

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
 Data File : VY003473.D
 Acq On : 02 Nov 2020 15:26
 Operator : SY/MD
 Sample : L4214-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Quant Time: Nov 03 02:46:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 03 02:36:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	338142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	300054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	150698	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	125345	52.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.34%	
35) Dibromofluoromethane	7.73	113	105904	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
50) Toluene-d8	10.18	98	434544	50.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.48	95	141094	49.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	10033	5.462	ug/l	100
3) Chloromethane	2.12	50	13401	5.542	ug/l	98
4) Vinyl Chloride	2.26	62	15267	5.625	ug/l	100
5) Bromomethane	2.66	94	12721	5.610	ug/l	94
6) Chloroethane	2.80	64	9032	5.583	ug/l	92
7) Trichlorofluoromethane	3.14	101	19955	5.792	ug/l	99
8) Diethyl Ether	3.54	74	5855	5.542	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10330	5.425	ug/l	99
10) Methyl Iodide	4.10	142	8945	5.693	ug/l	98
11) Tert butyl alcohol	4.96	59	10591	39.417	ug/l #	83
12) 1,1-Dichloroethene	3.88	96	10762	5.681	ug/l	91
13) Acrolein	3.74	56	5977	30.263	ug/l	96
14) Allyl chloride	4.49	41	18846	5.452	ug/l	99
15) Acrylonitrile	5.18	53	15703	27.845	ug/l	100
16) Acetone	3.96	43	18400	23.437	ug/l	96
17) Carbon Disulfide	4.21	76	34166	5.567	ug/l	98
18) Methyl Acetate	4.50	43	8902	6.000	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	24732	5.271	ug/l	97
20) Methylene Chloride	4.73	84	16101	7.282	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	12170	5.548	ug/l	99
22) Diisopropyl ether	6.13	45	32327	5.332	ug/l	90
23) Vinyl Acetate	6.08	43	116466	25.565	ug/l	100
24) 1,1-Dichloroethane	6.03	63	21235	5.512	ug/l	98
25) 2-Butanone	7.00	43	24205	24.651	ug/l	98
26) 2,2-Dichloropropane	7.00	77	20127	5.608	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	13194	5.550	ug/l	99
28) Bromochloromethane	7.35	49	9461	4.882	ug/l	97
29) Tetrahydrofuran	7.36	42	14203	27.682	ug/l	97
30) Chloroform	7.52	83	20608	5.446	ug/l	95
31) Cyclohexane	7.79	56	22623	6.342	ug/l #	79
32) 1,1,1-Trichloroethane	7.71	97	19469	5.515	ug/l	99
36) 1,1-Dichloropropene	7.93	75	17641	5.533	ug/l	98
37) Ethyl Acetate	7.08	43	11268	5.692	ug/l	98
38) Carbon Tetrachloride	7.91	117	17167	5.190	ug/l	98

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

39) Methylcyclohexane	9.19	83	18598	5.239	ug/l	96
40) Benzene	8.17	78	47579	5.363	ug/l	98
41) Methacrylonitrile	7.32	41	6559	6.204	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	15091	5.428	ug/l	99
43) Isopropyl Acetate	8.28	43	18764	5.274	ug/l	98
44) Trichloroethene	8.94	130	13577	5.451	ug/l	96
45) 1,2-Dichloropropane	9.22	63	12022	5.366	ug/l	99
46) Dibromomethane	9.31	93	6553	5.316	ug/l	99
47) Bromodichloromethane	9.50	83	15805	5.239	ug/l #	98
48) Methyl methacrylate	9.30	41	8325	4.967	ug/l	95
49) 1,4-Dioxane	9.31	88	1665	108.252	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	48717	25.700	ug/l	99
52) Toluene	10.25	92	29570	5.329	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	16682	5.196	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	18649	5.162	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	9566	5.467	ug/l	94
56) Ethyl methacrylate	10.51	69	11627	4.961	ug/l	98
57) 1,3-Dichloropropane	10.79	76	15831	5.203	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	29702	24.998	ug/l	99
59) 2-Hexanone	10.83	43	34353	24.476	ug/l	98
60) Dibromochloromethane	10.99	129	10852	5.046	ug/l	97
61) 1,2-Dibromoethane	11.09	107	8790	5.203	ug/l	98
64) Tetrachloroethene	10.72	164	12584	5.616	ug/l	95
65) Chlorobenzene	11.52	112	31057	5.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	11726	5.334	ug/l	99
67) Ethyl Benzene	11.60	91	55099	5.213	ug/l	99
68) m/p-Xylenes	11.70	106	41300	10.311	ug/l	99
69) o-Xylene	12.03	106	18606	5.050	ug/l	99
70) Styrene	12.05	104	31406	5.020	ug/l	98
71) Bromoform	12.21	173	7459	5.090	ug/l #	99
73) Isopropylbenzene	12.33	105	52662	5.350	ug/l	100
74) N-amyl acetate	12.14	43	14426	5.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	11665	5.548	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	8619m	5.405	ug/l	
77) Bromobenzene	12.61	156	13129	5.249	ug/l	94
78) n-propylbenzene	12.67	91	61436	5.298	ug/l	99
79) 2-Chlorotoluene	12.75	91	35182	5.431	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	43750	5.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	4033	5.279	ug/l	99
82) 4-Chlorotoluene	12.85	91	37694	5.568	ug/l	97
83) tert-Butylbenzene	13.08	119	38603	5.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	42506	5.214	ug/l	100
85) sec-Butylbenzene	13.25	105	52306	5.340	ug/l	99
86) p-Isopropyltoluene	13.37	119	47268	5.204	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	24687	5.298	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	25507	5.505	ug/l	93
89) n-Butylbenzene	13.69	91	43512	5.244	ug/l	99
90) Hexachloroethane	13.96	117	8310	5.436	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	22743	5.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2208	5.801	ug/l	93

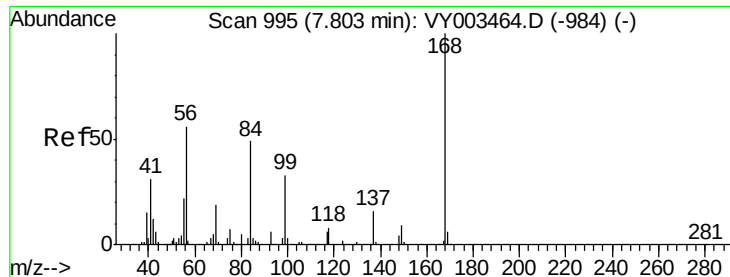
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	16565	5.658	ug/l	98
94) Hexachlorobutadiene	15.11	225	10917	5.796	ug/l	99
95) Naphthalene	15.23	128	30691	5.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	13886	5.273	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

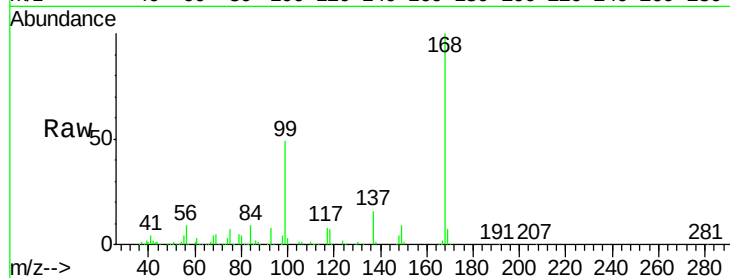
LOQ-SOIL-02-QT4-2020

Tot Ion:168 Resp: 232141

Ion Ratio Lower Upper

168 100

99 49.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

100000

80000

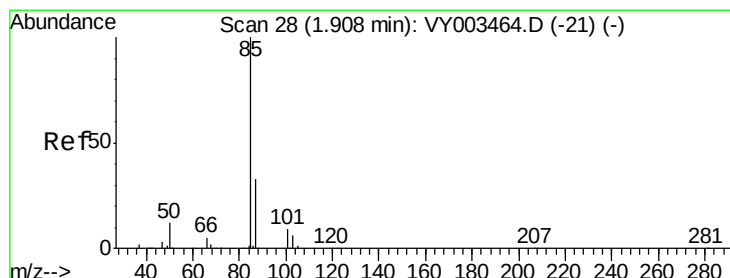
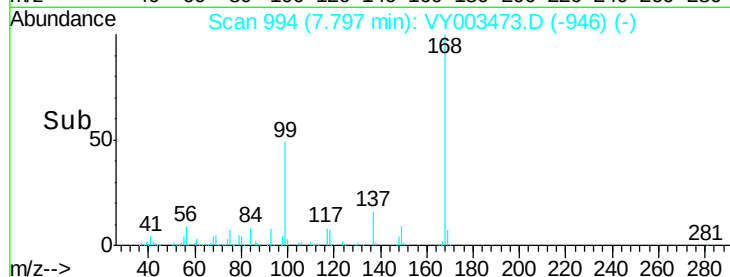
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.462 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY003473.D

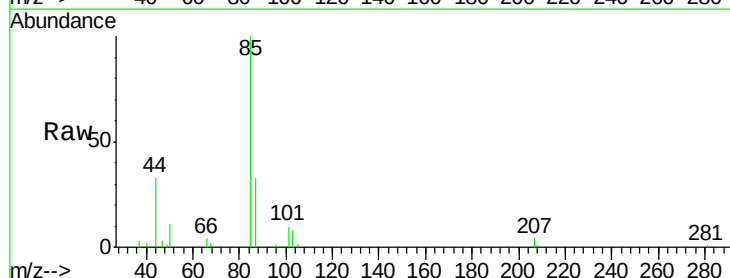
Acq: 02 Nov 2020 15:26

Tgt Ion: 85 Resp: 10033

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003464.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003464.D (-21) (-)

1.91

8000

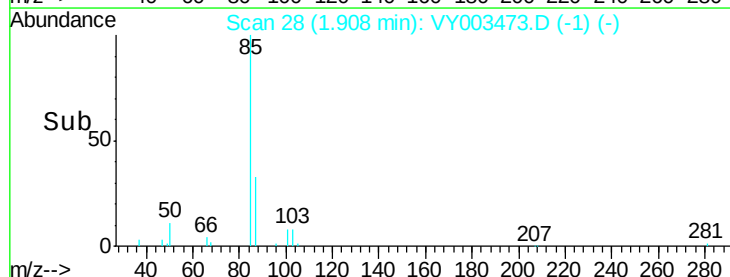
6000

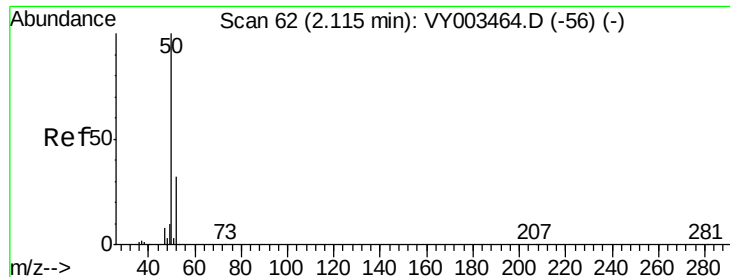
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.542 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

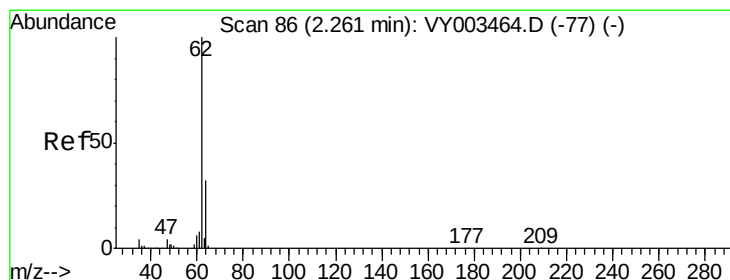
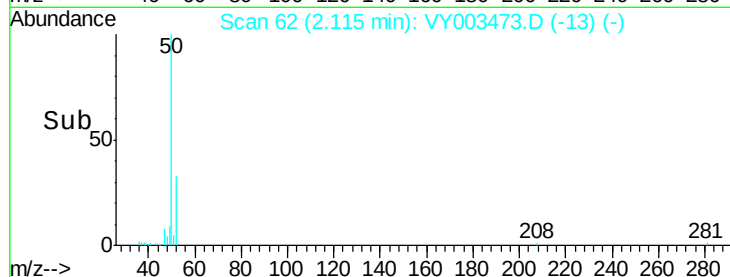
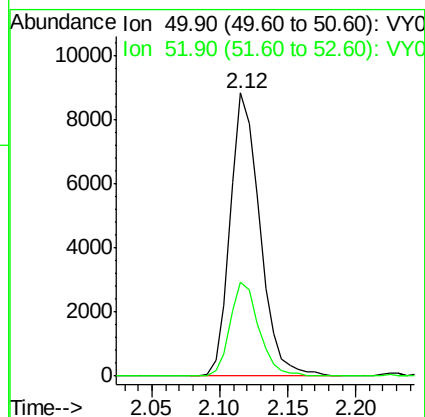
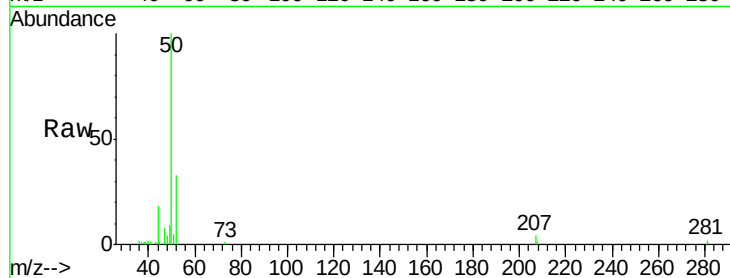
LOQ-SOIL-02-QT4-2020

Tot Ion: 50 Resp: 13401

Ion Ratio Lower Upper

50 100

52 33.0 25.6 38.4



#4

Vinyl Chloride

Concen: 5.625 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003473.D

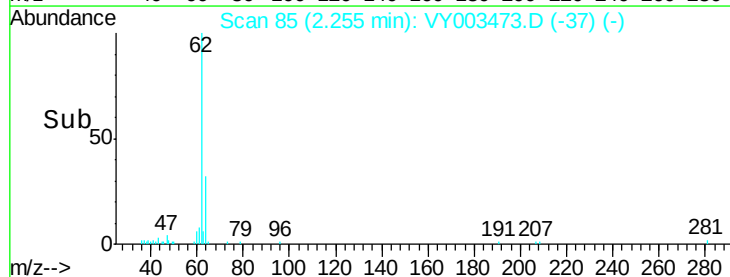
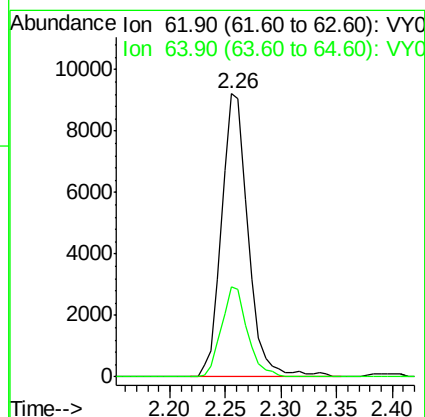
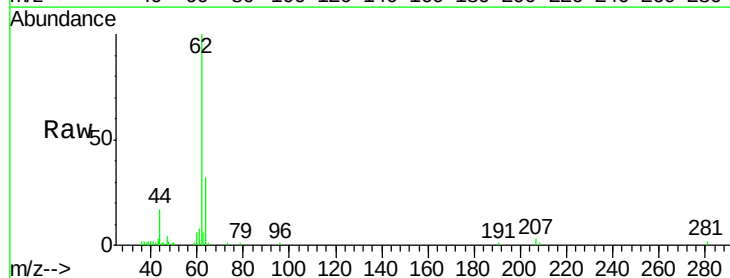
Acq: 02 Nov 2020 15:26

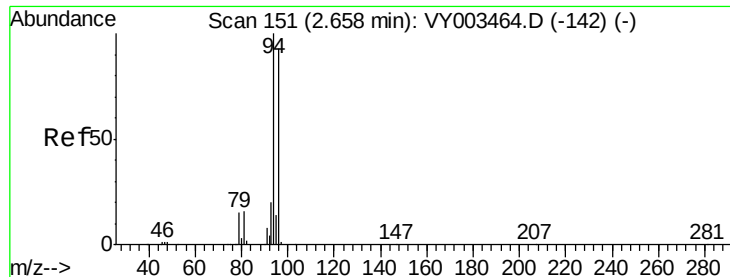
Tgt Ion: 62 Resp: 15267

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 5.610 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

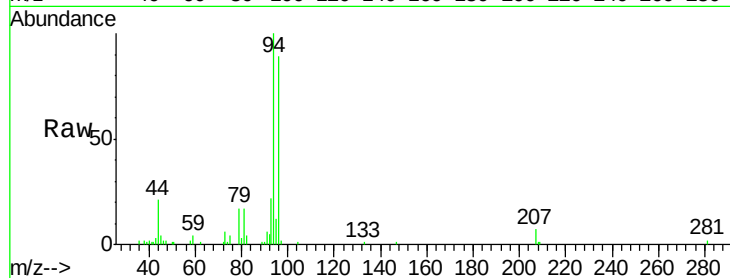
LOQ-SOIL-02-QT4-2020

Tot Ion: 94 Resp: 12721

Ion Ratio Lower Upper

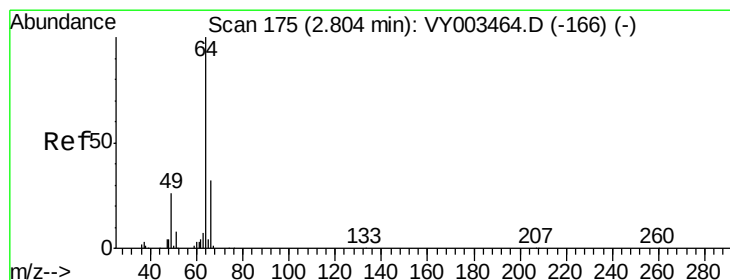
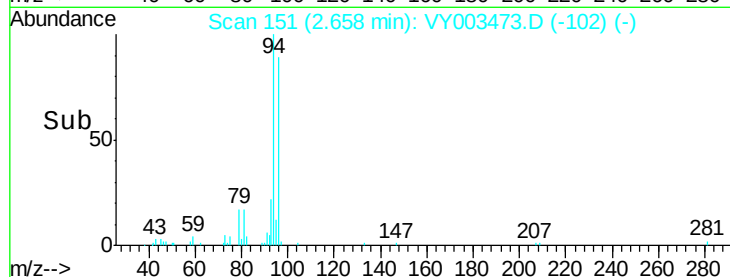
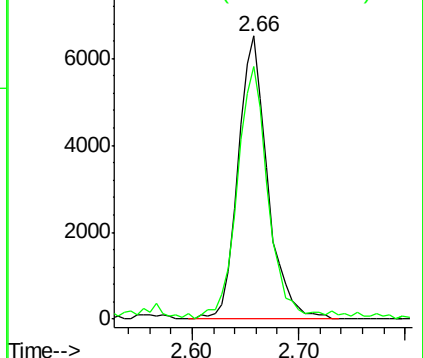
94 100

