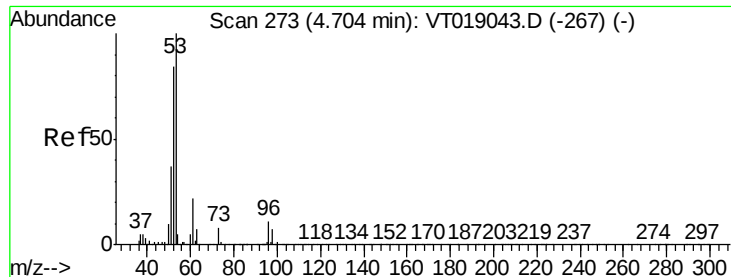


Abundance Ion 41.10 (40.80 to 41.80): VT0

Ion 39.10 (38.80 to 39.80): VT0

Ion 76.10 (75.80 to 76.80): VT0





#15

Acrylonitrile

Concen: 53.19 ug/l

RT: 4.69 min Scan# 272

Delta R.T. -0.01 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

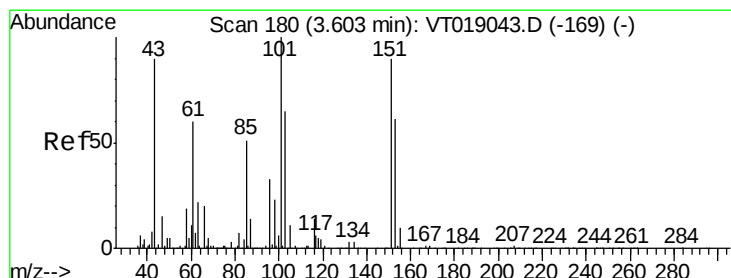
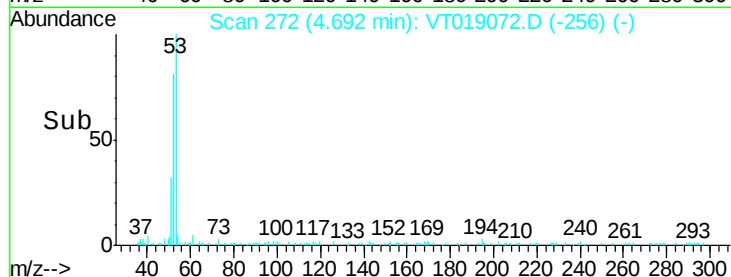
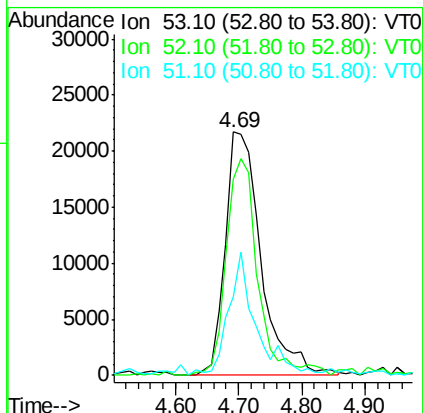
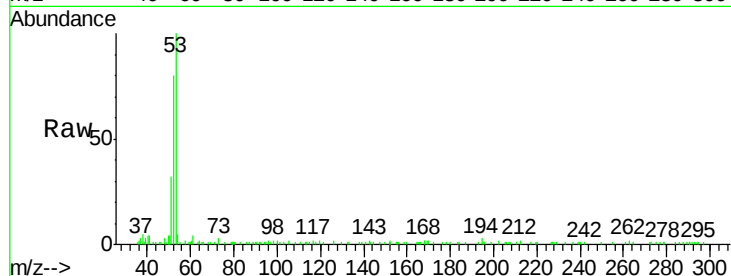
Tot Ion: 53 Resp: 85628

Ion Ratio Lower Upper

53 100

52 80.4 67.4 101.0

51 32.2 29.6 44.4



#16

Acetone

Concen: 64.34 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019072.D

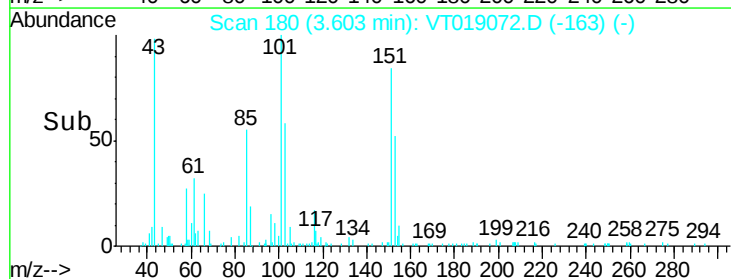
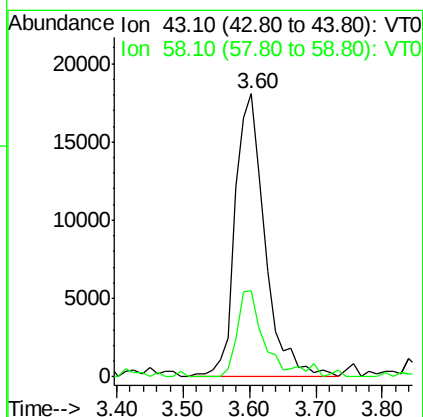
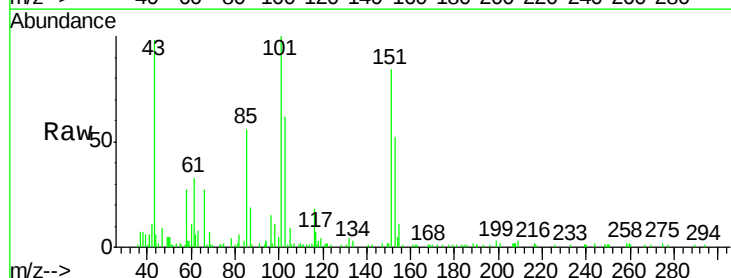
Acq: 10 May 2018 13:14

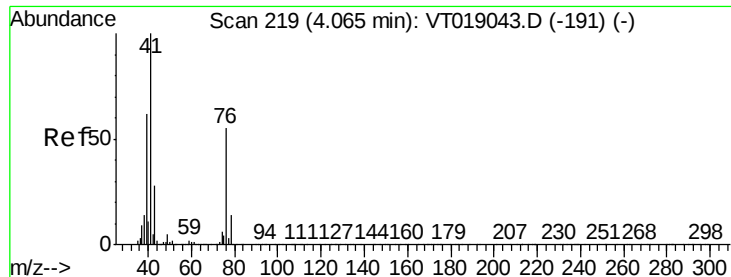
Tgt Ion: 43 Resp: 56440

Ion Ratio Lower Upper

43 100

58 30.6 16.7 25.1#

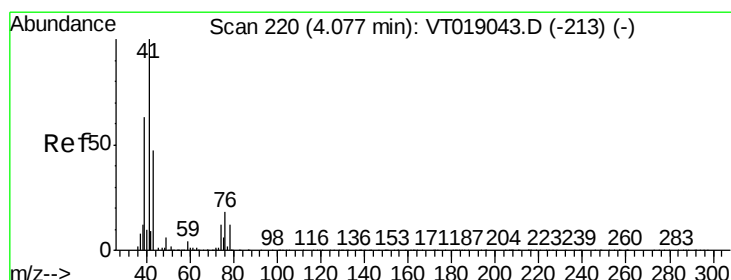
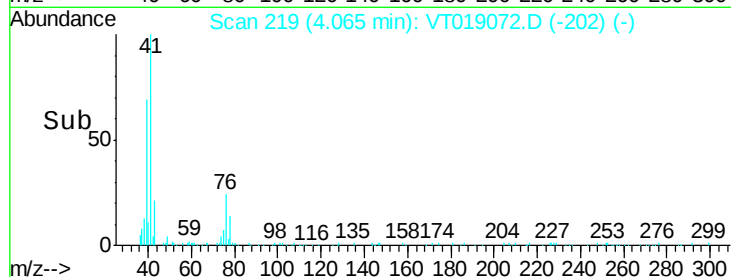
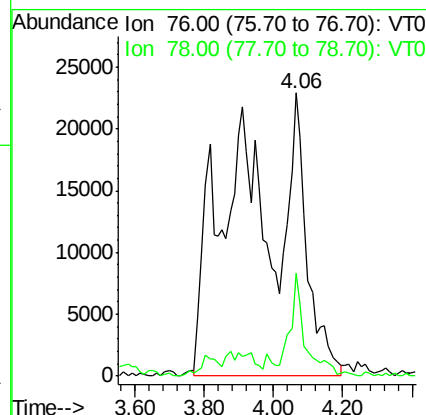
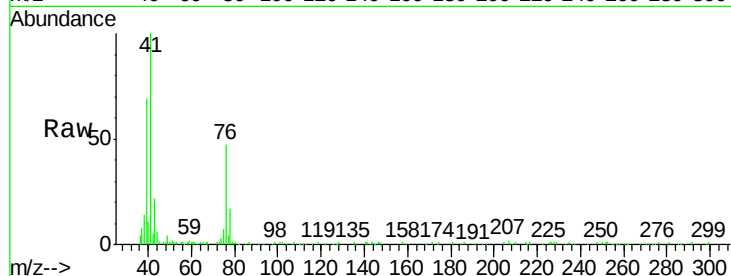




#17
Carbon Disulfide
Concen: 9.75 ug/l m
RT: 4.06 min Scan# 219
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

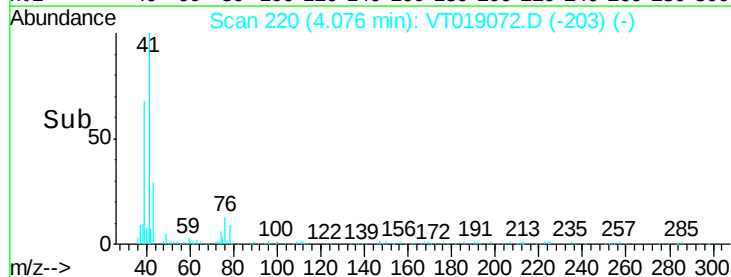
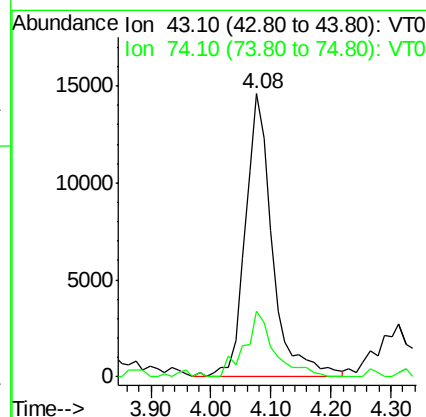
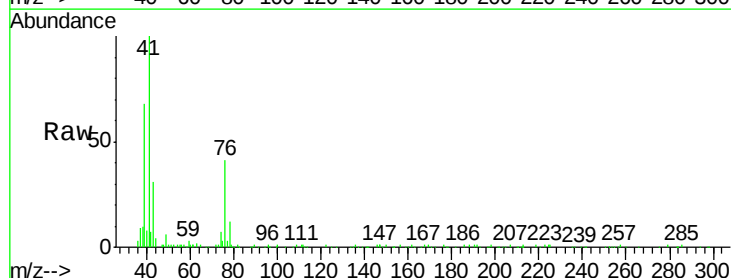
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

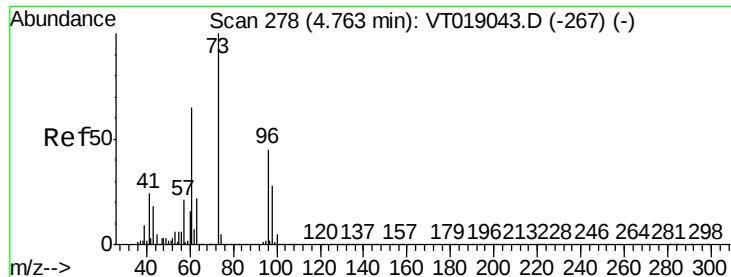
Tot Ion: 76 Resp: 285487
Ion Ratio Lower Upper
76 100
78 36.2 19.8 29.8#



#18
Methyl Acetate
Concen: 10.25 ug/l
RT: 4.08 min Scan# 220
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 43 Resp: 46190
Ion Ratio Lower Upper
43 100
74 23.3 19.8 29.8

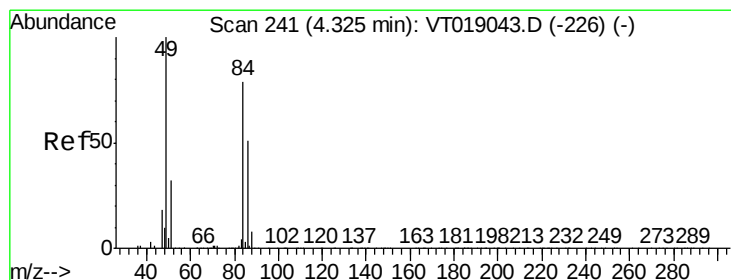
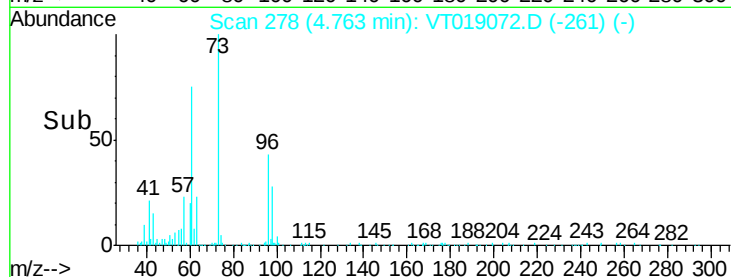
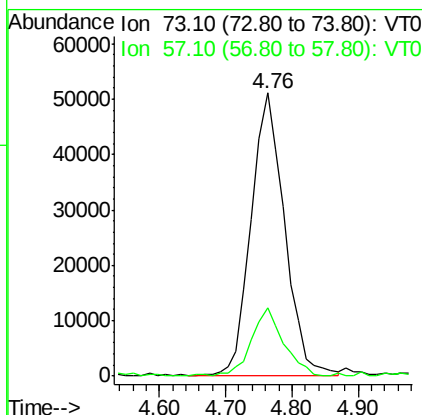
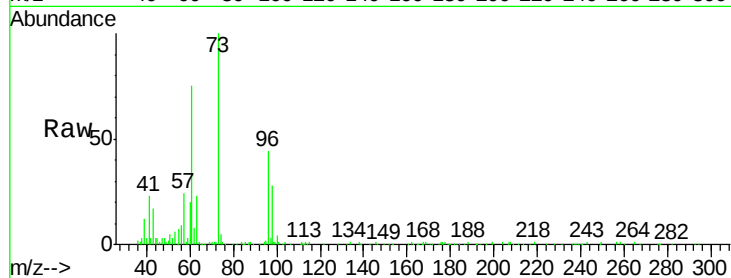




#19
Methyl tert-butyl Ether
Concen: 10.05 ug/l
RT: 4.76 min Scan# 278
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

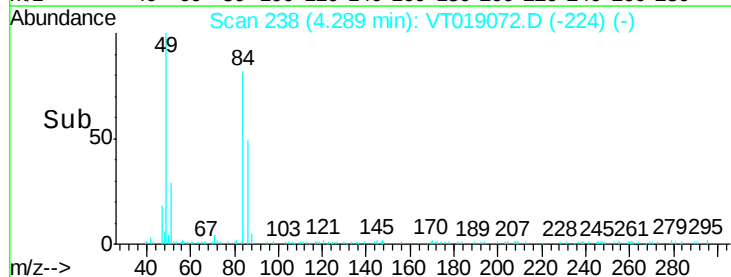
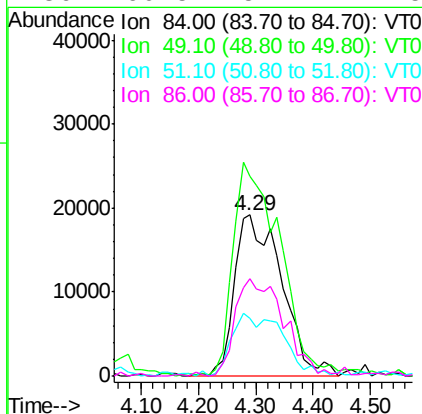
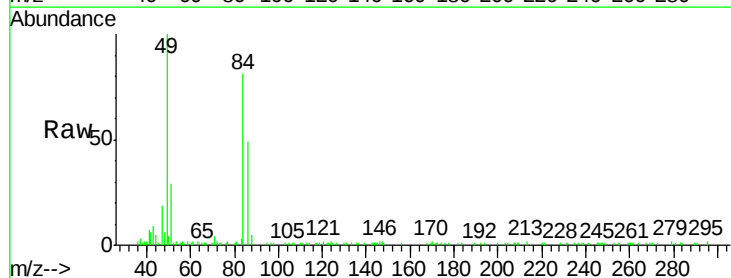
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

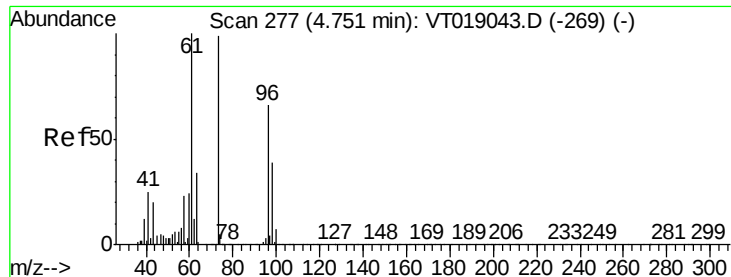
Tot Ion: 73 Resp: 178827
Ion Ratio Lower Upper
73 100
57 24.0 16.6 25.0



#20
Methylene Chloride
Concen: 11.63 ug/l
RT: 4.29 min Scan# 238
Delta R.T. -0.04 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 84 Resp: 109920
Ion Ratio Lower Upper
84 100
49 123.7 103.0 154.4
51 36.0 33.3 49.9
86 60.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 9.82 ug/l

RT: 4.75 min Scan# 277

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

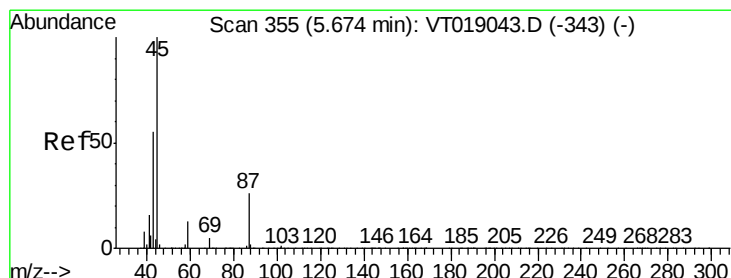
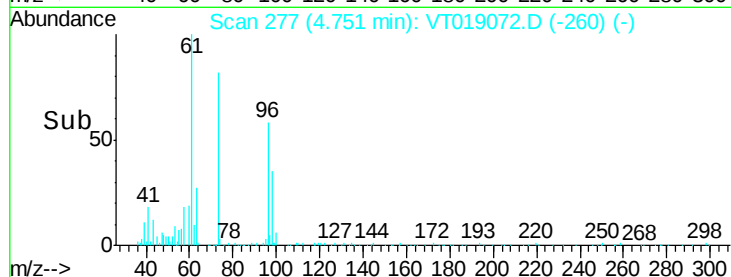
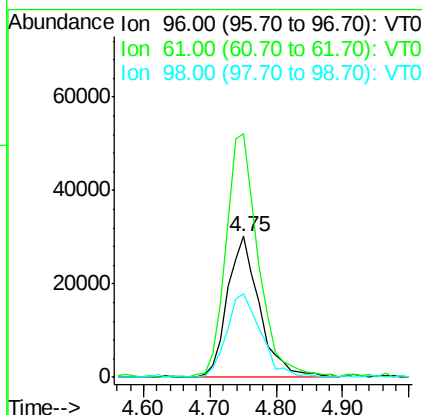
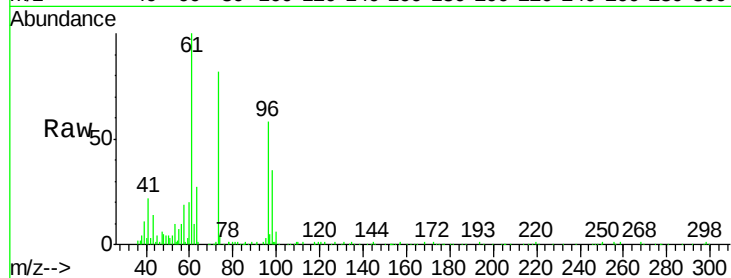
Tot Ion: 96 Resp: 102859

Ion Ratio Lower Upper

96 100

61 172.9 120.8 181.2

98 61.1 47.4 71.2



#22

Diisopropyl ether

Concen: 10.67 ug/l

RT: 5.67 min Scan# 355

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Tgt Ion: 45 Resp: 303051

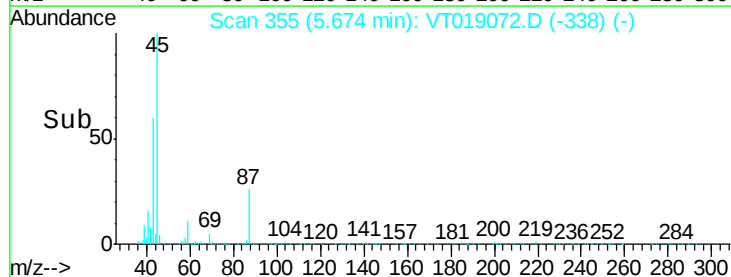
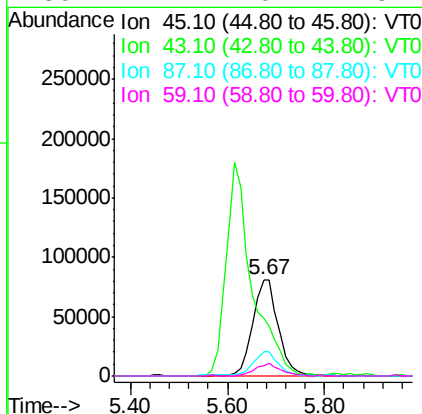
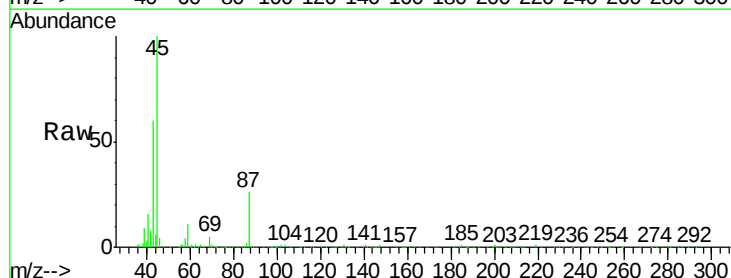
Ion Ratio Lower Upper

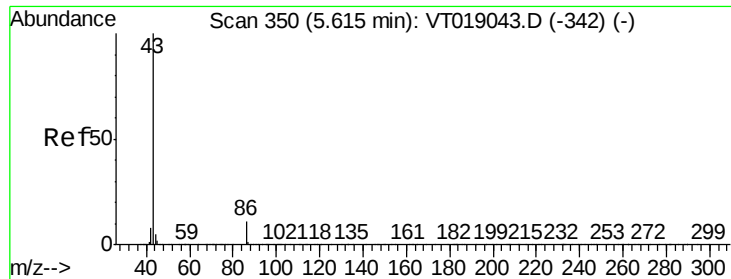
45 100

43 59.5 43.8 65.6

87 25.8 20.8 31.2

59 11.2 10.2 15.4





#23

Vinyl Acetate

Concen: 53.43 ug/l

RT: 5.61 min Scan# 350

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

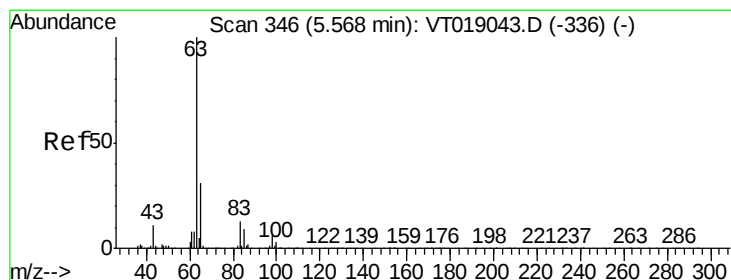
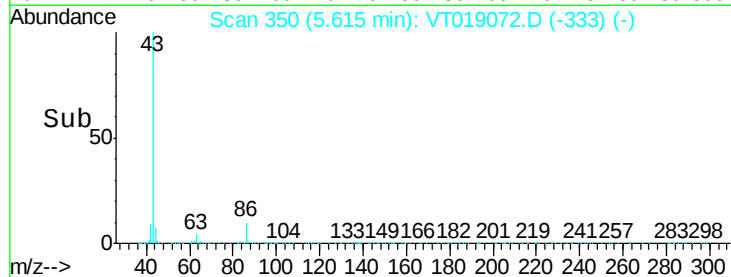
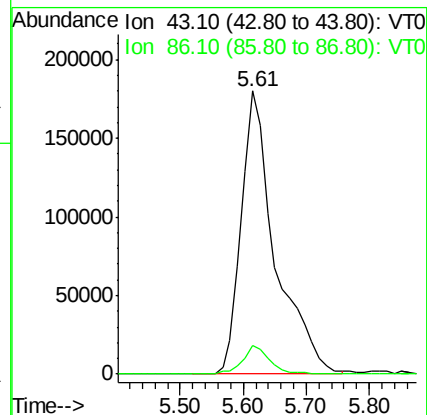
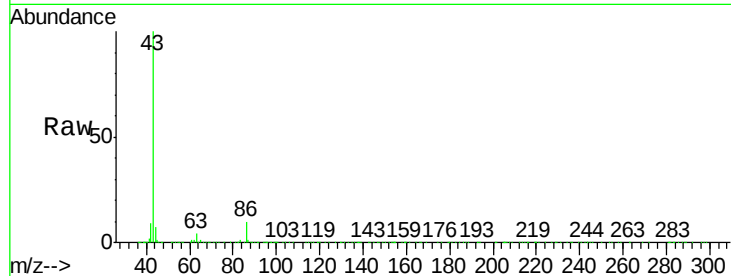
LOQ-SOIL-02-QT2-2018

Tot Ion: 43 Resp: 673527

Ion Ratio Lower Upper

43 100

86 10.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 10.14 ug/l

RT: 5.57 min Scan# 346

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

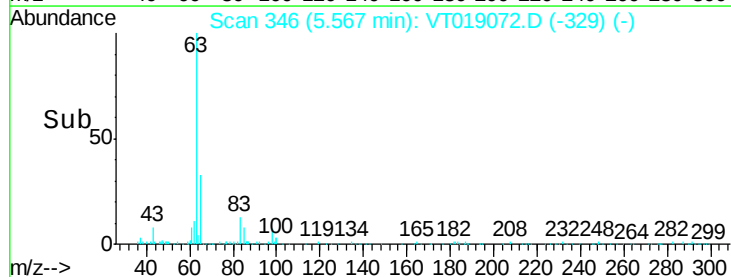
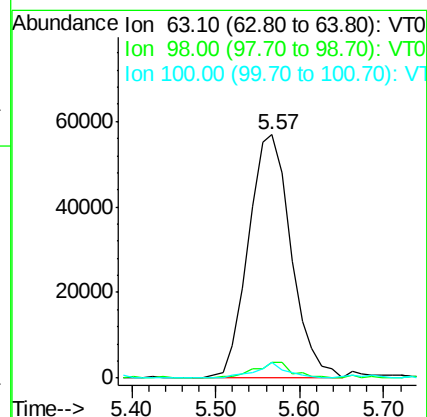
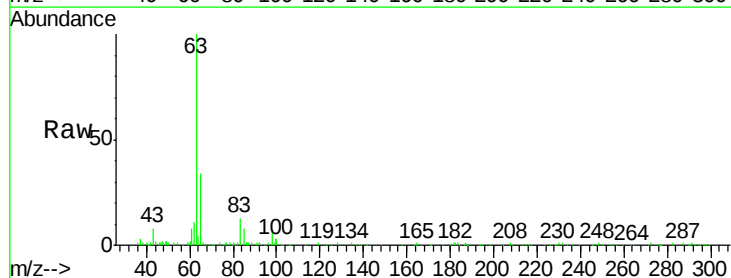
Tgt Ion: 63 Resp: 201308

