

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001831.D
 Acq On : 03 Mar 2020 13:52
 Operator : SY/MD
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Mar 04 04:27:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 04:23:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	160233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	291876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	122459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	94447	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.74	113	86082	51.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.19	98	353042	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.49	95	127624	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	9459	6.056	ug/l	99
3) Chloromethane	2.12	50	12003	5.713	ug/l	99
4) Vinyl Chloride	2.26	62	11615	5.481	ug/l	92
5) Bromomethane	2.66	94	8065	6.090	ug/l	98
6) Chloroethane	2.80	64	7315	5.602	ug/l	94
7) Trichlorofluoromethane	3.14	101	17927	6.610	ug/l	95
8) Diethyl Ether	3.55	74	6170	5.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	10202	5.985	ug/l	96
10) Methyl Iodide	4.11	142	9810	4.702	ug/l	98
11) Tert butyl alcohol	4.96	59	6136	25.657	ug/l	98
12) 1,1-Dichloroethene	3.90	96	10011	5.758	ug/l	95
13) Acrolein	3.75	56	3657	21.009	ug/l	100
14) Allyl chloride	4.50	41	18645	6.026	ug/l	95
15) Acrylonitrile	5.20	53	15926	29.062	ug/l	98
16) Acetone	3.97	43	13715	22.998	ug/l	95
17) Carbon Disulfide	4.22	76	30620	5.275	ug/l	100
18) Methyl Acetate	4.50	43	12413	9.558	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	27368	5.654	ug/l	94
20) Methylene Chloride	4.74	84	22637	10.686	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	11504	5.800	ug/l	93
22) Diisopropyl ether	6.15	45	36371	5.724	ug/l	94
23) Vinyl Acetate	6.09	43	98694	23.812	ug/l	97
24) 1,1-Dichloroethane	6.05	63	19853	5.846	ug/l	97
25) 2-Butanone	7.01	43	20738	25.598	ug/l	97
26) 2,2-Dichloropropane	7.01	77	16016	5.420	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	12747	5.822	ug/l	99
28) Bromochloromethane	7.35	49	7317	5.172	ug/l	98
29) Tetrahydrofuran	7.37	42	13635	27.846	ug/l	99
30) Chloroform	7.53	83	19032	5.735	ug/l	96
31) Cyclohexane	7.80	56	23161	6.396	ug/l #	81
32) 1,1,1-Trichloroethane	7.72	97	15757	5.650	ug/l	98
36) 1,1-Dichloropropene	7.94	75	15534	5.572	ug/l	98
37) Ethyl Acetate	7.10	43	9567	5.749	ug/l	98
38) Carbon Tetrachloride	7.91	117	13499	5.512	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	19995	5.406	ug/l	94
40) Benzene	8.17	78	46507	5.672	ug/l	95
41) Methacrylonitrile	7.36	41	12280	14.698	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	13045	5.840	ug/l	98
43) Isopropyl Acetate	8.29	43	17495	5.541	ug/l	100
44) Trichloroethene	8.96	130	11084	5.415	ug/l	92
45) 1,2-Dichloropropane	9.23	63	11985	5.836	ug/l	96
46) Dibromomethane	9.31	93	5621	5.233	ug/l	90
47) Bromodichloromethane	9.50	83	13807	5.326	ug/l	95
48) Methyl methacrylate	9.30	41	7302	5.114	ug/l	97
49) 1,4-Dioxane	9.30	88	1641	108.174	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	43590	26.872	ug/l	97
52) Toluene	10.25	92	28834	5.637	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	14785	5.159	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	17632	5.346	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	8652	5.463	ug/l	91
56) Ethyl methacrylate	10.52	69	12010	5.055	ug/l	92
57) 1,3-Dichloropropane	10.80	76	15513	5.513	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	28096	28.318	ug/l	99
59) 2-Hexanone	10.84	43	30226	24.834	ug/l	95
60) Dibromochloromethane	11.00	129	8689	4.976	ug/l	100
61) 1,2-Dibromoethane	11.10	107	8353	5.578	ug/l	100
64) Tetrachloroethene	10.73	164	9985	6.187	ug/l	90
65) Chlorobenzene	11.52	112	28744	5.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	9344	5.397	ug/l	97
67) Ethyl Benzene	11.60	91	53462	5.613	ug/l	97
68) m/p-Xylenes	11.71	106	39814	11.191	ug/l	99
69) o-Xylene	12.03	106	18990	5.614	ug/l	100
70) Styrene	12.05	104	31298	5.324	ug/l	99
71) Bromoform	12.21	173	4817	4.869	ug/l #	99
73) Isopropylbenzene	12.33	105	49855	5.344	ug/l	99
74) N-amyl acetate	12.15	43	15723	5.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	10630	5.336	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	13861	9.867	ug/l #	100
77) Bromobenzene	12.61	156	10764	5.322	ug/l	99
78) n-propylbenzene	12.68	91	62535	5.504	ug/l	98
79) 2-Chlorotoluene	12.77	91	34675	5.441	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	41846	5.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	3391	4.580	ug/l	90
82) 4-Chlorotoluene	12.86	91	36652	5.453	ug/l	98
83) tert-Butylbenzene	13.08	119	35460	5.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	42585	5.531	ug/l	100
85) sec-Butylbenzene	13.26	105	51744	5.447	ug/l	99
86) p-Isopropyltoluene	13.38	119	45755	5.545	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	22279	5.680	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	22185	5.596	ug/l	95
89) n-Butylbenzene	13.70	91	47501	5.633	ug/l	97
90) Hexachloroethane	13.97	117	8024	5.161	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	19747	5.456	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	1760	5.354	ug/l	83

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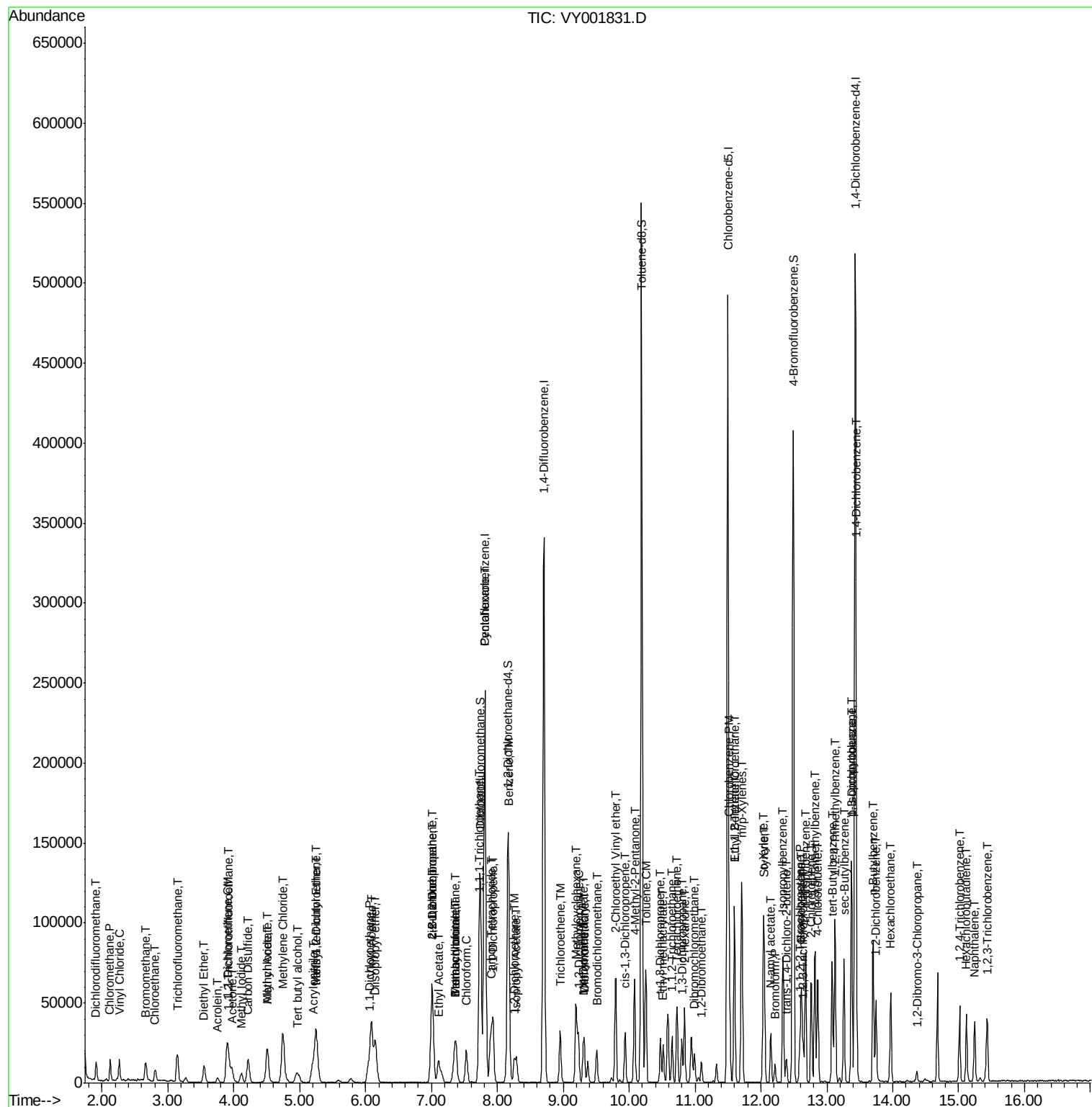
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	13052	5.441	ug/l	98
94) Hexachlorobutadiene	15.12	225	6503	5.451	ug/l	98
95) Naphthalene	15.25	128	29437	5.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	11728	5.558	ug/l	97

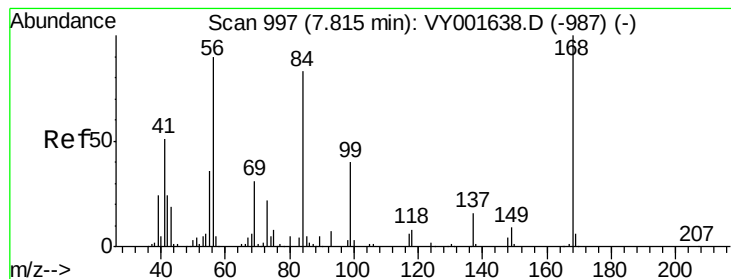
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

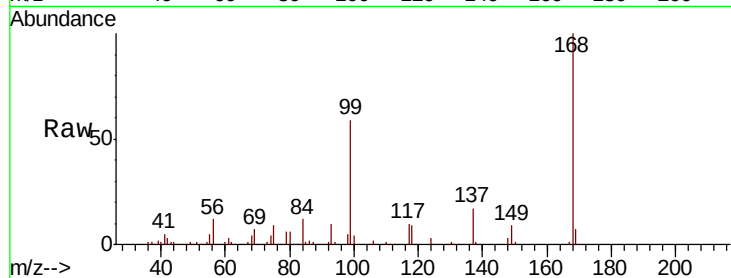
LOQ-SOIL-02-QT1-2020

Tot Ion:168 Resp: 160233

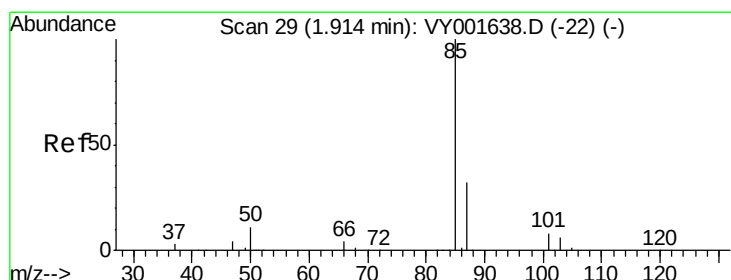
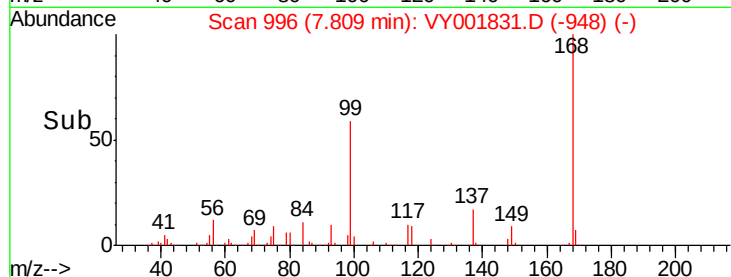
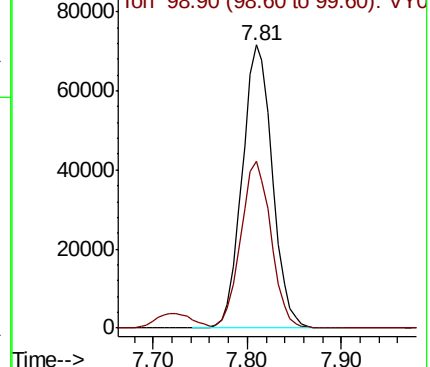
Ion Ratio Lower Upper

168 100

99 59.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001831.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 6.056 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001831.D

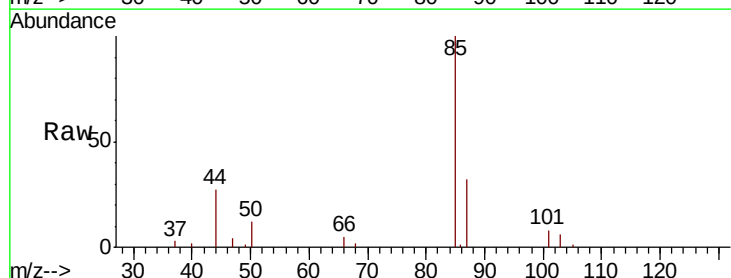
Acq: 03 Mar 2020 13:52

Tgt Ion: 85 Resp: 9459

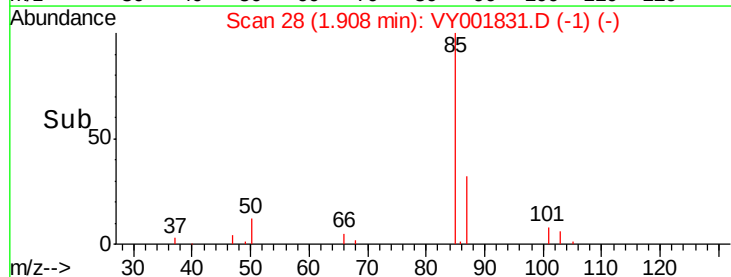
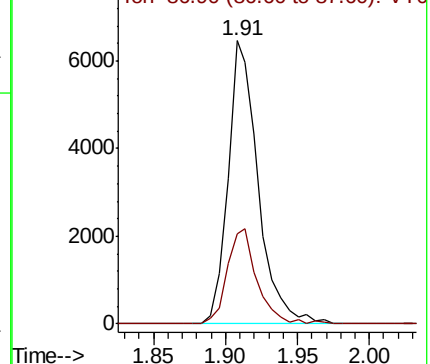
Ion Ratio Lower Upper

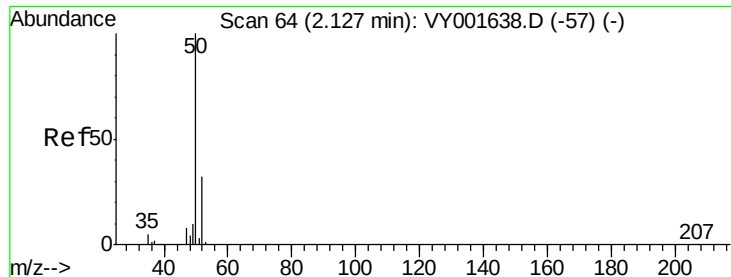
85 100

87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001831.D (-1) (-)





#3

Chloromethane

Concen: 5.713 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

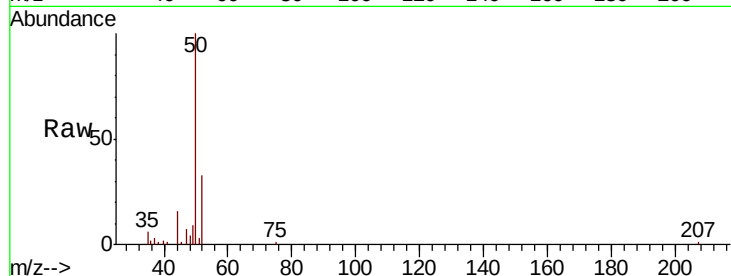
LOQ-SOIL-02-QT1-2020

Tot Ion: 50 Resp: 12003

Ion Ratio Lower Upper

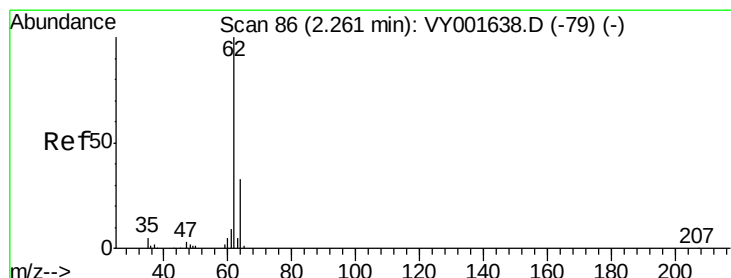
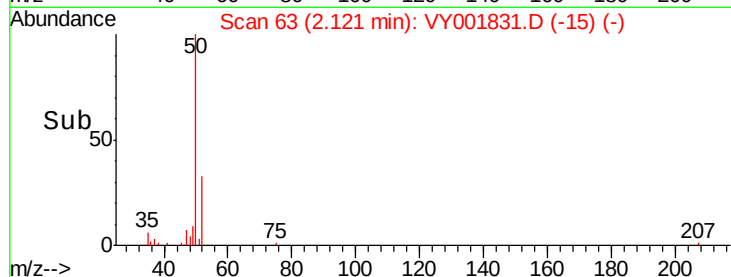
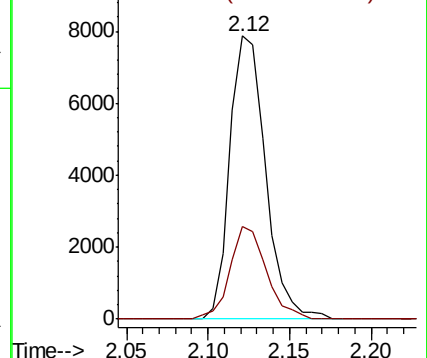
50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.481 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001831.D

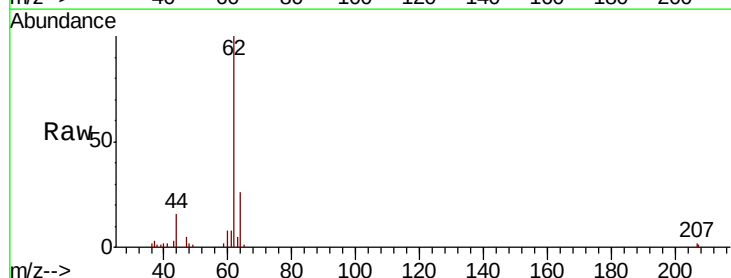
Acq: 03 Mar 2020 13:52

Tgt Ion: 62 Resp: 11615

Ion Ratio Lower Upper

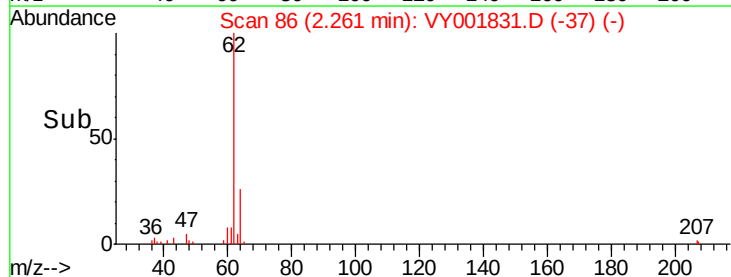
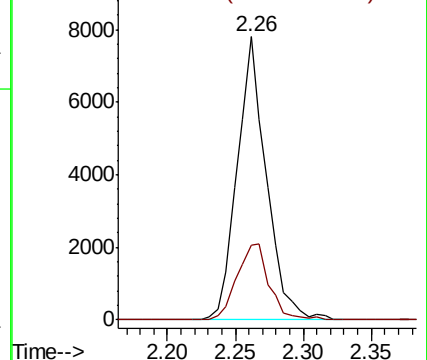
62 100

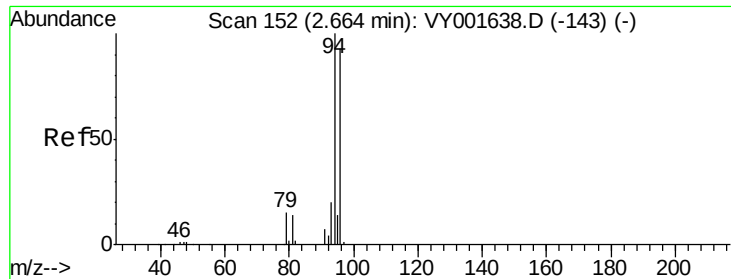
64 26.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 6.090 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

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ClientSampleId :

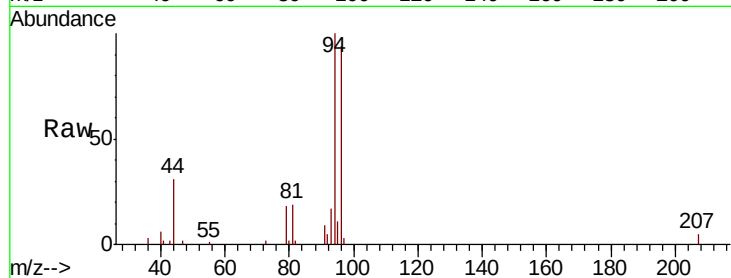
LOQ-SOIL-02-QT1-2020

Tot Ion: 94 Resp: 8065

Ion Ratio Lower Upper

94 100

96 94.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

4000

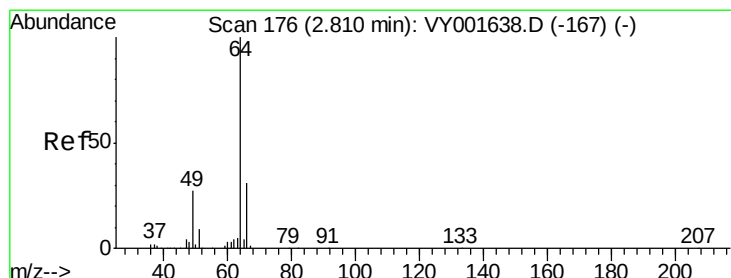
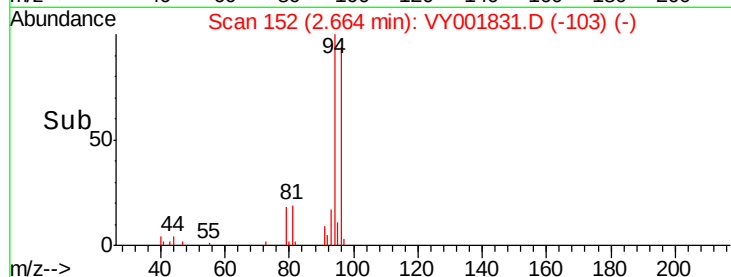
3000

2000

1000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 5.602 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001831.D

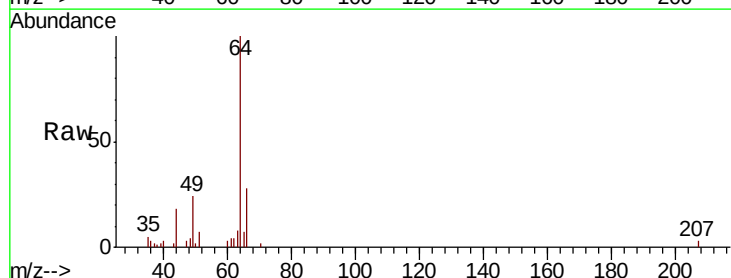
Acq: 03 Mar 2020 13:52

Tgt Ion: 64 Resp: 7315

Ion Ratio Lower Upper

64 100

66 28.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

4000

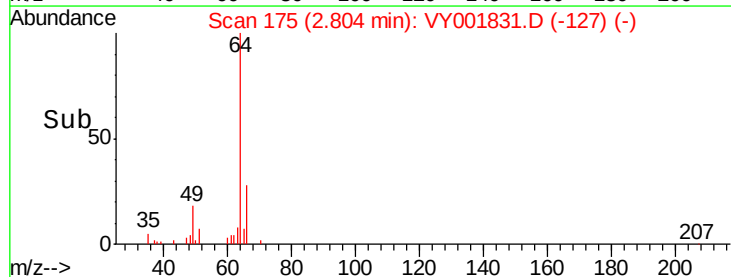
3000

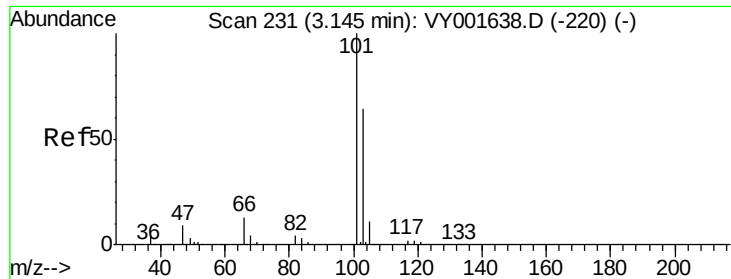
2000

1000

0

Time--> 2.75 2.80 2.85 2.90



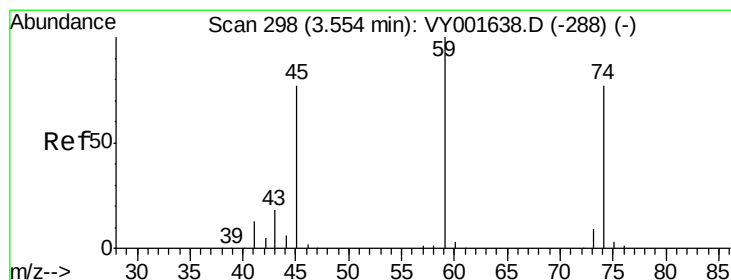
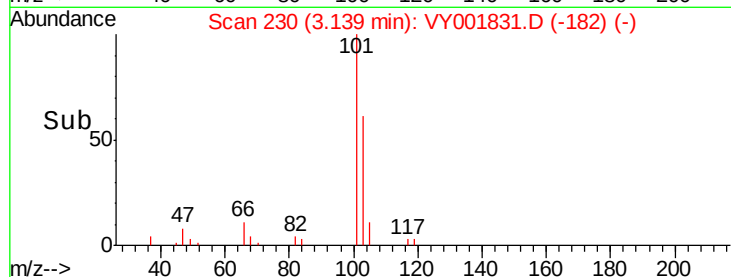
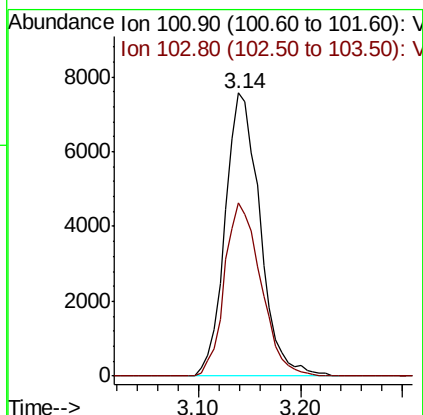
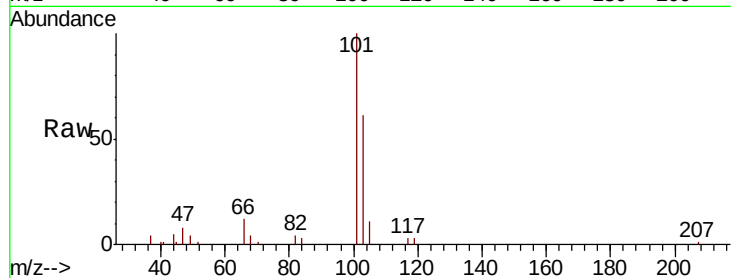


#7

Trichlorofluoromethane
 Concen: 6.610 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

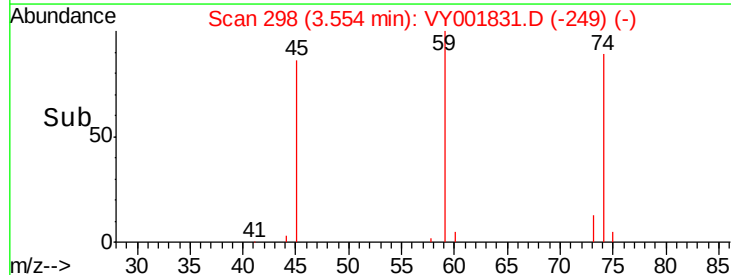
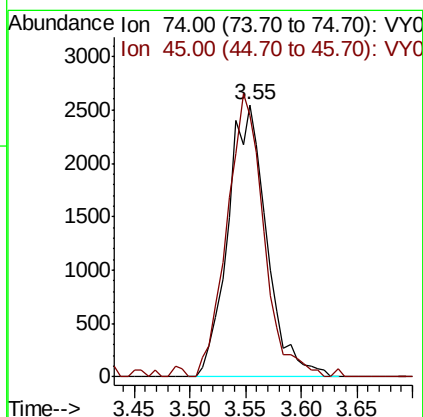
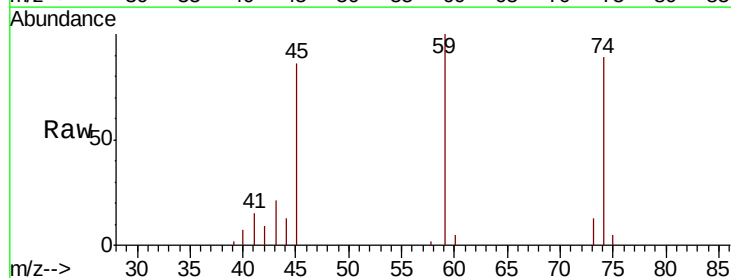
Tot Ion:101 Resp: 17927
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.2 78.2

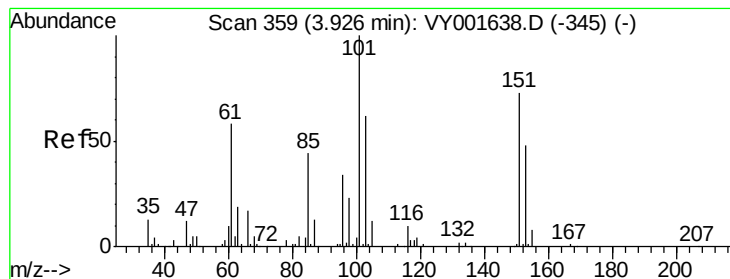


#8

Diethyl Ether
 Concen: 5.771 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 74 Resp: 6170
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.985 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

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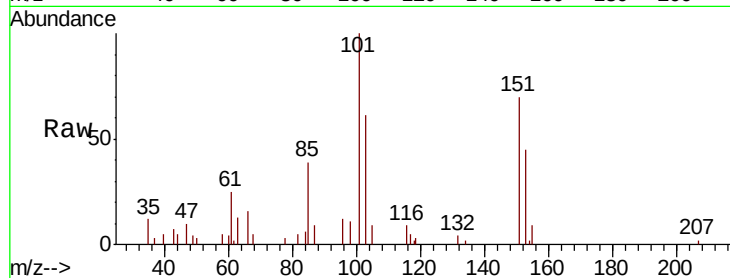
Tot Ion:101 Resp: 10202

Ion Ratio Lower Upper

101 100

85 41.6 35.1 52.7

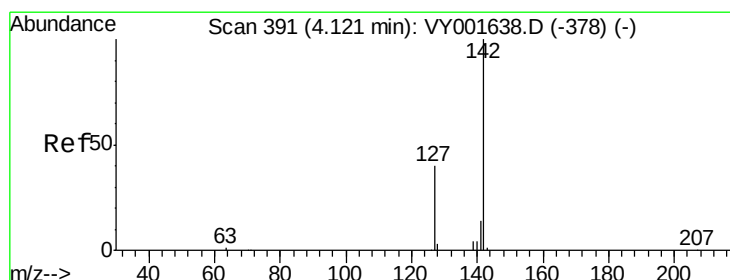
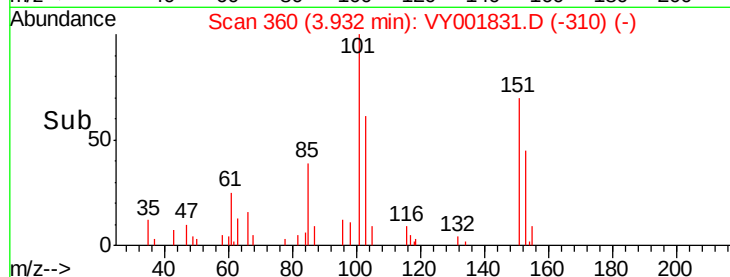
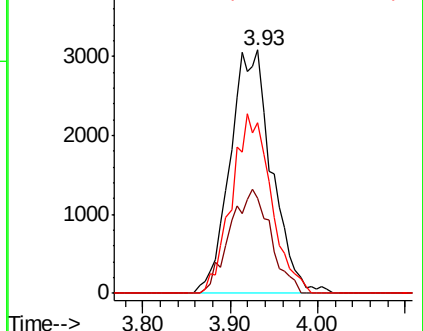
151 69.3 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.702 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