96 87.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.583 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003473.D

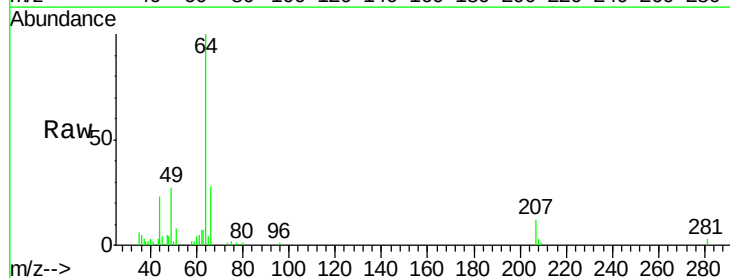
Acq: 02 Nov 2020 15:26

Tgt Ion: 64 Resp: 9032

Ion Ratio Lower Upper

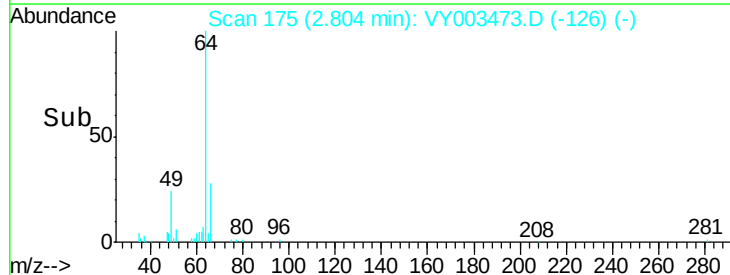
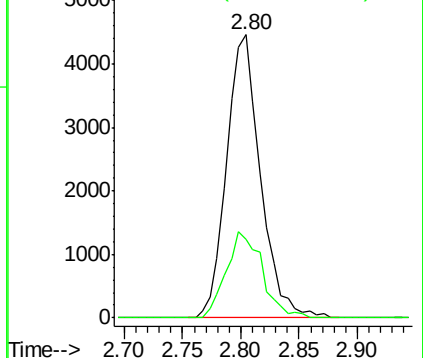
64 100

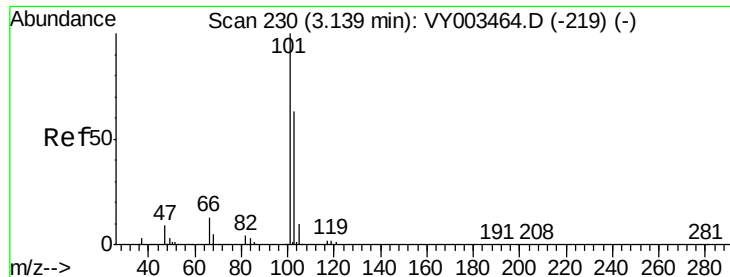
66 27.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



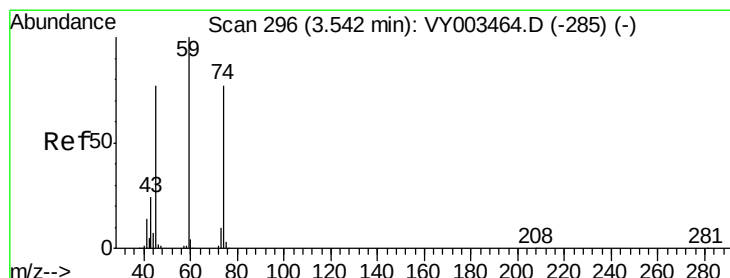
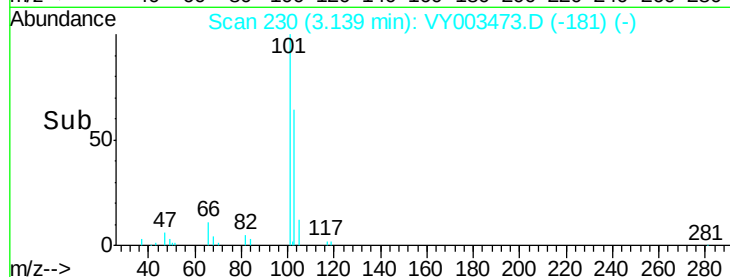
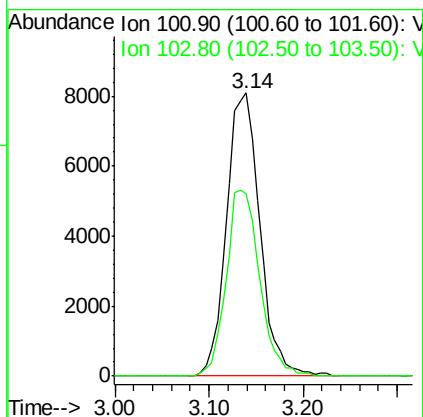
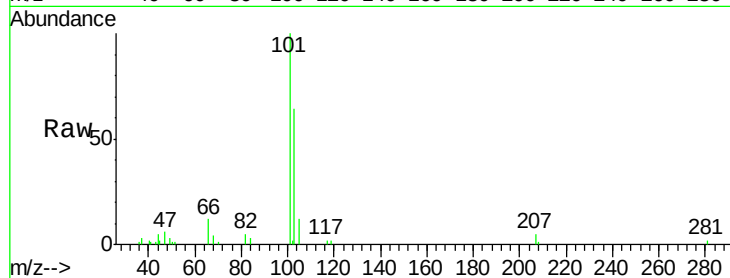


#7

Trichlorofluoromethane
Concen: 5.792 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Instrument :
MSVOA_Y
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LOQ-SOIL-02-QT4-2020

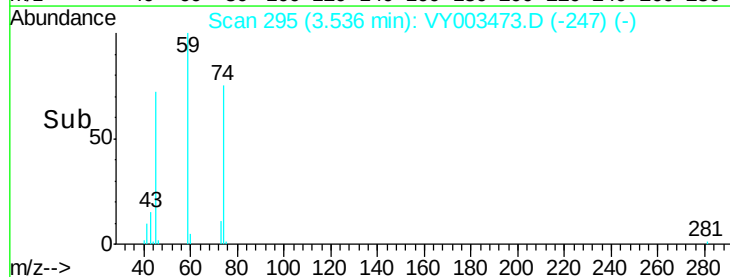
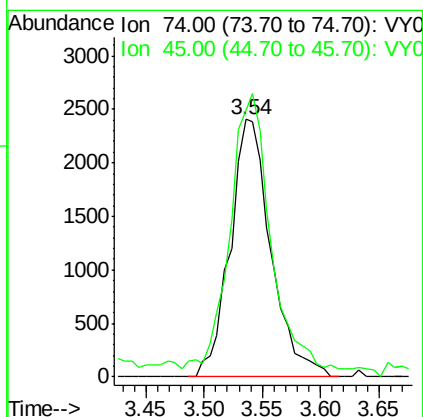
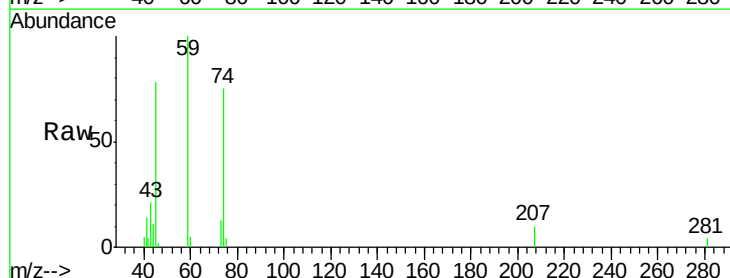
Tot Ion:101 Resp: 19955
Ion Ratio Lower Upper
101 100
103 64.2 50.7 76.1

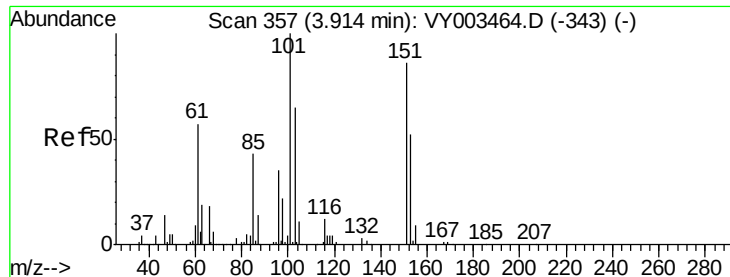


#8

Diethyl Ether
Concen: 5.542 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 74 Resp: 5855
Ion Ratio Lower Upper
74 100
45 104.9 50.7 152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.425 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

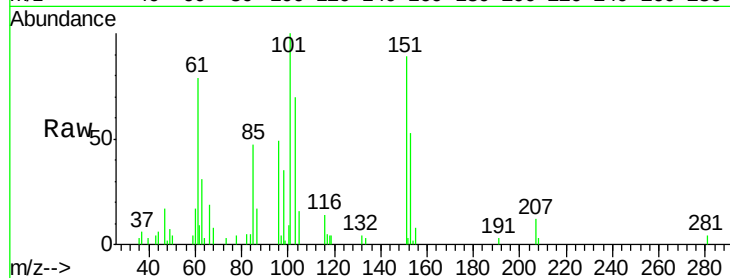
Tot Ion:101 Resp: 10330

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.8

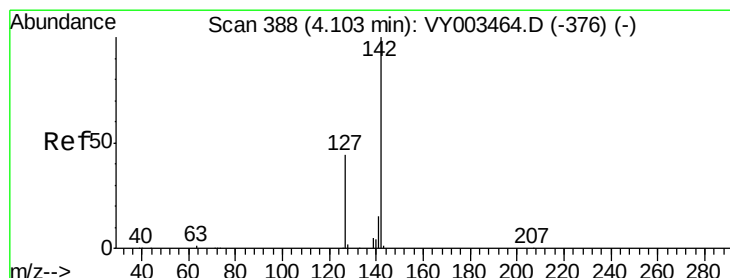
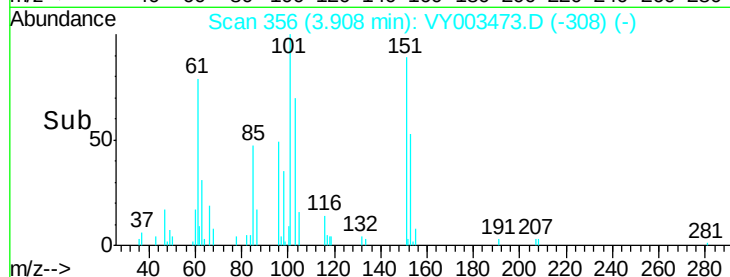
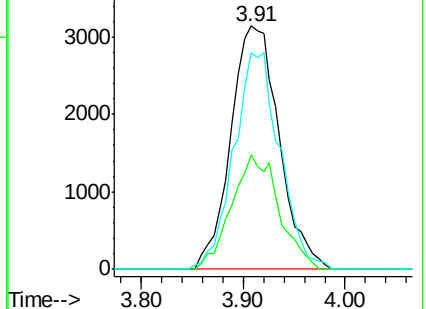
151 84.8 67.6 101.4



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: 5.693 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

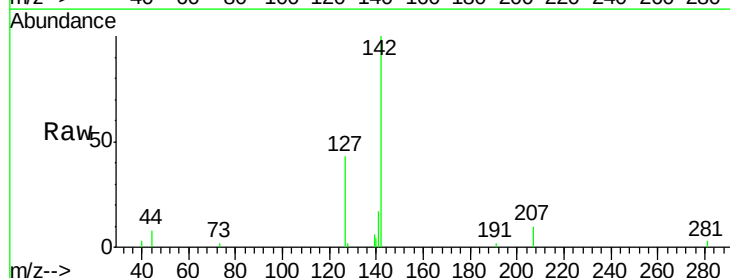
Tgt Ion:142 Resp: 8945

Ion Ratio Lower Upper

142 100

127 44.8 34.5 51.7

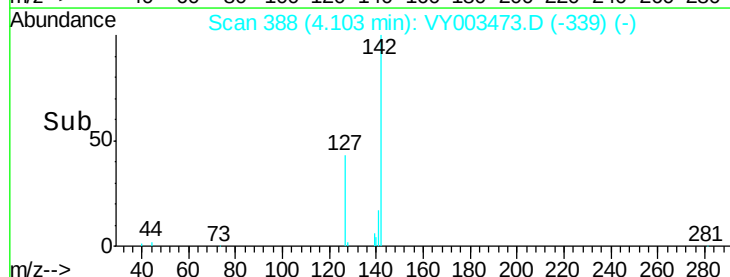
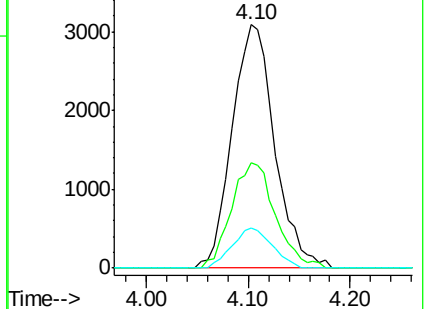
141 15.4 11.8 17.8

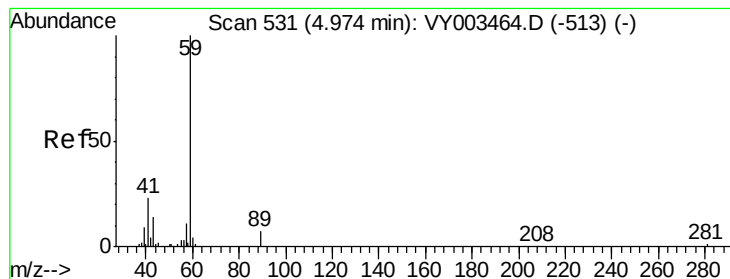


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 39.417 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

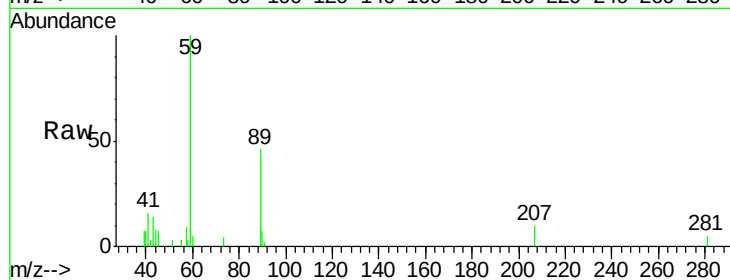
LOQ-SOIL-02-QT4-2020

Tot Ion: 59 Resp: 10591

Ion Ratio Lower Upper

59 100

57 3.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

2500

2000

1500

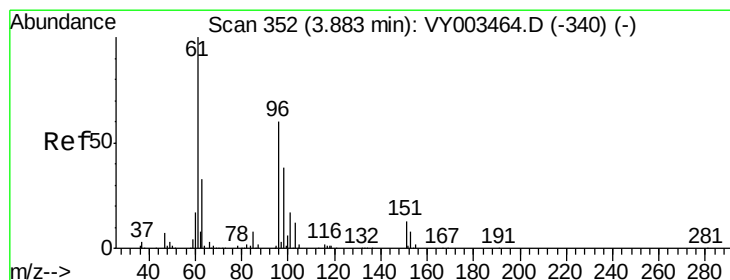
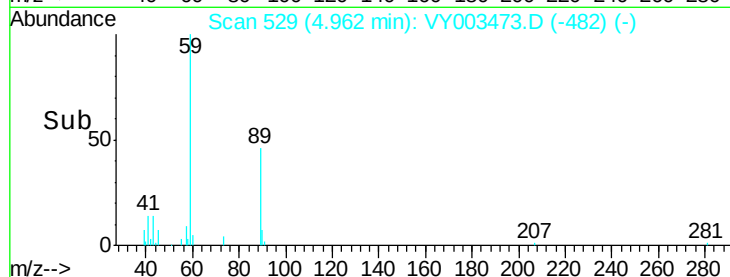
1000

