

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010020.D
 Acq On : 17 Apr 2019 17:07
 Operator : SY/VA
 Sample : K2241-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Apr 18 02:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	370541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	607382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	547353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	279230	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	231349	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.88	113	181812	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.32	98	719602	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.62	95	255963	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	25713	9.101 ug/l	90
3) Chloromethane	2.21	50	25056	8.868 ug/l	97
4) Vinyl Chloride	2.36	62	30229	9.204 ug/l	89
5) Bromomethane	2.78	94	20768	9.410 ug/l	98
6) Chloroethane	2.93	64	19875	9.262 ug/l	100
7) Trichlorofluoromethane	3.26	101	18802	8.280 ug/l	94
8) Diethyl Ether	3.67	74	17449	9.238 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	36827	9.638 ug/l	99
10) Methyl Iodide	4.27	142	47170	8.933 ug/l	99
11) Tert butyl alcohol	5.20	59	13033	50.038 ug/l #	71
12) 1,1-Dichloroethene	4.04	96	34461	9.408 ug/l	94
13) Acrolein	3.89	56	12567	45.862 ug/l	96
14) Allyl chloride	4.66	41	56312	8.647 ug/l	97
15) Acrylonitrile	5.36	53	45484	46.792 ug/l	97
16) Acetone	4.12	43	53387	50.320 ug/l	100
17) Carbon Disulfide	4.38	76	87724	9.076 ug/l	98
18) Methyl Acetate	4.67	43	22747	9.264 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	46443	9.761 ug/l	95
20) Methylene Chloride	4.92	84	53212	9.404 ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	35694	8.998 ug/l	90
22) Diisopropyl ether	6.31	45	121073	9.165 ug/l	98
23) Vinyl Acetate	6.25	43	382568	46.004 ug/l	98
24) 1,1-Dichloroethane	6.21	63	74017	9.373 ug/l	97
25) 2-Butanone	7.17	43	68959	49.480 ug/l	95
26) 2,2-Dichloropropane	7.17	77	41325	9.459 ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	38993	8.938 ug/l	99
28) Bromochloromethane	7.51	49	31964	9.904 ug/l	94
29) Tetrahydrofuran	7.53	42	42054	47.622 ug/l	97
30) Chloroform	7.67	83	72775	9.197 ug/l	98
31) Cyclohexane	7.95	56	71503	9.669 ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	57019	9.179 ug/l	98
36) 1,1-Dichloropropene	8.08	75	56312	9.076 ug/l	100
37) Ethyl Acetate	7.26	43	31082	9.859 ug/l	96
38) Carbon Tetrachloride	8.06	117	54823	9.054 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60016	8.956	ug/l	92
40) Benzene	8.32	78	154095	9.084	ug/l	99
41) Methacrylonitrile	7.48	41	17027	9.476	ug/l	93
42) 1,2-Dichloroethane	8.40	62	53820	9.232	ug/l	99
43) Isopropyl Acetate	8.42	43	57287	9.697	ug/l	98
44) Trichloroethene	9.09	130	38448	8.923	ug/l	92
45) 1,2-Dichloropropane	9.37	63	40702	9.128	ug/l	98
46) Dibromomethane	9.46	93	21777	9.423	ug/l	98
47) Bromodichloromethane	9.65	83	52830	8.855	ug/l	98
48) Methyl methacrylate	9.44	41	25188	8.759	ug/l	94
49) 1,4-Dioxane	9.45	88	6344	179.649	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	148333	47.938	ug/l	100
52) Toluene	10.38	92	97096	9.188	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53176	8.990	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	58547	8.668	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	29083	9.016	ug/l	95
56) Ethyl methacrylate	10.65	69	34717	9.983	ug/l	99
57) 1,3-Dichloropropane	10.93	76	52604	9.098	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	104171	54.045	ug/l	98
59) 2-Hexanone	10.97	43	103690	48.140	ug/l	98
60) Dibromochloromethane	11.13	129	32638	8.754	ug/l	100
61) 1,2-Dibromoethane	11.24	107	28314	9.227	ug/l	99
64) Tetrachloroethene	10.87	164	31528	8.873	ug/l	94
65) Chlorobenzene	11.66	112	104874	9.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36473	9.104	ug/l	96
67) Ethyl Benzene	11.73	91	176636	8.837	ug/l	99
68) m/p-Xylenes	11.84	106	133282	17.839	ug/l	100
69) o-Xylene	12.16	106	61700	9.069	ug/l	97
70) Styrene	12.18	104	98705	8.415	ug/l	98
71) Bromoform	12.35	173	19676	9.288	ug/l #	97
73) Isopropylbenzene	12.46	105	171173	8.808	ug/l	99
74) N-amyl acetate	12.27	43	47875	8.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	37831	9.853	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	48067	17.200	ug/l #	100
77) Bromobenzene	12.74	156	41542	9.295	ug/l	100
78) n-propylbenzene	12.80	91	219802	9.126	ug/l	100
79) 2-Chlorotoluene	12.89	91	127624	9.213	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	144571	8.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10231	8.632	ug/l	94
82) 4-Chlorotoluene	12.99	91	133694	9.170	ug/l	100
83) tert-Butylbenzene	13.21	119	122212	8.956	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	148524	8.890	ug/l	99
85) sec-Butylbenzene	13.38	105	185358	9.090	ug/l	100
86) p-Isopropyltoluene	13.50	119	158176	8.801	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86223	9.543	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	85431	9.473	ug/l	95
89) n-Butylbenzene	13.83	91	154997	8.705	ug/l	99
90) Hexachloroethane	14.10	117	30725	8.925	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	75401	9.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7027	10.227	ug/l	96

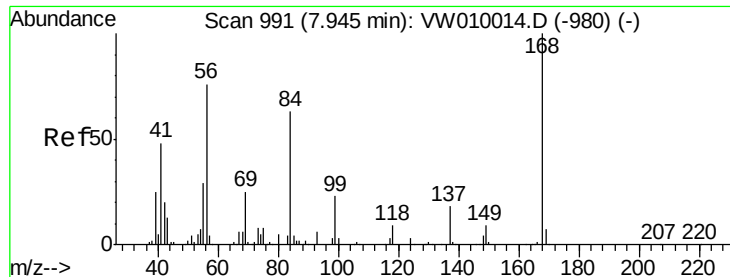
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	47968	8.975	ug/l	98
94) Hexachlorobutadiene	15.24	225	29661	9.139	ug/l	98
95) Naphthalene	15.37	128	84197	10.156	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	43094	9.294	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

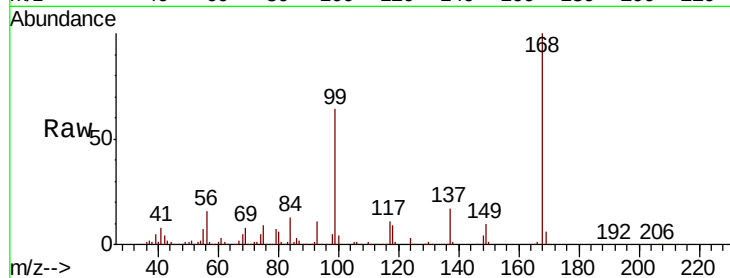
LOQ-SOIL-02-QT2-2019

Tgt Ion:168 Resp: 370541

Ion Ratio Lower Upper

168 100

99 63.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

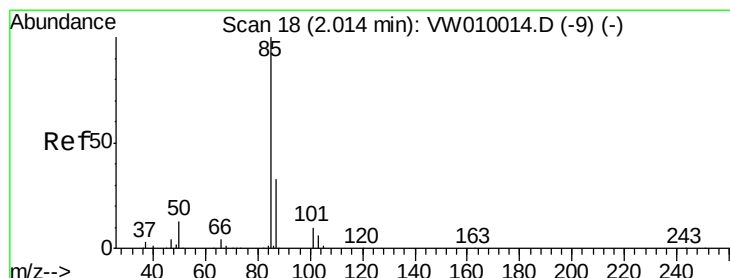
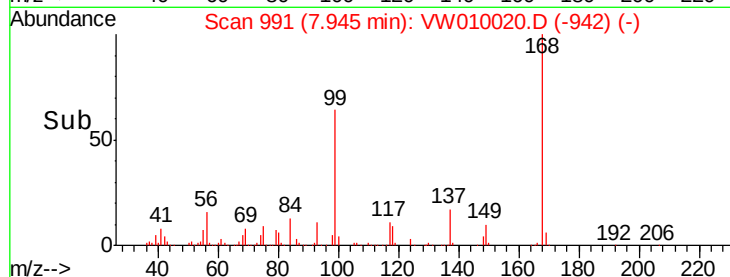
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 9.101 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010020.D

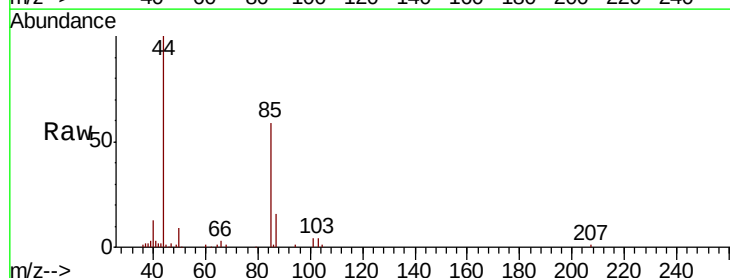
Acq: 17 Apr 2019 17:07

Tgt Ion: 85 Resp: 25713

Ion Ratio Lower Upper

85 100

87 27.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

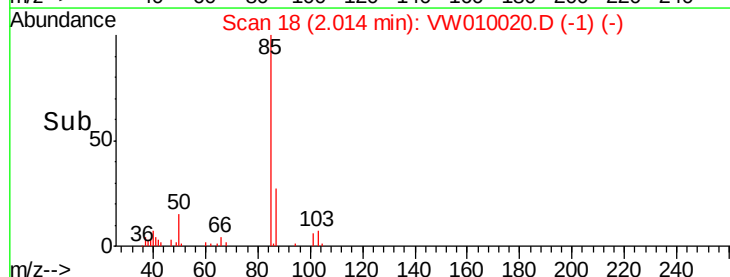
4000

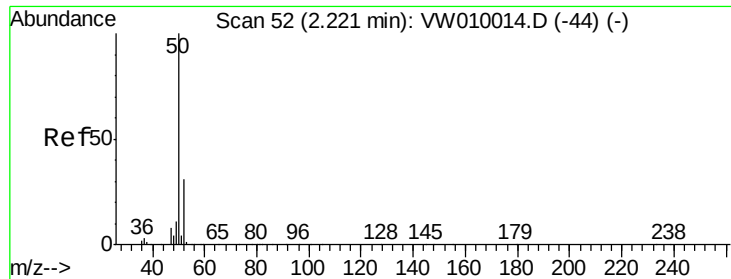
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 8.868 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

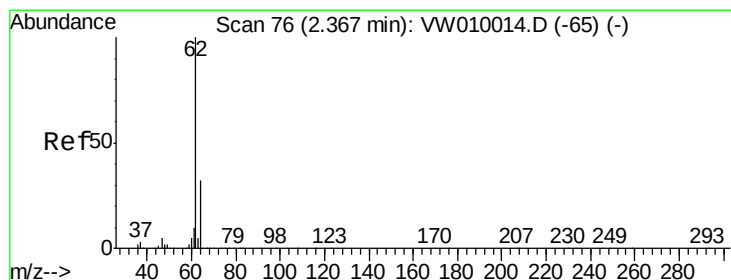
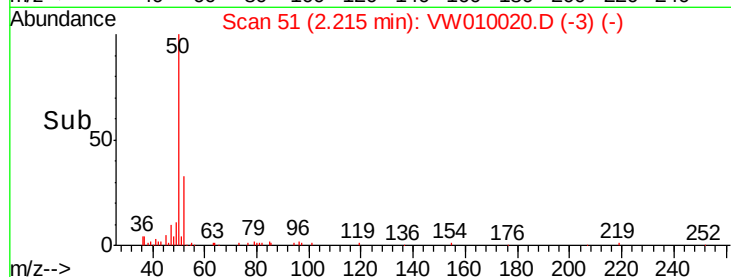
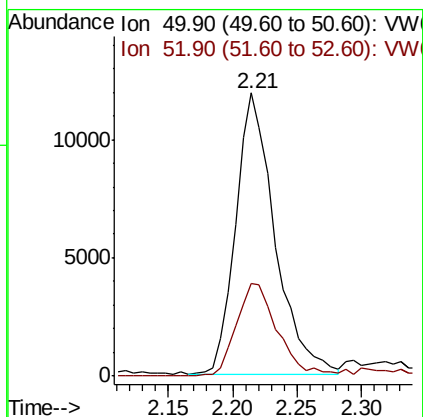
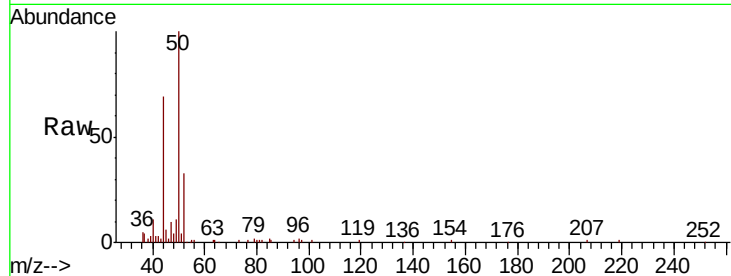
LOQ-SOIL-02-QT2-2019

Tgt Ion: 50 Resp: 25056

Ion Ratio Lower Upper

50 100

52 32.9 25.0 37.6



#4

Vinyl Chloride

Concen: 9.204 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010020.D

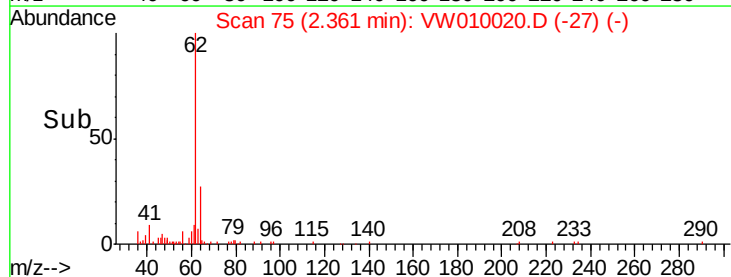
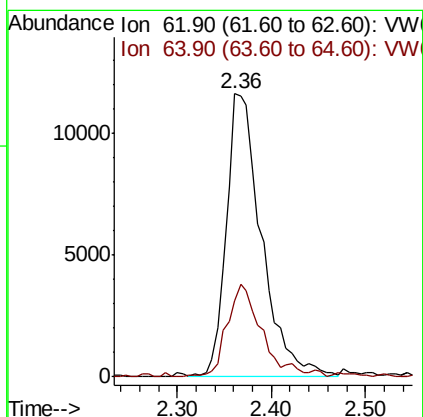
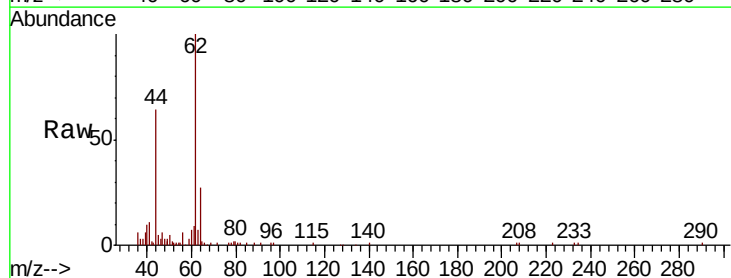
Acq: 17 Apr 2019 17:07

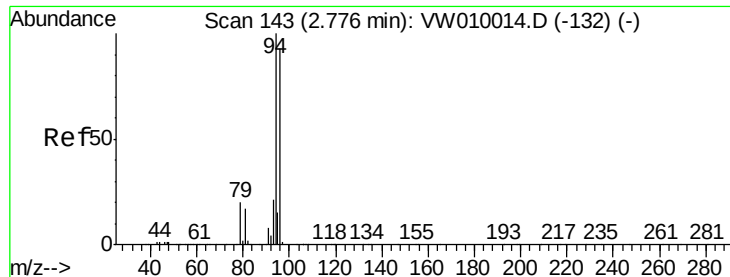
Tgt Ion: 62 Resp: 30229

Ion Ratio Lower Upper

62 100

64 26.4 25.9 38.9





#5

Bromomethane

Concen: 9.410 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

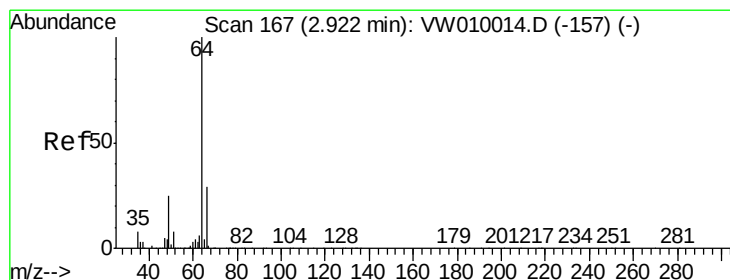
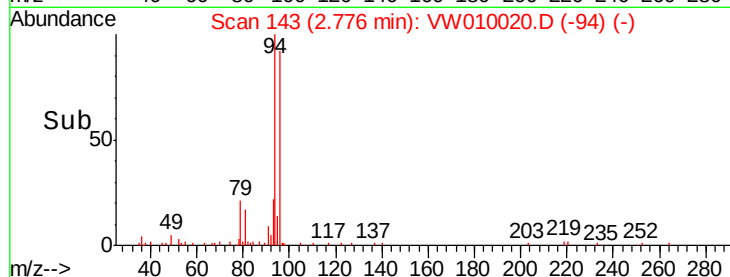
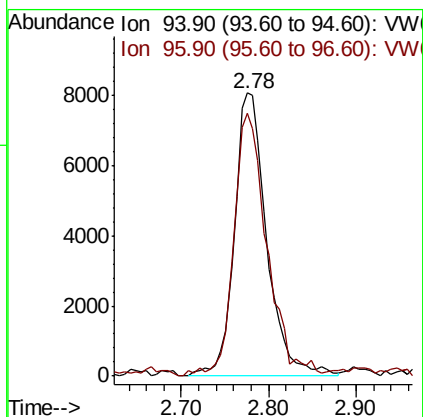
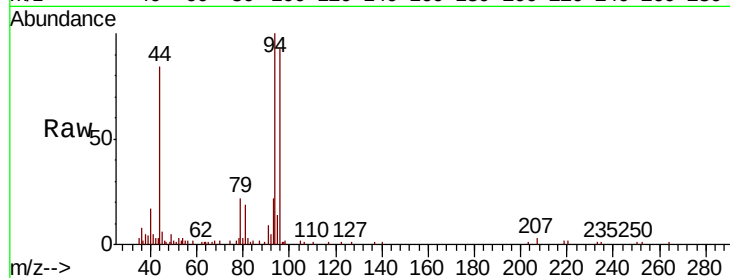
LOQ-SOIL-02-QT2-2019

Tgt Ion: 94 Resp: 20768

Ion Ratio Lower Upper

94 100

96 90.9 74.2 111.2



#6

Chloroethane

Concen: 9.262 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW010020.D

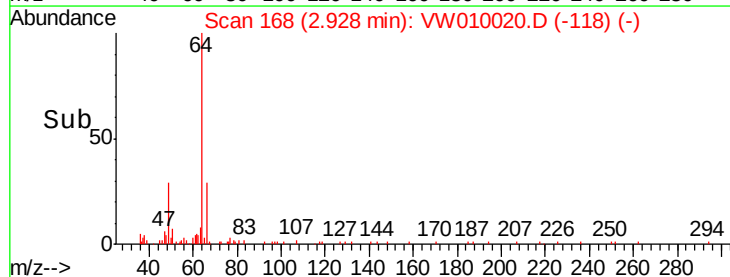
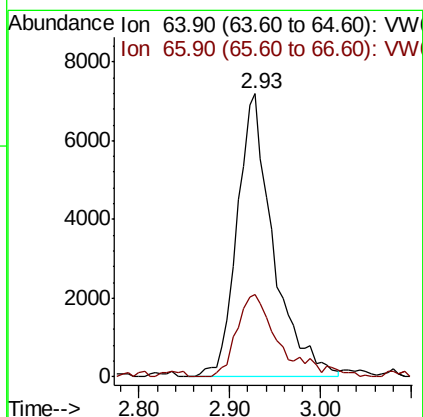
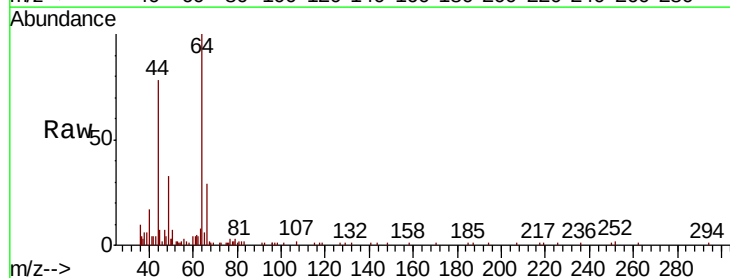
Acq: 17 Apr 2019 17:07

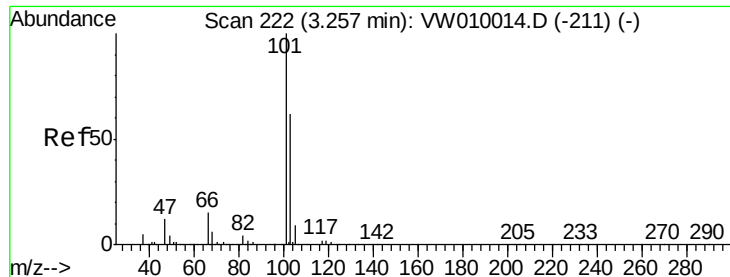
Tgt Ion: 64 Resp: 19875

Ion Ratio Lower Upper

64 100

66 29.0 23.4 35.0



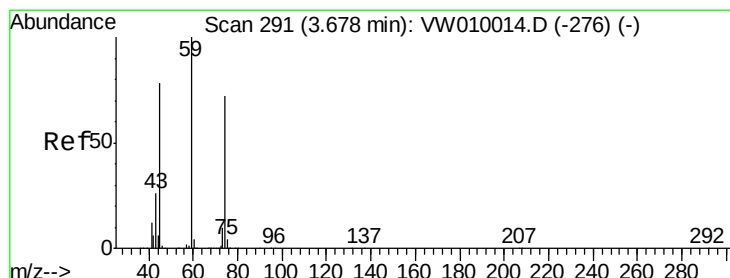
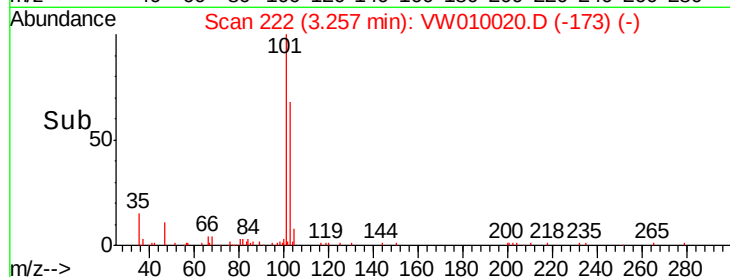
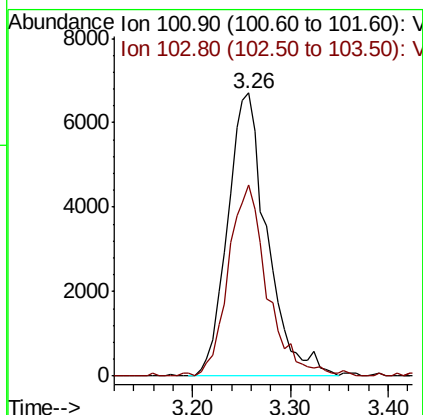
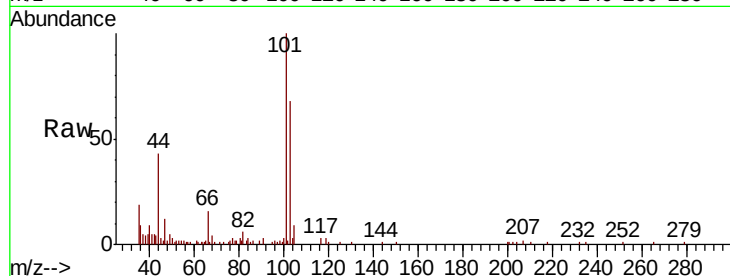


#7

Trichlorofluoromethane
 Concen: 8.280 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW010020.D
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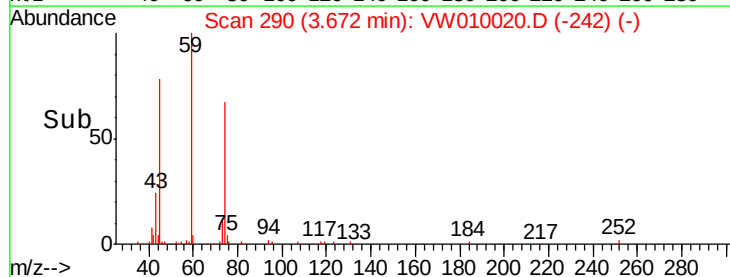
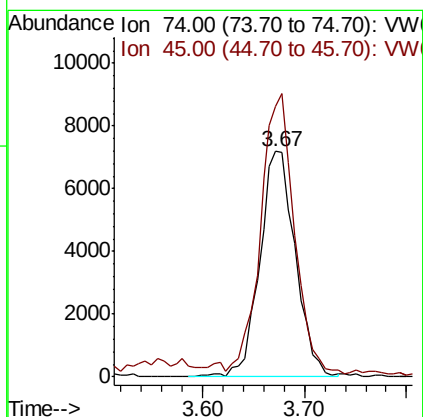
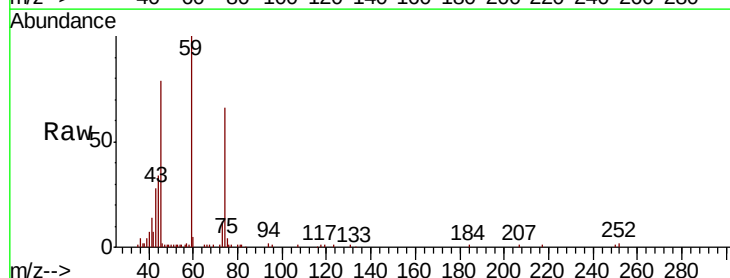
Tgt Ion: 101 Resp: 18802
 Ion Ratio Lower Upper
 101 100
 103 66.5 49.8 74.6

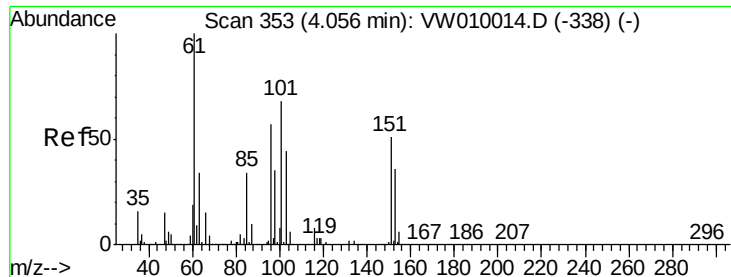


#8

Diethyl Ether
 Concen: 9.238 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 74 Resp: 17449
 Ion Ratio Lower Upper
 74 100
 45 118.0 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.638 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

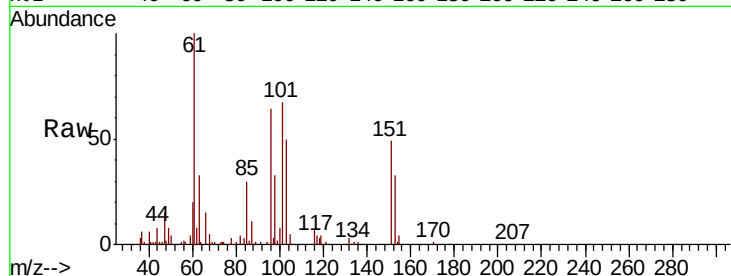
Tgt Ion:101 Resp: 36827

Ion Ratio Lower Upper

101 100

85 44.8 36.3 54.5

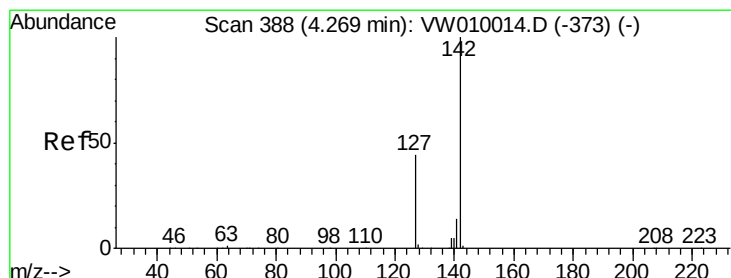
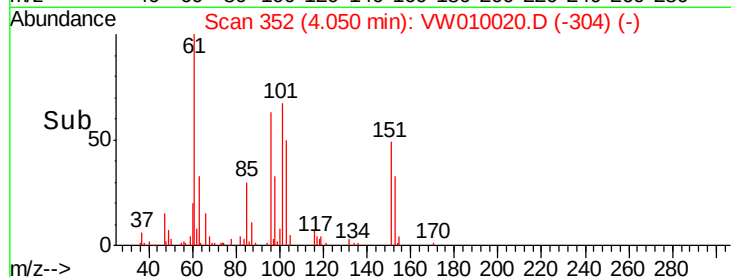
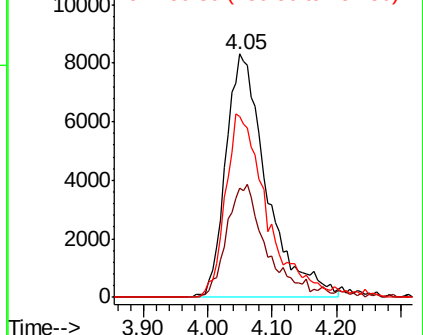
151 75.9 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.933 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

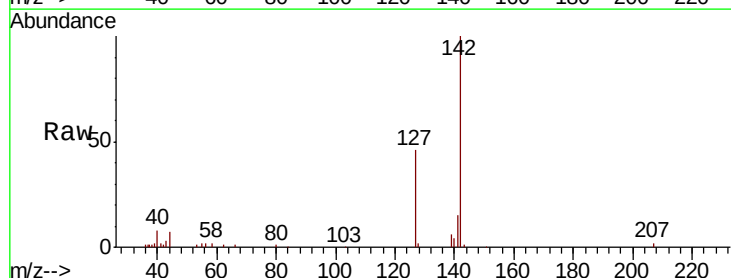
Tgt Ion:142 Resp: 47170

Ion Ratio Lower Upper

142 100

127 48.5 38.1 57.1

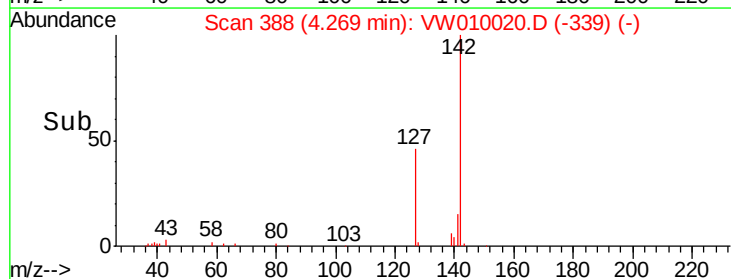
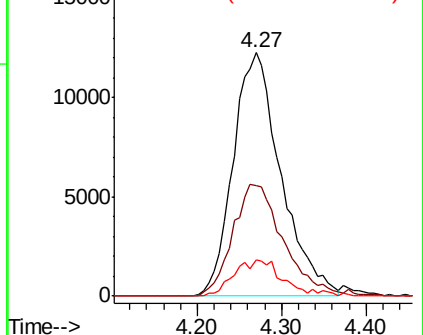
141 15.4 12.2 18.2