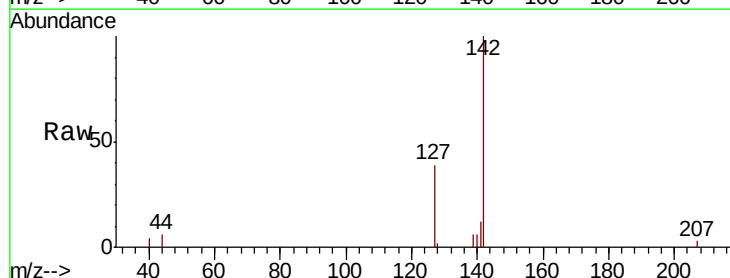
Tgt Ion:142 Resp: 9810

Ion Ratio Lower Upper

142 100

127 40.4 32.1 48.1

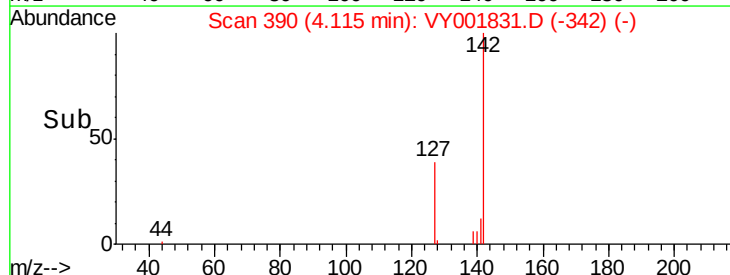
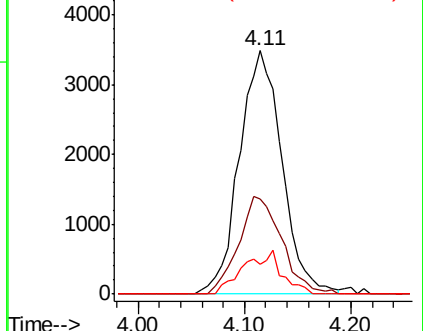
141 16.0 11.3 16.9

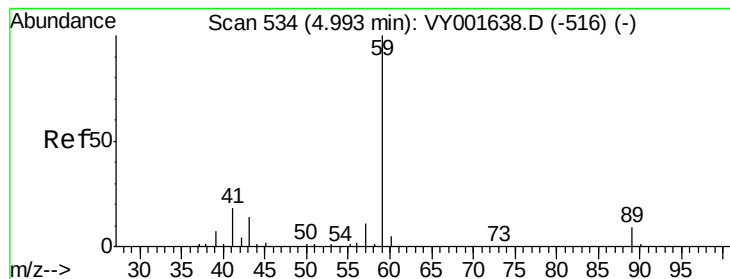


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



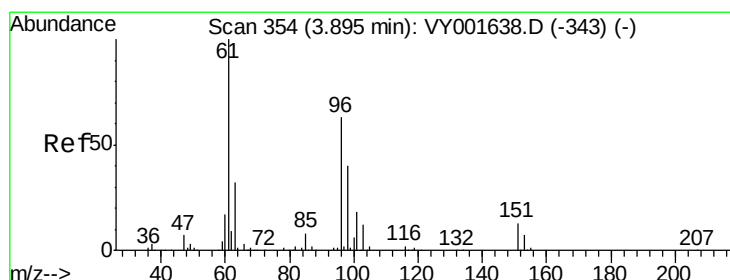
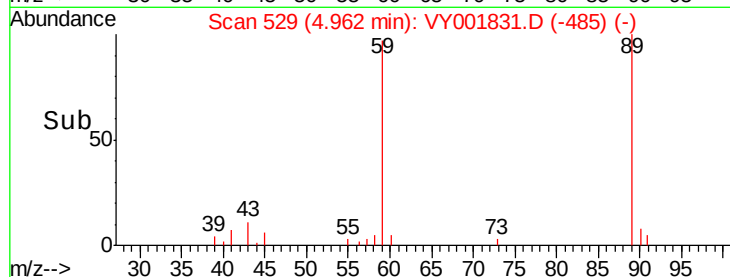
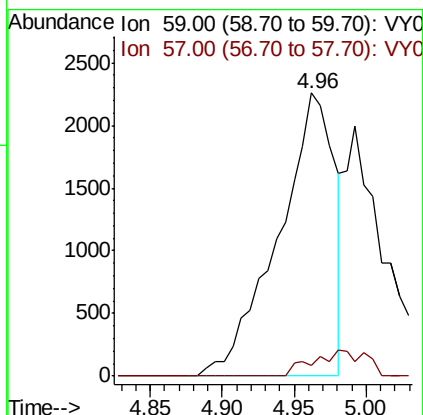
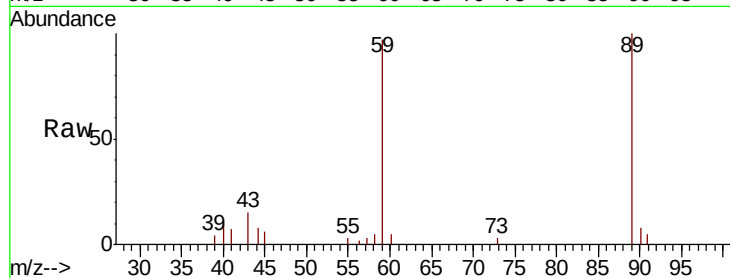


#11

Tert butyl alcohol
 Concen: 25.657 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

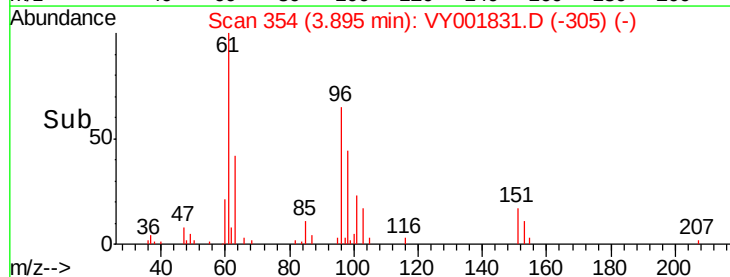
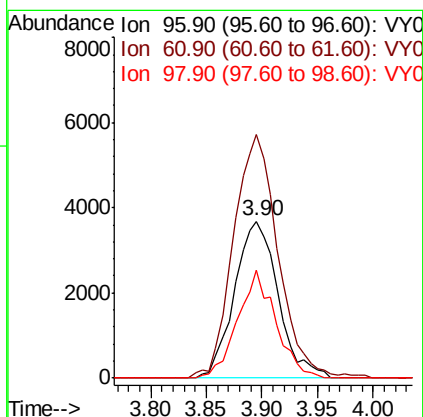
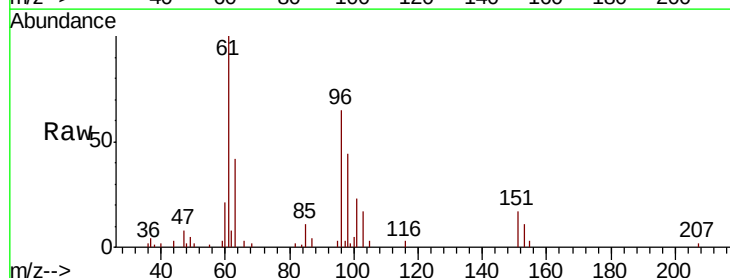
Tot Ion: 59 Resp: 6136
 Ion Ratio Lower Upper
 59 100
 57 8.5 7.4 11.2

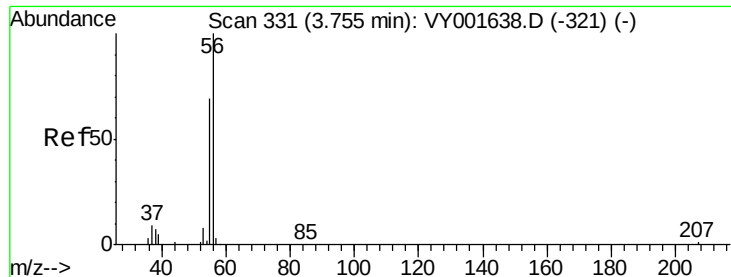


#12

1,1-Dichloroethene
 Concen: 5.758 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 96 Resp: 10011
 Ion Ratio Lower Upper
 96 100
 61 154.9 128.7 193.1
 98 68.6 50.7 76.1





#13

Acrolein

Concen: 21.009 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

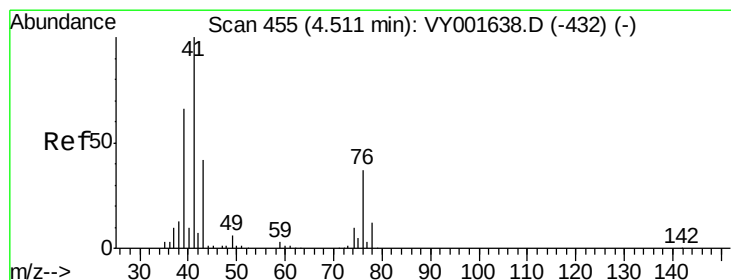
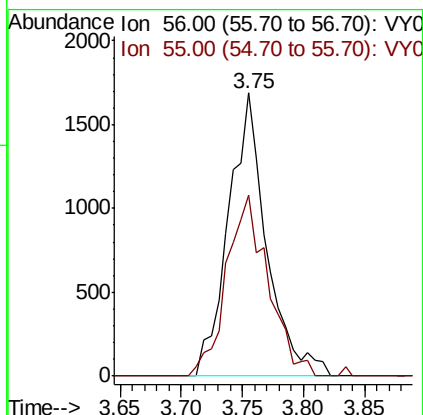
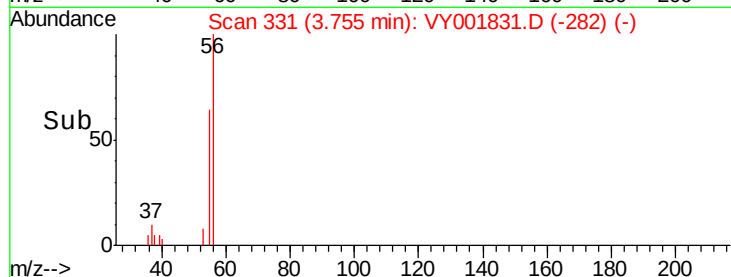
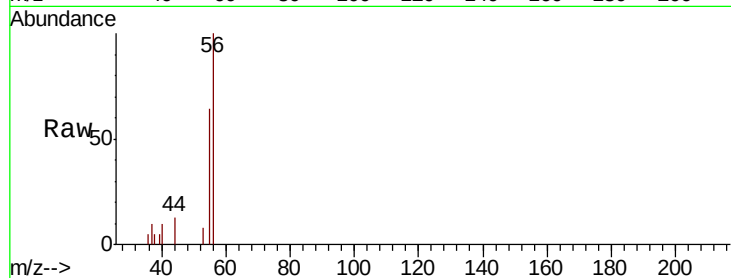
LOQ-SOIL-02-QT1-2020

Tot Ion: 56 Resp: 3657

Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



#14

Allyl chloride

Concen: 6.026 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

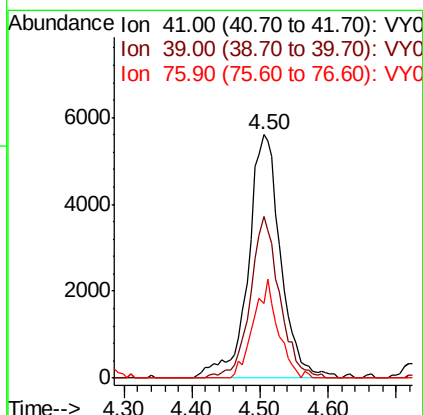
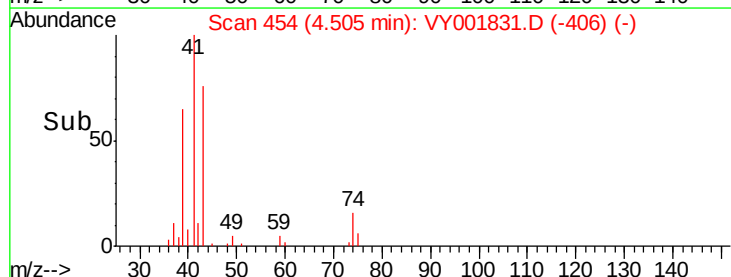
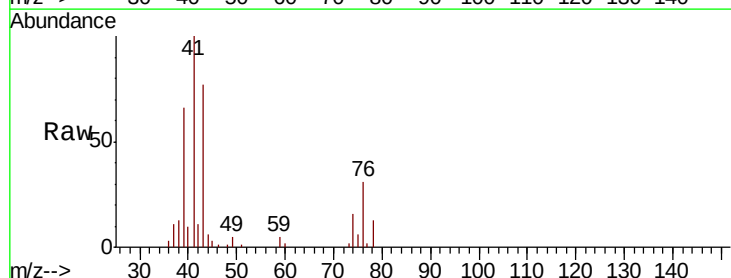
Tgt Ion: 41 Resp: 18645

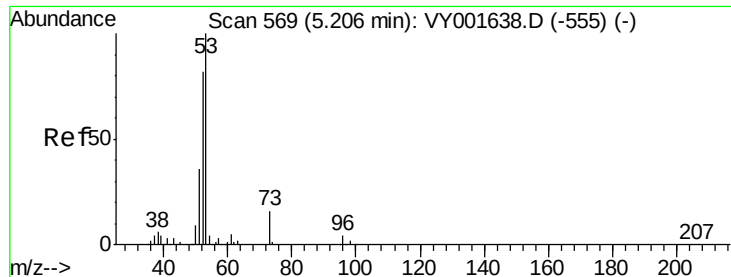
Ion Ratio Lower Upper

41 100

39 59.9 49.4 74.0

76 30.7 29.0 43.6





#15

Acrylonitrile

Concen: 29.062 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

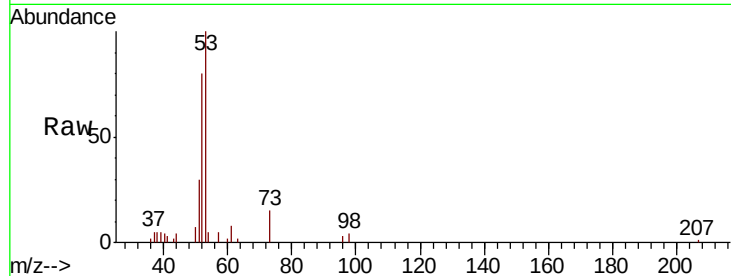
Tot Ion: 53 Resp: 15926

Ion Ratio Lower Upper

53 100

52 79.7 65.4 98.0

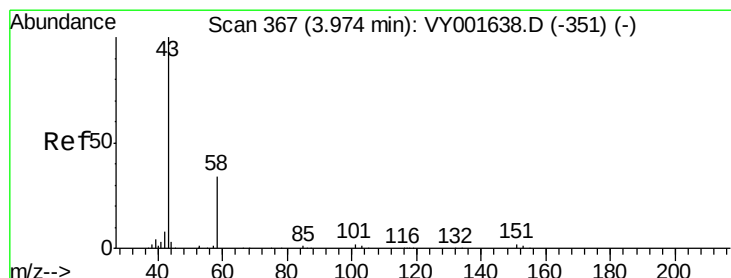
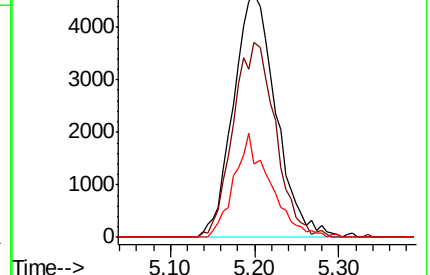
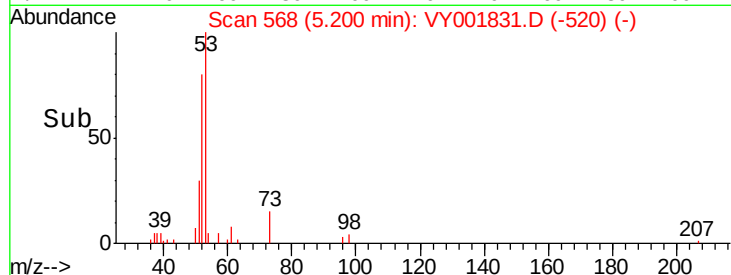
51 36.2 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY001831.D (-520) (-)

Ion 52.00 (51.70 to 52.70): VY001831.D (-520) (-)

Ion 51.00 (50.70 to 51.70): VY001831.D (-520) (-)



#16

Acetone

Concen: 22.998 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001831.D

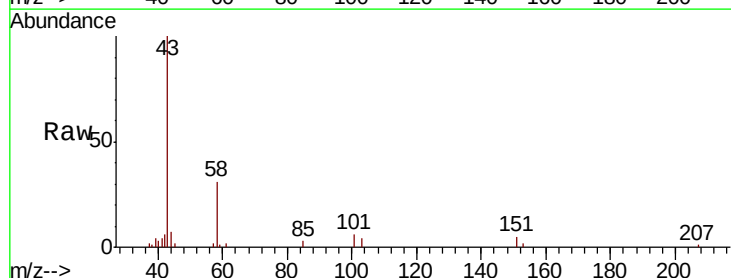
Acq: 03 Mar 2020 13:52

Tgt Ion: 43 Resp: 13715

Ion Ratio Lower Upper

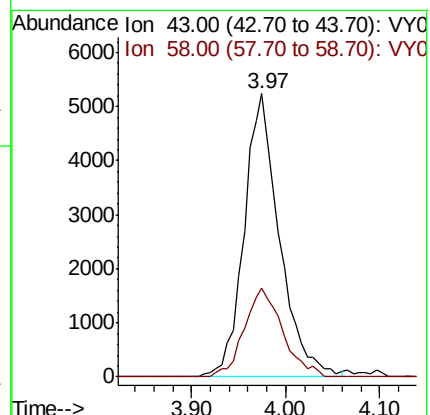
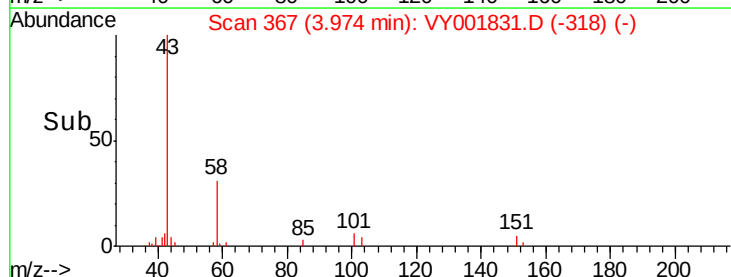
43 100

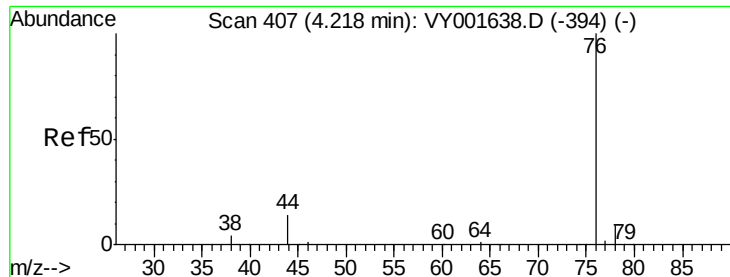
58 31.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001831.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001831.D (-318) (-)

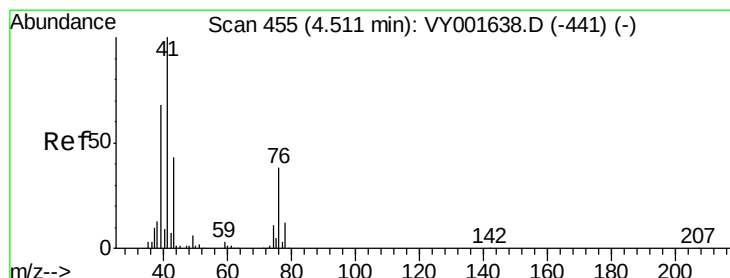
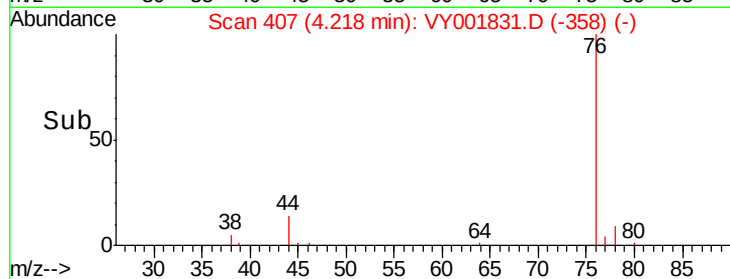
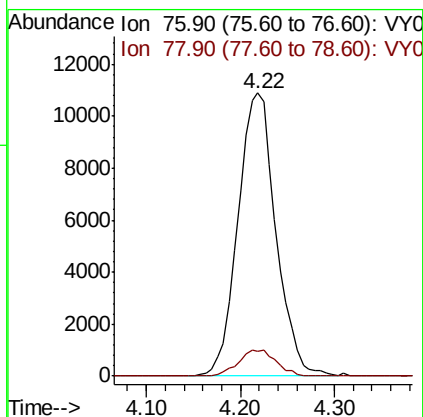
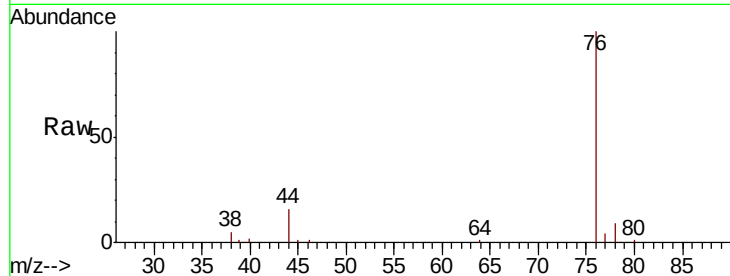




#17
Carbon Disulfide
Concen: 5.275 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

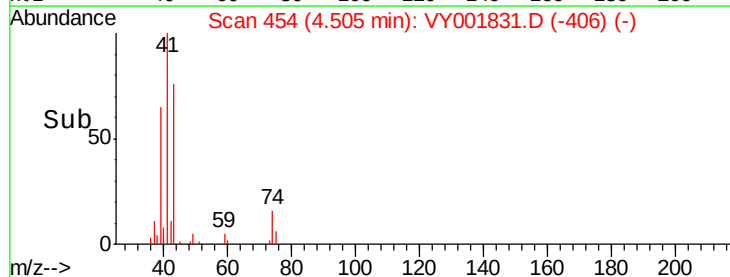
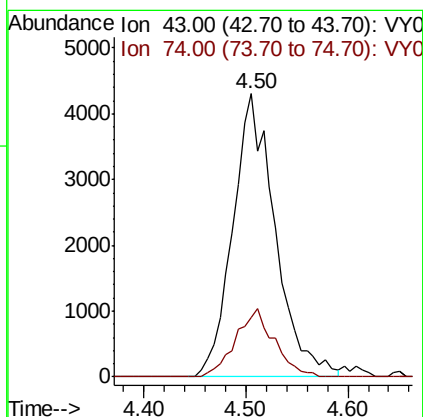
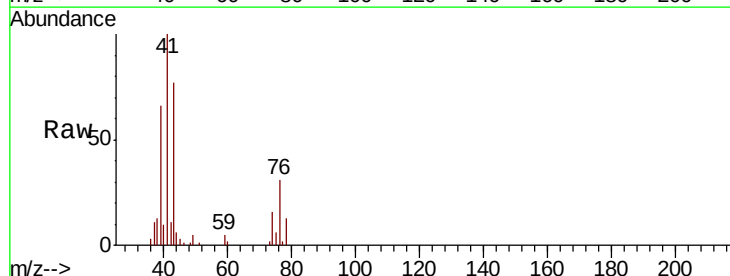
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

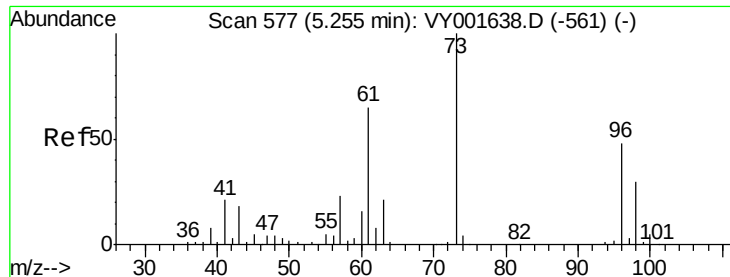
Tot Ion: 76 Resp: 30620
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 9.558 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 43 Resp: 12413
Ion Ratio Lower Upper
43 100
74 22.1 19.1 28.7

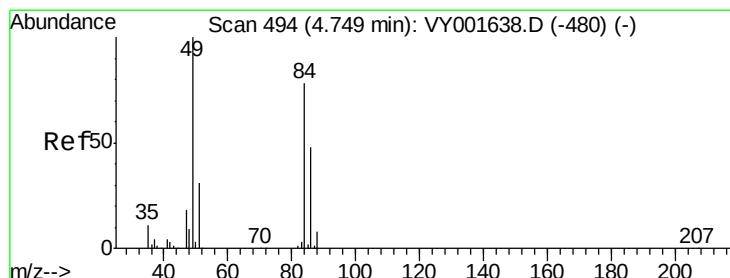
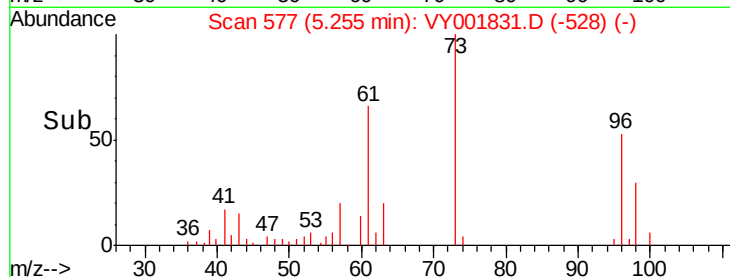
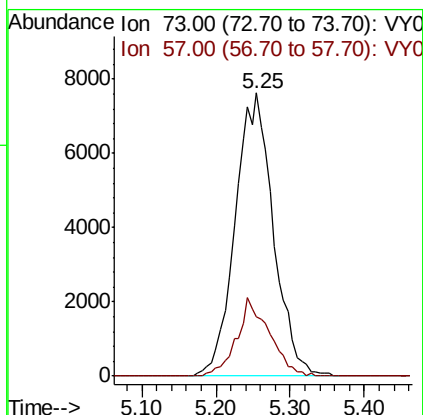
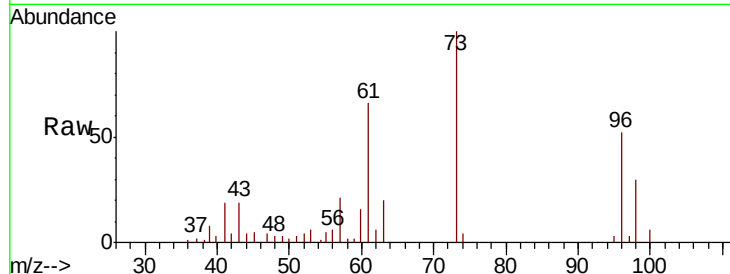




#19
Methyl tert-butyl Ether
Concen: 5.654 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

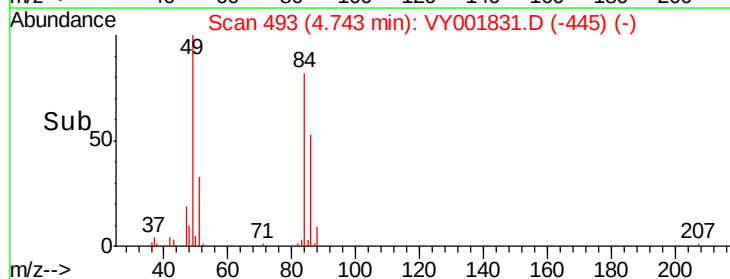
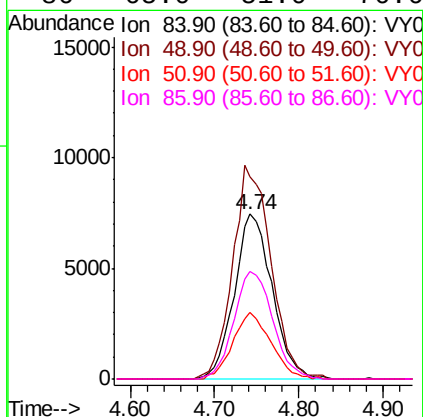
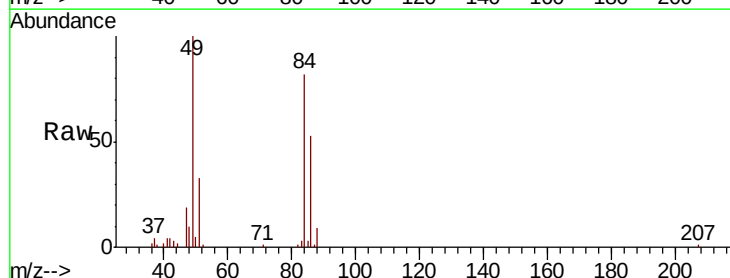
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

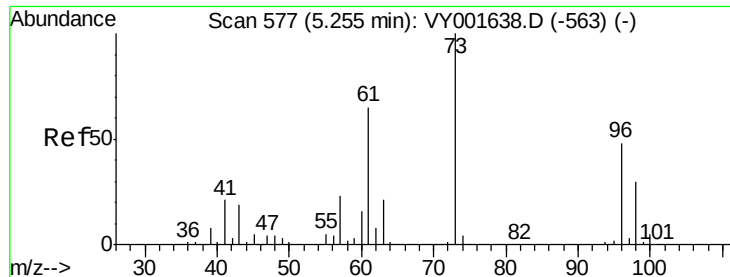
Tot Ion: 73 Resp: 27368
Ion Ratio Lower Upper
73 100
57 20.8 19.0 28.6



#20
Methylene Chloride
Concen: 10.686 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 84 Resp: 22637
Ion Ratio Lower Upper
84 100
49 122.5 99.2 148.8
51 40.5 31.5 47.3
86 65.0 51.0 76.6

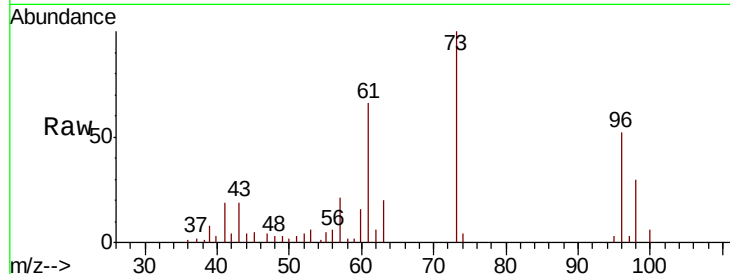




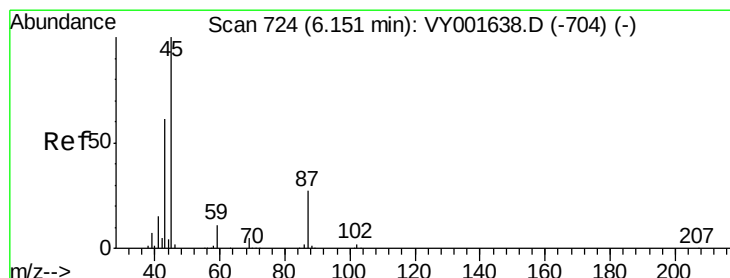
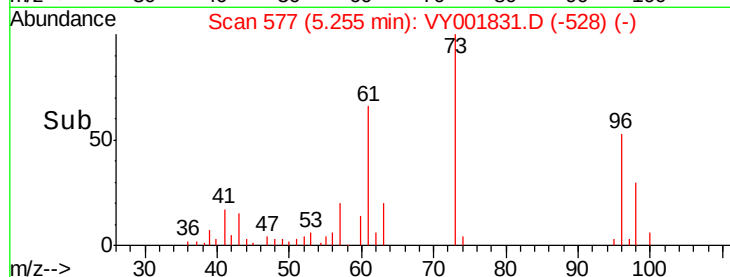
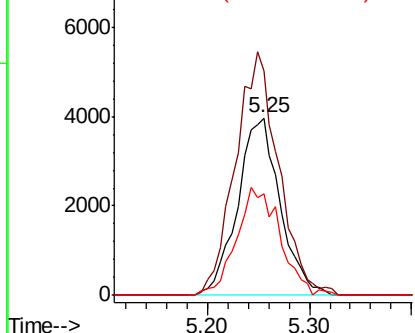
#21
trans-1,2-Dichloroethene
Concen: 5.800 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 96 Resp: 11504
Ion Ratio Lower Upper
96 100
61 126.7 107.9 161.9
98 57.5 49.8 74.8