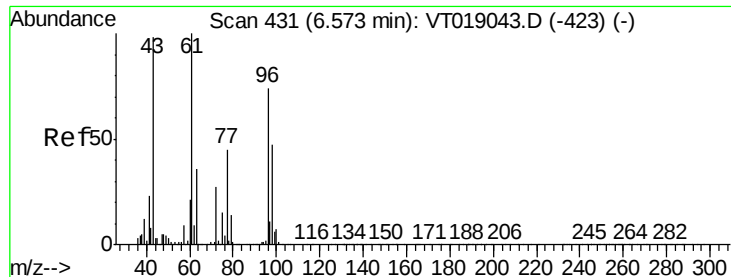
Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

100 6.4 1.7 5.1#

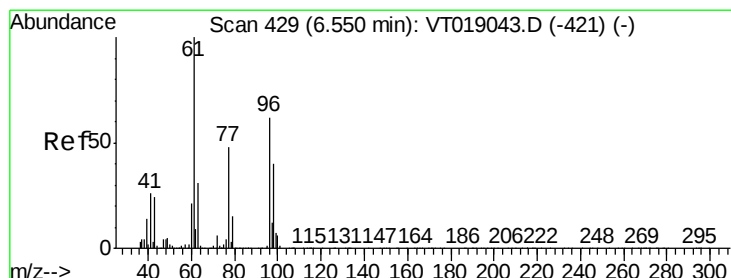
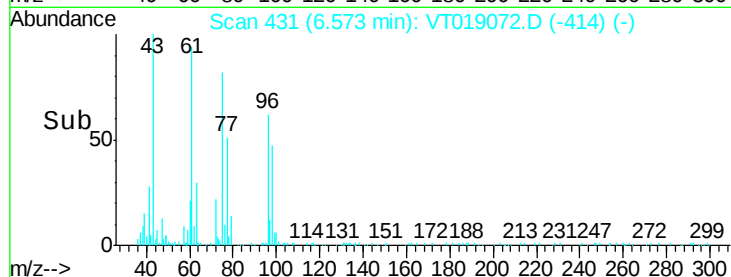
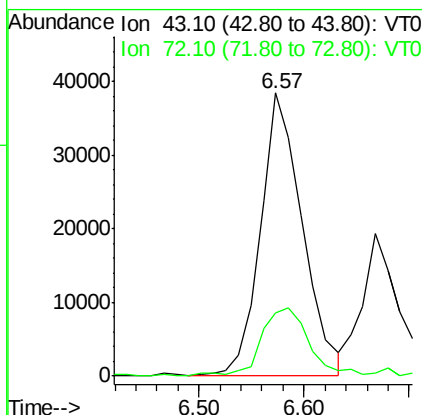
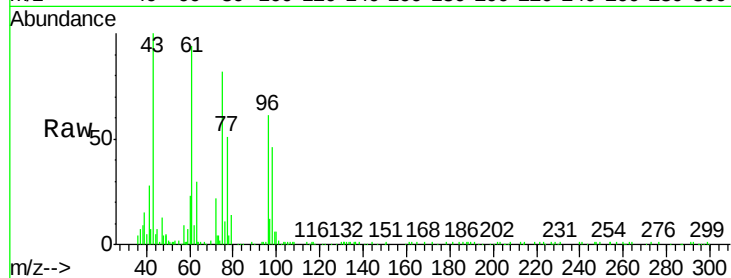




#25
2-Butanone
Concen: 54.23 ug/l
RT: 6.57 min Scan# 431
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

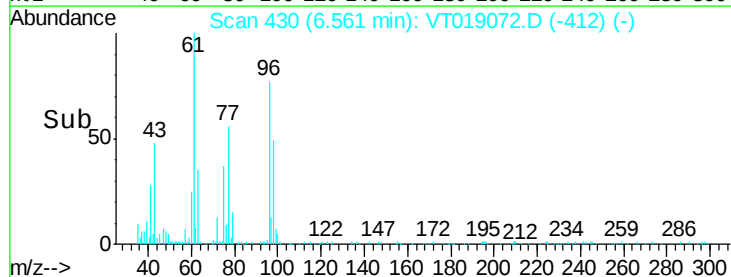
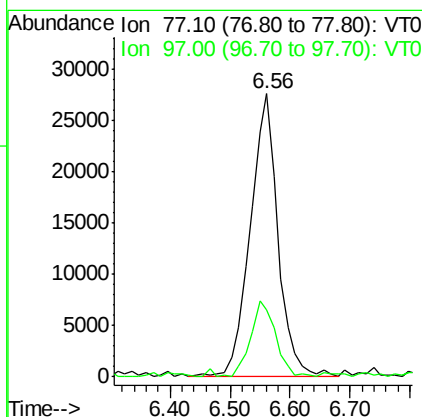
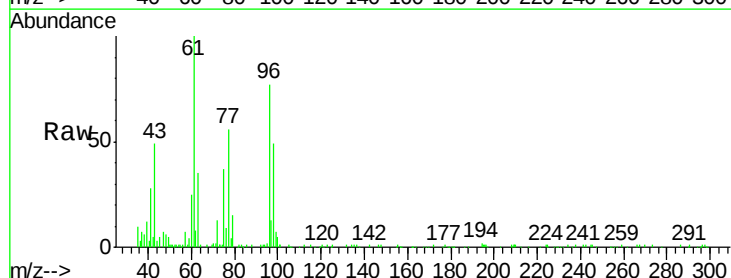
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

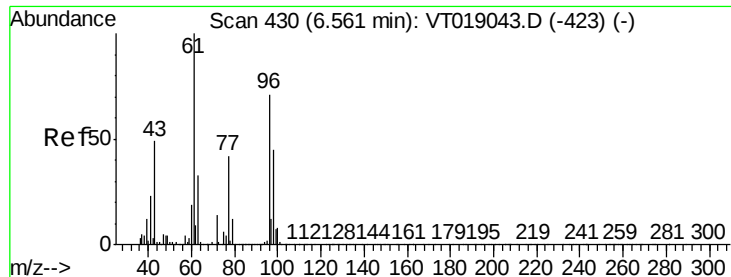
Tot Ion: 43 Resp: 107125
Ion Ratio Lower Upper
43 100
72 22.2 22.1 33.1



#26
2,2-Dichloropropane
Concen: 11.19 ug/l
RT: 6.56 min Scan# 430
Delta R.T. 0.01 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 77 Resp: 89638
Ion Ratio Lower Upper
77 100
97 23.5 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 9.78 ug/l

RT: 6.56 min Scan# 430

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

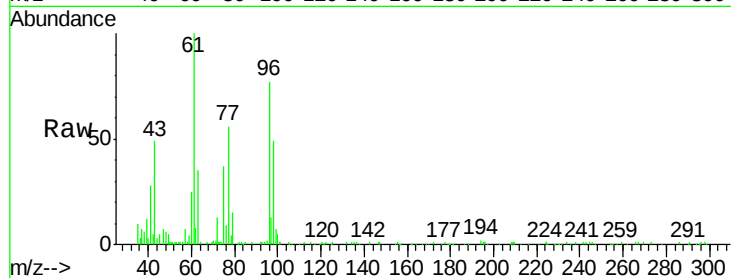
Tot Ion: 96 Resp: 100717

Ion Ratio Lower Upper

96 100

61 130.2 0.0 282.0

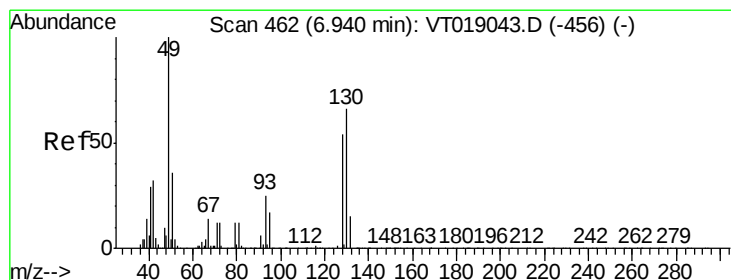
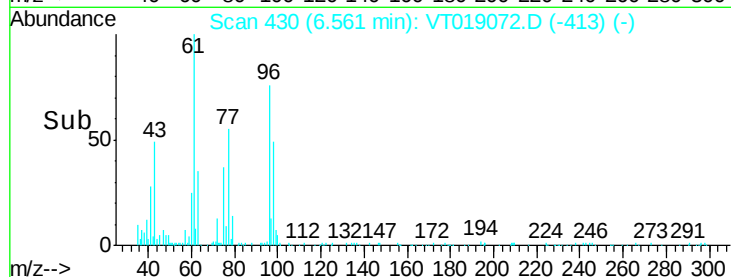
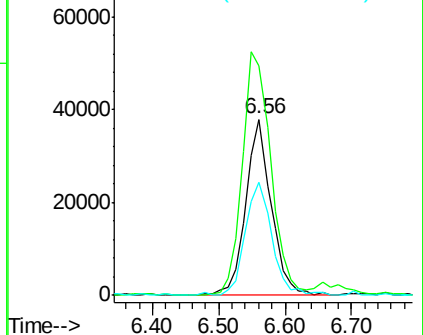
98 64.4 0.0 125.8



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: 11.12 ug/l

RT: 6.94 min Scan# 462

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

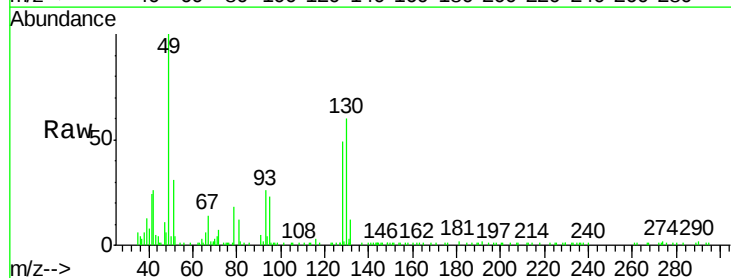
Tgt Ion: 49 Resp: 73303

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

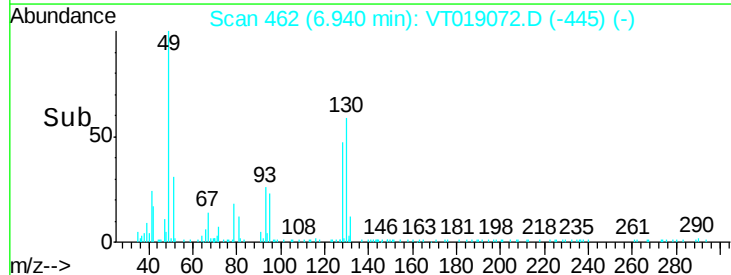
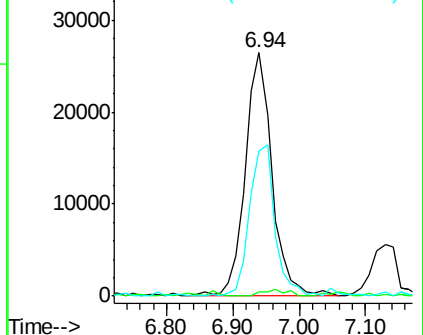
130 59.6 52.4 78.6

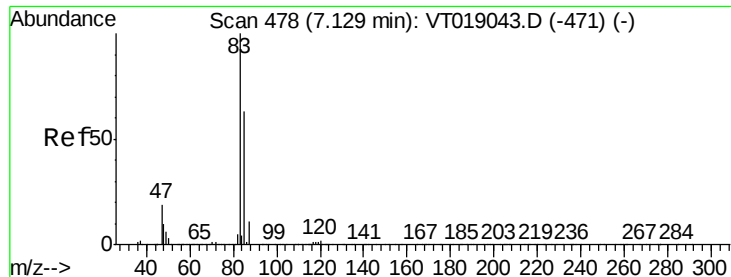


Abundance Ion 49.10 (48.80 to 49.80): VT0

Ion 129.00 (128.70 to 129.70): V

Ion 129.90 (129.60 to 130.60): V





#29

Chloroform

Concen: 10.84 ug/l

RT: 7.13 min Scan# 478

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

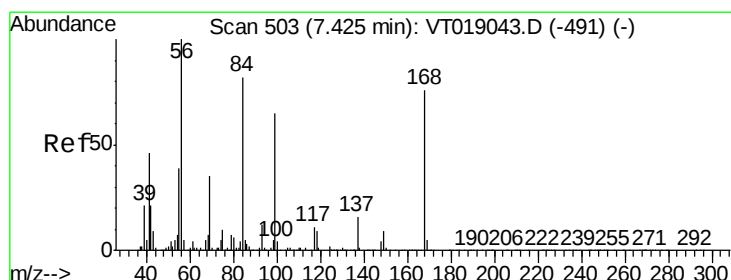
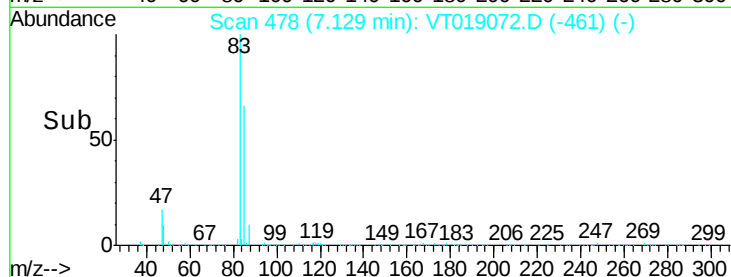
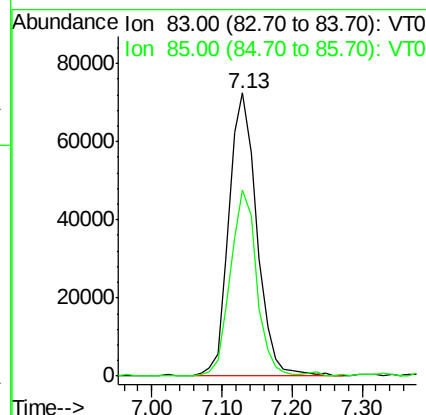
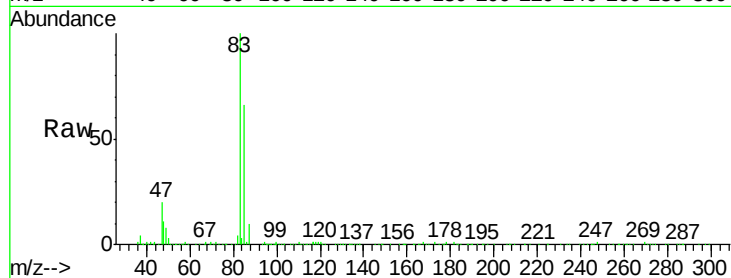
LOQ-SOIL-02-QT2-2018

Tot Ion: 83 Resp: 201442

Ion Ratio Lower Upper

83 100

85 65.8 50.6 76.0



#30

Cyclohexane

Concen: 10.56 ug/l

RT: 7.43 min Scan# 503

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

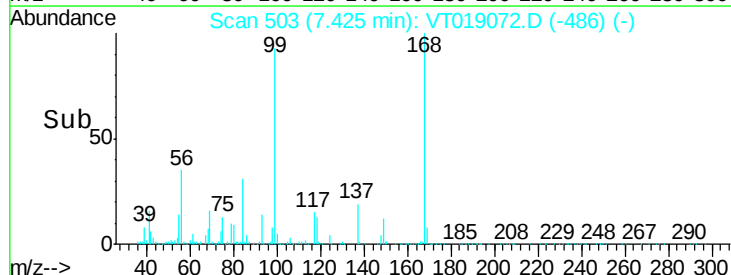
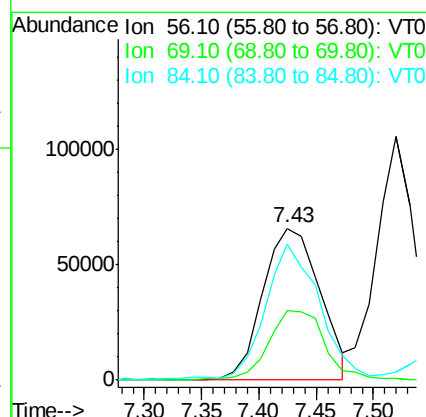
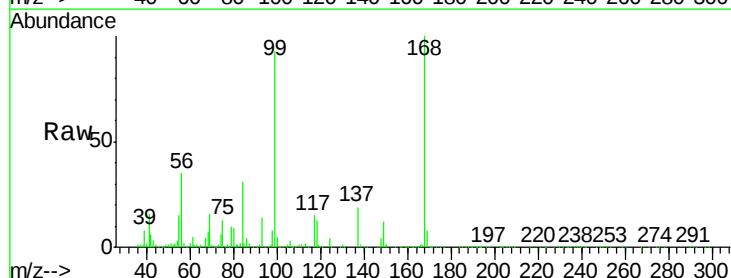
Tgt Ion: 56 Resp: 227243

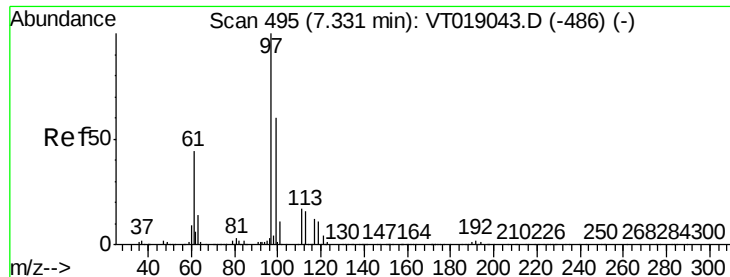
Ion Ratio Lower Upper

56 100

69 46.2 28.2 42.2#

84 89.5 65.6 98.4





#31

1,1,1-Trichloroethane

Concen: 10.84 ug/l

RT: 7.33 min Scan# 495

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

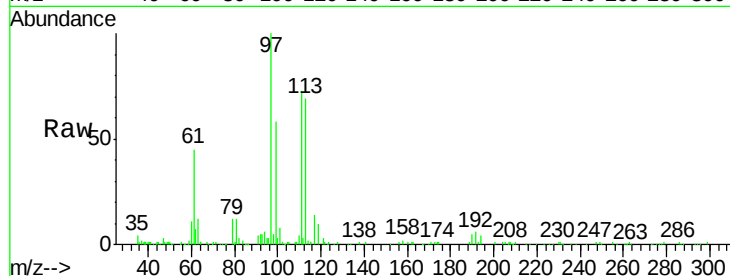
Tot Ion: 97 Resp: 155638

Ion Ratio Lower Upper

97 100

99 57.9 47.6 71.4

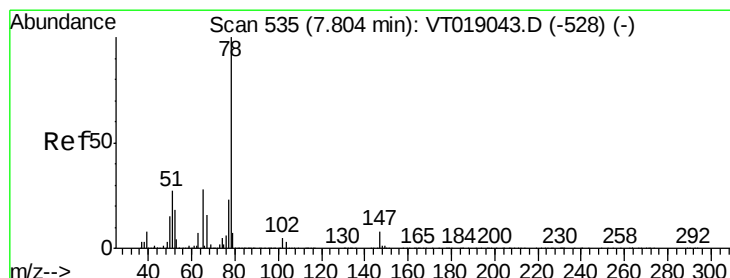
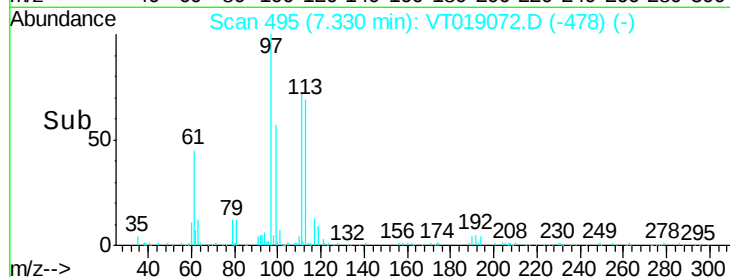
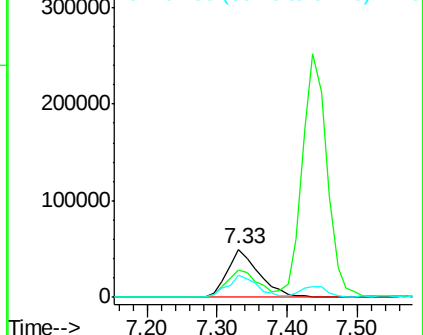
61 45.2 35.3 52.9



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: 51.47 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.00 min

Lab File: VT019072.D

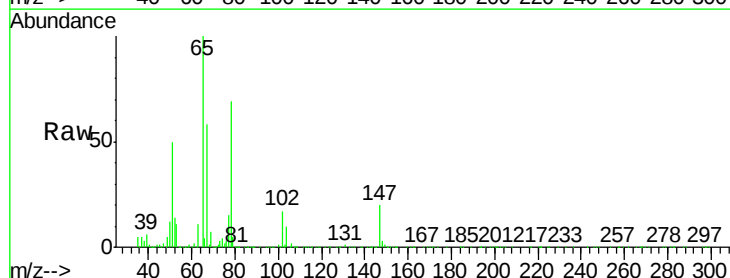
Acq: 10 May 2018 13:14

Tgt Ion: 65 Resp: 425318

Ion Ratio Lower Upper

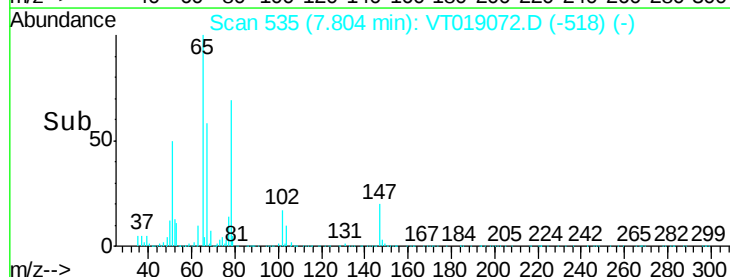
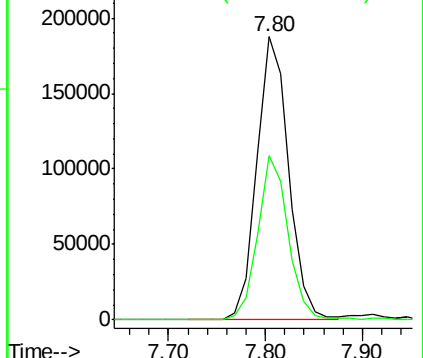
65 100

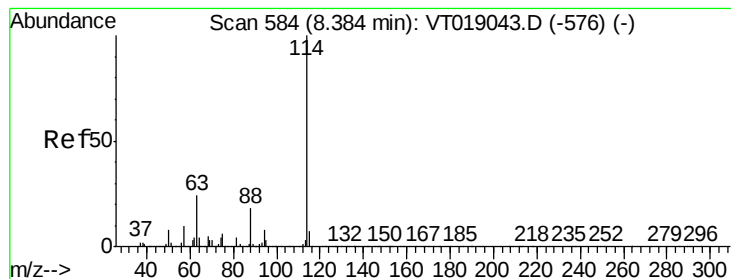
67 58.1 0.0 114.2



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: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

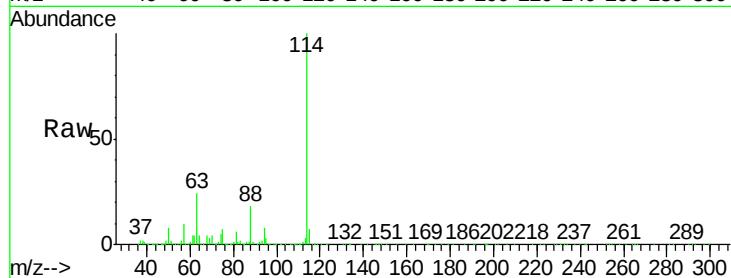
Tot Ion:114 Resp: 1500766

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.8

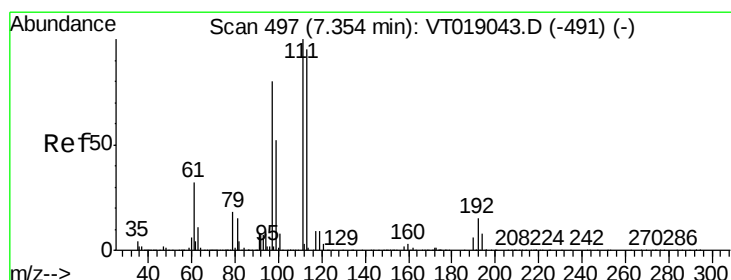
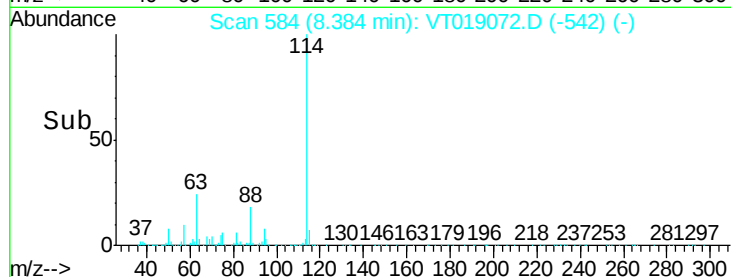
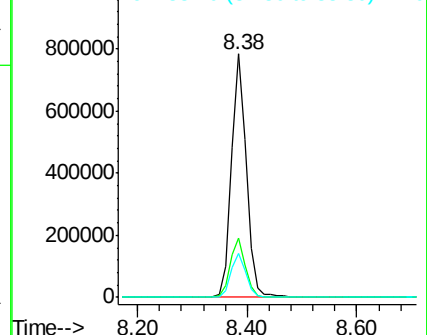
88 18.3 0.0 37.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0



#34

Dibromofluoromethane

Concen: 49.19 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

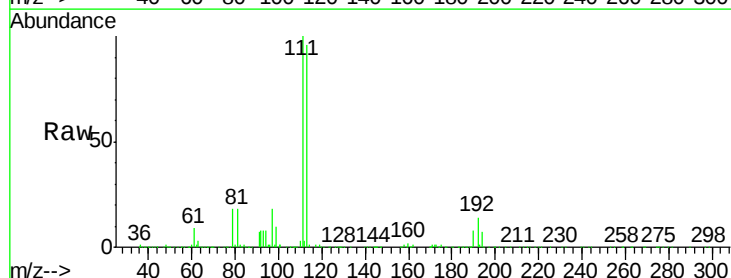
Tgt Ion:113 Resp: 413361

Ion Ratio Lower Upper

113 100

111 103.9 84.0 126.0

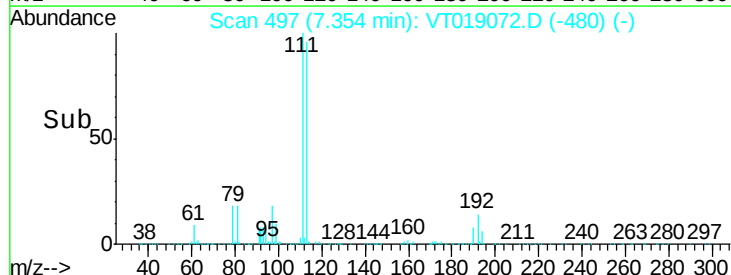
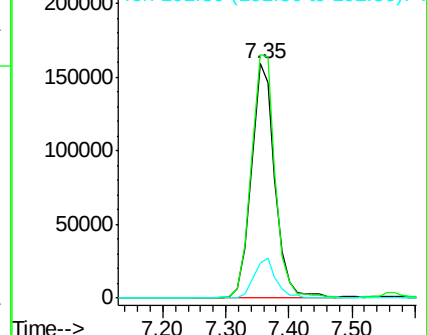
192 15.0 12.9 19.3