500

0

Time-->

4.80 4.90 5.00 5.10



#12

1,1-Dichloroethene

Concen: 5.681 ug/l

RT: 3.88 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

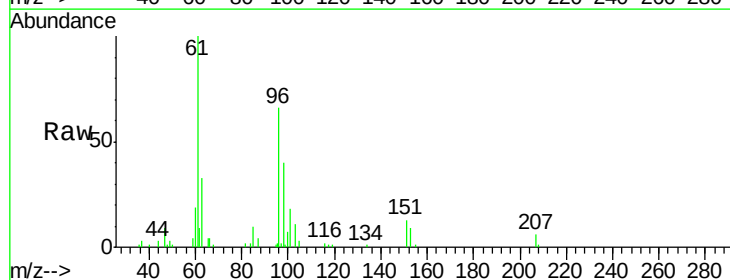
Tgt Ion: 96 Resp: 10762

Ion Ratio Lower Upper

96 100

61 151.5 133.6 200.4

98 61.2 50.2 75.2



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

8000

6000

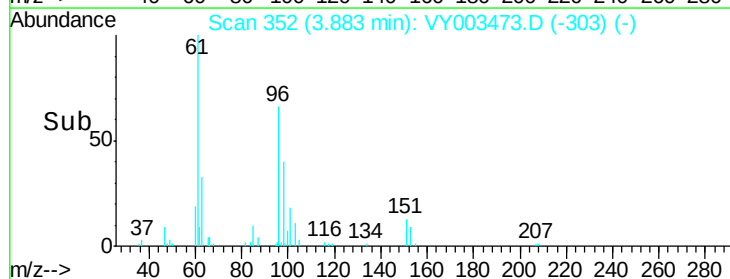
4000

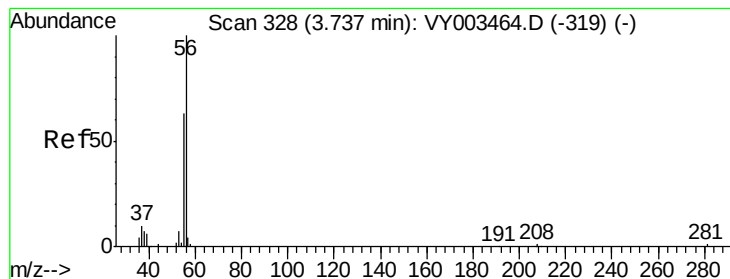
2000

0

Time-->

3.80 3.85 3.90 3.95 4.00





#13

Acrolein

Concen: 30.263 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

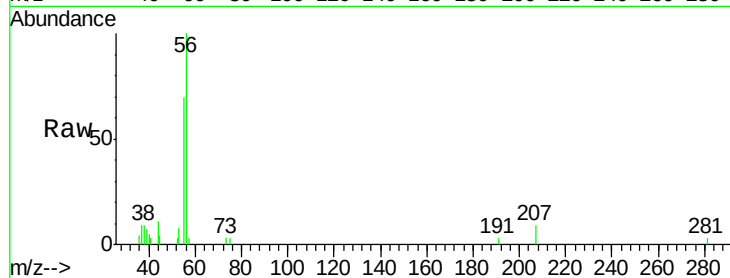
LOQ-SOIL-02-QT4-2020

Tot Ion: 56 Resp: 5977

Ion Ratio Lower Upper

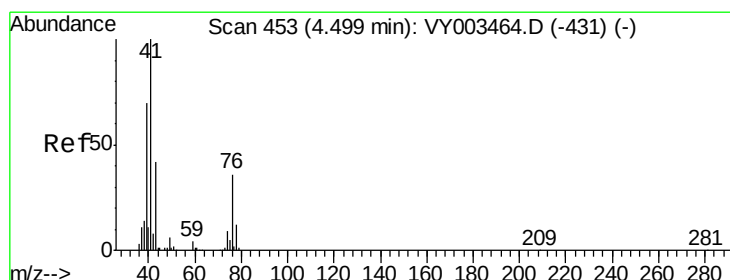
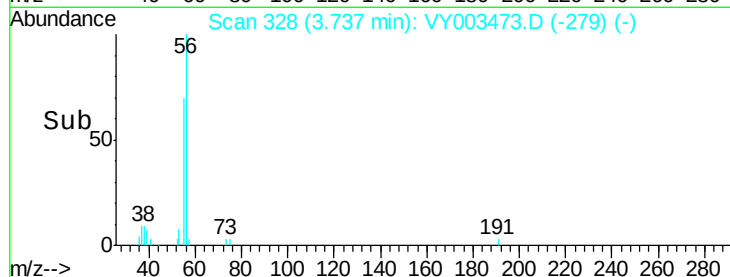
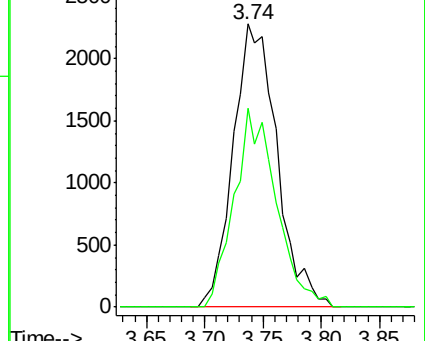
56 100

55 67.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 5.452 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

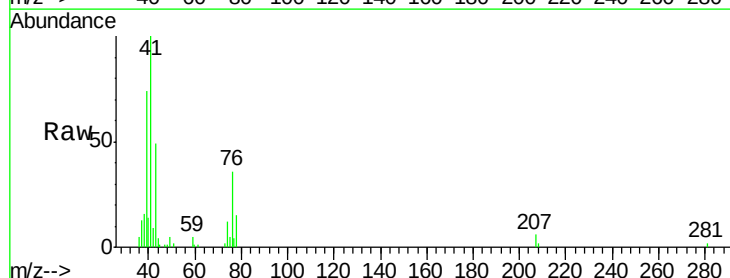
Tgt Ion: 41 Resp: 18846

Ion Ratio Lower Upper

41 100

39 68.9 54.4 81.6

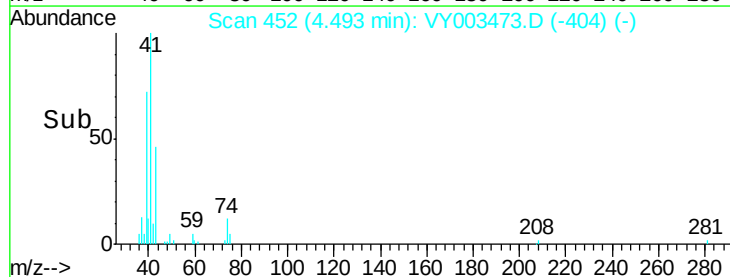
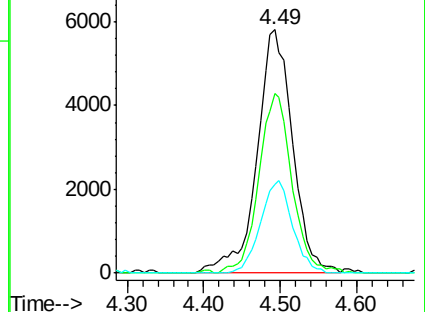
76 34.1 27.6 41.4

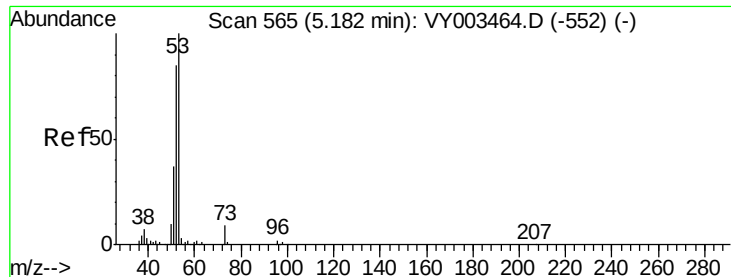


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 27.845 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

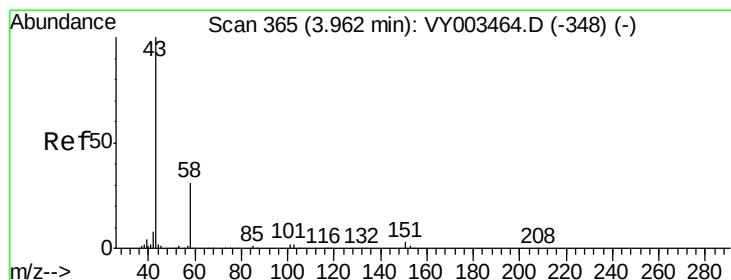
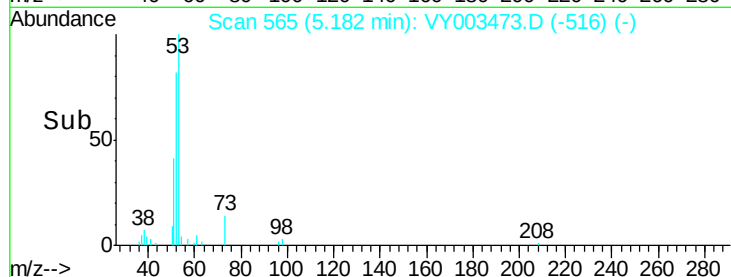
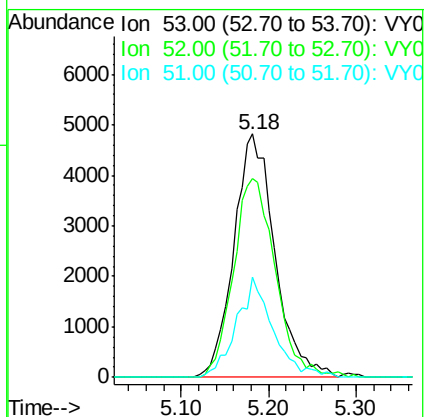
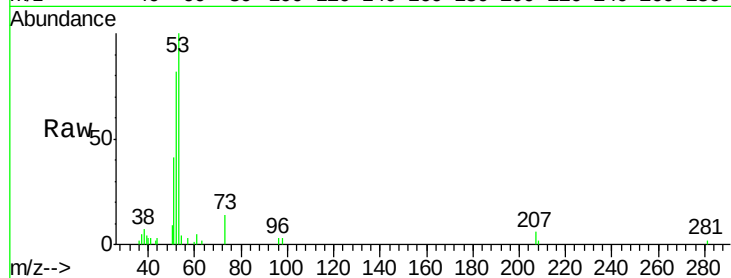
Tot Ion: 53 Resp: 15703

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

51 37.0 29.3 43.9



#16

Acetone

Concen: 23.437 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003473.D

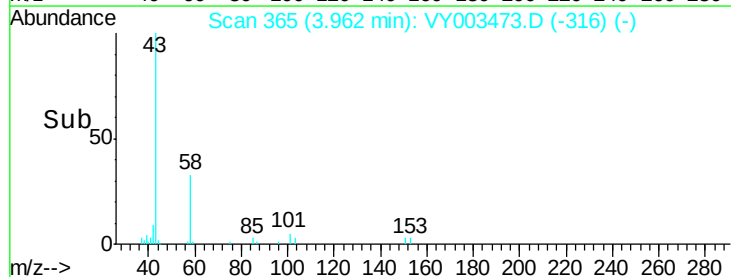
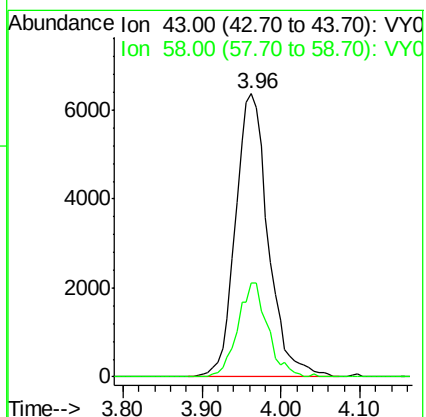
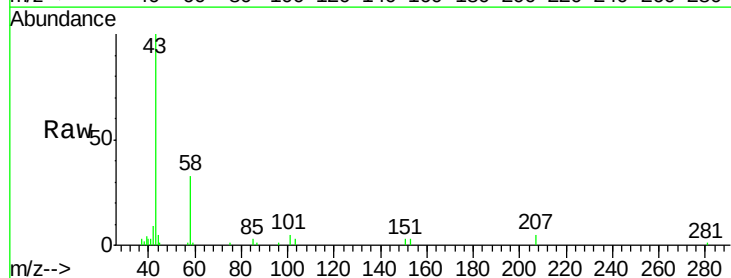
Acq: 02 Nov 2020 15:26

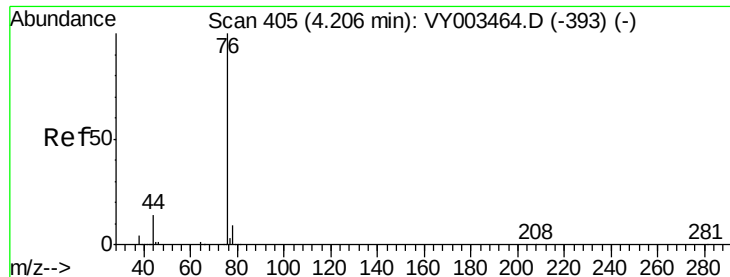
Tgt Ion: 43 Resp: 18400

Ion Ratio Lower Upper

43 100

58 33.3 25.0 37.4





#17

Carbon Disulfide

Concen: 5.567 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

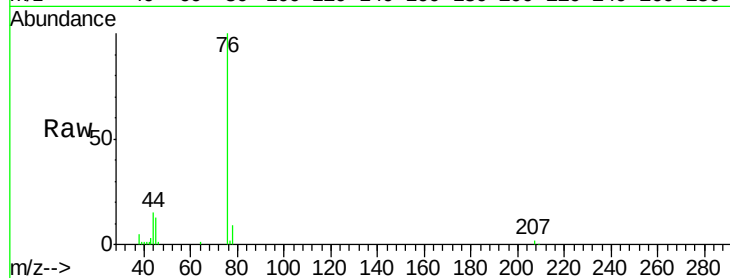
LOQ-SOIL-02-QT4-2020

Tot Ion: 76 Resp: 34166

Ion Ratio Lower Upper

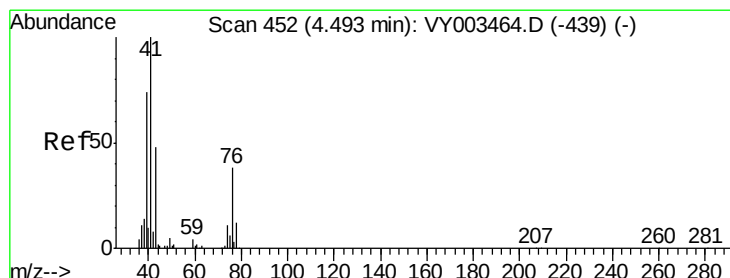
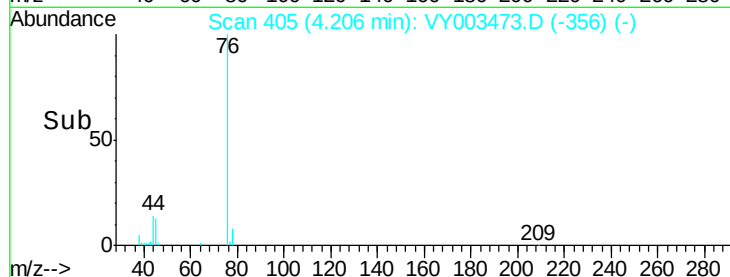
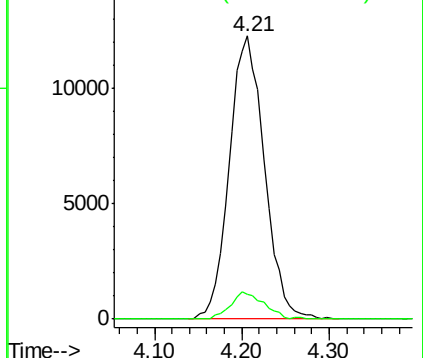
76 100

78 8.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 6.000 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.01 min

Lab File: VY003473.D

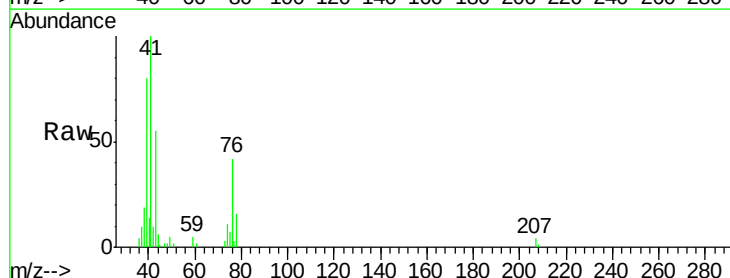
Acq: 02 Nov 2020 15:26

Tgt Ion: 43 Resp: 8902

Ion Ratio Lower Upper

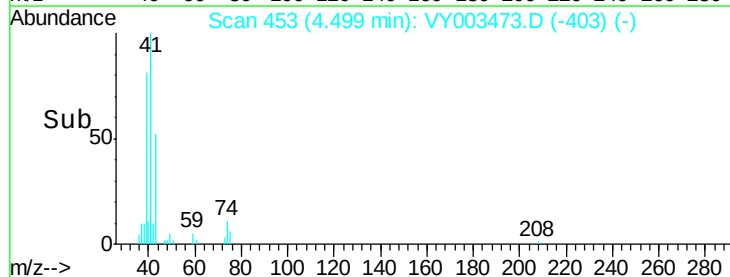
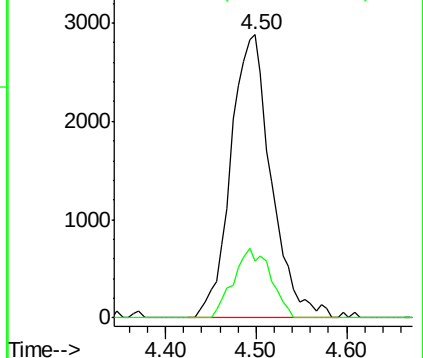
43 100

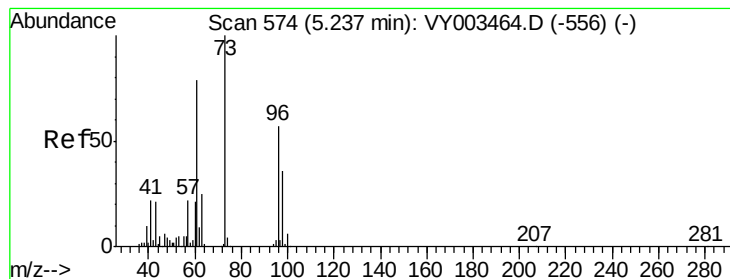
74 22.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



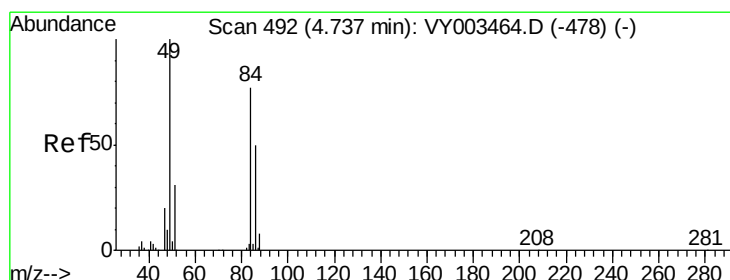
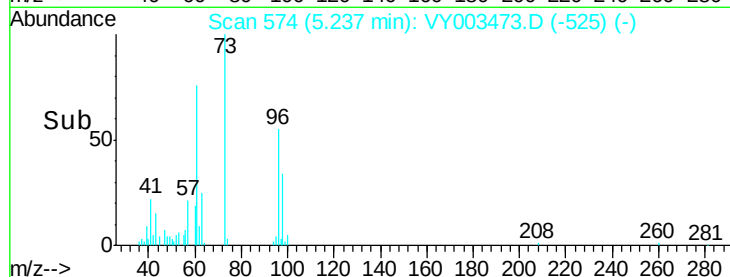
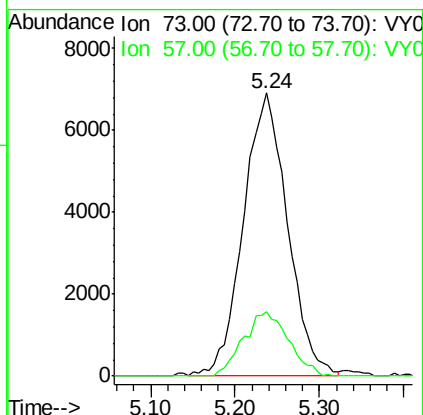
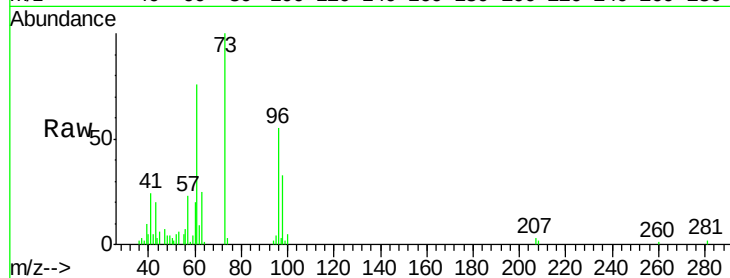