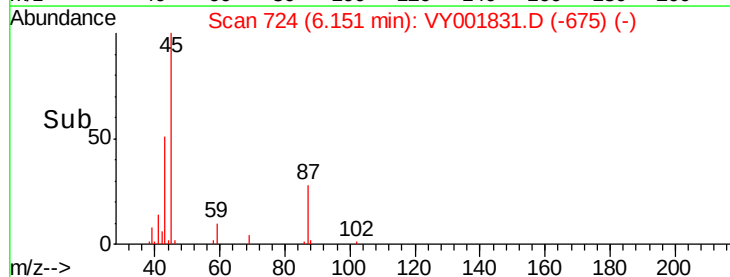
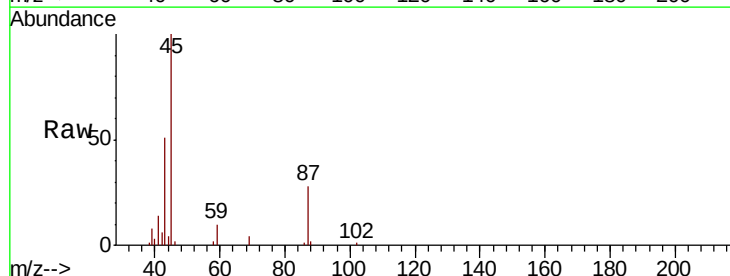
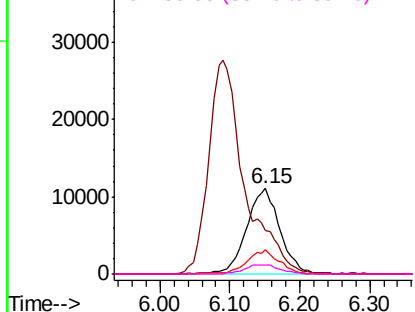
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

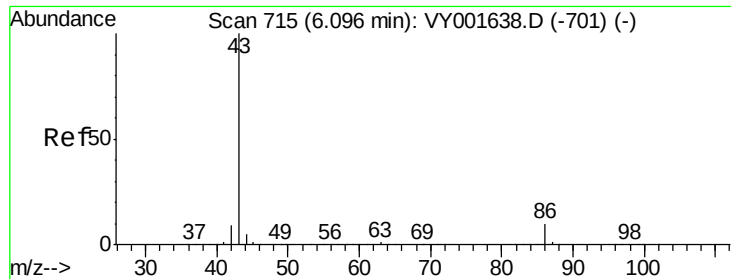


#22
Diisopropyl ether
Concen: 5.724 ug/l
RT: 6.15 min Scan# 724
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 45 Resp: 36371
Ion Ratio Lower Upper
45 100
43 51.0 46.4 69.6
87 28.4 22.1 33.1
59 10.5 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 23.812 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

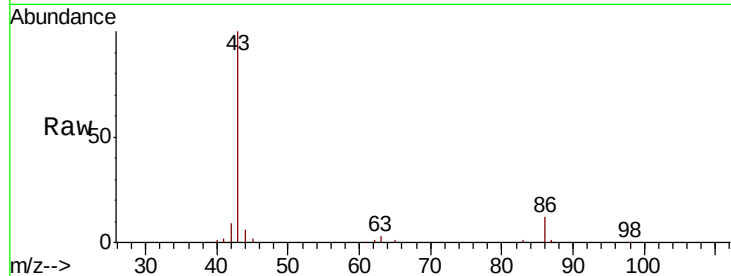
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 98694

Ion Ratio Lower Upper

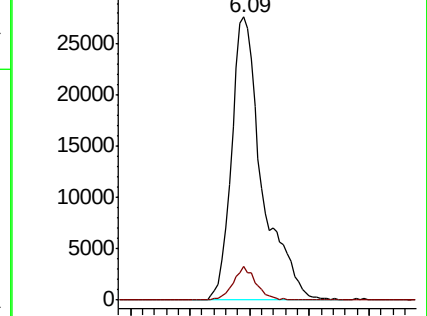
43 100

86 12.1 8.8 13.2

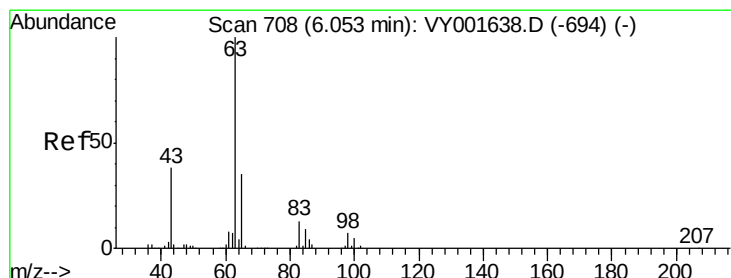
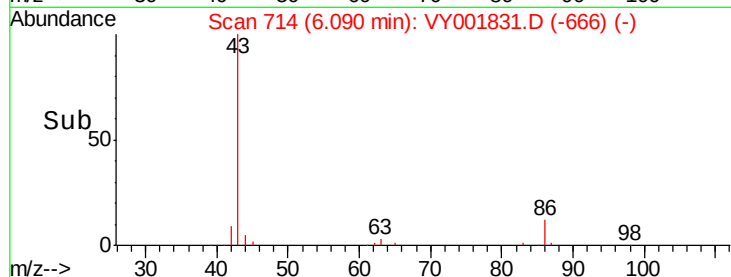


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 5.846 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

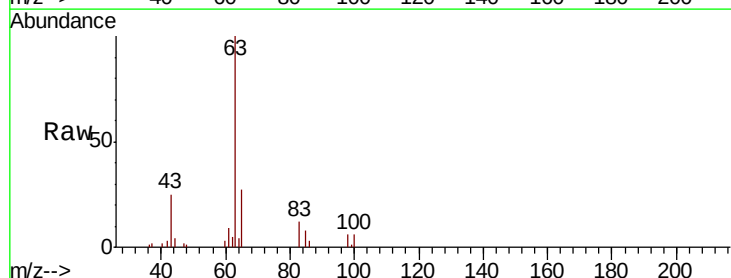
Tgt Ion: 63 Resp: 19853

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

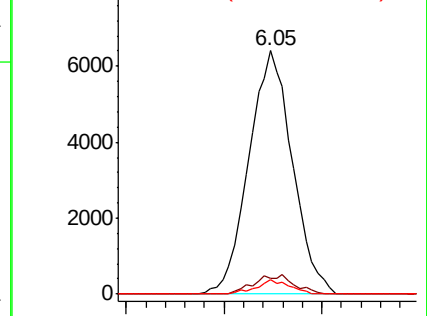
100 6.2 2.3 6.9



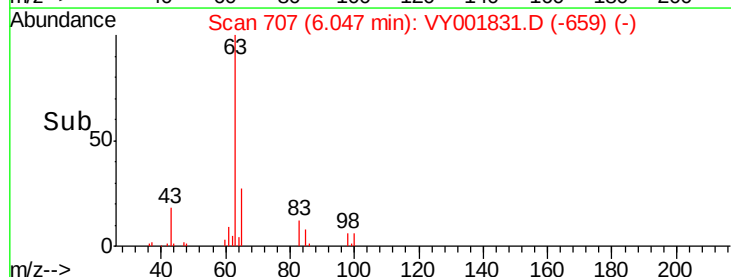
Abundance Ion 62.90 (62.60 to 63.60): VY0

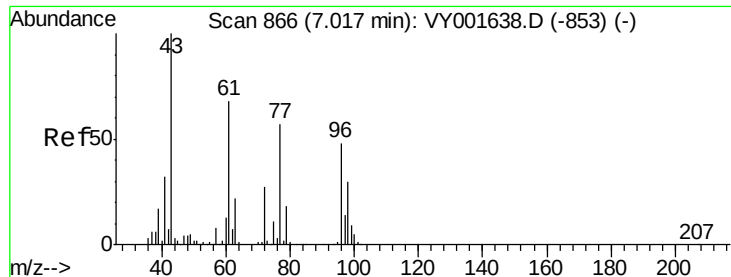
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 25.598 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

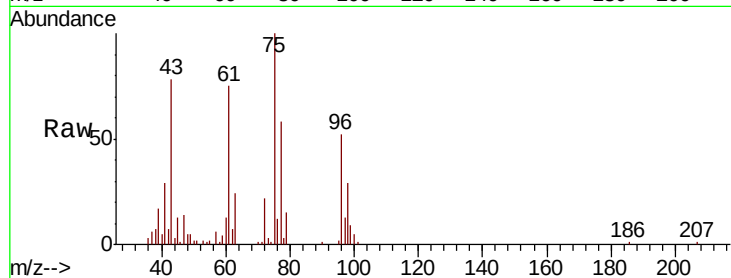
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 20738

Ion Ratio Lower Upper

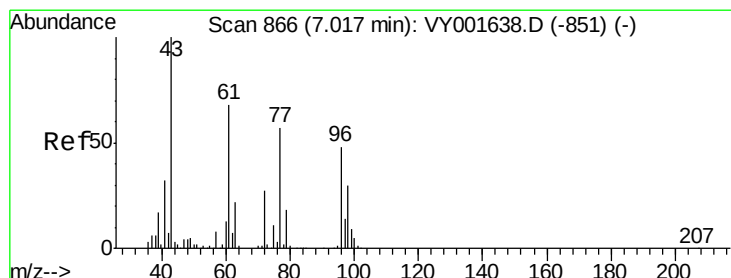
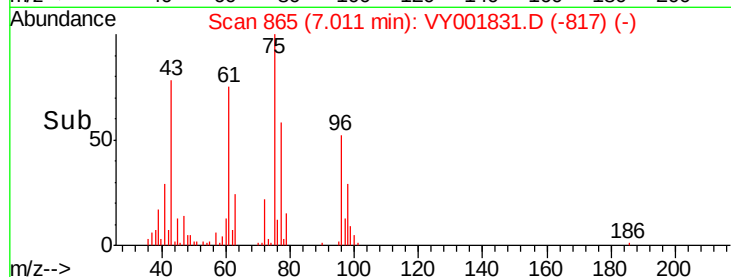
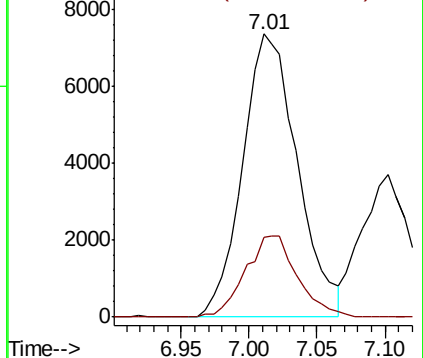
43 100

72 28.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.420 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001831.D

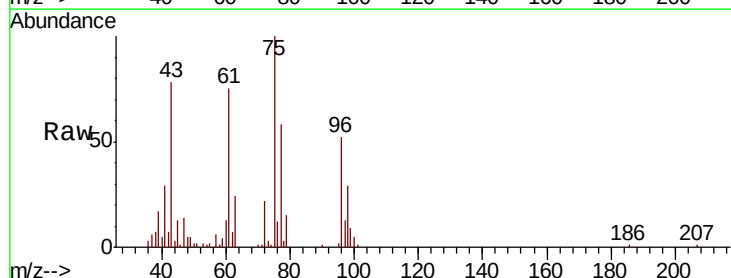
Acq: 03 Mar 2020 13:52

Tgt Ion: 77 Resp: 16016

Ion Ratio Lower Upper

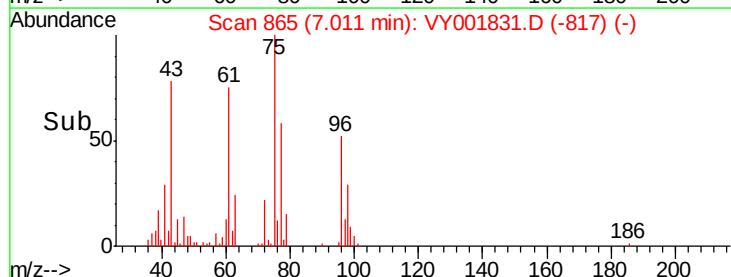
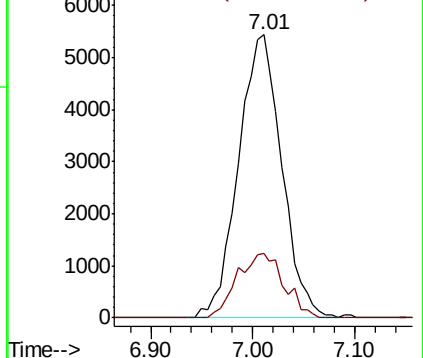
77 100

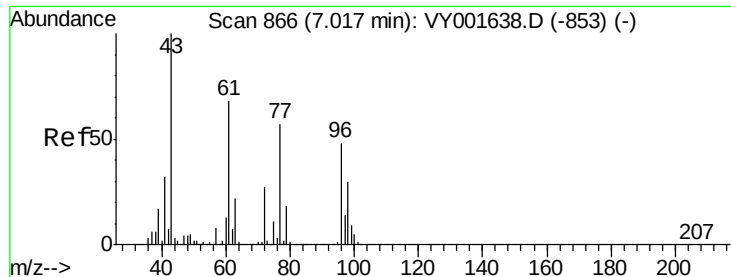
97 24.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



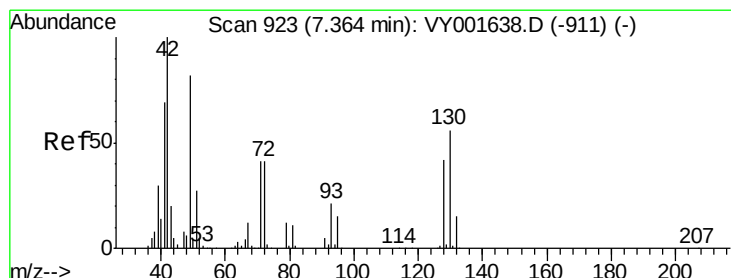
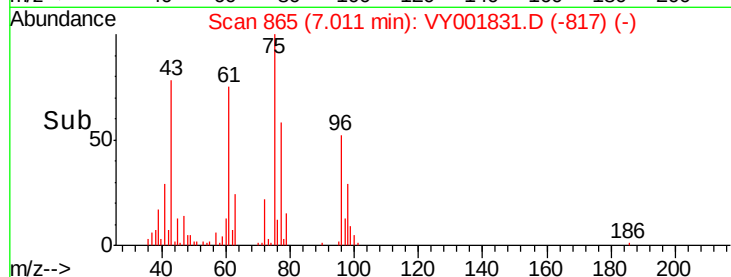
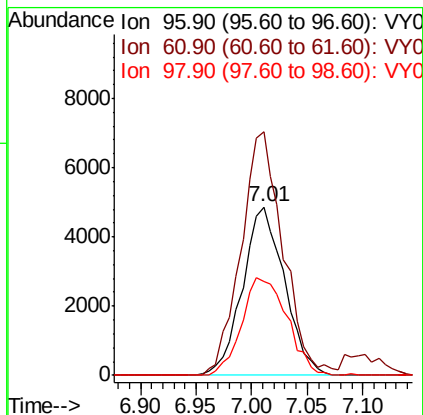
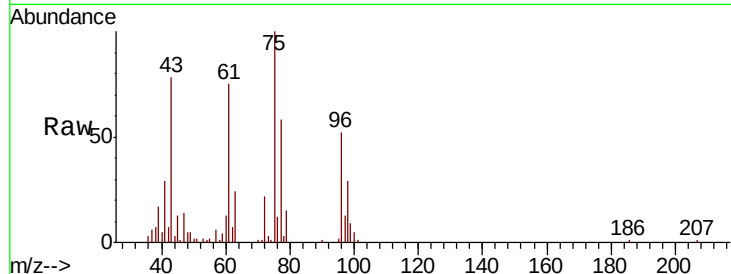


#27

cis-1,2-Dichloroethene
Concen: 5.822 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

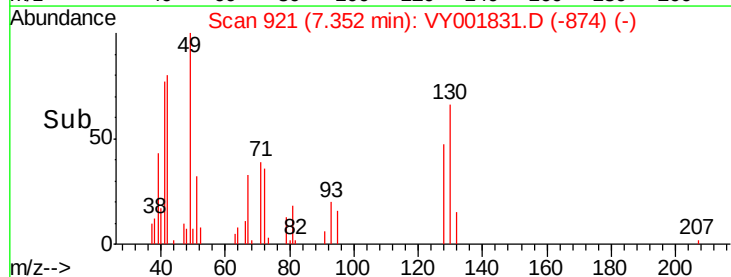
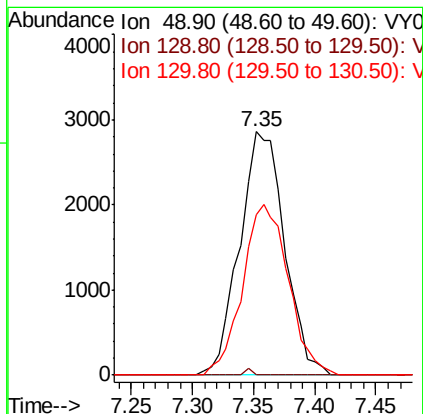
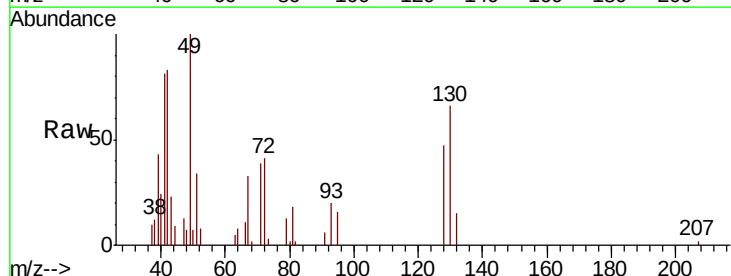
Tot Ion: 96 Resp: 12747
Ion Ratio Lower Upper
96 100
61 145.0 0.0 290.8
98 62.2 0.0 128.6

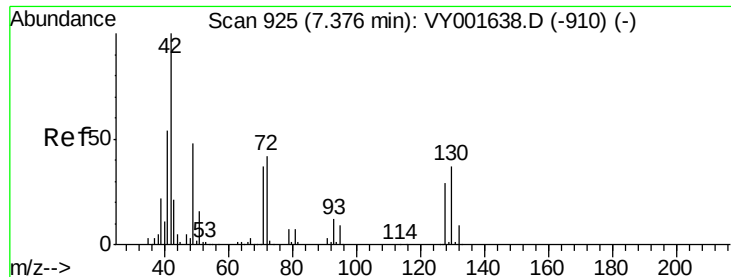


#28

Bromochloromethane
Concen: 5.172 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 49 Resp: 7317
Ion Ratio Lower Upper
49 100
129 0.4 0.0 3.6
130 71.5 56.2 84.4

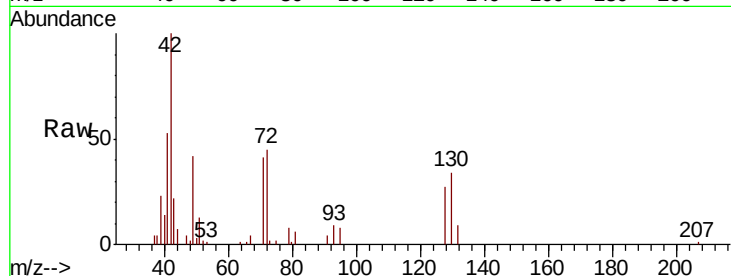




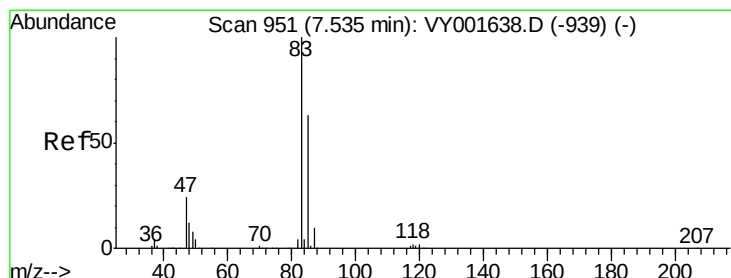
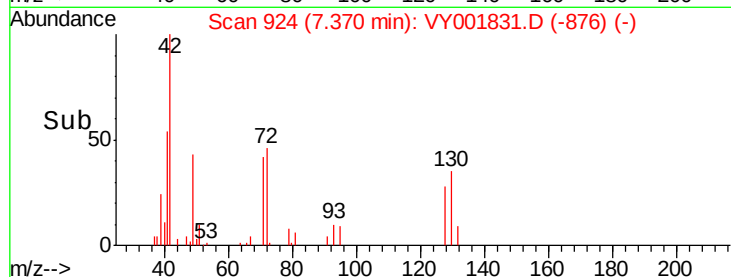
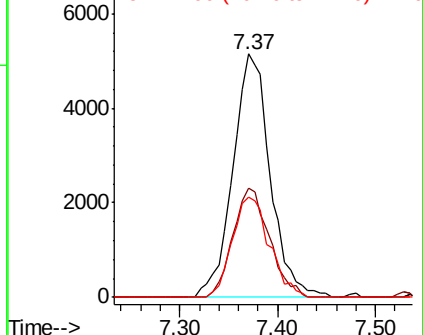
#29
Tetrahydrofuran
Concen: 27.846 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 42 Resp: 13635
Ion Ratio Lower Upper
42 100
72 43.6 34.4 51.6
71 41.0 31.8 47.8

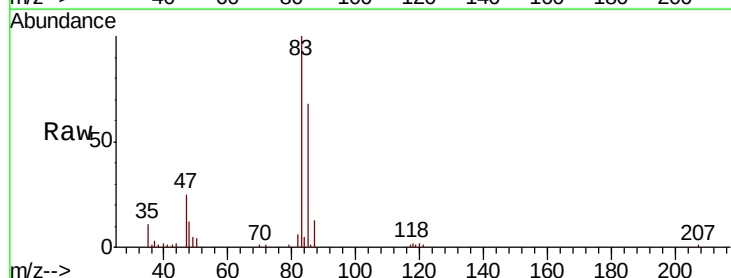


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

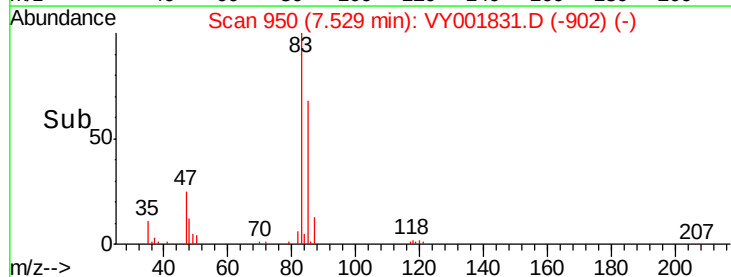
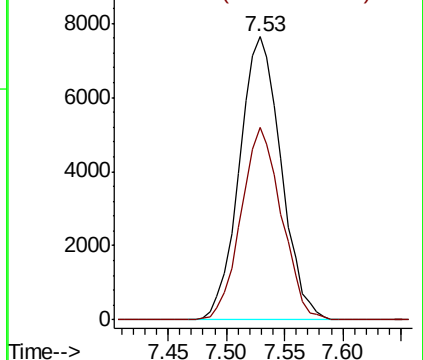


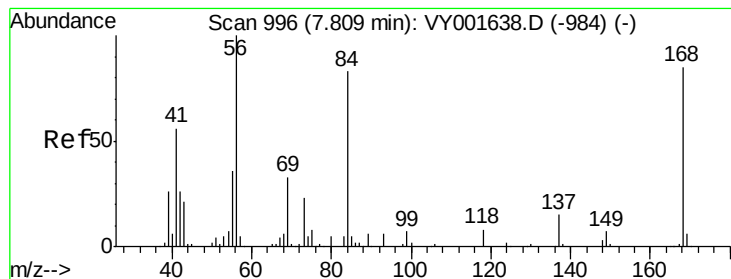
#30
Chloroform
Concen: 5.735 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 83 Resp: 19032
Ion Ratio Lower Upper
83 100
85 68.0 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 6.396 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

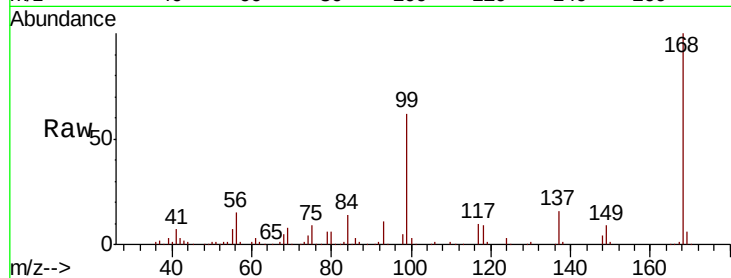
Tot Ion: 56 Resp: 23161

Ion Ratio Lower Upper

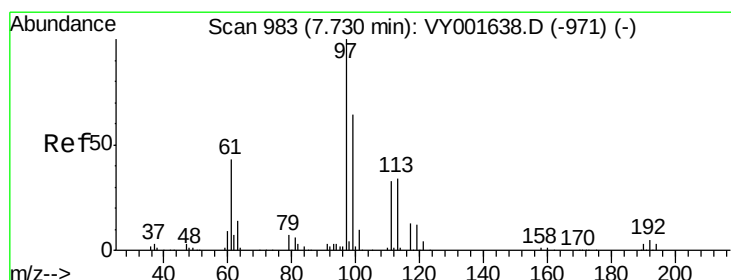
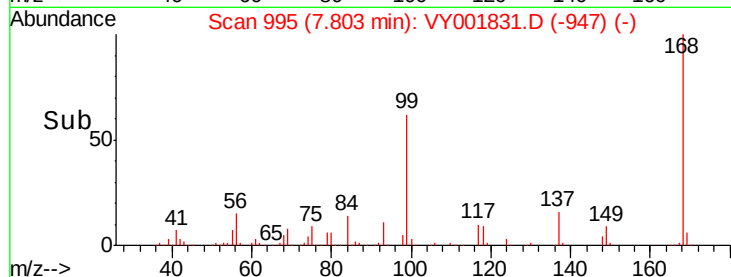
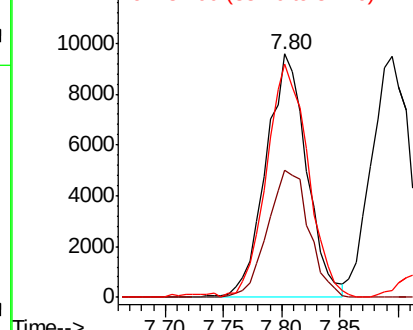
56 100

69 52.0 25.1 37.7#

84 94.9 66.9 100.3



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 5.650 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

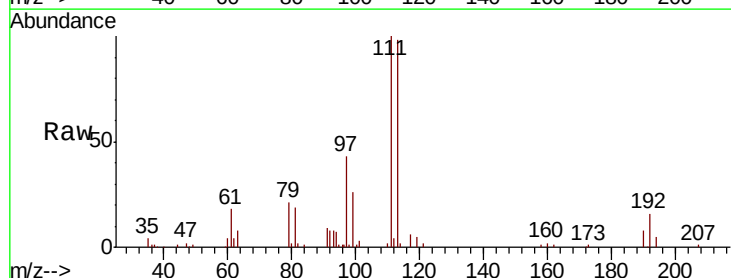
Tgt Ion: 97 Resp: 15757

Ion Ratio Lower Upper

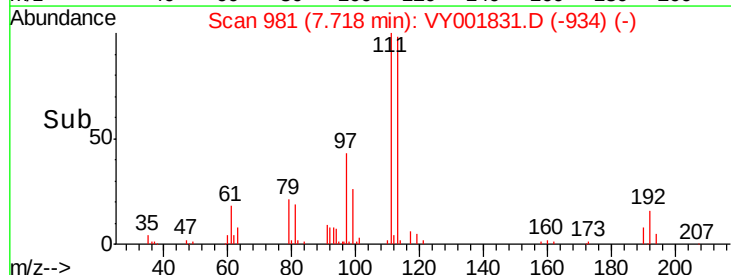
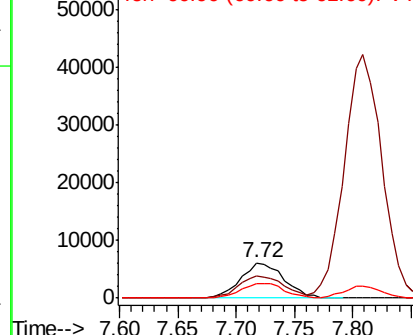
97 100

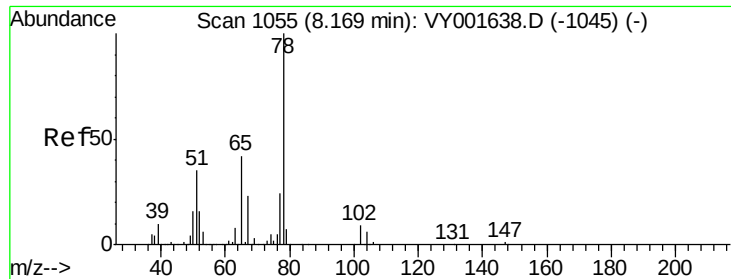
99 65.5 51.2 76.8

61 43.2 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

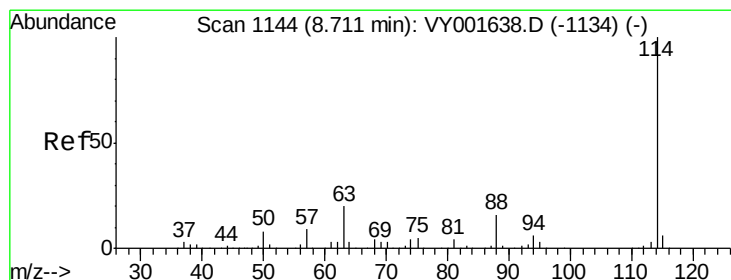
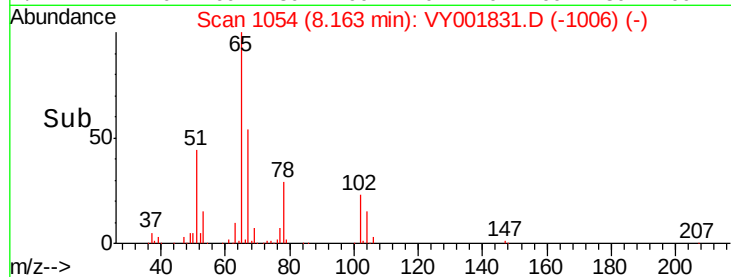
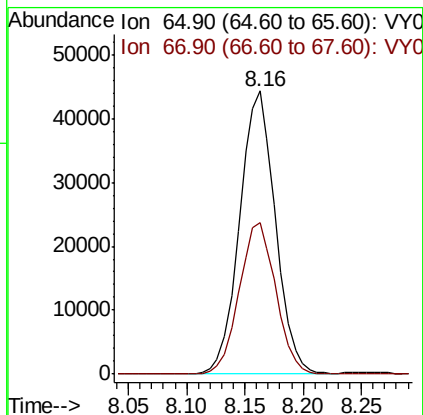
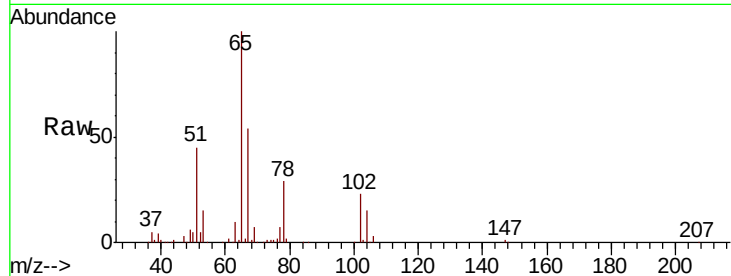




#33
 1,2-Dichloroethane-d4
 Concen: 54.798 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