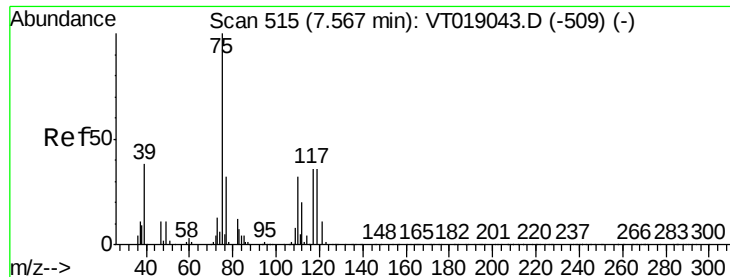


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

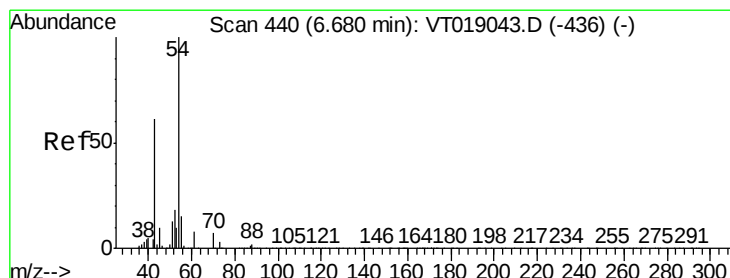
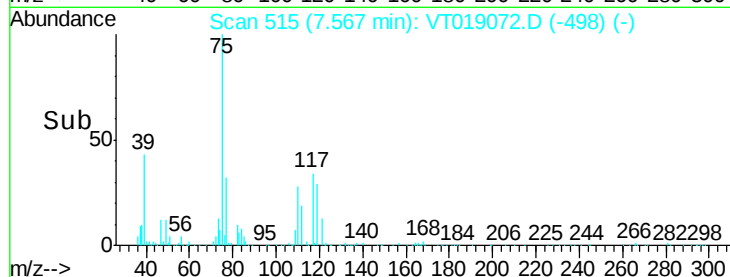
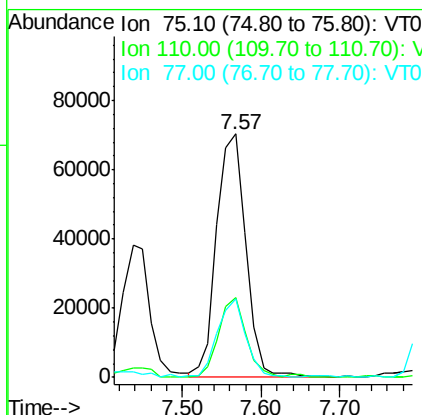
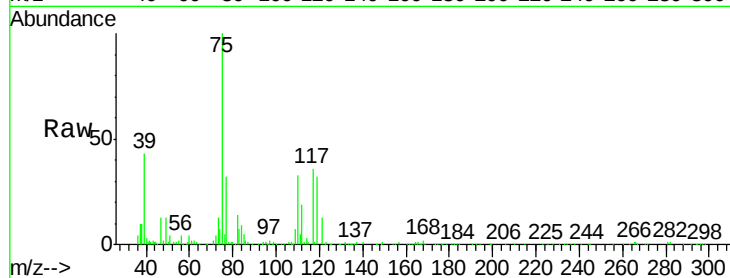




#35
 1,1-Dichloropropene
 Concen: 10.50 ug/l
 RT: 7.57 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

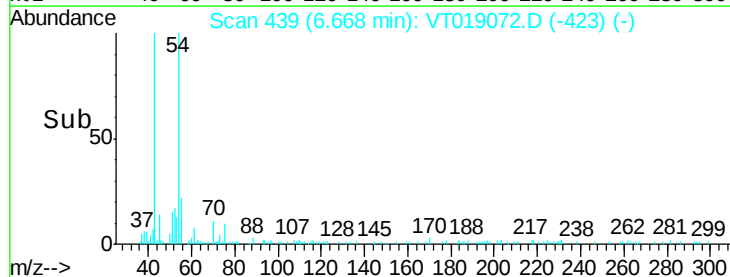
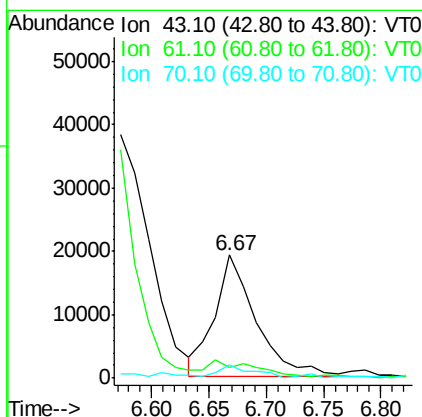
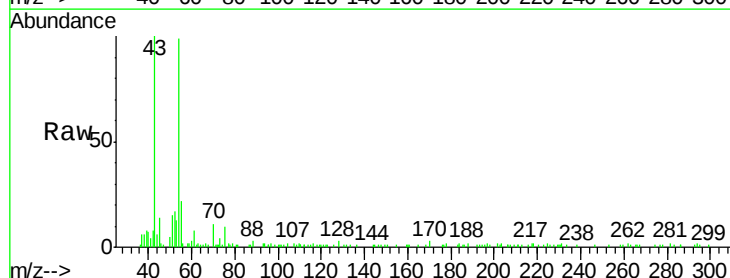
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

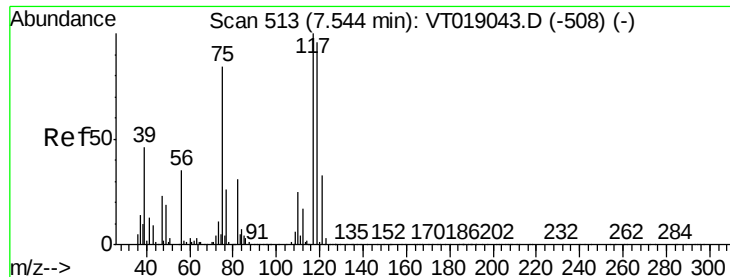
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	15.9	47.6
77	32.2	25.9	38.9



#36
 Ethyl Acetate
 Concen: 10.81 ug/l
 RT: 6.67 min Scan# 439
 Delta R.T. -0.01 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.4	14.2	21.2#
70	11.3	8.4	12.6





#37

Carbon Tetrachloride

Concen: 9.89 ug/l

RT: 7.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

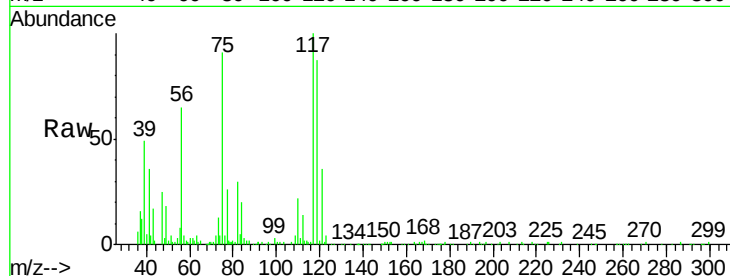
Tot Ion:117 Resp: 139784

Ion Ratio Lower Upper

117 100

119 87.4 76.5 114.7

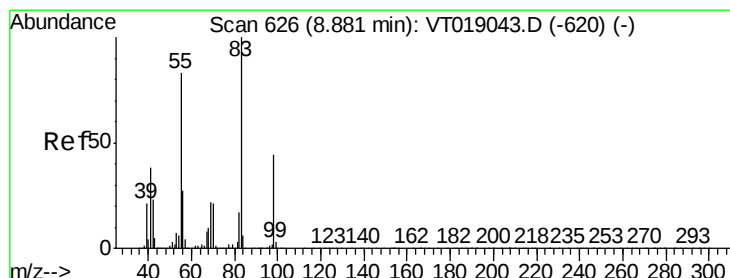
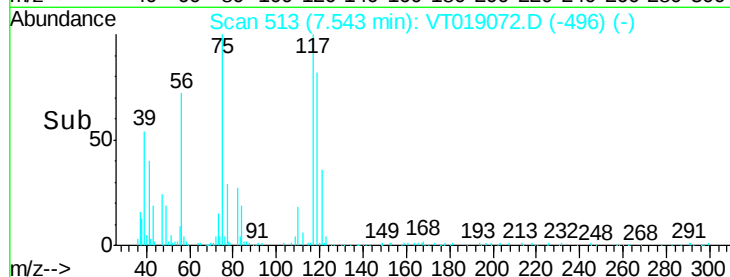
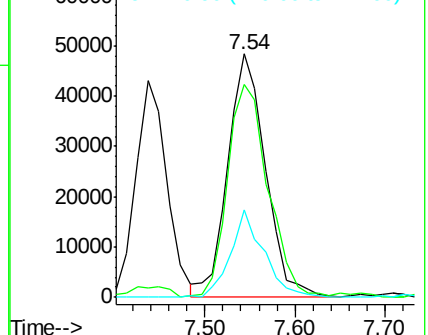
121 36.0 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V



#38

Methylcyclohexane

Concen: 9.85 ug/l

RT: 8.88 min Scan# 626

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

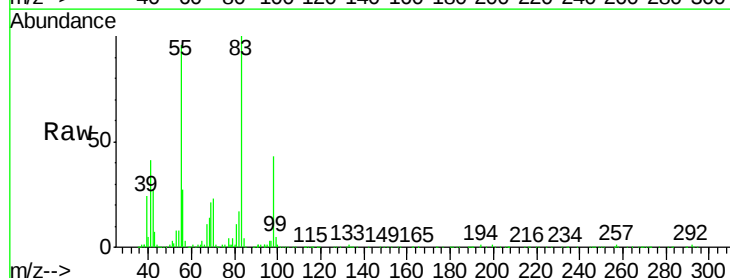
Tgt Ion: 83 Resp: 203380

Ion Ratio Lower Upper

83 100

55 96.4 66.7 100.1

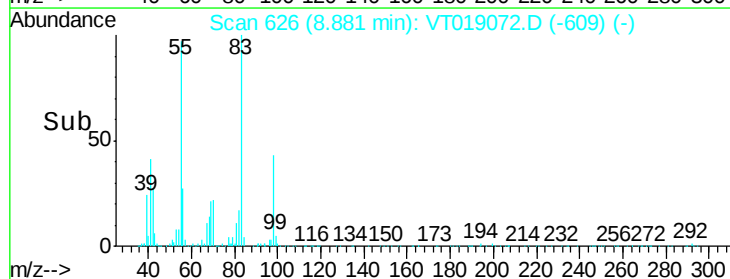
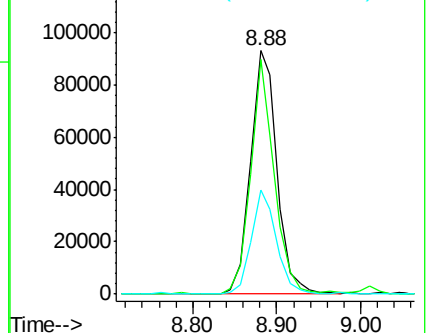
98 42.6 35.5 53.3

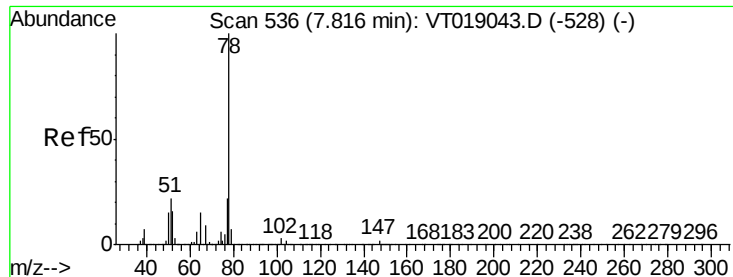


Abundance Ion 83.10 (82.80 to 83.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 98.10 (97.80 to 98.80): VT0





#39

Benzene

Concen: 10.80 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

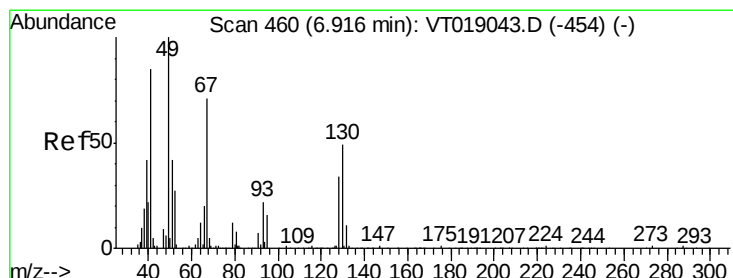
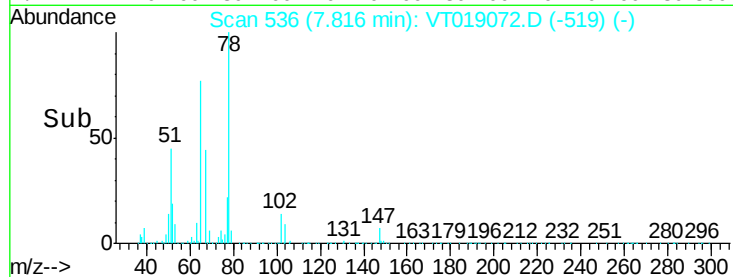
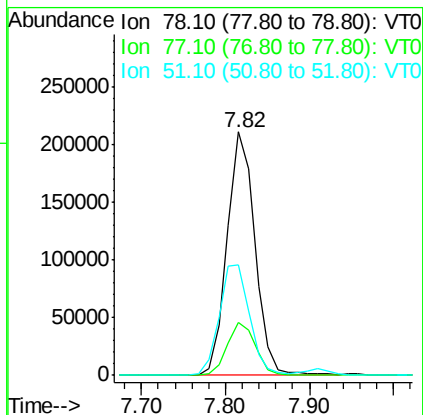
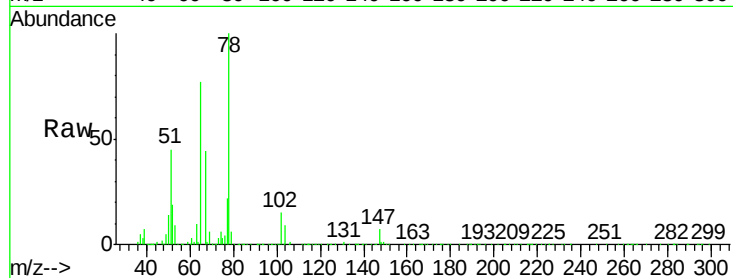
Tot Ion: 78 Resp: 487970

Ion Ratio Lower Upper

78 100

77 21.9 18.0 27.0

51 45.3 17.3 25.9#



#40

Methacrylonitrile

Concen: 9.85 ug/l

RT: 6.92 min Scan# 460

Delta R.T. 0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Tgt Ion: 41 Resp: 23506

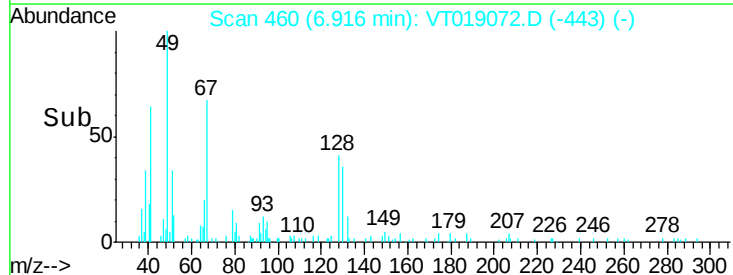
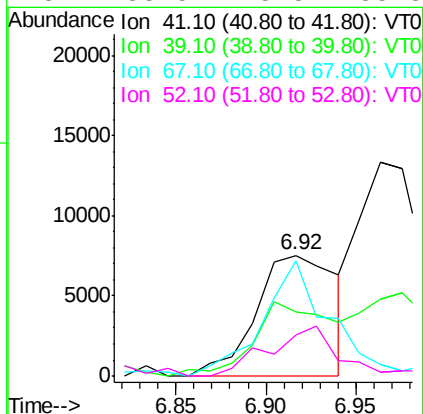
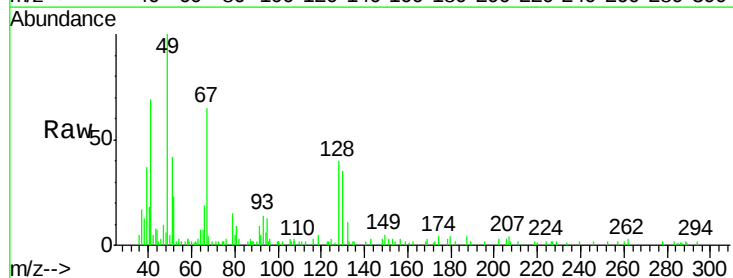
Ion Ratio Lower Upper

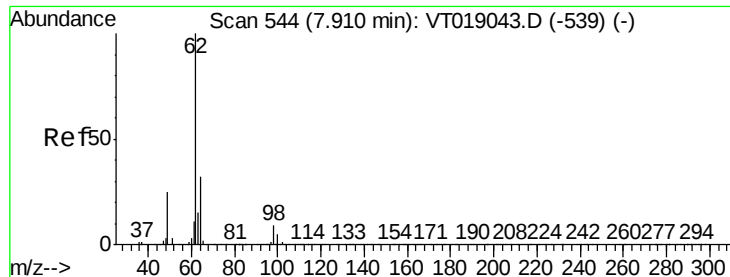
41 100

39 53.5 39.4 59.0

67 95.4 66.8 100.2

52 33.5 25.5 38.3





#41

1,2-Dichloroethane

Concen: 10.41 ug/l

RT: 7.91 min Scan# 544

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

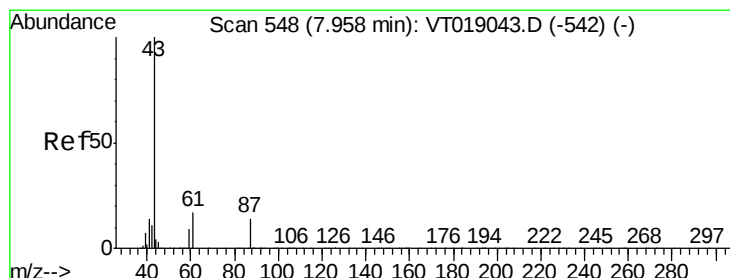
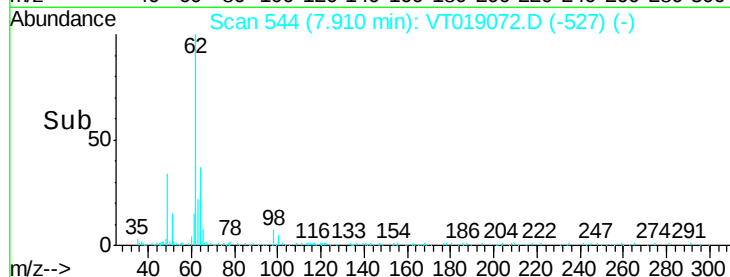
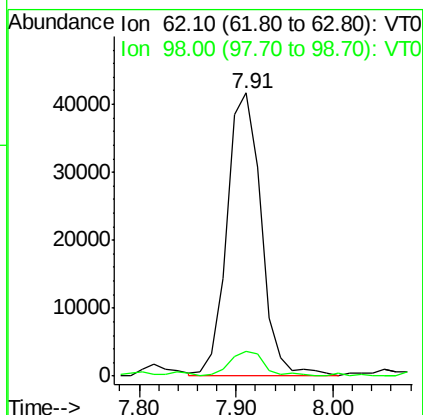
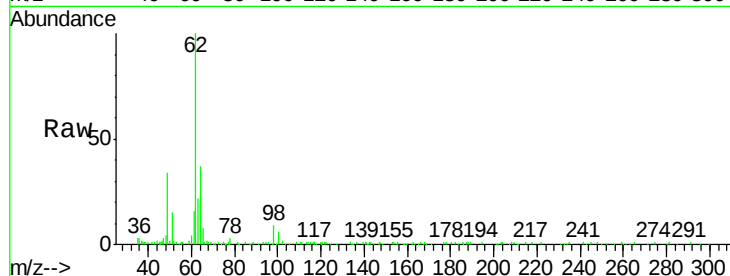
LOQ-SOIL-02-QT2-2018

Tot Ion: 62 Resp: 102124

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.4



#42

Isopropyl Acetate

Concen: 9.39 ug/l

RT: 7.96 min Scan# 548

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

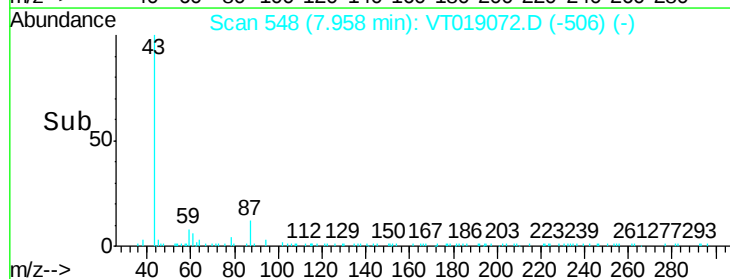
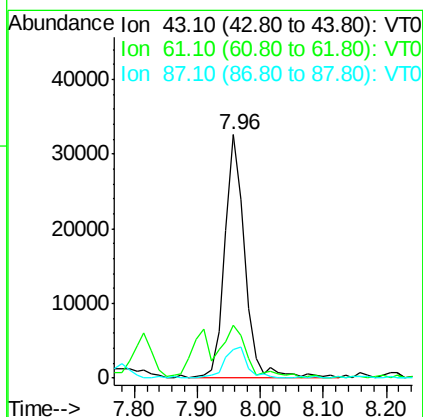
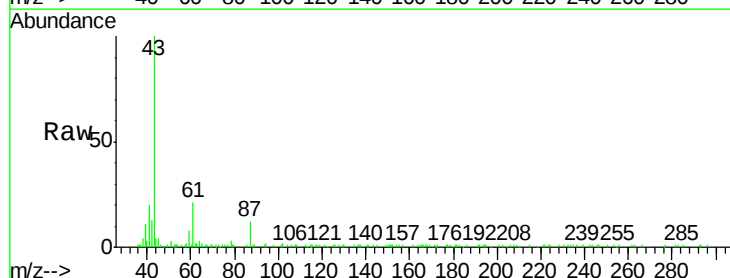
Tgt Ion: 43 Resp: 72056

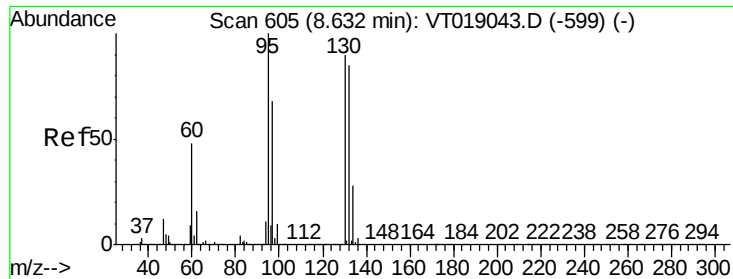
Ion Ratio Lower Upper

43 100

61 21.5 17.9 26.9

87 11.8 11.0 16.6





#43

Trichloroethene

Concen: 10.34 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

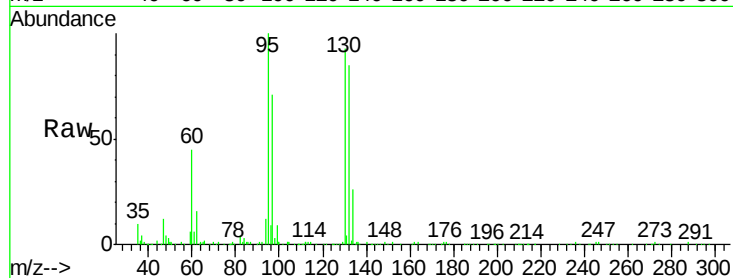
LOQ-SOIL-02-QT2-2018

Tot Ion:130 Resp: 107451

Ion Ratio Lower Upper

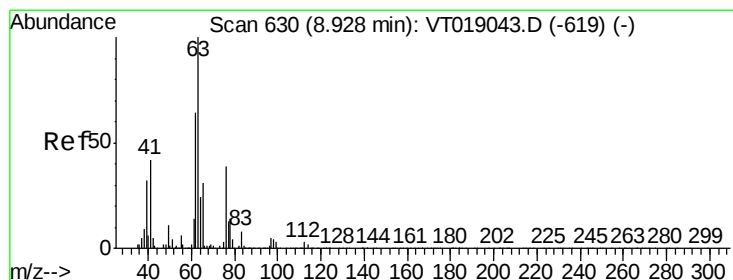
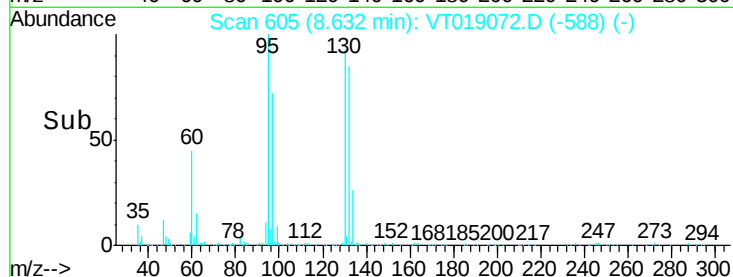
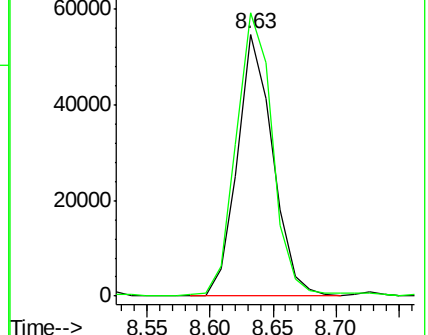
130 100

95 108.1 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: 10.11 ug/l

RT: 8.92 min Scan# 629

Delta R.T. -0.01 min

Lab File: VT019072.D

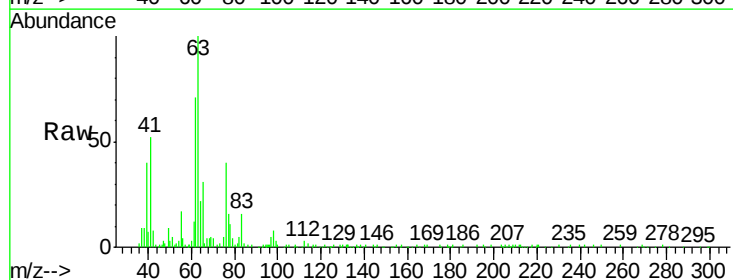
Acq: 10 May 2018 13:14

Tgt Ion: 63 Resp: 107134

Ion Ratio Lower Upper

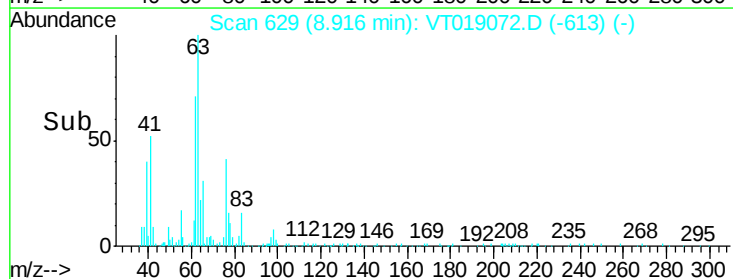
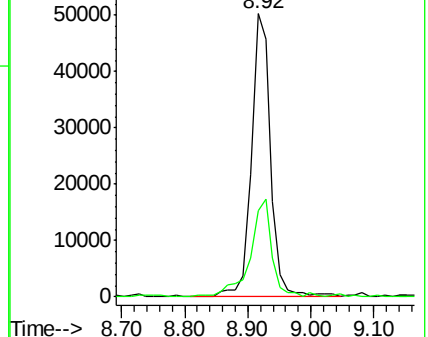
63 100