#19

Methyl tert-butyl Ether
 Concen: 5.271 ug/l
 RT: 5.24 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

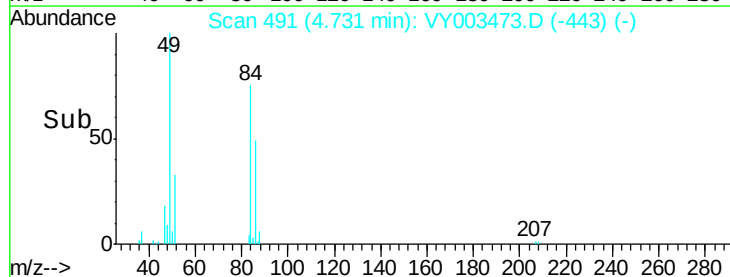
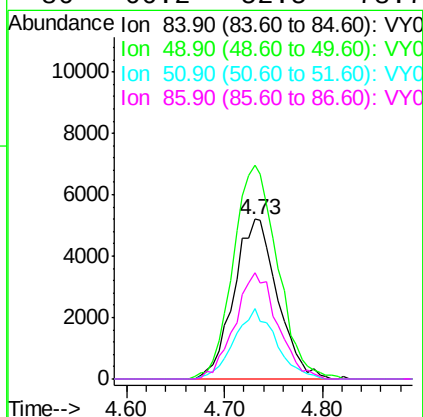
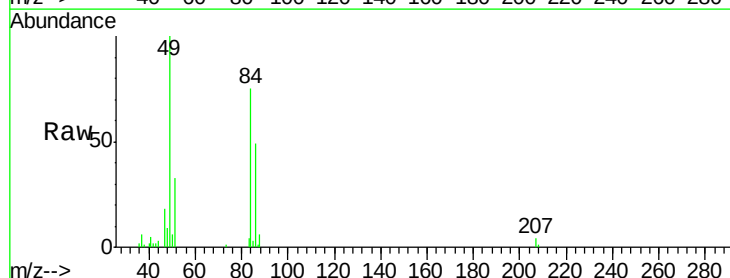
Tot Ion: 73 Resp: 24732
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.2 25.8

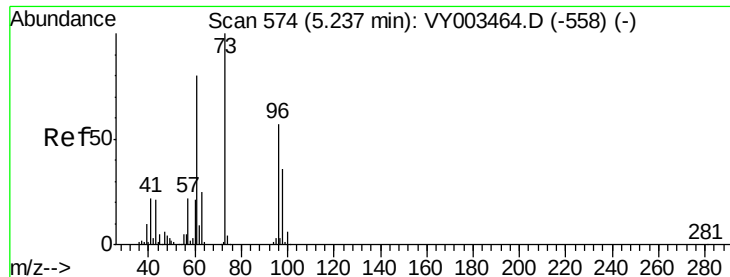


#20

Methylene Chloride
 Concen: 7.282 ug/l
 RT: 4.73 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion: 84 Resp: 16101
 Ion Ratio Lower Upper
 84 100
 49 133.8 104.3 156.5
 51 44.2 32.5 48.7
 86 66.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.548 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

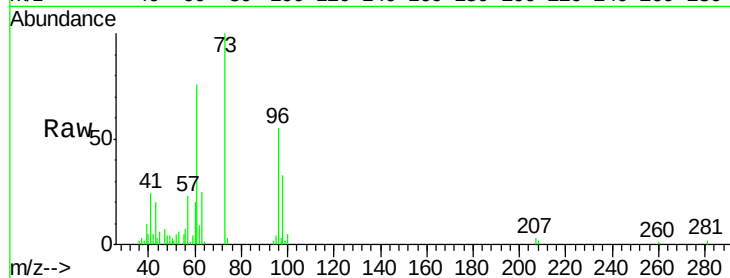
Tot Ion: 96 Resp: 12170

Ion Ratio Lower Upper

96 100

61 138.6 111.3 166.9

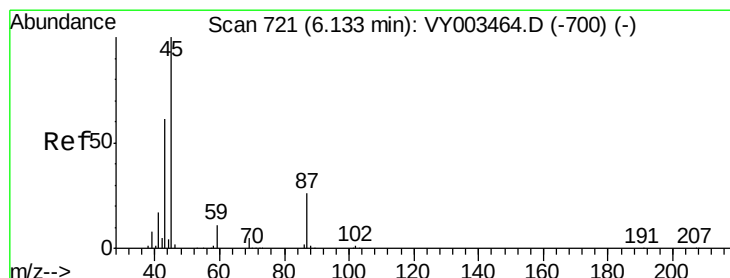
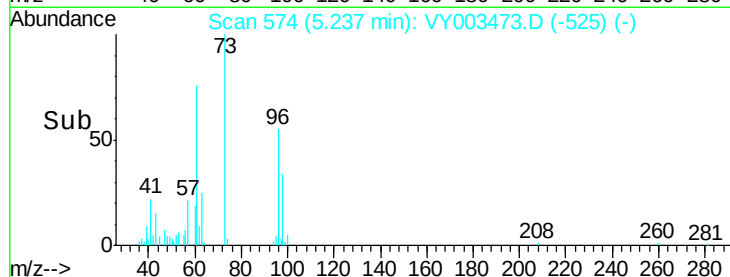
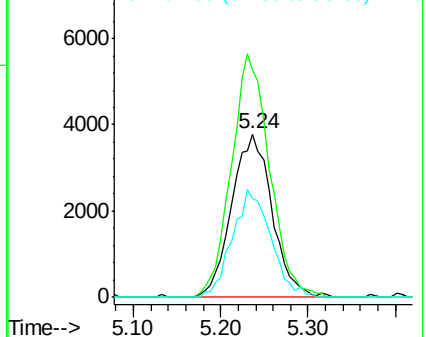
98 60.8 50.3 75.5



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: 5.332 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion: 45 Resp: 32327

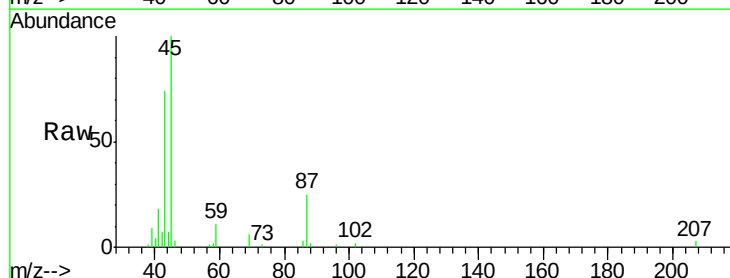
Ion Ratio Lower Upper

45 100

43 72.5 48.8 73.2

87 24.6 20.6 31.0

59 11.1 9.0 13.4

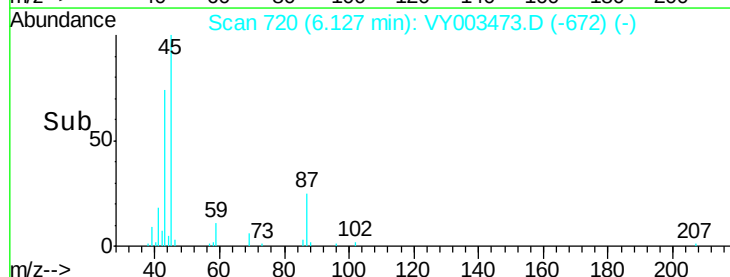
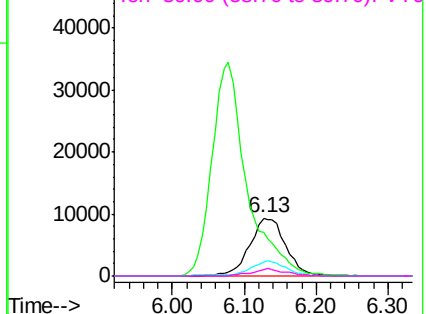


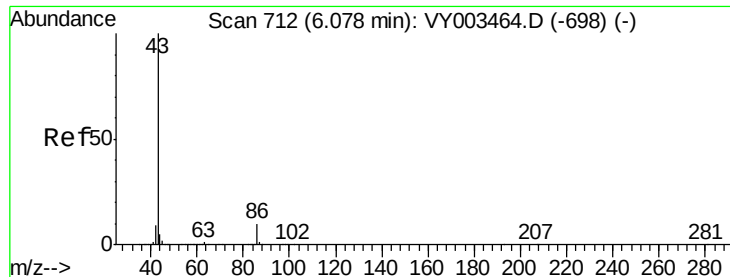
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 25.565 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

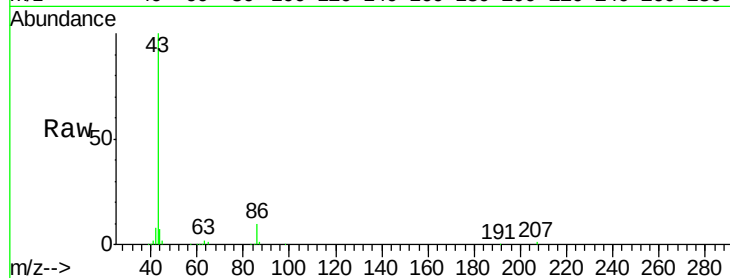
LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 116466

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

40000

30000

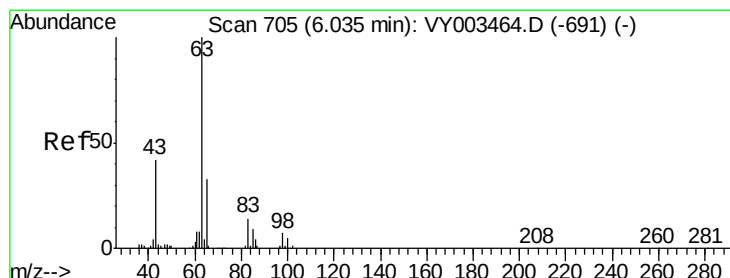
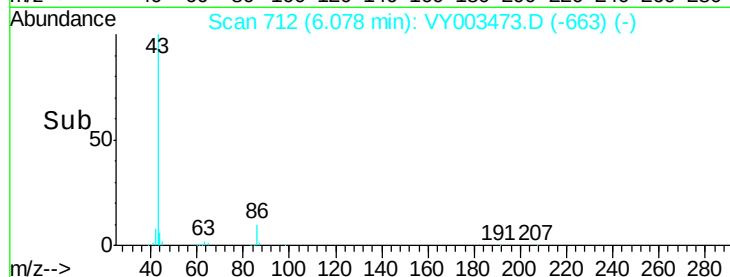
20000

10000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 5.512 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

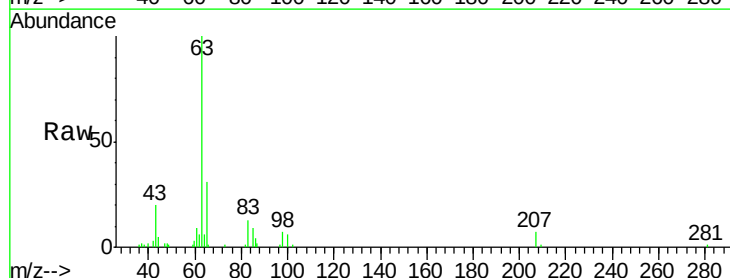
Tgt Ion: 63 Resp: 21235

Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 5.9 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

8000

6000

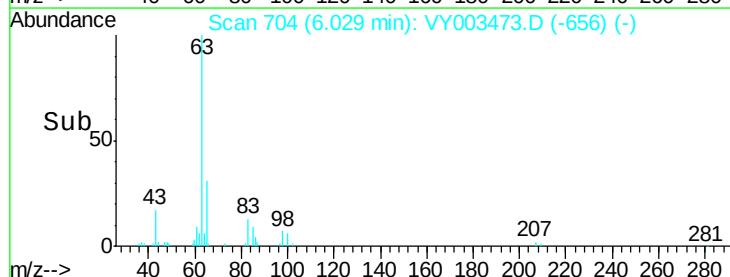
4000

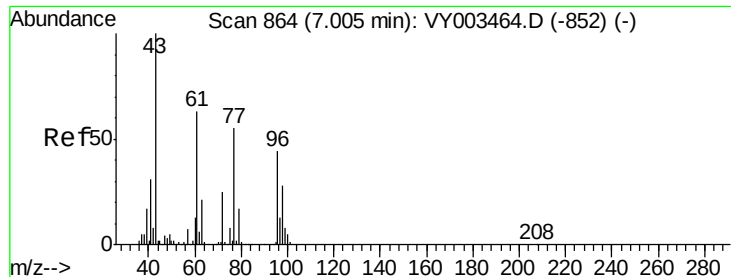
2000

0

5.90 6.00 6.10

Time-->





#25

2-Butanone

Concen: 24.651 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

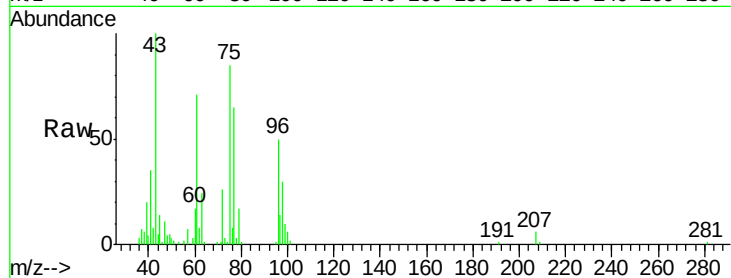
LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 24205

Ion Ratio Lower Upper

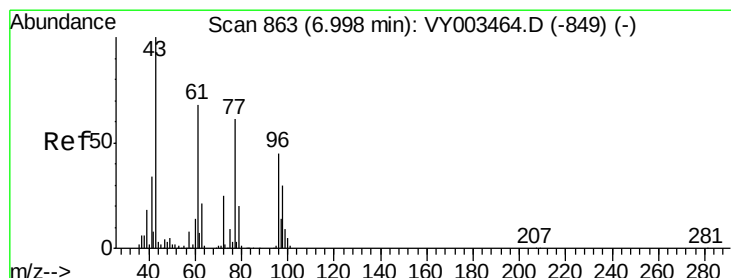
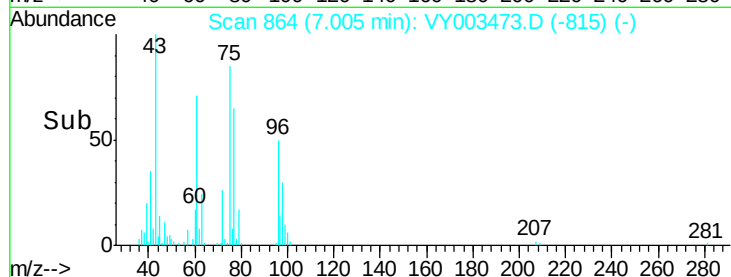
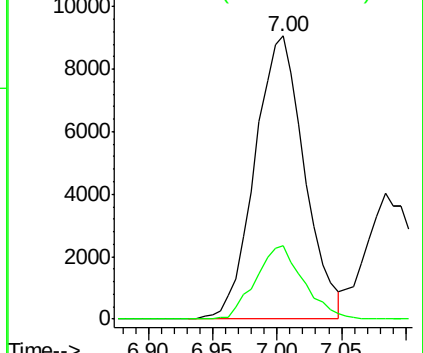
43 100

72 26.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.608 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY003473.D

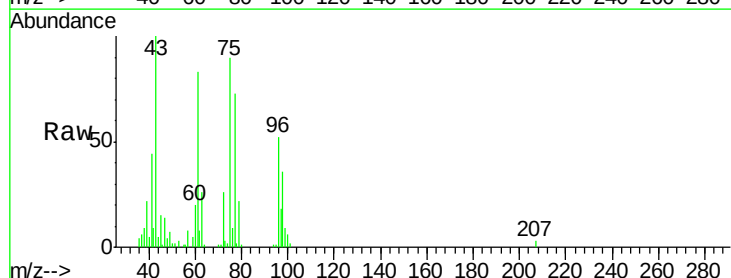
Acq: 02 Nov 2020 15:26

Tgt Ion: 77 Resp: 20127

Ion Ratio Lower Upper

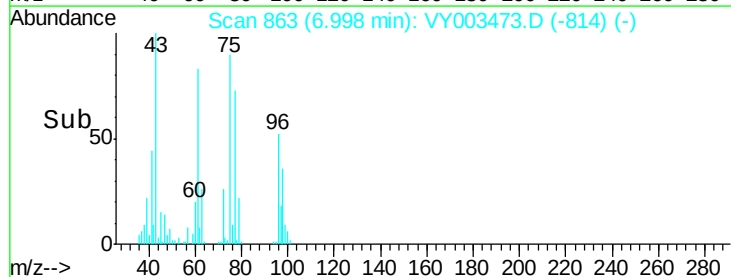
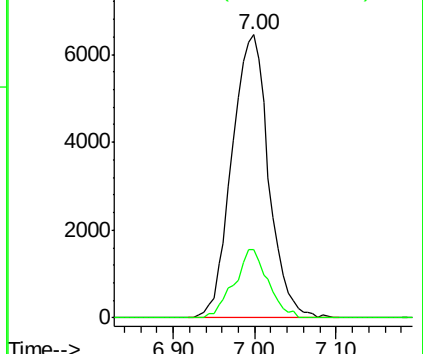
77 100

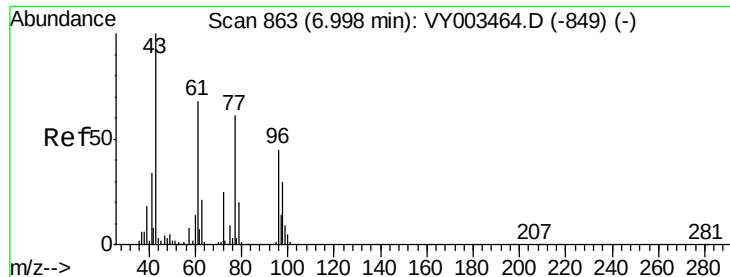
97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