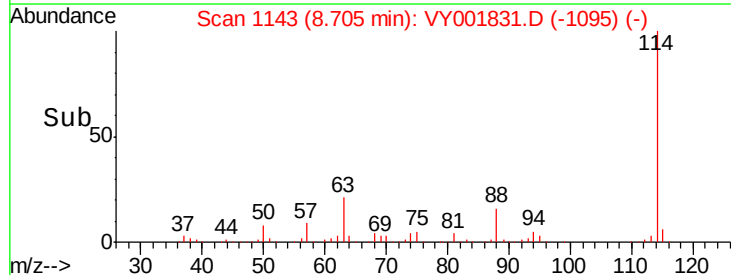
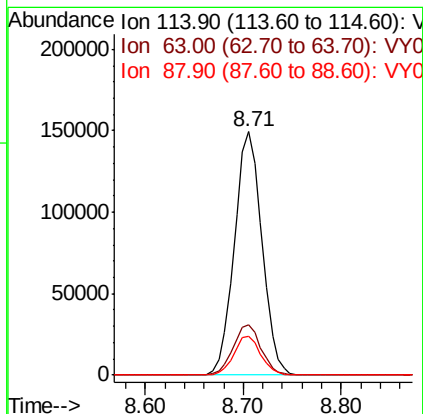
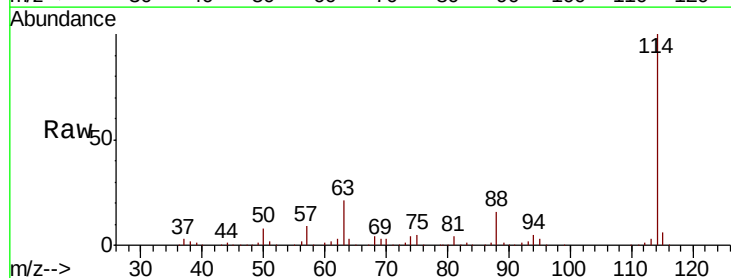
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

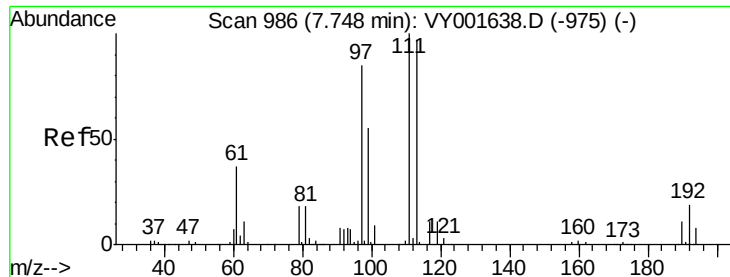
Tot Ion: 65 Resp: 94447
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 114 Resp: 291876
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.493 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

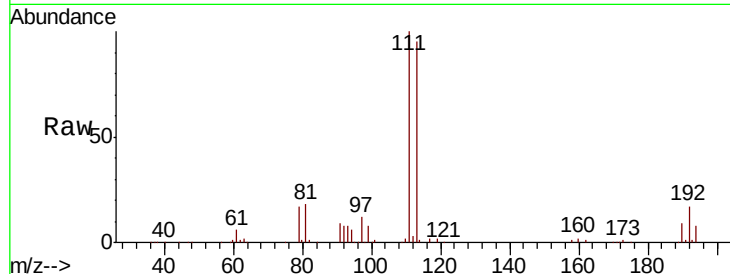
Tot Ion:113 Resp: 86082

Ion Ratio Lower Upper

113 100

111 104.6 81.9 122.9

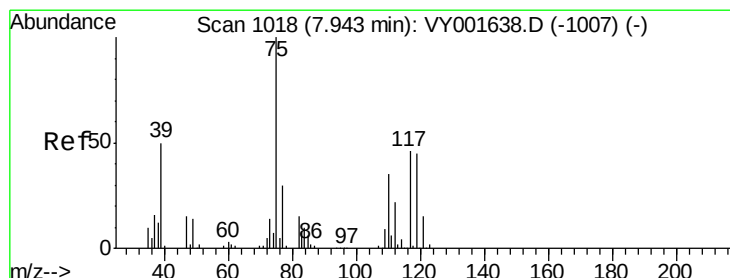
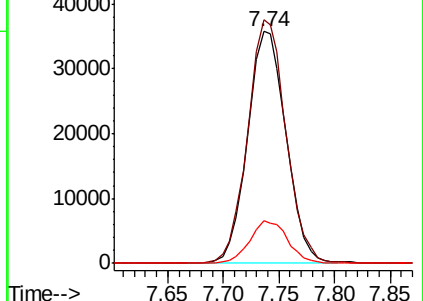
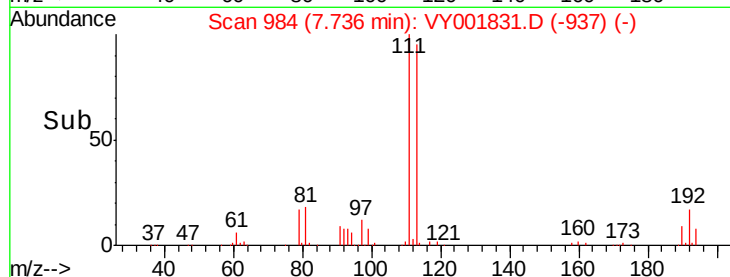
192 18.0 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.572 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

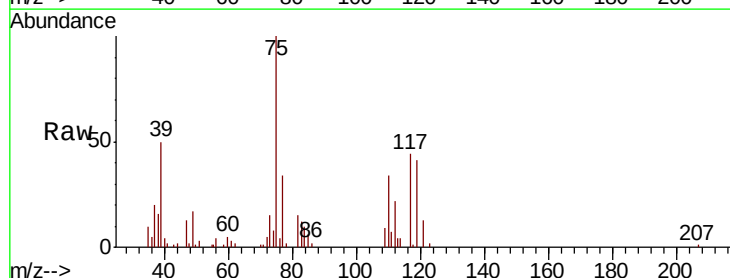
Tgt Ion: 75 Resp: 15534

Ion Ratio Lower Upper

75 100

110 35.5 17.2 51.6

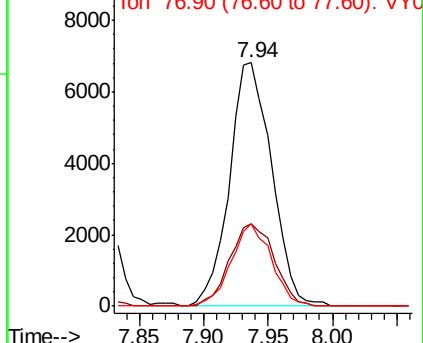
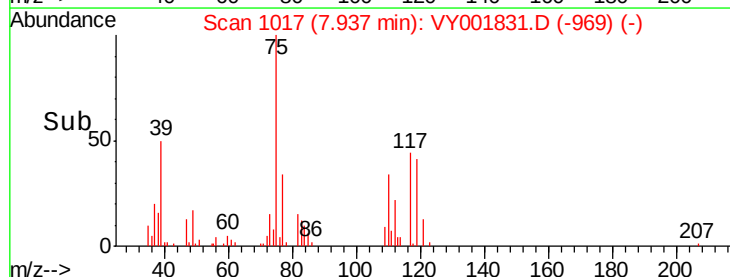
77 31.9 24.8 37.2

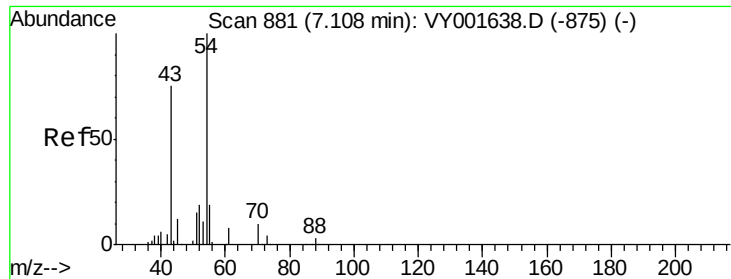


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

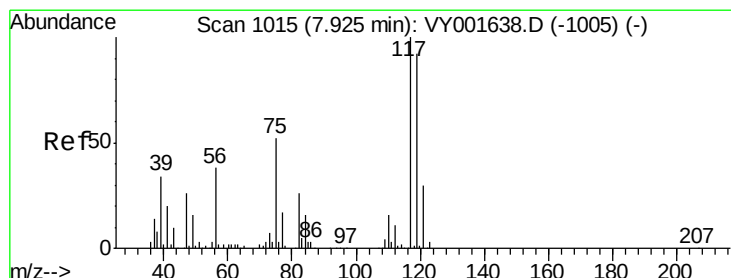
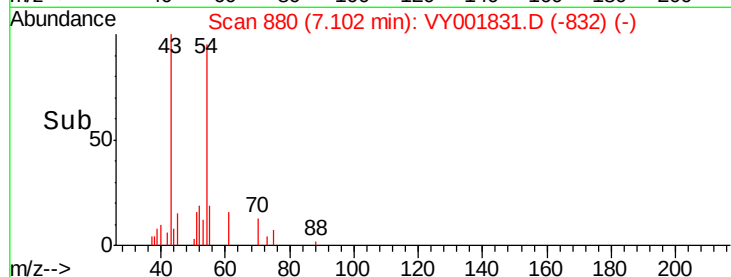
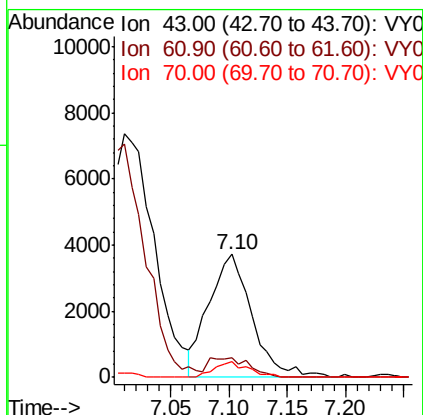
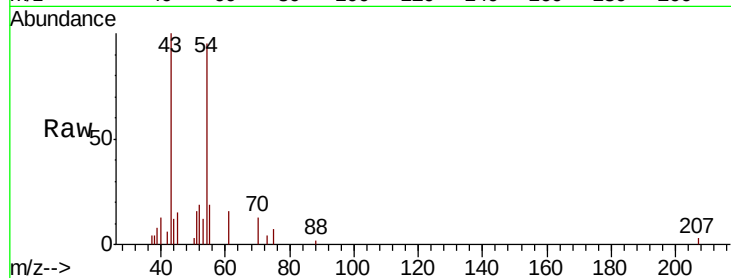




#37
Ethyl Acetate
Concen: 5.749 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

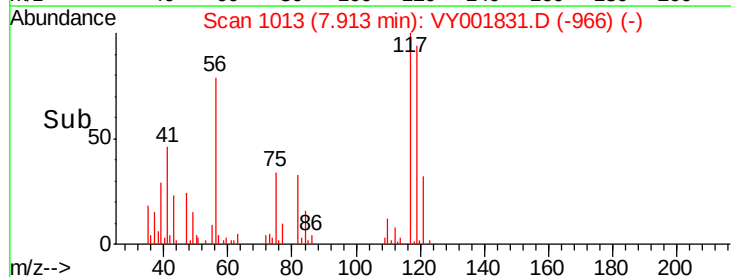
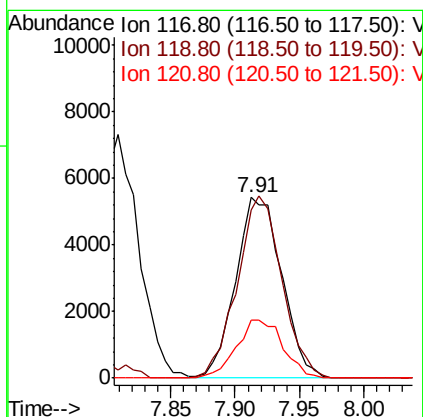
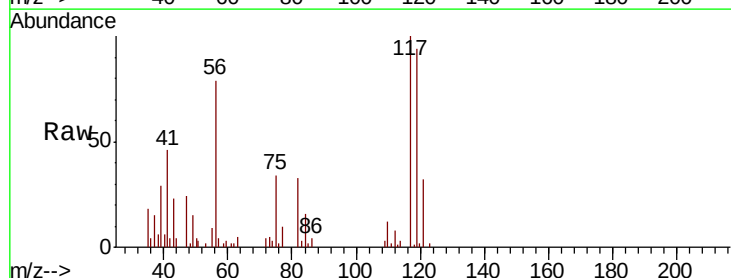
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

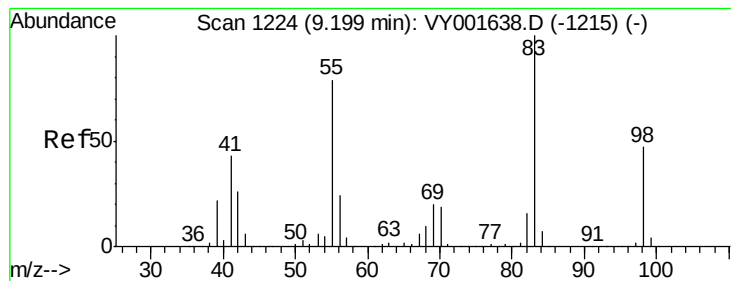
Tot Ion: 43 Resp: 9567
Ion Ratio Lower Upper
43 100
61 14.7 11.0 16.6
70 10.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 117 Resp: 13499
Ion Ratio Lower Upper
117 100
119 93.5 74.8 112.2
121 31.9 23.8 35.6

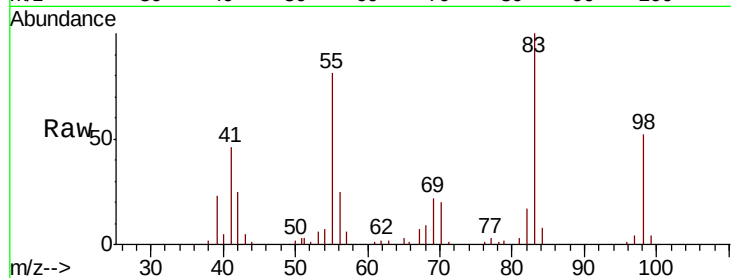




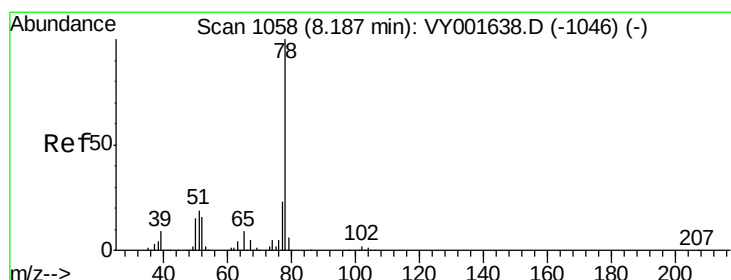
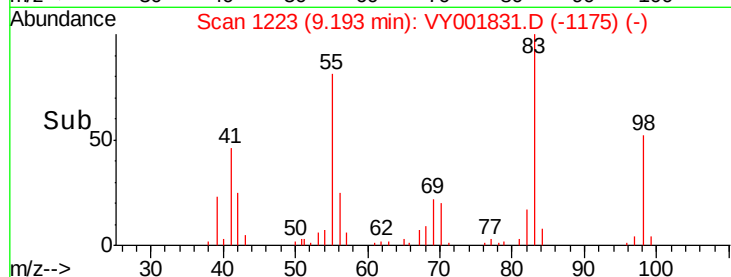
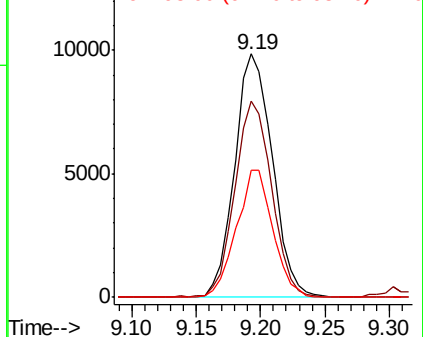
#39
Methylvlcyclohexane
Concen: 5.406 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 83 Resp: 19995
Ion Ratio Lower Upper
83 100
55 80.8 61.3 91.9
98 52.1 38.0 57.0

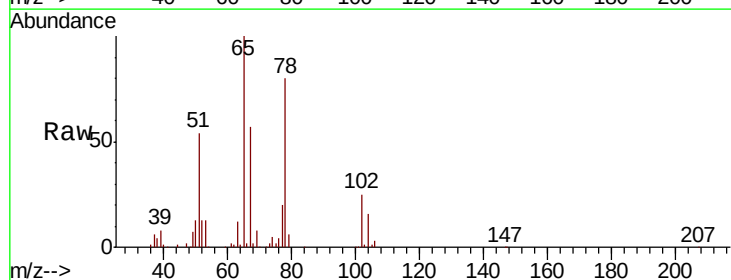


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

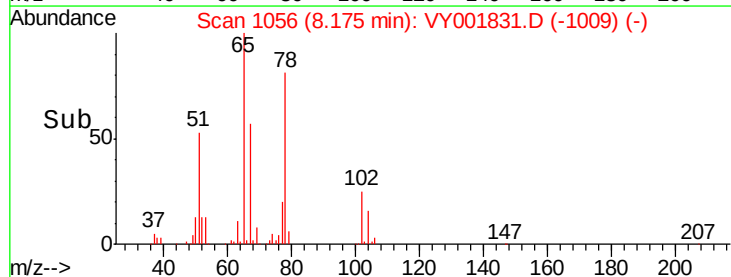
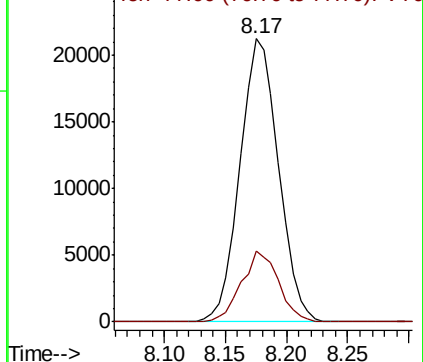


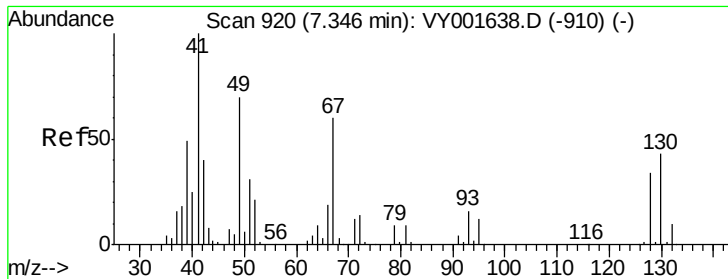
#40
Benzene
Concen: 5.672 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 78 Resp: 46507
Ion Ratio Lower Upper
78 100
77 25.2 18.2 27.4



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

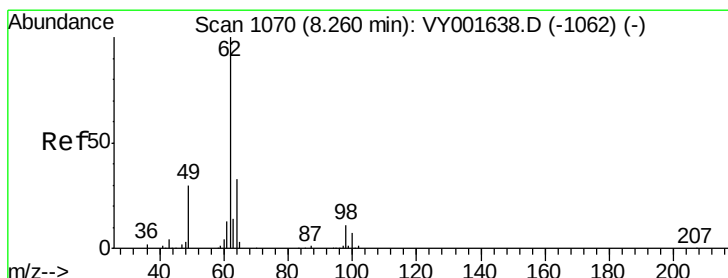
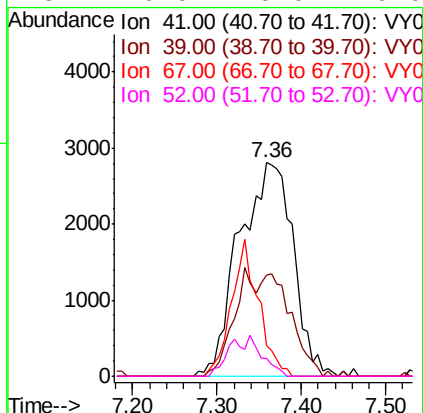
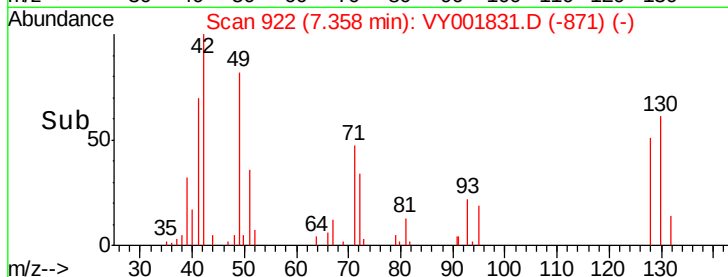
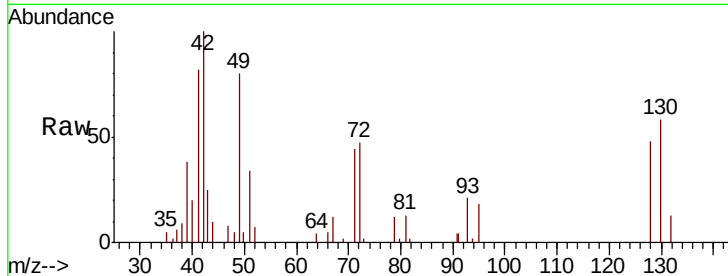




#41
Methacrylonitrile
Concen: 14.698 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

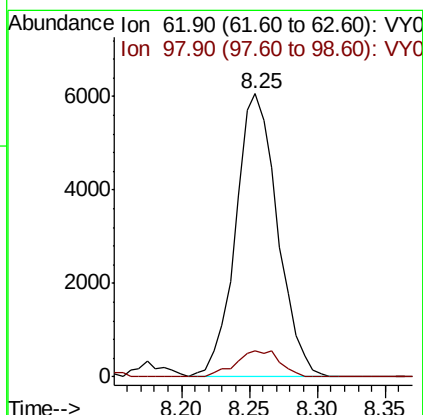
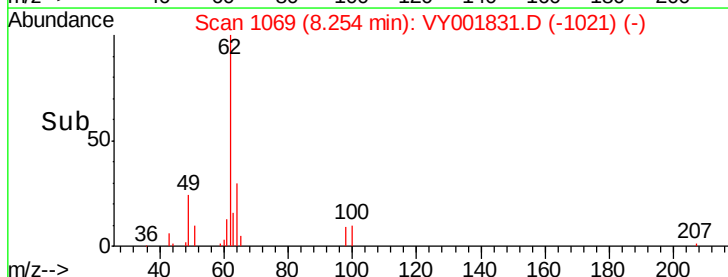
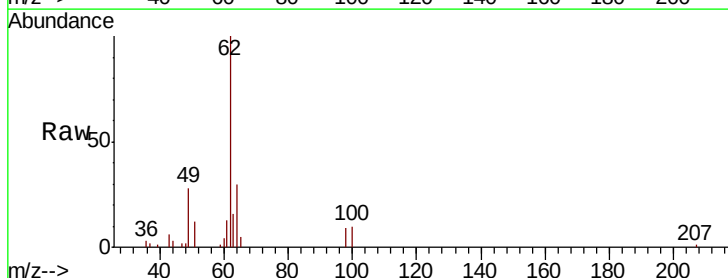
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

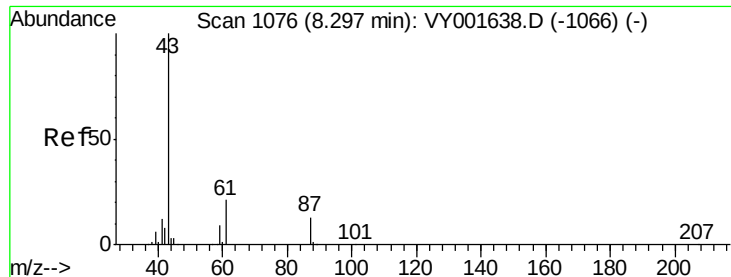
Tot Ion:	41	Resp:	12280
Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 5.840 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion:	62	Resp:	13045
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.8





#43

Isopropyl Acetate

Concen: 5.541 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

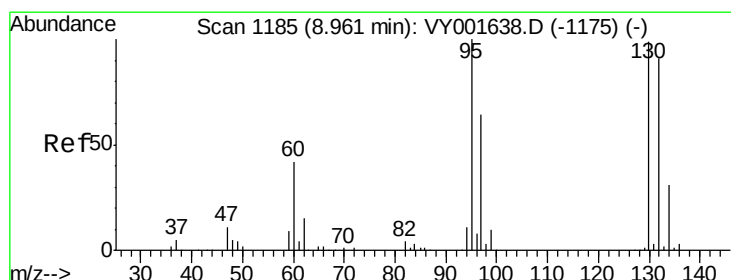
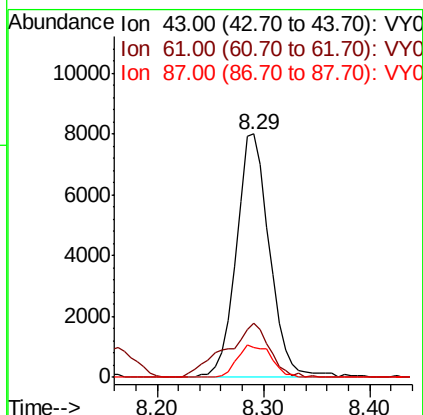
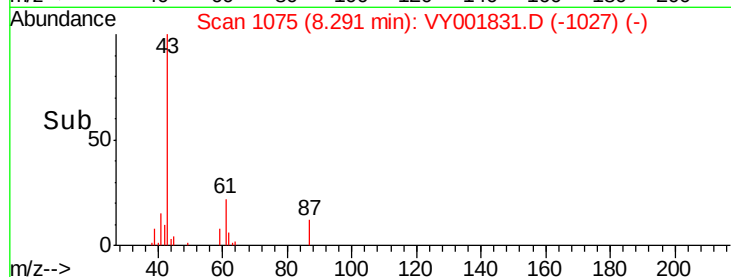
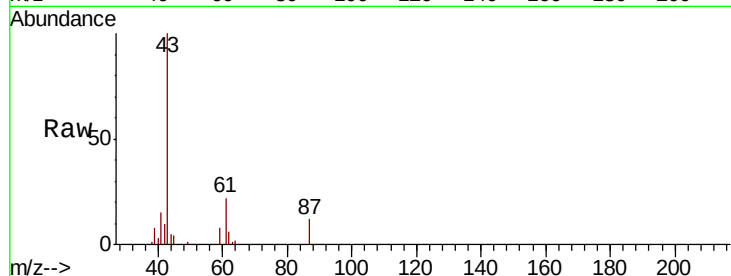
Tot Ion: 43 Resp: 17495

Ion Ratio Lower Upper

43 100

61 28.8 23.0 34.4

87 13.5 10.7 16.1



#44

Trichloroethene

Concen: 5.415 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VY001831.D

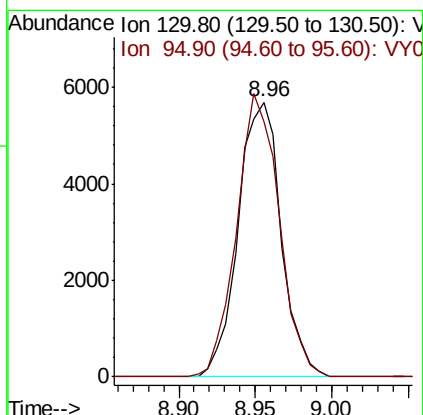
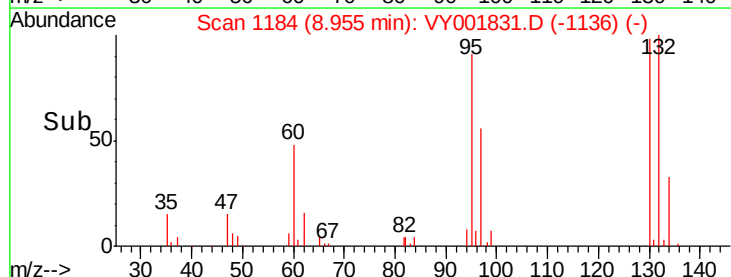
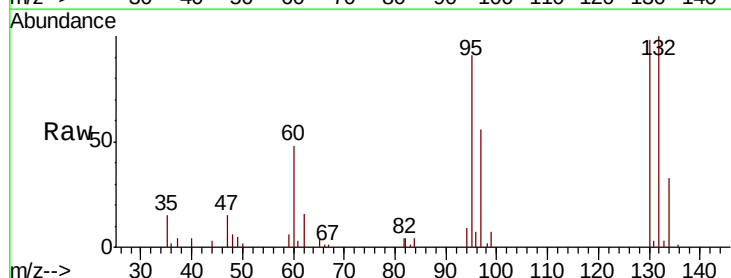
Acq: 03 Mar 2020 13:52

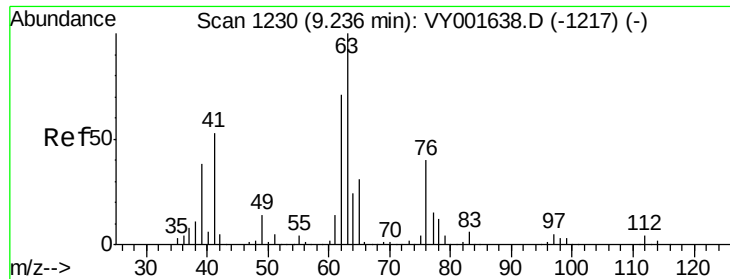
Tgt Ion: 130 Resp: 11084

Ion Ratio Lower Upper

130 100

95 92.7 0.0 200.6

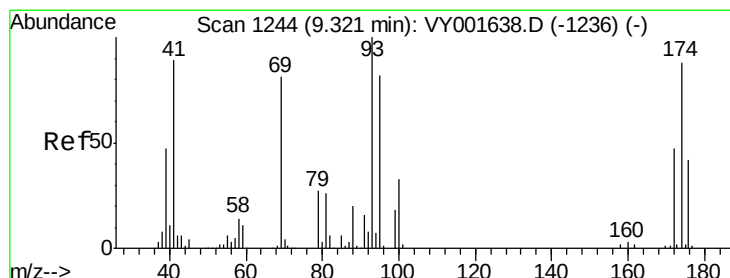
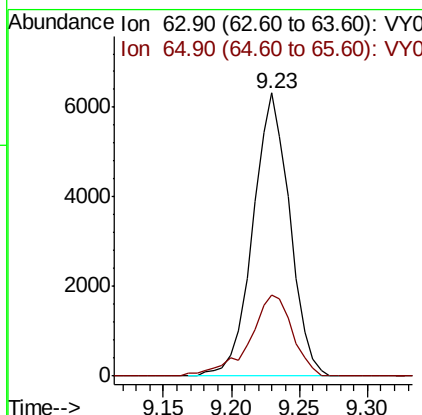
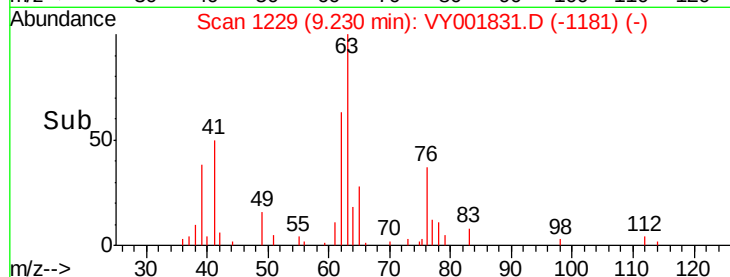
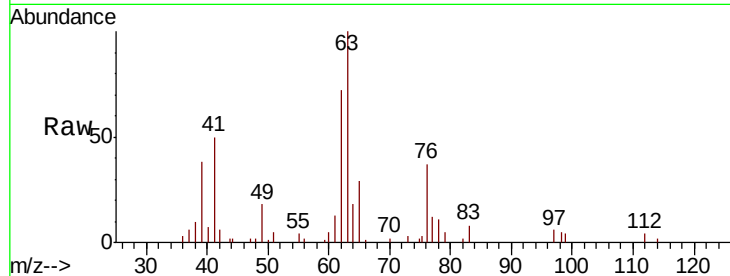




#45
 1,2-Dichloropropane
 Concen: 5.836 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

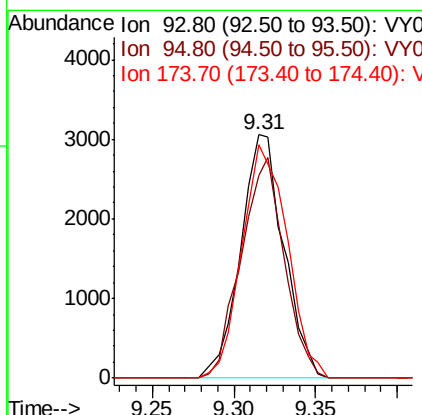
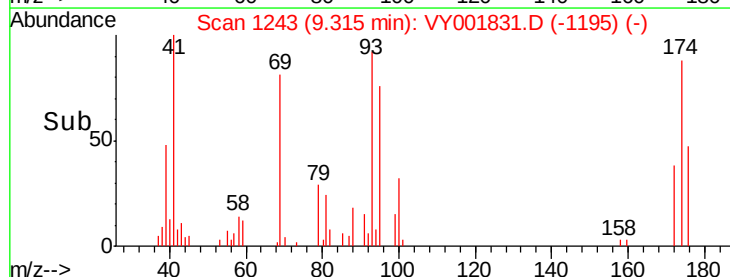
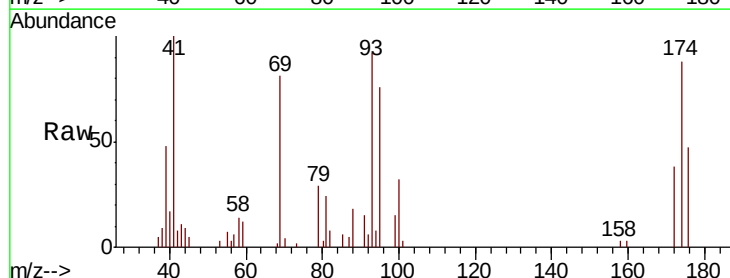
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