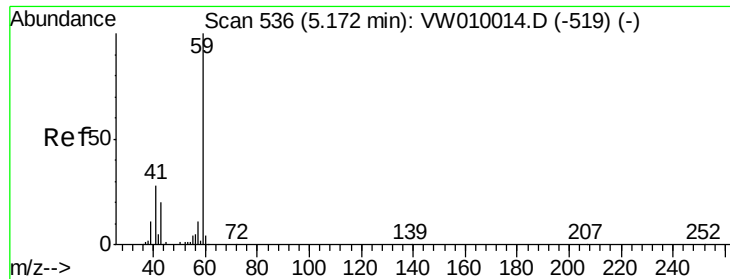


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

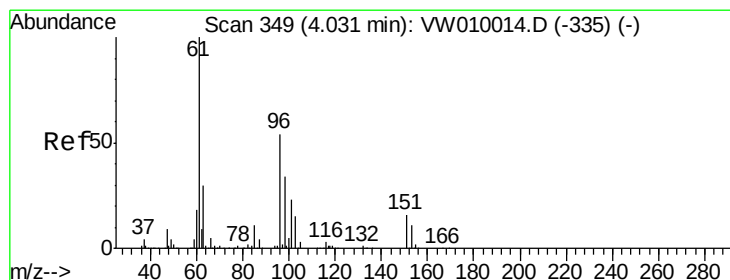
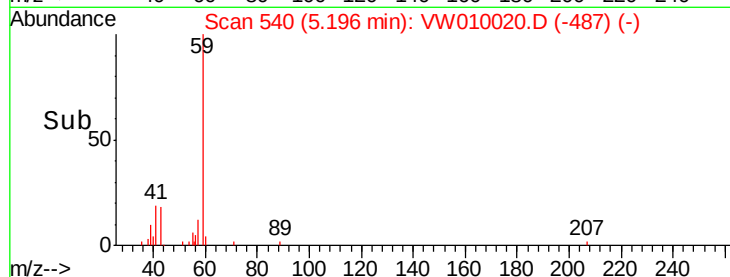
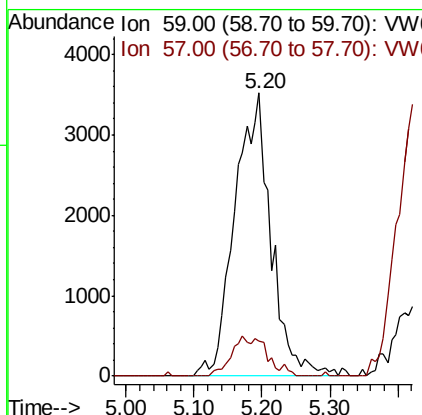
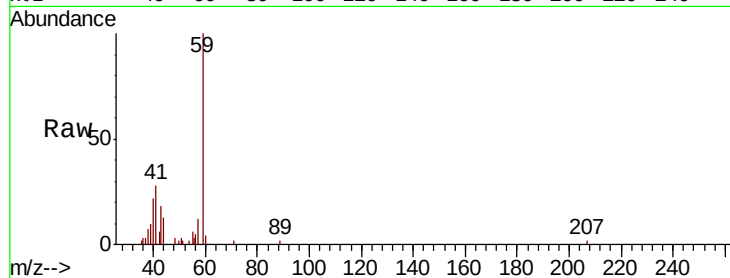




#11
Tert butyl alcohol
Concen: 50.038 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

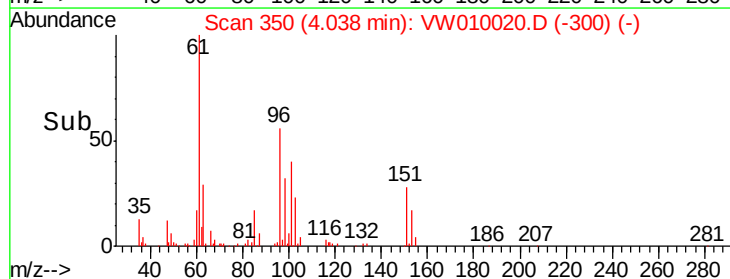
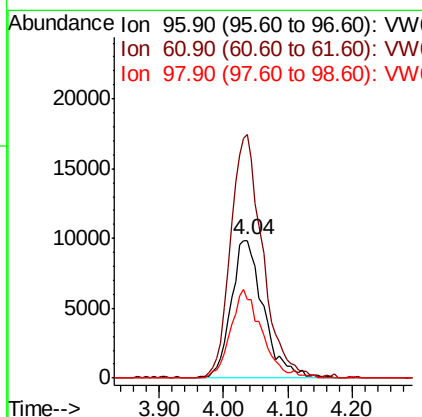
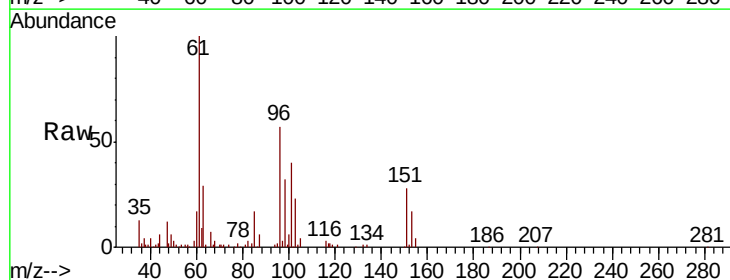
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

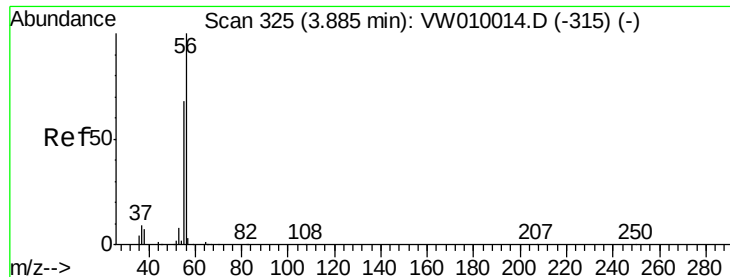
Tgt Ion: 59 Resp: 13033
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 9.408 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 96 Resp: 34461
Ion Ratio Lower Upper
96 100
61 176.2 147.4 221.2
98 57.0 49.7 74.5

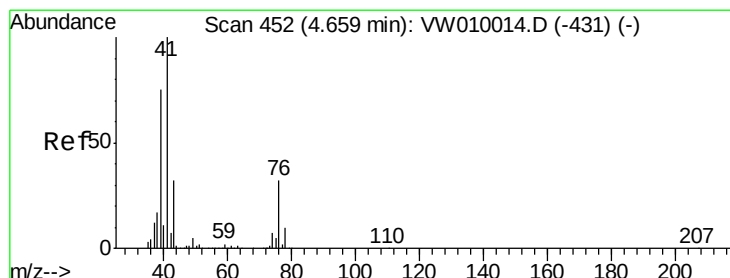
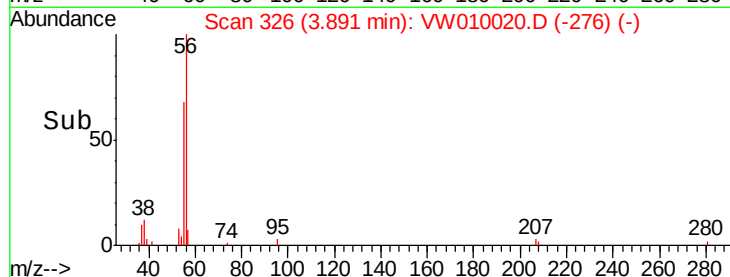
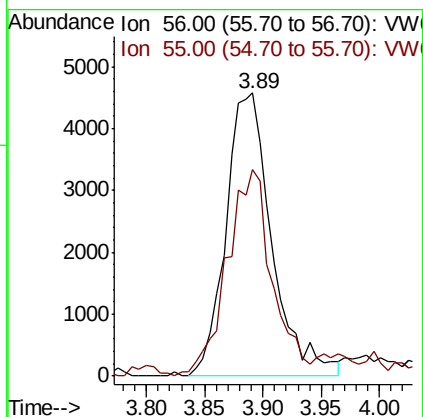
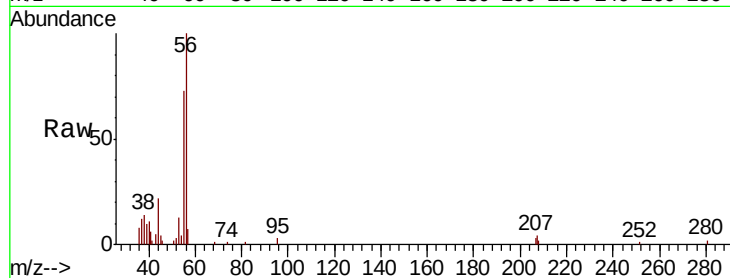




#13
 Acrolein
 Concen: 45.862 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

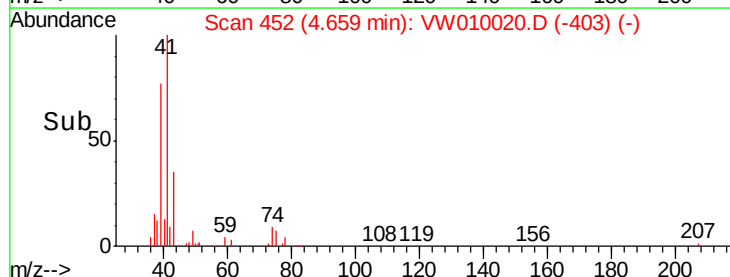
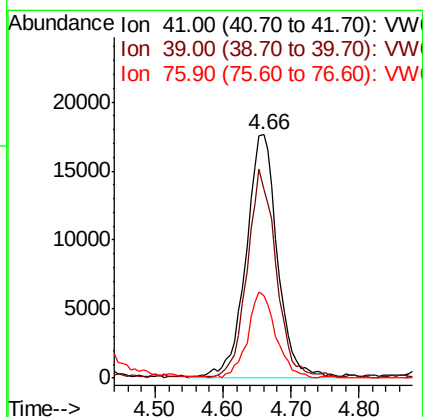
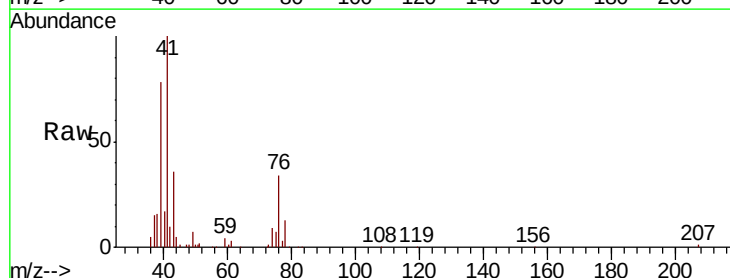
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

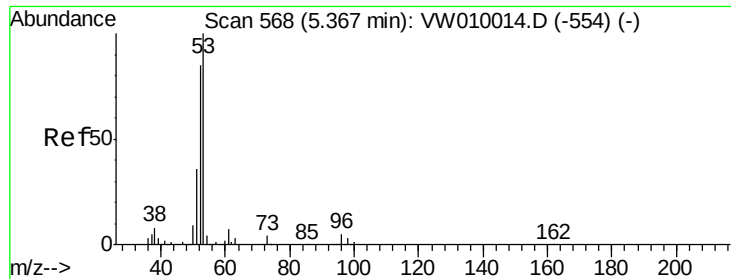
Tgt Ion: 56 Resp: 12567
 Ion Ratio Lower Upper
 56 100
 55 71.1 54.2 81.2



#14
 Allyl chloride
 Concen: 8.647 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 41 Resp: 56312
 Ion Ratio Lower Upper
 41 100
 39 78.3 60.2 90.4
 76 32.2 25.0 37.6





#15

Acrylonitrile

Concen: 46.792 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

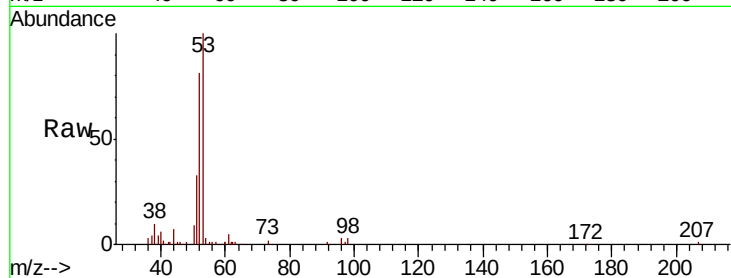
Tgt Ion: 53 Resp: 45484

Ion Ratio Lower Upper

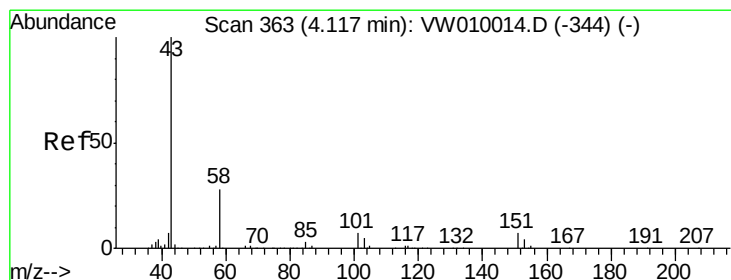
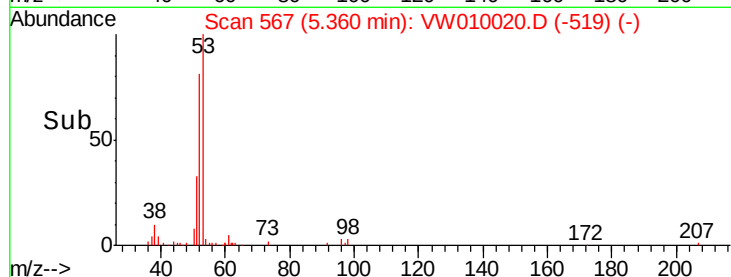
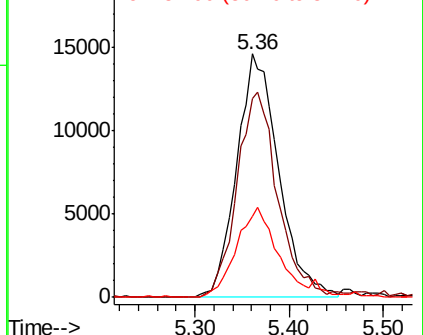
53 100

52 80.6 66.6 100.0

51 35.9 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 50.320 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010020.D

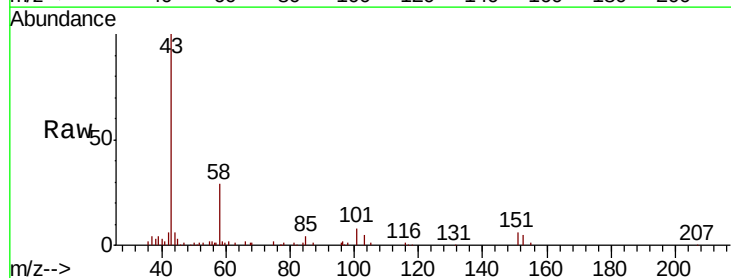
Acq: 17 Apr 2019 17:07

Tgt Ion: 43 Resp: 53387

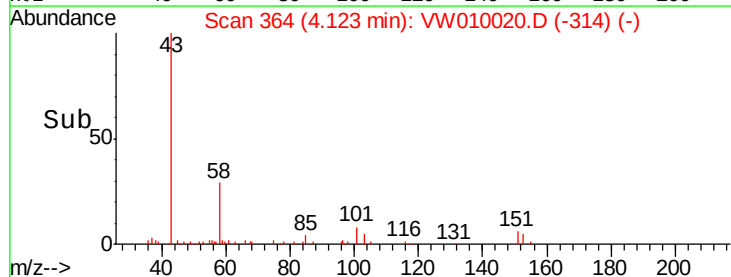
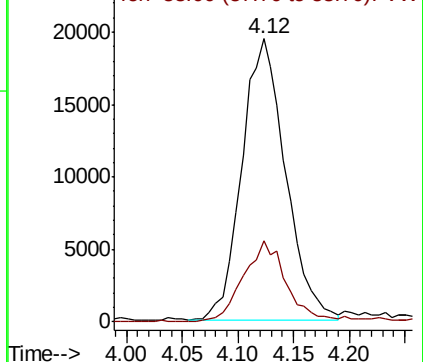
Ion Ratio Lower Upper

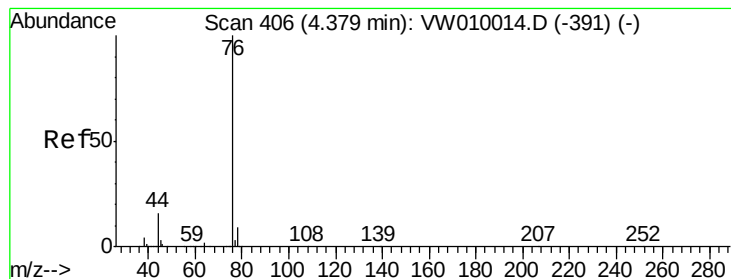
43 100

58 28.7 22.7 34.1



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





#17

Carbon Disulfide

Concen: 9.076 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

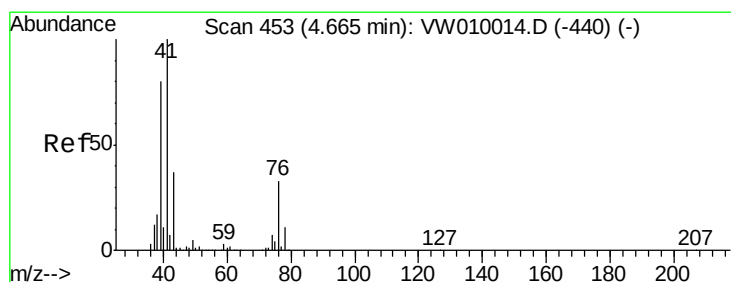
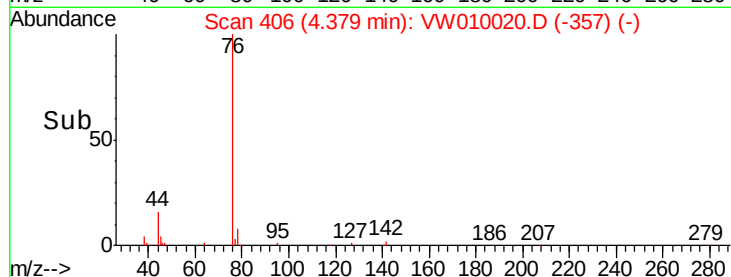
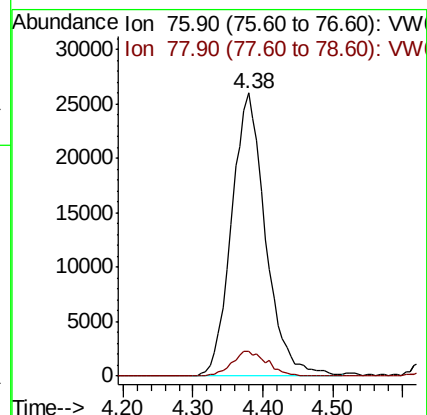
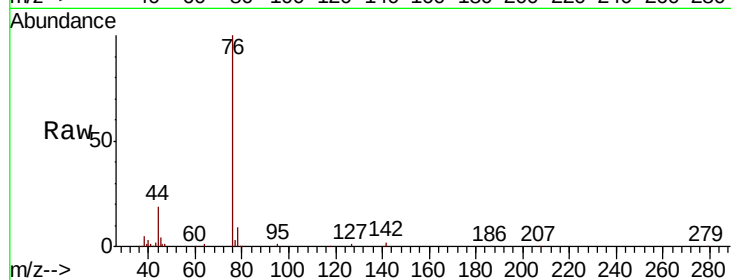
LOQ-SOIL-02-QT2-2019

Tgt Ion: 76 Resp: 87724

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



#18

Methyl Acetate

Concen: 9.264 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010020.D

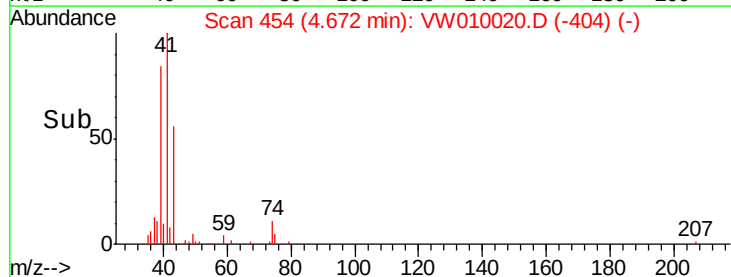
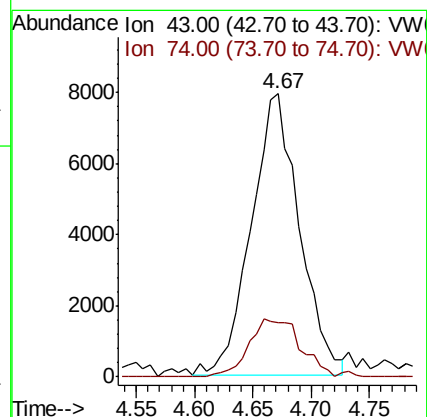
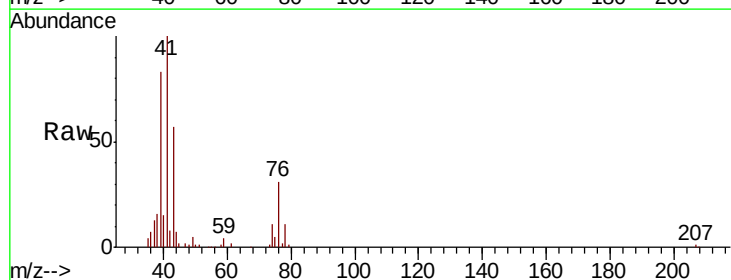
Acq: 17 Apr 2019 17:07

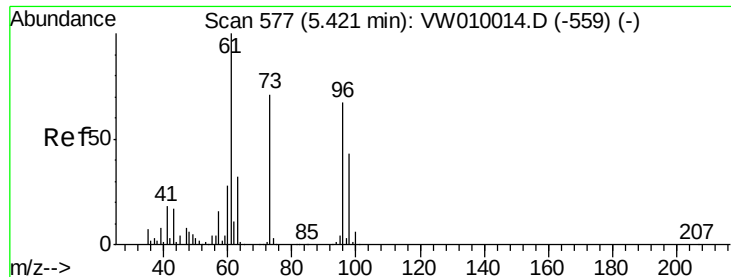
Tgt Ion: 43 Resp: 22747

Ion Ratio Lower Upper

43 100

74 22.1 16.8 25.2

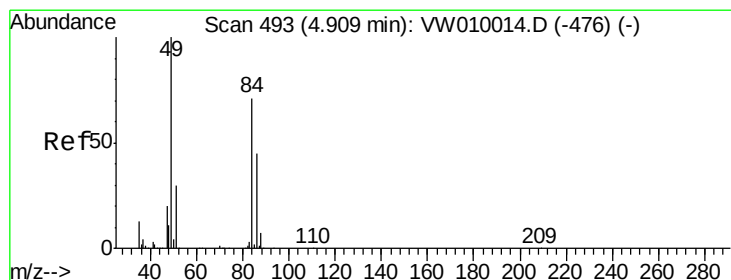
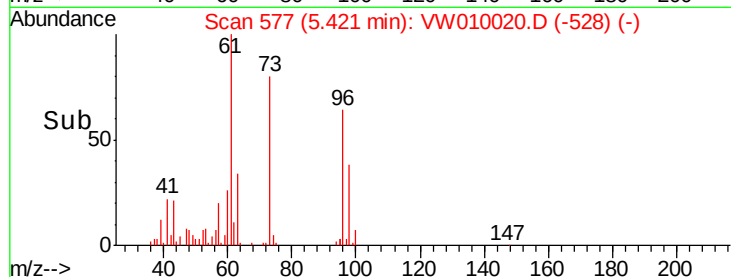
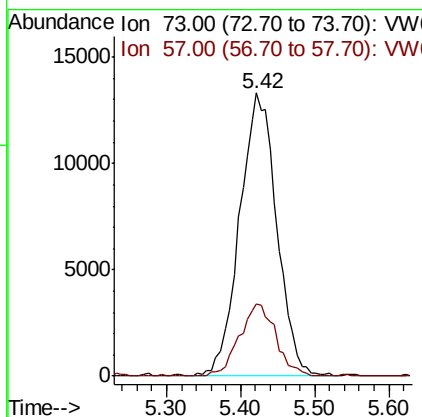
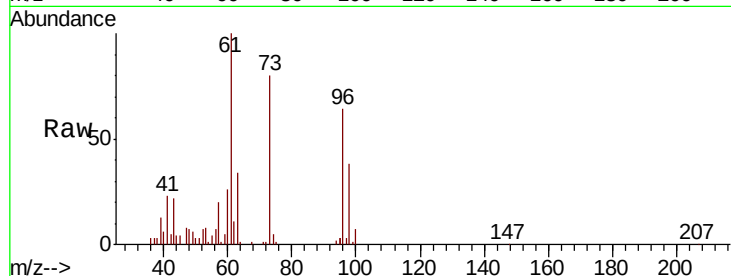




#19
Methyl tert-butyl Ether
Concen: 9.761 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

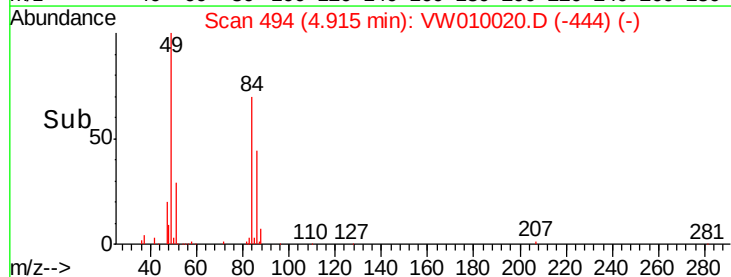
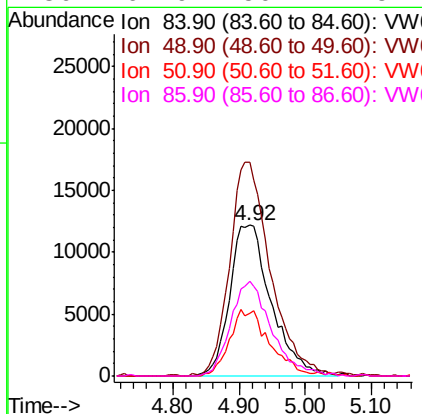
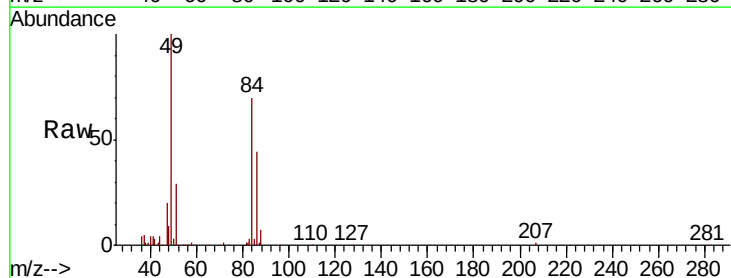
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

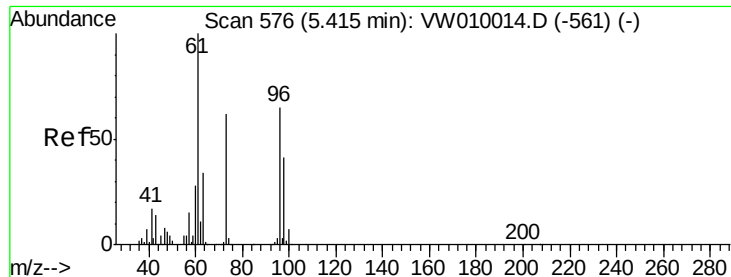
Tgt Ion: 73 Resp: 46443
Ion Ratio Lower Upper
73 100
57 25.4 18.5 27.7



#20
Methylene Chloride
Concen: 9.404 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 84 Resp: 53212
Ion Ratio Lower Upper
84 100
49 142.0 112.3 168.5
51 41.6 33.9 50.9
86 62.9 50.2 75.4

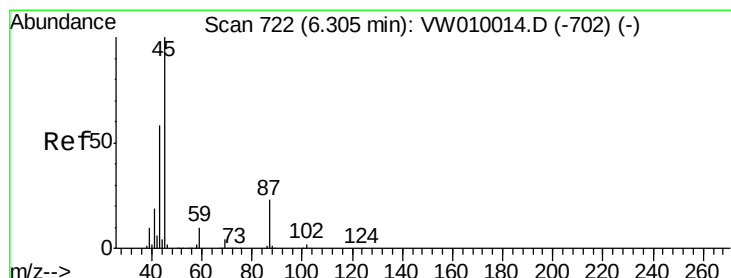
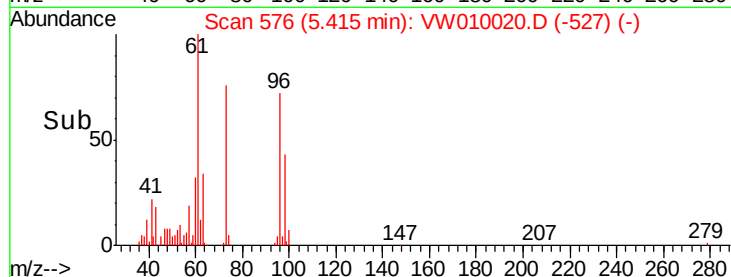
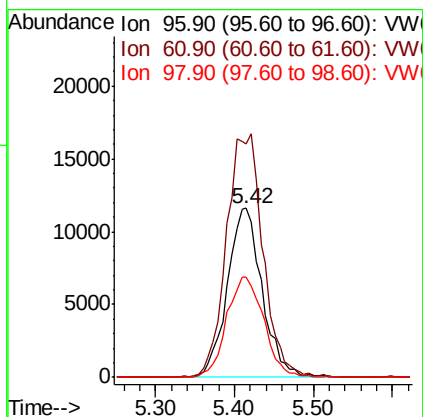
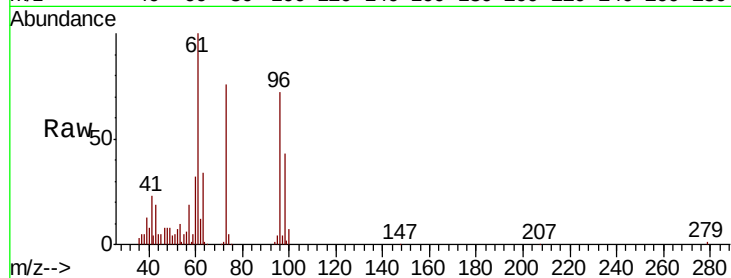




#21
trans-1,2-Dichloroethene
Concen: 8.998 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

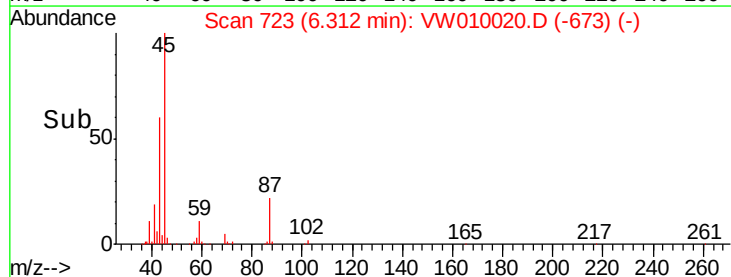
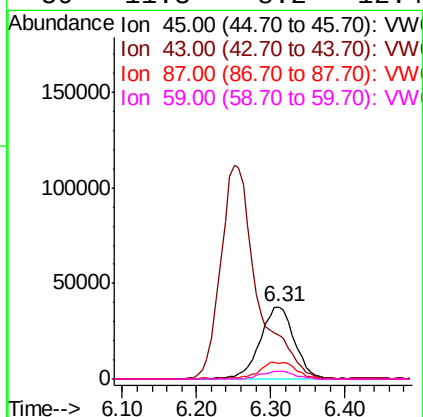
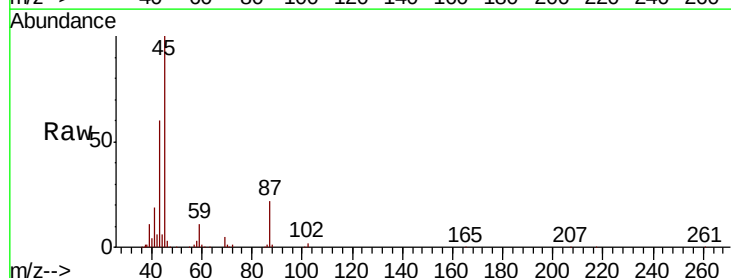
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

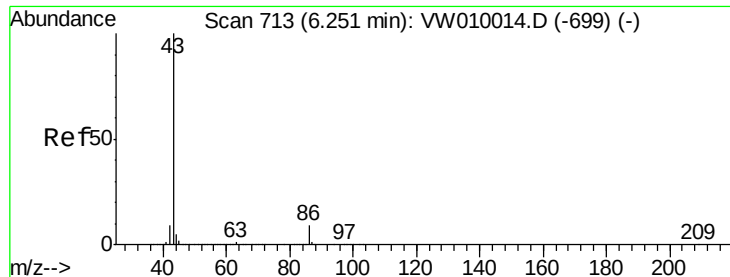
Tgt Ion: 96 Resp: 35694
Ion Ratio Lower Upper
96 100
61 137.9 122.3 183.5
98 59.3 50.5 75.7