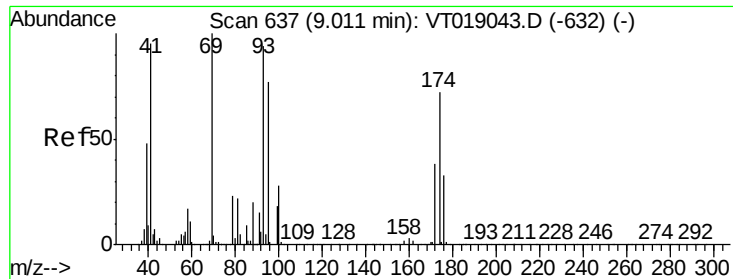
65 30.6 25.0 37.4



Abundance Ion 63.10 (62.80 to 63.80): VT0

Ion 65.10 (64.80 to 65.80): VT0

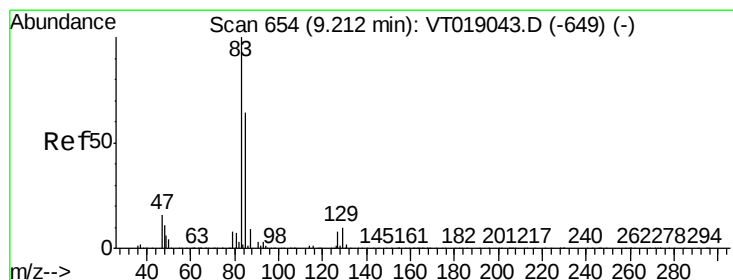
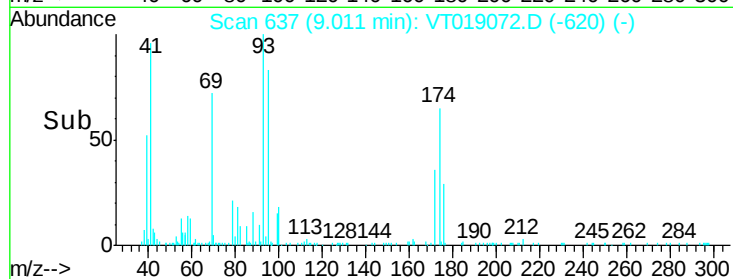
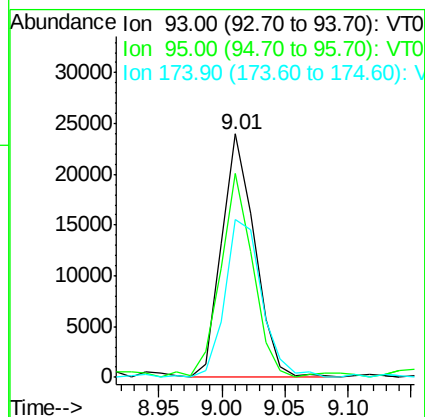
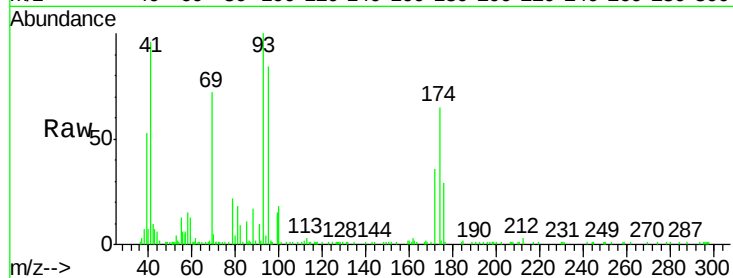




#45
Dibromomethane
Concen: 10.57 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

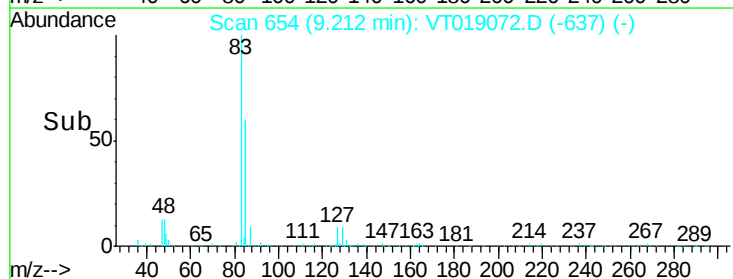
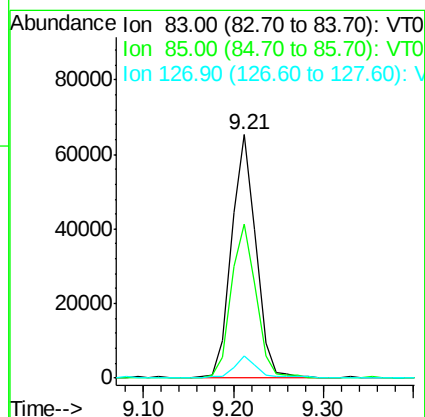
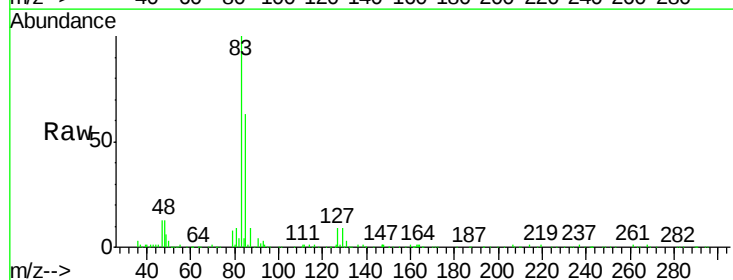
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

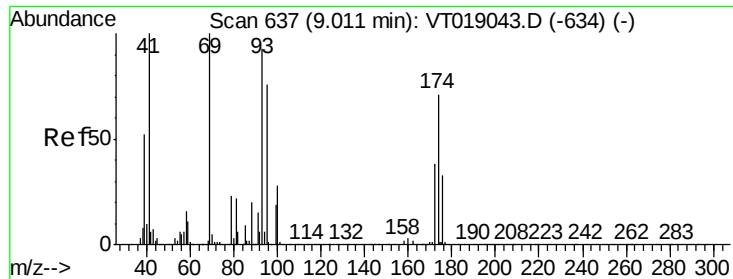
Tot Ion: 93 Resp: 44025
Ion Ratio Lower Upper
93 100
95 83.7 65.5 98.3
174 64.6 60.9 91.3



#46
Bromodichloromethane
Concen: 10.22 ug/l
RT: 9.21 min Scan# 654
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 83 Resp: 123703
Ion Ratio Lower Upper
83 100
85 63.5 51.3 76.9
127 9.0 6.1 9.1

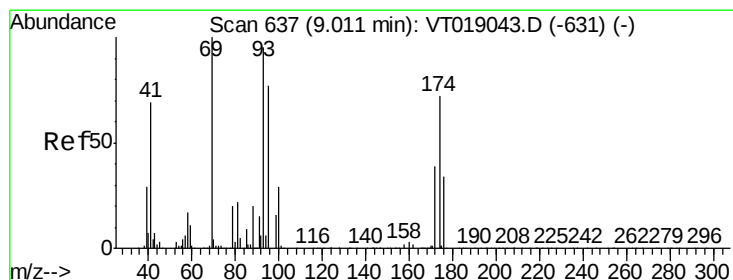
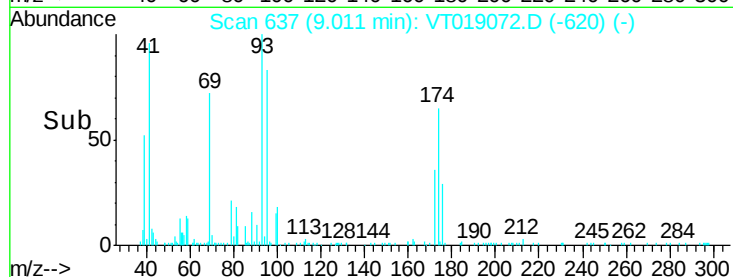
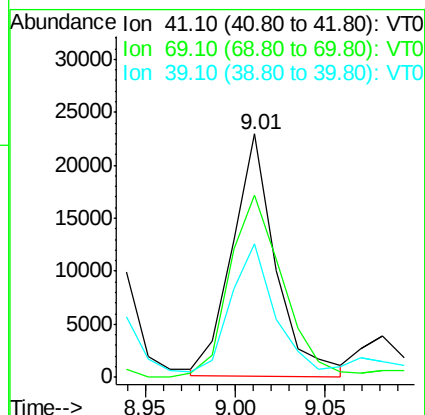
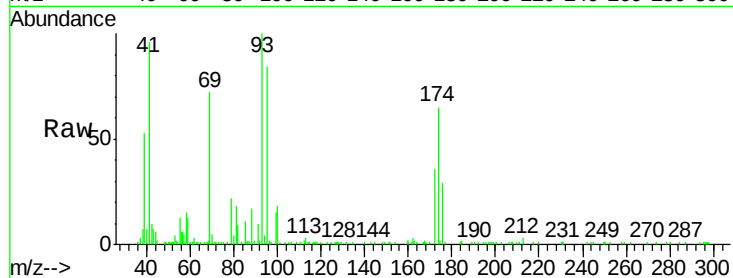




#47
Methvl methacrvlate
Concen: 9.73 ug/l
RT: 9.01 min Scan# 637
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

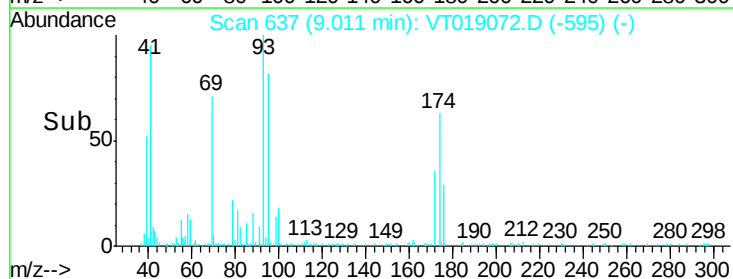
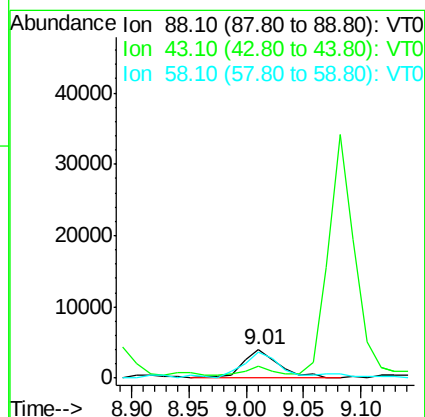
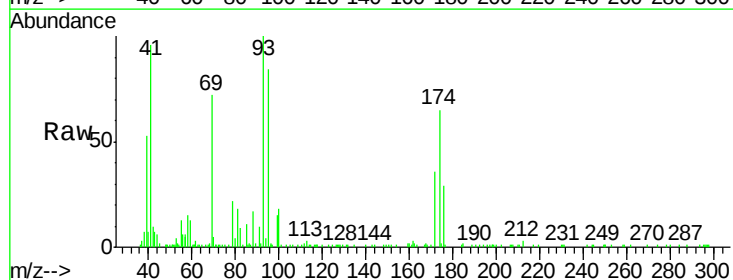
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

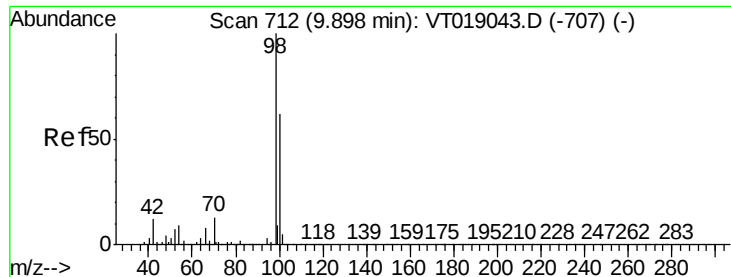
Tot Ion: 41 Resp: 38591
Ion Ratio Lower Upper
41 100
69 75.1 78.4 117.6#
39 55.0 41.4 62.2



#48
1,4-Dioxane
Concen: 171.84 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 88 Resp: 8673
Ion Ratio Lower Upper
88 100
43 39.6 30.5 45.7
58 90.1 67.5 101.3





#49

Toluene-d8

Concen: 51.09 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

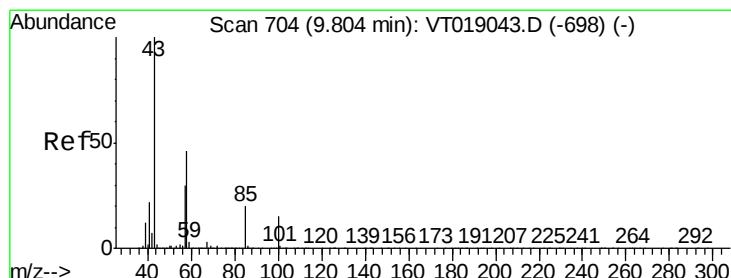
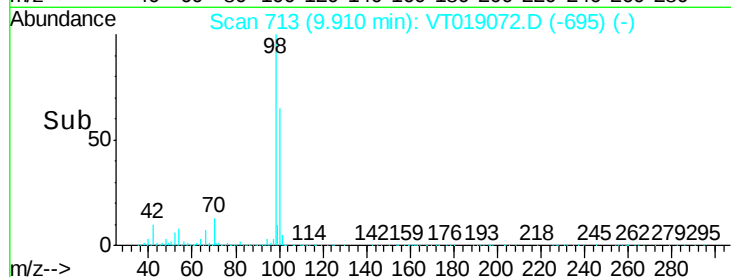
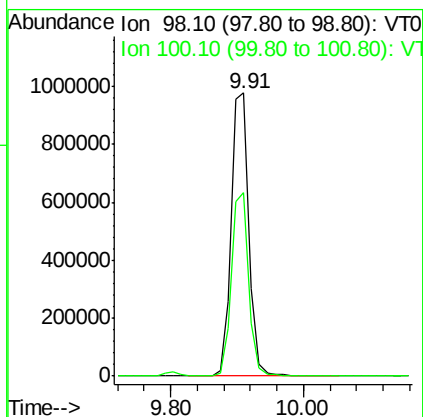
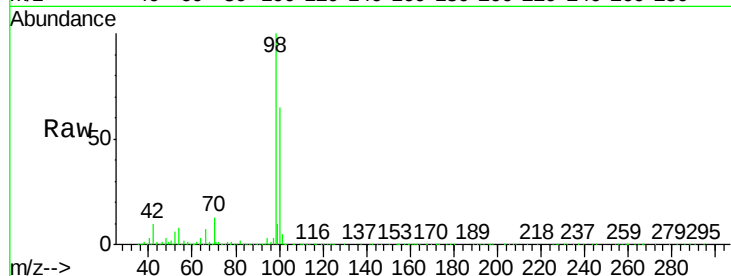
LOQ-SOIL-02-QT2-2018

Tot Ion: 98 Resp: 1841787

Ion Ratio Lower Upper

98 100

100 65.0 50.0 75.0



#50

4-Methyl-2-Pentanone

Concen: 50.37 ug/l

RT: 9.80 min Scan# 704

Delta R.T. -0.00 min

Lab File: VT019072.D

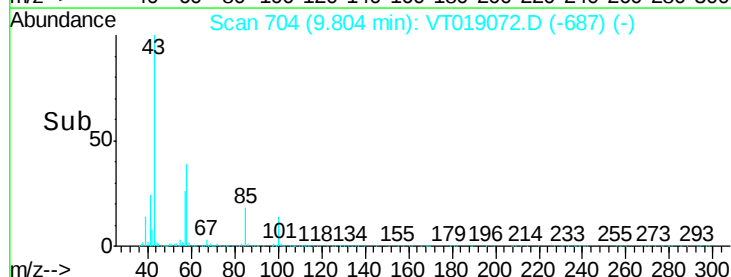
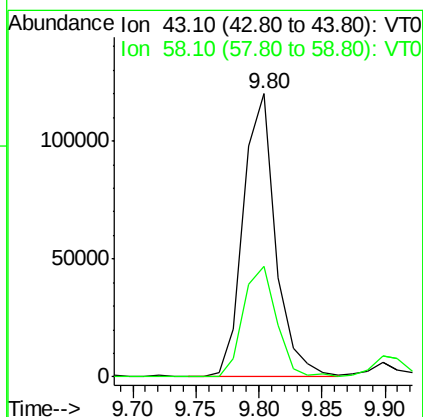
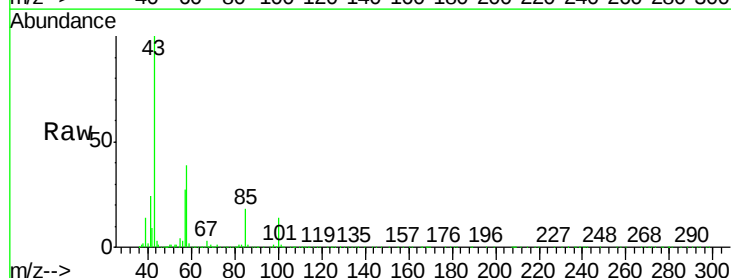
Acq: 10 May 2018 13:14

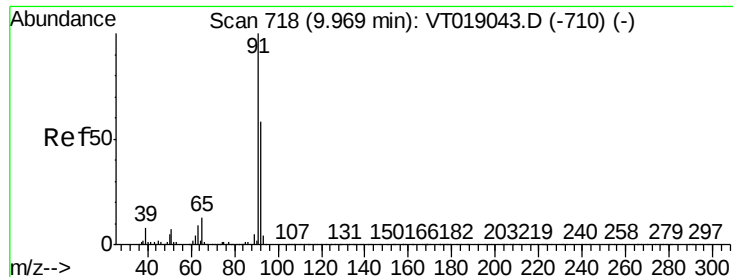
Tgt Ion: 43 Resp: 211949

Ion Ratio Lower Upper

43 100

58 39.0 36.6 54.8





#51

Toluene

Concen: 10.24 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

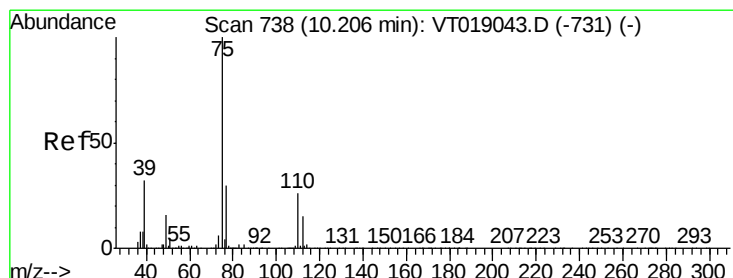
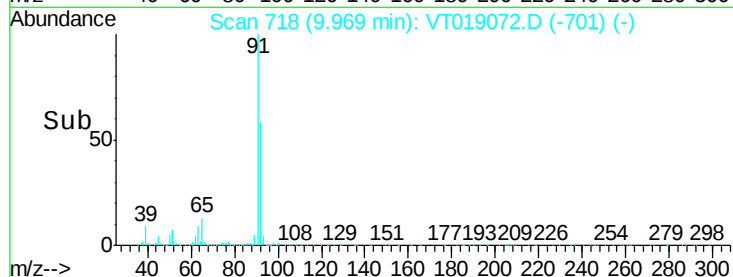
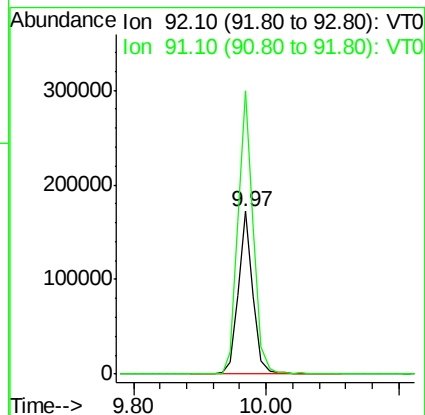
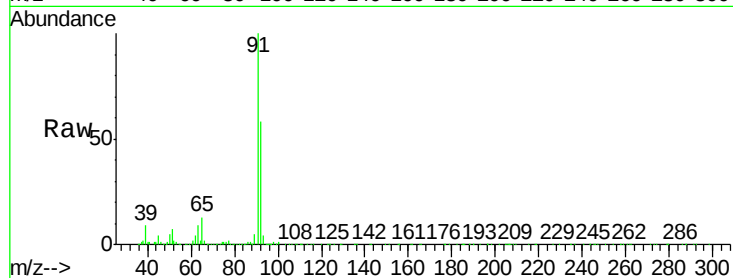
LOQ-SOIL-02-QT2-2018

Tot Ion: 92 Resp: 267422

Ion Ratio Lower Upper

92 100

91 173.9 137.8 206.6



#52

t-1,3-Dichloropropene

Concen: 9.14 ug/l

RT: 10.19 min Scan# 737

Delta R.T. -0.01 min

Lab File: VT019072.D

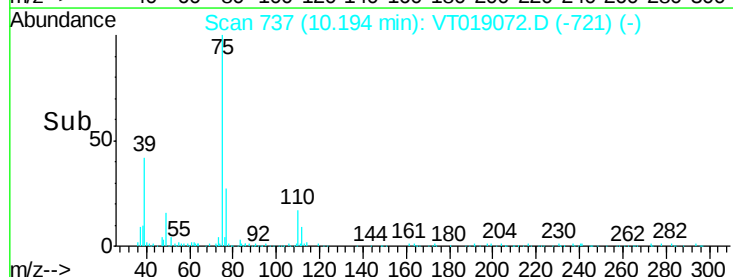
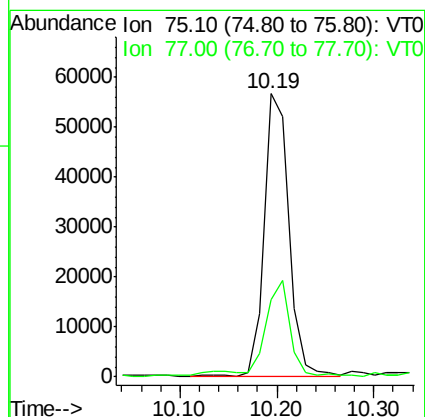
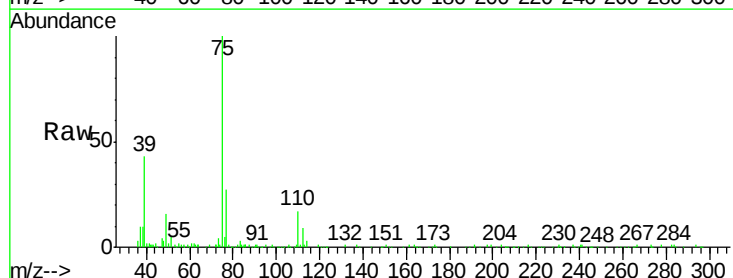
Acq: 10 May 2018 13:14

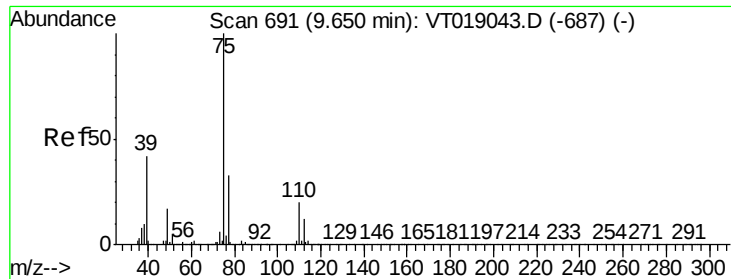
Tgt Ion: 75 Resp: 100611

Ion Ratio Lower Upper

75 100

77 27.4 24.6 36.8





#53

cis-1,3-Dichloropropene

Concen: 9.73 ug/l

RT: 9.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

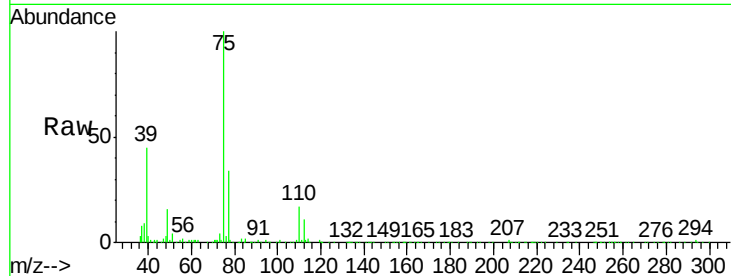
Tot Ion: 75 Resp: 136330

Ion Ratio Lower Upper

75 100

77 33.8 26.6 39.8

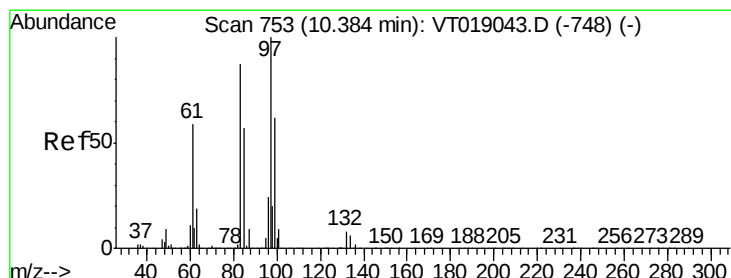
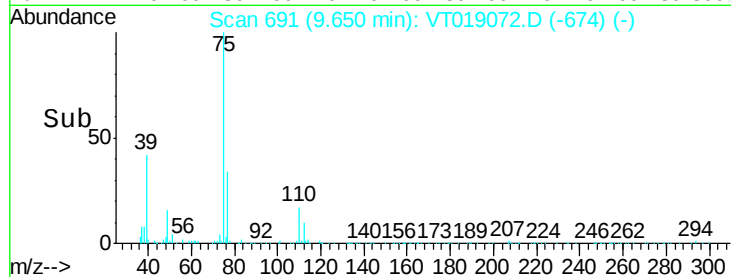
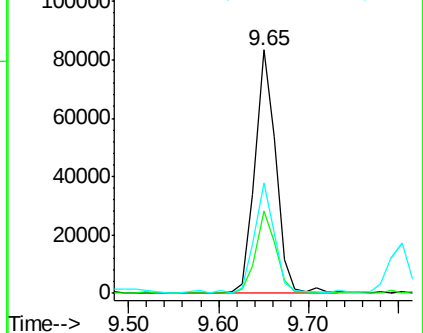
39 45.3 34.1 51.1



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: 10.13 ug/l

RT: 10.38 min Scan# 753

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Tgt Ion: 97 Resp: 64022

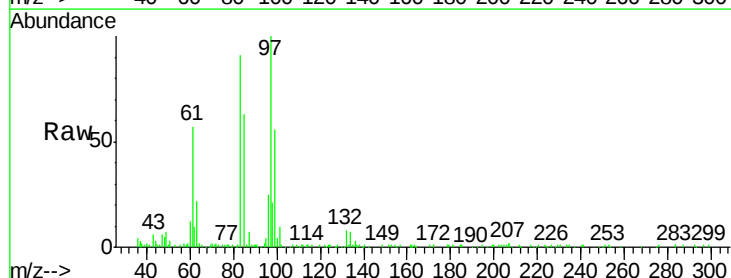
Ion Ratio Lower Upper

97 100

83 90.8 69.7 104.5

85 63.3 46.1 69.1

99 55.8 49.6 74.4

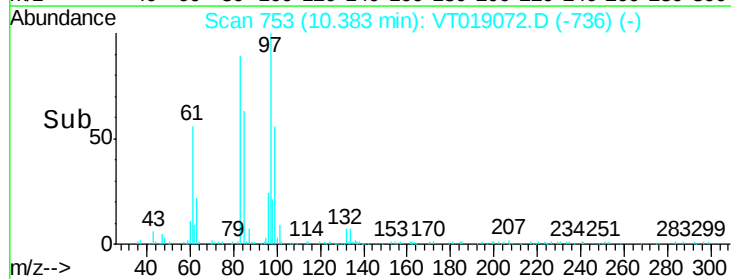
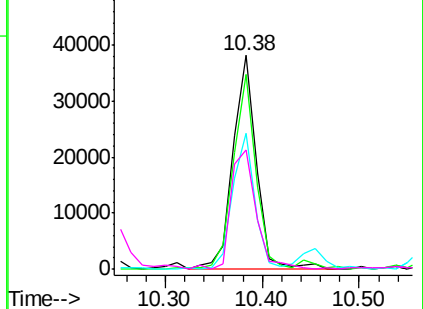