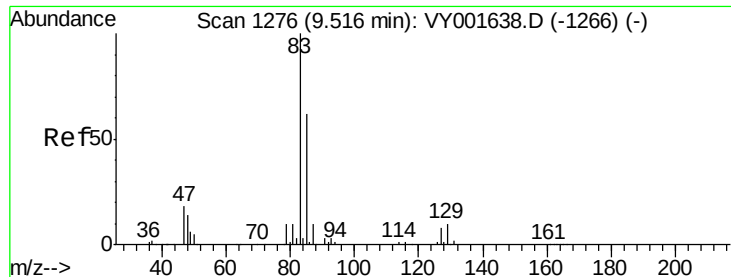
Tot Ion: 63 Resp: 11985
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 37.0



#46
 Dibromomethane
 Concen: 5.233 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 93 Resp: 5621
 Ion Ratio Lower Upper
 93 100
 95 90.7 66.1 99.1
 174 100.6 72.5 108.7

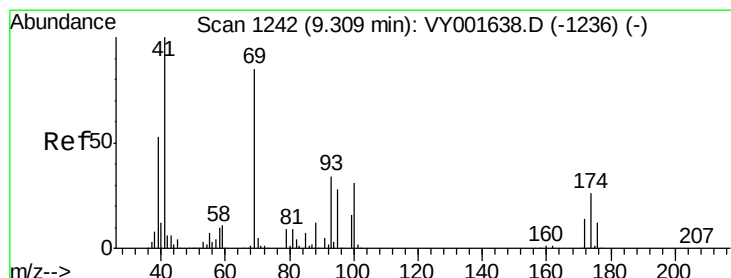
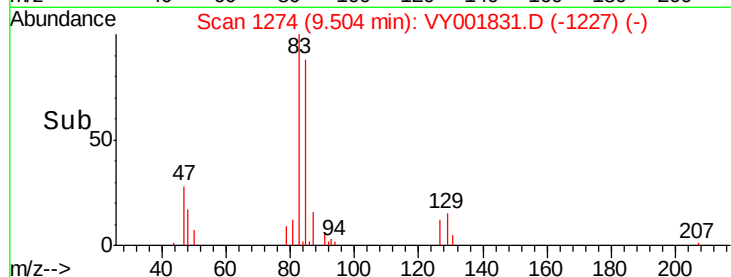
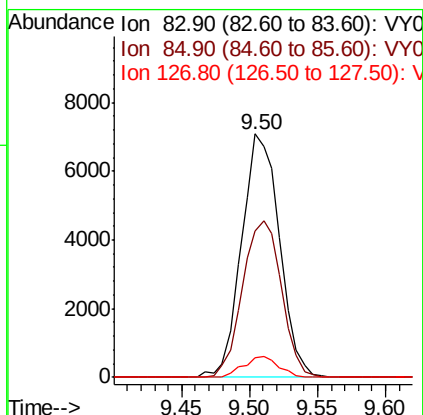
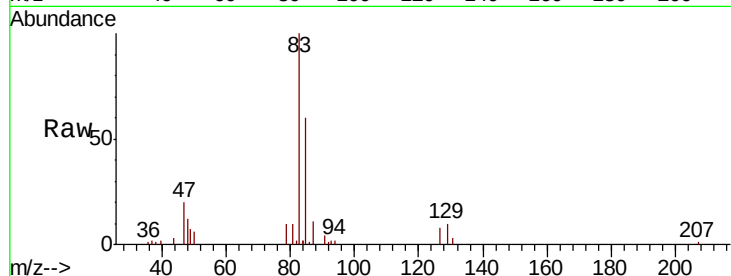




#47
Bromodichloromethane
Concen: 5.326 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

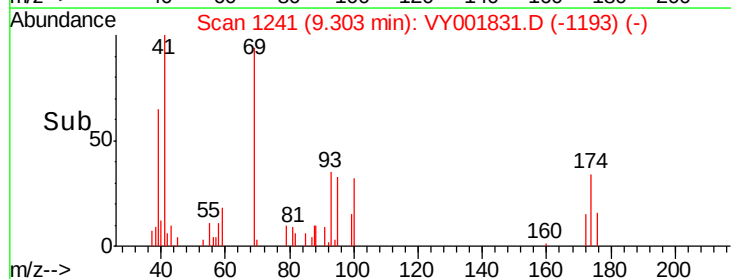
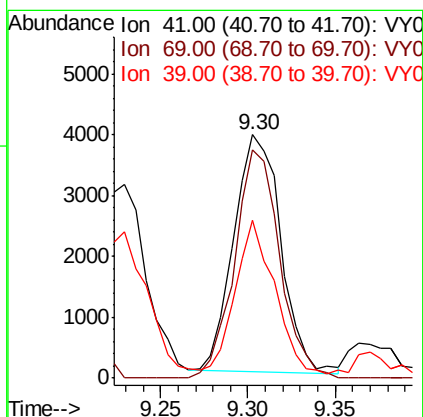
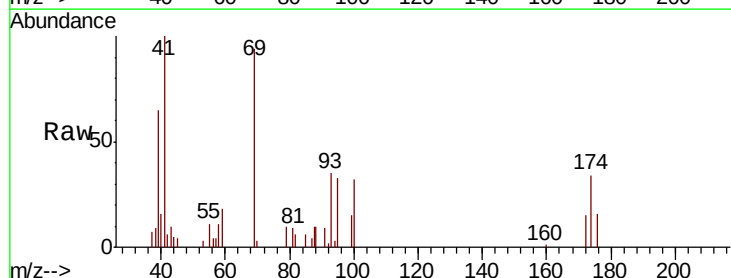
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

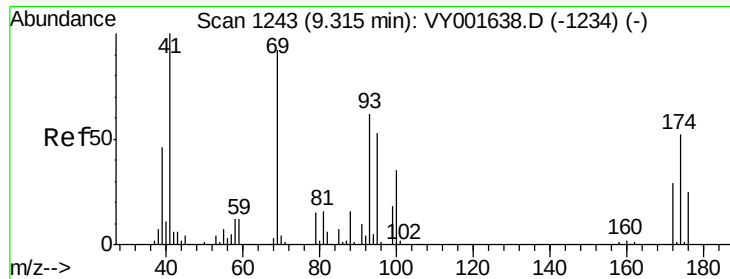
Tot Ion: 83 Resp: 13807
Ion Ratio Lower Upper
83 100
85 60.1 51.4 77.0
127 8.1 6.4 9.6



#48
Methyl methacrylate
Concen: 5.114 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 41 Resp: 7302
Ion Ratio Lower Upper
41 100
69 92.1 70.7 106.1
39 54.3 42.2 63.2

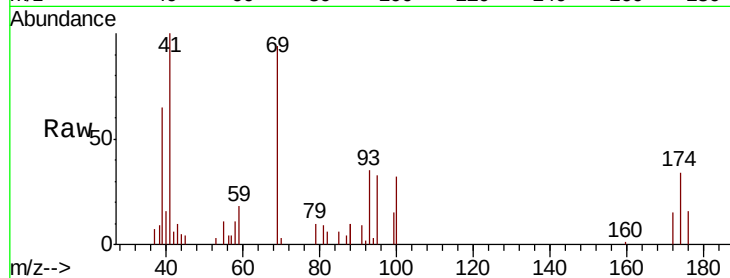




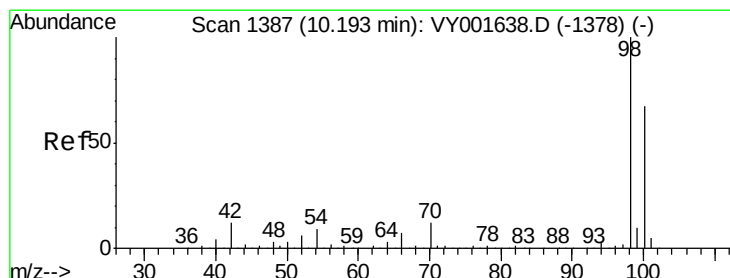
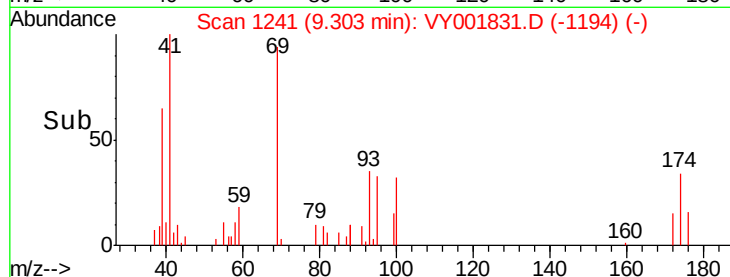
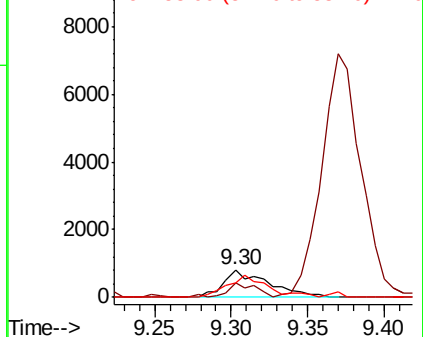
#49
1,4-Dioxane
Concen: 108.174 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 88 Resp: 1641
Ion Ratio Lower Upper
88 100
43 31.0 23.1 34.7
58 73.7 58.1 87.1

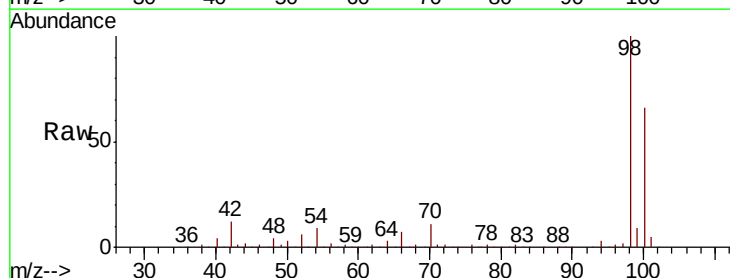


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

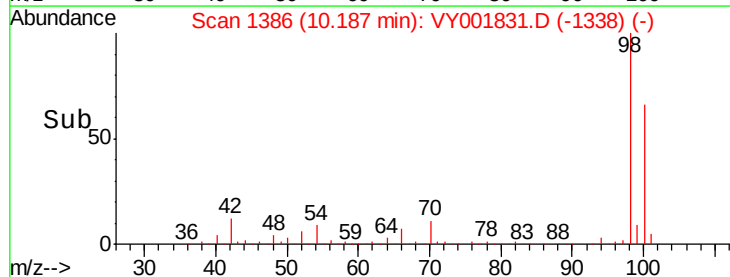
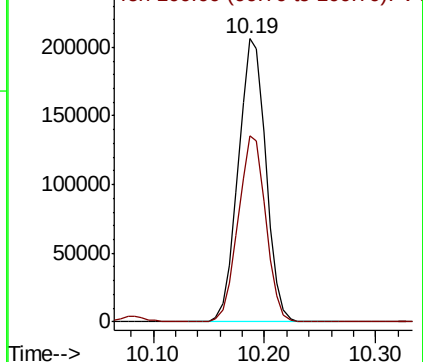


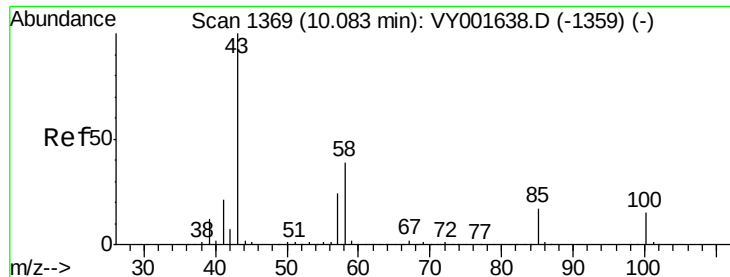
#50
Toluene-d8
Concen: 53.905 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 98 Resp: 353042
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 26.872 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

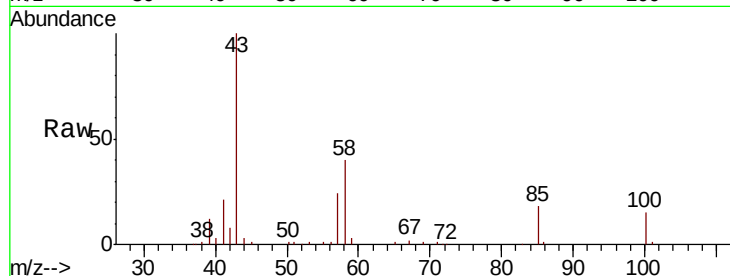
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 43590

Ion Ratio Lower Upper

43 100

58 38.7 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VY001831.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001831.D (-1359) (-)

10.08

25000

20000

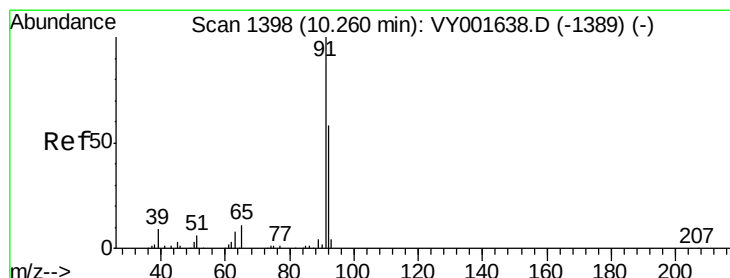
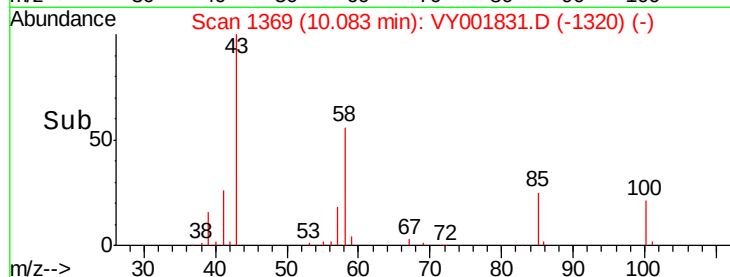
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 5.637 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001831.D

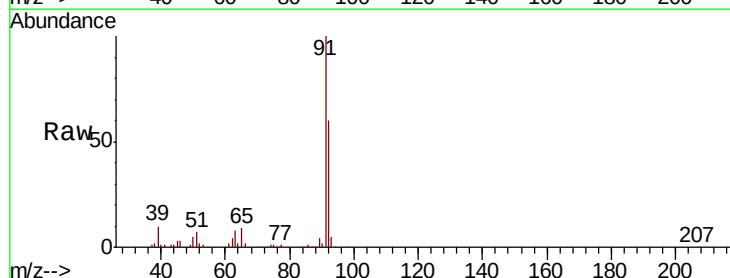
Acq: 03 Mar 2020 13:52

Tgt Ion: 92 Resp: 28834

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY001831.D (-1349) (-)

Ion 91.00 (90.70 to 91.70): VY001831.D (-1349) (-)

10.25

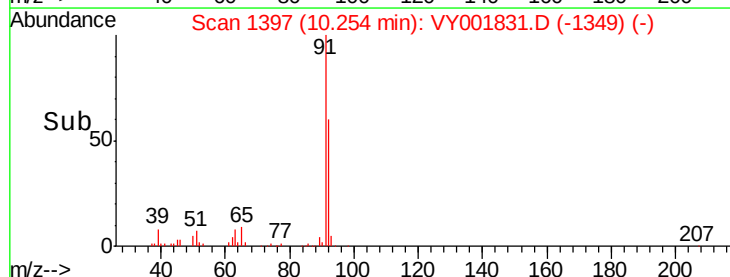
30000

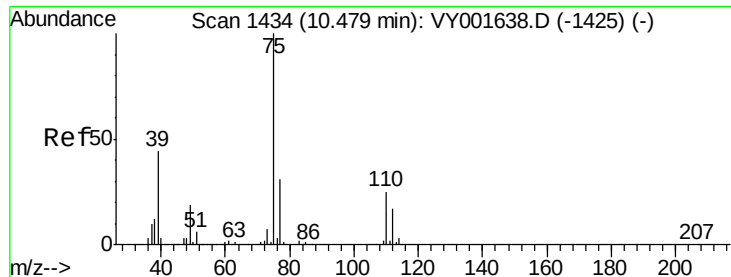
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.159 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

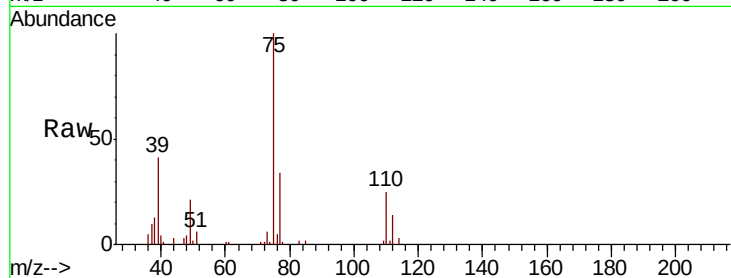
LOQ-SOIL-02-QT1-2020

Tot Ion: 75 Resp: 14785

Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

10000

8000

6000

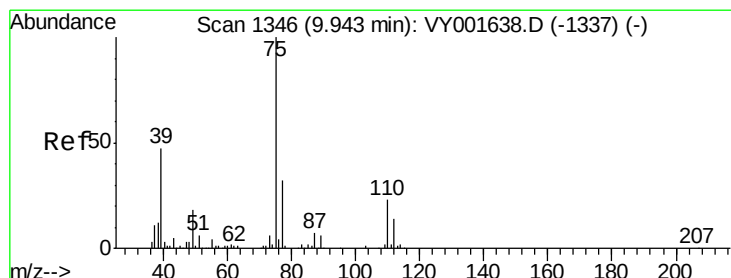
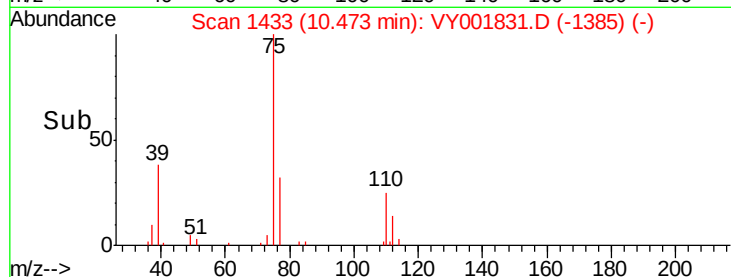
4000

2000

0

Time-->

10.40 10.45 10.50 10.55



#54

cis-1,3-Dichloropropene

Concen: 5.346 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

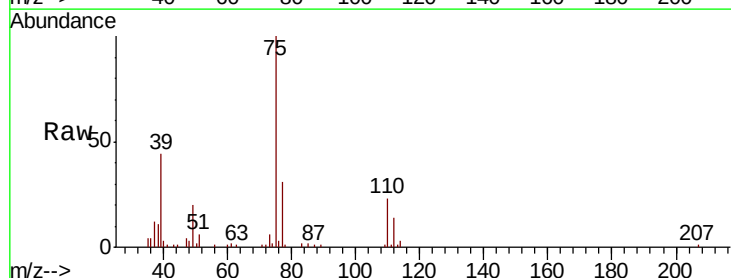
Tgt Ion: 75 Resp: 17632

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5

39 43.8 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.94

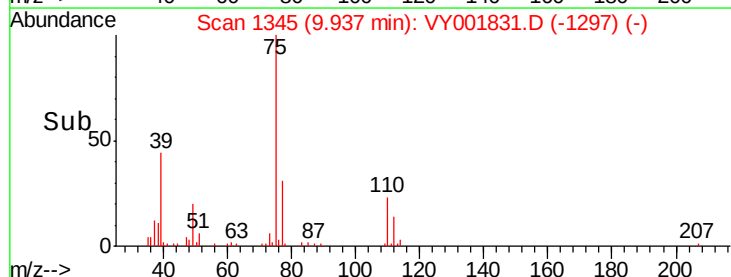
10000

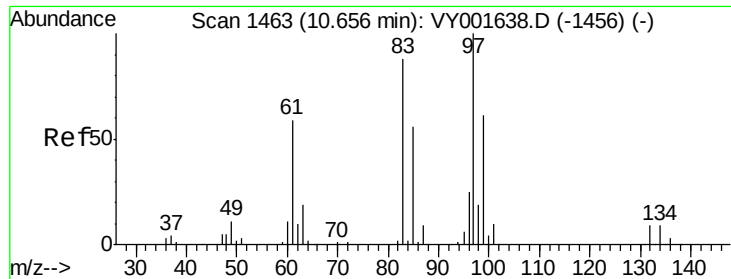
5000

0

Time-->

9.85 9.90 9.95 10.00

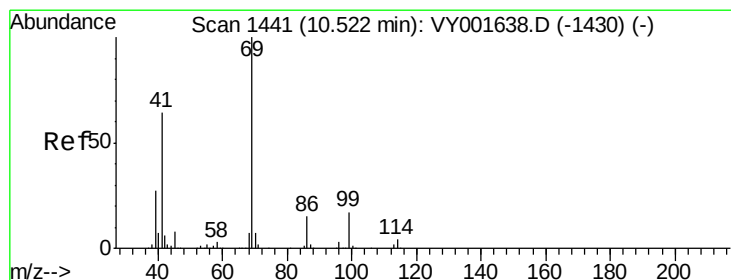
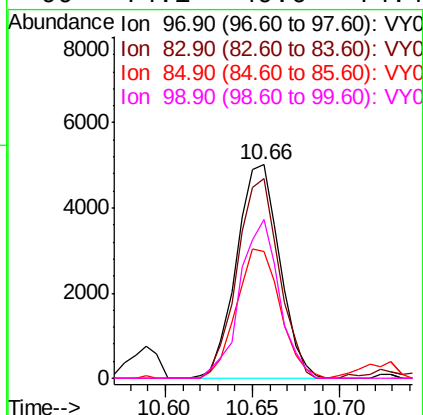
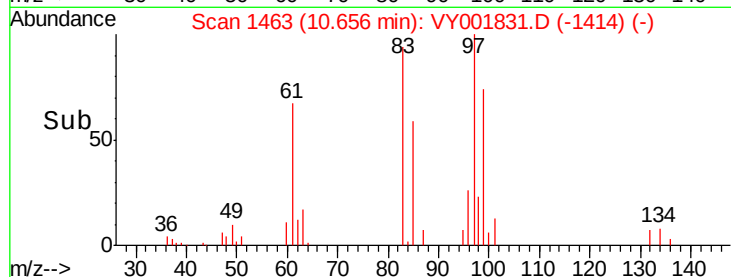
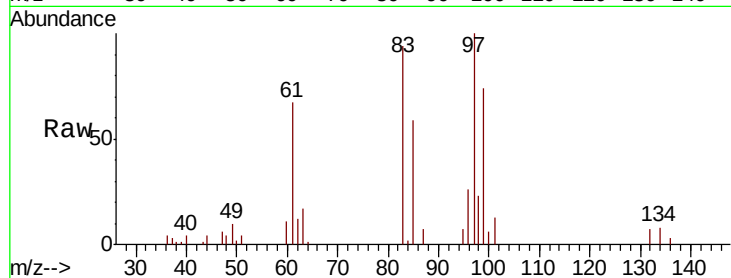




#55
 1,1,2-Trichloroethane
 Concen: 5.463 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

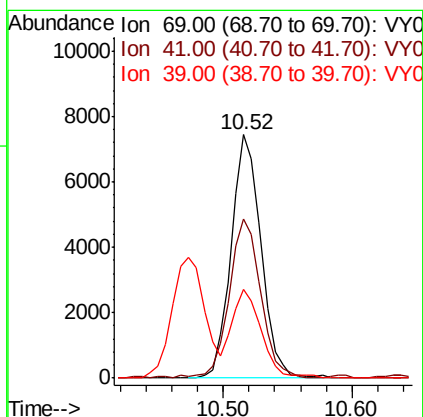
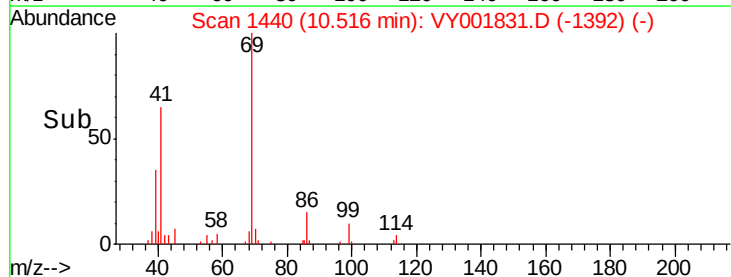
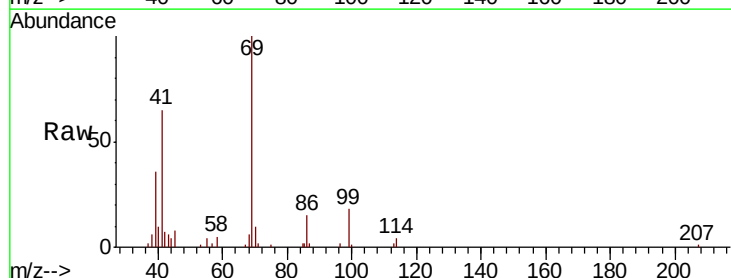
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

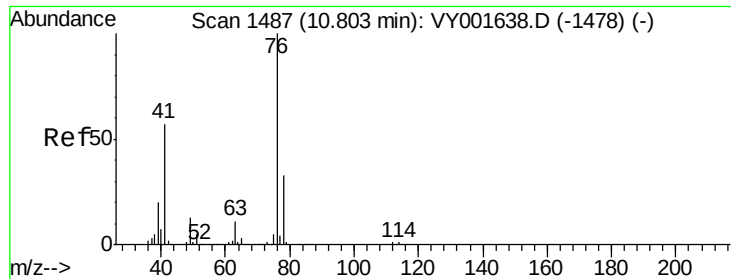
Tot Ion: 97 Resp: 8652
 Ion Ratio Lower Upper
 97 100
 83 93.6 69.7 104.5
 85 59.1 44.5 66.7
 99 74.1 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 5.055 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 69 Resp: 12010
 Ion Ratio Lower Upper
 69 100
 41 69.3 51.0 76.4
 39 36.2 24.7 37.1





#57

1,3-Dichloropropane

Concen: 5.513 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

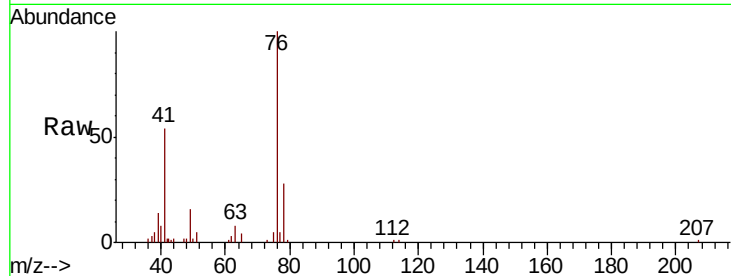
LOQ-SOIL-02-QT1-2020

Tot Ion: 76 Resp: 15513

Ion Ratio Lower Upper

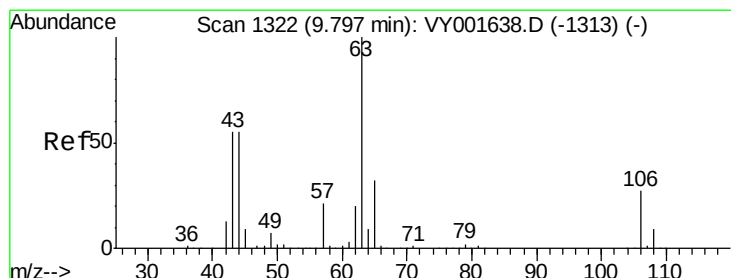
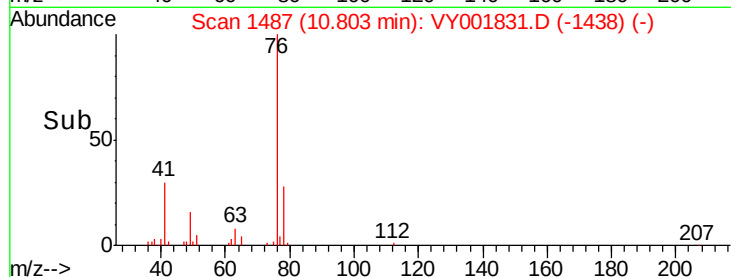
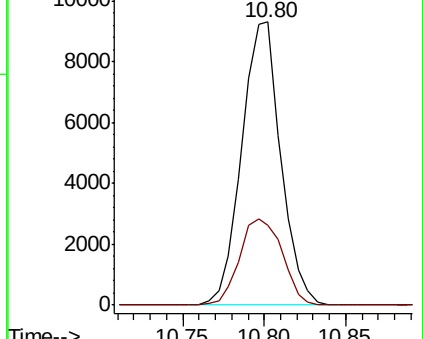
76 100

78 33.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 28.318 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001831.D

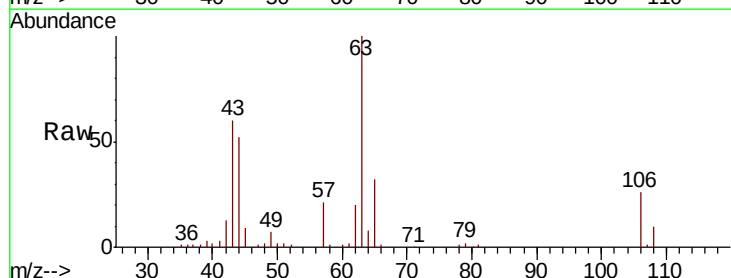
Acq: 03 Mar 2020 13:52

Tgt Ion: 63 Resp: 28096

Ion Ratio Lower Upper

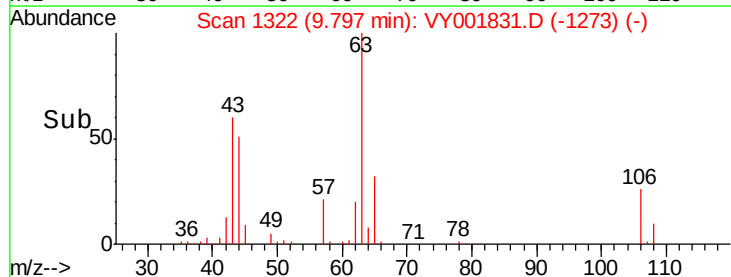
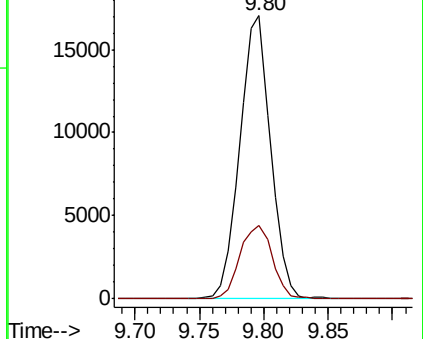
63 100

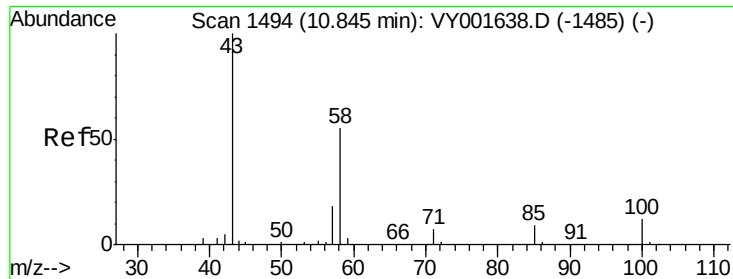
106 27.5 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