#22
Diisopropyl ether
Concen: 9.165 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 45 Resp: 121073
Ion Ratio Lower Upper
45 100
43 59.0 46.1 69.1
87 22.0 18.3 27.5
59 11.3 8.2 12.4





#23

Vinyl Acetate

Concen: 46.004 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

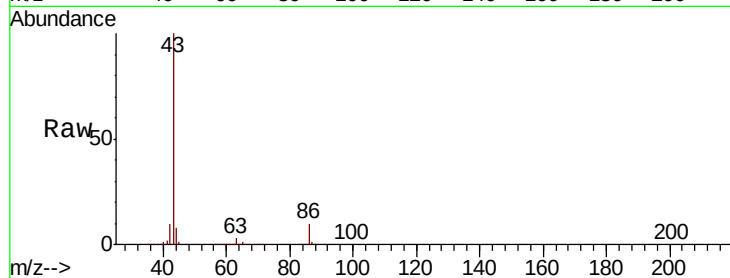
LOQ-SOIL-02-QT2-2019

Tgt Ion: 43 Resp: 382568

Ion Ratio Lower Upper

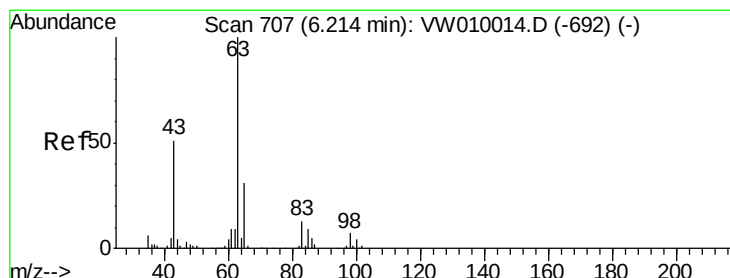
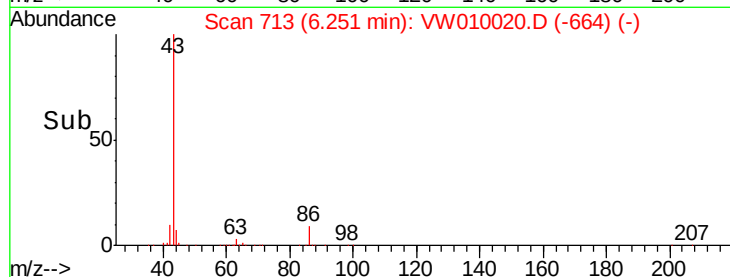
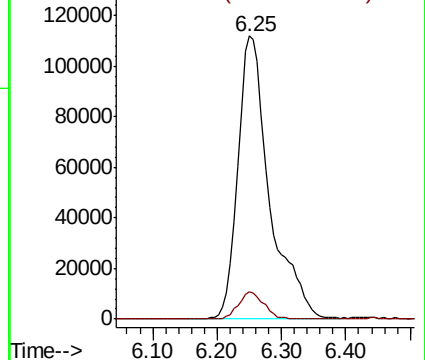
43 100

86 9.5 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 9.373 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

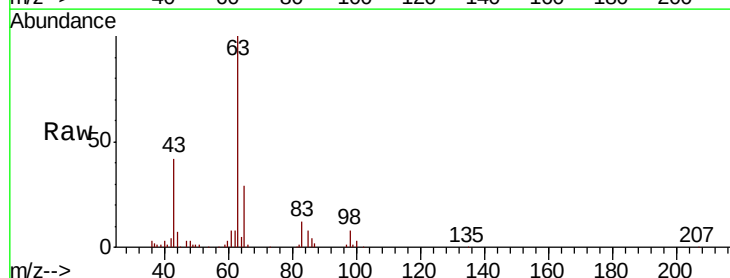
Tgt Ion: 63 Resp: 74017

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.8

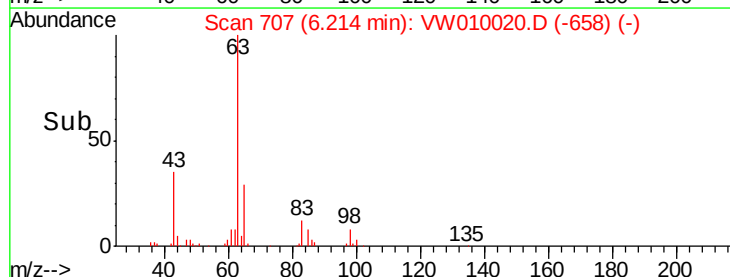
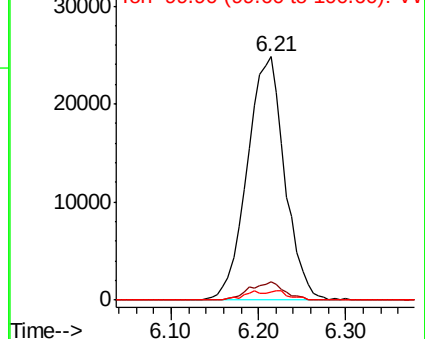
100 3.2 2.0 6.0

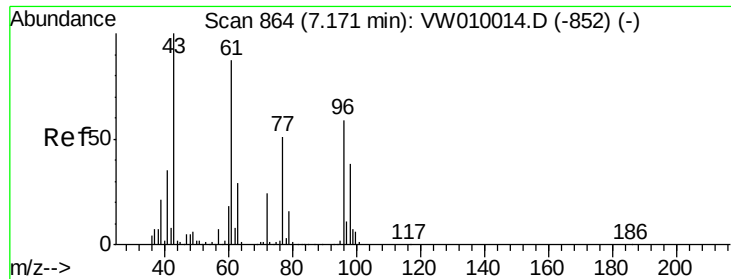


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 49.480 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

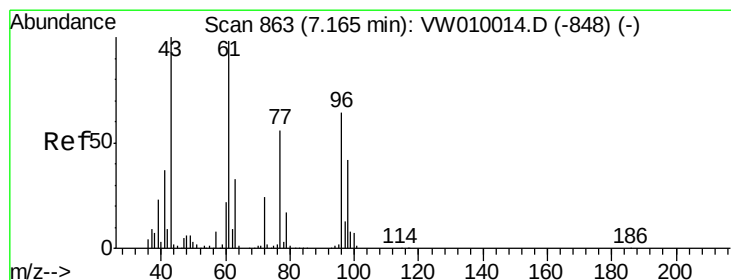
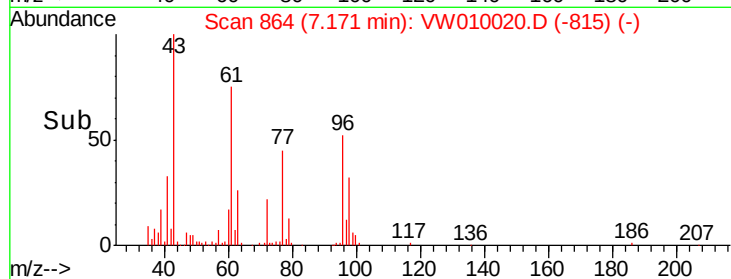
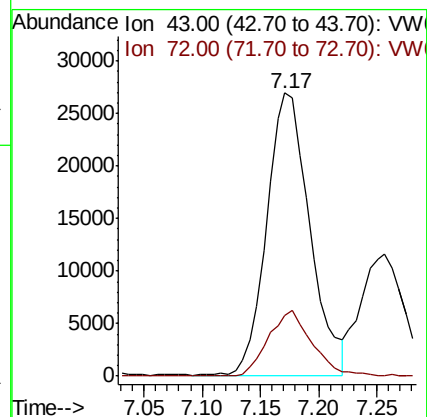
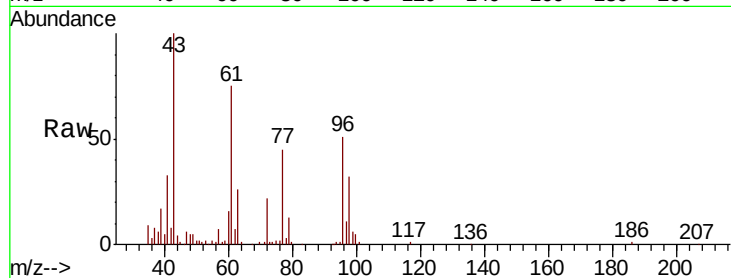
LOQ-SOIL-02-QT2-2019

Tgt Ion: 43 Resp: 68959

Ion Ratio Lower Upper

43 100

72 21.7 19.1 28.7



#26

2,2-Dichloropropane

Concen: 9.459 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010020.D

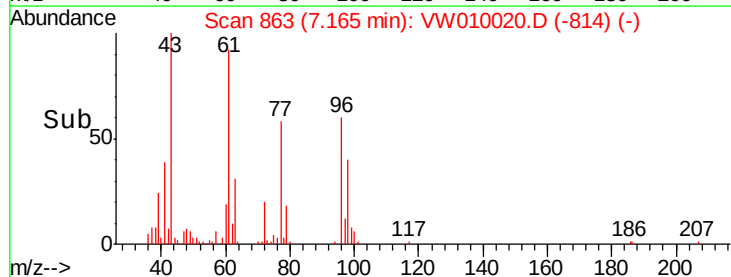
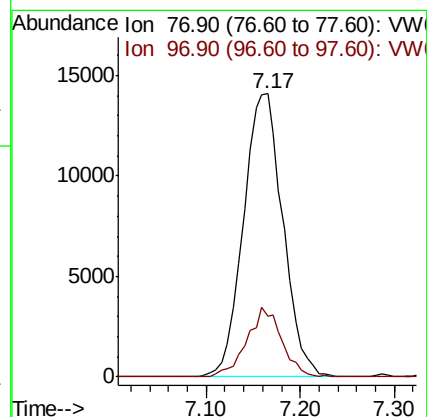
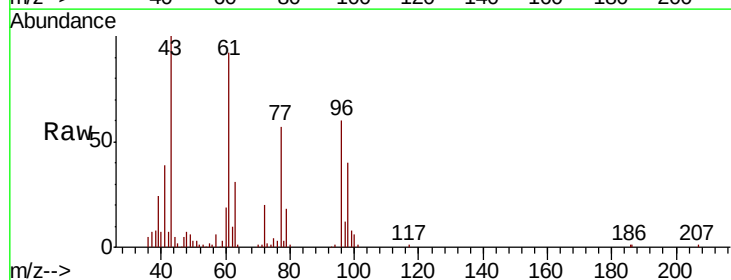
Acq: 17 Apr 2019 17:07

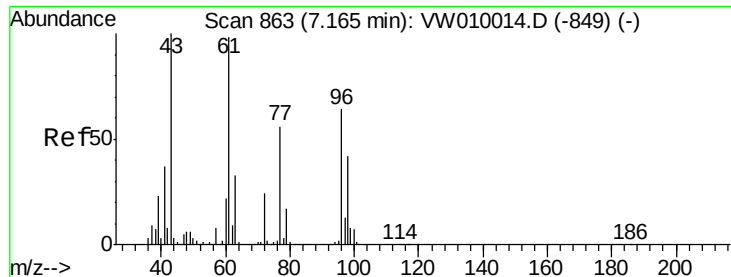
Tgt Ion: 77 Resp: 41325

Ion Ratio Lower Upper

77 100

97 21.6 11.3 33.9



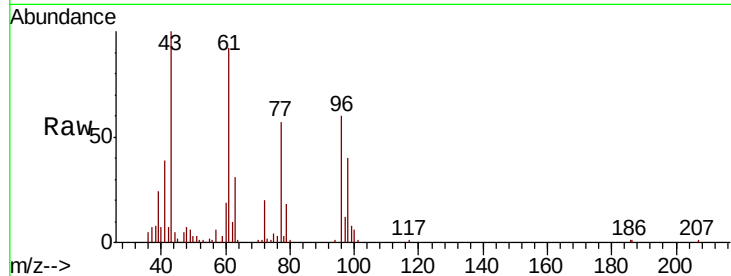


#27

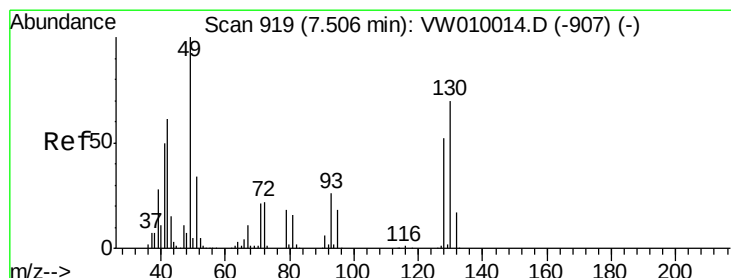
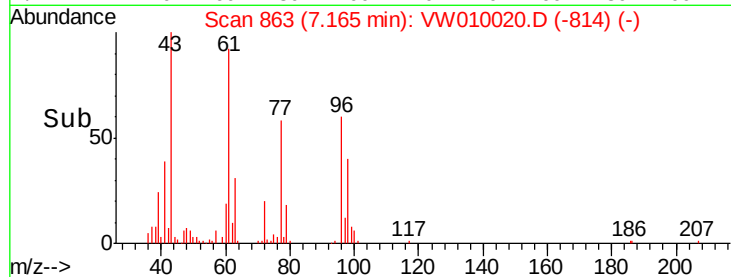
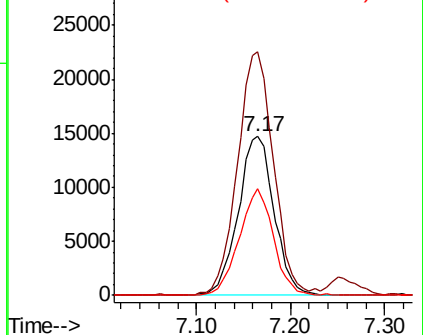
cis-1,2-Dichloroethene
Concen: 8.938 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 96 Resp: 38993
Ion Ratio Lower Upper
96 100
61 153.2 0.0 309.4
98 63.6 0.0 128.6



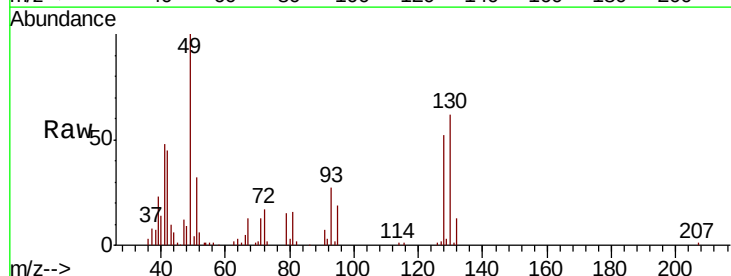
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



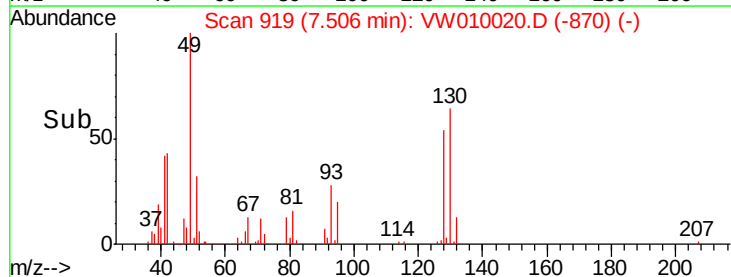
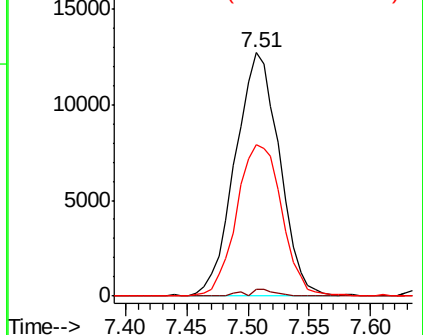
#28

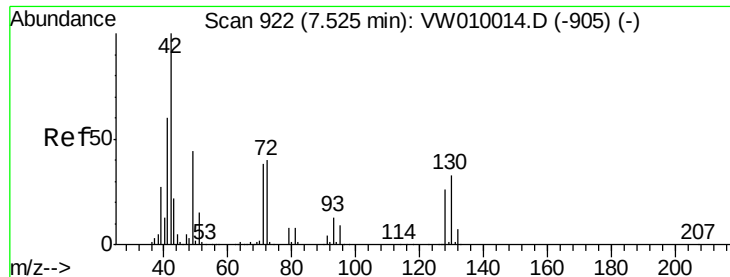
Bromochloromethane
Concen: 9.904 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 49 Resp: 31964
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 63.6 54.6 82.0



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

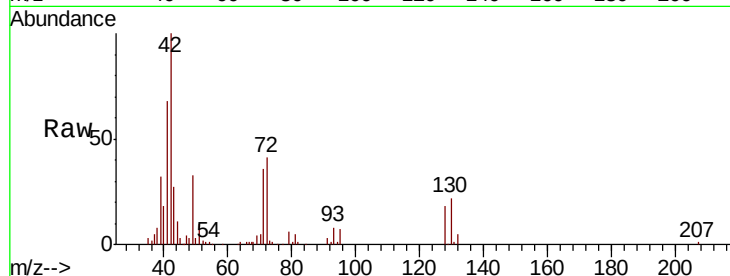




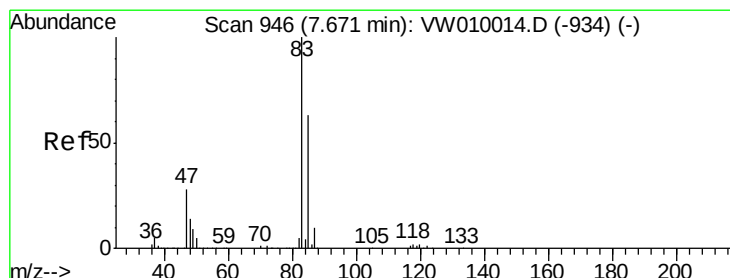
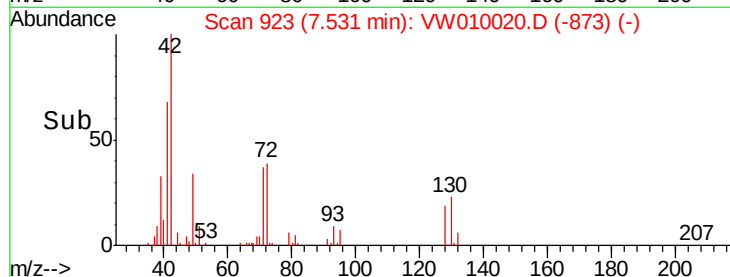
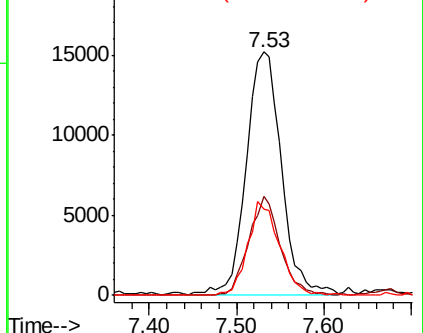
#29
Tetrahydrofuran
Concen: 47.622 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 42 Resp: 42054
Ion Ratio Lower Upper
42 100
72 37.0 31.0 46.6
71 35.0 29.7 44.5

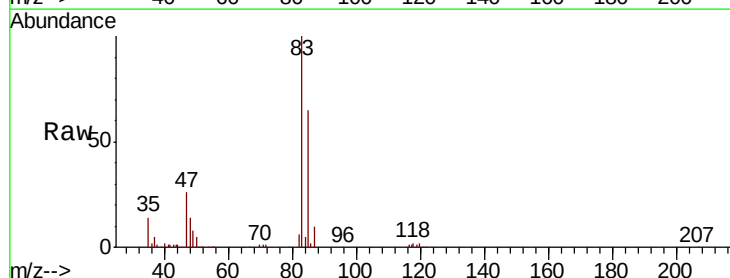


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

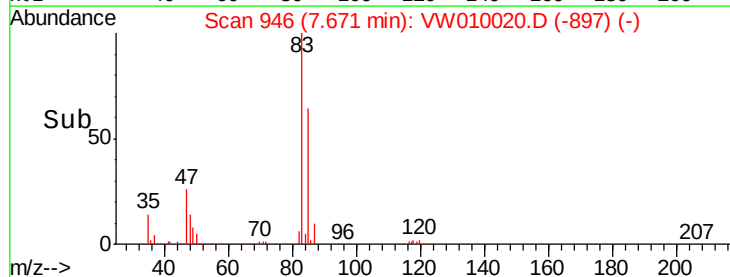
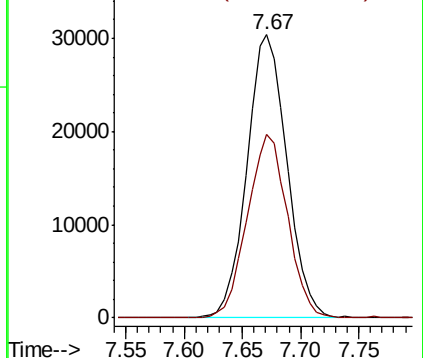


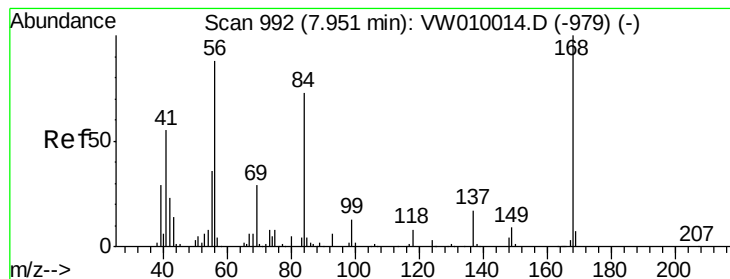
#30
Chloroform
Concen: 9.197 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 83 Resp: 72775
Ion Ratio Lower Upper
83 100
85 64.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 9.669 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

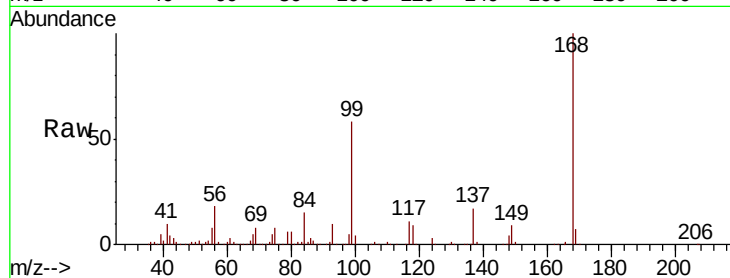
Tgt Ion: 56 Resp: 71503

Ion Ratio Lower Upper

56 100

69 44.6 26.6 40.0#

84 82.9 66.2 99.2

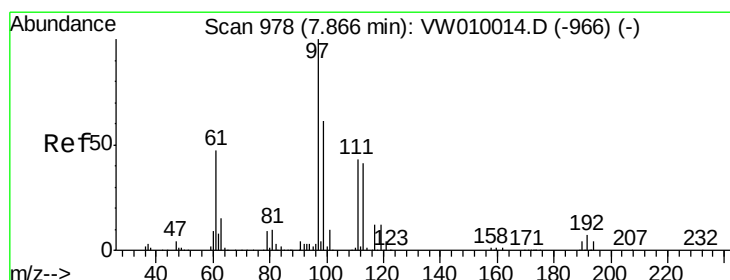
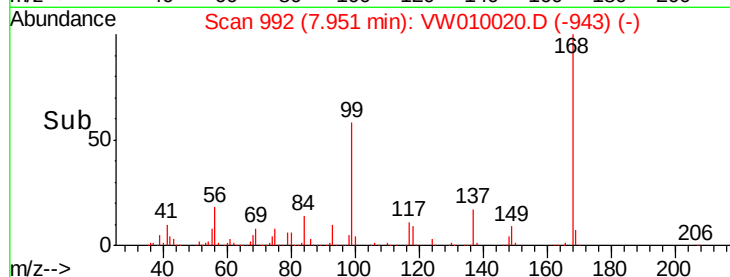
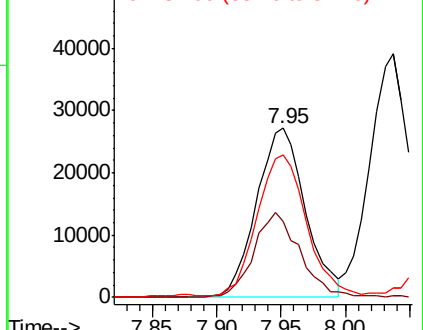


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 9.179 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

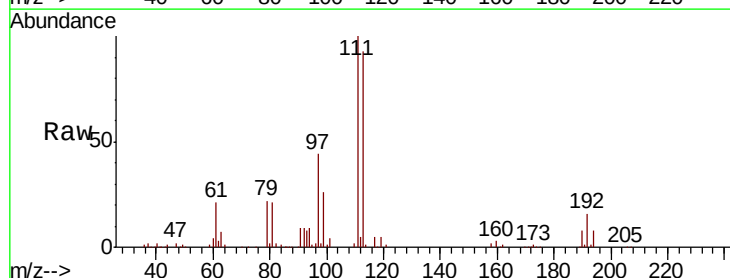
Tgt Ion: 97 Resp: 57019

Ion Ratio Lower Upper

97 100

99 64.2 50.2 75.2

61 48.5 38.2 57.2

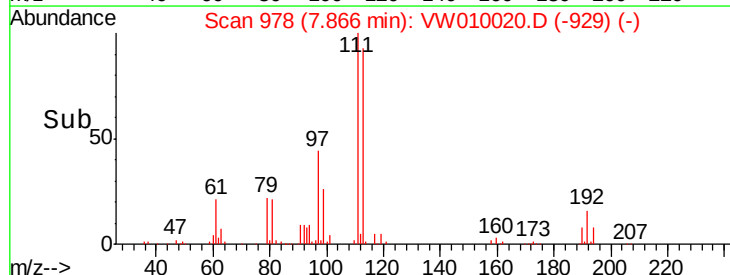
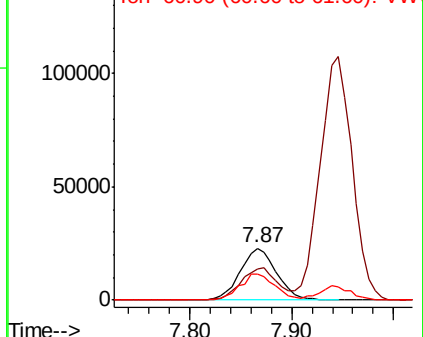


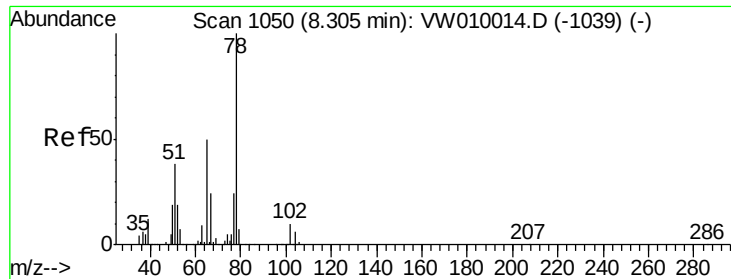
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

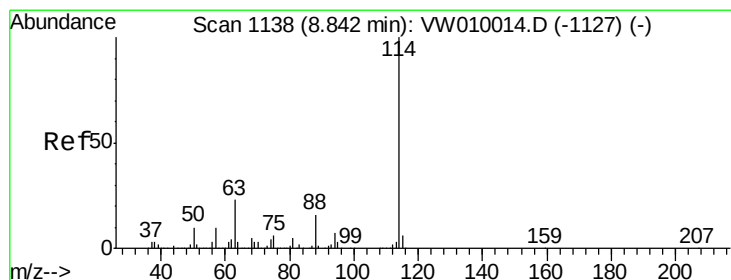
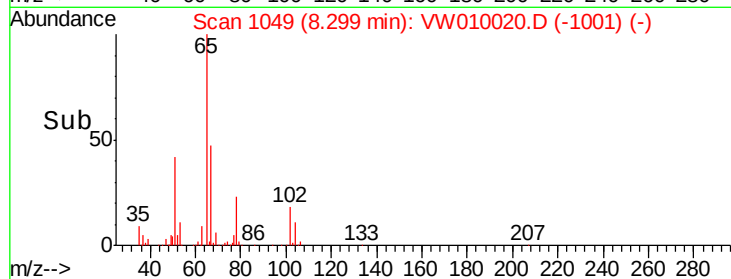
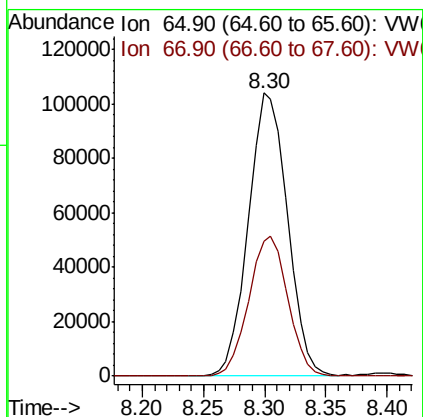
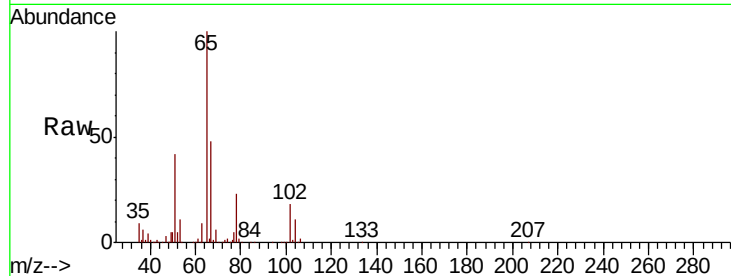




#33
 1,2-Dichloroethane-d4
 Concen: 50.594 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

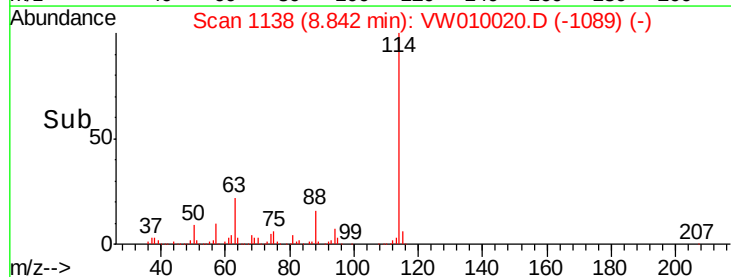
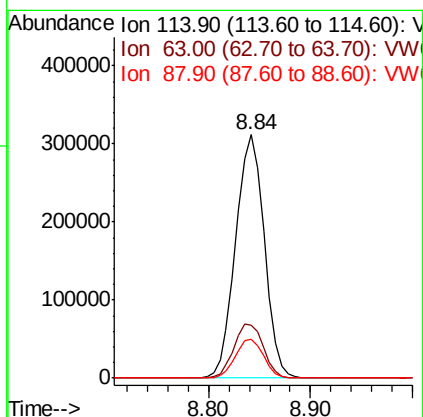
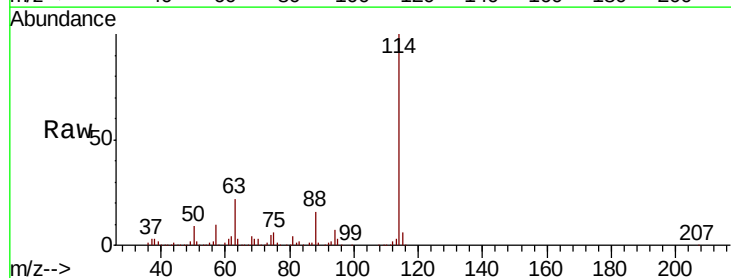
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

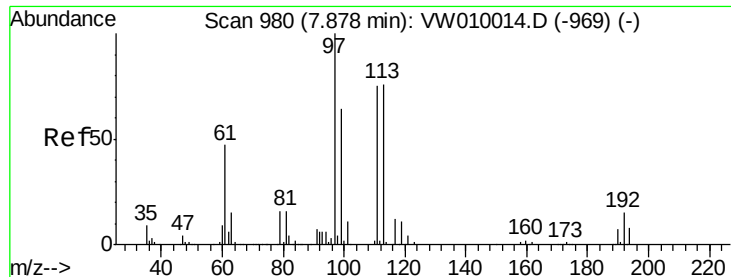
Tgt Ion: 65 Resp: 231349
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 114 Resp: 607382
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 46.2
 88 15.9 0.0 32.6