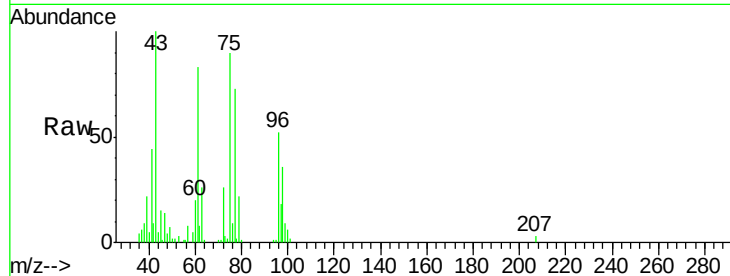


#27

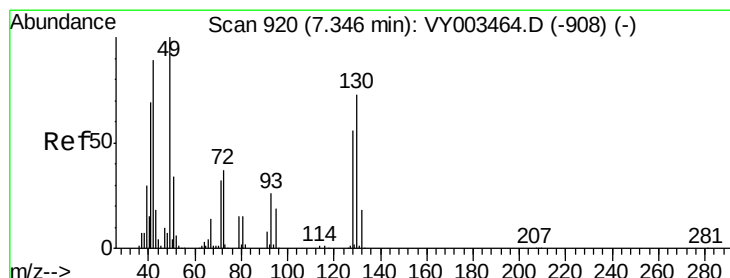
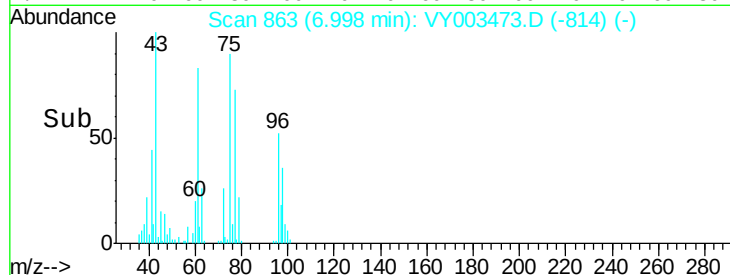
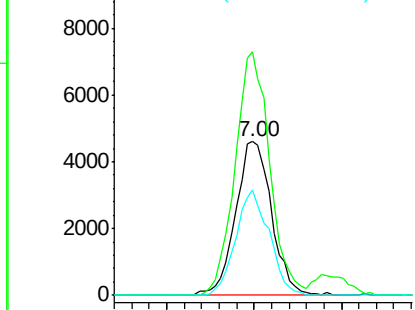
cis-1,2-Dichloroethene
Concen: 5.550 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 96 Resp: 13194
Ion Ratio Lower Upper
96 100
61 151.9 0.0 299.2
98 63.8 0.0 128.6



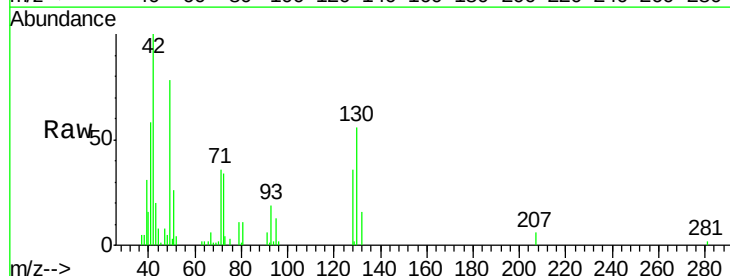
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



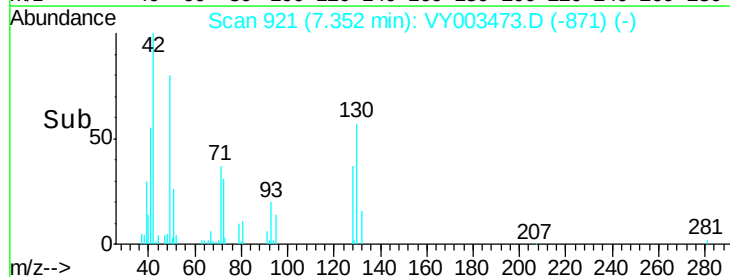
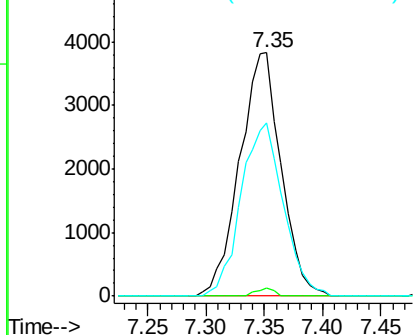
#28

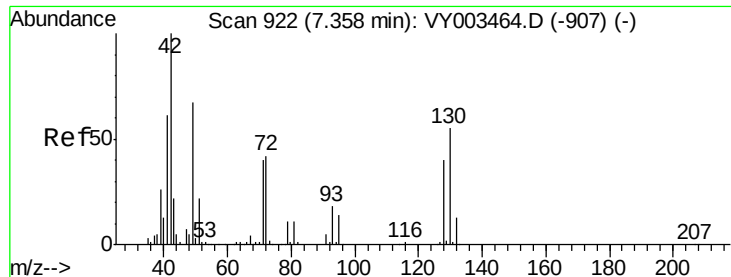
Bromochloromethane
Concen: 4.882 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 49 Resp: 9461
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.2
130 72.6 60.0 90.0



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

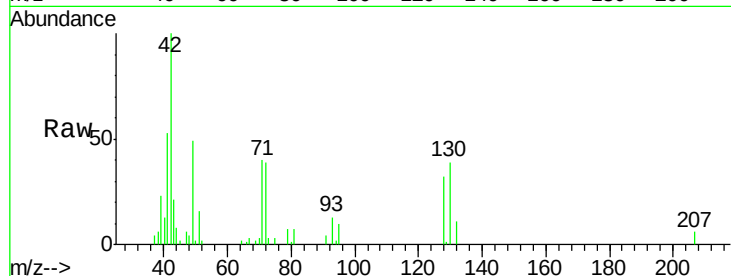




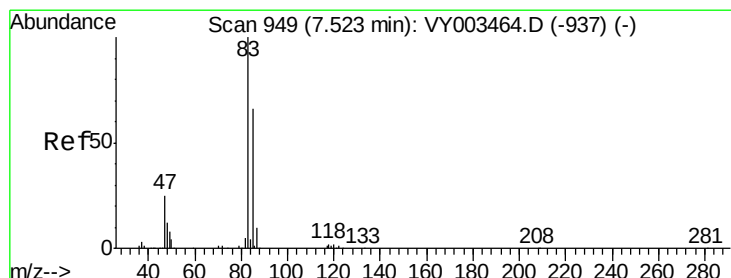
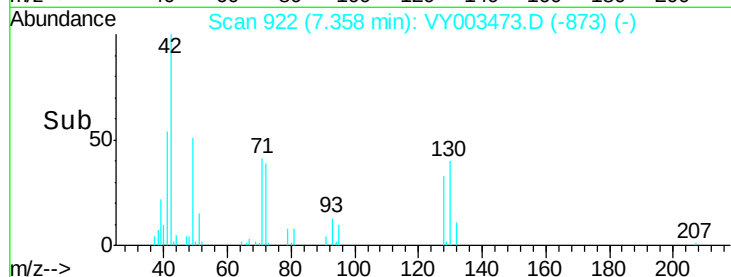
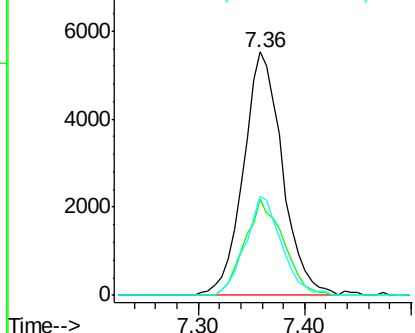
#29
Tetrahydrofuran
Concen: 27.682 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion: 42 Resp: 14203
Ion Ratio Lower Upper
42 100
72 38.9 32.8 49.2
71 37.4 30.7 46.1

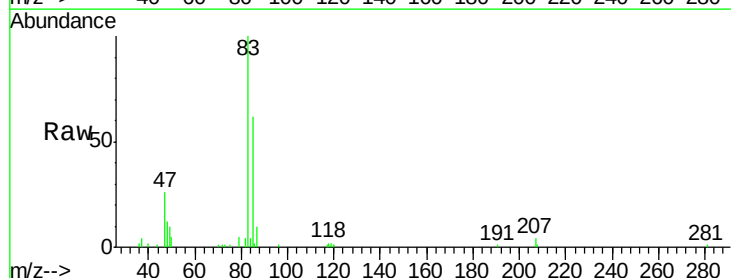


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

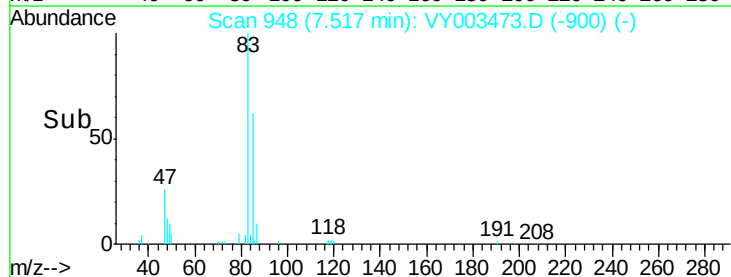
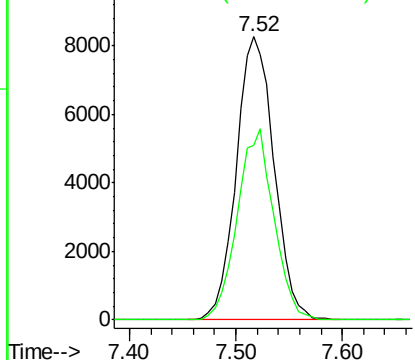


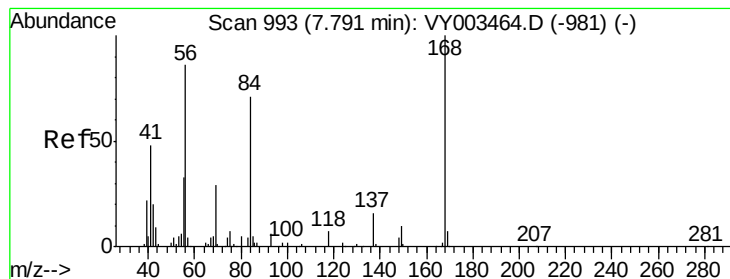
#30
Chloroform
Concen: 5.446 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 83 Resp: 20608
Ion Ratio Lower Upper
83 100
85 61.6 52.6 79.0



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





#31

Cyclohexane

Concen: 6.342 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

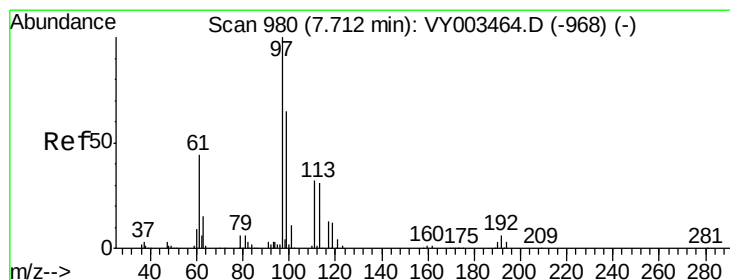
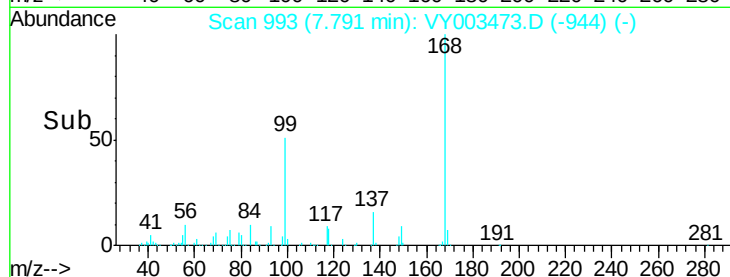
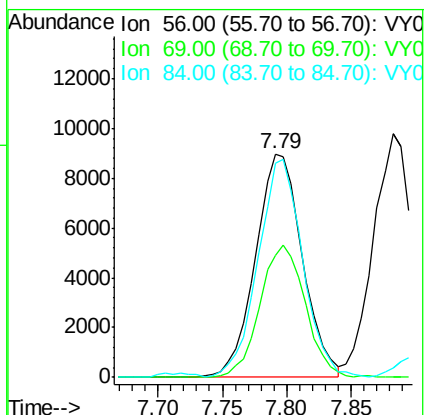
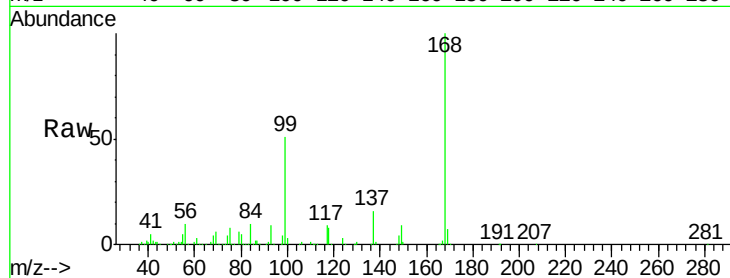
Tot Ion: 56 Resp: 22623

Ion Ratio Lower Upper

56 100

69 54.4 26.6 39.8#

84 94.7 65.9 98.9



#32

1,1,1-Trichloroethane

Concen: 5.515 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

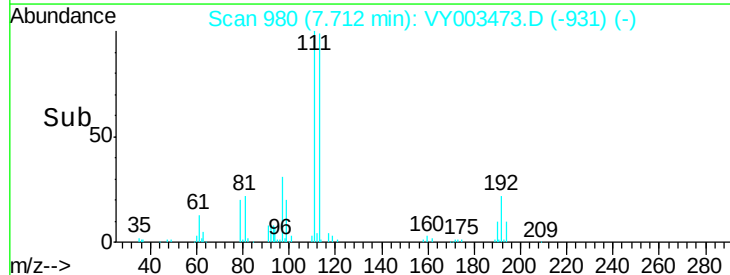
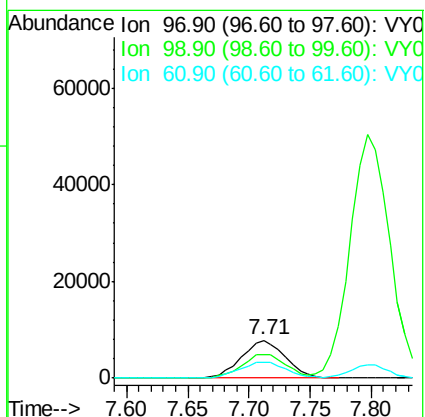
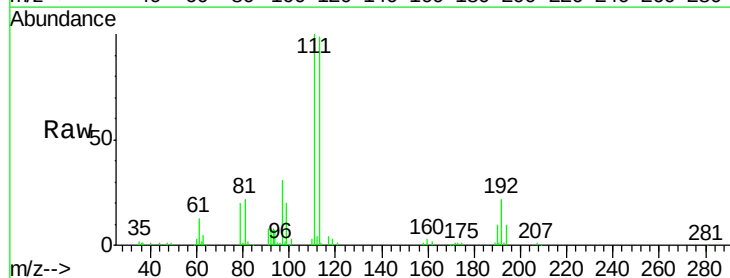
Tgt Ion: 97 Resp: 19469

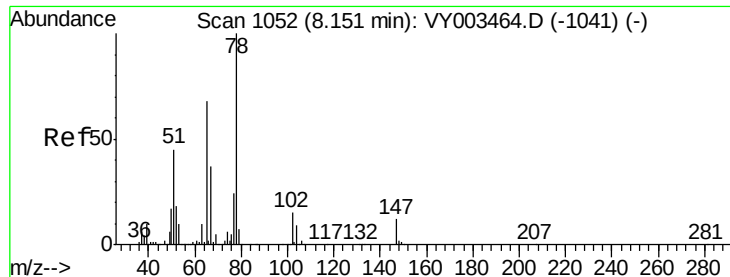
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 45.1 35.1 52.7

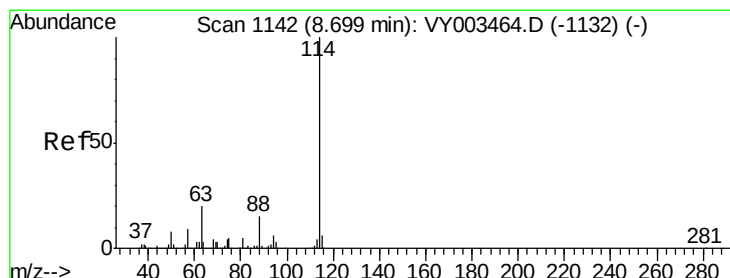
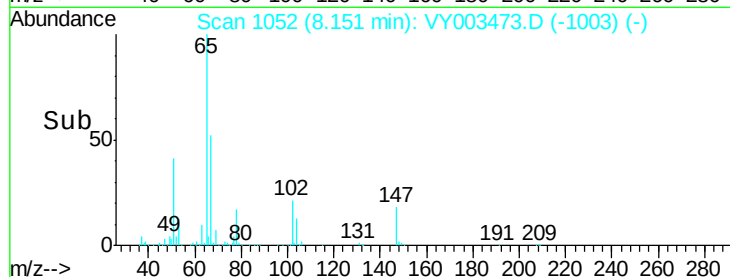
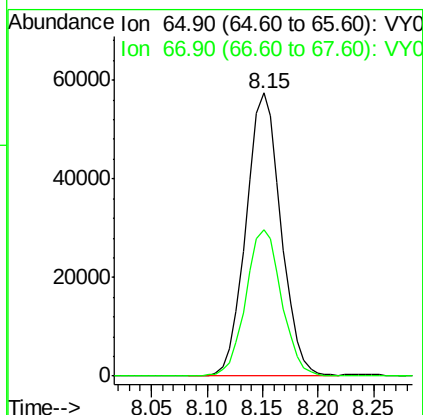
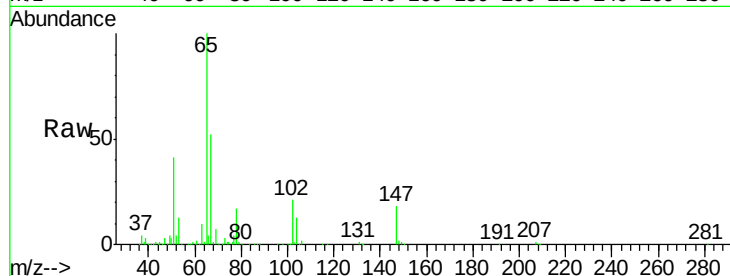