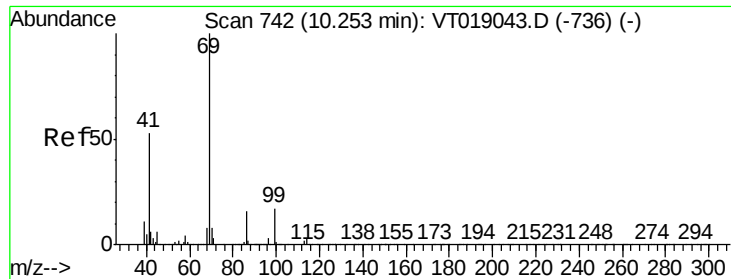
Abundance Ion 97.00 (96.70 to 97.70): VT0

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: 8.69 ug/l

RT: 10.25 min Scan# 742

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

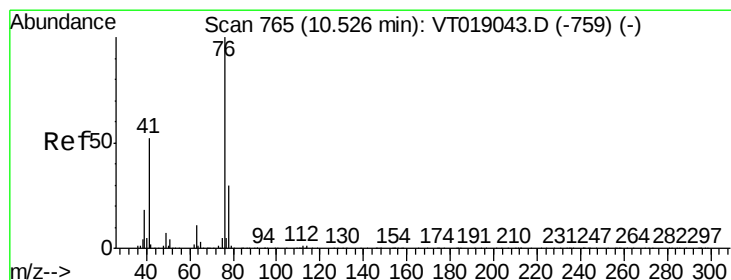
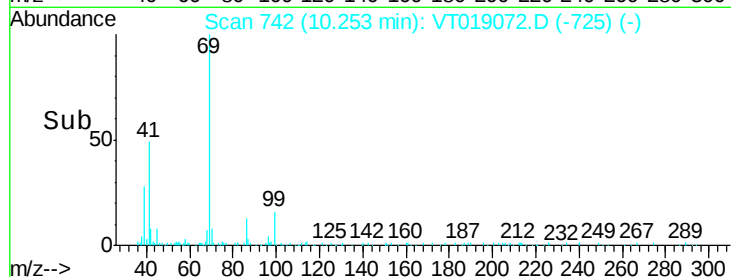
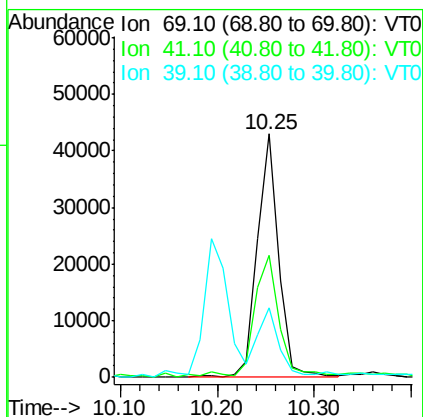
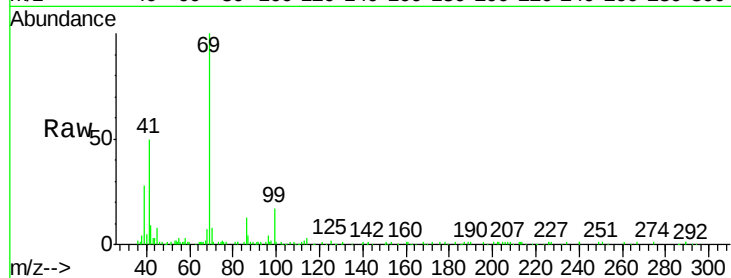
Tot Ion: 69 Resp: 65857

Ion Ratio Lower Upper

69 100

41 49.9 42.9 64.3

39 28.4 21.2 31.8



#56

1,3-Dichloropropane

Concen: 10.48 ug/l

RT: 10.53 min Scan# 765

Delta R.T. -0.00 min

Lab File: VT019072.D

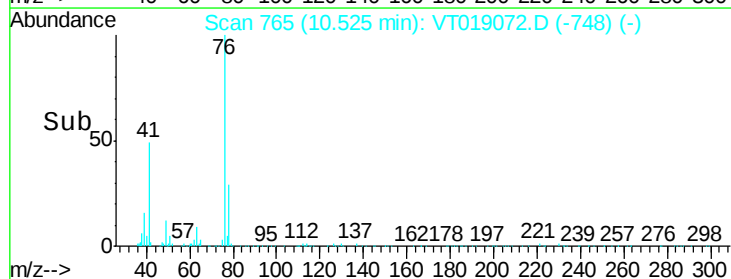
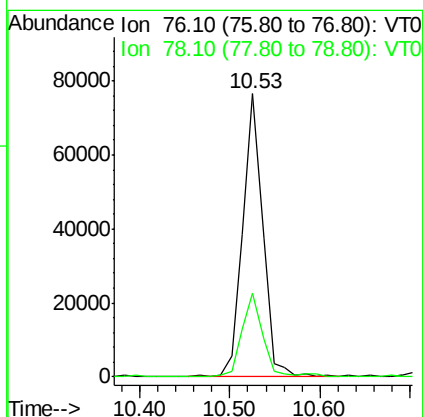
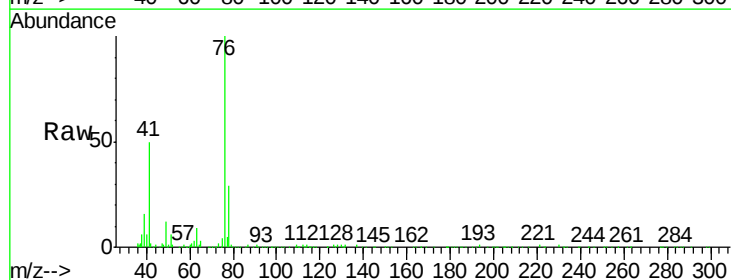
Acq: 10 May 2018 13:14

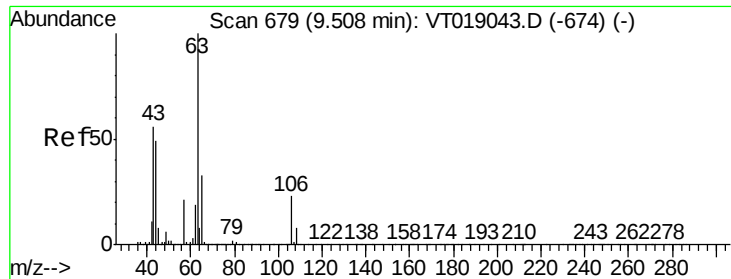
Tgt Ion: 76 Resp: 118566

Ion Ratio Lower Upper

76 100

78 29.4 24.1 36.1

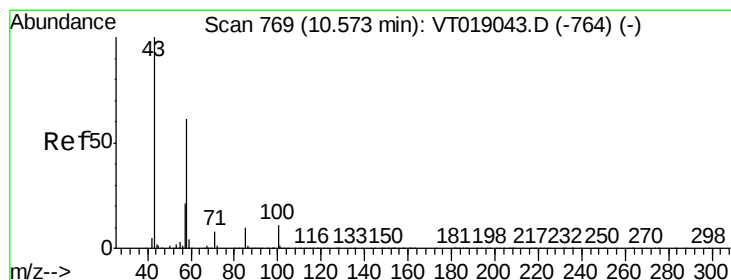
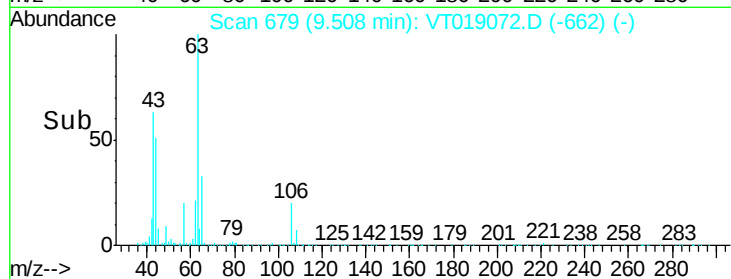
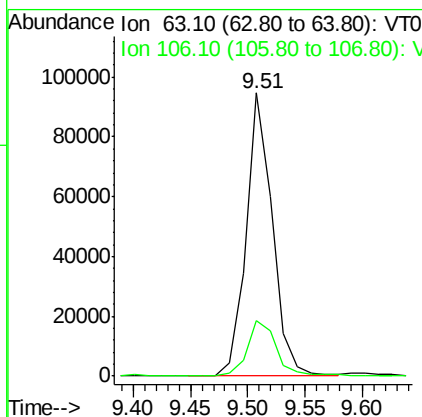
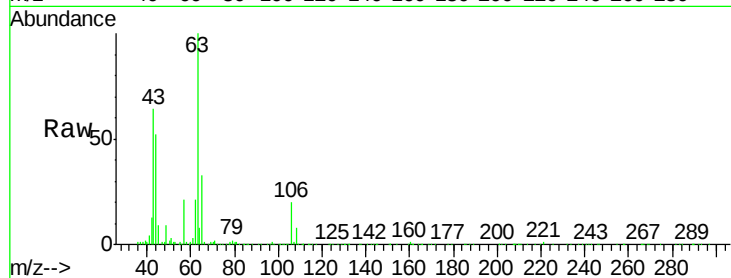




#57
 2-Chloroethyl Vinyl ether
 Concen: 43.39 ug/l
 RT: 9.51 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

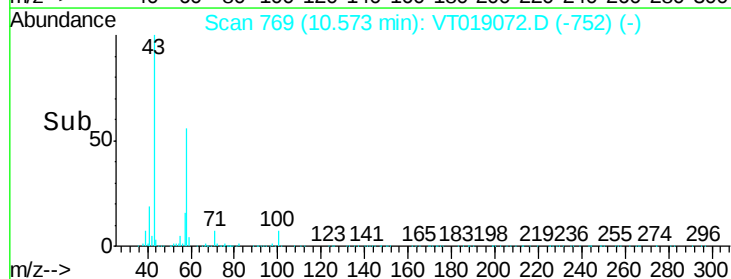
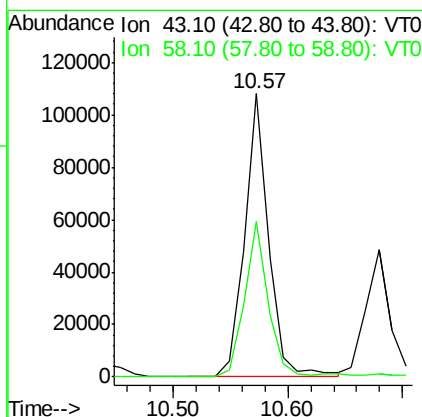
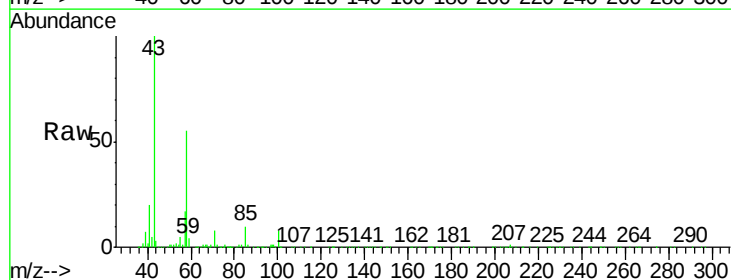
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

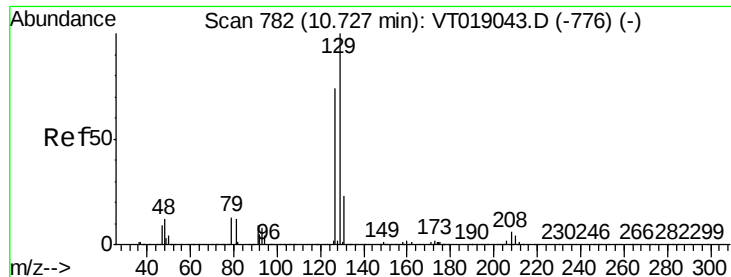
Tot Ion: 63 Resp: 151481
 Ion Ratio Lower Upper
 63 100
 106 19.8 18.7 28.1



#58
 2-Hexanone
 Concen: 51.86 ug/l
 RT: 10.57 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion: 43 Resp: 158222
 Ion Ratio Lower Upper
 43 100
 58 54.9 30.6 92.0





#59

Dibromochloromethane

Concen: 9.10 ug/l

RT: 10.73 min Scan# 782

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

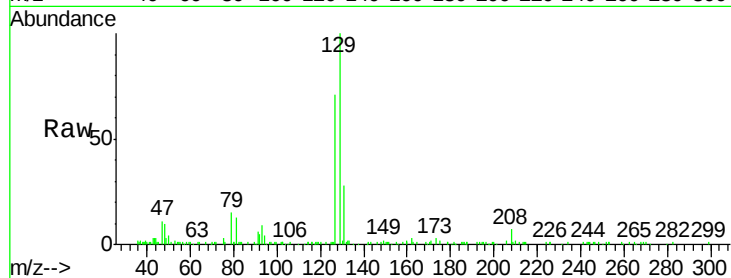
LOQ-SOIL-02-QT2-2018

Tot Ion:129 Resp: 59819

Ion Ratio Lower Upper

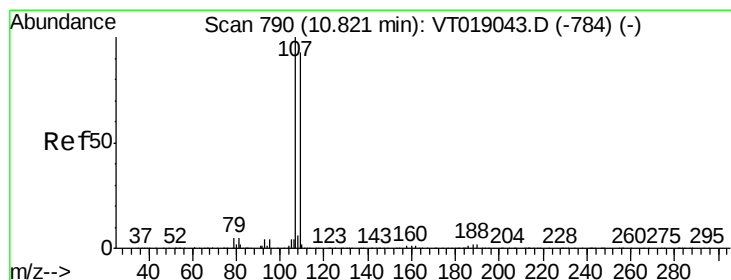
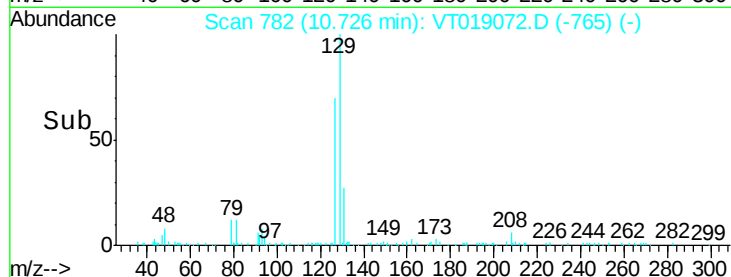
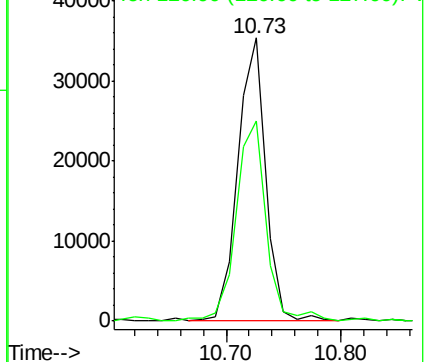
129 100

127 70.6 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: 9.72 ug/l

RT: 10.82 min Scan# 790

Delta R.T. -0.00 min

Lab File: VT019072.D

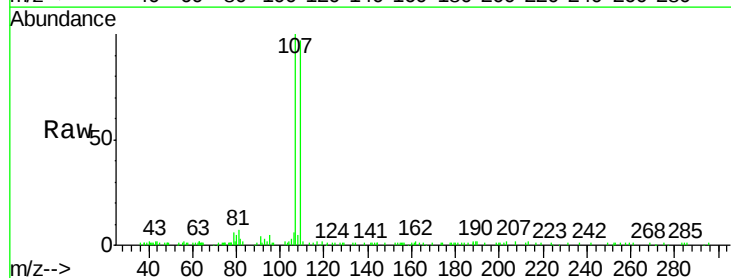
Acq: 10 May 2018 13:14

Tgt Ion:107 Resp: 53134

Ion Ratio Lower Upper

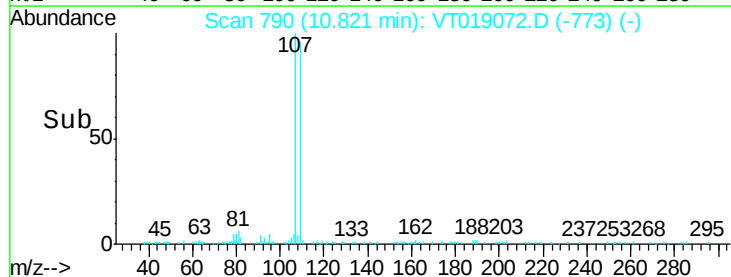
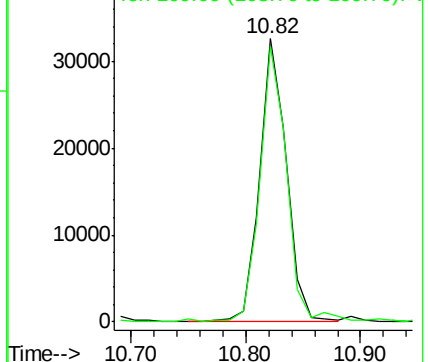
107 100

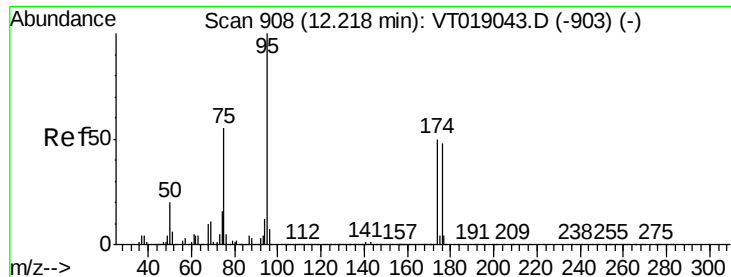
109 97.2 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#61

4-Bromofluorobenzene

Concen: 51.00 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

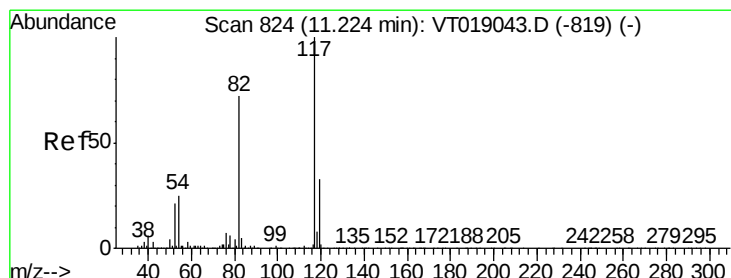
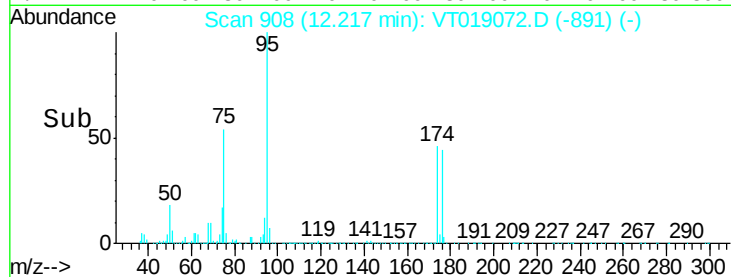
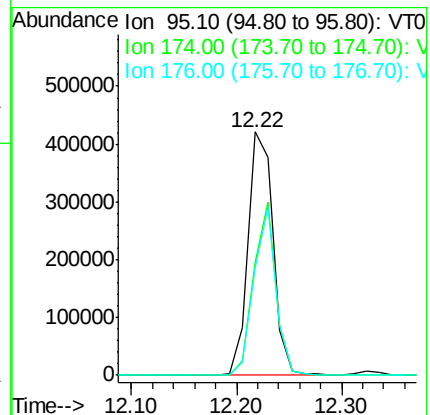
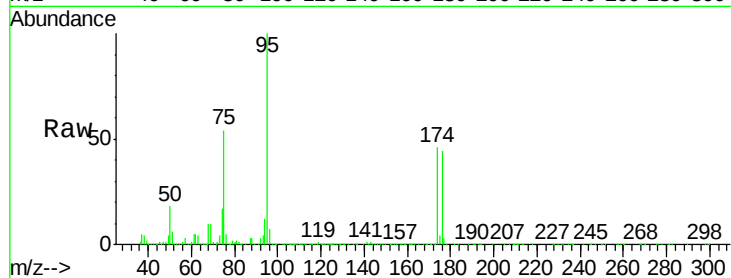
Tot Ion: 95 Resp: 692217

Ion Ratio Lower Upper

95 100

174 46.2 0.0 100.0

176 44.4 0.0 96.6



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

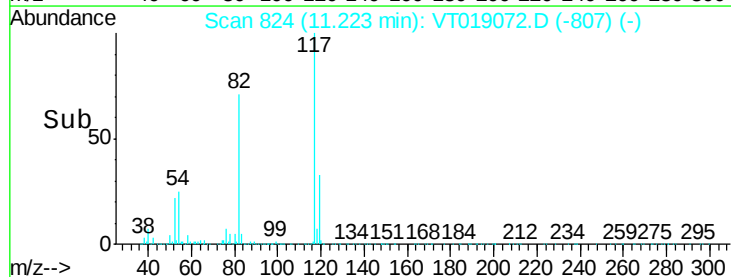
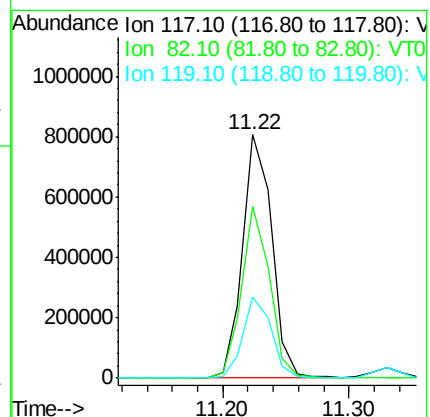
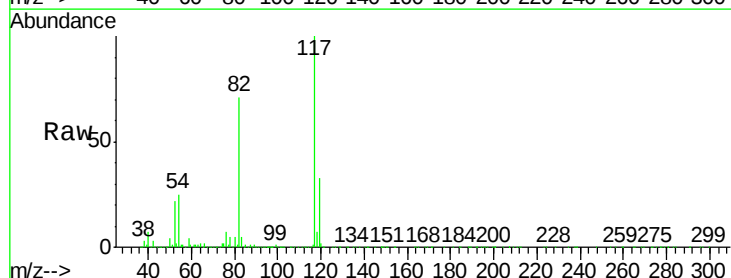
Tgt Ion: 117 Resp: 1302768

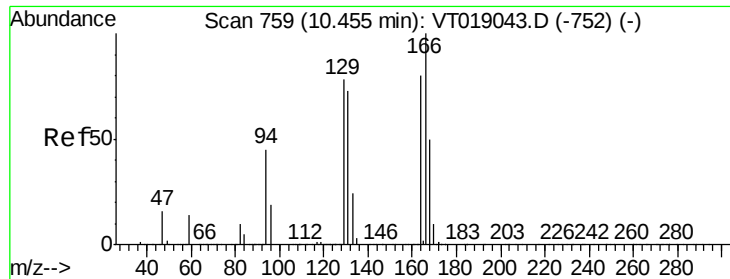
Ion Ratio Lower Upper

117 100

82 70.6 57.6 86.4

119 33.1 26.6 40.0

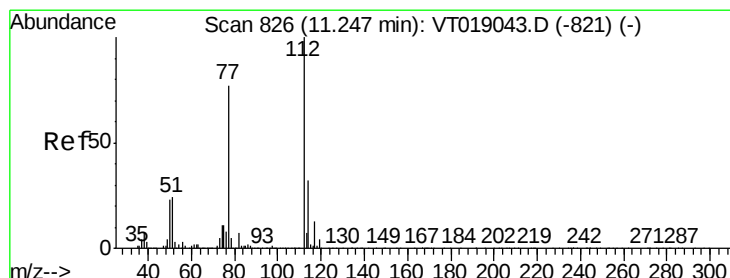
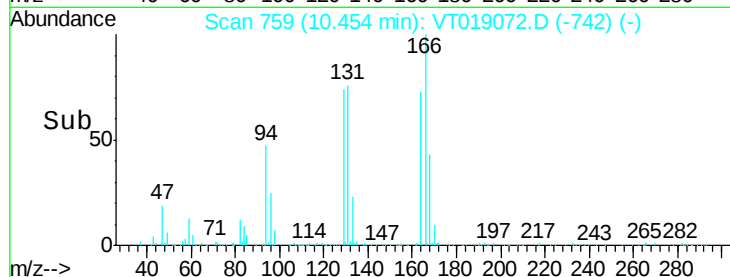
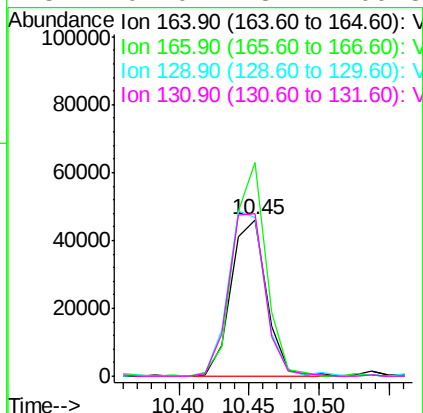
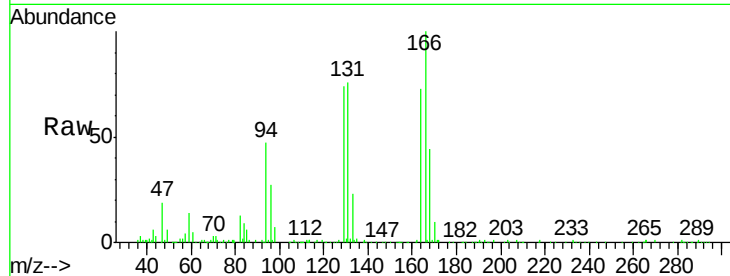




#63
Tetrachloroethene
Concen: 9.13 ug/l
RT: 10.45 min Scan# 759
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

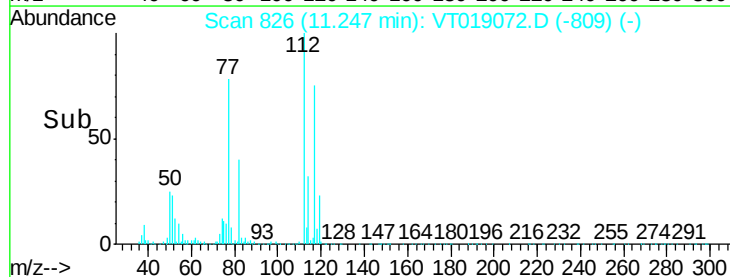
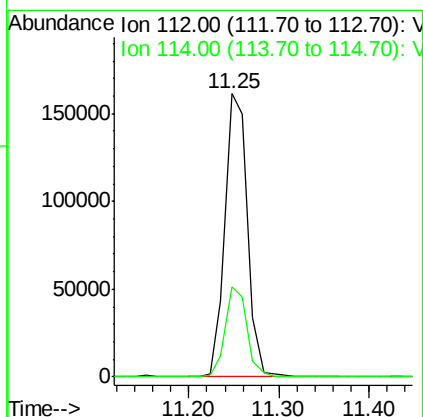
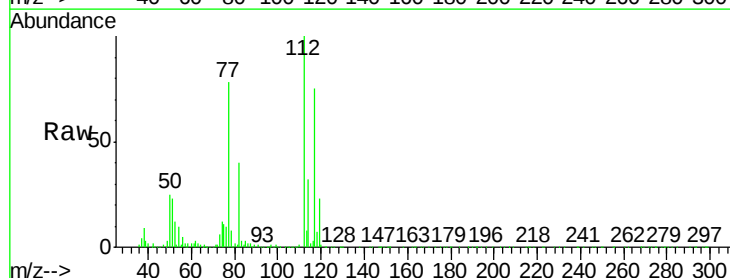
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