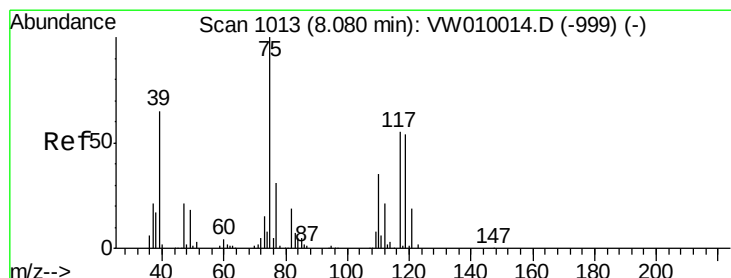
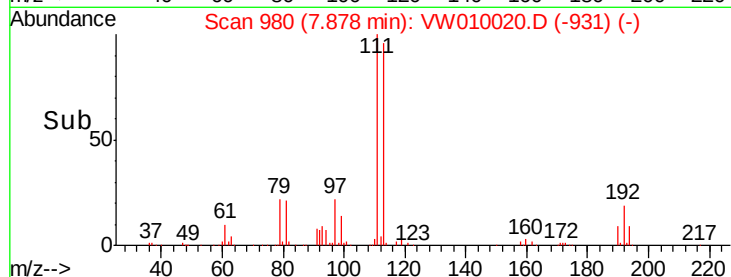
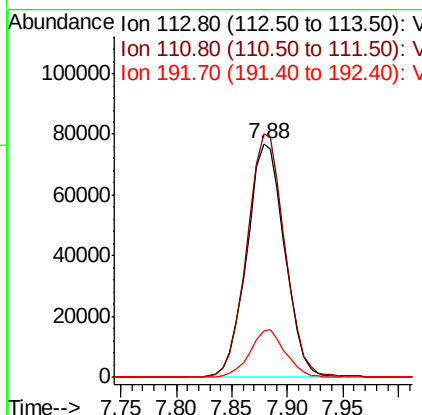
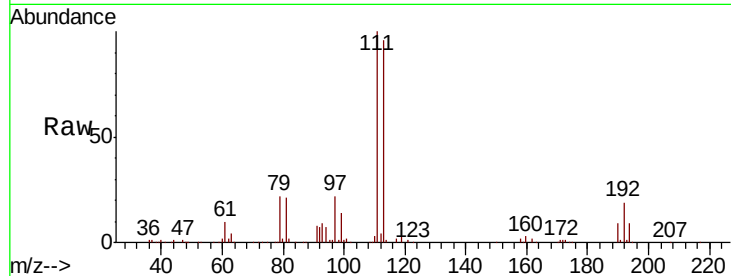




#35
 Dibromofluoromethane
 Concen: 47.083 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

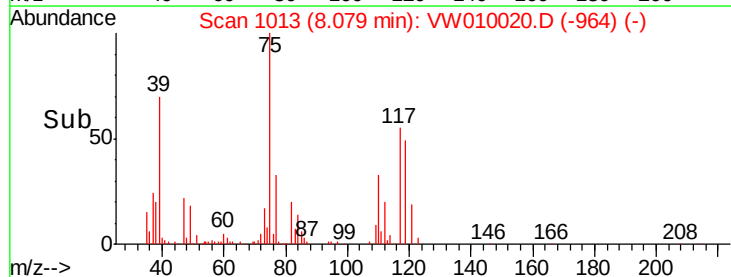
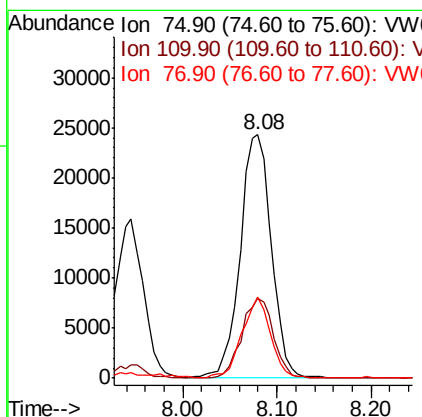
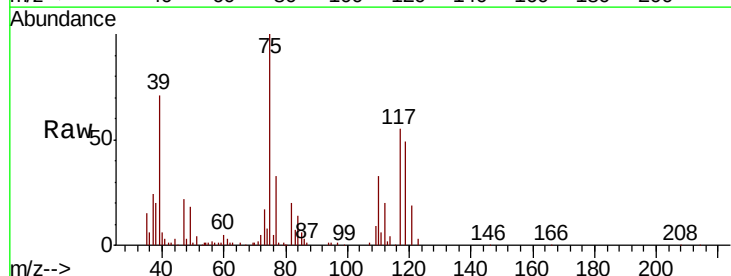
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

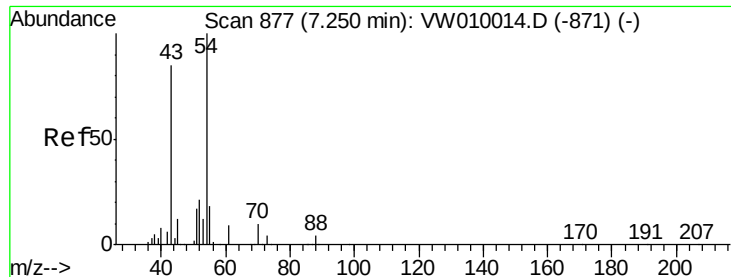
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	123.8
192	19.2	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 9.076 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.5	24.8	37.2

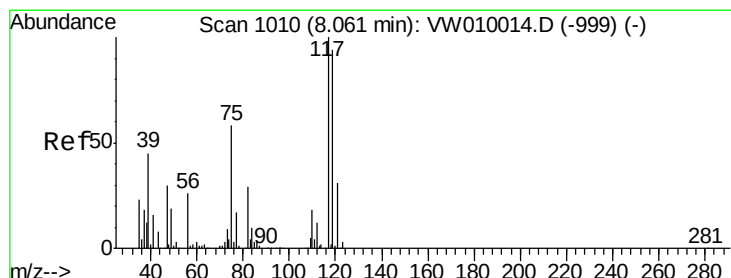
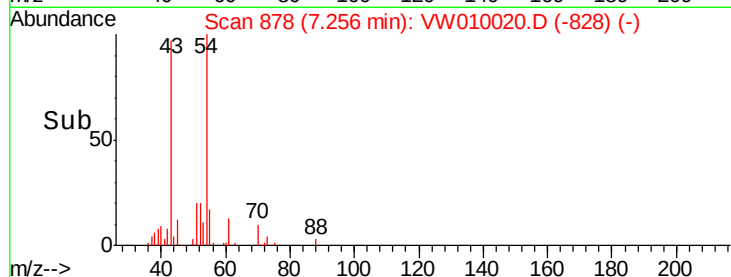
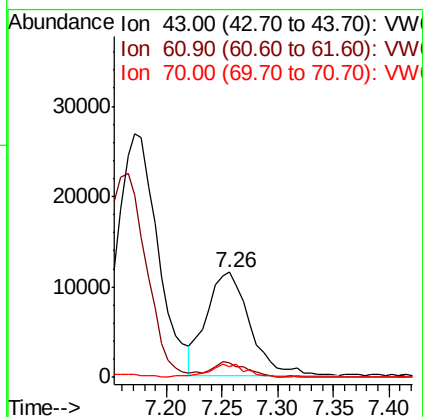
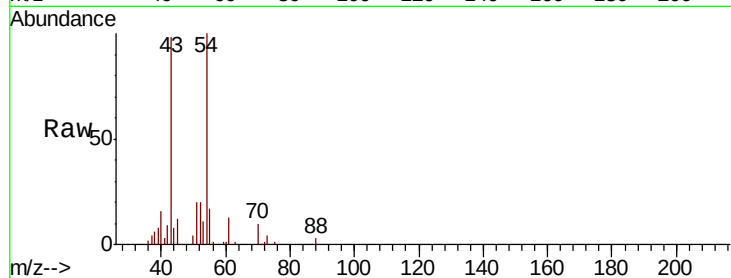




#37
Ethyl Acetate
Concen: 9.859 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

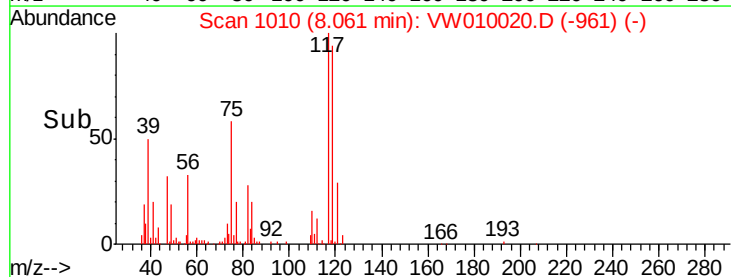
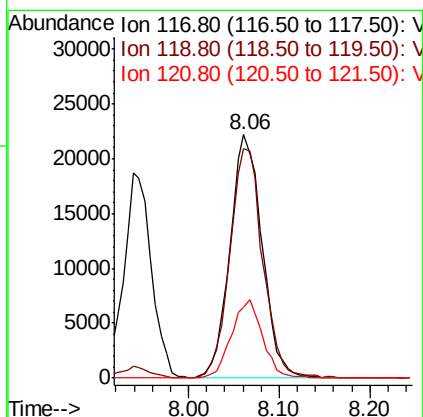
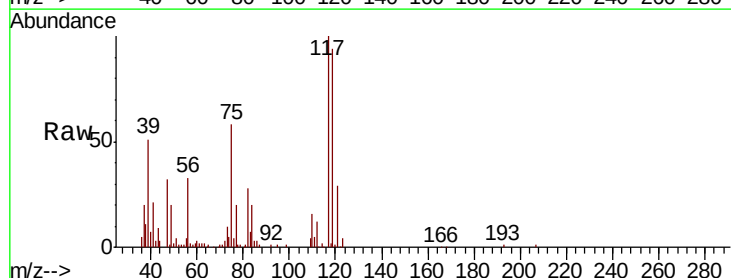
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

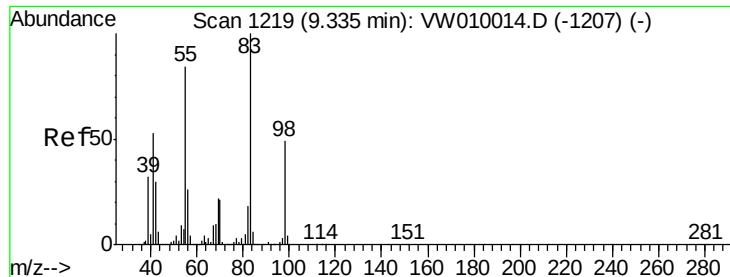
Tgt Ion: 43 Resp: 31082
Ion Ratio Lower Upper
43 100
61 11.1 9.8 14.8
70 11.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 9.054 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 117 Resp: 54823
Ion Ratio Lower Upper
117 100
119 94.3 75.3 112.9
121 28.9 24.4 36.6

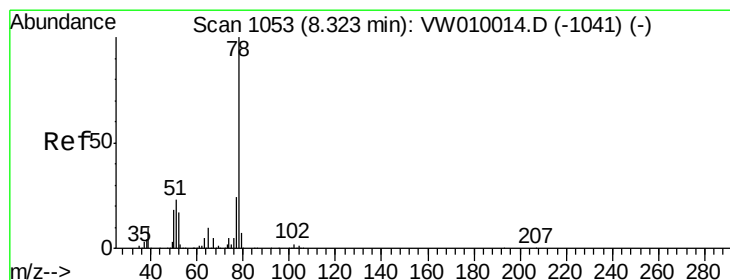
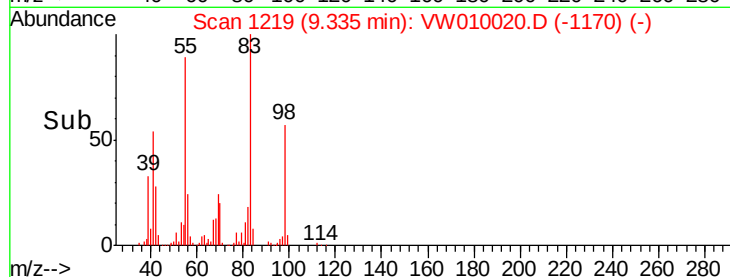
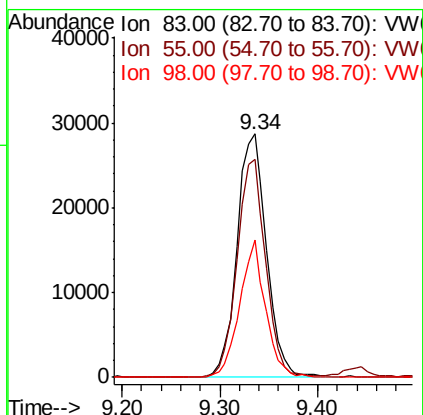
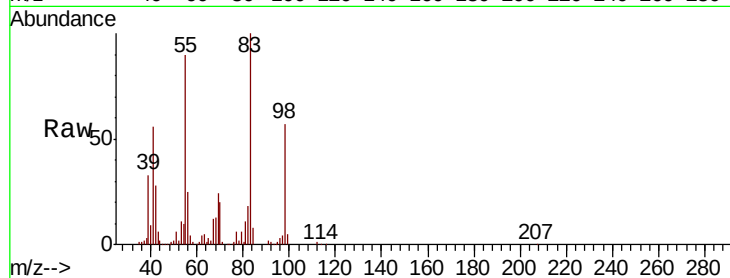




#39
Methylcyclohexane
Concen: 8.956 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

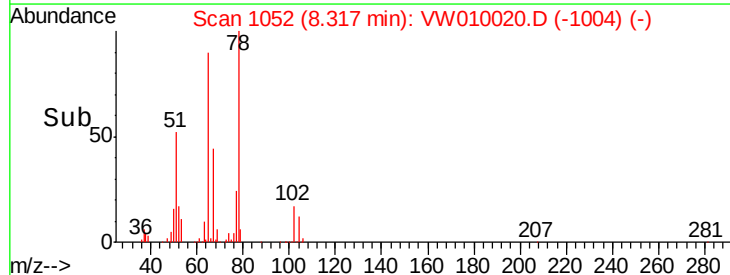
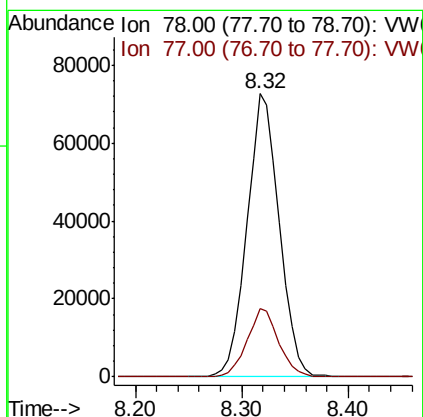
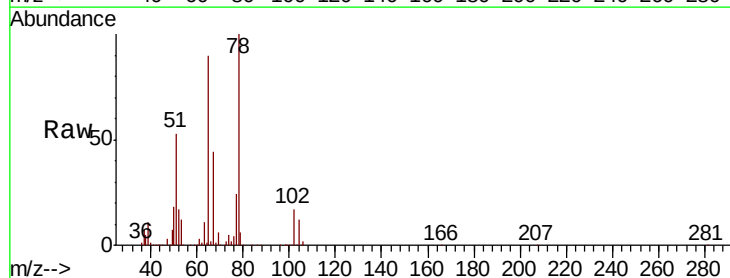
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

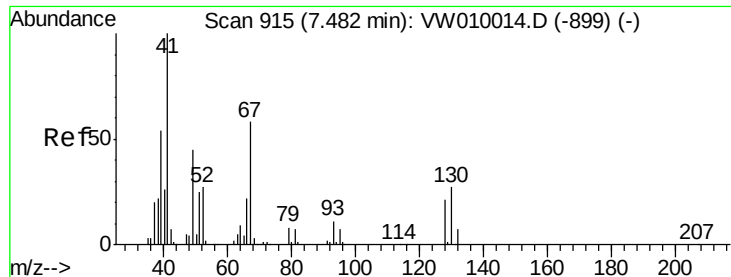
Tgt Ion: 83 Resp: 60016
Ion Ratio Lower Upper
83 100
55 89.5 67.1 100.7
98 56.7 39.2 58.8



#40
Benzene
Concen: 9.084 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 78 Resp: 154095
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#41

Methacrylonitrile

Concen: 9.476 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 41 Resp: 17027

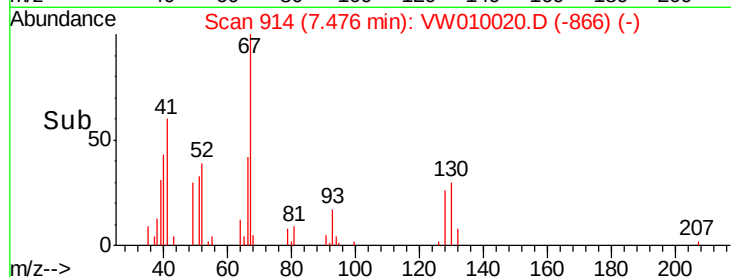
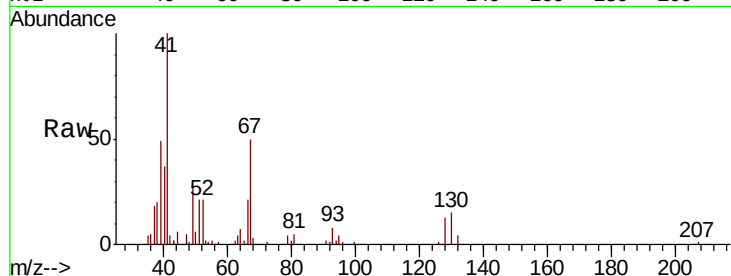
Ion Ratio Lower Upper

41 100

39 63.4 45.0 67.4

67 60.9 50.7 76.1

52 32.4 22.6 33.8

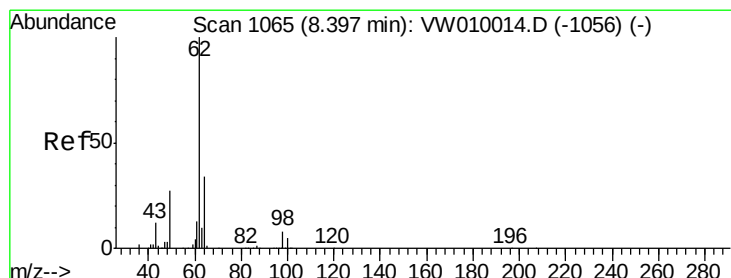
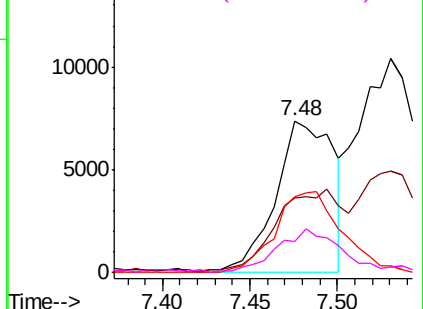


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 9.232 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010020.D

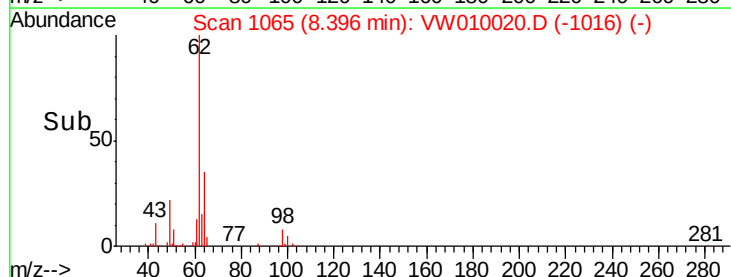
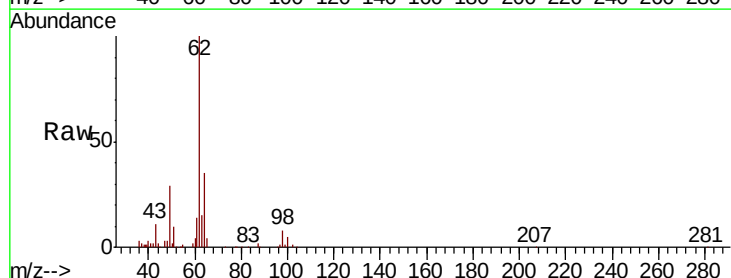
Acq: 17 Apr 2019 17:07

Tgt Ion: 62 Resp: 53820

Ion Ratio Lower Upper

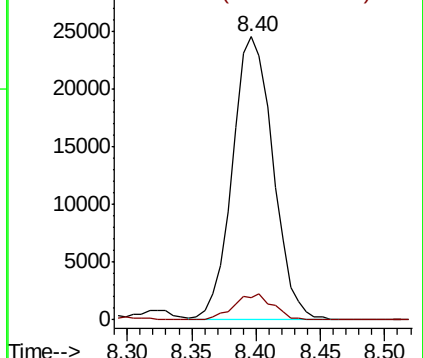
62 100

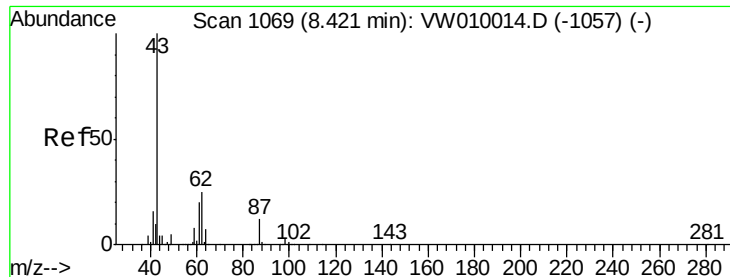
98 8.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.697 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

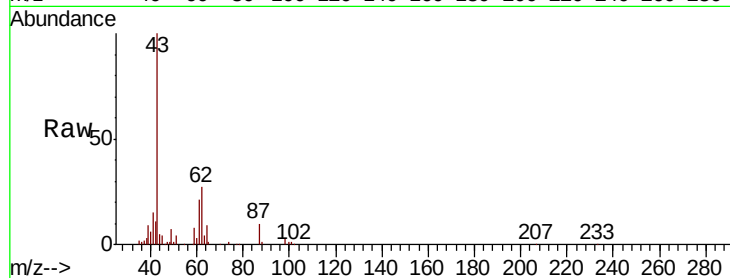
Tgt Ion: 43 Resp: 57287

Ion Ratio Lower Upper

43 100

61 27.1 23.0 34.6

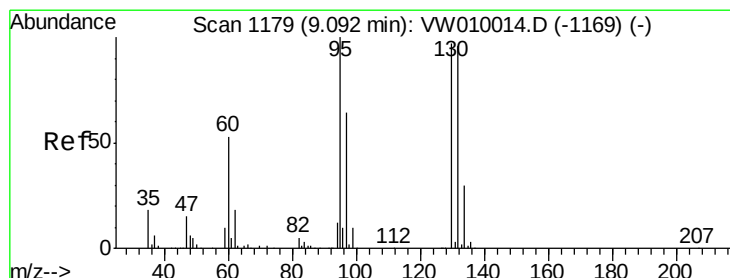
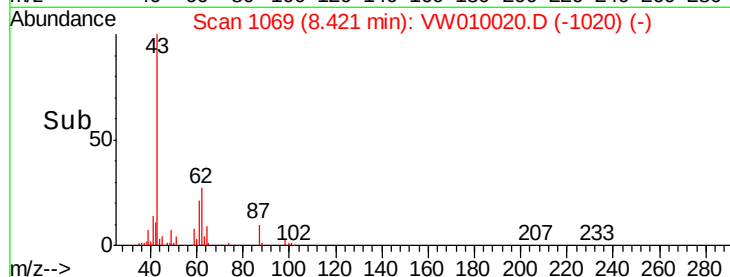
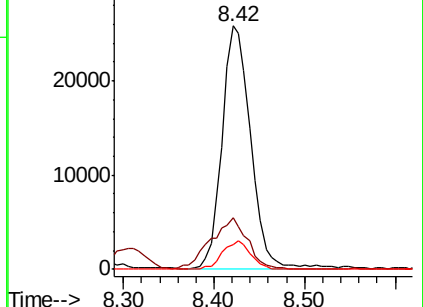
87 11.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 8.923 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010020.D

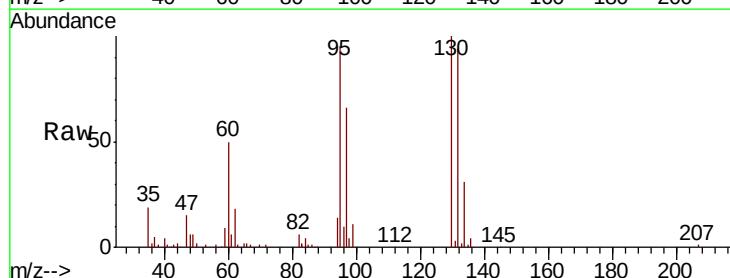
Acq: 17 Apr 2019 17:07

Tgt Ion: 130 Resp: 38448

Ion Ratio Lower Upper

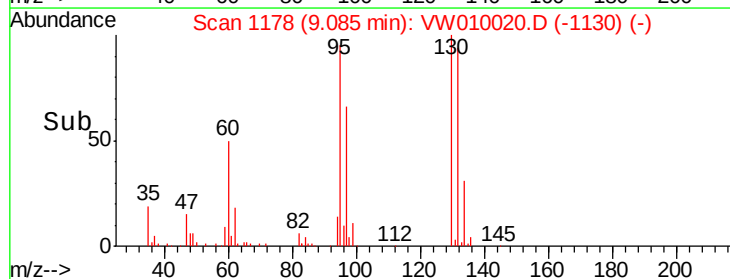
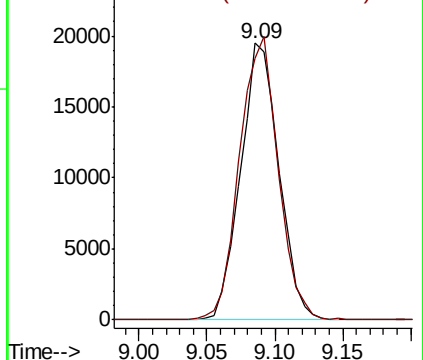
130 100

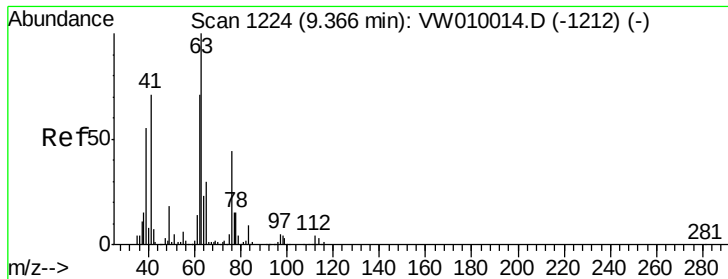
95 94.7 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

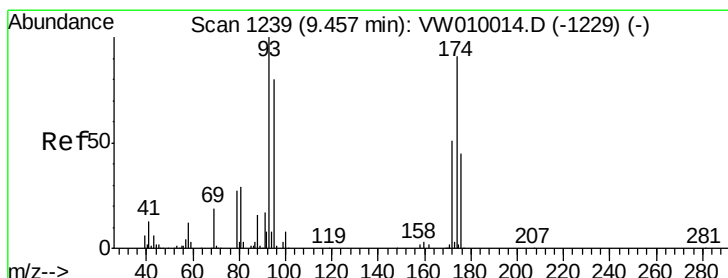
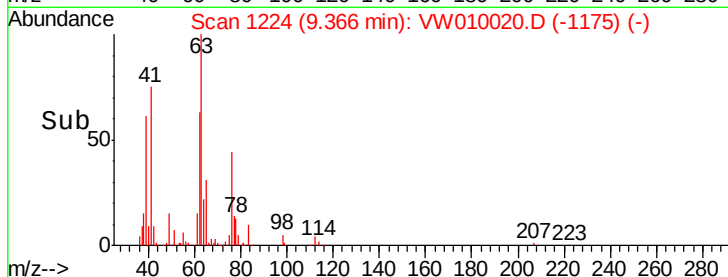
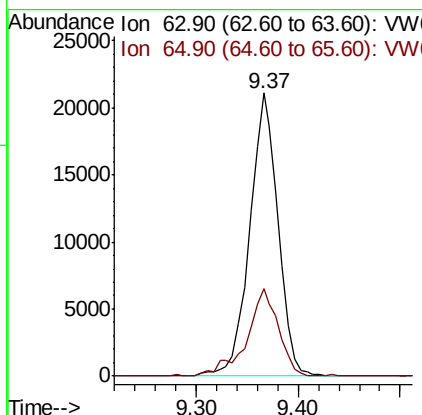
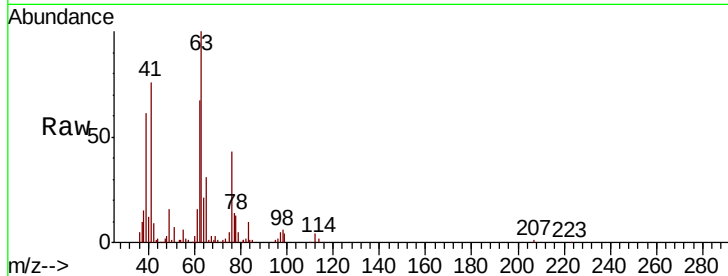




#45
 1,2-Dichloropropane
 Concen: 9.128 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

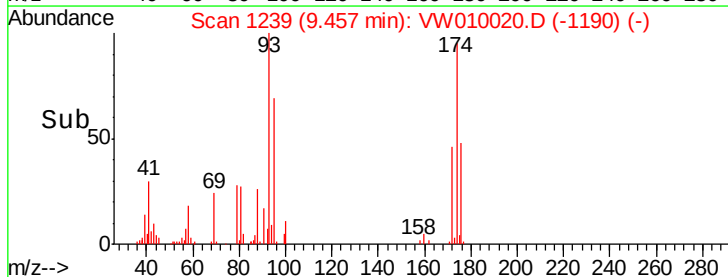
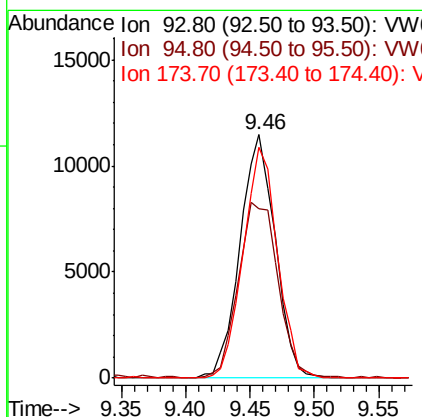
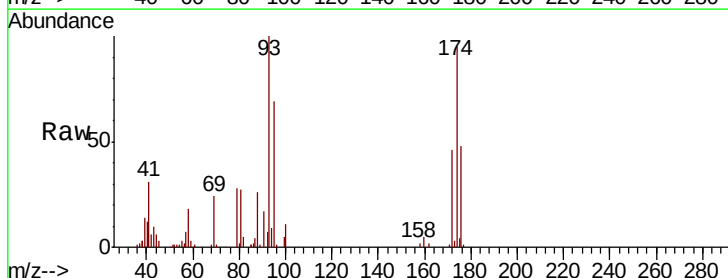
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

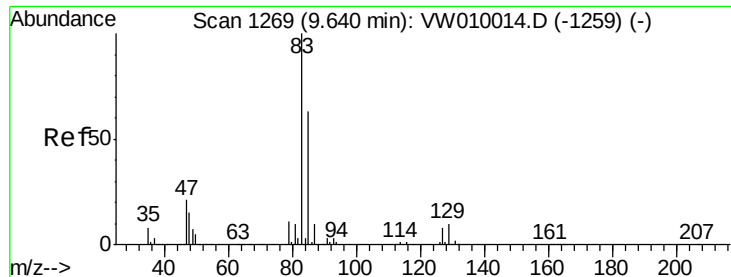
Tgt Ion: 63 Resp: 40702
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#46
 Dibromomethane
 Concen: 9.423 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 93 Resp: 21777
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.8
 174 91.8 75.5 113.3