#33
 1,2-Dichloroethane-d4
 Concen: 52.669 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

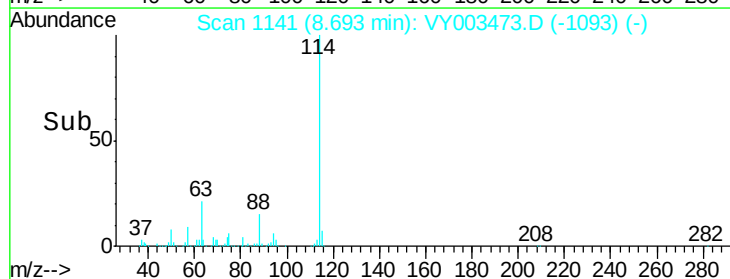
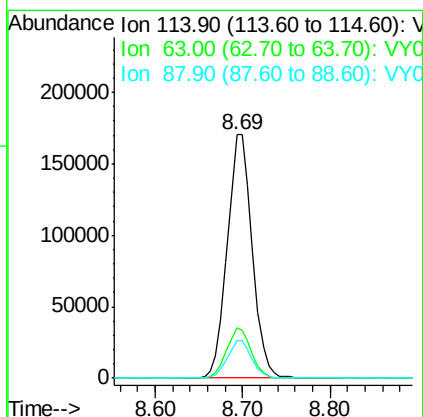
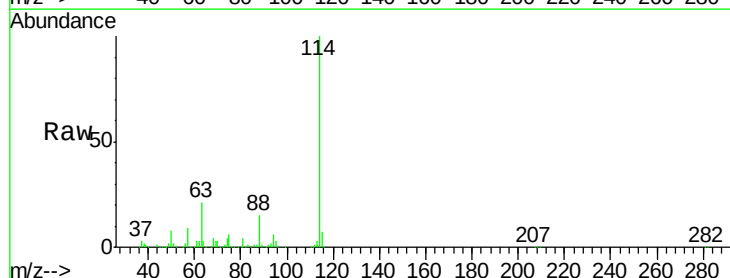
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

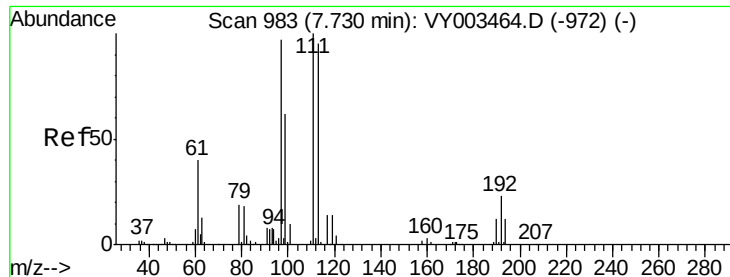
Tot Ion: 65 Resp: 125345
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion: 114 Resp: 338142
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.6
 88 15.5 0.0 29.4

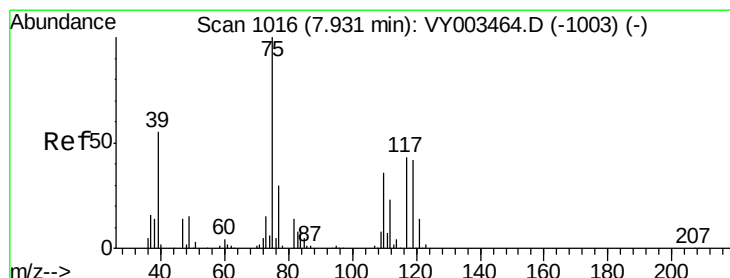
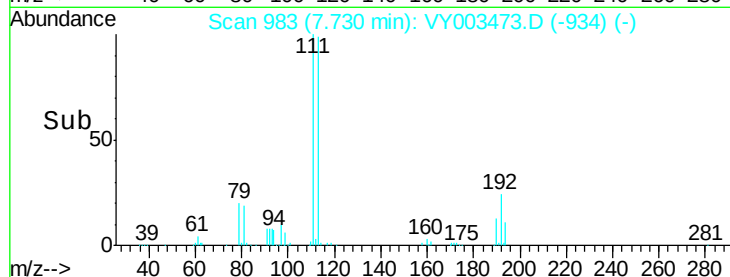
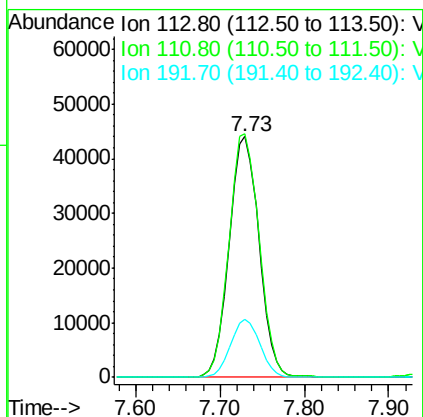
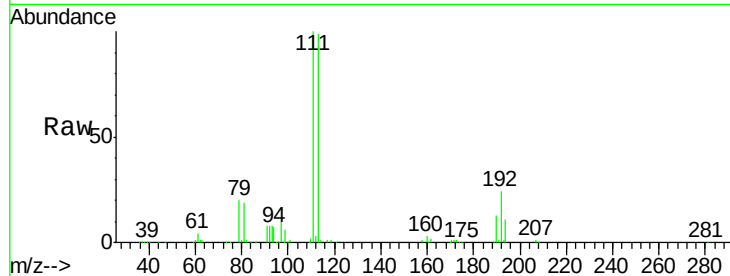




#35
 Dibromofluoromethane
 Concen: 51.468 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

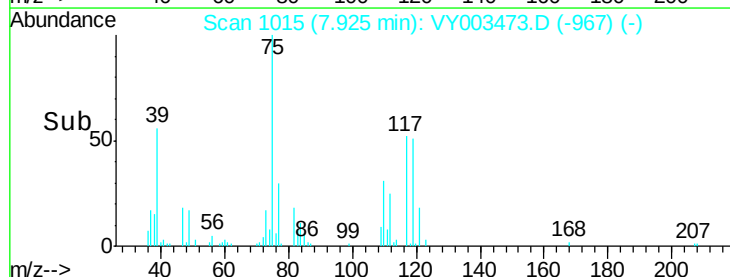
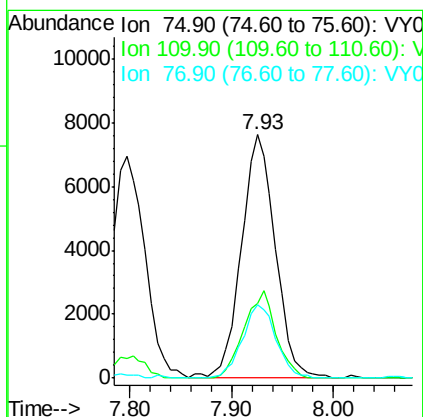
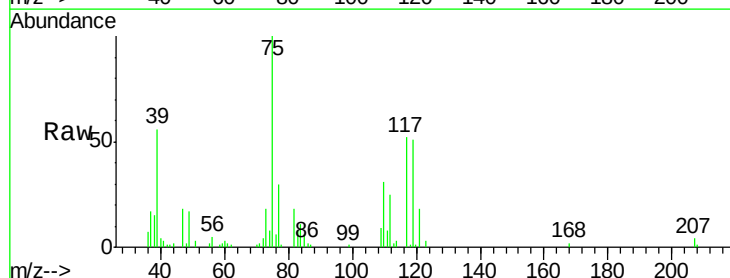
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

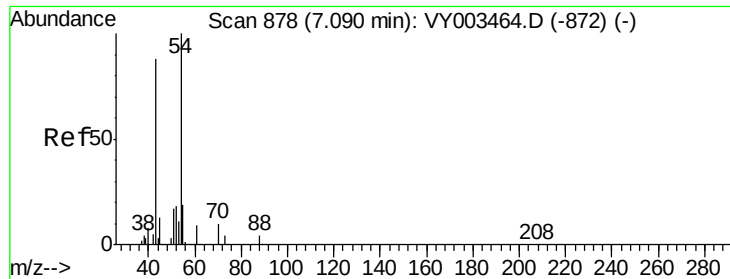
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	23.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.533 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.6	52.9
77	29.9	24.7	37.1

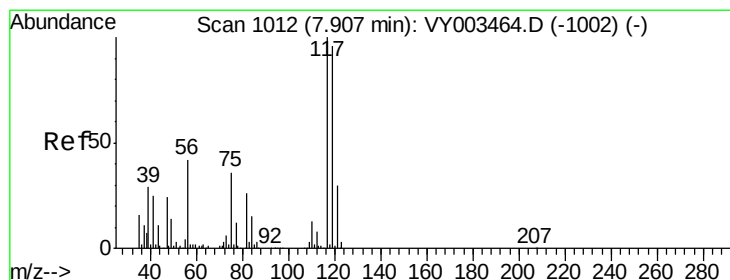
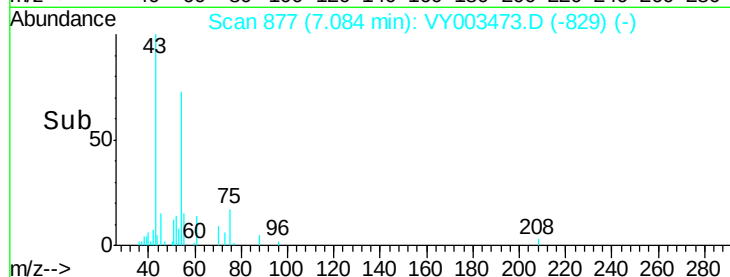
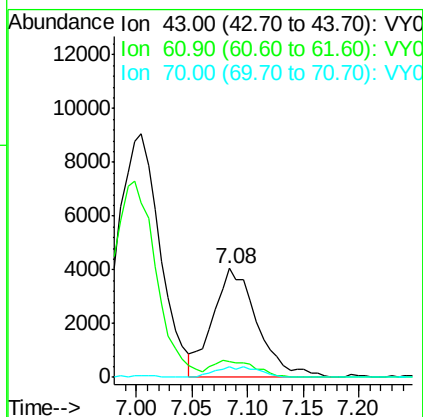
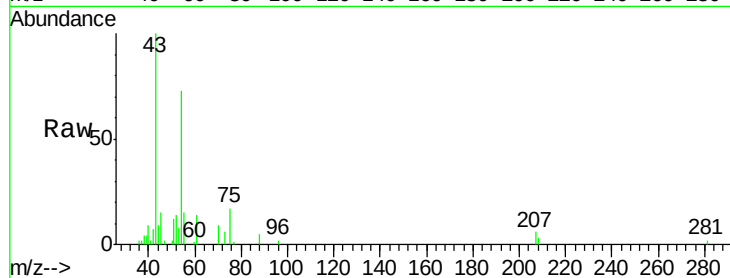




#37
Ethyl Acetate
Concen: 5.692 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

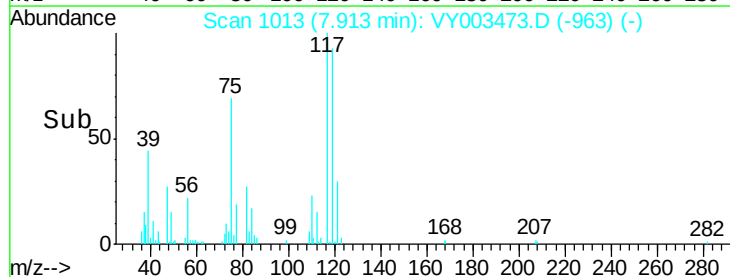
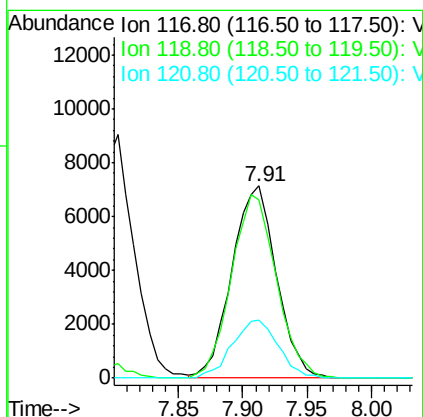
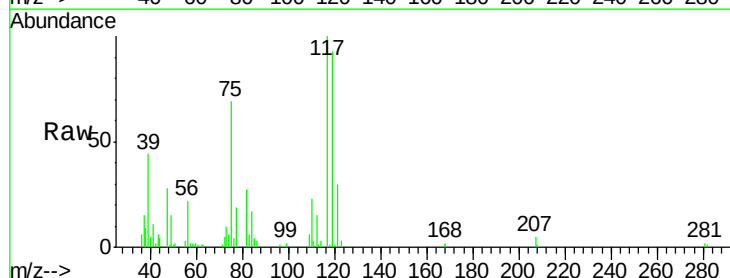
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

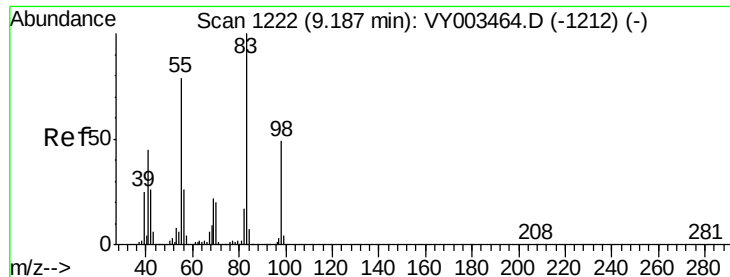
Tot Ion: 43 Resp: 11268
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.6
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.190 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 117 Resp: 17167
Ion Ratio Lower Upper
117 100
119 92.6 76.2 114.4
121 30.0 24.2 36.4

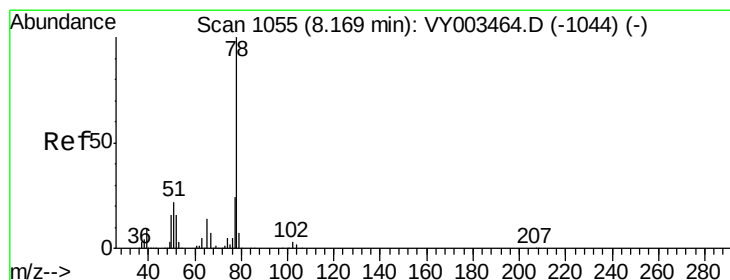
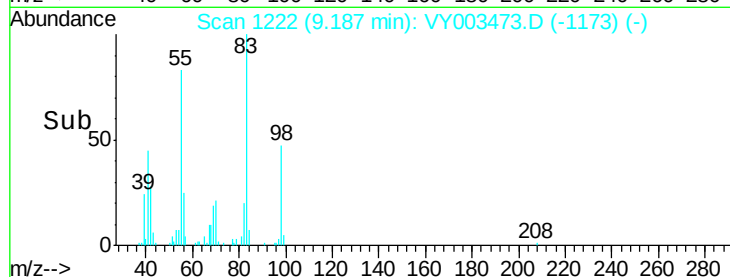
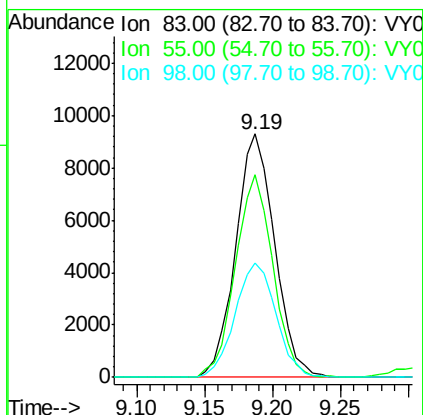
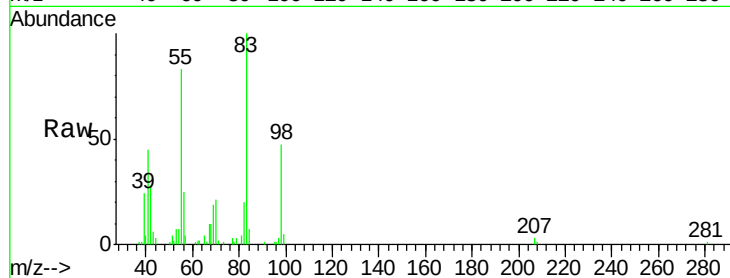




#39
Methylvlcyclohexane
Concen: 5.239 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

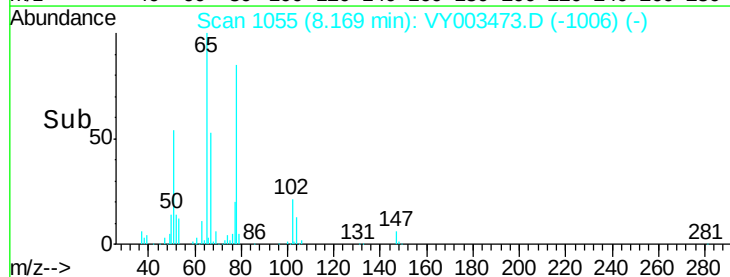
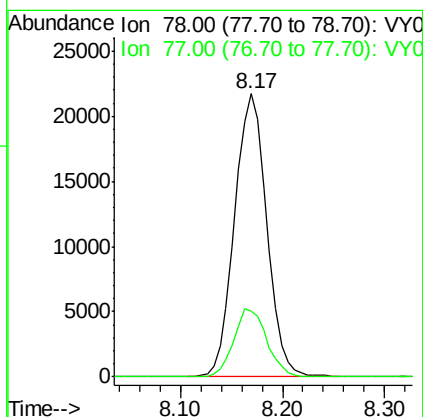
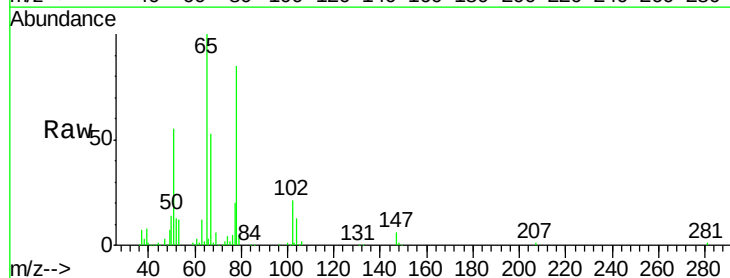
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