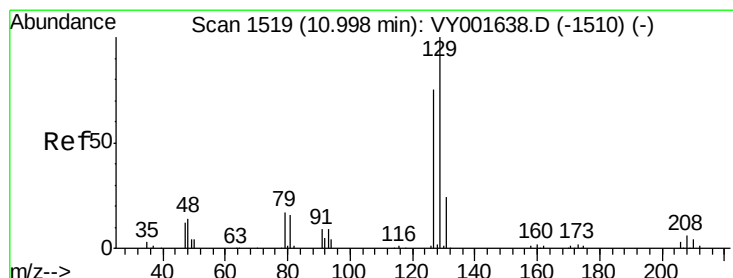
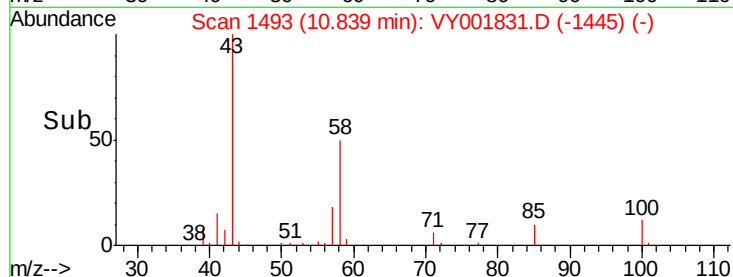
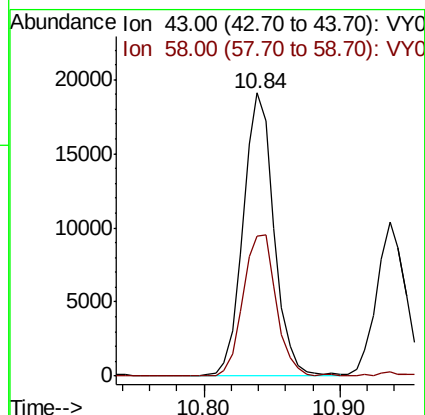
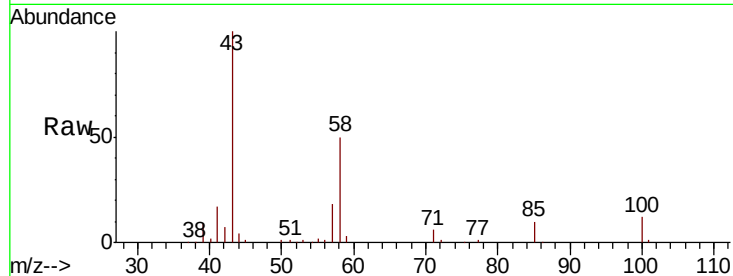




#59
2-Hexanone
Concen: 24.834 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

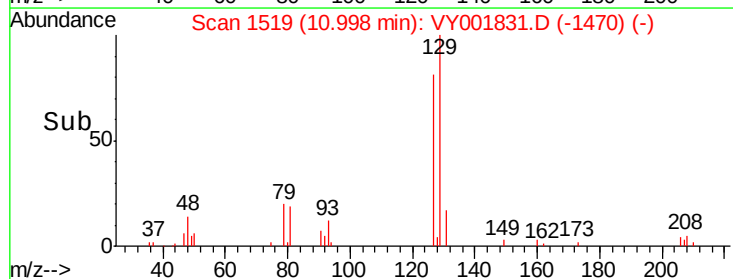
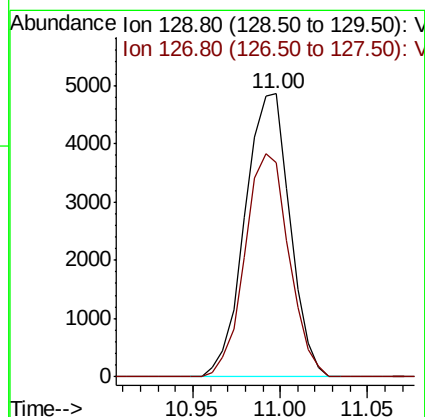
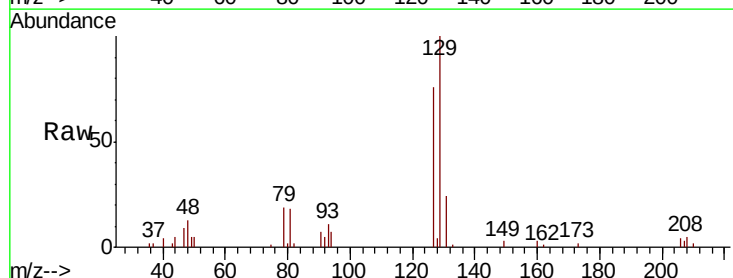
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

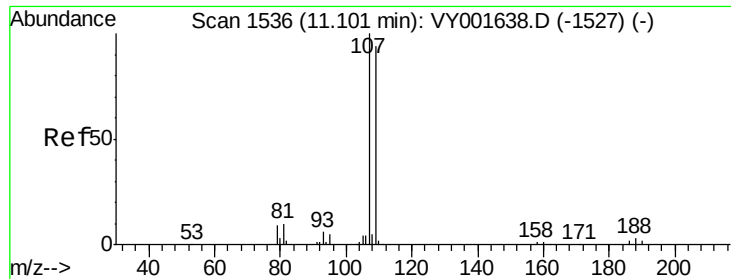
Tot Ion: 43 Resp: 30226
Ion Ratio Lower Upper
43 100
58 53.4 28.4 85.2



#60
Dibromochloromethane
Concen: 4.976 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 129 Resp: 8689
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

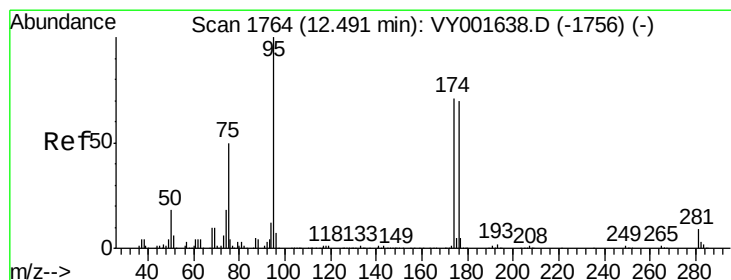
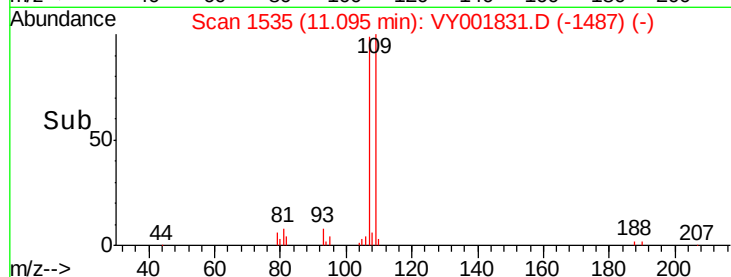
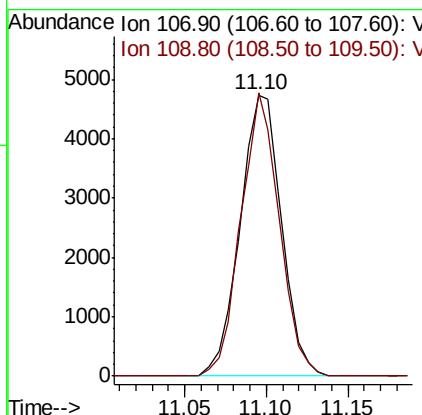
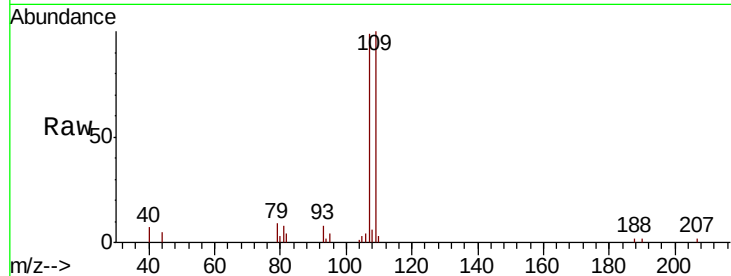




#61
 1,2-Dibromoethane
 Concen: 5.578 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

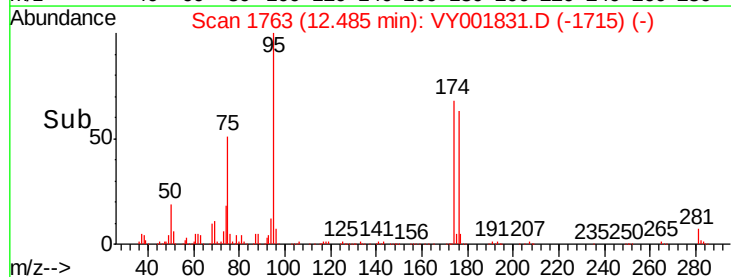
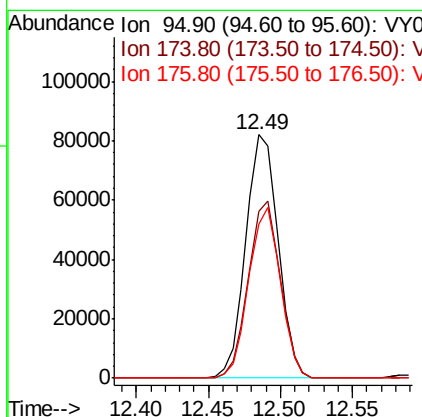
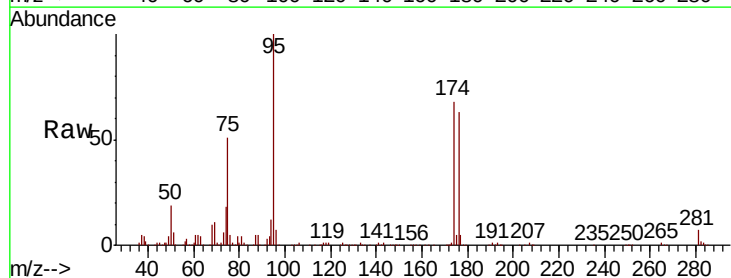
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

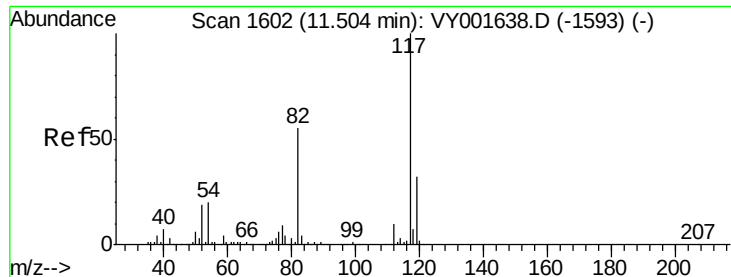
Tot Ion: 107 Resp: 8353
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 50.159 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion: 95 Resp: 127624
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 138.4
 176 68.4 0.0 131.8

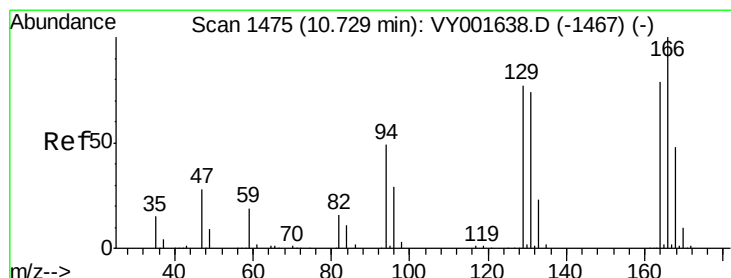
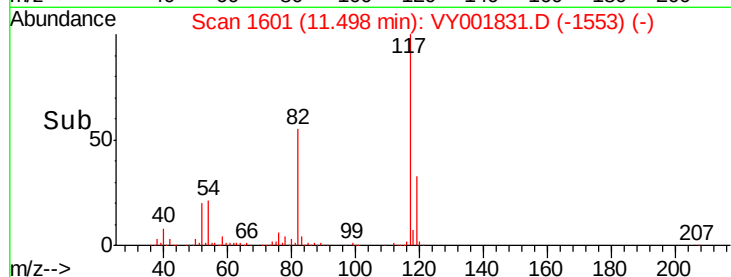
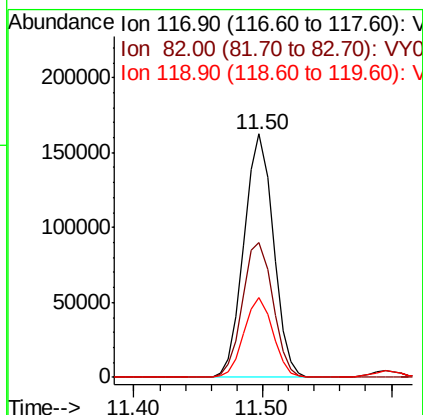
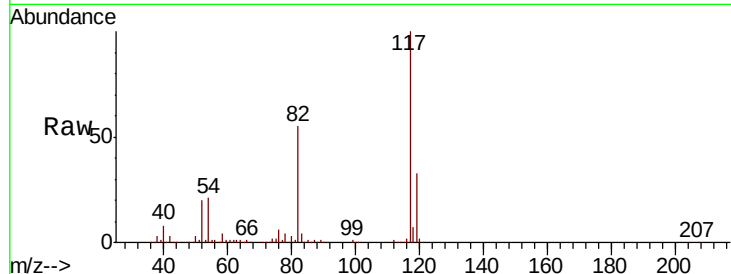




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

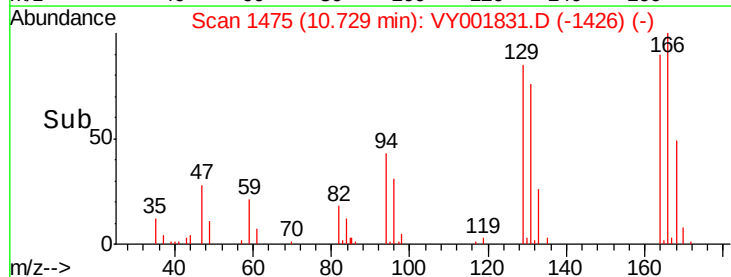
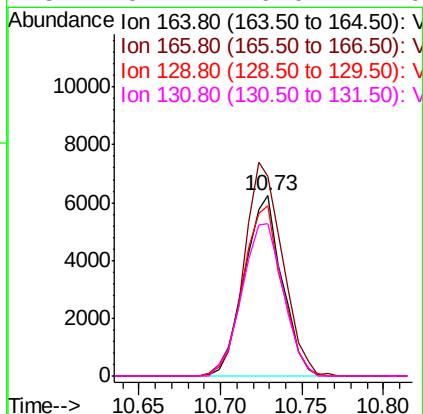
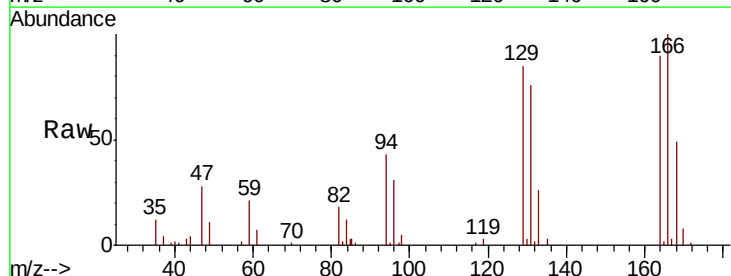
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

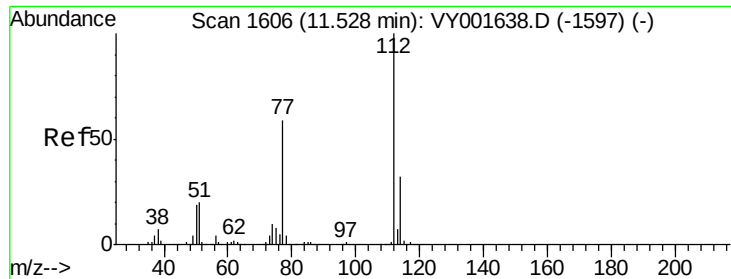
Tot Ion:117 Resp: 257064
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 6.187 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion:164 Resp: 9985
Ion Ratio Lower Upper
164 100
166 110.7 101.4 152.0
129 94.6 78.7 118.1
131 84.4 76.0 114.0





#65

Chlorobenzene

Concen: 5.601 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

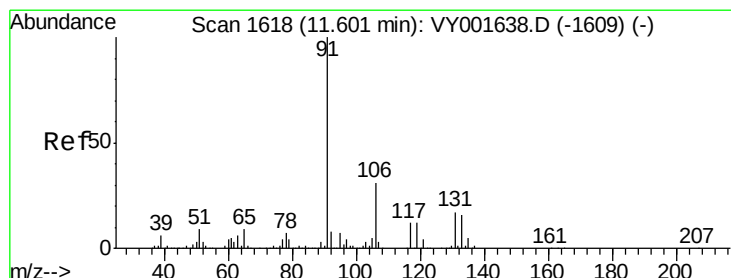
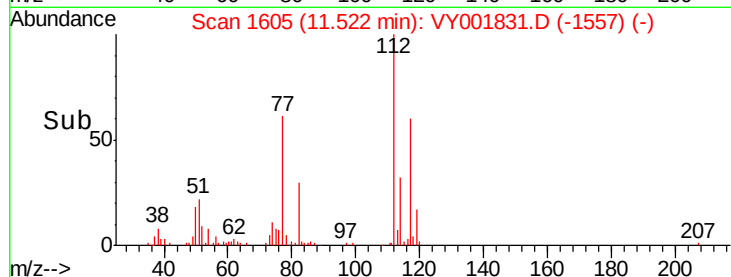
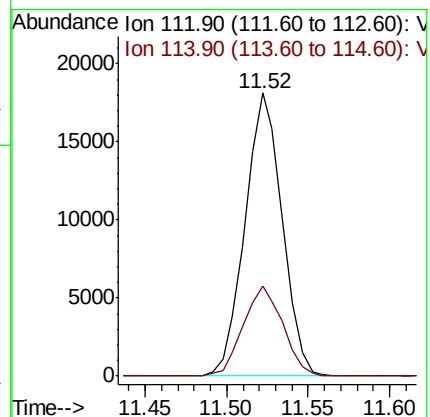
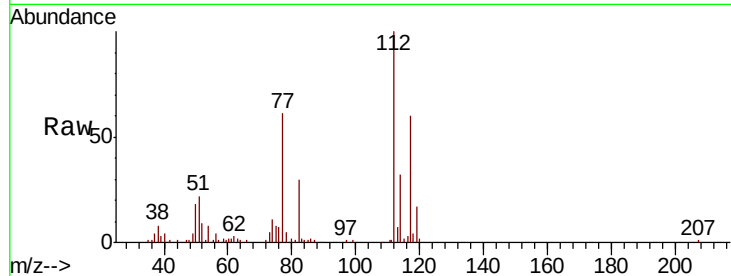
LOQ-SOIL-02-QT1-2020

Tot Ion:112 Resp: 28744

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 5.397 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

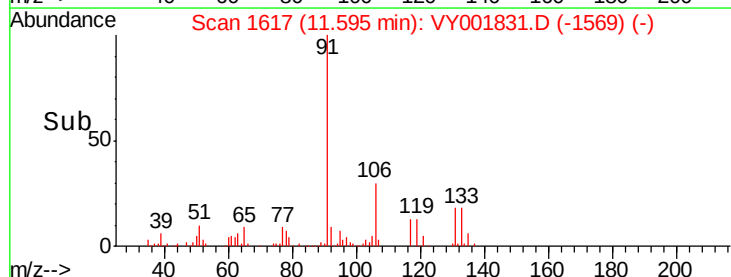
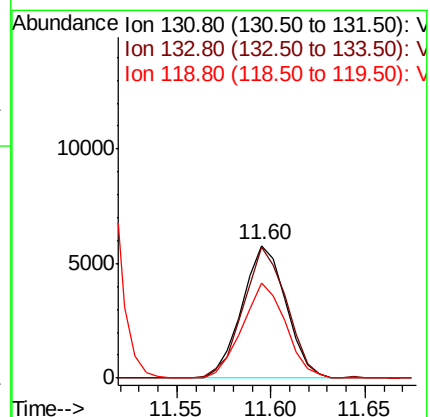
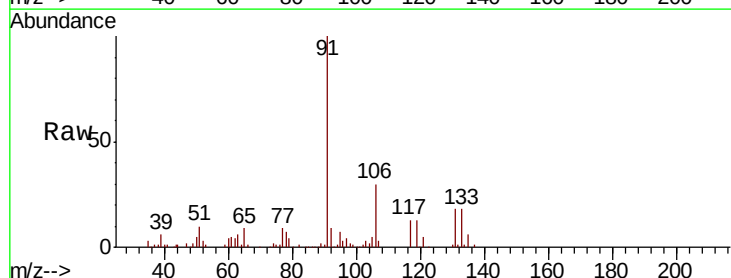
Tgt Ion:131 Resp: 9344

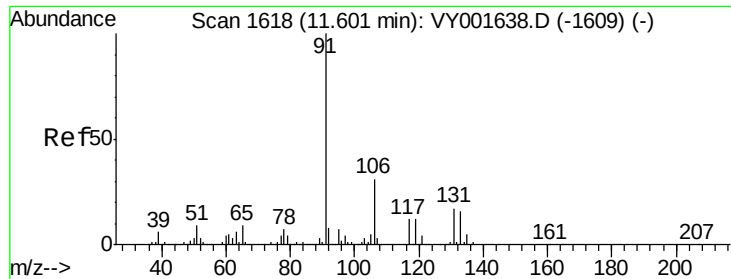
Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.2

119 70.9 34.4 103.1

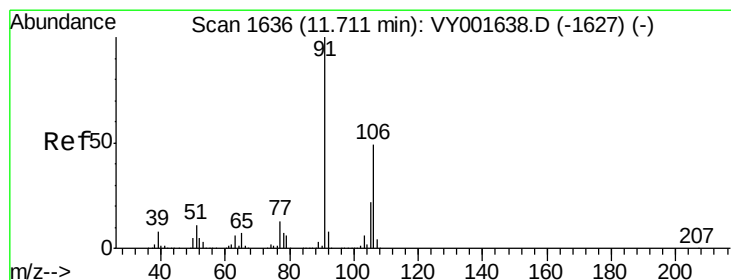
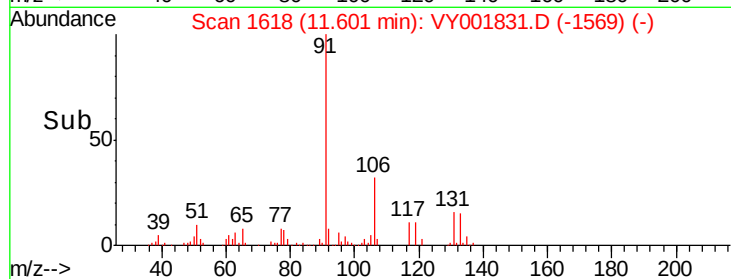
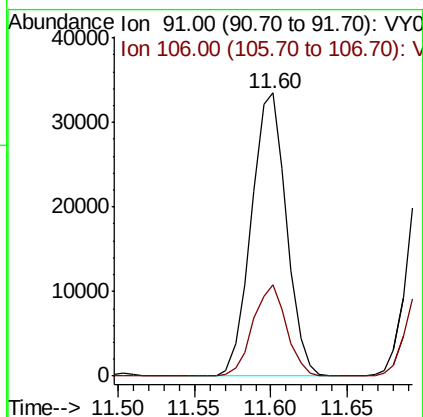
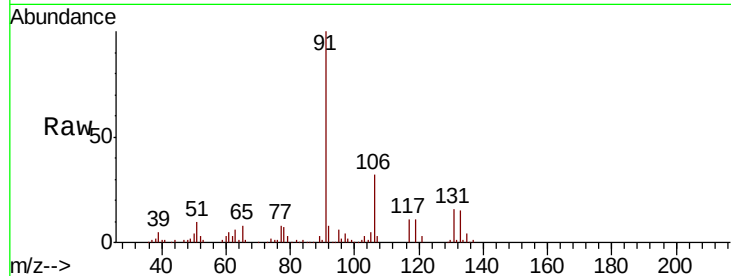




#67
Ethyl Benzene
Concen: 5.613 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

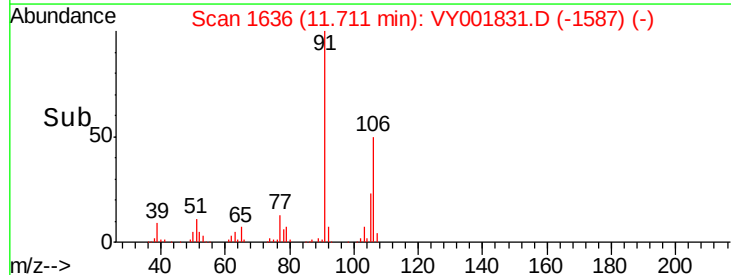
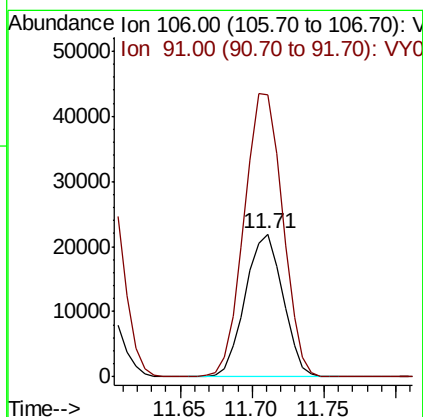
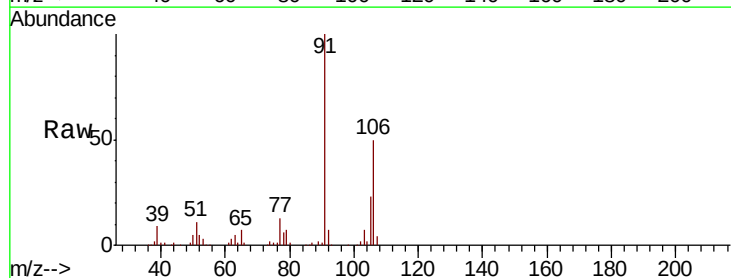
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

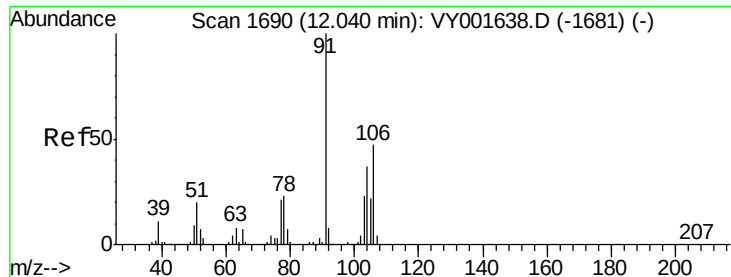
Tot Ion: 91 Resp: 53462
Ion Ratio Lower Upper
91 100
106 32.3 24.5 36.7



#68
m/p-Xylenes
Concen: 11.191 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion: 106 Resp: 39814
Ion Ratio Lower Upper
106 100
91 203.0 163.3 244.9

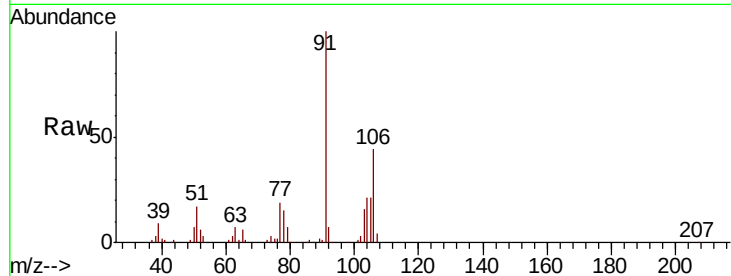




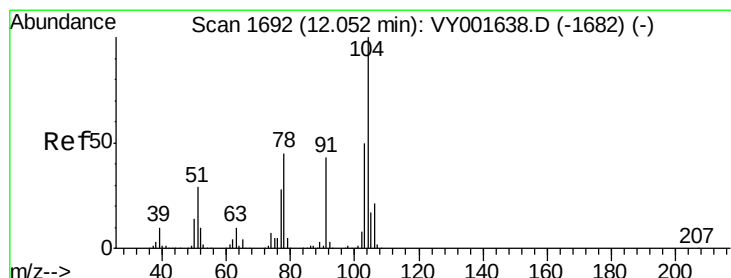
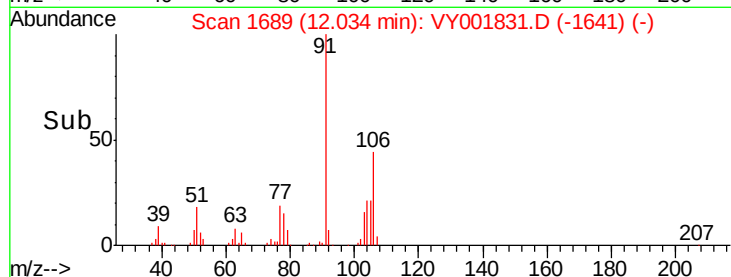
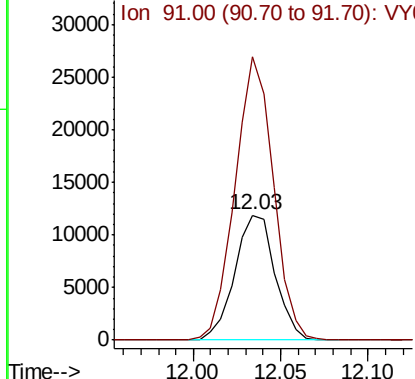
#69
o-Xylene
Concen: 5.614 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:106 Resp: 18990
Ion Ratio Lower Upper
106 100
91 215.8 108.3 324.9

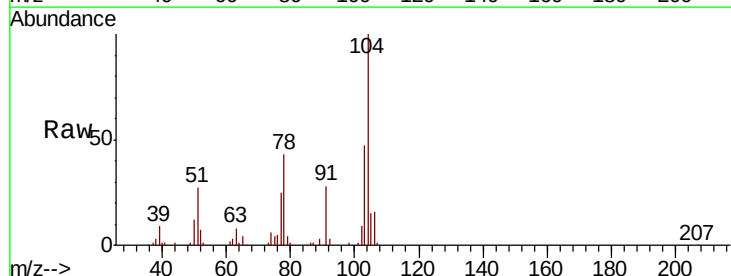


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

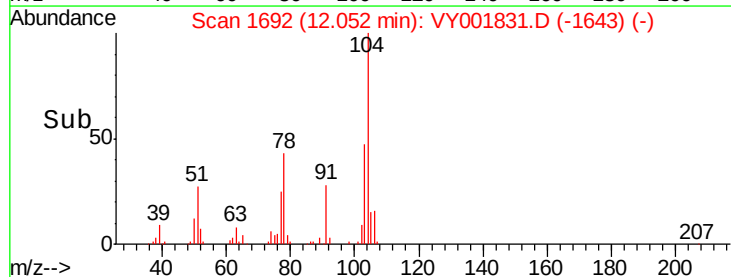
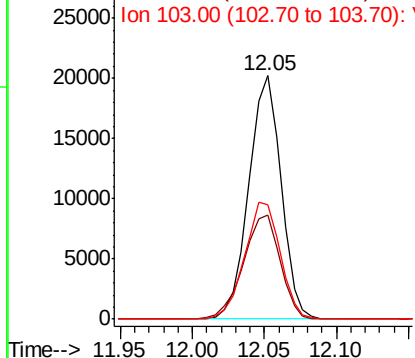


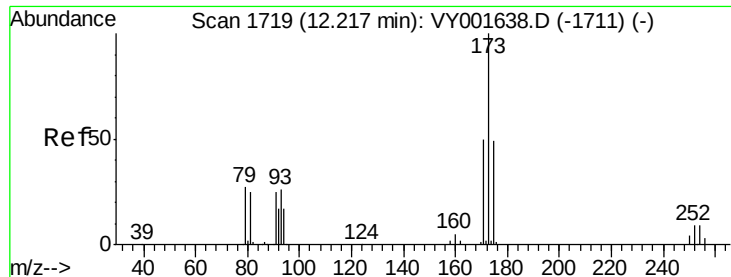
#70
Styrene
Concen: 5.324 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion:104 Resp: 31298
Ion Ratio Lower Upper
104 100
78 48.6 39.2 58.8
103 52.9 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.869 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