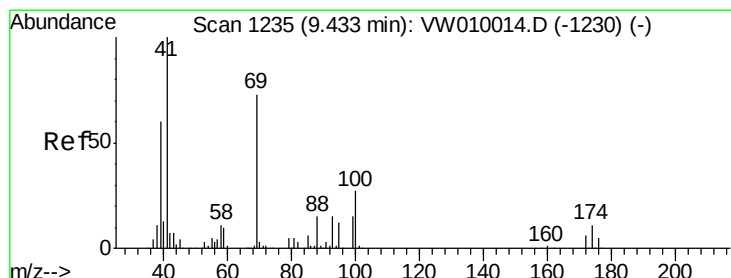
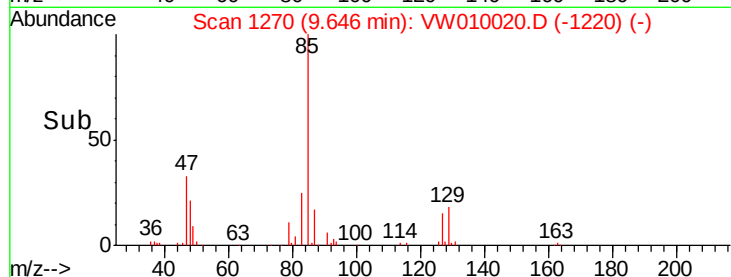
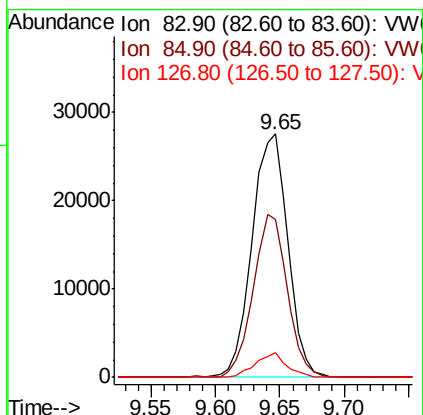
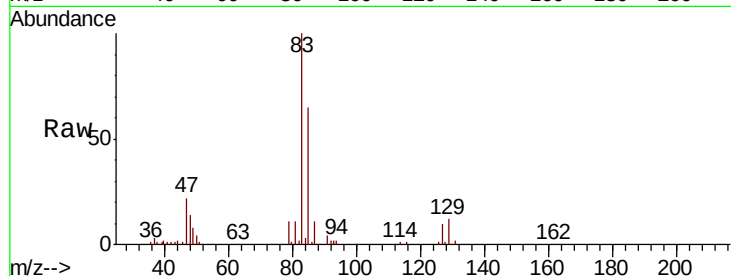




#47
Bromodichloromethane
Concen: 8.855 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

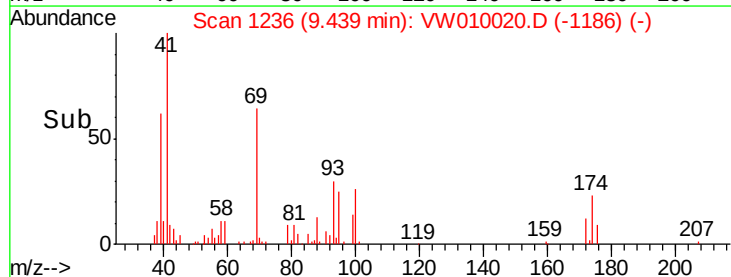
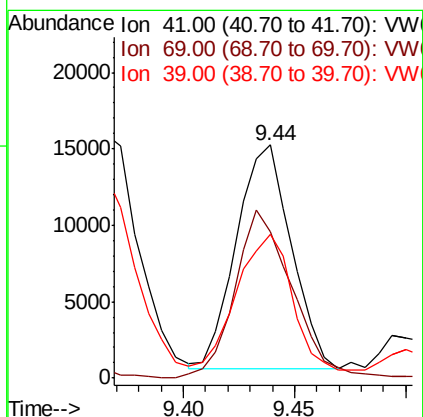
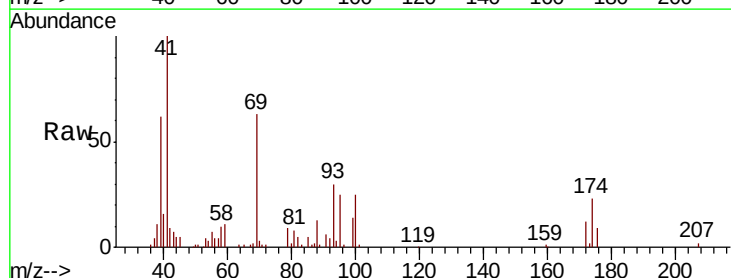
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

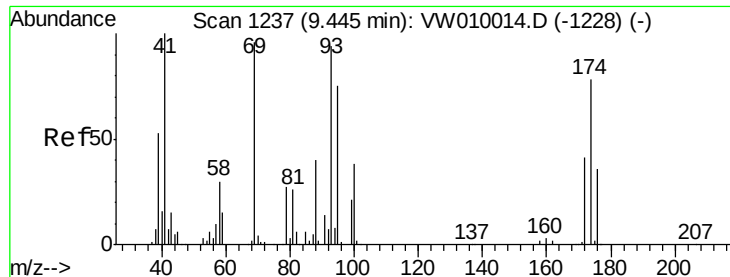
Tgt Ion: 83 Resp: 52830
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 9.9 6.6 10.0



#48
Methyl methacrylate
Concen: 8.759 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 41 Resp: 25188
Ion Ratio Lower Upper
41 100
69 78.5 60.1 90.1
39 70.3 51.0 76.6

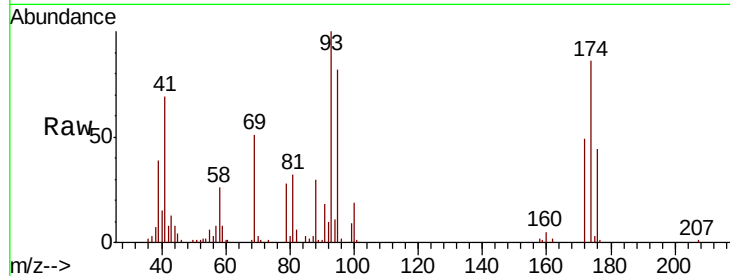




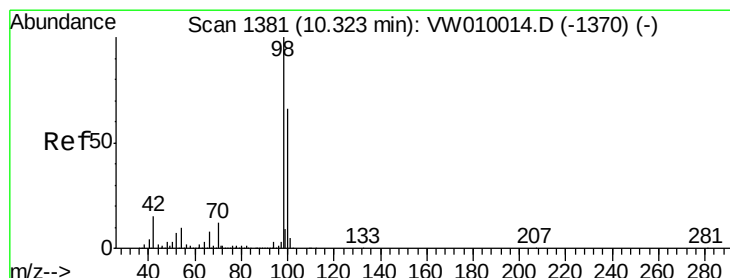
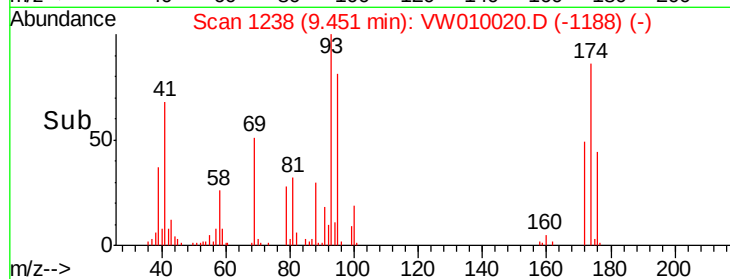
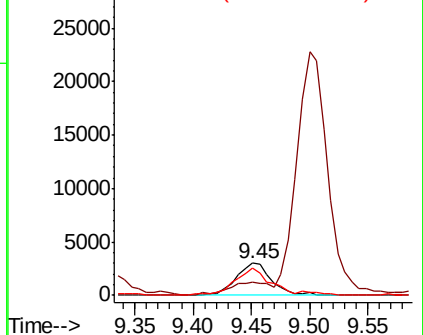
#49
1,4-Dioxane
Concen: 179.649 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 88 Resp: 6344
Ion Ratio Lower Upper
88 100
43 49.2 31.9 47.9#
58 84.0 61.8 92.6

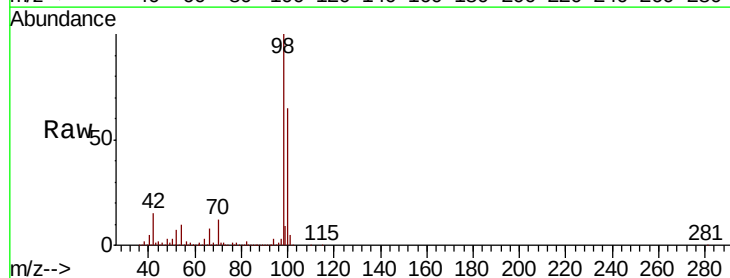


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

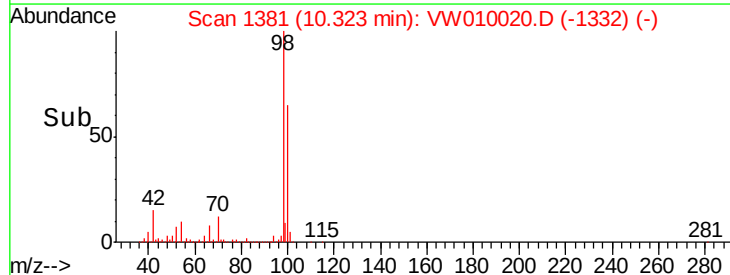
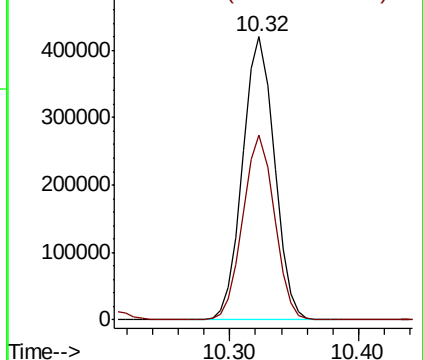


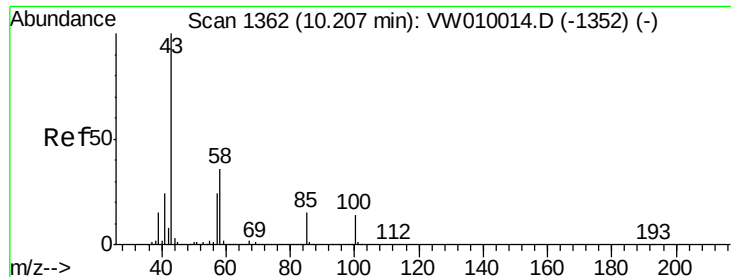
#50
Toluene-d8
Concen: 49.731 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 98 Resp: 719602
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 47.938 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

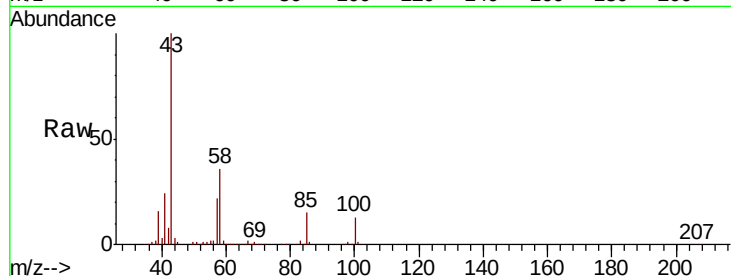
LOQ-SOIL-02-QT2-2019

Tgt Ion: 43 Resp: 148333

Ion Ratio Lower Upper

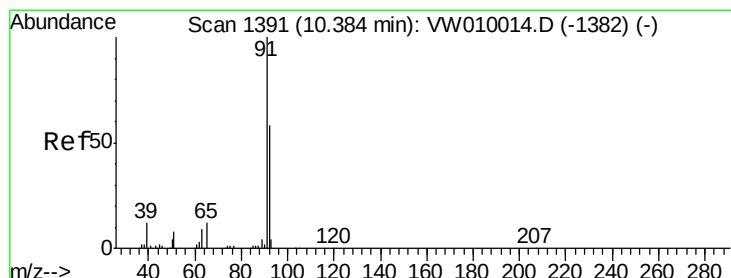
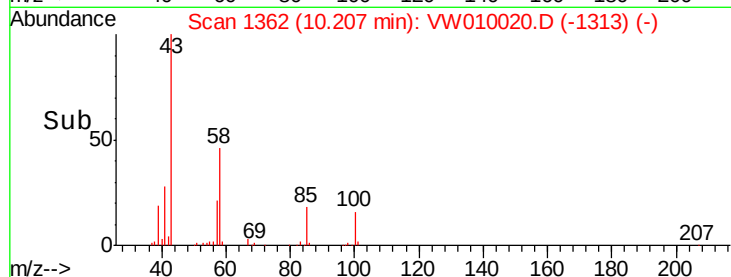
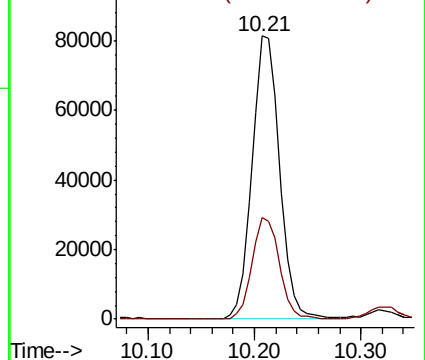
43 100

58 35.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 9.188 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010020.D

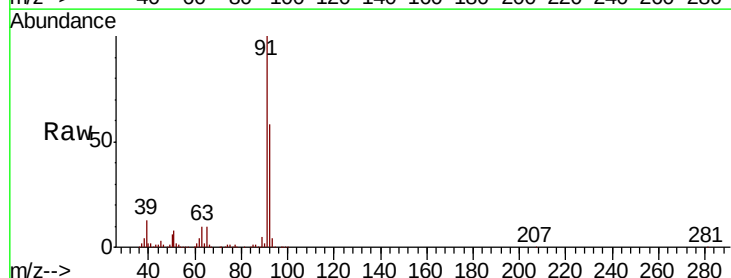
Acq: 17 Apr 2019 17:07

Tgt Ion: 92 Resp: 97096

Ion Ratio Lower Upper

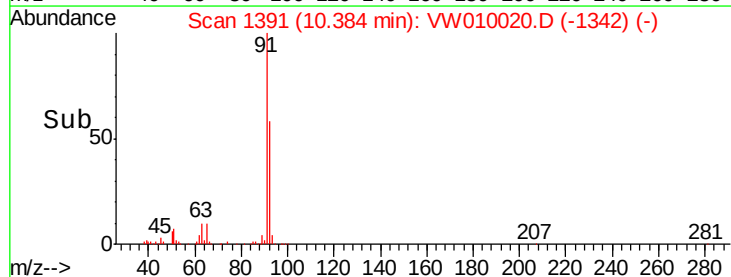
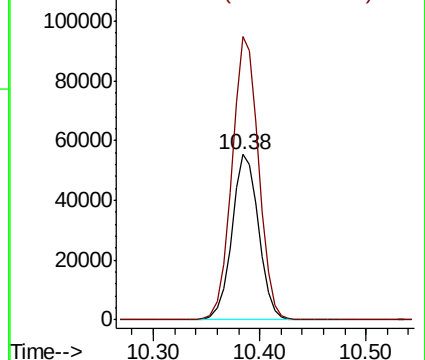
92 100

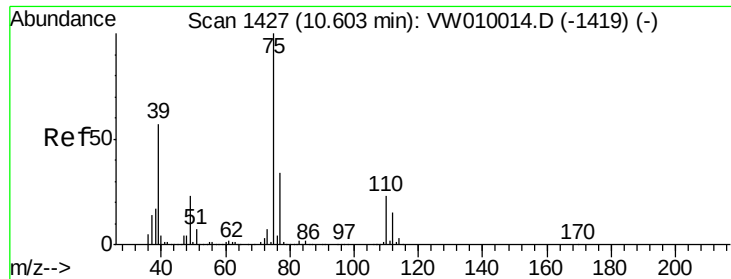
91 171.1 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 8.990 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

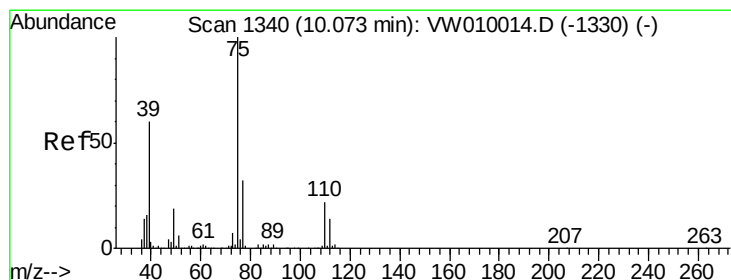
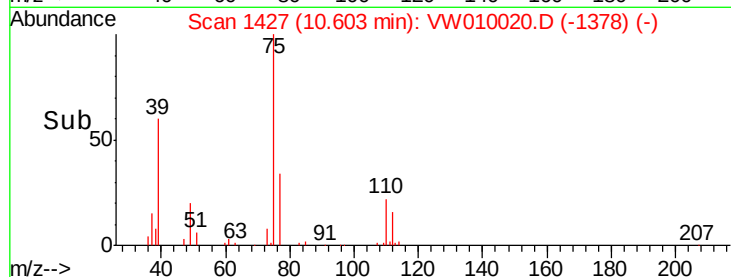
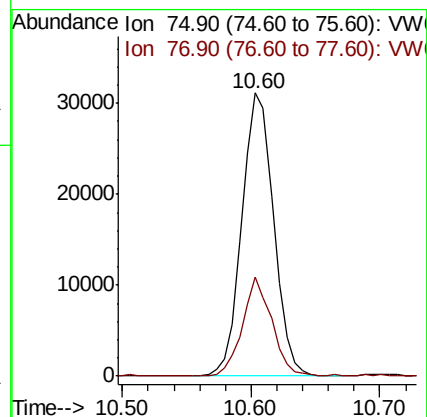
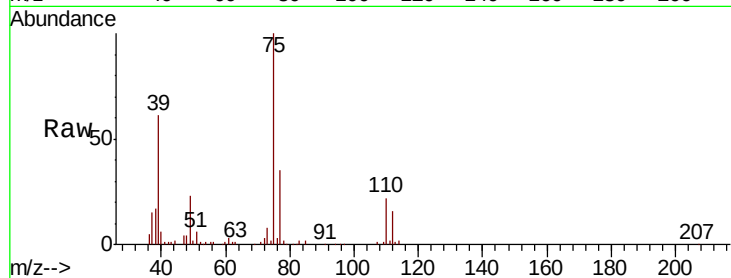
LOQ-SOIL-02-QT2-2019

Tgt Ion: 75 Resp: 53176

Ion Ratio Lower Upper

75 100

77 34.9 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 8.668 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

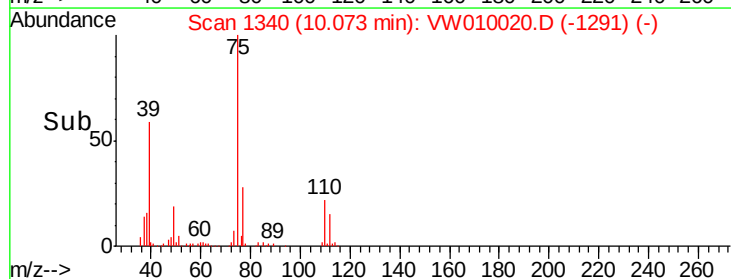
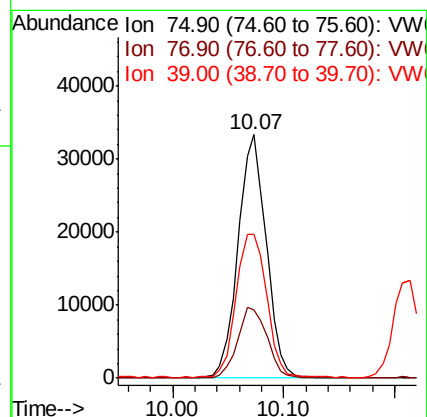
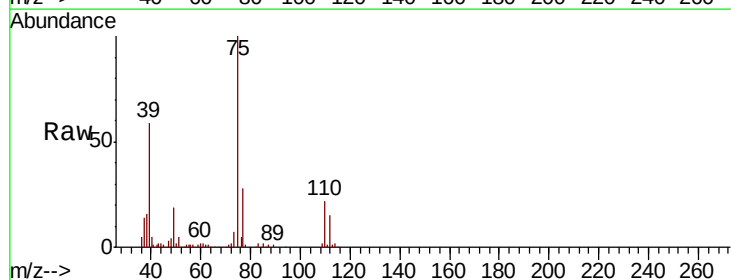
Tgt Ion: 75 Resp: 58547

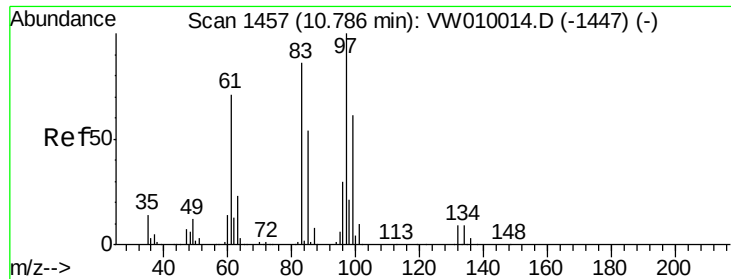
Ion Ratio Lower Upper

75 100

77 28.1 25.6 38.4

39 58.9 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 9.016 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 97 Resp: 29083

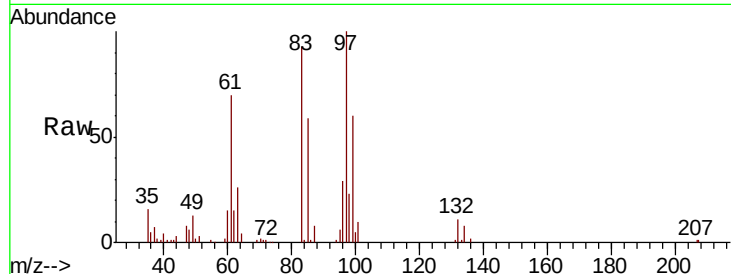
Ion Ratio Lower Upper

97 100

83 92.6 68.9 103.3

85 58.5 42.9 64.3

99 60.4 48.6 72.8



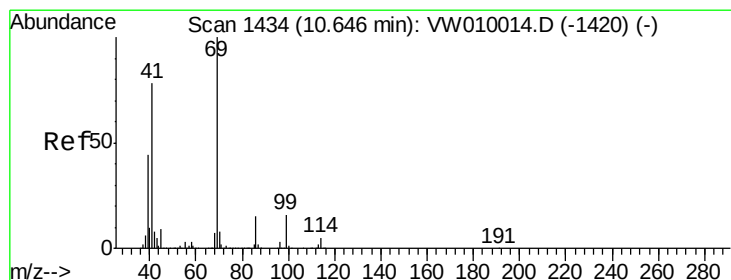
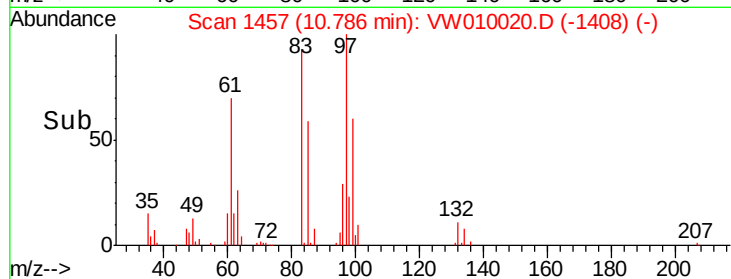
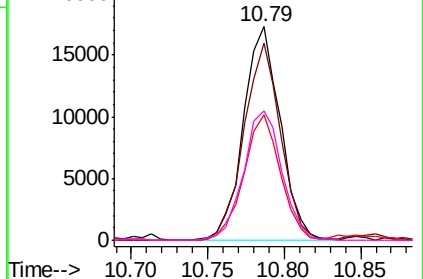
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 9.983 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

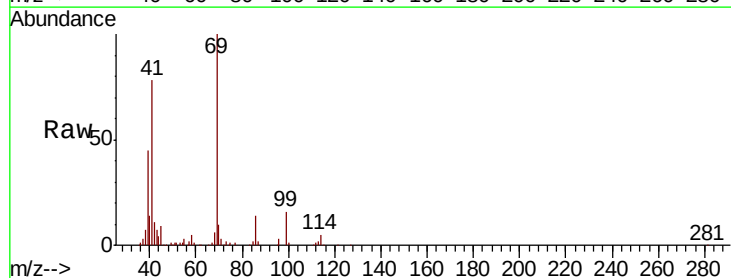
Tgt Ion: 69 Resp: 34717

Ion Ratio Lower Upper

69 100

41 75.9 61.0 91.6

39 41.3 33.8 50.6

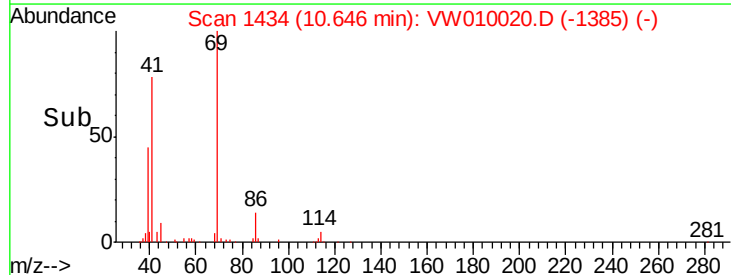
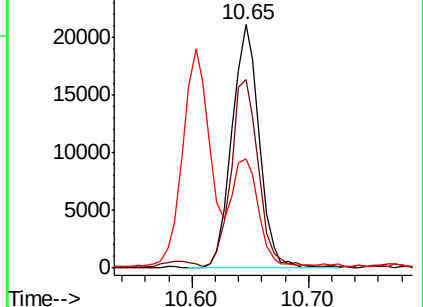


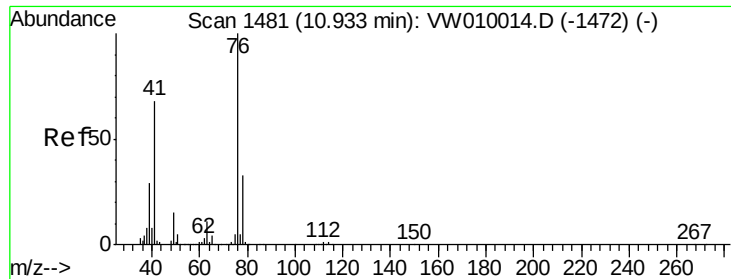
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

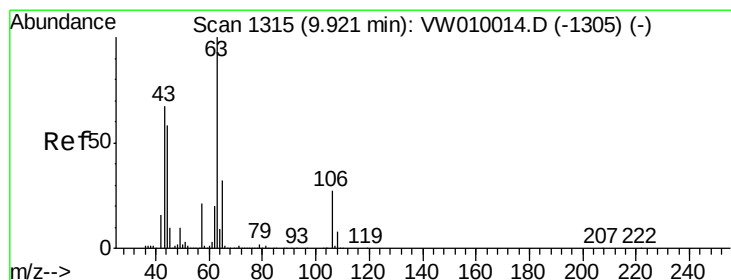
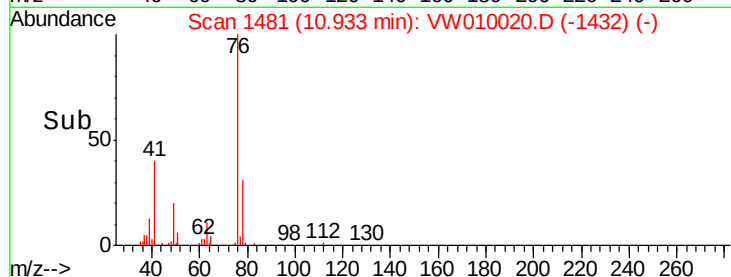
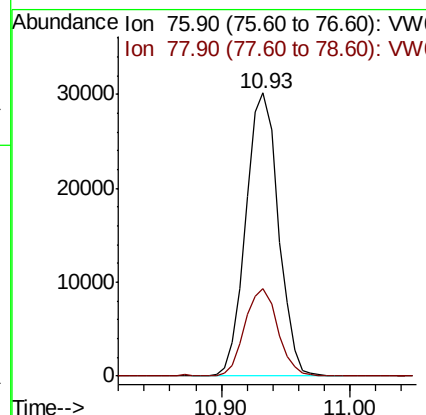
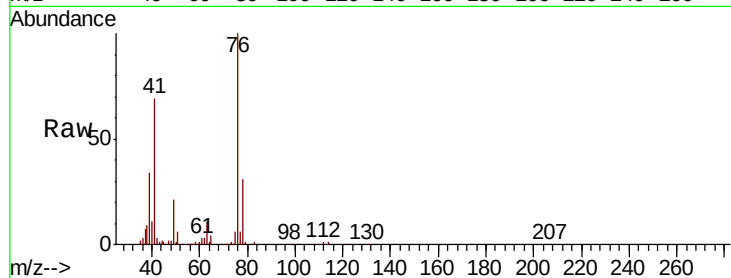




#57
 1,3-Dichloropropane
 Concen: 9.098 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

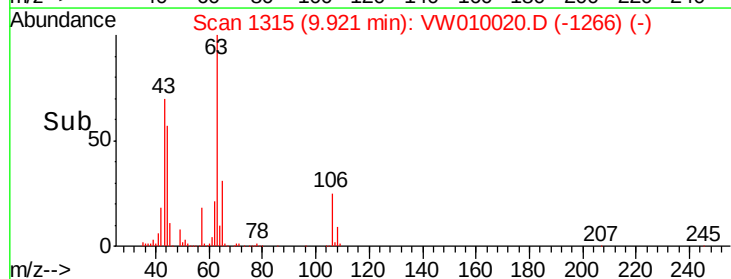
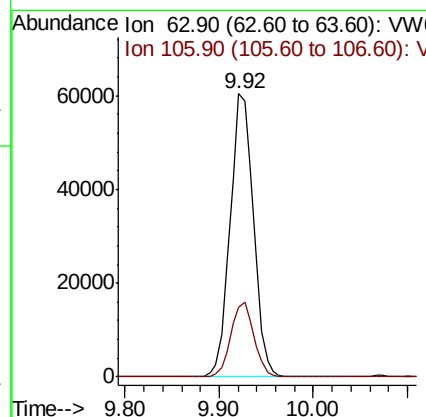
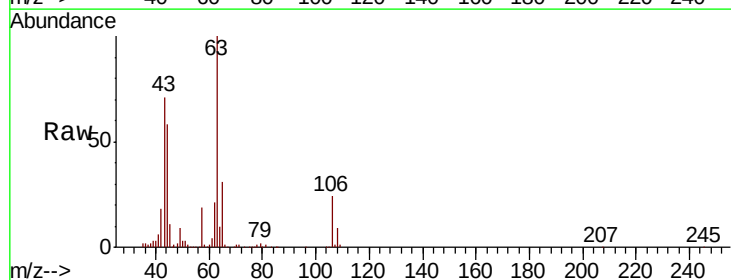
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

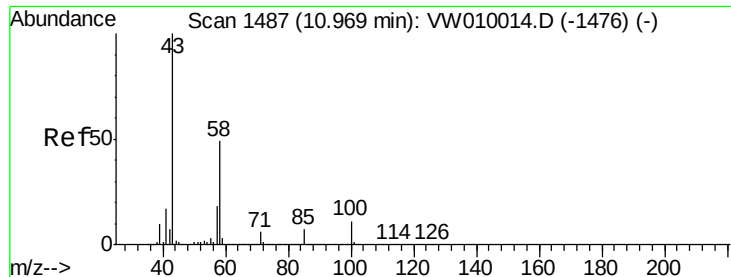
Tgt Ion: 76 Resp: 52604
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 54.045 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 63 Resp: 104171
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.4 32.0





#59

2-Hexanone

Concen: 48.140 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

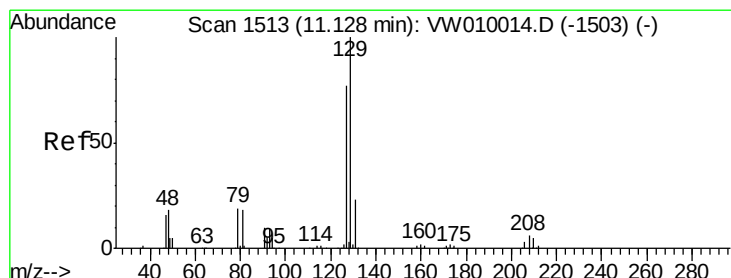
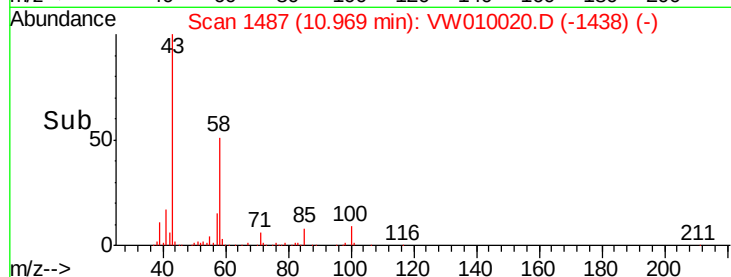
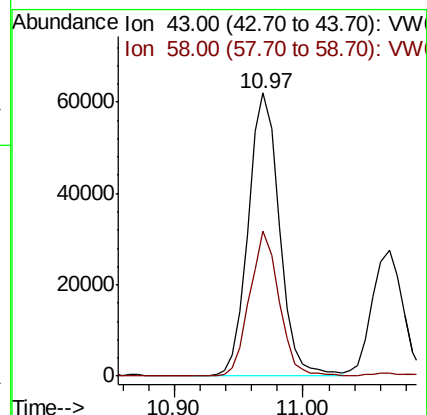
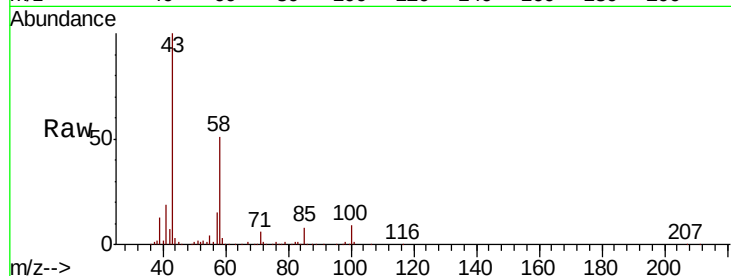
LOQ-SOIL-02-QT2-2019