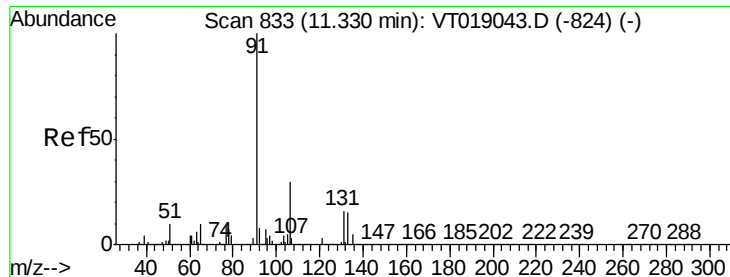
Tot Ion	Ratio	Lower	Upper
164	100		
166	138.1	100.6	151.0
129	101.3	78.1	117.1
131	104.0	73.2	109.8



#64
Chlorobenzene
Concen: 10.49 ug/l
RT: 11.25 min Scan# 826
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 9.41 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

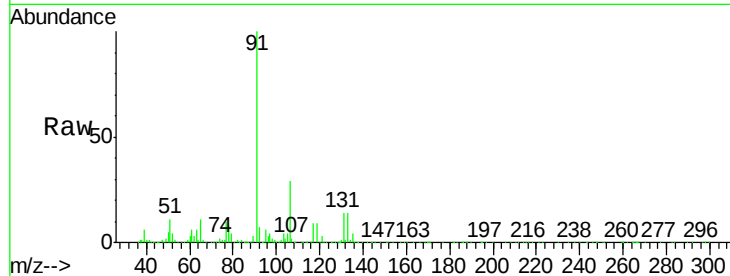
Tot Ion:131 Resp: 82414

Ion Ratio Lower Upper

131 100

133 98.1 47.8 143.3

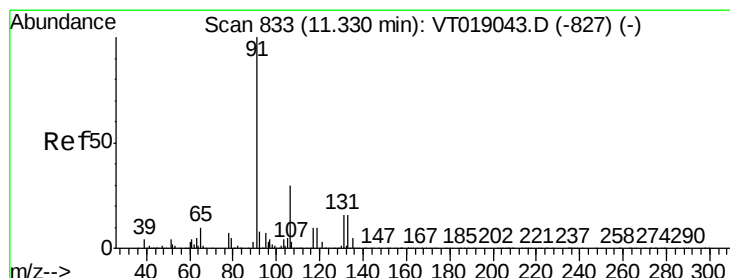
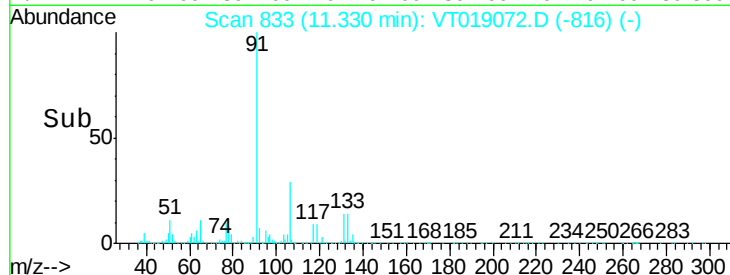
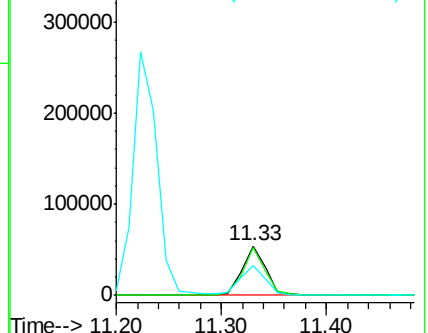
119 61.4 31.8 95.4



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.90 (118.60 to 119.60): V



#66

Ethyl Benzene

Concen: 10.78 ug/l

RT: 11.33 min Scan# 833

Delta R.T. -0.00 min

Lab File: VT019072.D

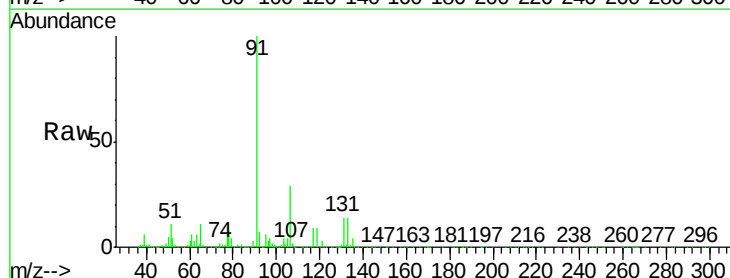
Acq: 10 May 2018 13:14

Tgt Ion: 91 Resp: 558045

Ion Ratio Lower Upper

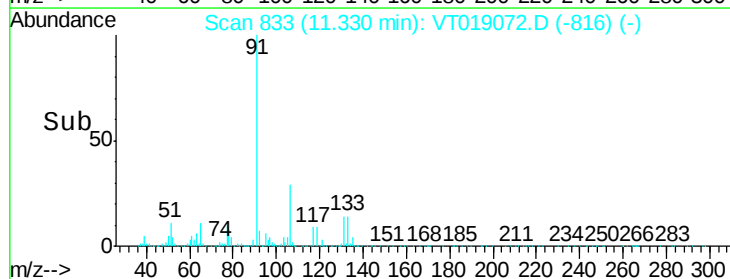
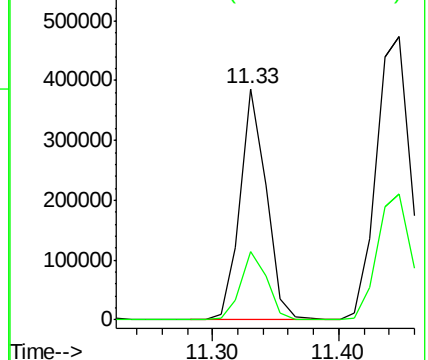
91 100

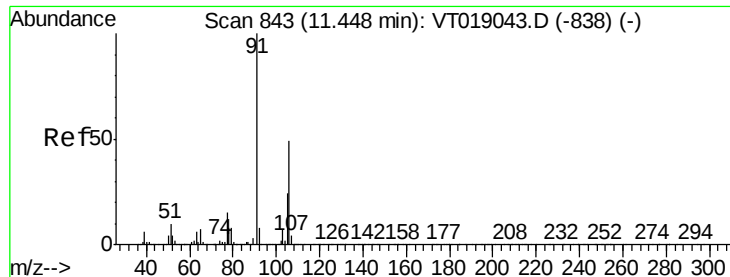
106 29.4 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VT0

Ion 106.10 (105.80 to 106.80): V

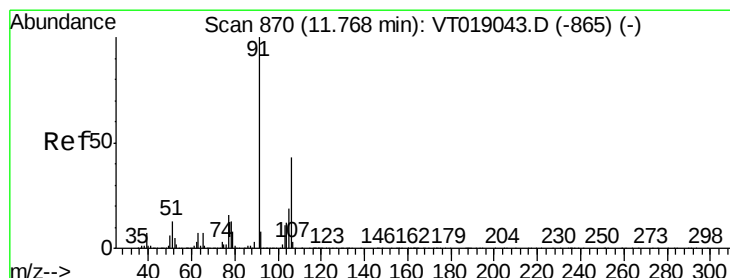
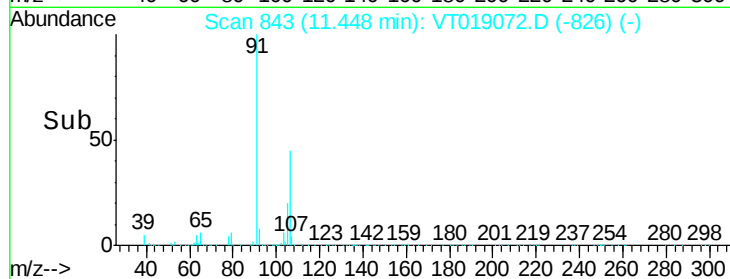
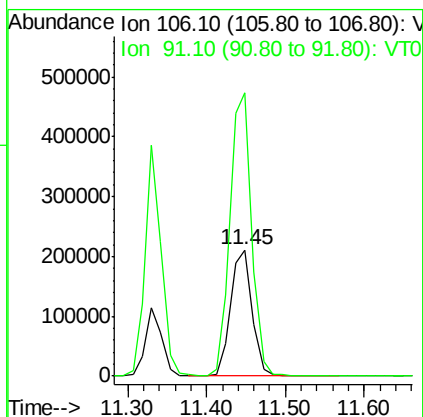
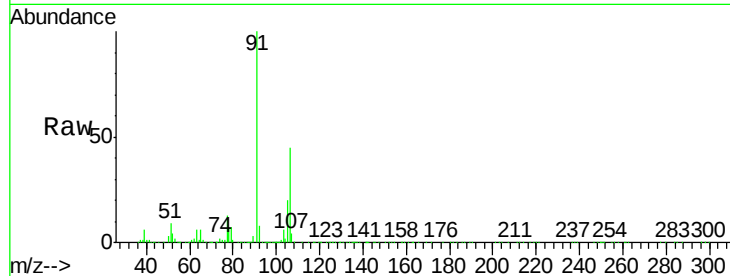




#67
m/p-Xylenes
Concen: 20.71 ug/l
RT: 11.45 min Scan# 843
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

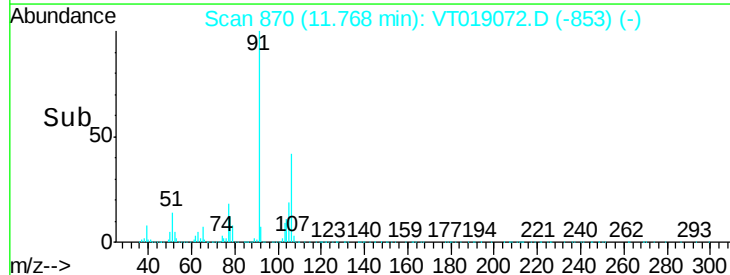
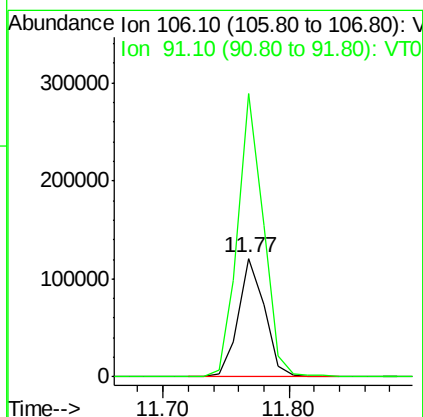
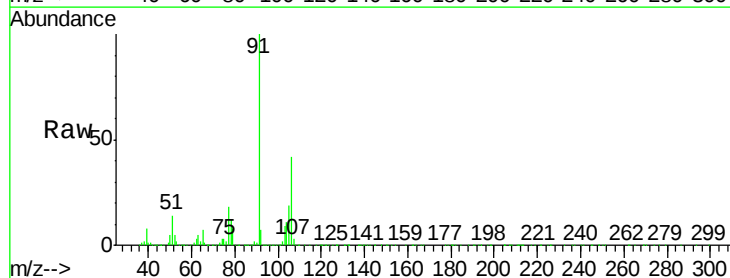
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

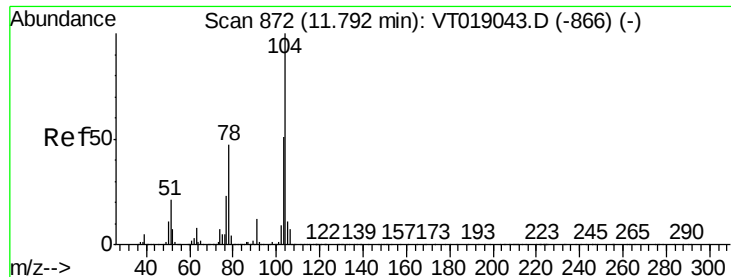
Tot Ion:106 Resp: 398451
Ion Ratio Lower Upper
106 100
91 224.3 162.2 243.4



#68
o-Xylene
Concen: 9.75 ug/l
RT: 11.77 min Scan# 870
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion:106 Resp: 175987
Ion Ratio Lower Upper
106 100
91 238.3 116.0 348.0

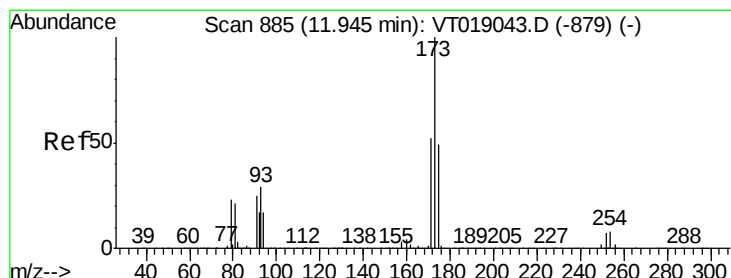
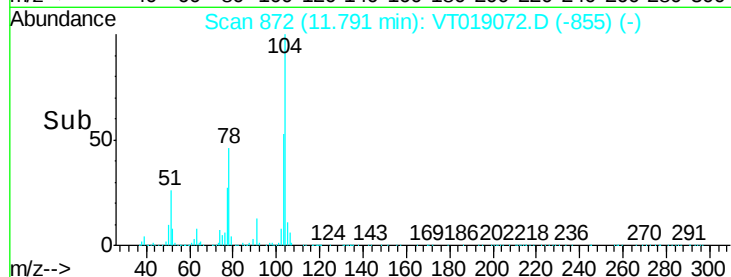
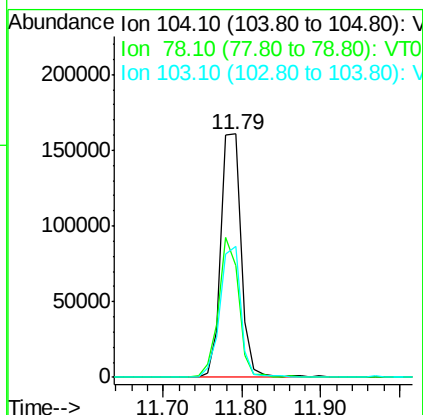
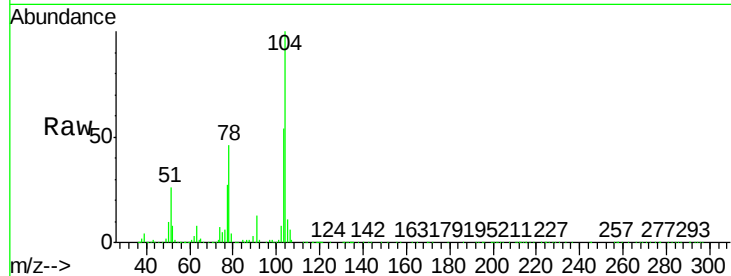




#69
Stvrene
Concen: 10.23 ug/l
RT: 11.79 min Scan# 872
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

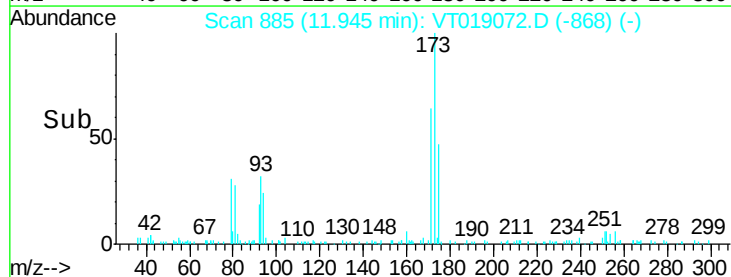
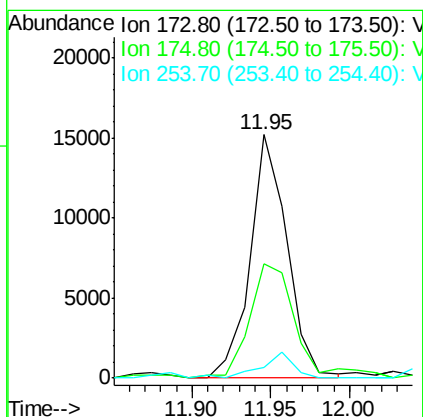
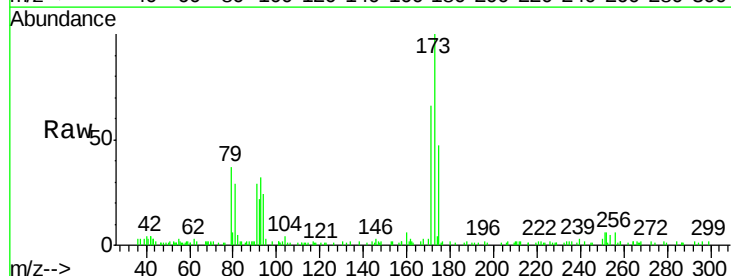
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

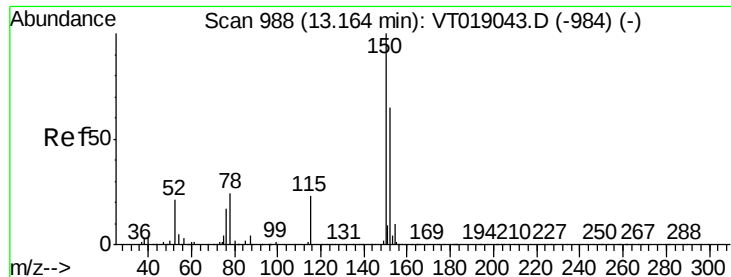
Tot Ion:104 Resp: 285998
Ion Ratio Lower Upper
104 100
78 45.7 38.0 57.0
103 53.8 40.6 61.0



#70
Bromoform
Concen: 7.46 ug/l
RT: 11.95 min Scan# 885
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion:173 Resp: 24817
Ion Ratio Lower Upper
173 100
175 47.2 24.6 73.8
254 4.6 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: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

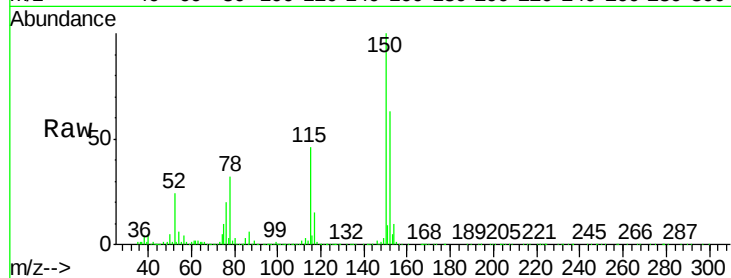
Tot Ion:152 Resp: 621435

Ion Ratio Lower Upper

152 100

115 71.8 34.2 102.6

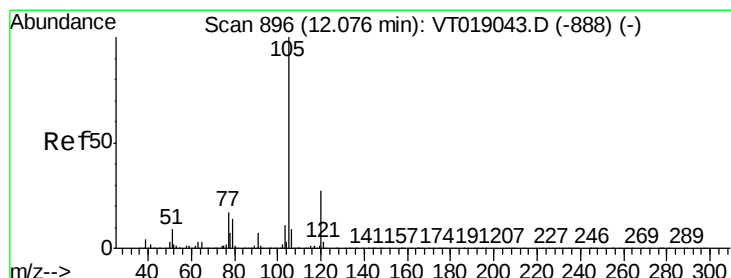
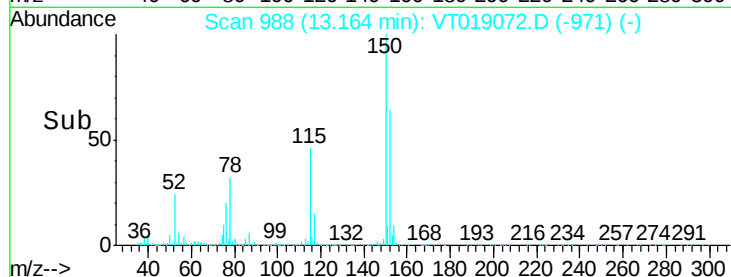
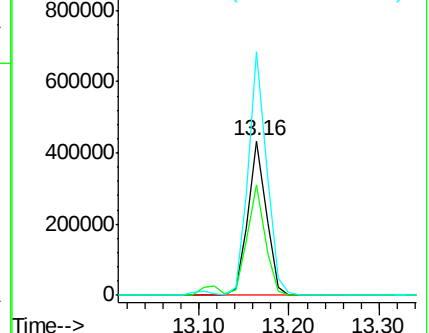
150 157.5 0.0 321.2



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: 10.57 ug/l

RT: 12.08 min Scan# 896

Delta R.T. -0.00 min

Lab File: VT019072.D

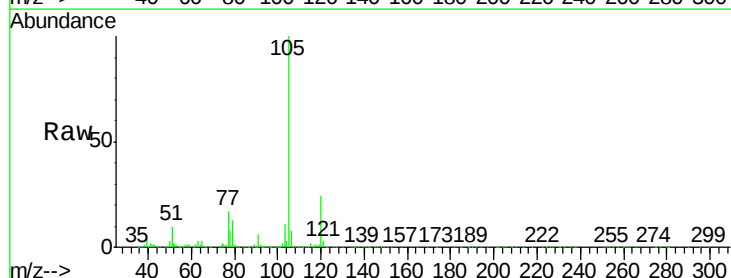
Acq: 10 May 2018 13:14

Tgt Ion:105 Resp: 530234

Ion Ratio Lower Upper

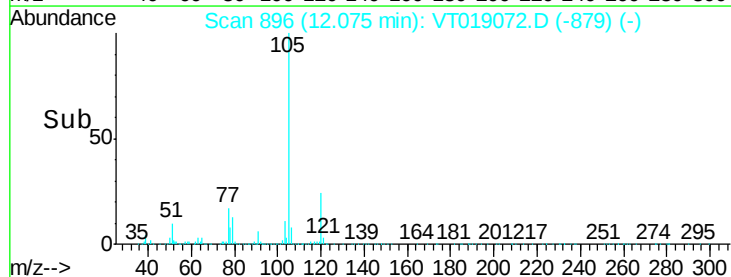
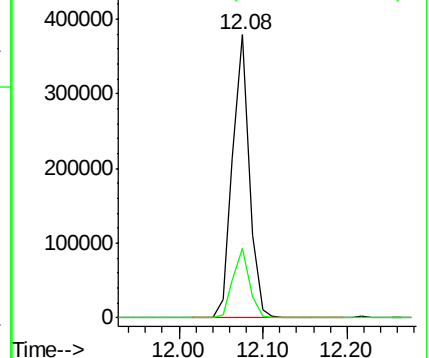
105 100

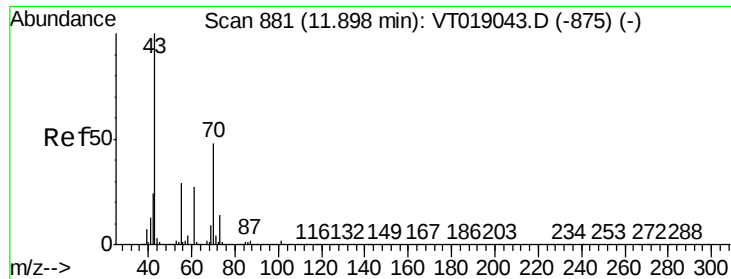
120 24.4 13.6 40.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.10 (119.80 to 120.80): V

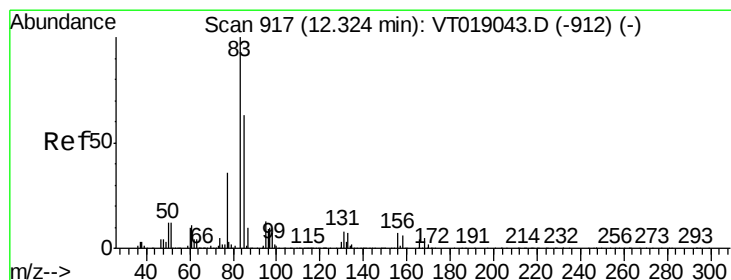
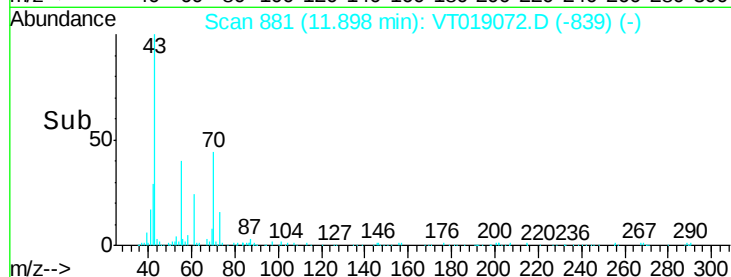
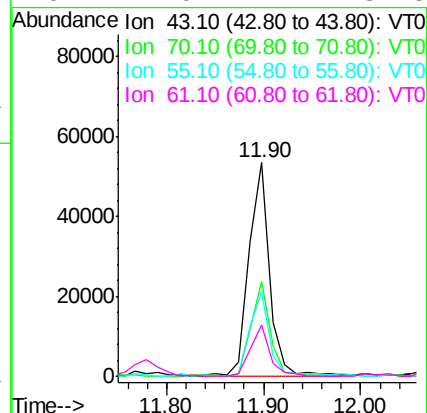
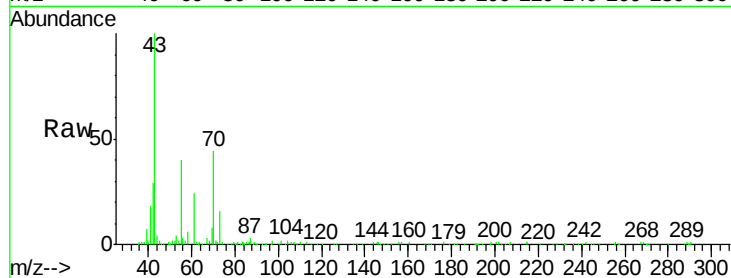




#73
N-amvl acetate
Concen: 9.60 ug/l
RT: 11.90 min Scan# 881
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

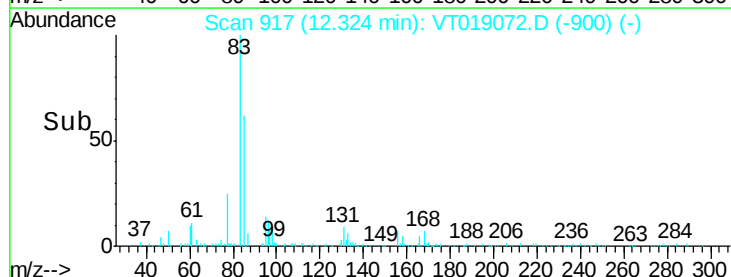
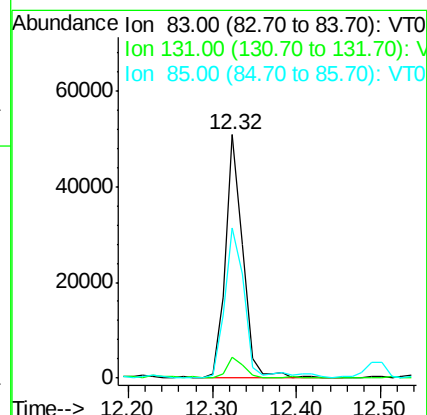
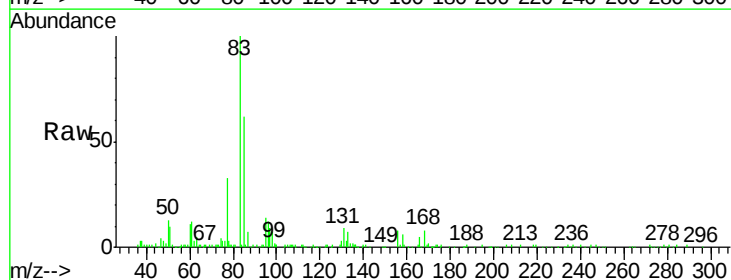
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