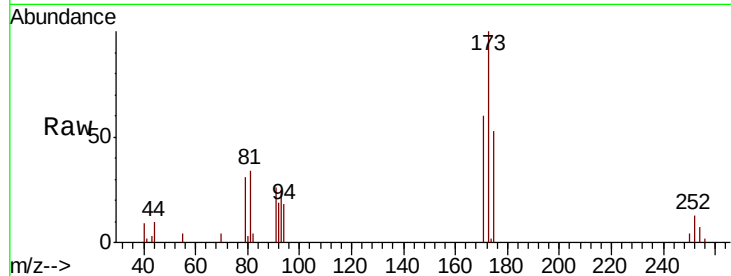
Tot Ion:173 Resp: 4817

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

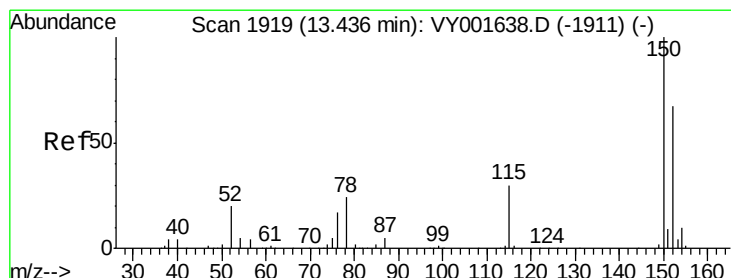
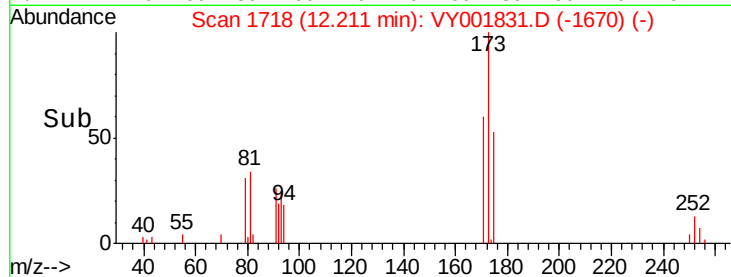
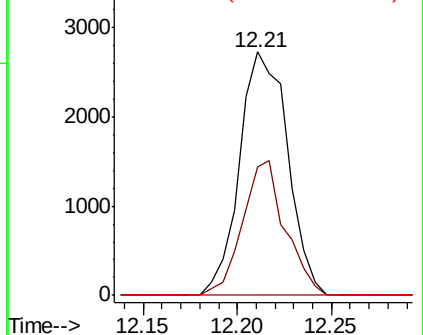
254 0.0 0.1 0.1#



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: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

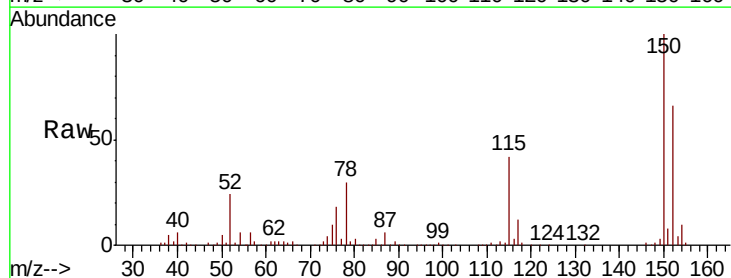
Tgt Ion:152 Resp: 122459

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.2

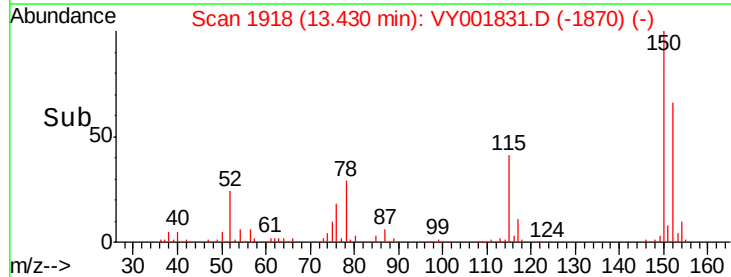
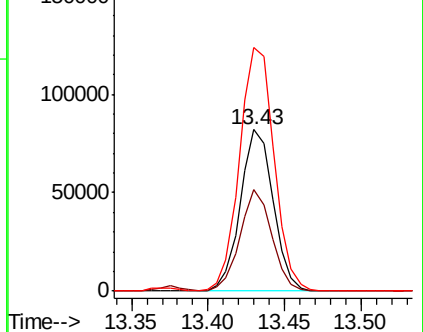
150 158.9 0.0 407.2

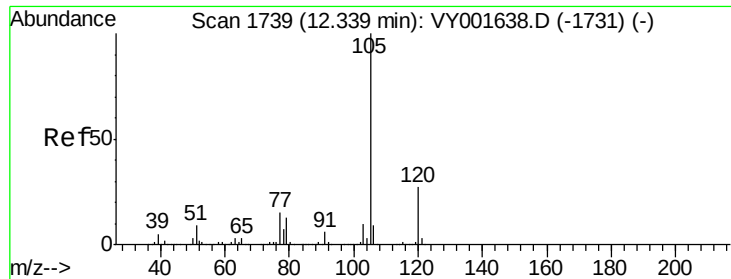


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.344 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

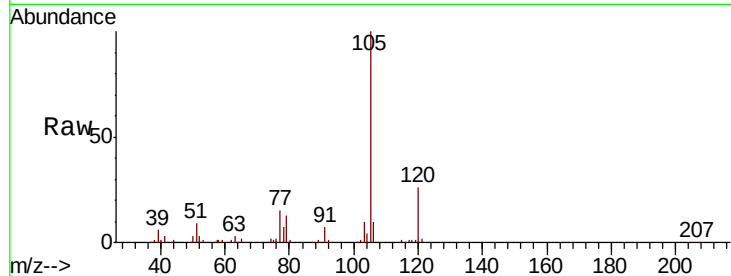
LOQ-SOIL-02-QT1-2020

Tot Ion:105 Resp: 49855

Ion Ratio Lower Upper

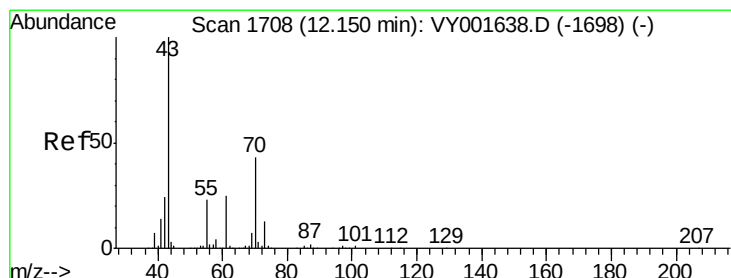
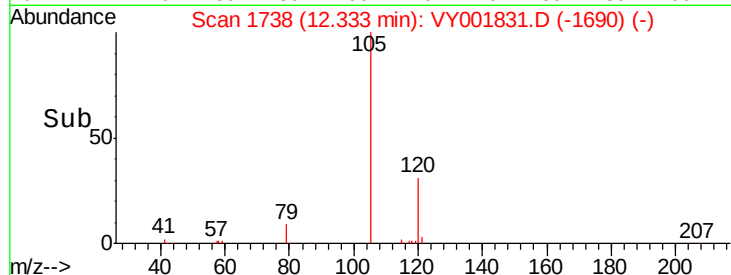
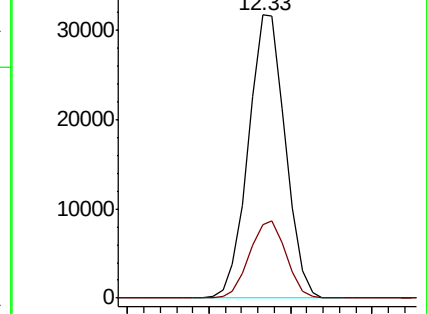
105 100

120 27.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.281 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Tgt Ion: 43 Resp: 15723

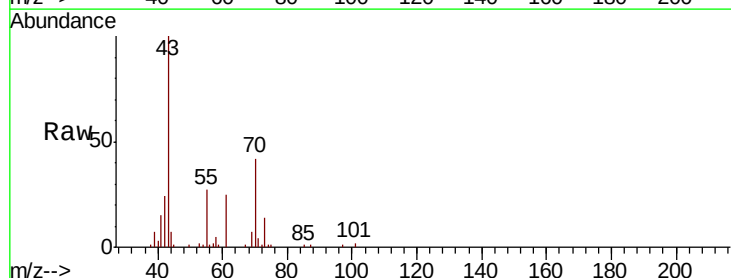
Ion Ratio Lower Upper

43 100

70 41.3 35.9 53.9

55 23.5 18.3 27.5

61 23.6 20.7 31.1

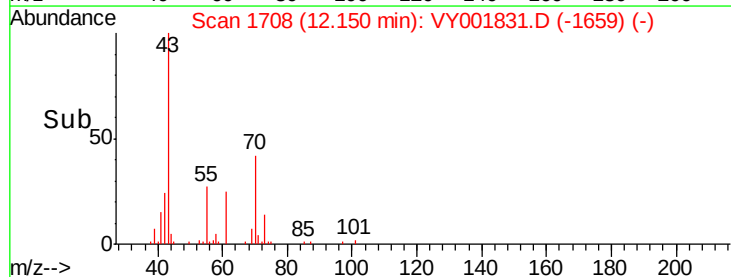
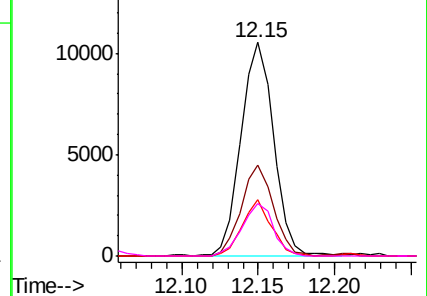


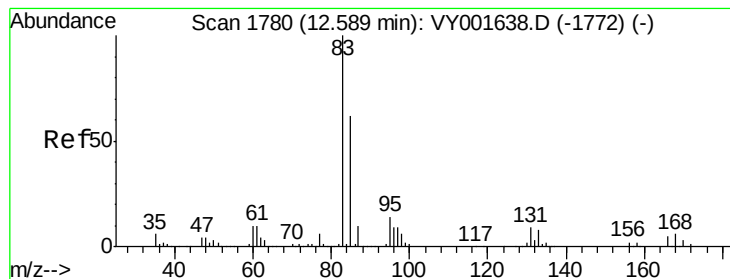
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.336 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

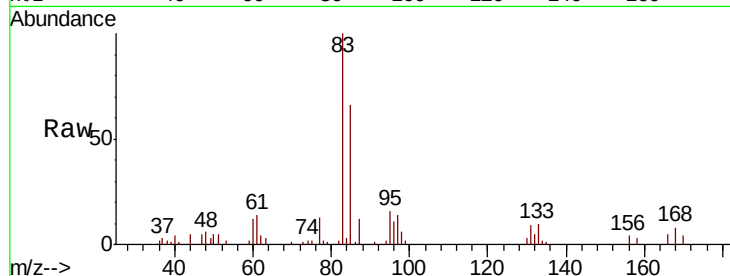
Tot Ion: 83 Resp: 10630

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

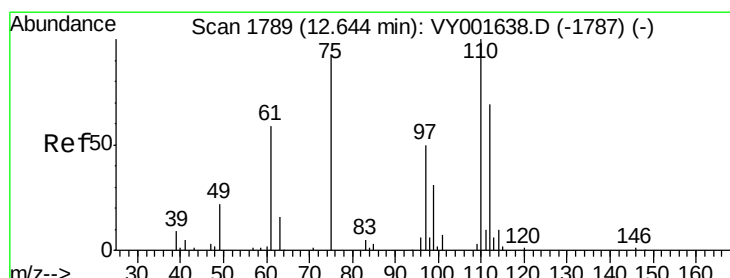
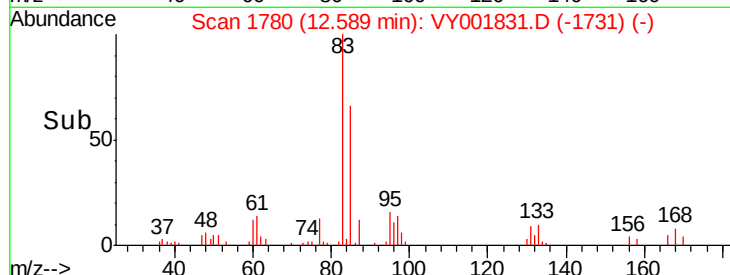
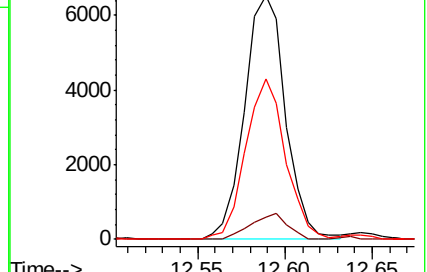
85 64.1 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VY001831.D (-1772) (-)

Ion 130.80 (130.50 to 131.50): VY001831.D (-1772) (-)

Ion 84.90 (84.60 to 85.60): VY001831.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 9.867 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY001831.D

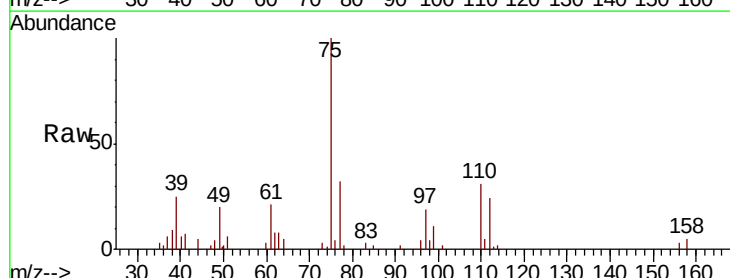
Acq: 03 Mar 2020 13:52

Tgt Ion: 75 Resp: 13861

Ion Ratio Lower Upper

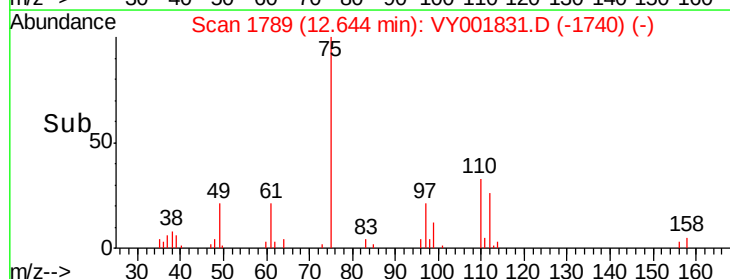
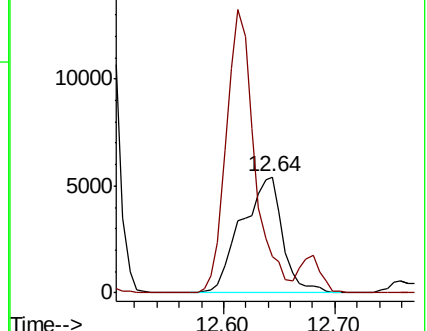
75 100

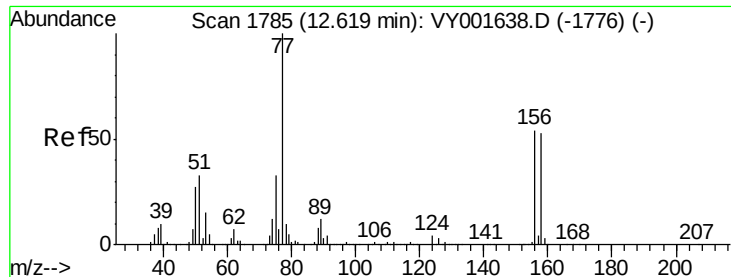
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001831.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY001831.D (-1740) (-)





#77

Bromobenzene

Concen: 5.322 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

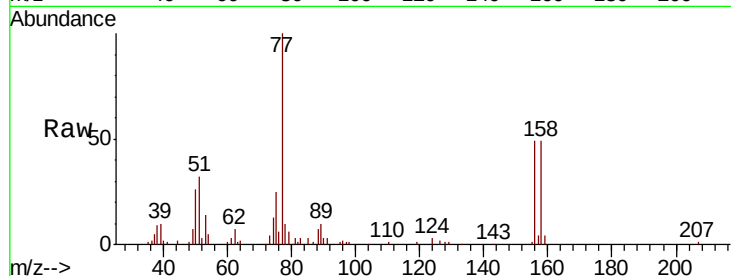
Tot Ion:156 Resp: 10764

Ion Ratio Lower Upper

156 100

77 218.8 110.1 330.1

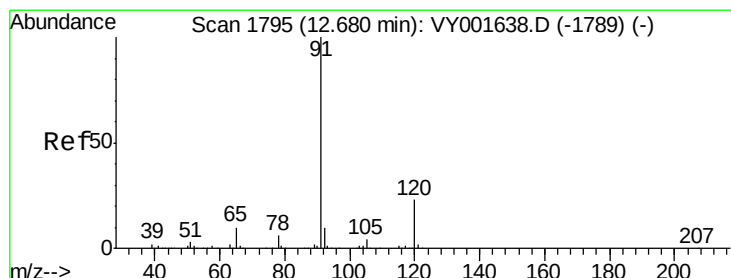
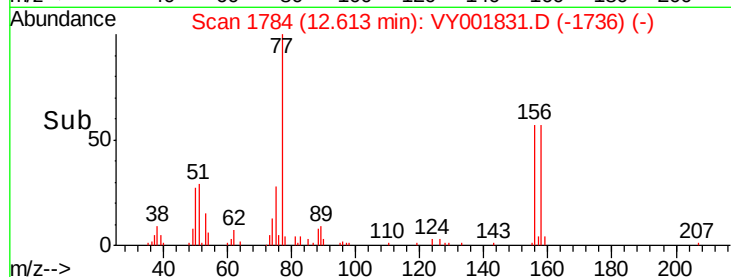
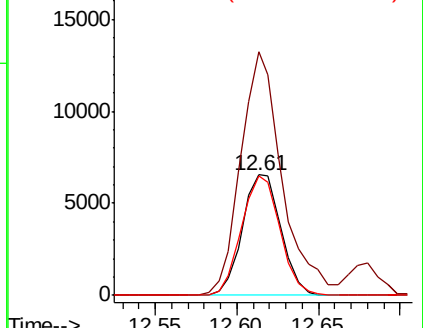
158 98.7 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.504 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY001831.D

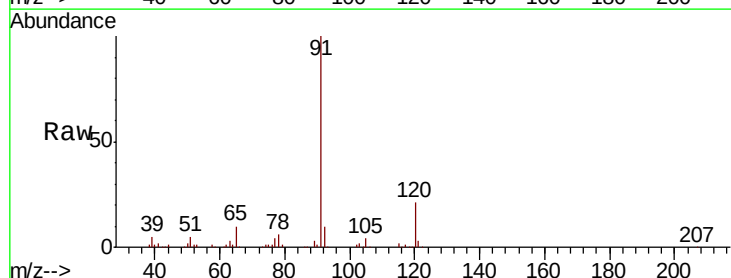
Acq: 03 Mar 2020 13:52

Tgt Ion: 91 Resp: 62535

Ion Ratio Lower Upper

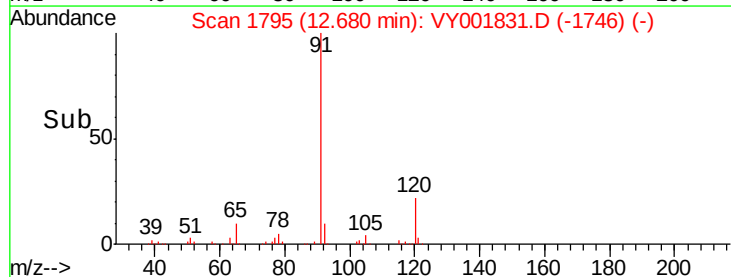
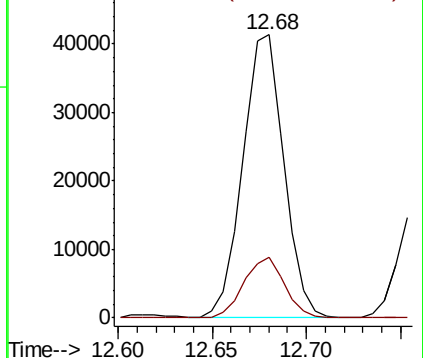
91 100

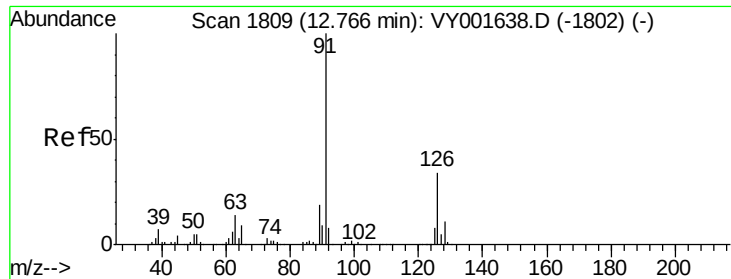
120 21.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.441 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

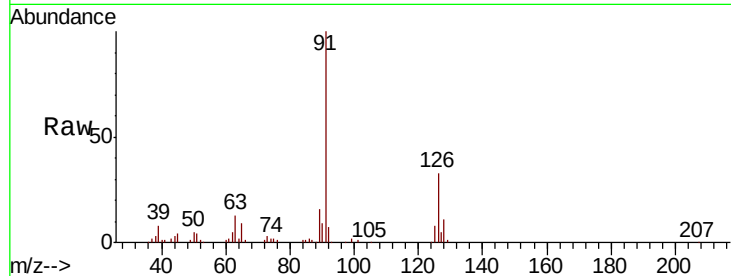
LOQ-SOIL-02-QT1-2020

Tot Ion: 91 Resp: 34675

Ion Ratio Lower Upper

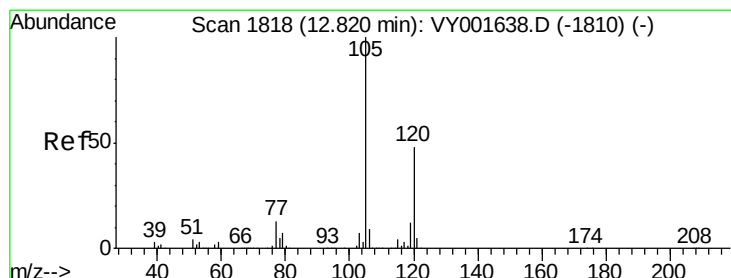
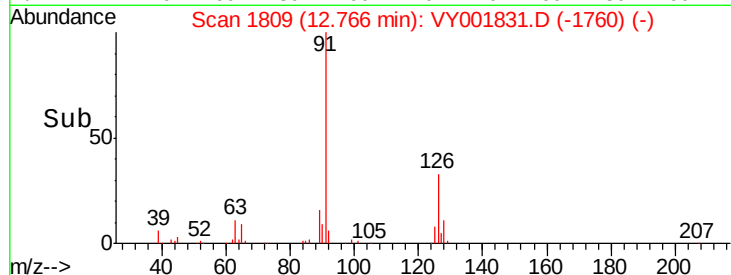
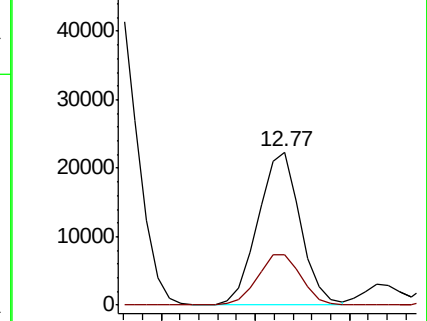
91 100

126 34.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY001831.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001831.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.419 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001831.D

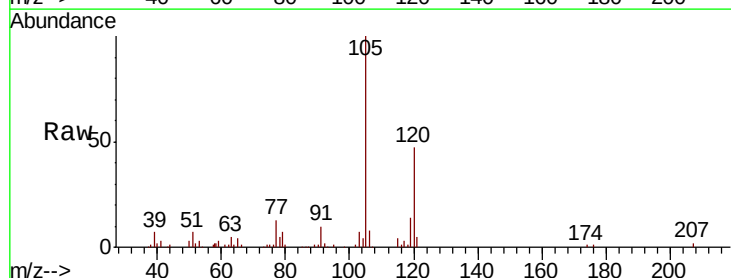
Acq: 03 Mar 2020 13:52

Tgt Ion: 105 Resp: 41846

Ion Ratio Lower Upper

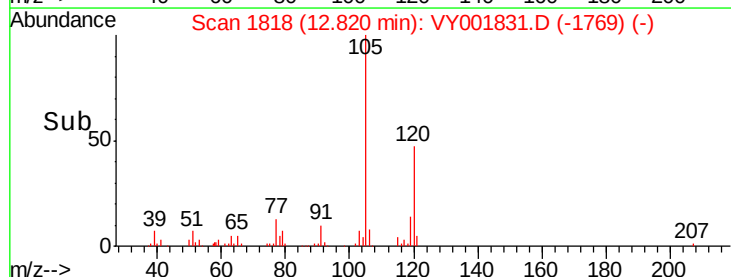
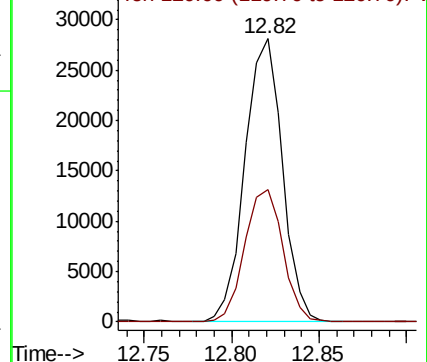
105 100

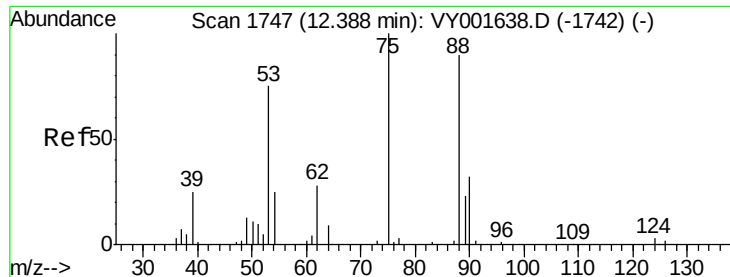
120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001831.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001831.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.580 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

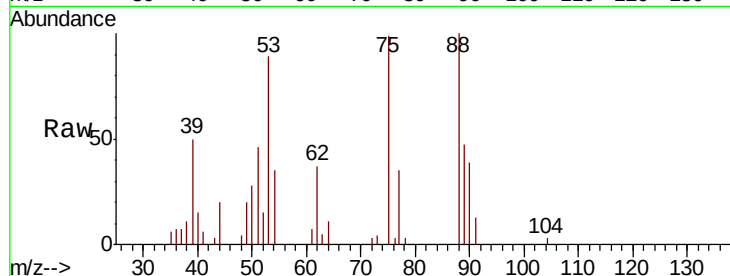
Tot Ion: 75 Resp: 3391

Ion Ratio Lower Upper

75 100

53 92.8 64.5 96.7

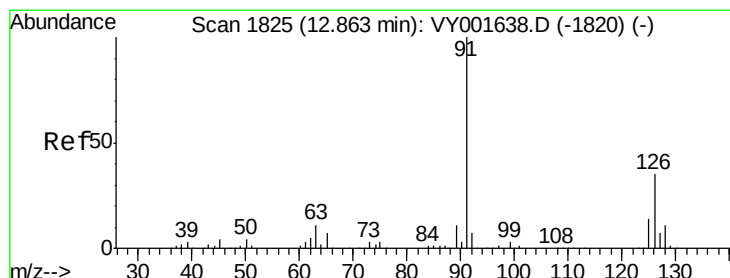
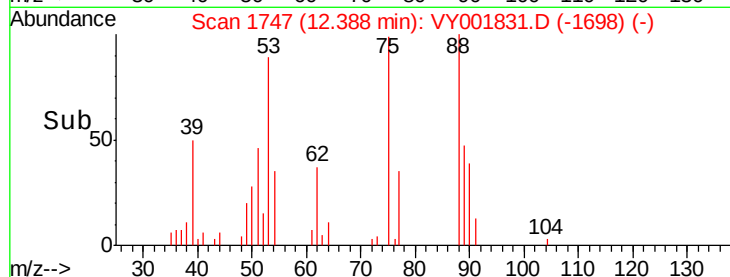
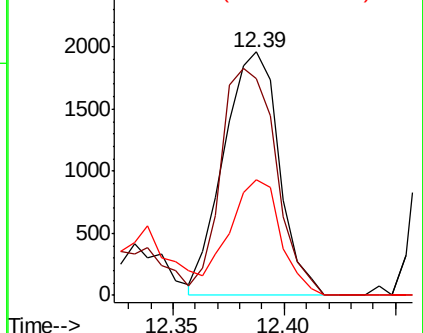
89 43.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 5.453 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001831.D

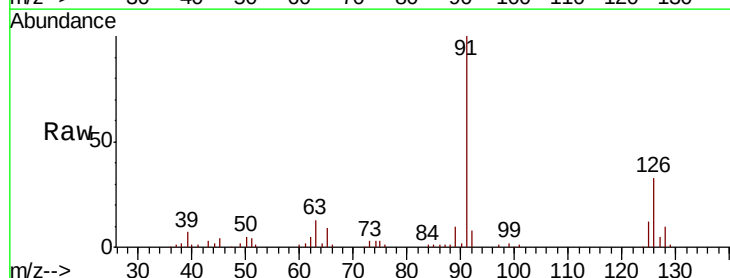
Acq: 03 Mar 2020 13:52

Tgt Ion: 91 Resp: 36652

Ion Ratio Lower Upper

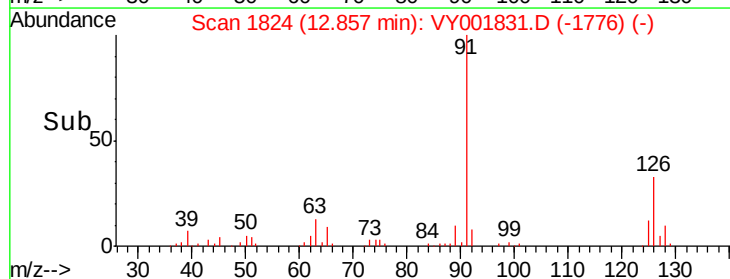
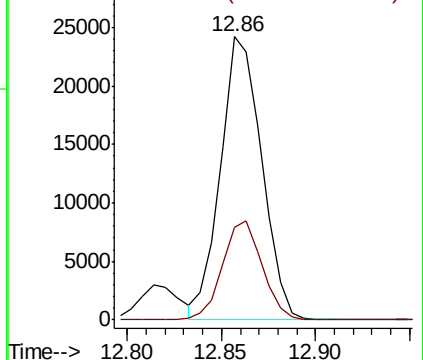
91 100

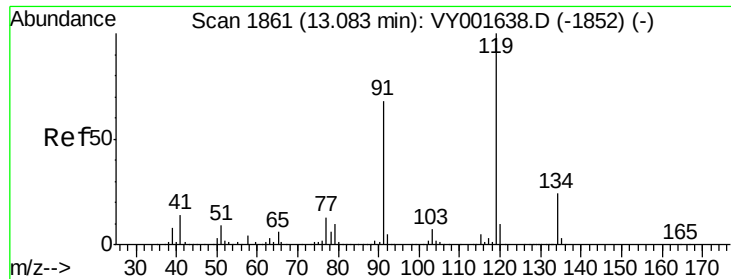
126 33.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

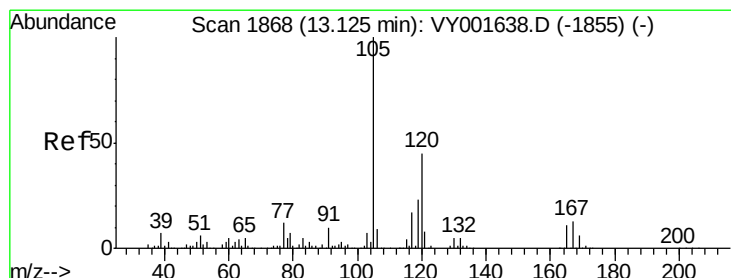
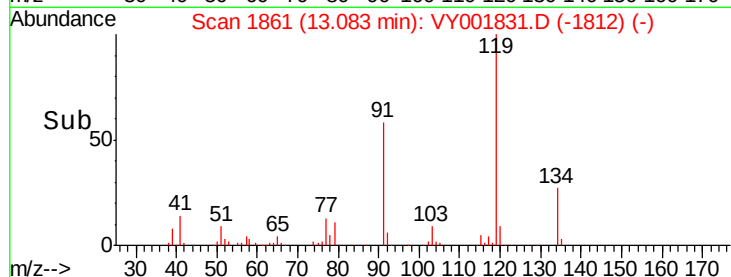
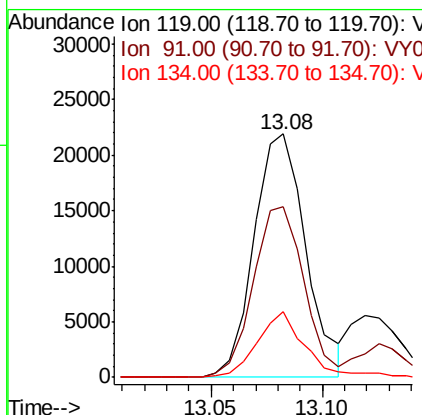
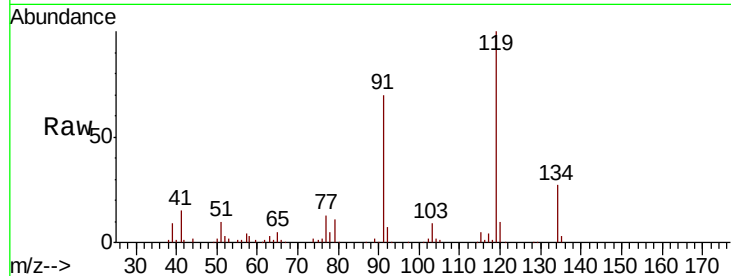