Tgt Ion: 43 Resp: 103690

Ion Ratio Lower Upper

43 100

58 48.2 24.9 74.7



#60

Dibromochloromethane

Concen: 8.754 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010020.D

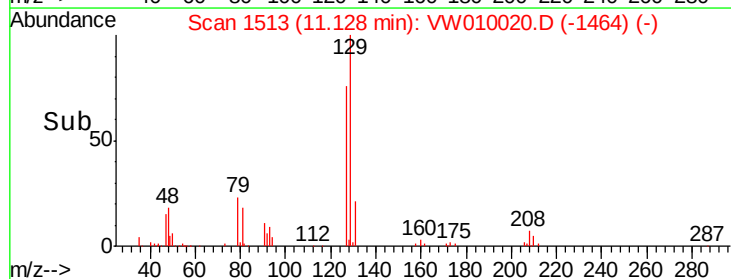
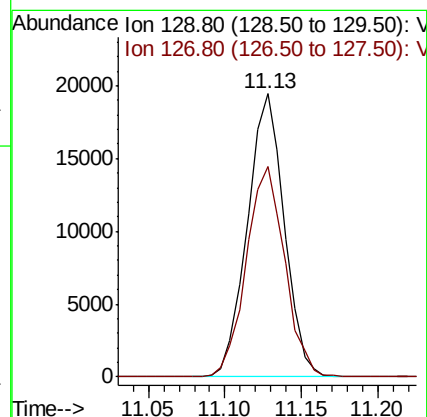
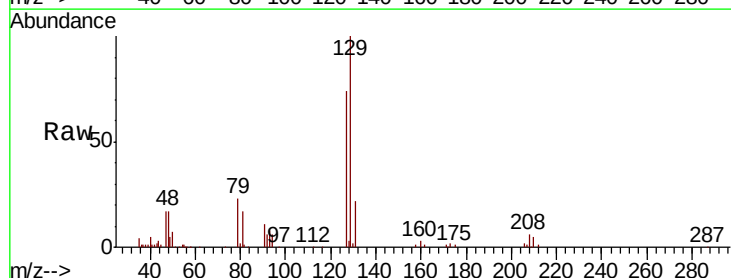
Acq: 17 Apr 2019 17:07

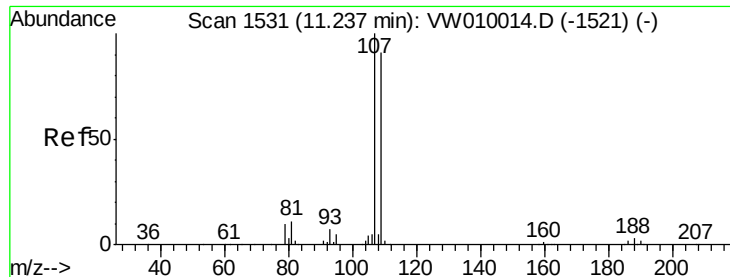
Tgt Ion: 129 Resp: 32638

Ion Ratio Lower Upper

129 100

127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 9.227 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

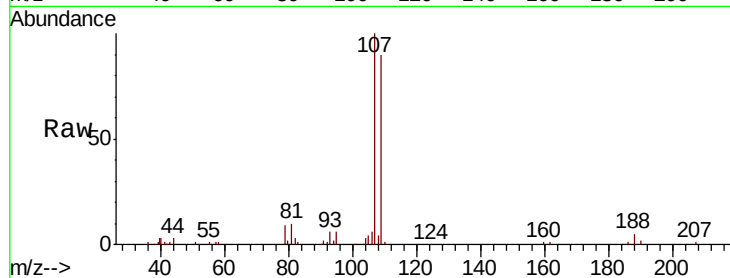
LOQ-SOIL-02-QT2-2019

Tgt Ion: 107 Resp: 28314

Ion Ratio Lower Upper

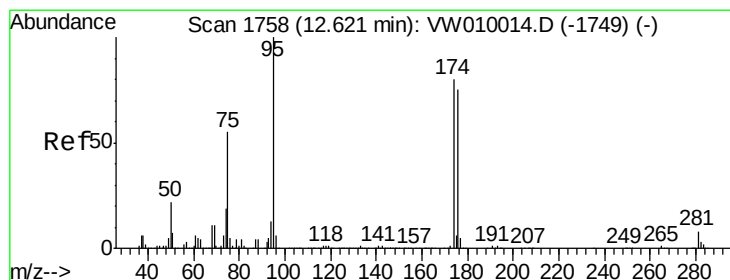
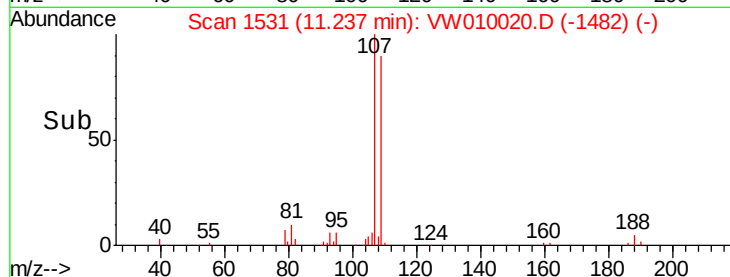
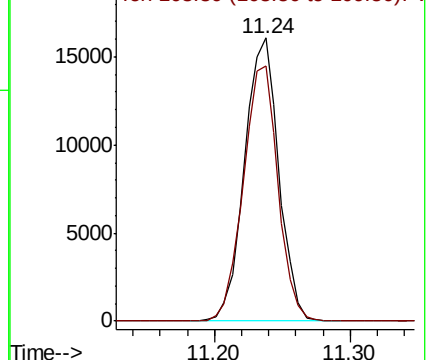
107 100

109 91.3 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.665 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

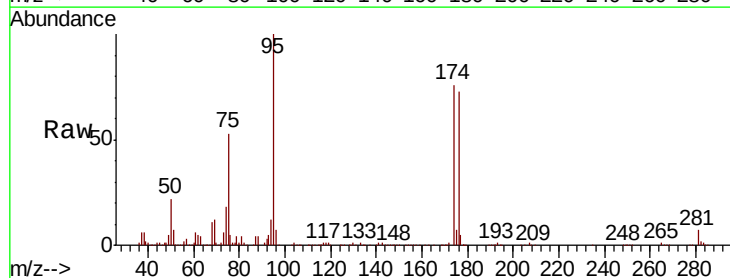
Tgt Ion: 95 Resp: 255963

Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.4

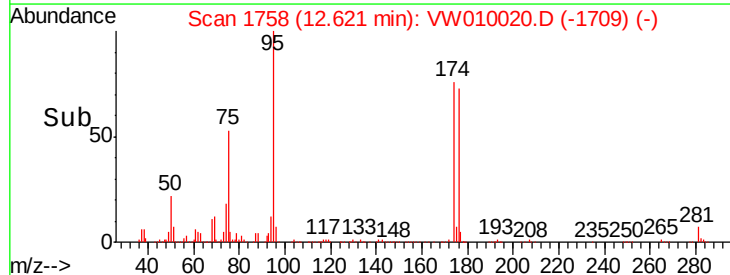
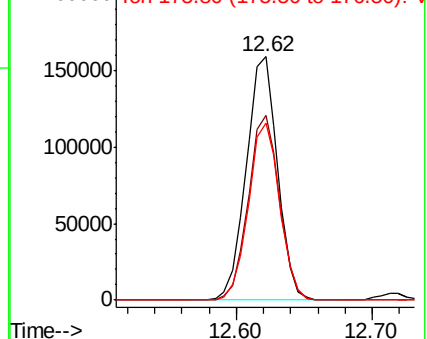
176 72.7 0.0 146.2

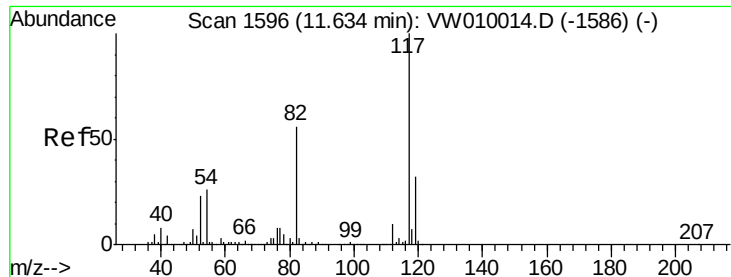


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

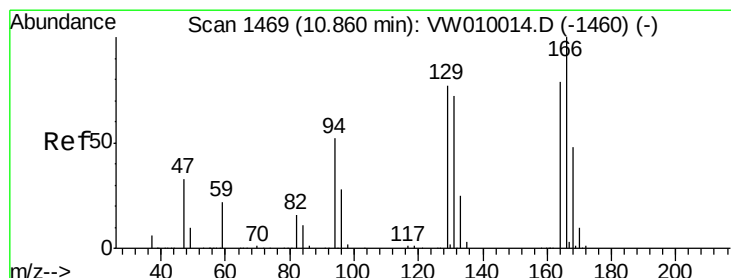
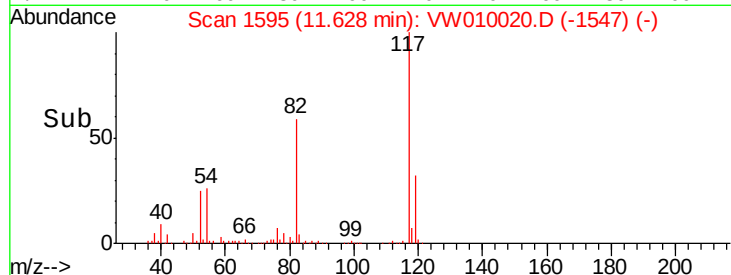
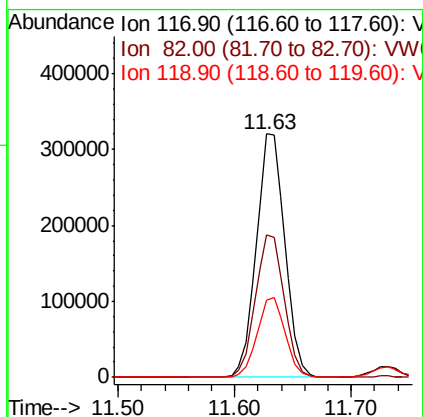
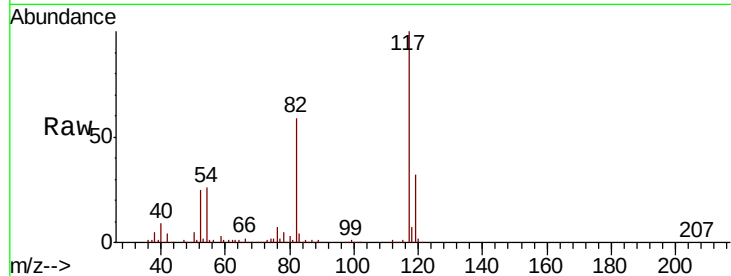




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

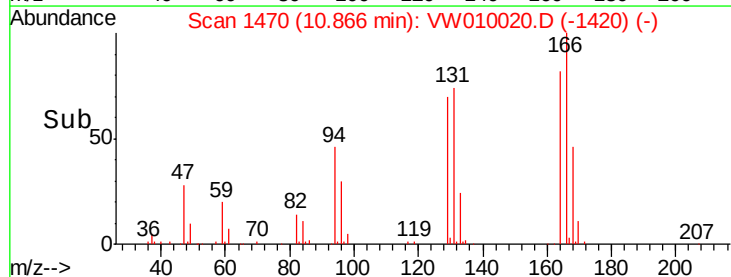
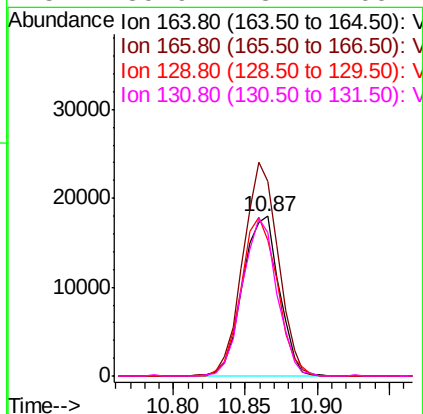
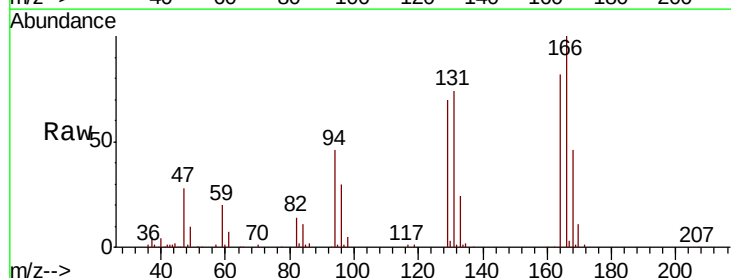
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

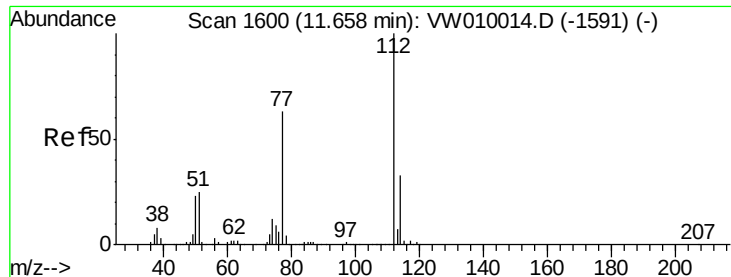
Tgt Ion:117 Resp: 547353
Ion Ratio Lower Upper
117 100
82 58.6 45.2 67.8
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 8.873 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion:164 Resp: 31528
Ion Ratio Lower Upper
164 100
166 122.3 101.2 151.8
129 85.4 77.8 116.6
131 89.9 73.1 109.7

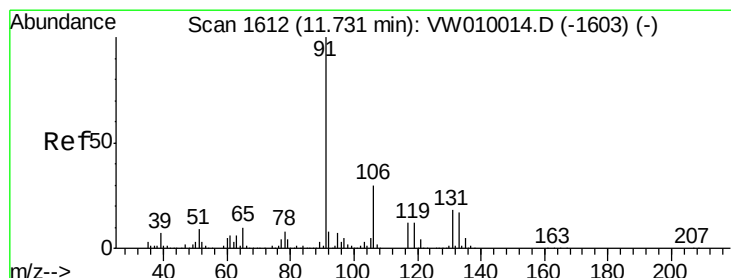
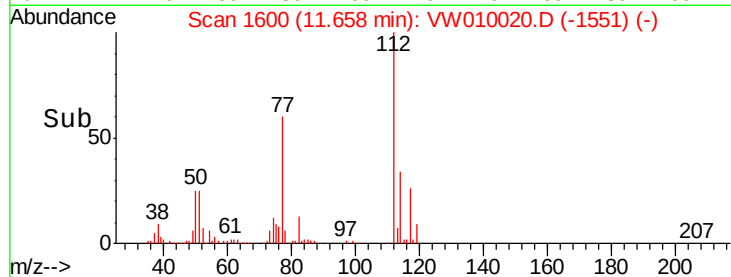
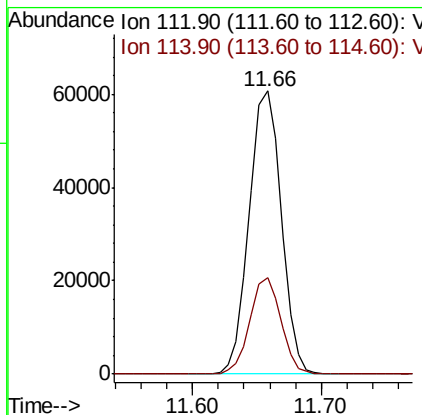
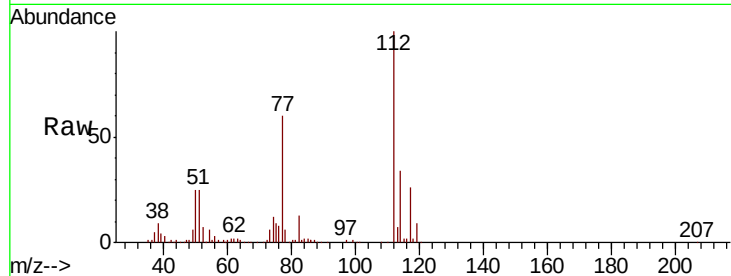




#65
Chlorobenzene
Concen: 9.361 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

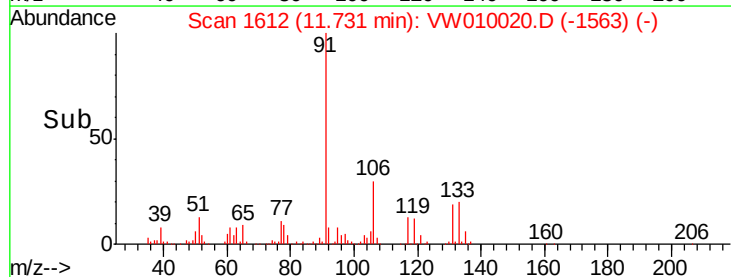
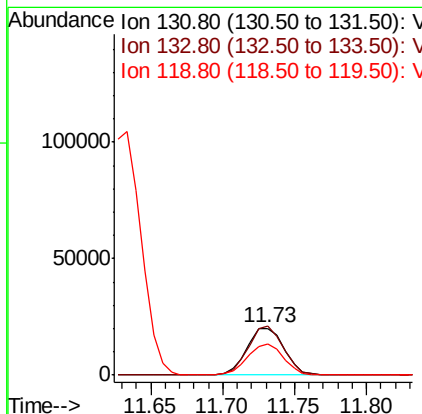
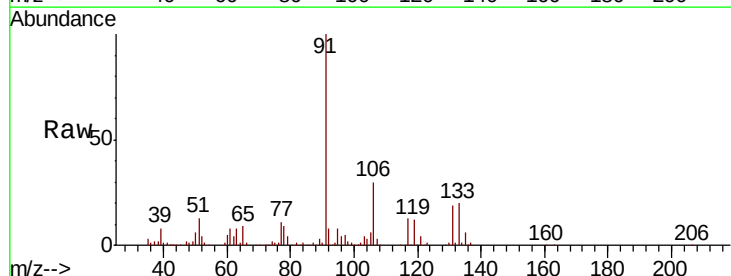
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

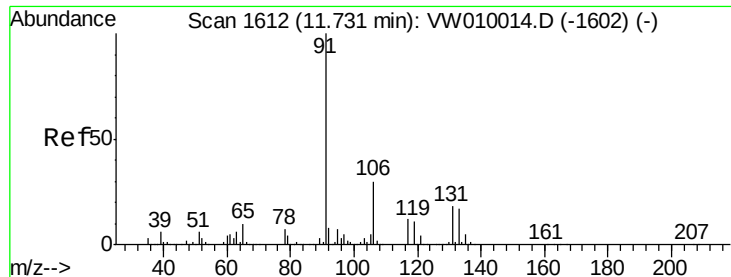
Tgt Ion:112 Resp: 104874
Ion Ratio Lower Upper
112 100
114 33.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 9.104 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion:131 Resp: 36473
Ion Ratio Lower Upper
131 100
133 98.3 46.5 139.5
119 64.3 31.9 95.5

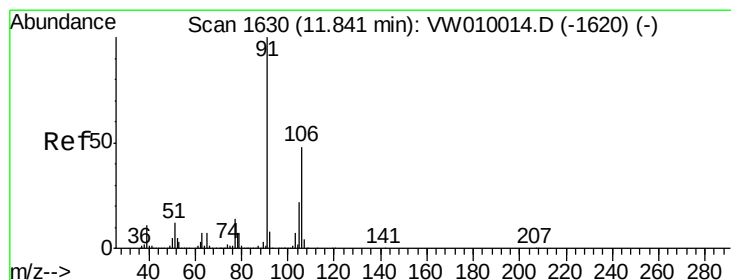
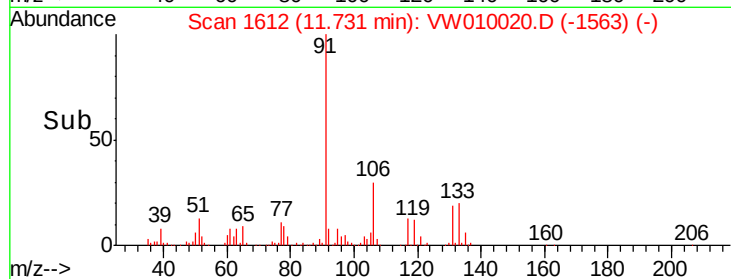
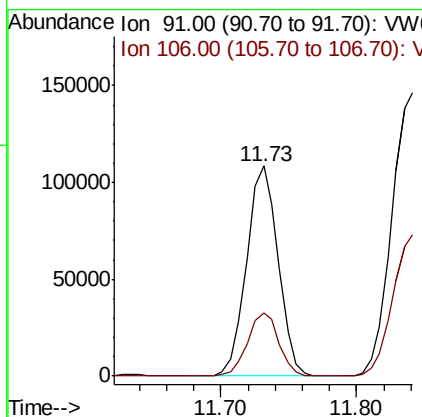
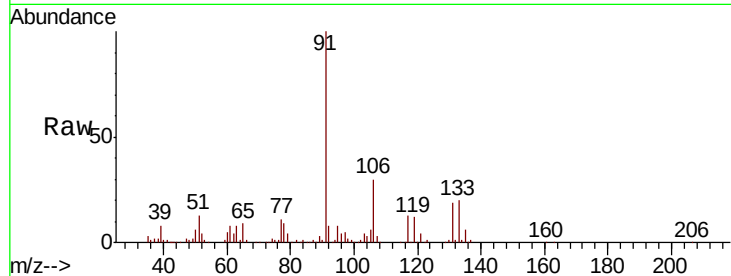




#67
Ethyl Benzene
Concen: 8.837 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

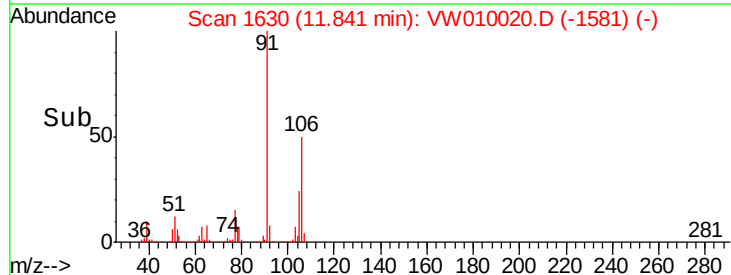
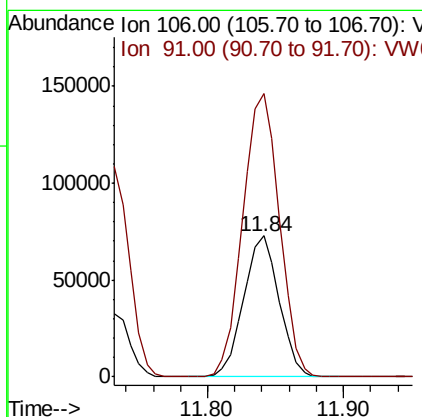
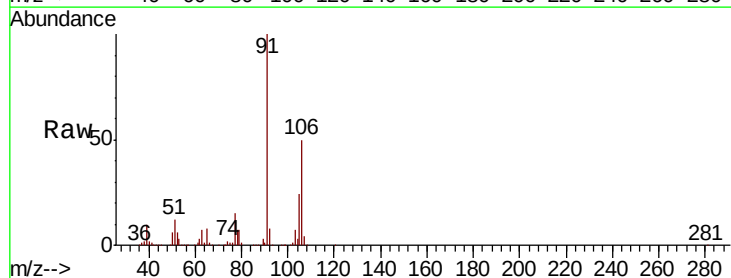
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

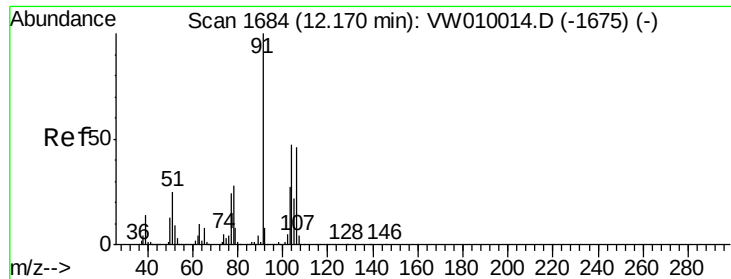
Tgt Ion: 91 Resp: 176636
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 17.839 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion: 106 Resp: 133282
Ion Ratio Lower Upper
106 100
91 206.9 165.0 247.6

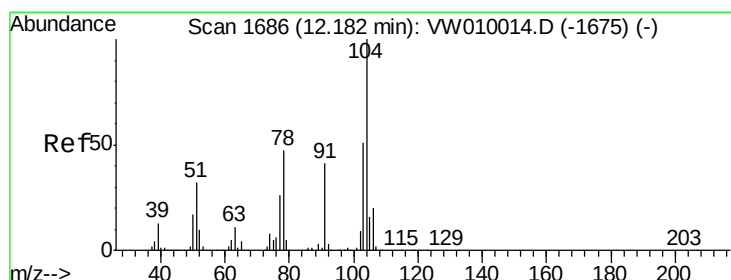
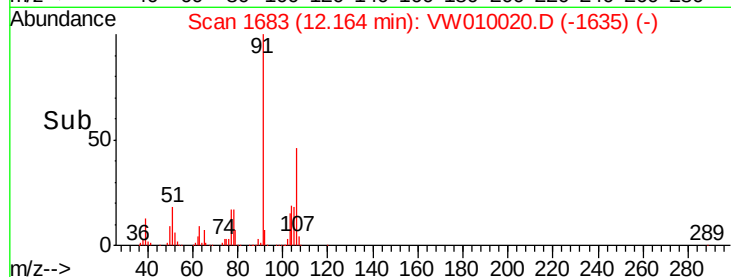
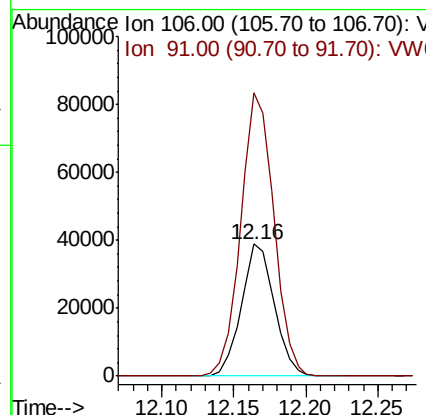
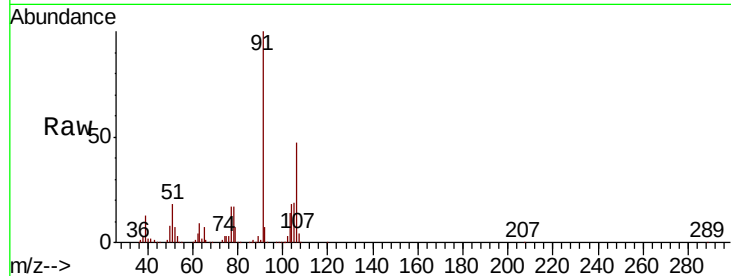




#69
o-Xylene
Concen: 9.069 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

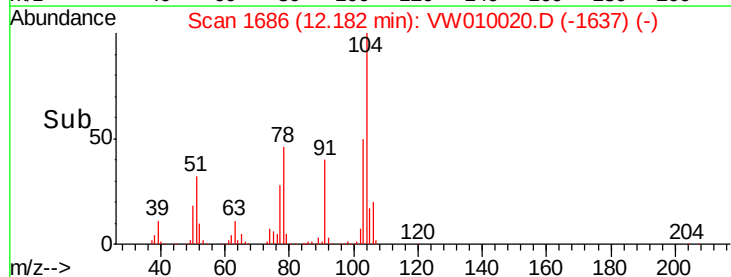
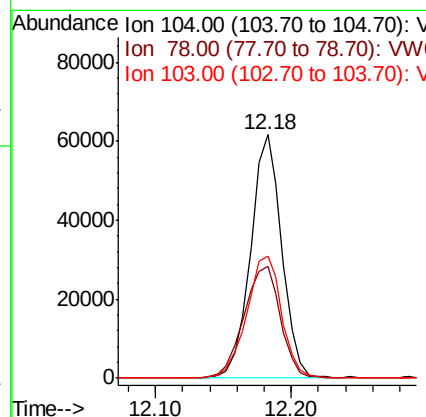
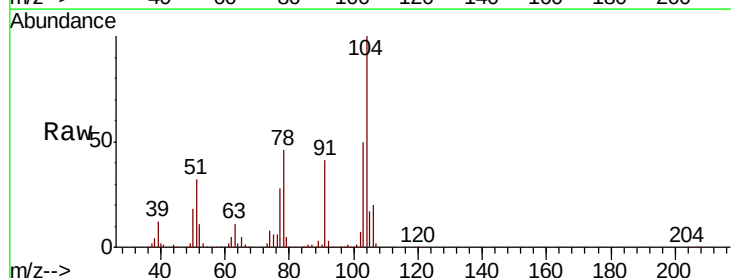
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

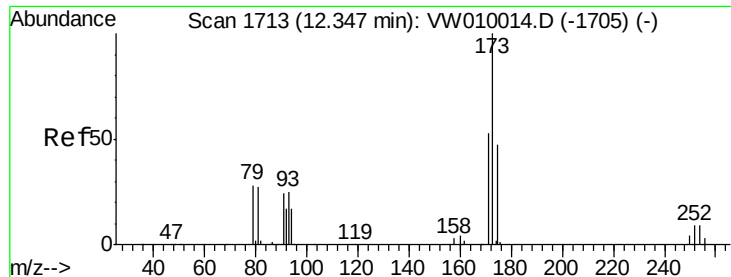
Tgt Ion:106 Resp: 61700
Ion Ratio Lower Upper
106 100
91 215.9 110.5 331.4



#70
Styrene
Concen: 8.415 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion:104 Resp: 98705
Ion Ratio Lower Upper
104 100
78 54.2 42.5 63.7
103 56.4 43.6 65.4





#71

Bromoform

Concen: 9.288 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

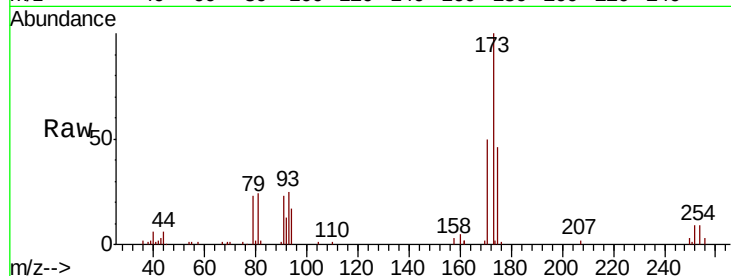
Tgt Ion:173 Resp: 19676

Ion Ratio Lower Upper

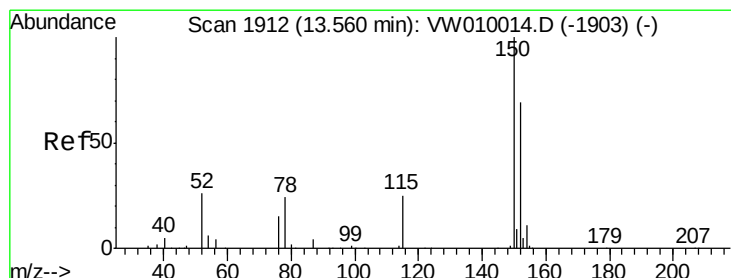
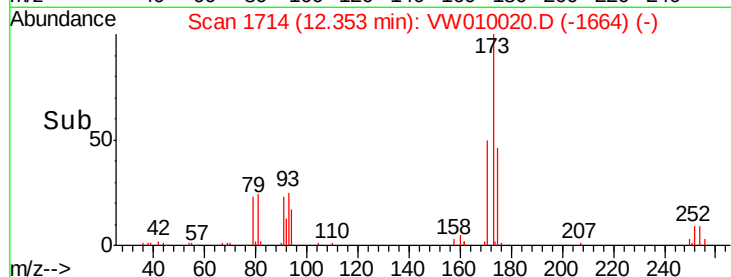
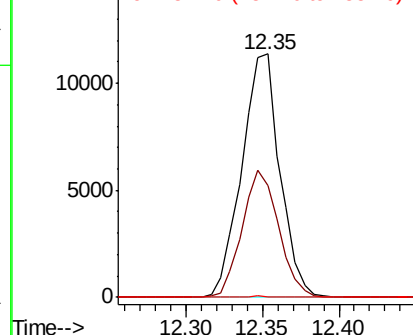
173 100