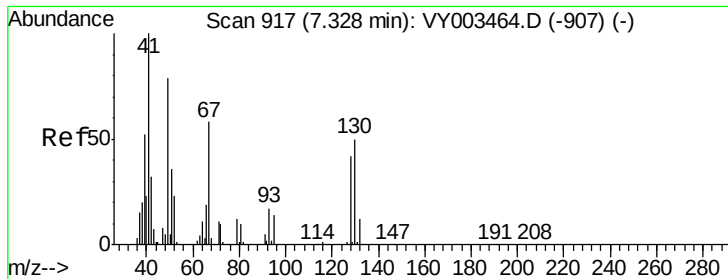
Tot Ion: 83 Resp: 18598
Ion Ratio Lower Upper
83 100
55 83.3 63.5 95.3
98 47.0 39.4 59.2



#40
Benzene
Concen: 5.363 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 78 Resp: 47579
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

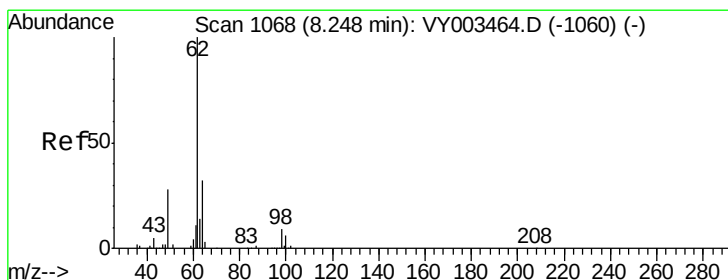
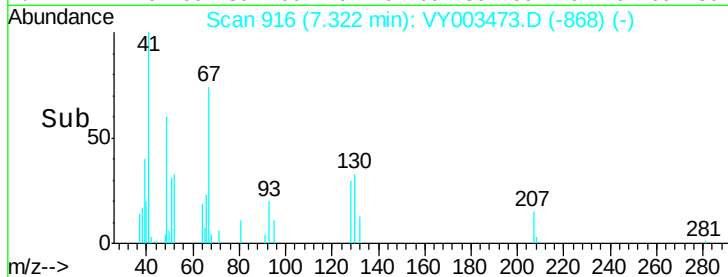
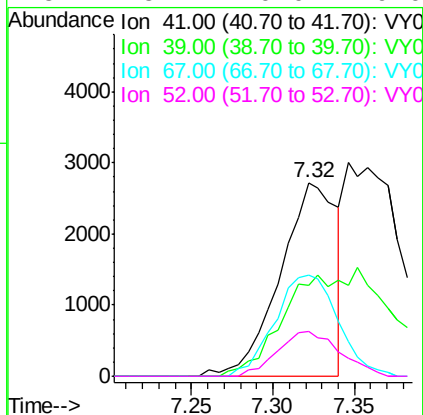
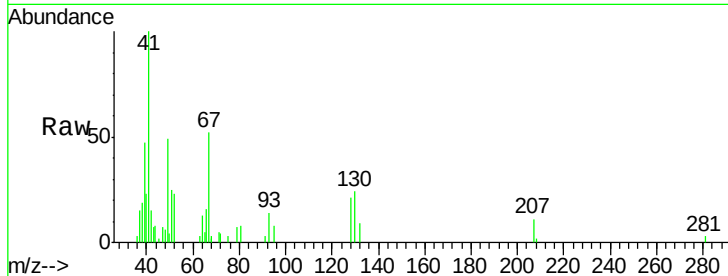




#41
Methacrylonitrile
Concen: 6.204 ug/l
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

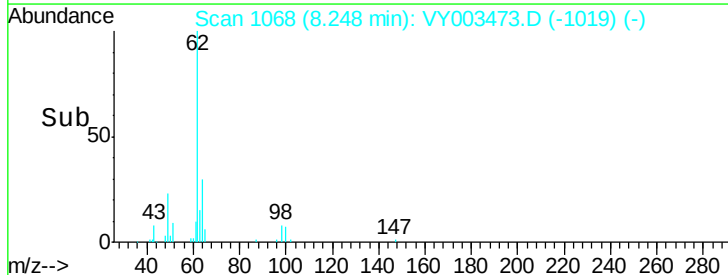
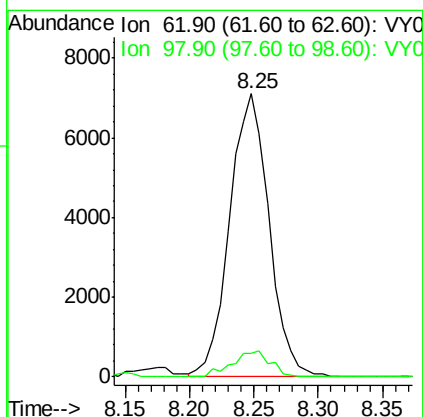
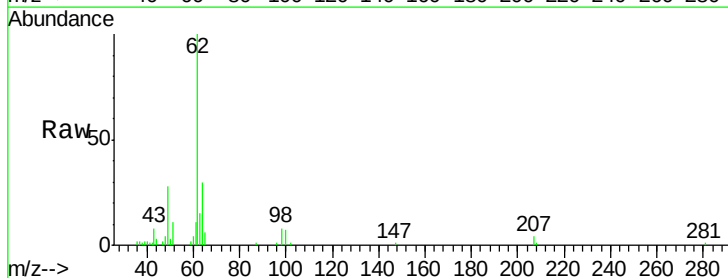
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

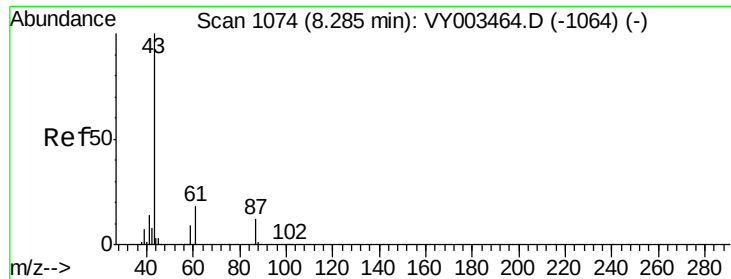
Tot Ion:	41	Resp:	6559
Ion	Ratio	Lower	Upper
41	100		
39	45.2	0.0	0.0#
67	58.3	0.0	0.0#
52	25.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 5.428 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion:	62	Resp:	15091
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 5.274 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

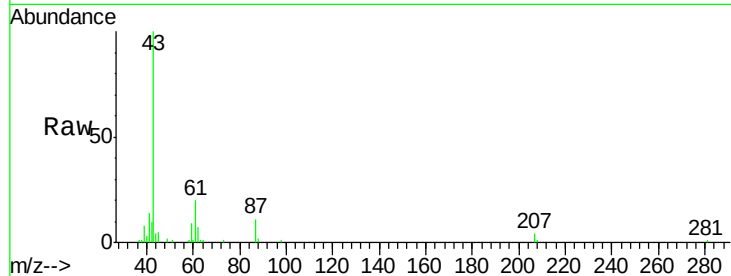
Tot Ion: 43 Resp: 18764

Ion Ratio Lower Upper

43 100

61 28.8 21.9 32.9

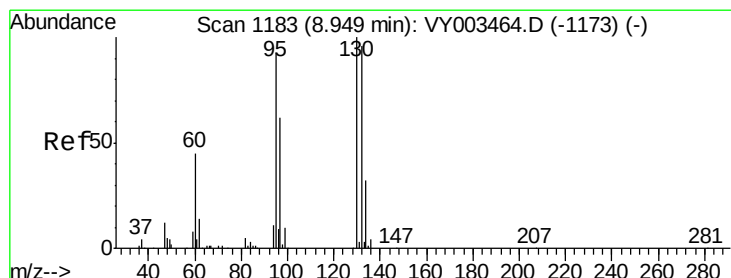
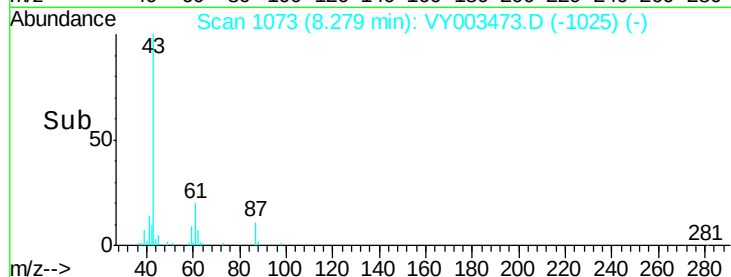
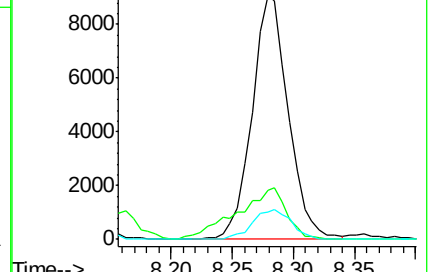
87 13.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VY003473.D (-1073) (-)

Ion 61.00 (60.70 to 61.70): VY003473.D (-1073) (-)

Ion 87.00 (86.70 to 87.70): VY003473.D (-1073) (-)



#44

Trichloroethene

Concen: 5.451 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY003473.D

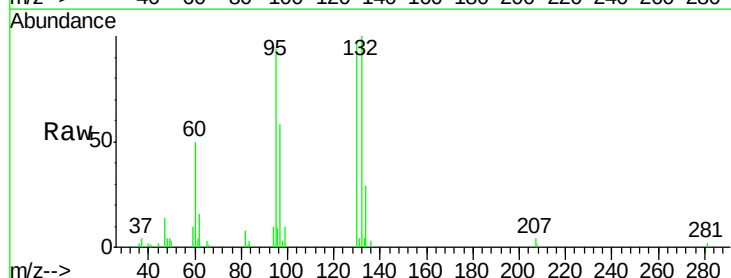
Acq: 02 Nov 2020 15:26

Tgt Ion: 130 Resp: 13577

Ion Ratio Lower Upper

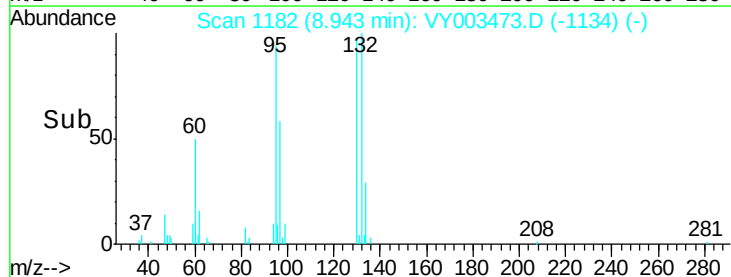
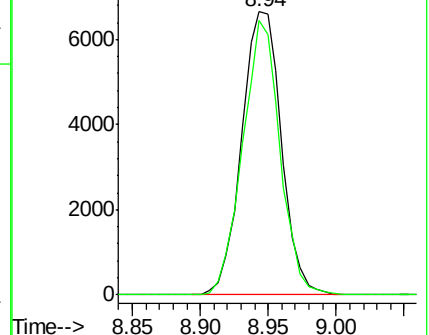
130 100

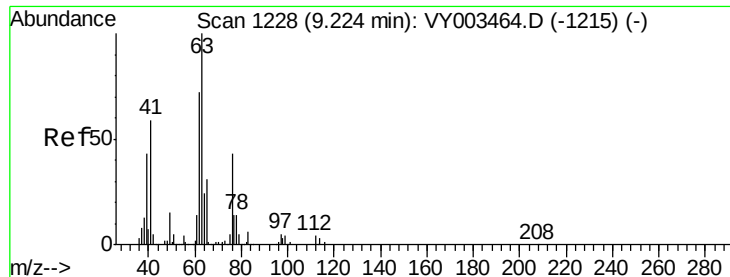
95 96.9 0.0 186.6



Abundance Ion 129.80 (129.50 to 130.50): VY003473.D (-1182) (-)

Ion 94.90 (94.60 to 95.60): VY003473.D (-1182) (-)





#45

1,2-Dichloropropane

Concen: 5.366 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

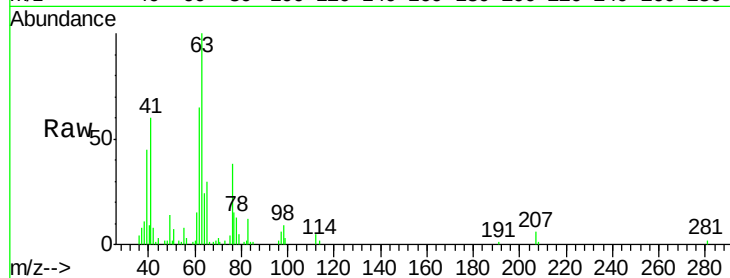
LOQ-SOIL-02-QT4-2020

Tot Ion: 63 Resp: 12022

Ion Ratio Lower Upper

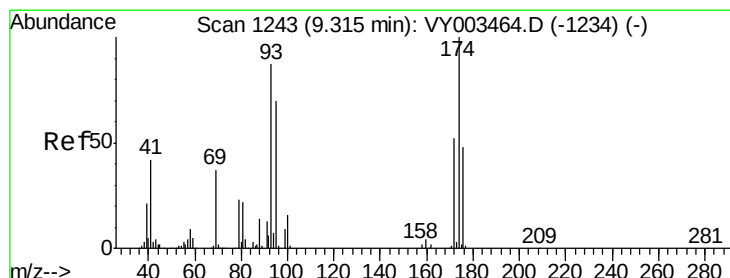
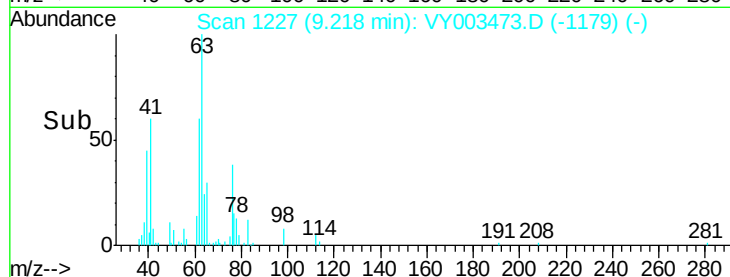
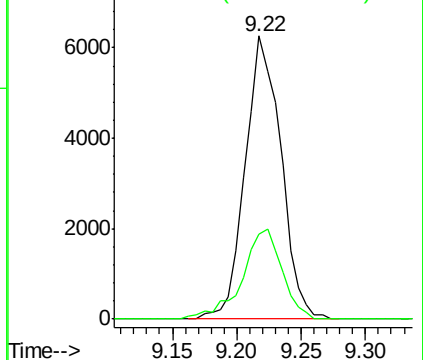
63 100

65 30.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 5.316 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

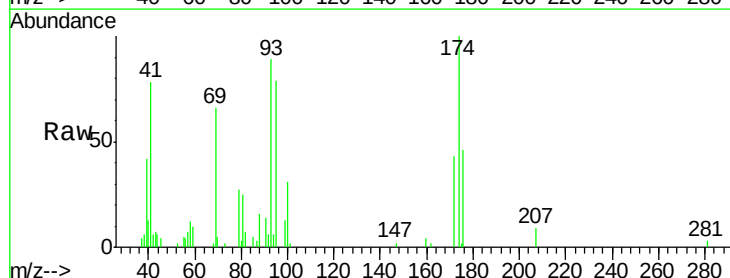
Tgt Ion: 93 Resp: 6553

Ion Ratio Lower Upper

93 100

95 83.0 65.0 97.6

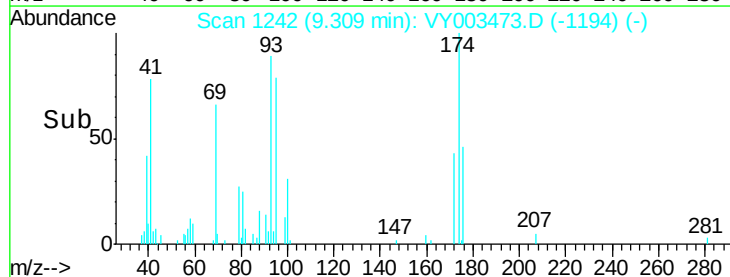
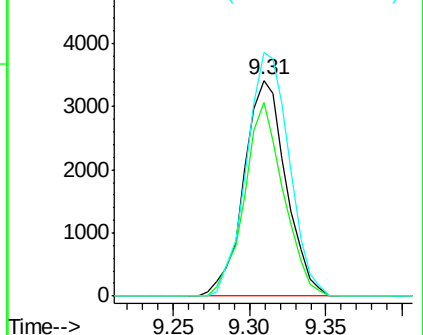
174 114.0 91.8 137.6

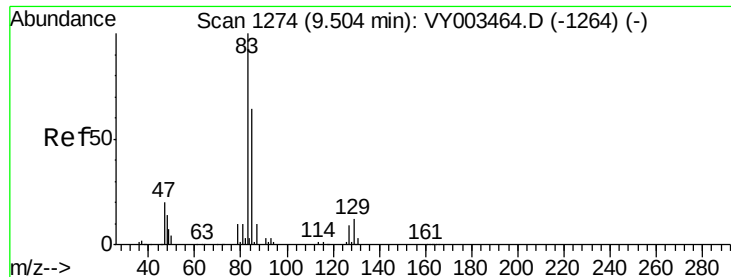


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.239 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