#83
tert-Butylbenzene
Concen: 5.490 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

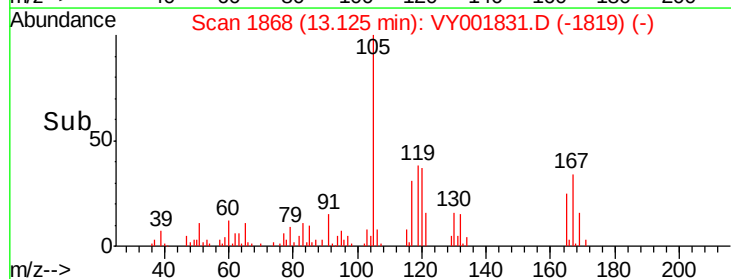
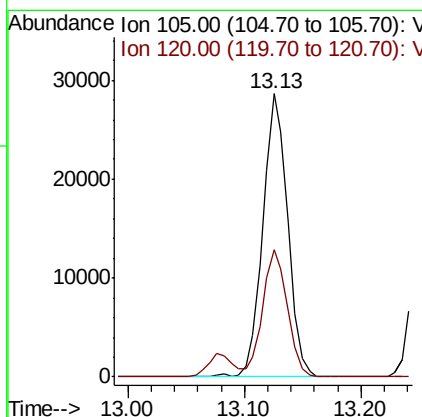
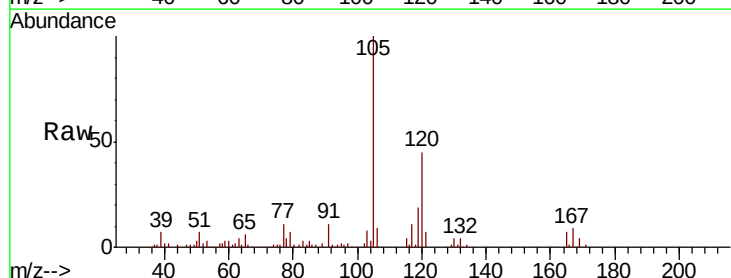
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

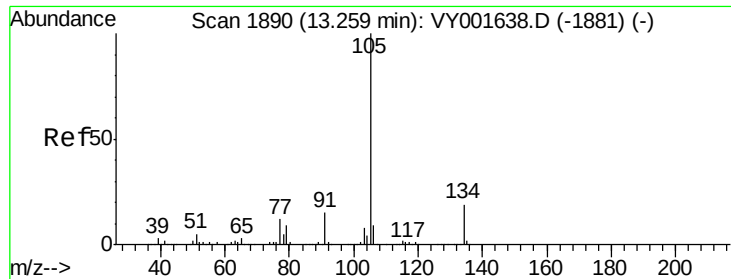
Tot Ion:119 Resp: 35460
Ion Ratio Lower Upper
119 100
91 68.8 33.5 100.5
134 25.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 5.531 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion:105 Resp: 42585
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 5.447 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

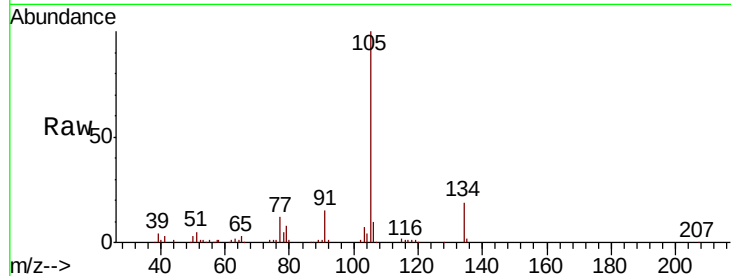
LOQ-SOIL-02-QT1-2020

Tot Ion:105 Resp: 51744

Ion Ratio Lower Upper

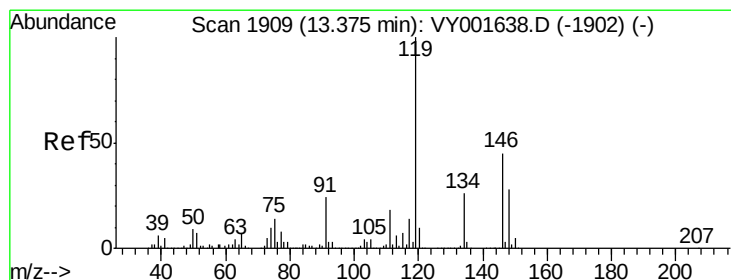
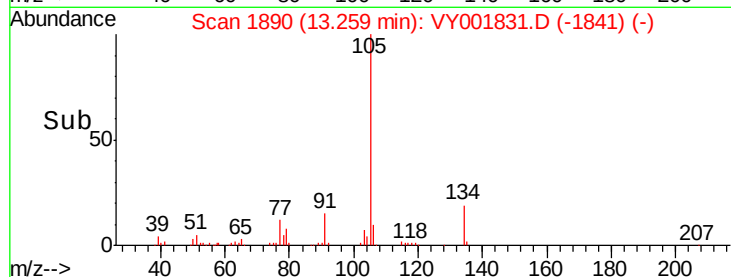
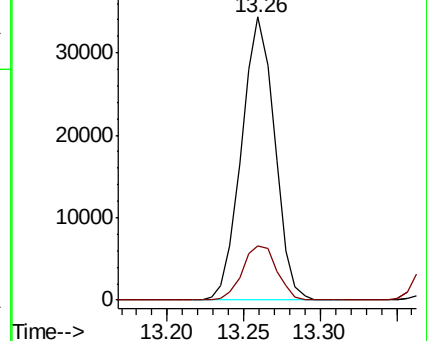
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.545 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

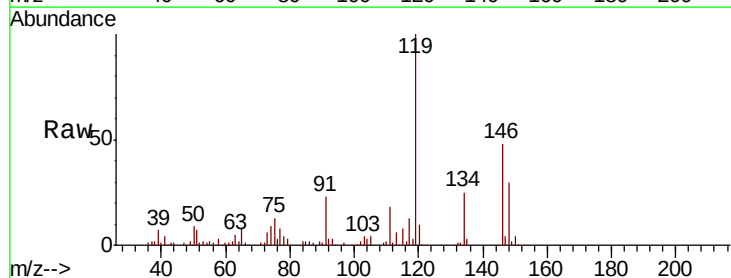
Tgt Ion:119 Resp: 45755

Ion Ratio Lower Upper

119 100

134 24.4 13.0 39.0

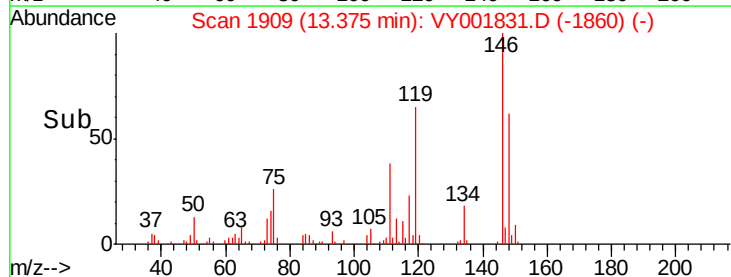
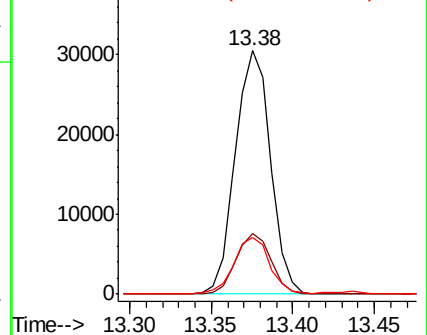
91 23.9 12.2 36.6

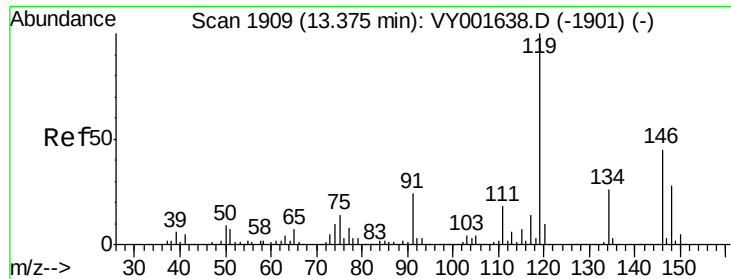


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

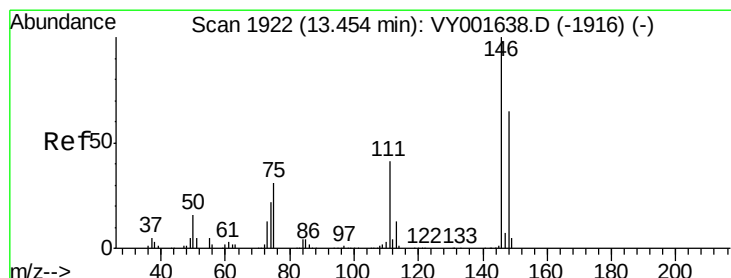
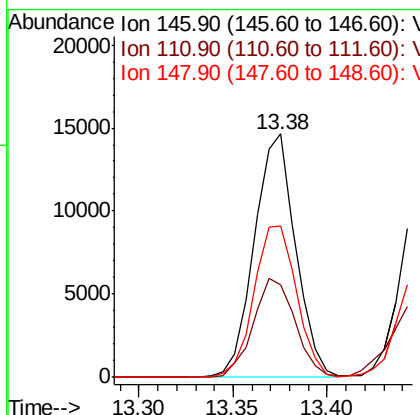
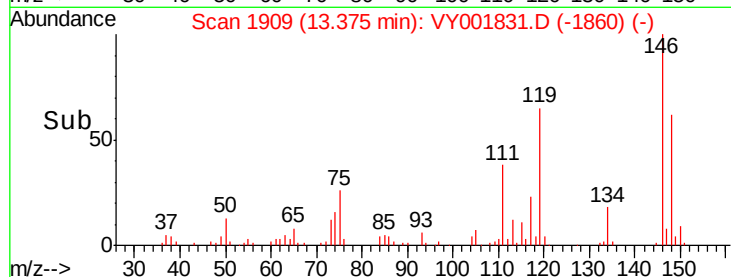
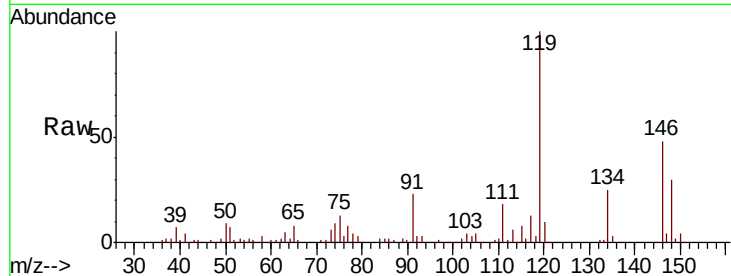




#87
 1,3-Dichlorobenzene
 Concen: 5.680 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

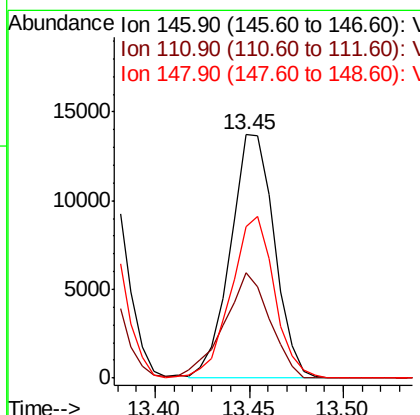
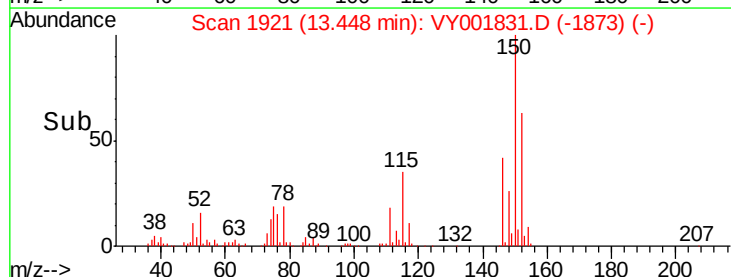
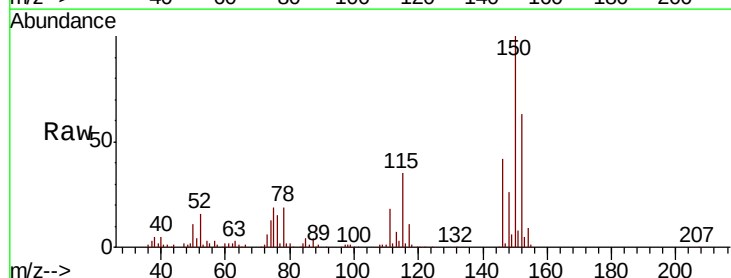
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

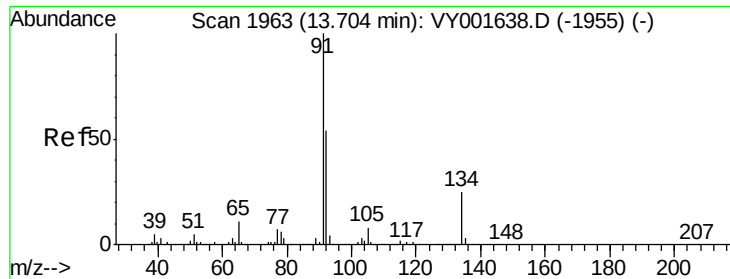
Tot Ion:146 Resp: 22279
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.4 64.3
 148 64.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 5.596 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion:146 Resp: 22185
 Ion Ratio Lower Upper
 146 100
 111 45.2 20.4 61.3
 148 65.8 31.6 94.7





#89

n-Butylbenzene

Concen: 5.633 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

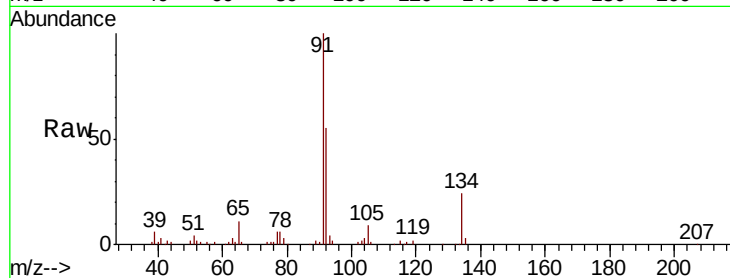
Tot Ion: 91 Resp: 47501

Ion Ratio Lower Upper

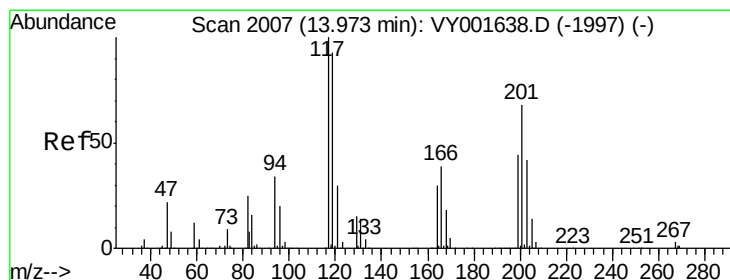
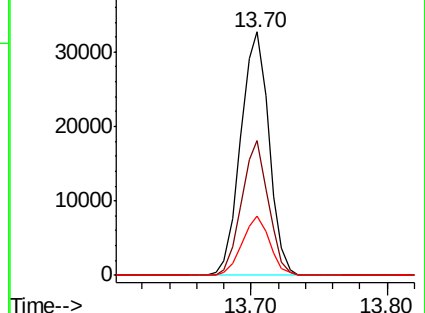
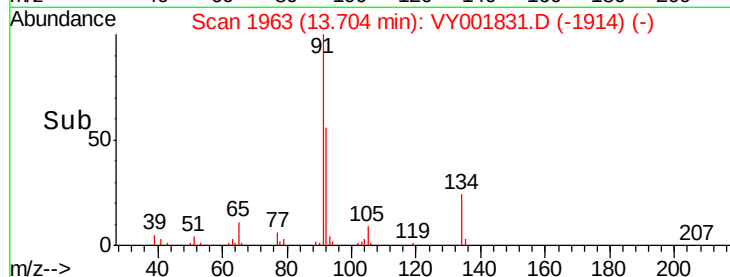
91 100

92 52.1 27.5 82.4

134 23.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VY001831.D (-1914) (-)



#90

Hexachloroethane

Concen: 5.161 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY001831.D

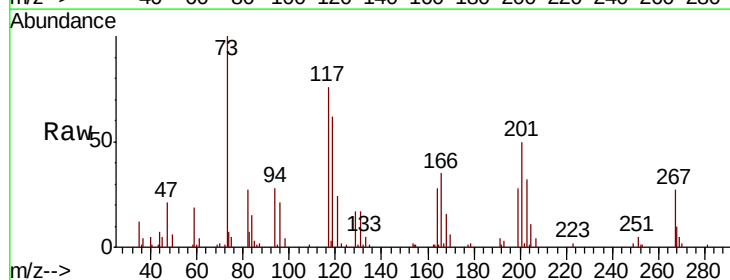
Acq: 03 Mar 2020 13:52

Tgt Ion: 117 Resp: 8024

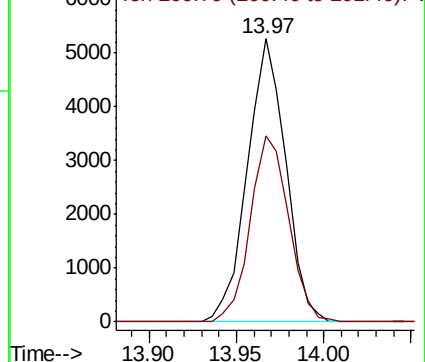
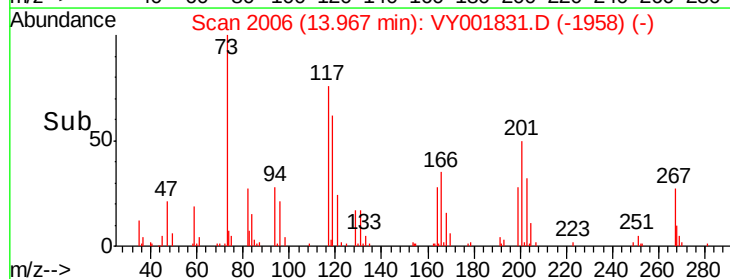
Ion Ratio Lower Upper

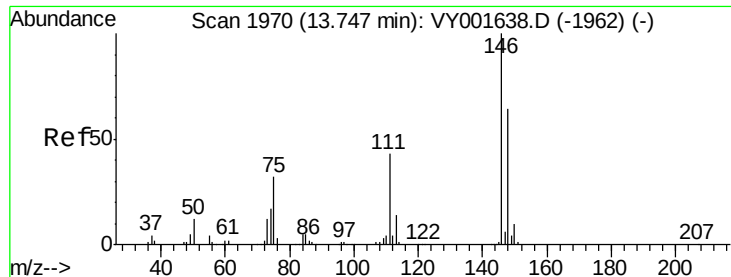
117 100

201 65.9 32.5 97.4



Abundance Ion 116.80 (116.50 to 117.50): VY001831.D (-1958) (-)

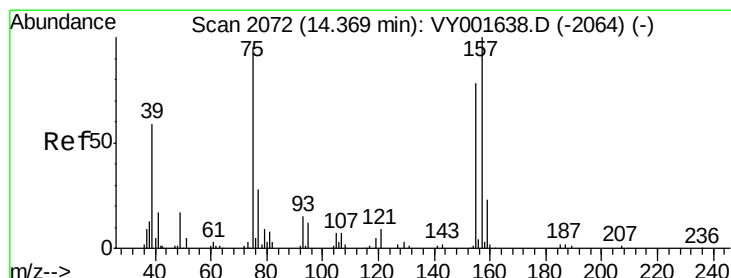
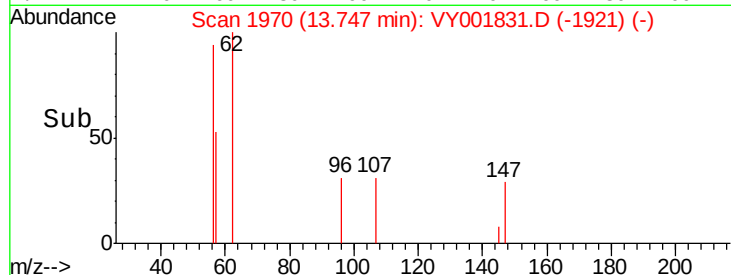
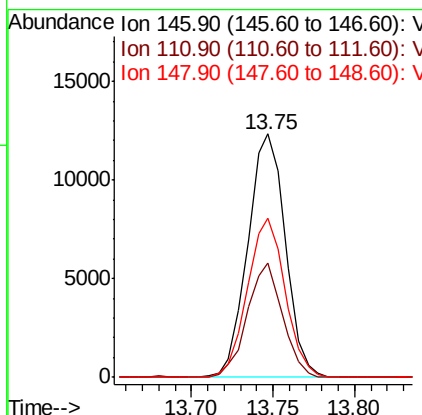
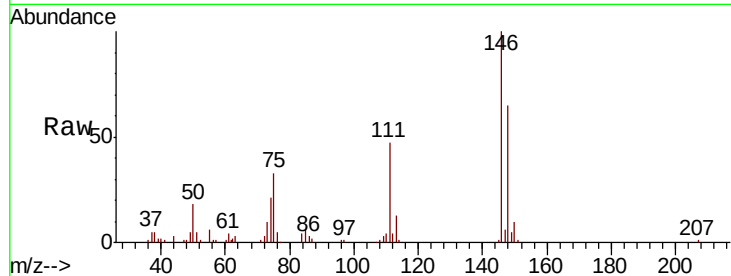




#91
 1,2-Dichlorobenzene
 Concen: 5.456 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

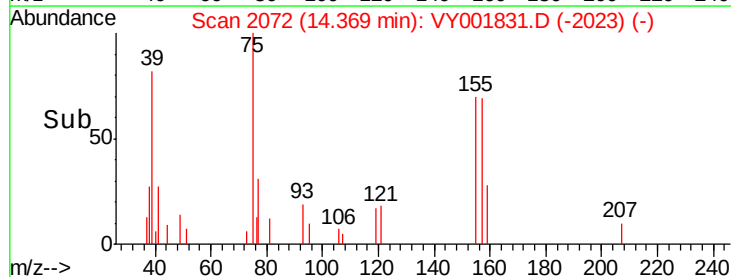
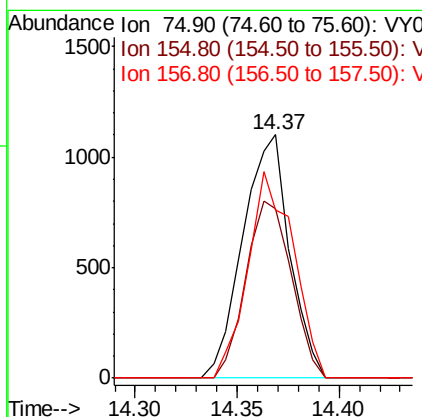
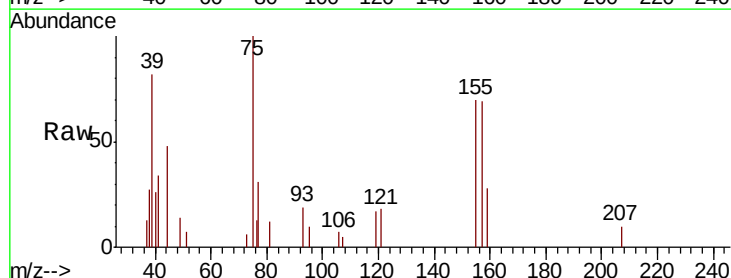
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

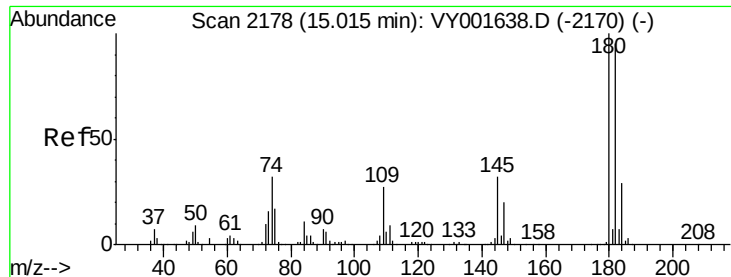
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	65.5	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.354 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001831.D
 Acq: 03 Mar 2020 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	40.8	122.4
157	82.4	52.1	156.4

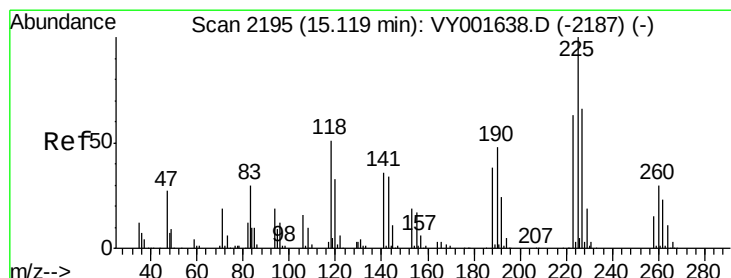
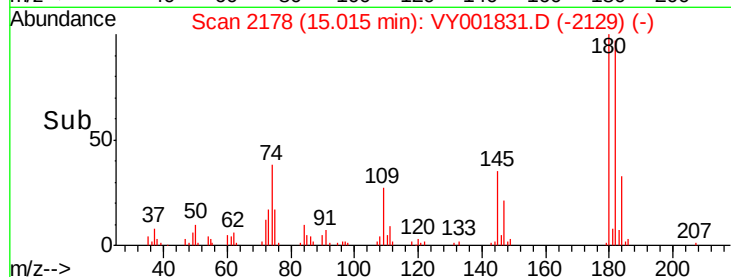
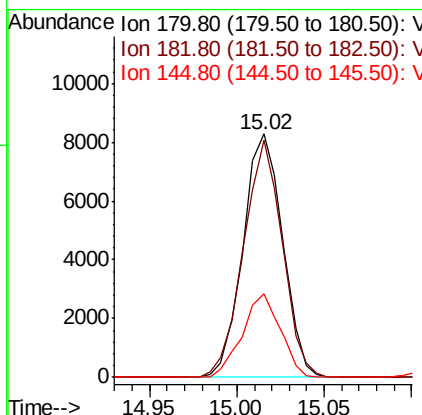
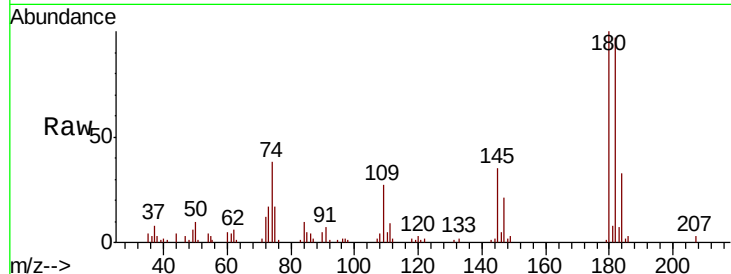




#93
1,2,4-Trichlorobenzene
Concen: 5.441 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

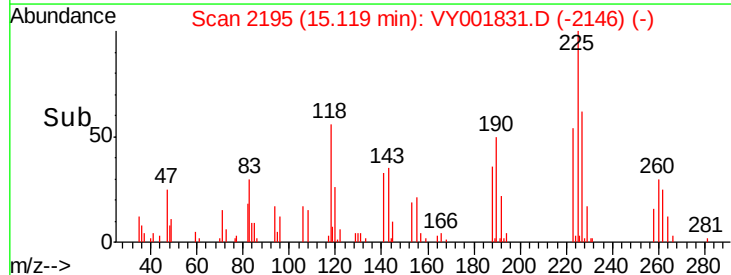
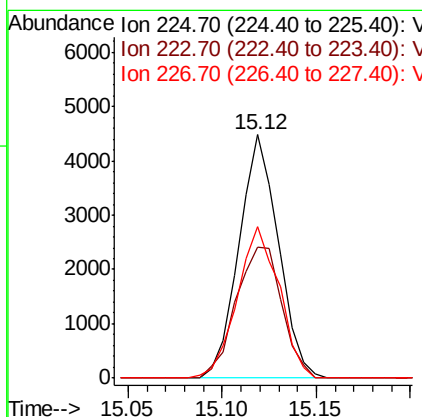
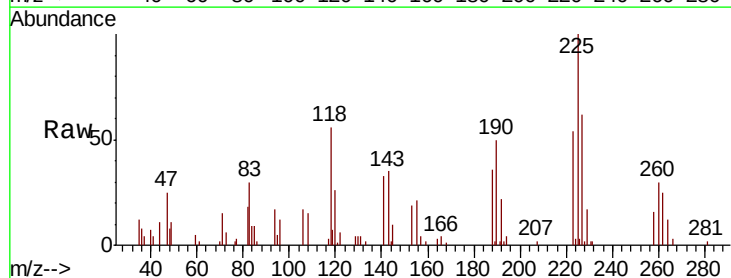
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

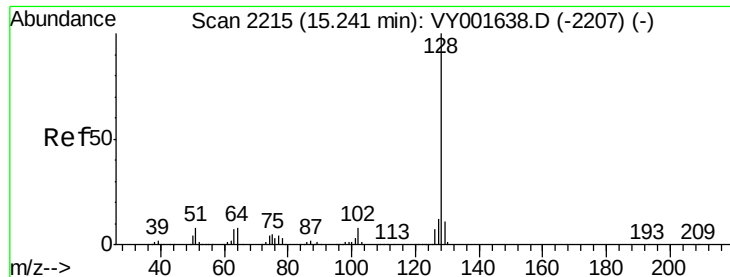
Tot Ion:180 Resp: 13052
Ion Ratio Lower Upper
180 100
182 95.4 46.8 140.3
145 32.9 16.2 48.5



#94
Hexachlorobutadiene
Concen: 5.451 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion:225 Resp: 6503
Ion Ratio Lower Upper
225 100
223 62.8 31.4 94.0
227 65.8 31.6 94.8

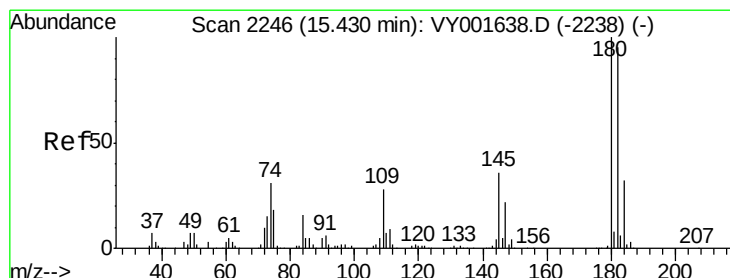
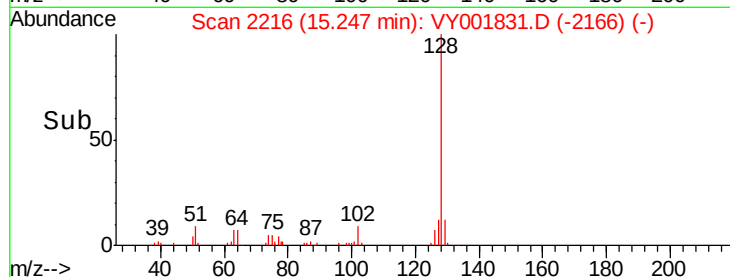
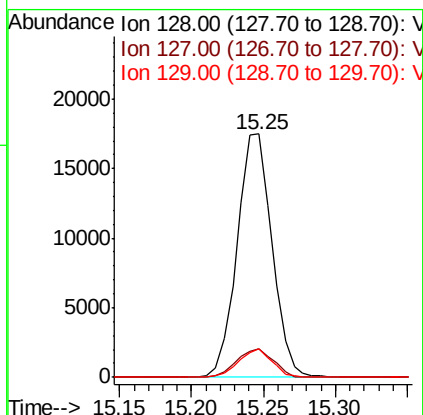
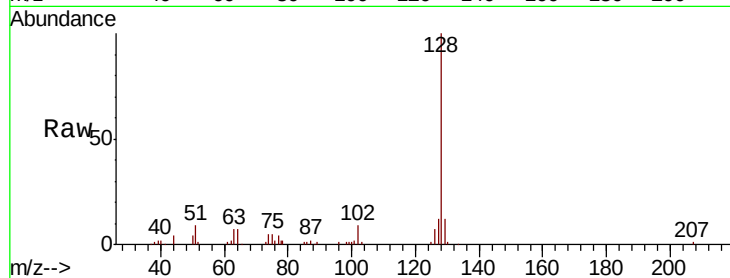




#95
Naphthalene
Concen: 5.323 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 5.558 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001831.D
Acq: 03 Mar 2020 13:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.2	141.6
145	31.6	17.3	52.0