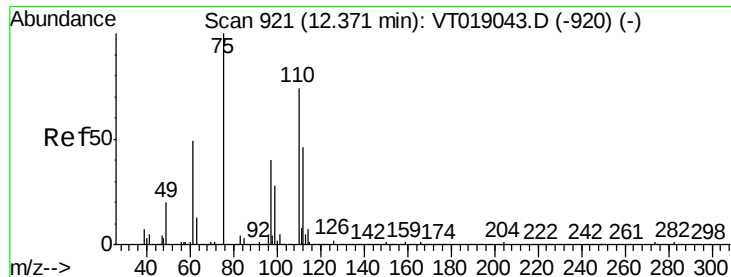
Tot Ion:	43	Resp:	79403
Ion	Ratio	Lower	Upper
43	100		
70	44.1	38.2	57.4
55	39.5	23.5	35.3#
61	24.0	21.7	32.5



#74
1,1,2,2-Tetrachloroethane
Concen: 10.04 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion:	83	Resp:	74142
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.0	12.2
85	61.8	31.4	94.3





#75

1,2,3-Trichloropropane

Concen: 10.61 ug/l m

RT: 12.37 min Scan# 921

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

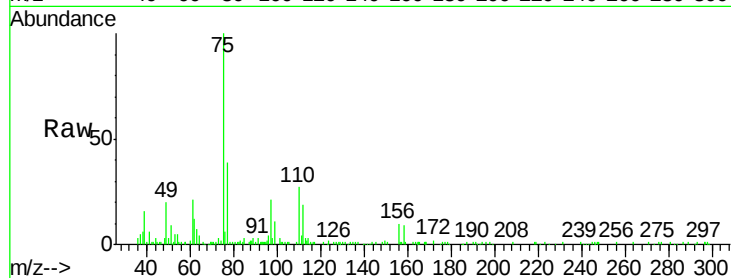
LOQ-SOIL-02-QT2-2018

Tot Ion: 75 Resp: 56062

Ion Ratio Lower Upper

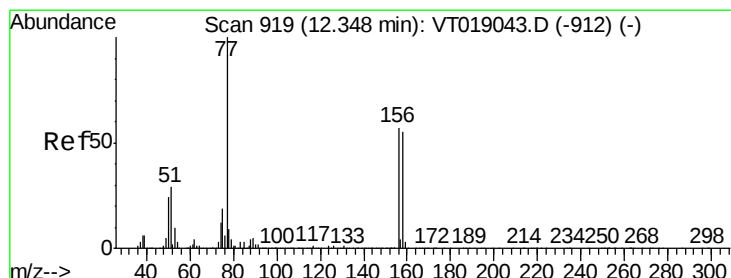
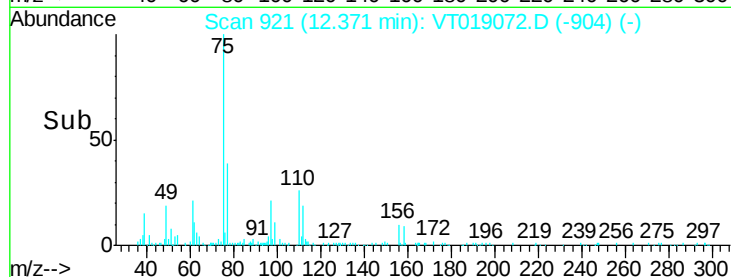
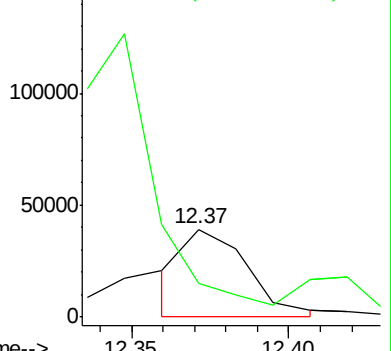
75 100

77 38.6 21.1 63.1



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 77.10 (76.80 to 77.80): VT0



#76

Bromobenzene

Concen: 9.76 ug/l

RT: 12.35 min Scan# 919

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

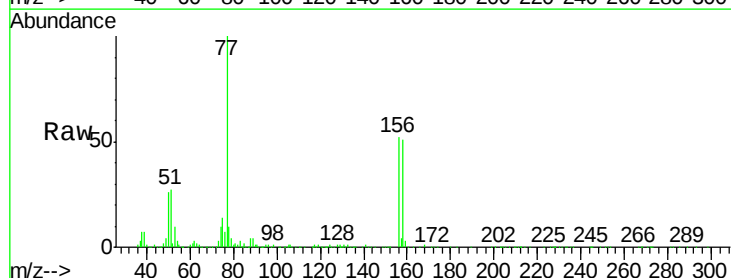
Tgt Ion: 156 Resp: 96931

Ion Ratio Lower Upper

156 100

77 190.8 87.8 263.4

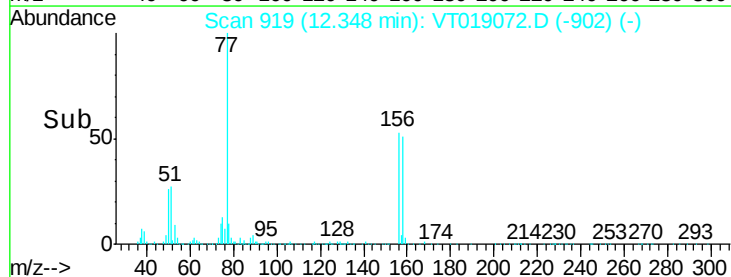
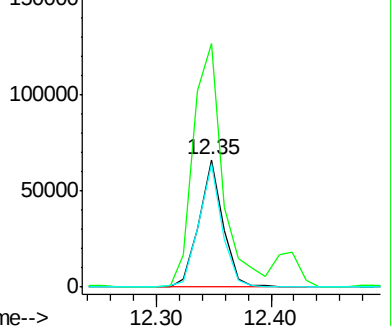
158 96.5 48.3 144.8

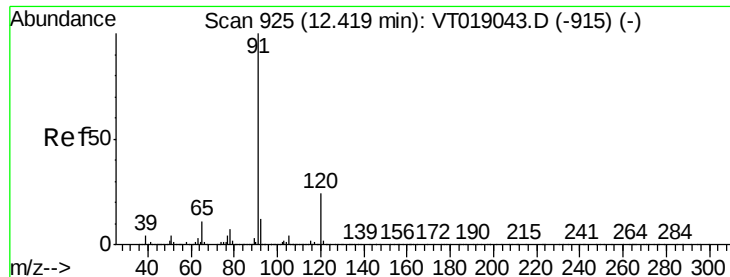


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.10 (76.80 to 77.80): VT0

Ion 158.00 (157.70 to 158.70): V





#77

n-propylbenzene

Concen: 10.26 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

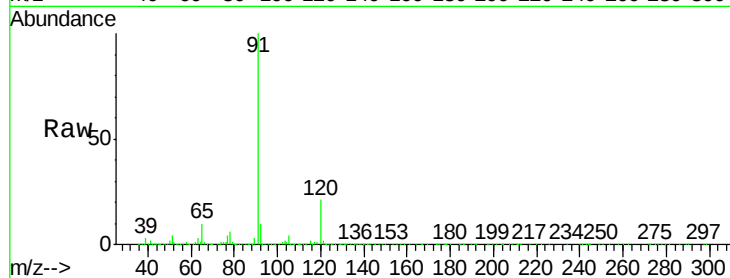
LOQ-SOIL-02-QT2-2018

Tot Ion: 91 Resp: 729785

Ion Ratio Lower Upper

91 100

120 21.5 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

500000

400000

300000

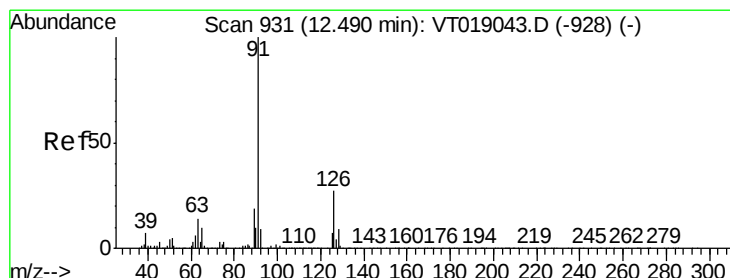
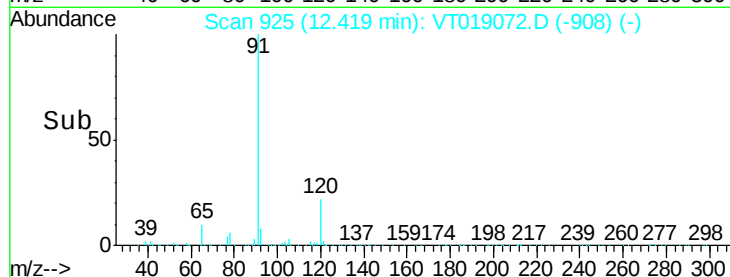
200000

100000

0

Time-->

12.30 12.40



#78

2-Chlorotoluene

Concen: 10.55 ug/l

RT: 12.49 min Scan# 931

Delta R.T. -0.00 min

Lab File: VT019072.D

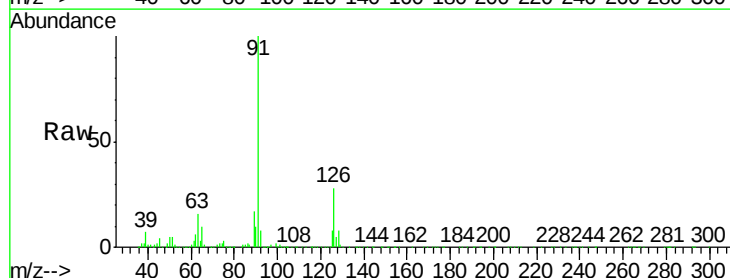
Acq: 10 May 2018 13:14

Tgt Ion: 91 Resp: 388559

Ion Ratio Lower Upper

91 100

126 28.3 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

500000

400000

300000

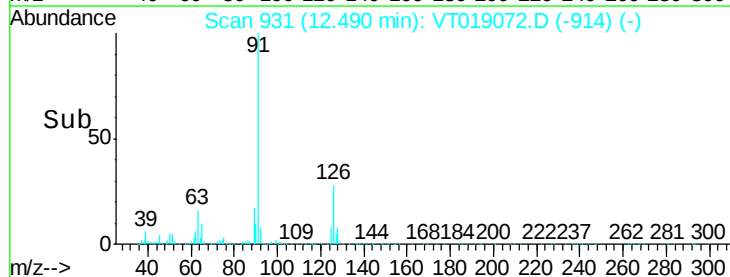
200000

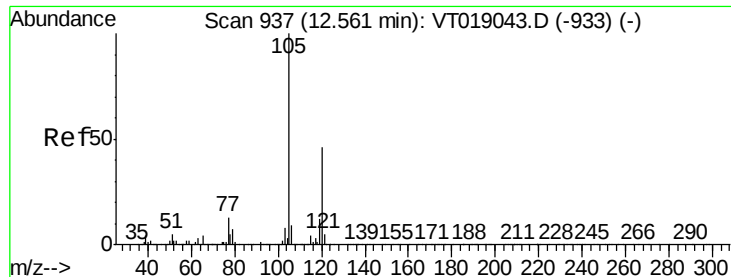
100000

0

Time-->

12.45 12.50

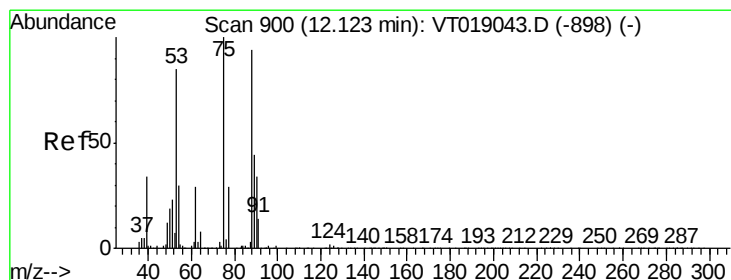
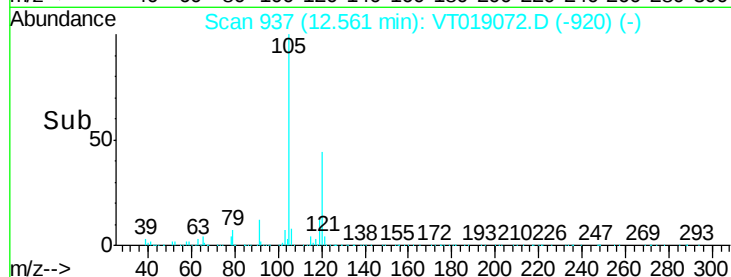
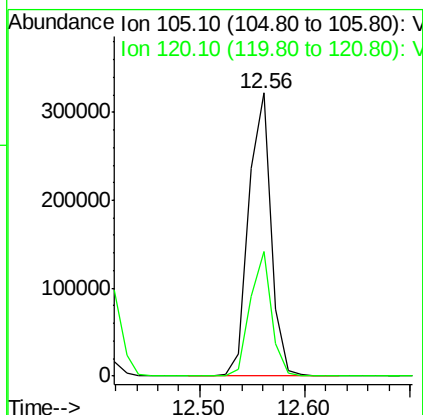
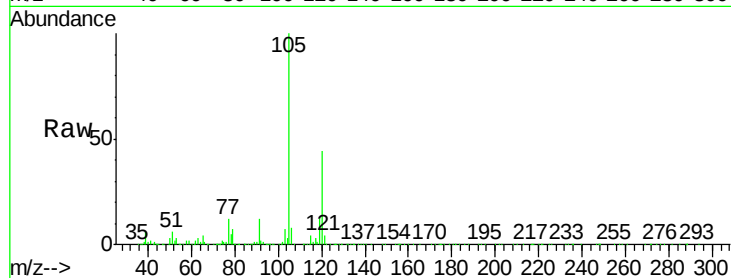




#79
 1,3,5-Trimethylbenzene
 Concen: 10.90 ug/l
 RT: 12.56 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

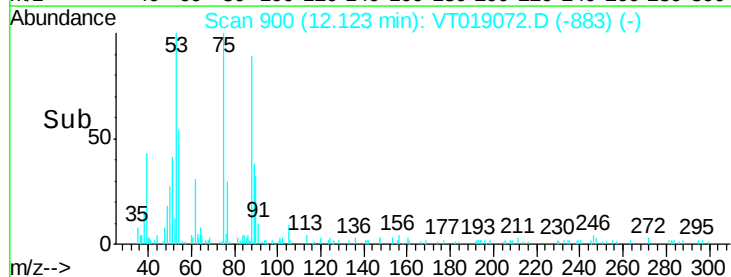
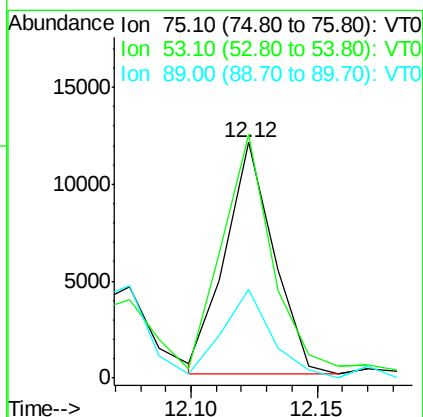
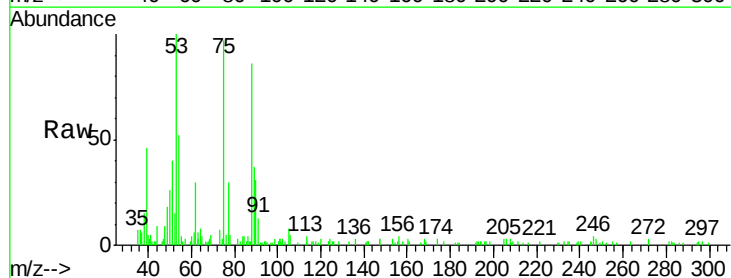
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

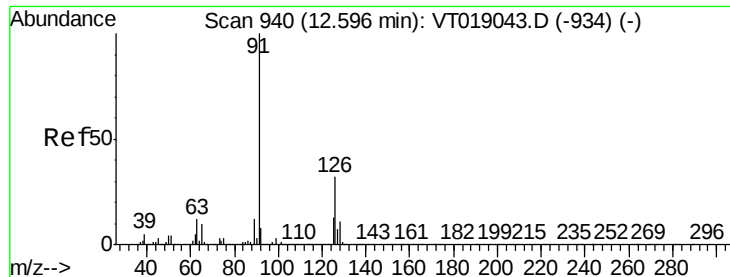
Tot Ion:105 Resp: 474869
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.2 69.5



#80
 trans-1,4-Dichloro-2-butene
 Concen: 8.02 ug/l
 RT: 12.12 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion: 75 Resp: 15949
 Ion Ratio Lower Upper
 75 100
 53 103.3 70.8 106.2
 89 37.9 35.8 53.8

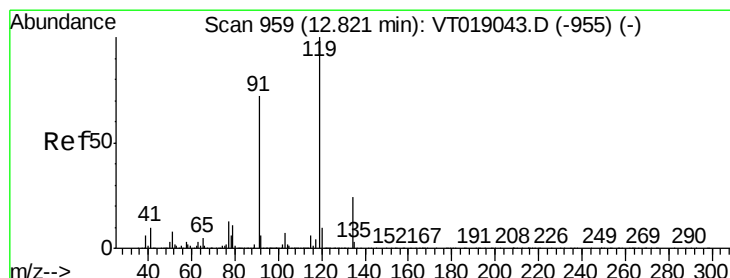
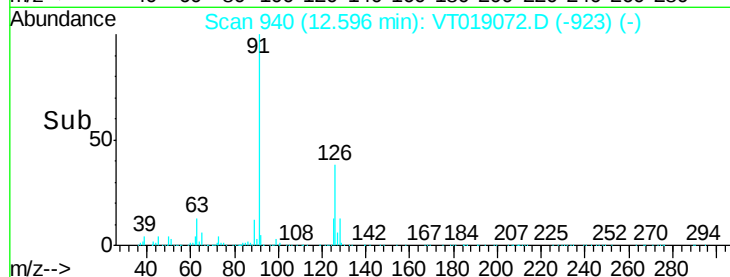
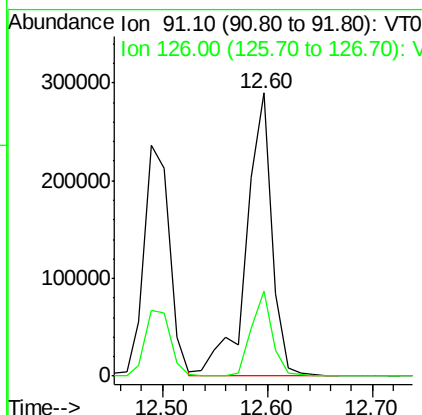
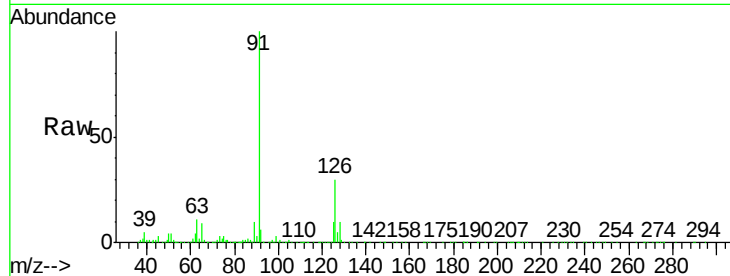




#81
4-Chlorotoluene
Concen: 10.94 ug/l
RT: 12.60 min Scan# 940
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

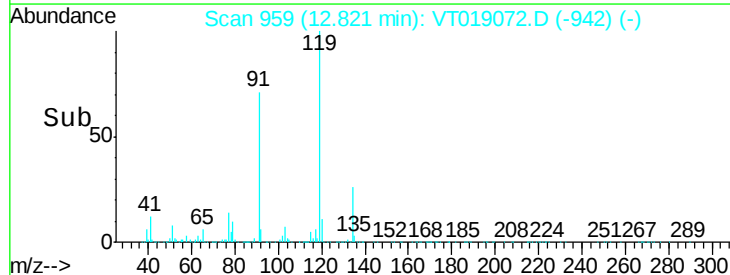
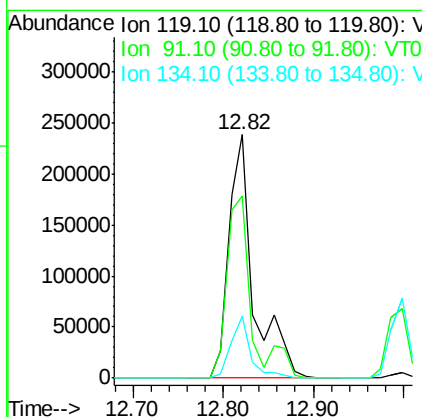
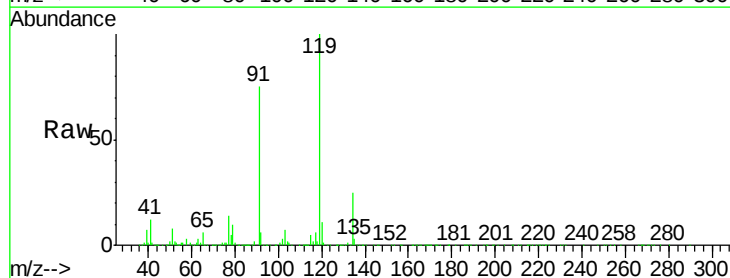
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

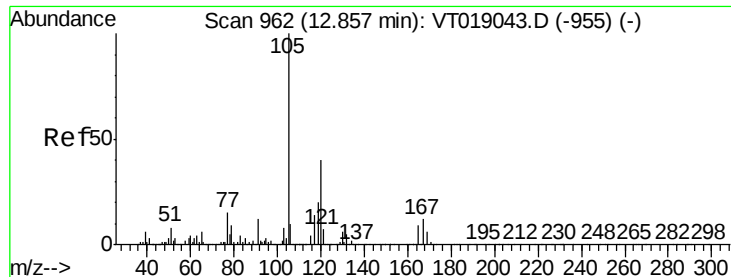
Tot Ion: 91 Resp: 489365
Ion Ratio Lower Upper
91 100
126 30.1 16.0 47.9



#82
tert-Butylbenzene
Concen: 12.16 ug/l
RT: 12.82 min Scan# 959
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion: 119 Resp: 461554
Ion Ratio Lower Upper
119 100
91 75.0 36.1 108.3
134 25.5 12.0 36.1





#83

1,2,4-Trimethylbenzene

Concen: 11.07 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

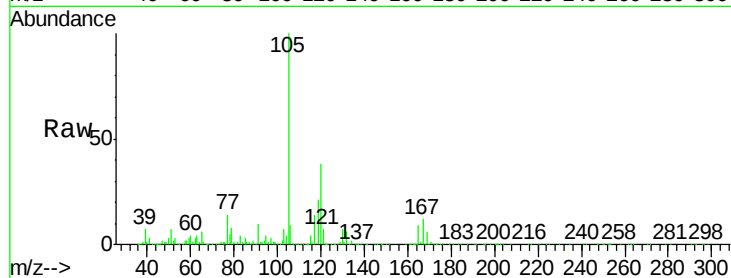
LOQ-SOIL-02-QT2-2018

Tot Ion:105 Resp: 489126

Ion Ratio Lower Upper

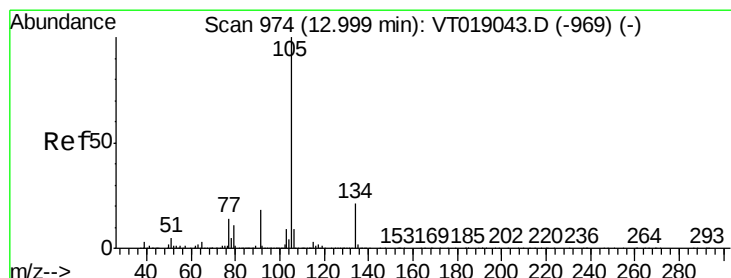
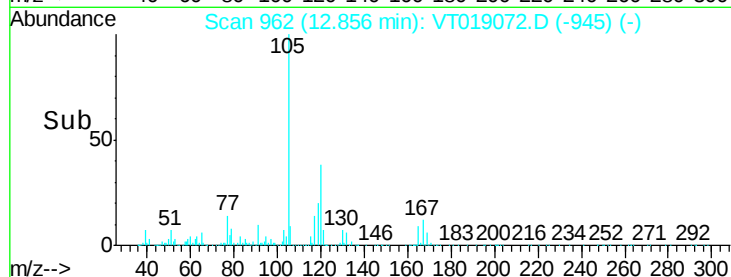
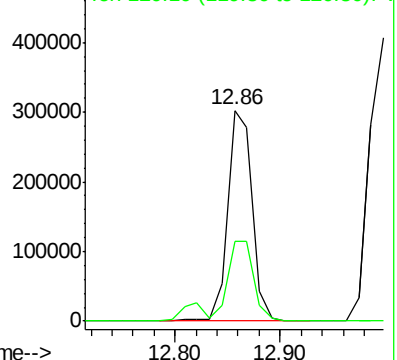
105 100

120 38.0 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: 10.94 ug/l

RT: 13.00 min Scan# 974

Delta R.T. -0.00 min

Lab File: VT019072.D

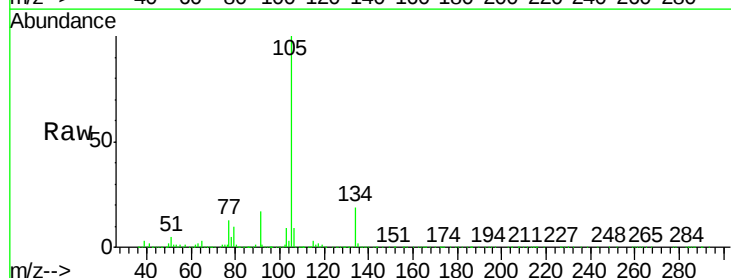
Acq: 10 May 2018 13:14

Tgt Ion:105 Resp: 584923

Ion Ratio Lower Upper

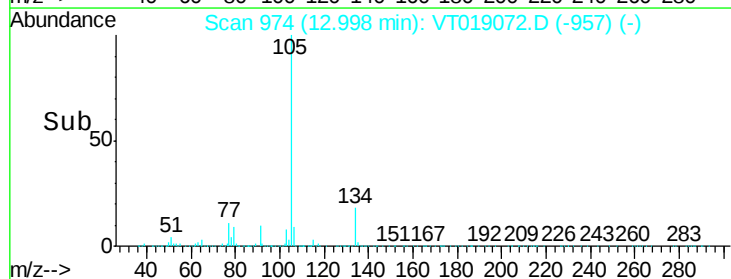
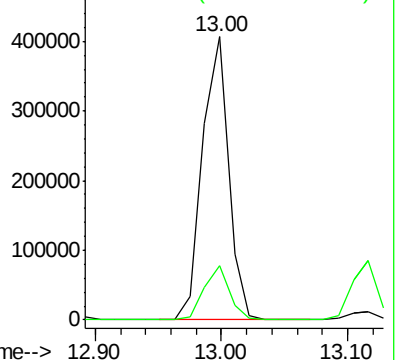
105 100

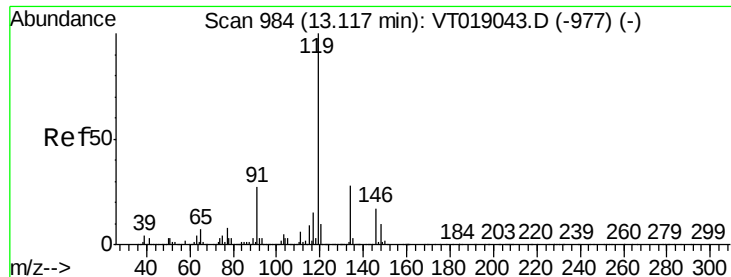
134 19.2 10.4 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.10 (133.80 to 134.80): V