175 49.9 23.8 71.4

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

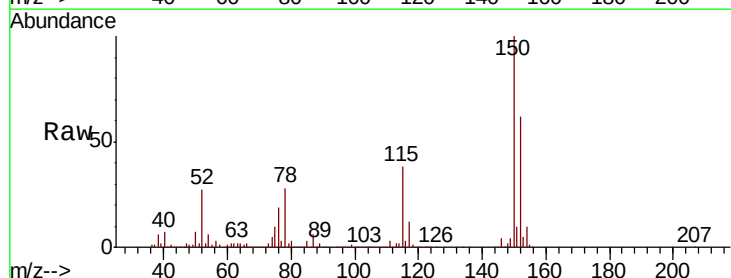
Tgt Ion:152 Resp: 279230

Ion Ratio Lower Upper

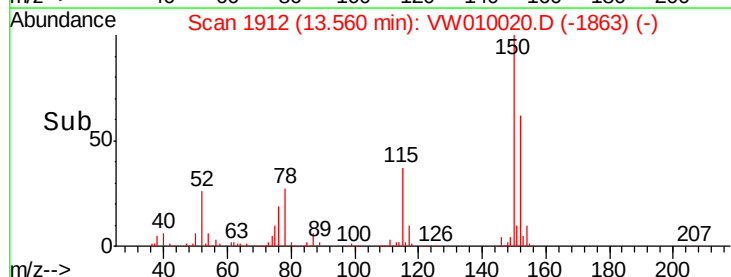
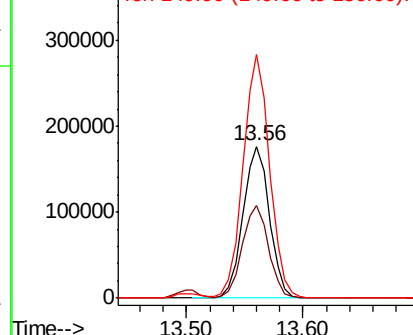
152 100

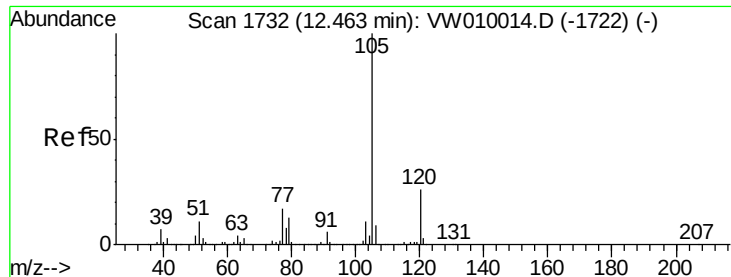
115 60.7 30.4 91.2

150 160.7 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.808 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

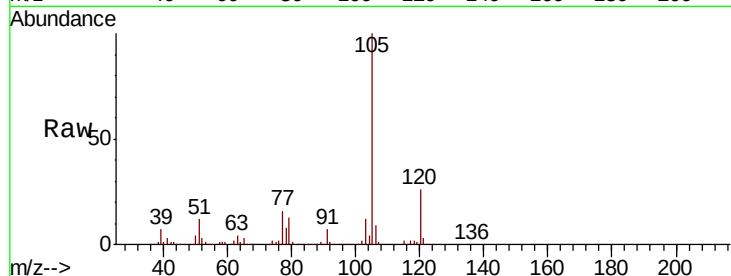
LOQ-SOIL-02-QT2-2019

Tgt Ion: 105 Resp: 171173

Ion Ratio Lower Upper

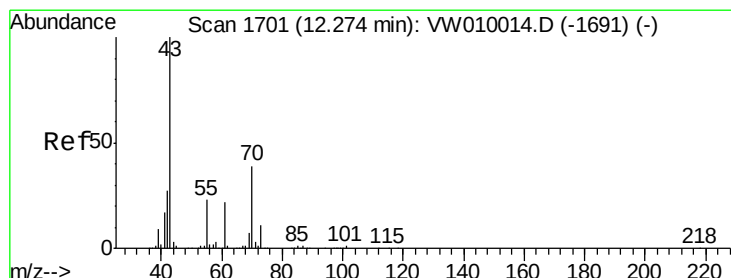
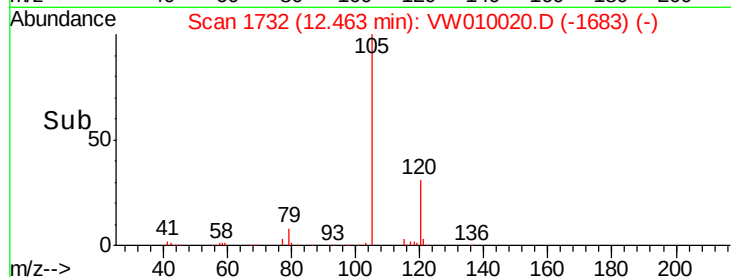
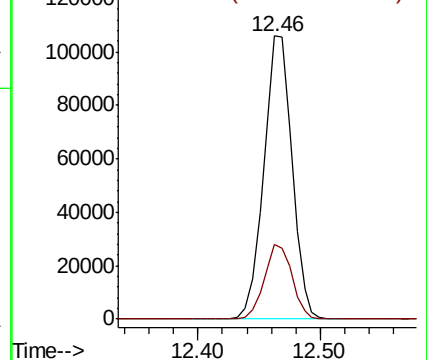
105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.896 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Tgt Ion: 43 Resp: 47875

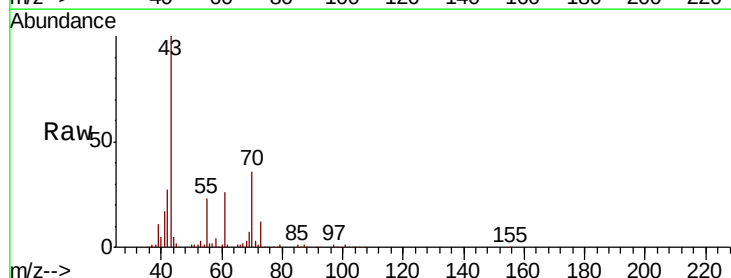
Ion Ratio Lower Upper

43 100

70 38.1 31.3 46.9

55 24.9 20.0 30.0

61 22.7 17.8 26.8

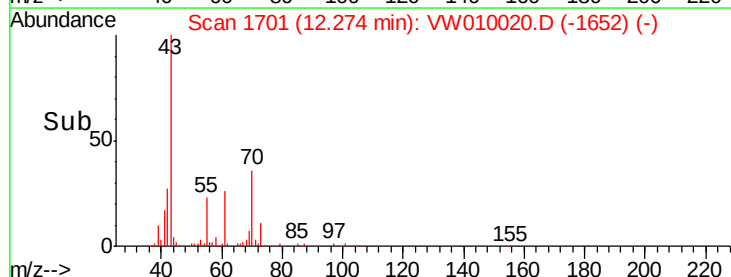
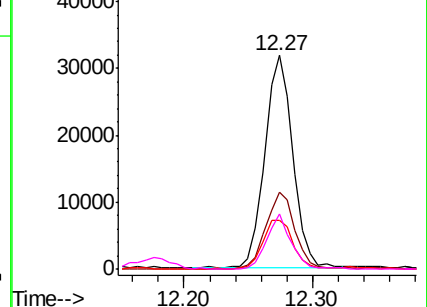


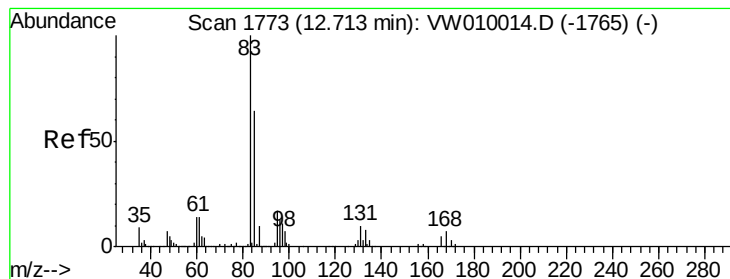
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 9.853 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

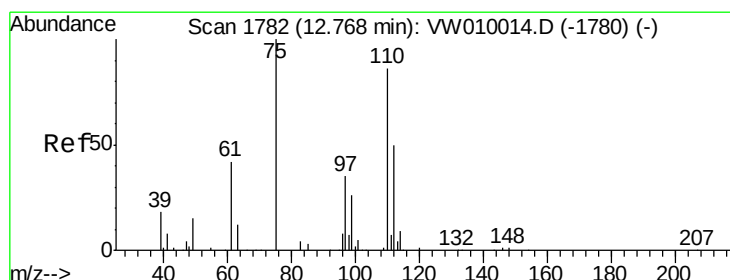
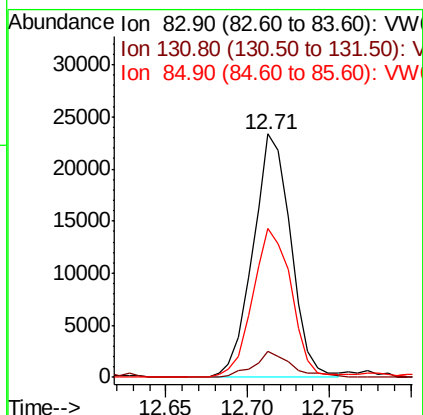
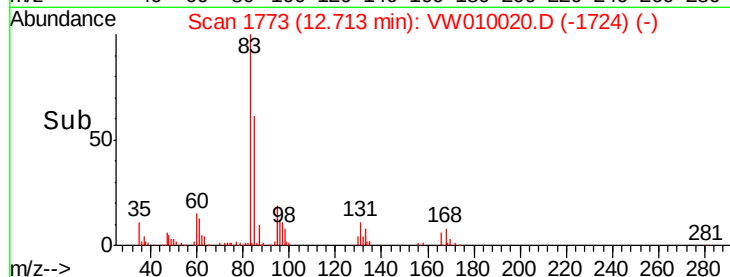
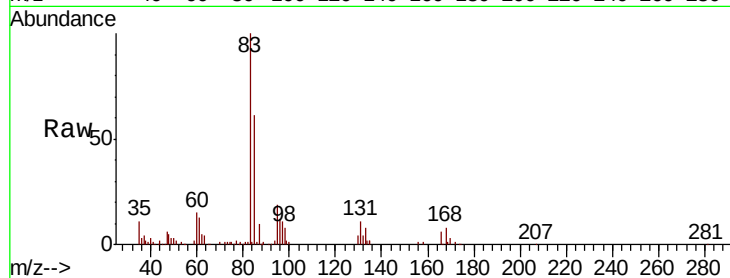
Tgt Ion: 83 Resp: 37831

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

85 62.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 17.200 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010020.D

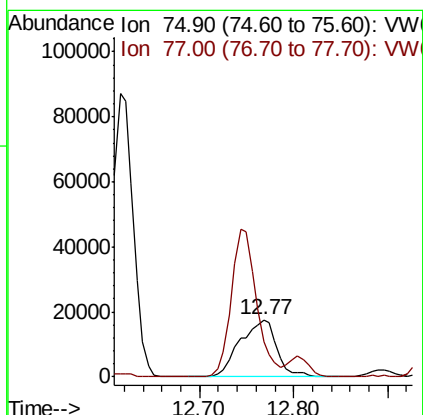
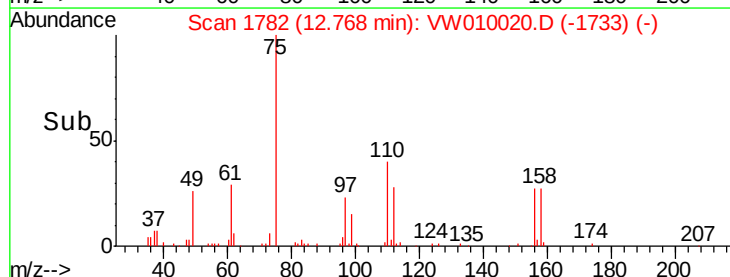
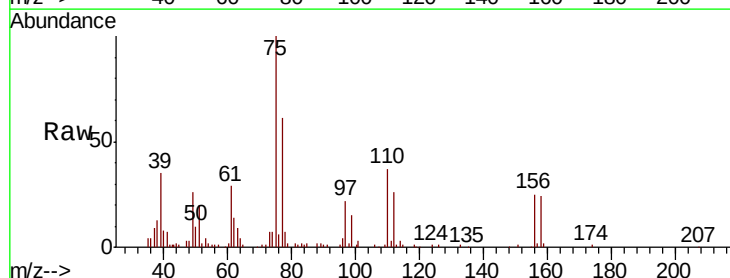
Acq: 17 Apr 2019 17:07

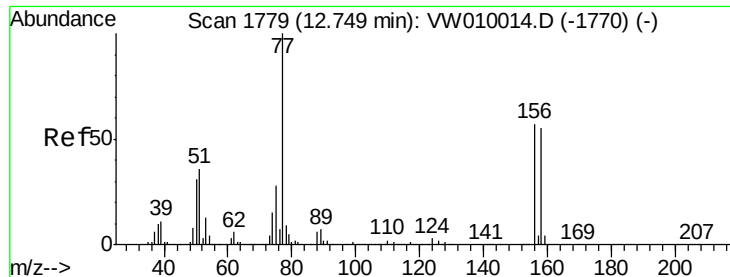
Tgt Ion: 75 Resp: 48067

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 9.295 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

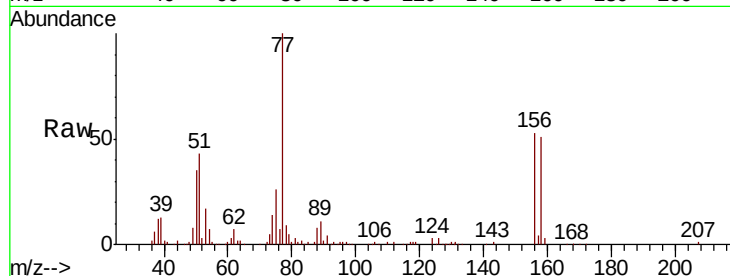
Tgt Ion:156 Resp: 41542

Ion Ratio Lower Upper

156 100

77 205.3 102.5 307.4

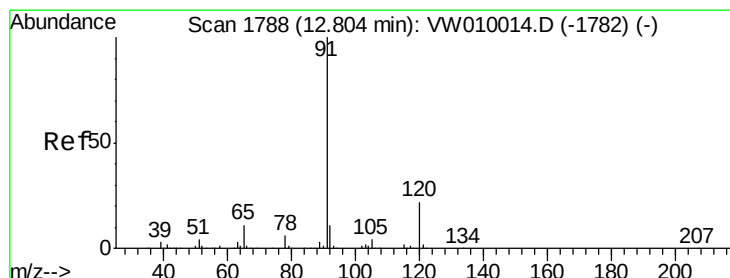
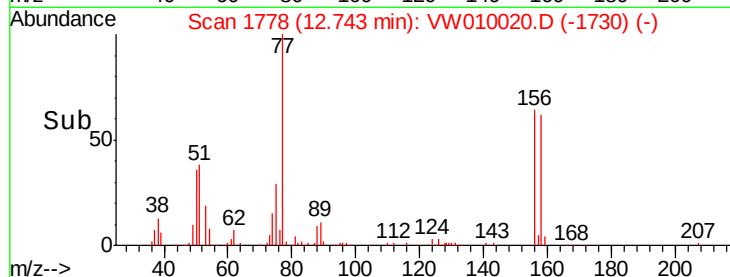
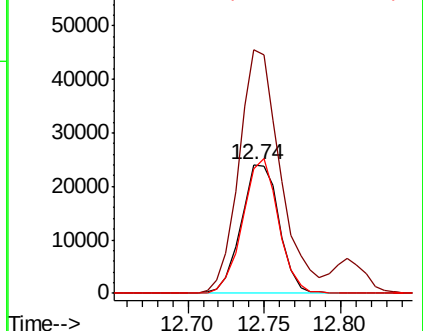
158 97.8 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.126 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010020.D

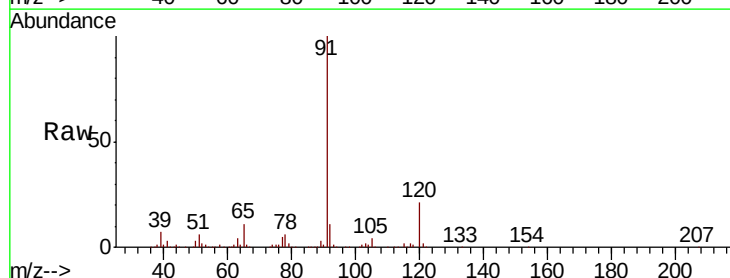
Acq: 17 Apr 2019 17:07

Tgt Ion: 91 Resp: 219802

Ion Ratio Lower Upper

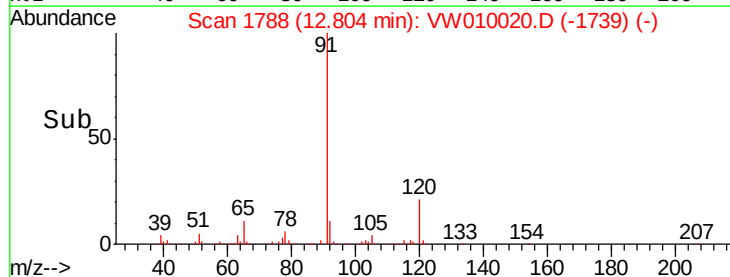
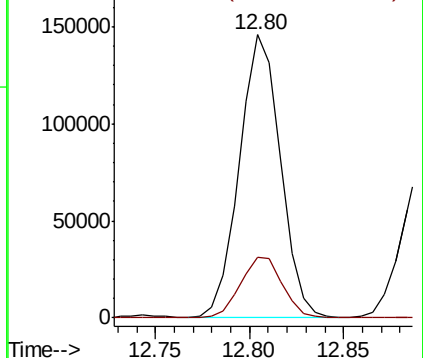
91 100

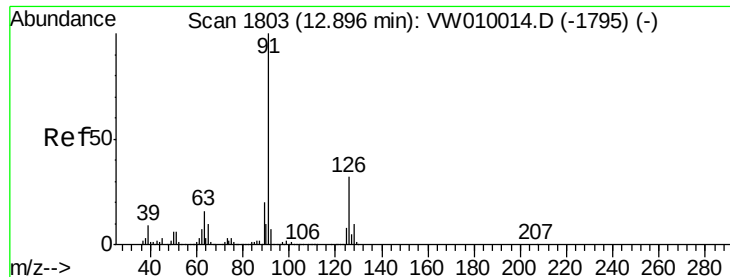
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.213 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

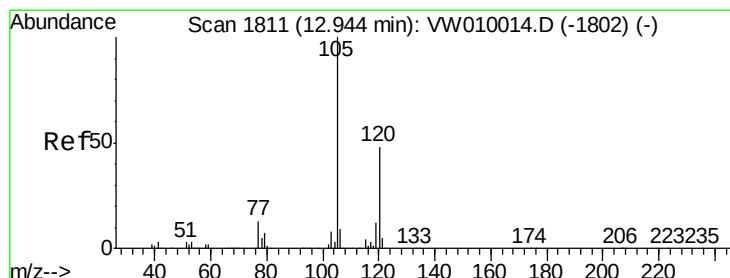
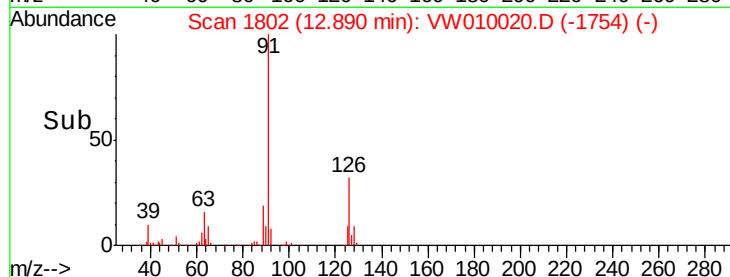
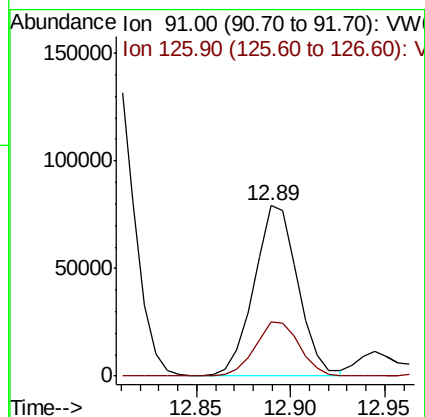
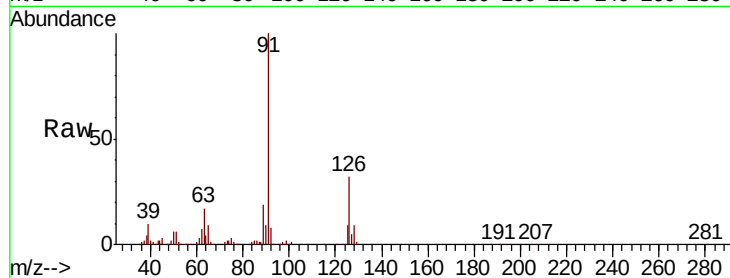
LOQ-SOIL-02-QT2-2019

Tgt Ion: 91 Resp: 127624

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 8.774 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010020.D

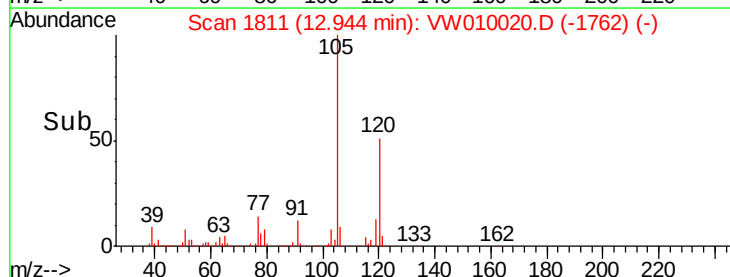
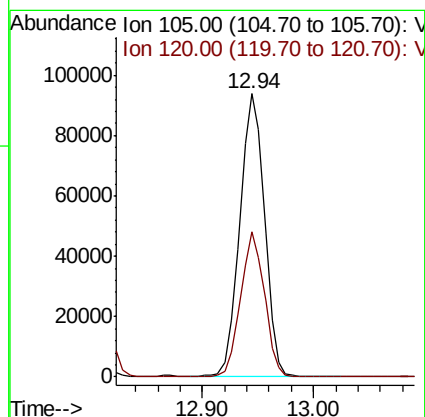
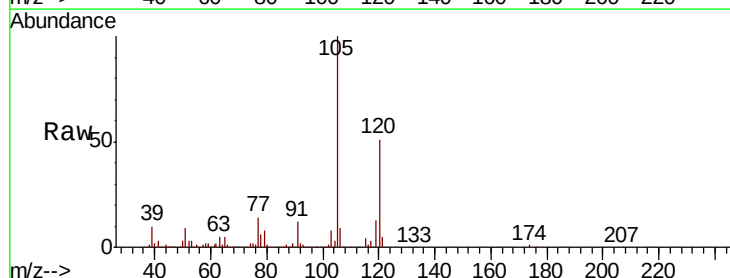
Acq: 17 Apr 2019 17:07

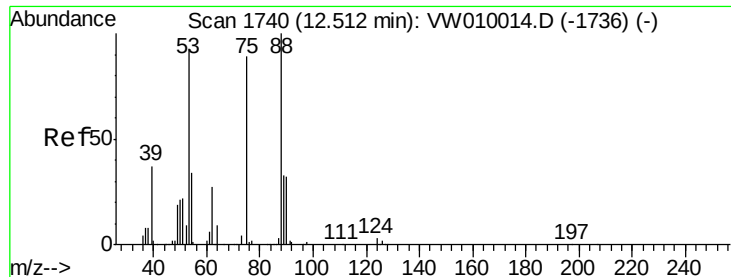
Tgt Ion: 105 Resp: 144571

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 8.632 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

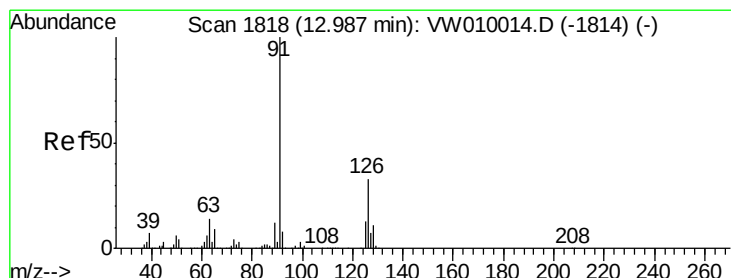
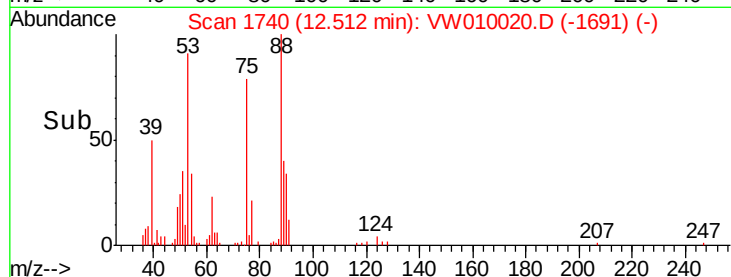
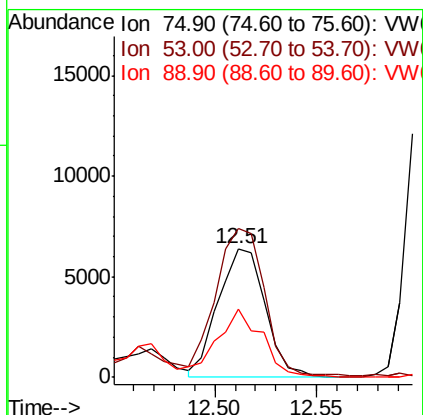
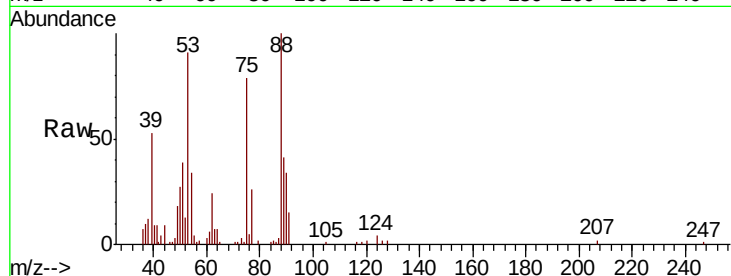
Tgt Ion: 75 Resp: 10231

Ion Ratio Lower Upper

75 100

53 117.9 89.8 134.8

89 51.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 9.170 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW010020.D

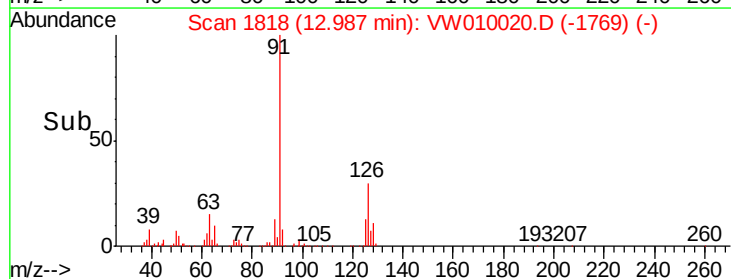
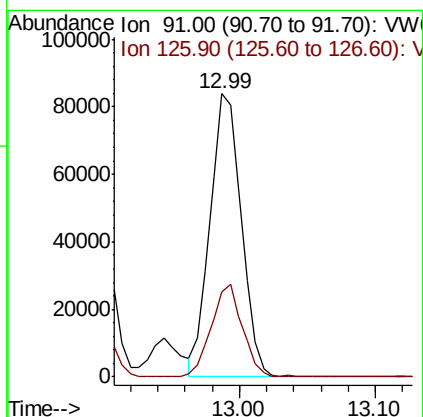
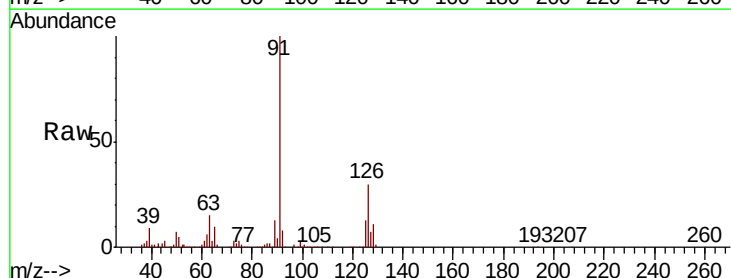
Acq: 17 Apr 2019 17:07

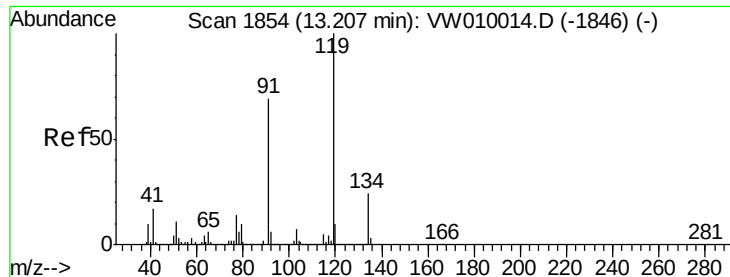
Tgt Ion: 91 Resp: 133694

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





#83

tert-Butylbenzene

Concen: 8.956 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

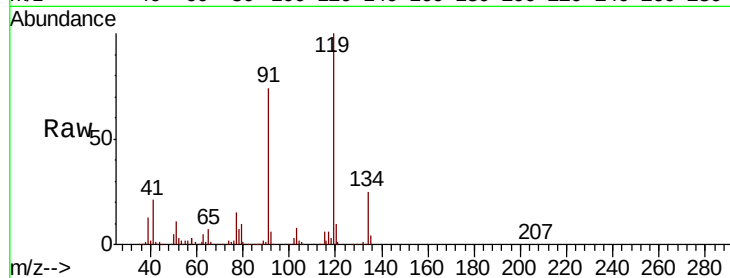
Tgt Ion:119 Resp: 122212

Ion Ratio Lower Upper

119 100

91 72.4 34.8 104.4

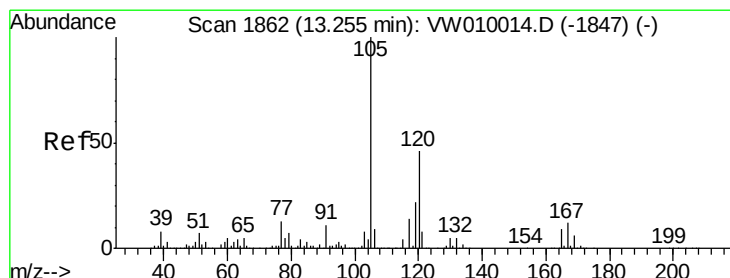
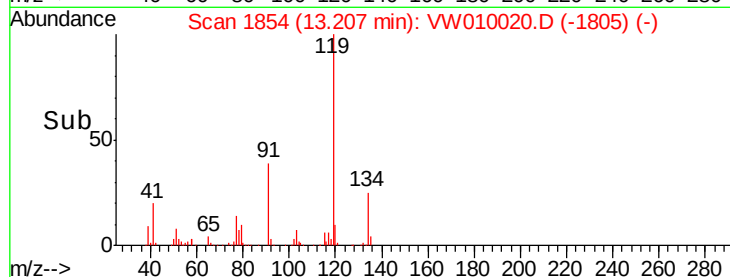
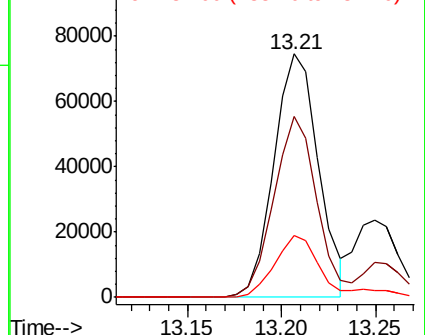
134 25.0 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.890 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010020.D

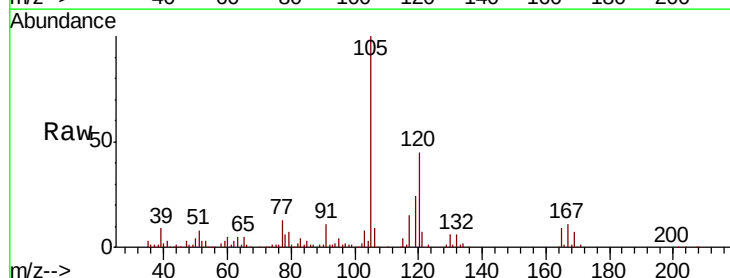
Acq: 17 Apr 2019 17:07

Tgt Ion:105 Resp: 148524

Ion Ratio Lower Upper

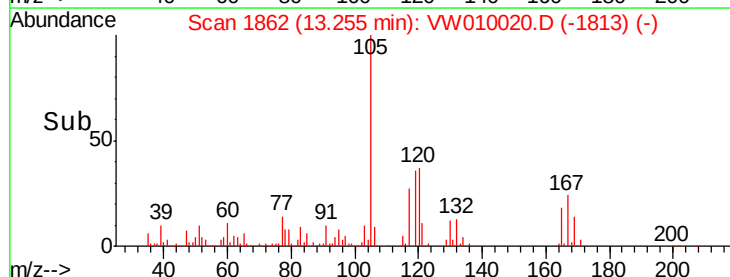
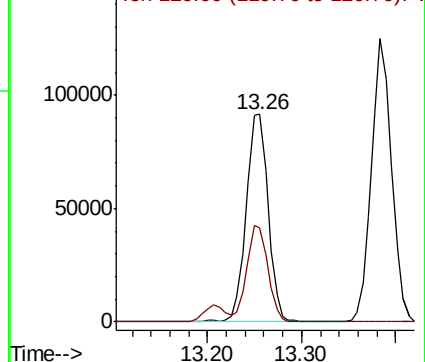
105 100

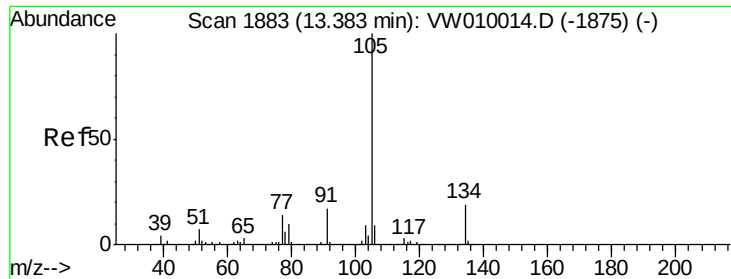
120 44.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.090 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

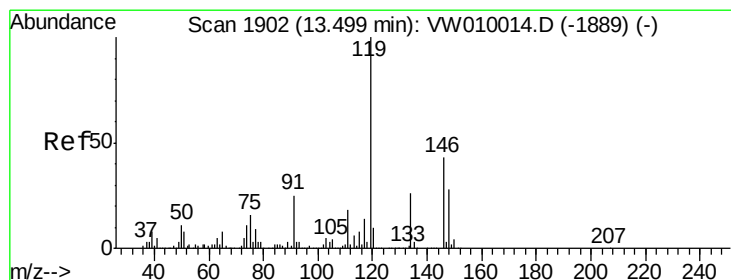
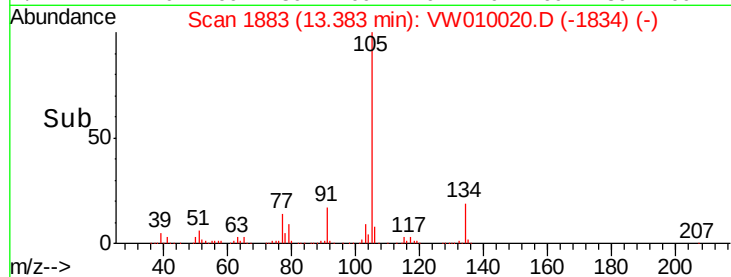
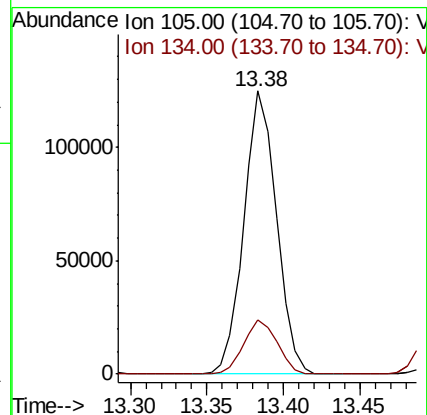
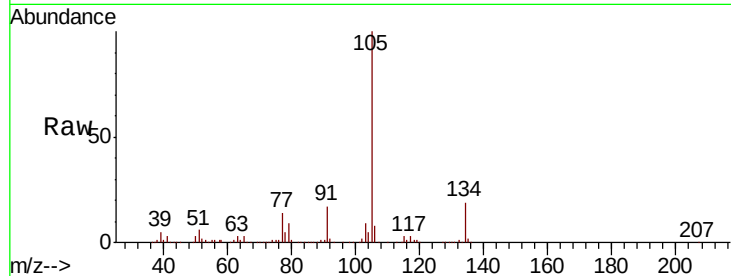
LOQ-SOIL-02-QT2-2019

Tgt Ion:105 Resp: 185358

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 8.801 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

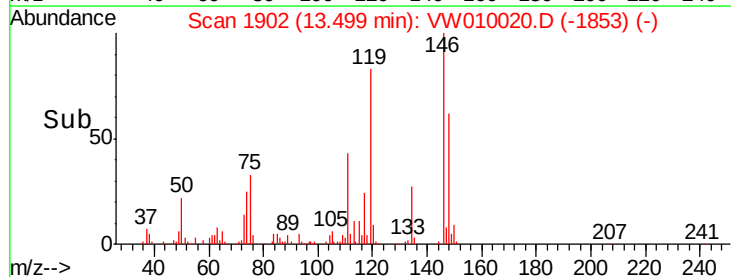
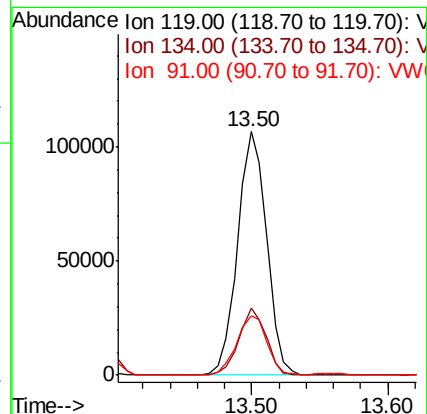
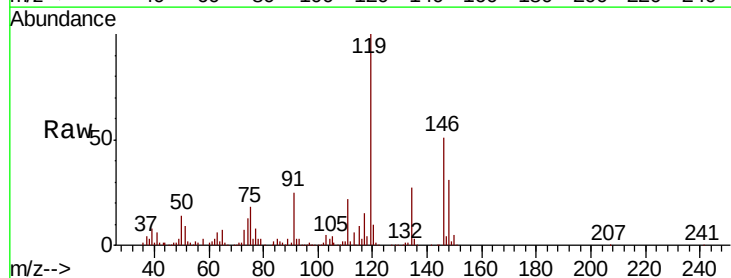
Tgt Ion:119 Resp: 158176

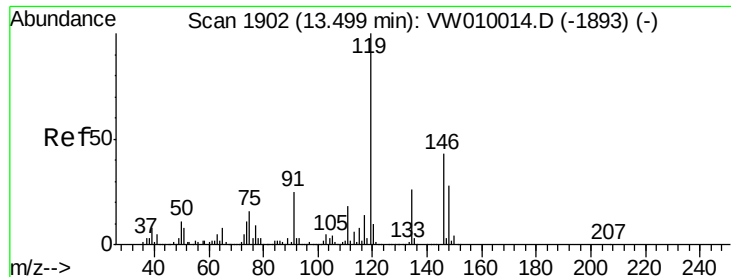
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 9.543 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

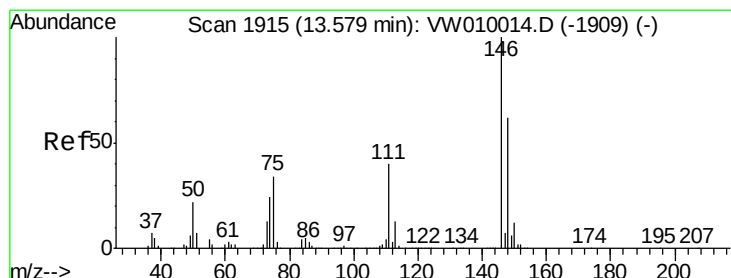
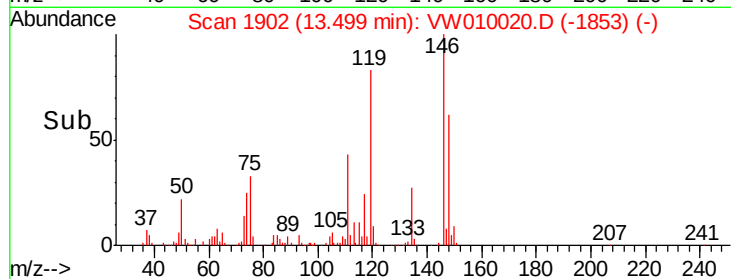
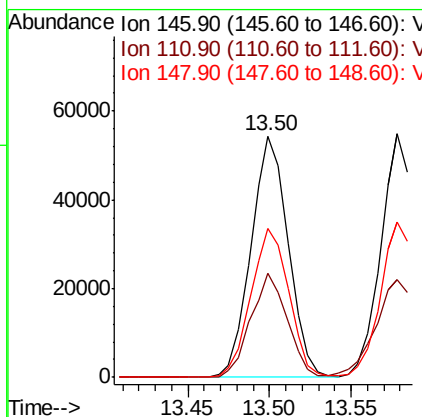
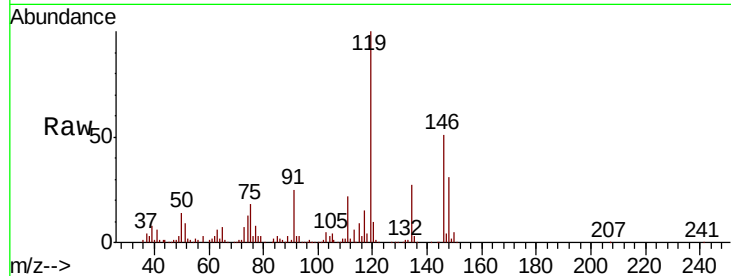
Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:146 Resp: 86223

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	63.0	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 9.473 ug/l

RT: 13.58 min Scan# 1915

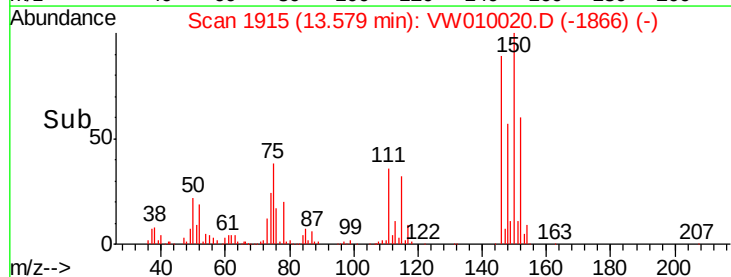
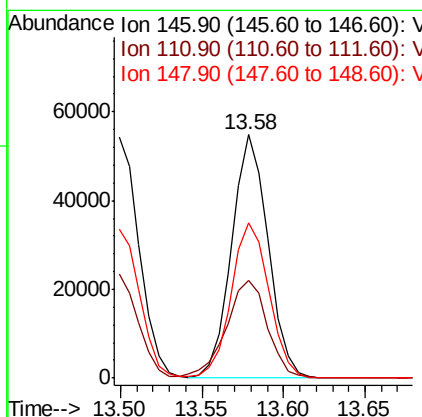
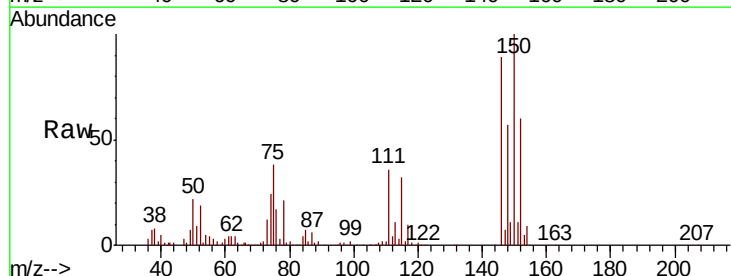
Delta R.T. -0.00 min

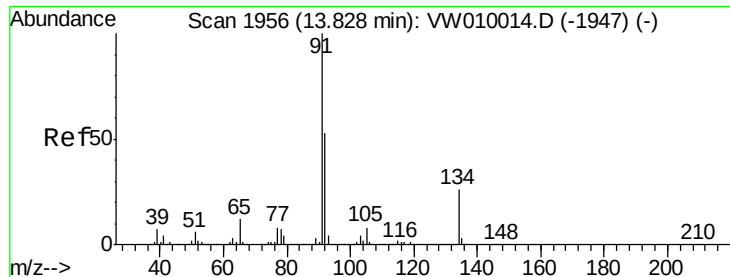
Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Tgt Ion:146 Resp: 85431

Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.1	60.3
148	66.1	31.8	95.3





#89

n-Butylbenzene

Concen: 8.705 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010020.D

Acq: 17 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT2-2019

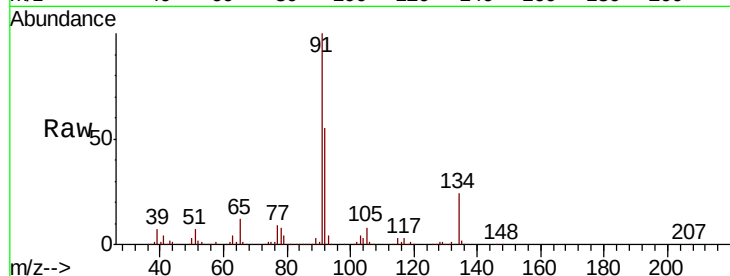
Tgt Ion: 91 Resp: 154997

Ion Ratio Lower Upper

91 100

92 52.8 26.5 79.4

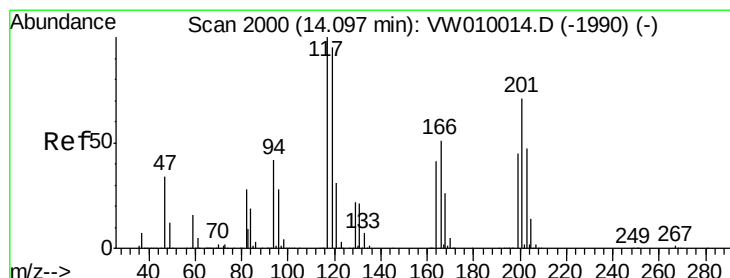
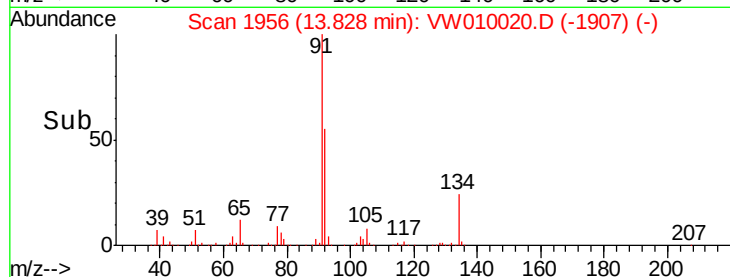
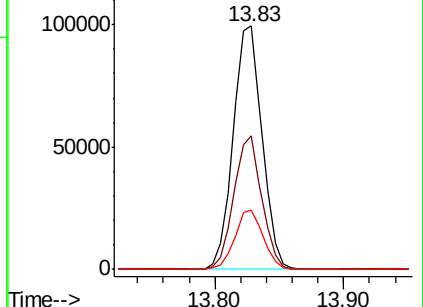
134 23.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 8.925 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010020.D

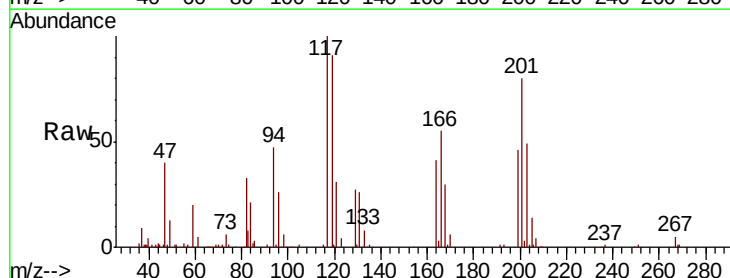
Acq: 17 Apr 2019 17:07

Tgt Ion: 117 Resp: 30725

Ion Ratio Lower Upper

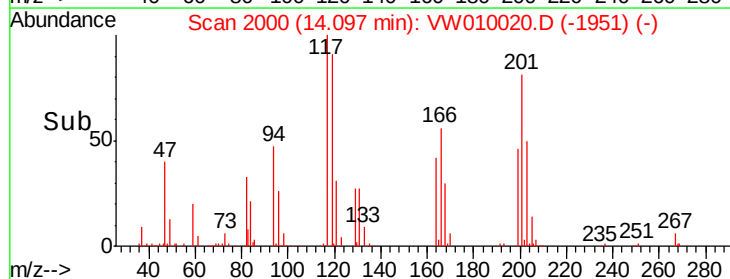
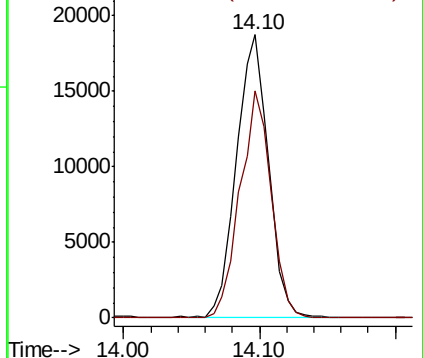
117 100

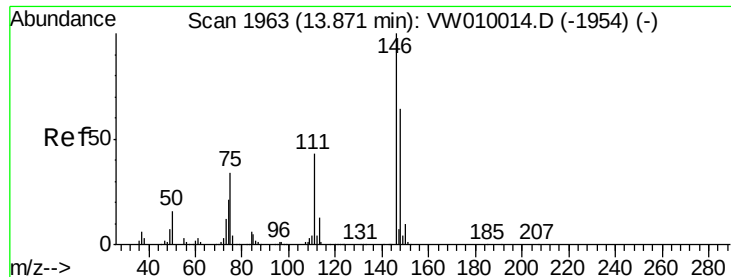
201 78.0 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

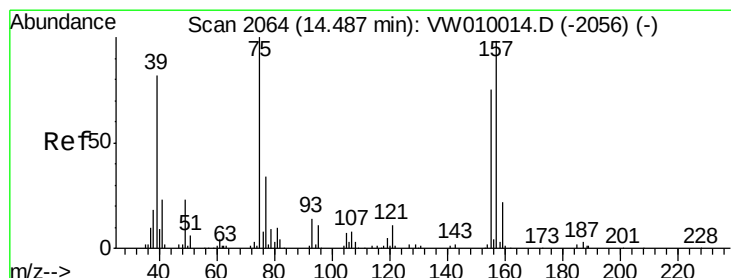
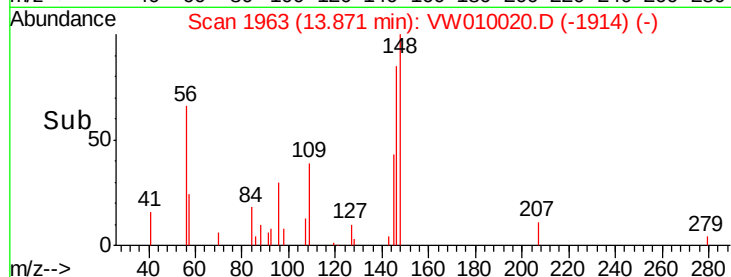
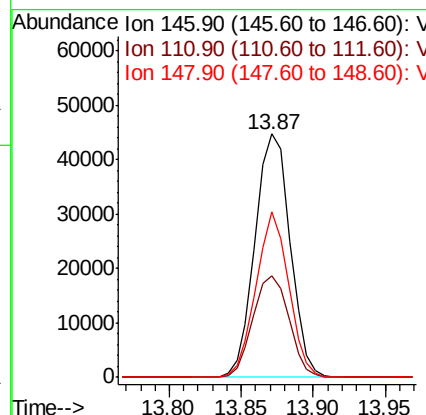
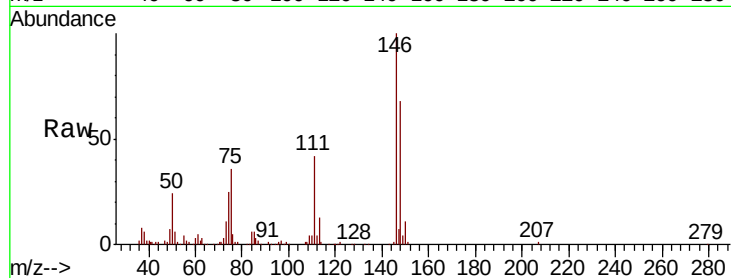




#91
 1,2-Dichlorobenzene
 Concen: 9.308 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

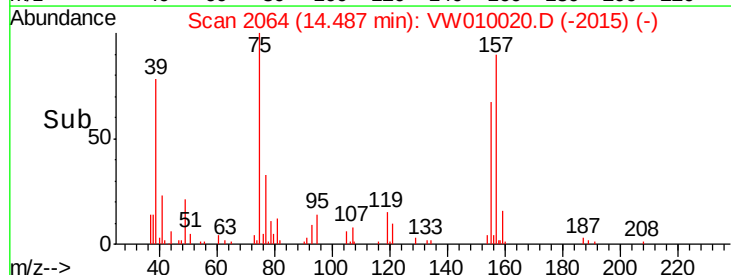
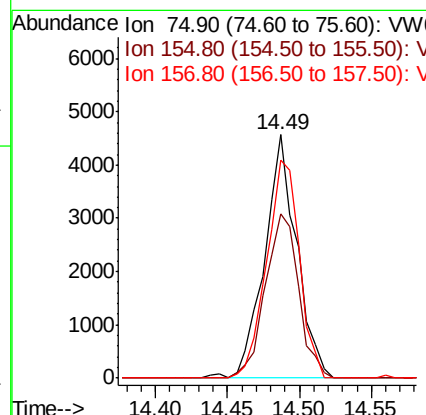
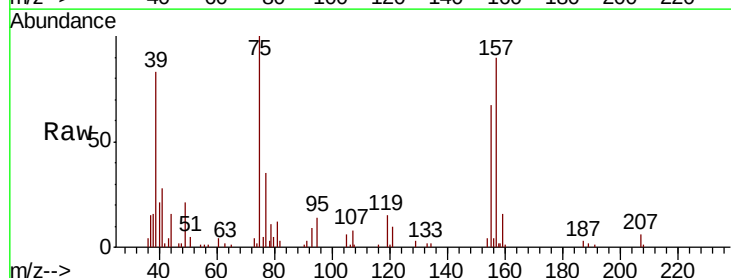
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

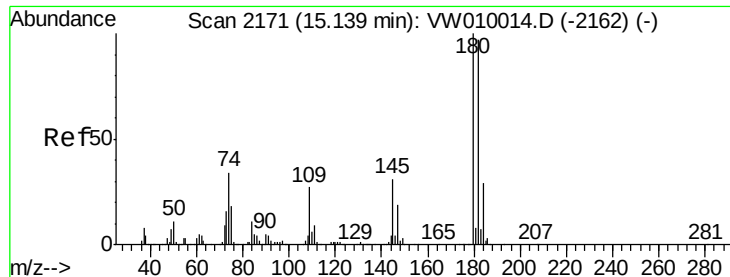
Tgt Ion: 146 Resp: 75401
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.9 62.8
 148 63.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.227 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion: 75 Resp: 7027
 Ion Ratio Lower Upper
 75 100
 155 70.1 37.1 111.5
 157 91.6 47.3 141.9

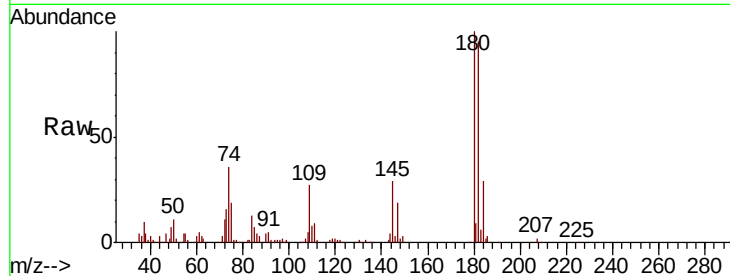




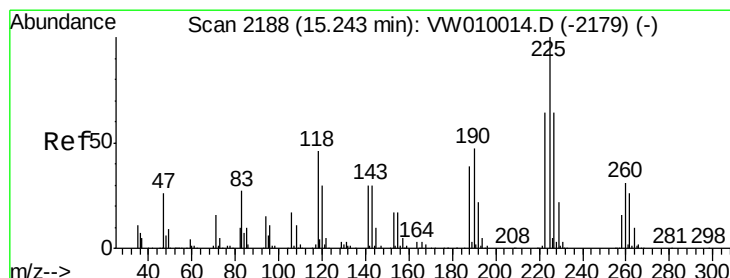
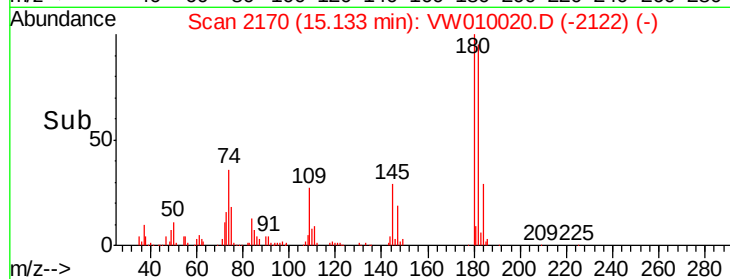
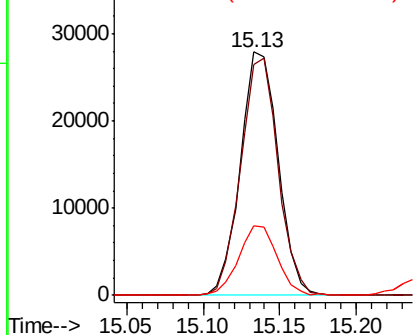
#93
 1,2,4-Trichlorobenzene
 Concen: 8.975 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.4
145	29.0	15.2	45.6

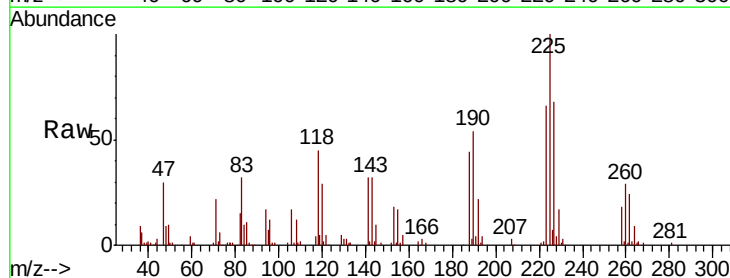


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

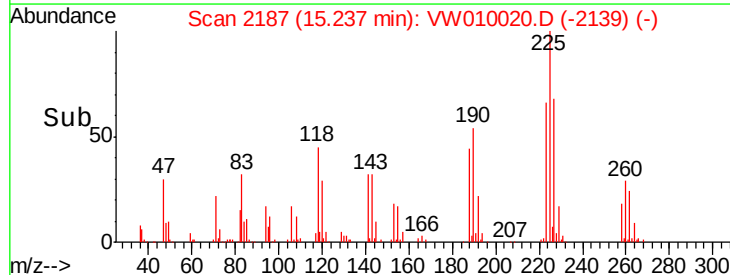
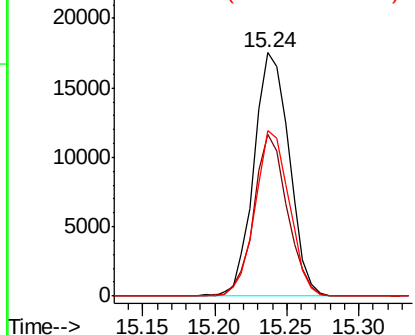


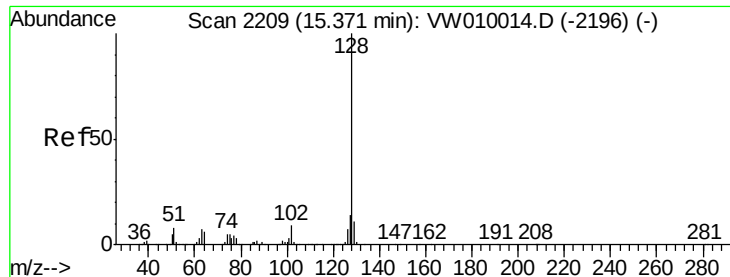
#94
 Hexachlorobutadiene
 Concen: 9.139 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010020.D
 Acq: 17 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.5
227	65.8	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

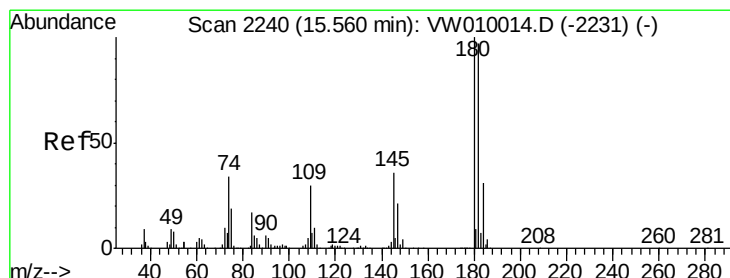
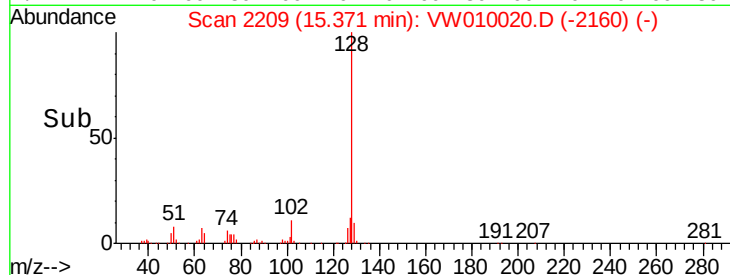
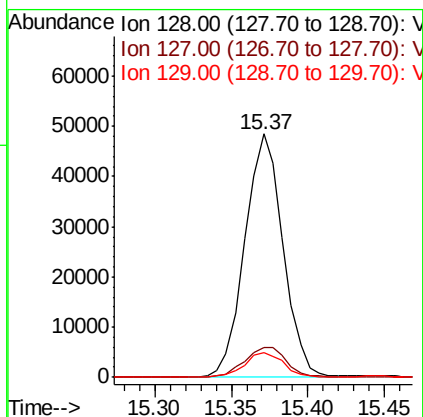
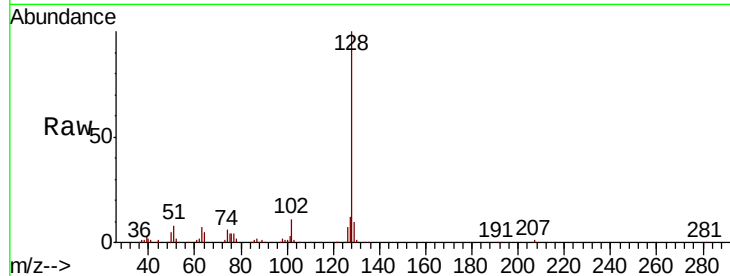




#95
Naphthalene
Concen: 10.156 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:128 Resp: 84197
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.294 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010020.D
Acq: 17 Apr 2019 17:07

Tgt Ion:180 Resp: 43094
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.3
145 33.3 16.4 49.2