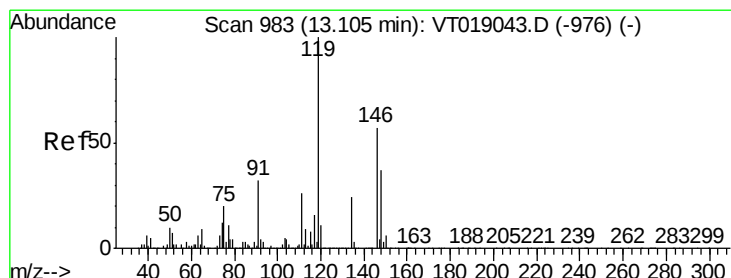
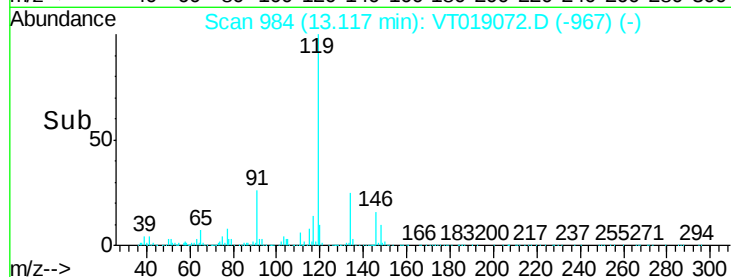
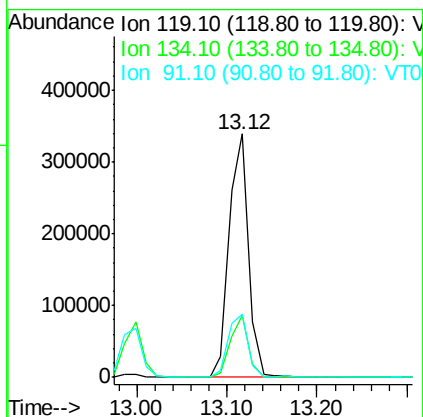
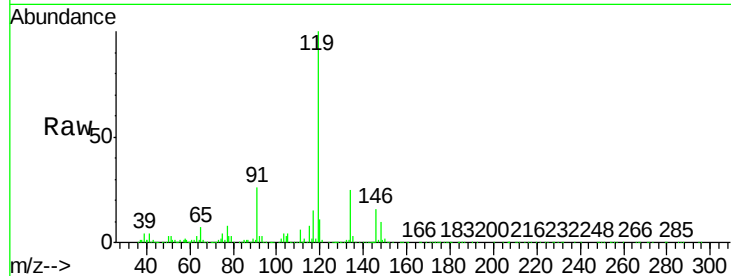




#85
p-Isopropyltoluene
Concen: 11.31 ug/l
RT: 13.12 min Scan# 984
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

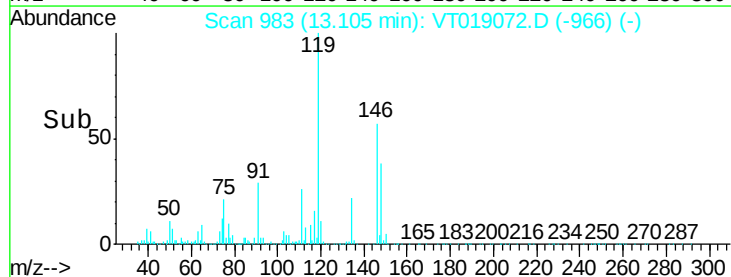
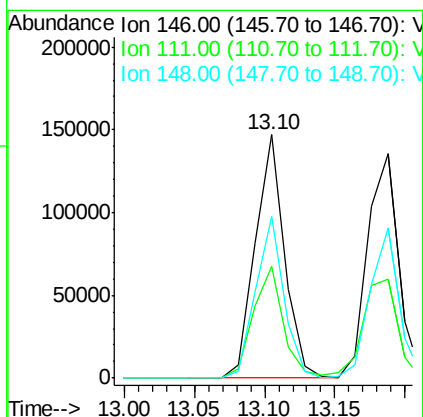
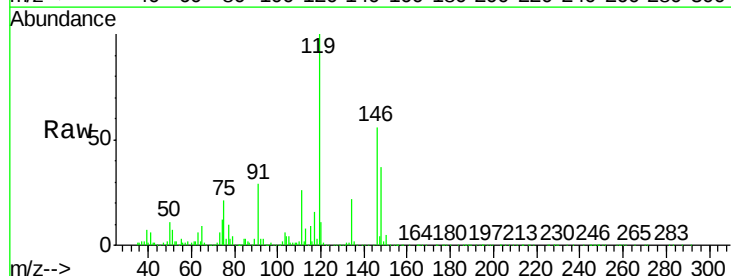
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

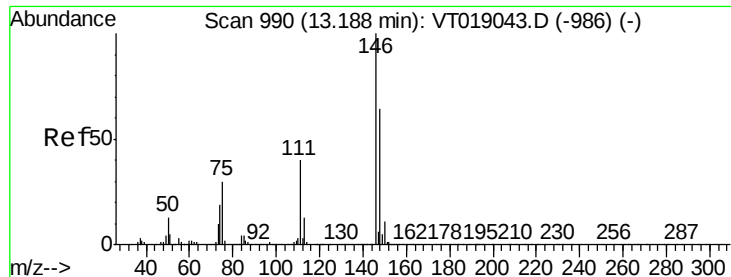
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	14.1	42.3
91	25.8	13.5	40.4



#86
1,3-Dichlorobenzene
Concen: 10.09 ug/l
RT: 13.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.1	69.2
148	66.2	32.5	97.5

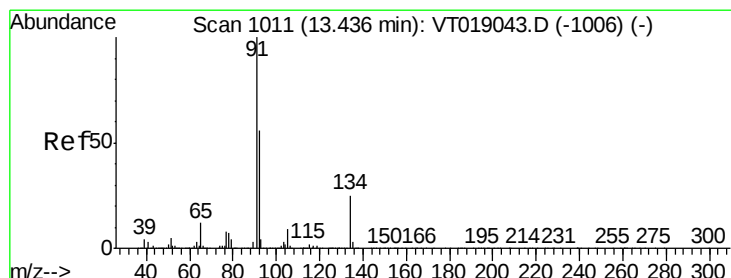
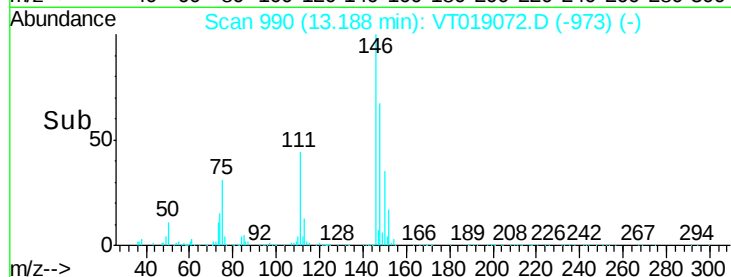
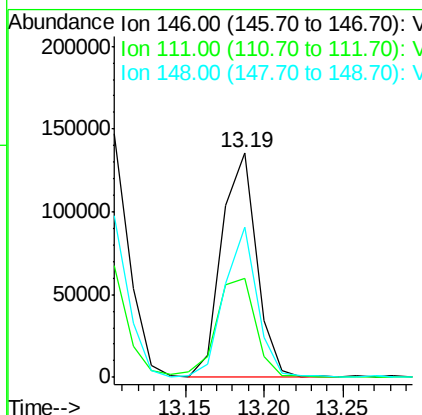
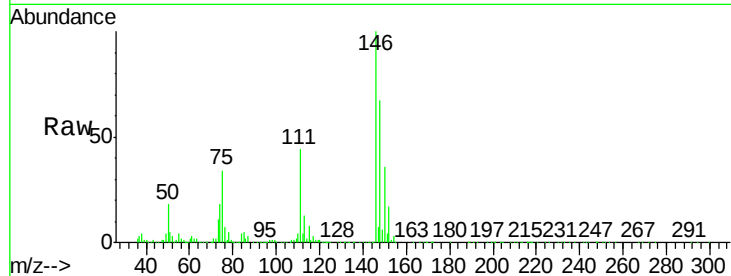




#87
 1,4-Dichlorobenzene
 Concen: 10.13 ug/l
 RT: 13.19 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

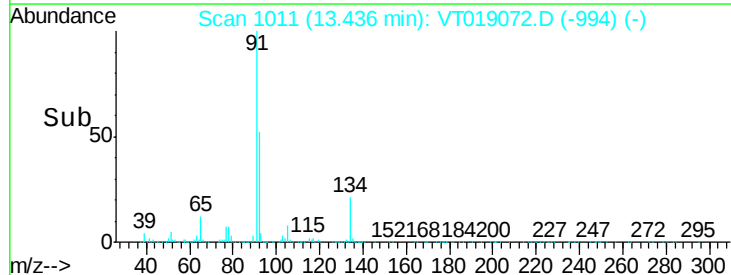
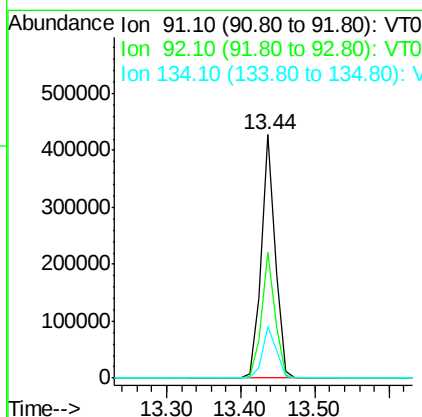
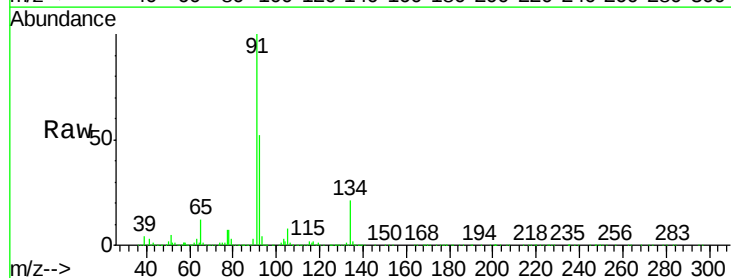
Instrument :
 MSVOA_T
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

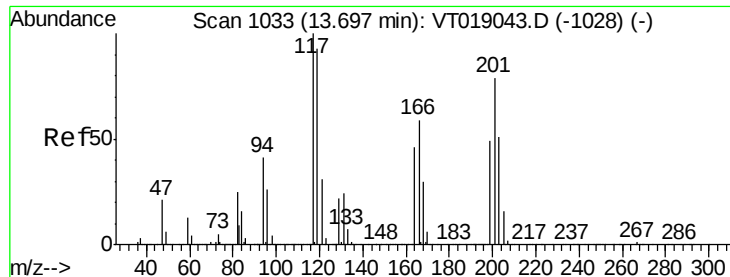
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.3	60.8
148	66.6	32.3	96.8



#88
 n-Butylbenzene
 Concen: 11.42 ug/l
 RT: 13.44 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	28.0	84.0
134	21.2	12.4	37.0





#89

Hexachloroethane

Concen: 9.26 ug/l

RT: 13.70 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

MSVOA_T

ClientSampleId :

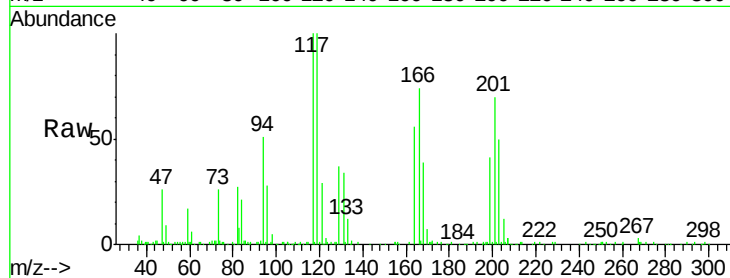
LOQ-SOIL-02-QT2-2018

Tot Ion:117 Resp: 72259

Ion Ratio Lower Upper

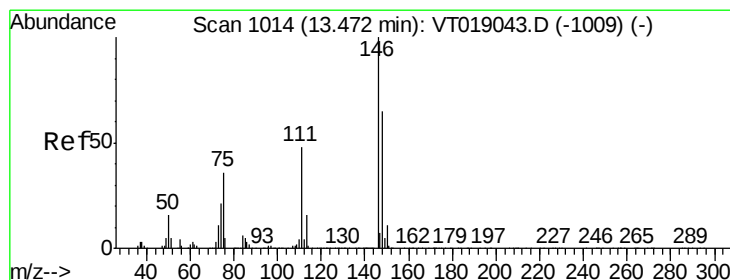
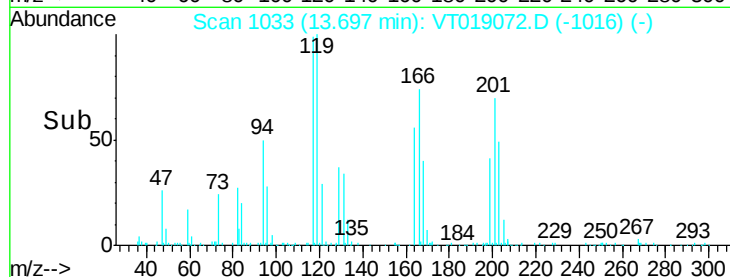
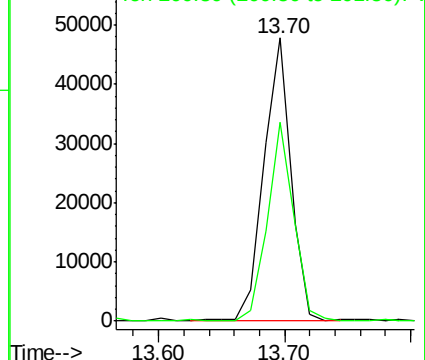
117 100

201 70.4 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: 10.58 ug/l

RT: 13.47 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

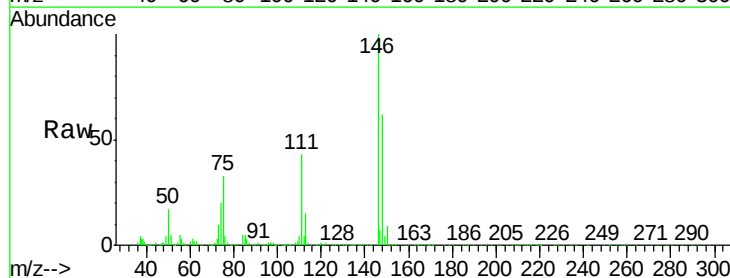
Tgt Ion:146 Resp: 185383

Ion Ratio Lower Upper

146 100

111 43.1 23.8 71.2

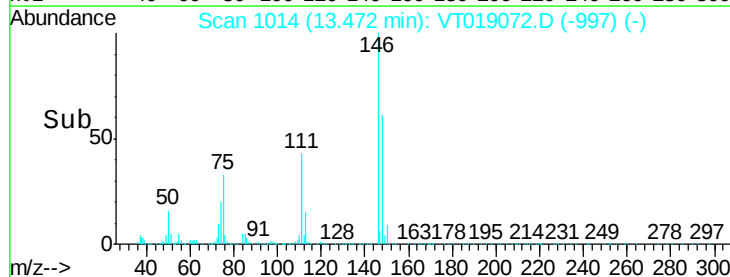
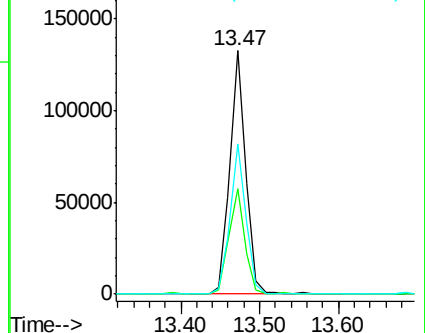
148 61.5 32.7 98.1

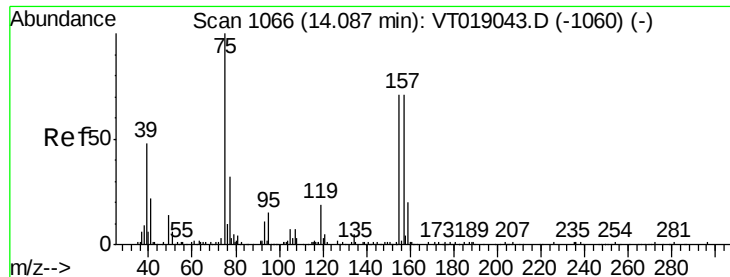


Abundance Ion 146.00 (145.70 to 146.70): V

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: 9.85 ug/l

RT: 14.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Instrument :

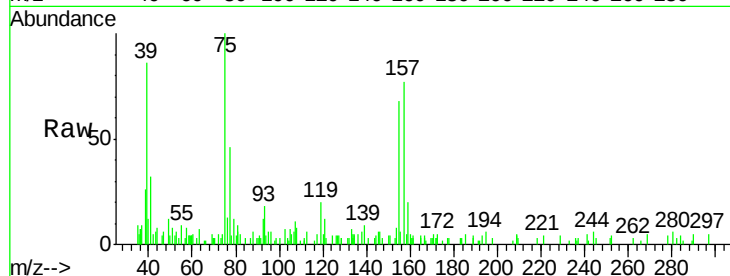
MSVOA_T

ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion: 75 Resp: 10480

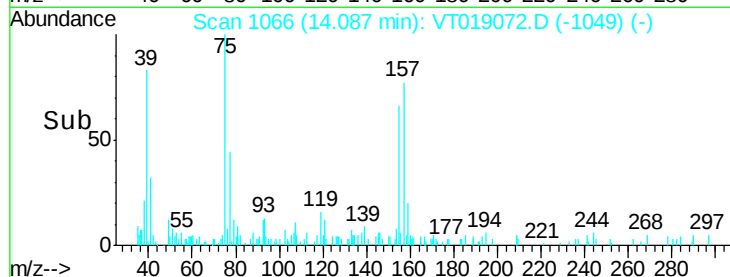
Ion	Ratio	Lower	Upper
75	100		
155	67.9	35.6	106.8
157	76.6	35.8	107.3



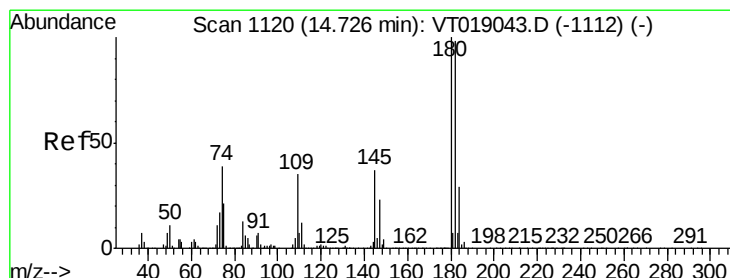
Abundance Ion 75.00 (74.70 to 75.70): VT0

Ion 154.90 (154.60 to 155.60): V

Ion 156.90 (156.60 to 157.60): V



Time-->



#92

1,2,4-Trichlorobenzene

Concen: 9.64 ug/l

RT: 14.73 min Scan# 1120

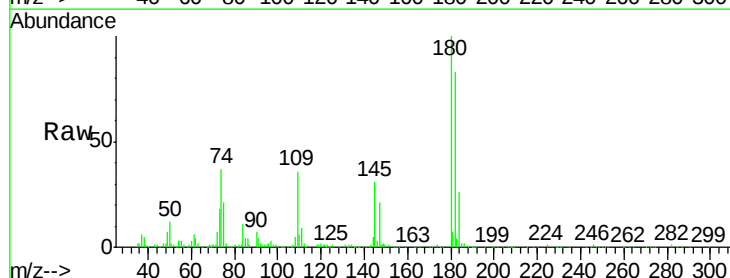
Delta R.T. -0.00 min

Lab File: VT019072.D

Acq: 10 May 2018 13:14

Tgt Ion: 180 Resp: 112916

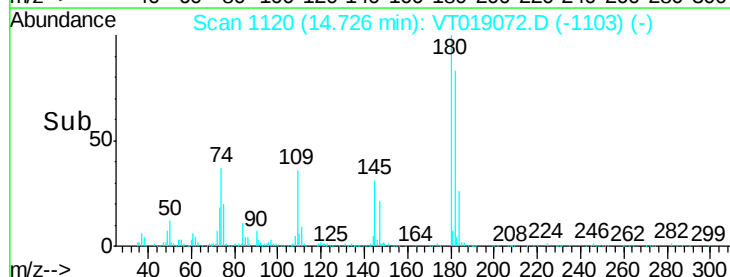
Ion	Ratio	Lower	Upper
180	100		
182	83.2	49.0	147.0
145	31.3	18.3	54.9



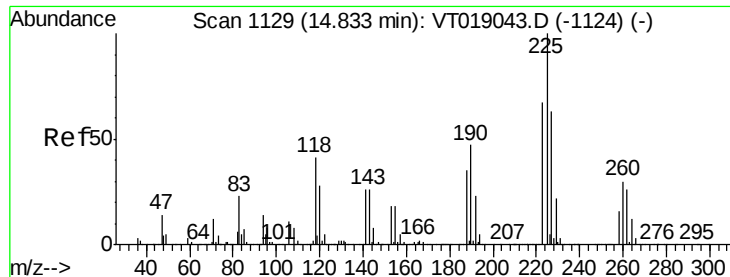
Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 145.00 (144.70 to 145.70): V



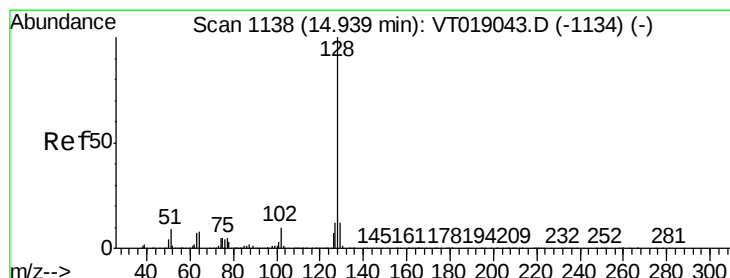
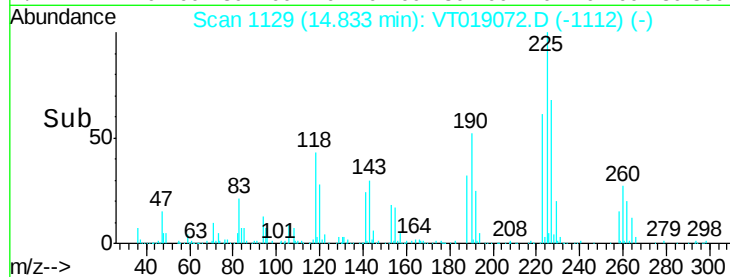
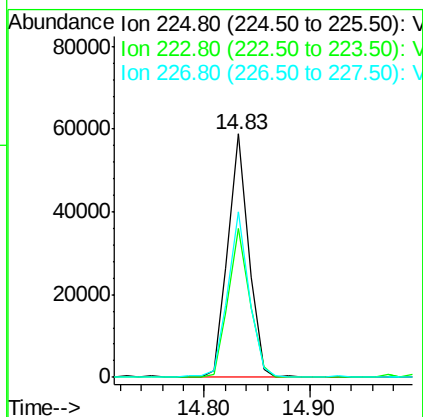
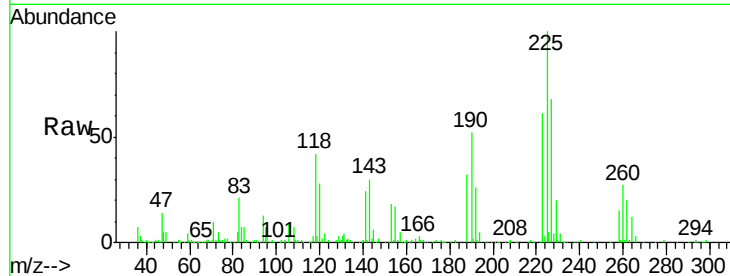
Time-->



#93
Hexachlorobutadiene
Concen: 9.44 ug/l
RT: 14.83 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

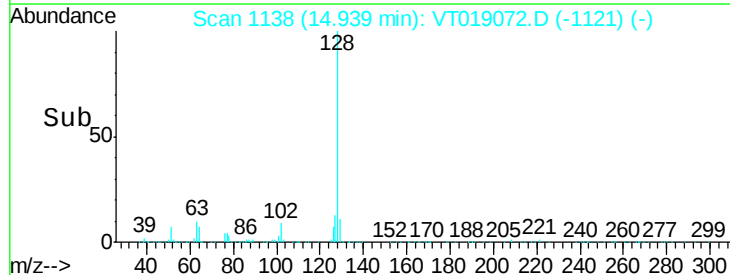
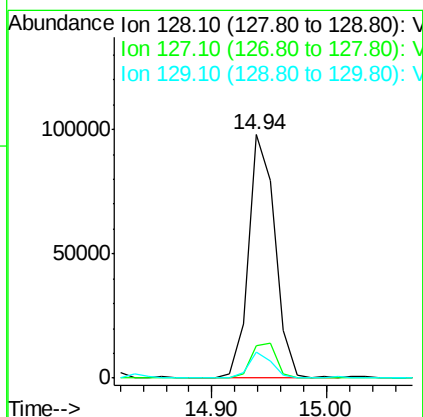
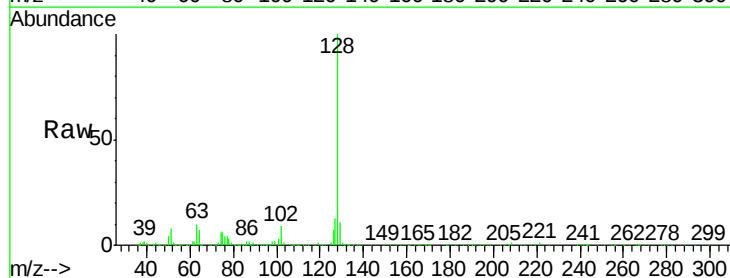
Instrument :
MSVOA_T
ClientSampleId :
LOQ-SOIL-02-QT2-2018

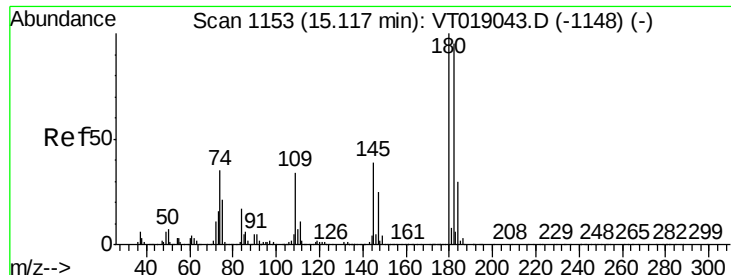
Tot Ion:225 Resp: 80743
Ion Ratio Lower Upper
225 100
223 60.9 33.5 100.4
227 68.2 31.7 95.1



#94
Naphthalene
Concen: 8.31 ug/l
RT: 14.94 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VT019072.D
Acq: 10 May 2018 13:14

Tgt Ion:128 Resp: 157191
Ion Ratio Lower Upper
128 100
127 13.3 9.9 14.9
129 10.9 9.3 13.9

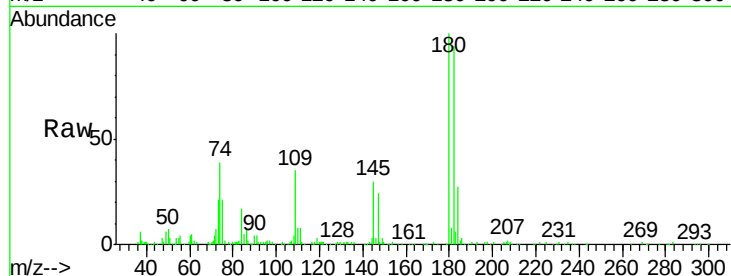




#95
 1,2,3-Trichlorobenzene
 Concen: 9.37 ug/l
 RT: 15.12 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VT019072.D
 Acq: 10 May 2018 13:14

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.7	143.1
145	30.2	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