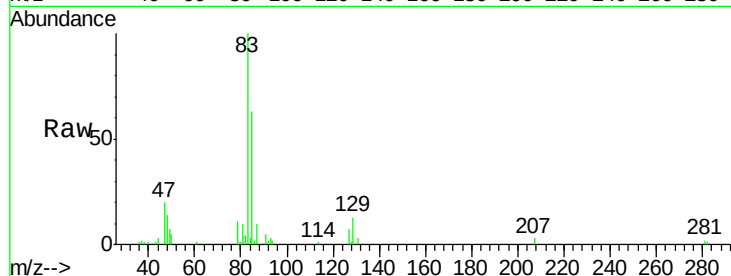
Tot Ion: 83 Resp: 15805

Ion Ratio Lower Upper

83 100

85 63.0 51.0 76.6

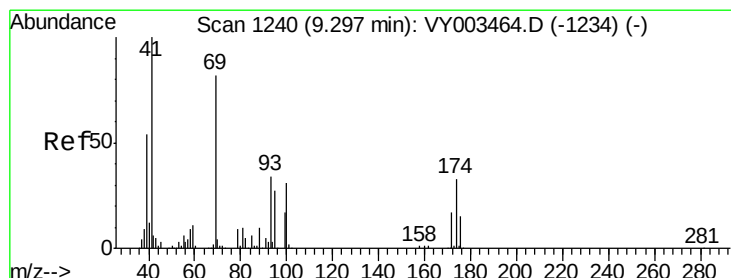
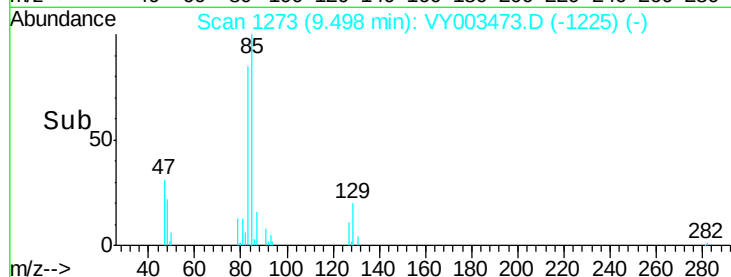
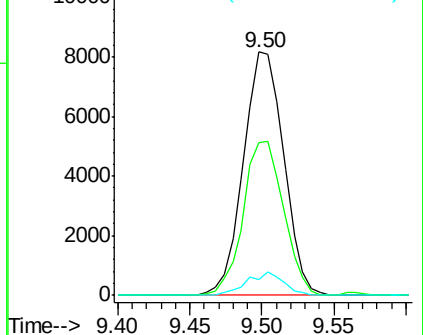
127 6.6 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 4.967 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

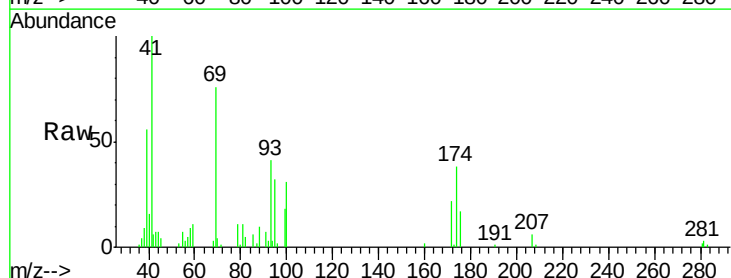
Tgt Ion: 41 Resp: 8325

Ion Ratio Lower Upper

41 100

69 84.4 65.9 98.9

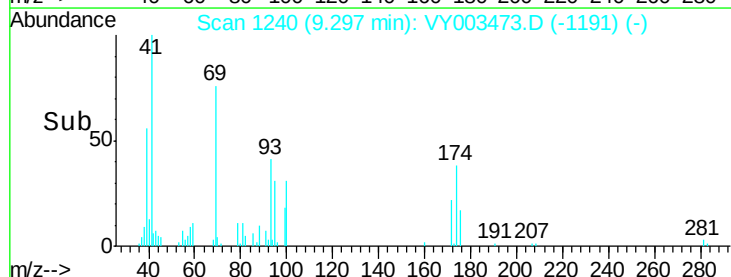
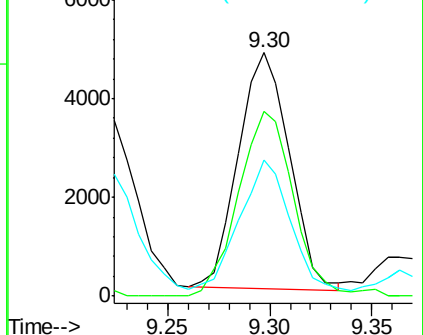
39 60.5 43.2 64.8

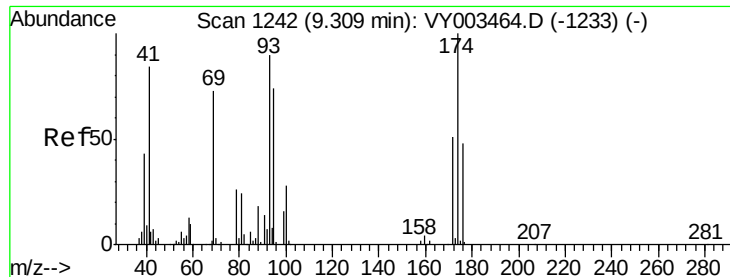


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 108.252 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

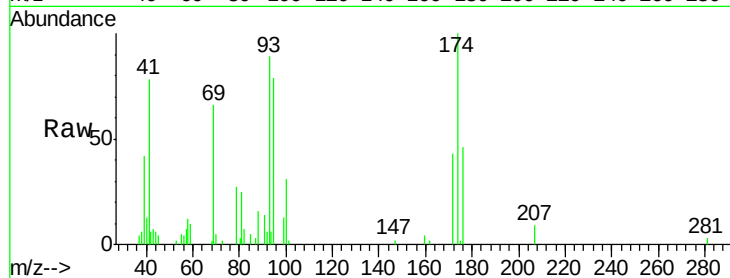
Tot Ion: 88 Resp: 1665

Ion Ratio Lower Upper

88 100

43 32.6 27.6 41.4

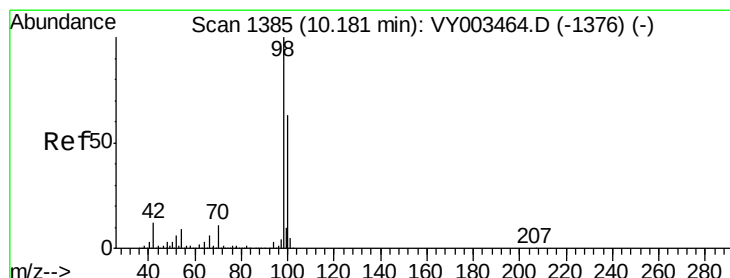
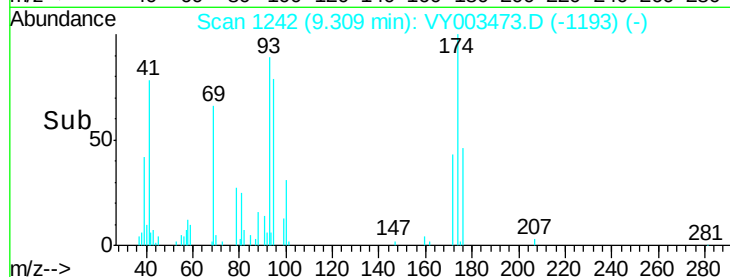
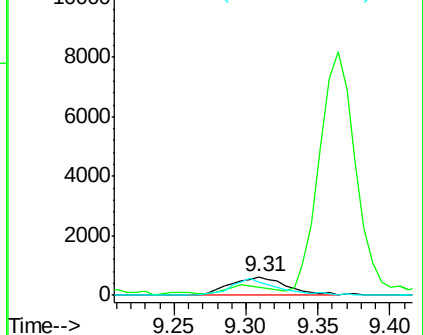
58 76.9 54.2 81.2



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: 50.764 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003473.D

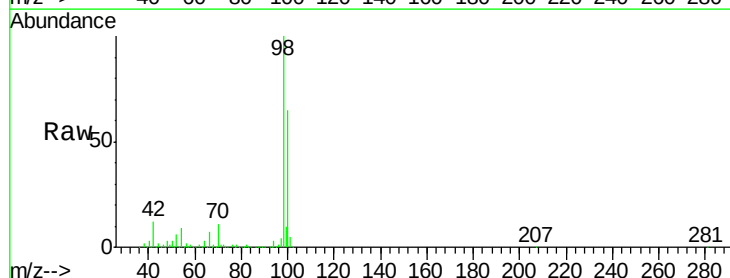
Acq: 02 Nov 2020 15:26

Tgt Ion: 98 Resp: 434544

Ion Ratio Lower Upper

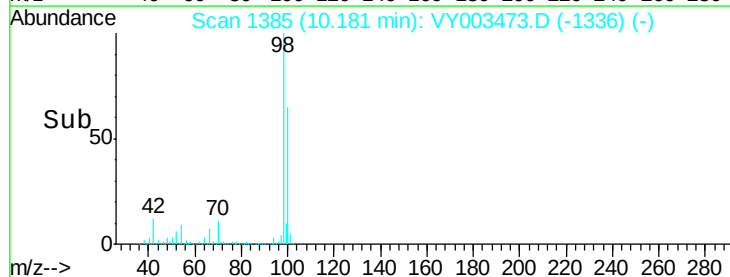
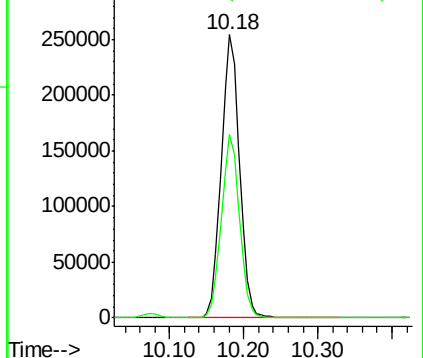
98 100

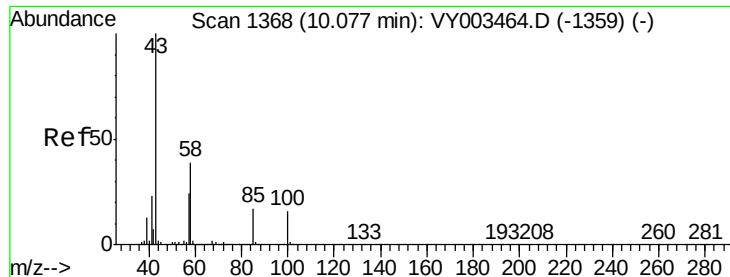
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

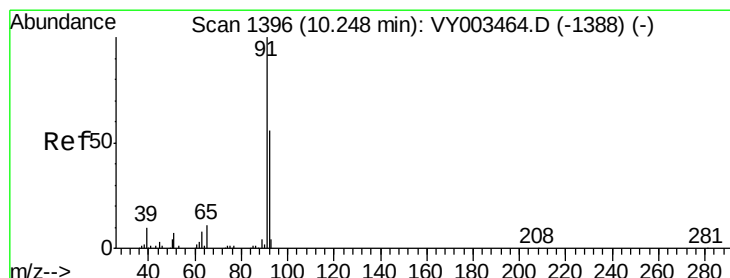
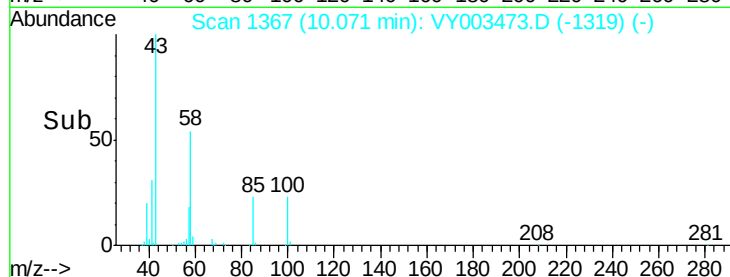
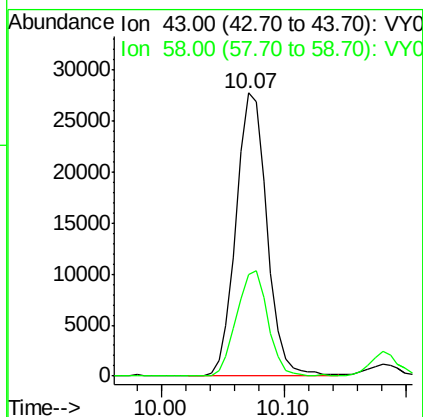
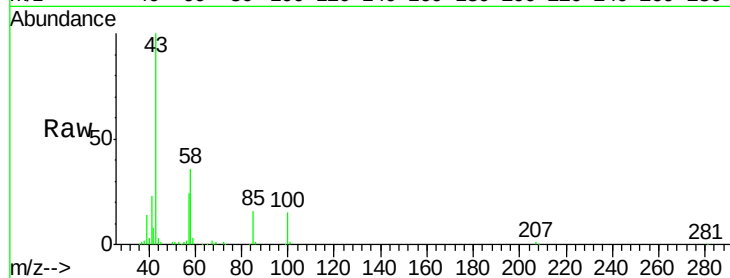




#51
4-Methyl-2-Pentanone
Concen: 25.700 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

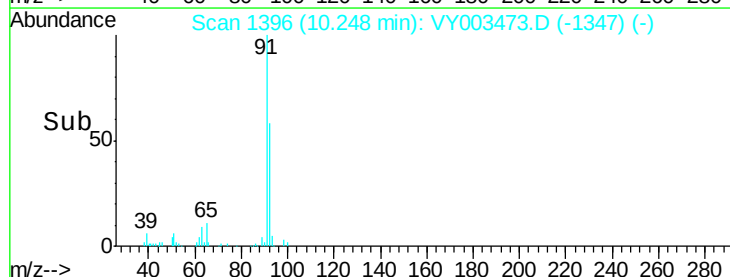
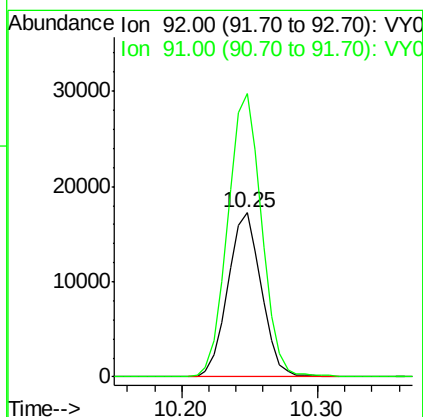
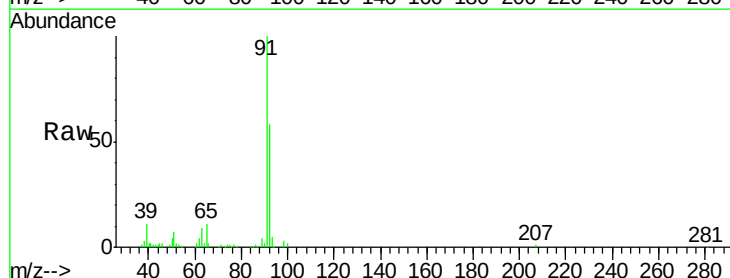
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

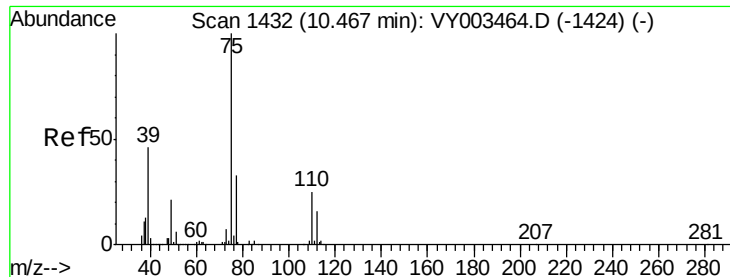
Tot Ion: 43 Resp: 48717
Ion Ratio Lower Upper
43 100
58 37.9 31.0 46.4



#52
Toluene
Concen: 5.329 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 92 Resp: 29570
Ion Ratio Lower Upper
92 100
91 173.9 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 5.196 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

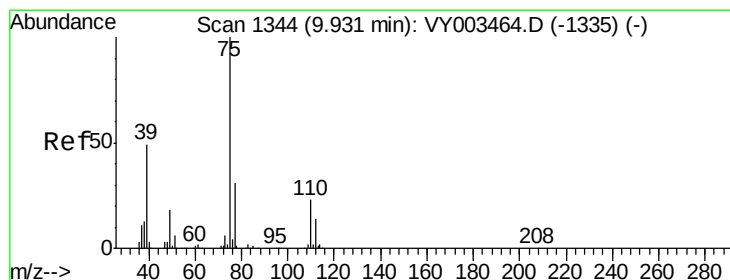
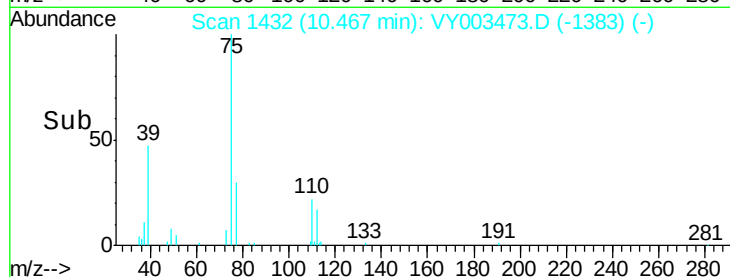
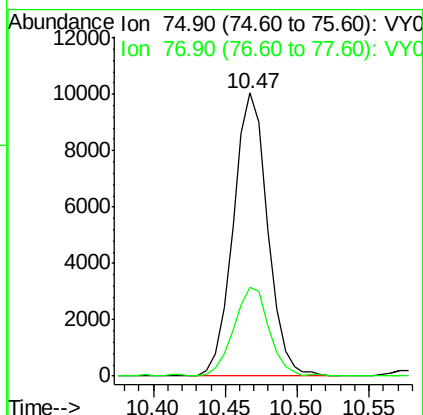
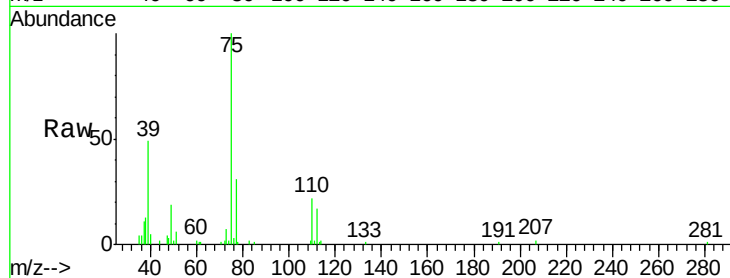
LOQ-SOIL-02-QT4-2020

Tot Ion: 75 Resp: 16682

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 5.162 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

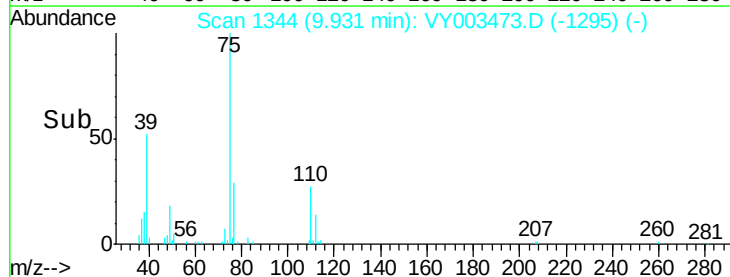
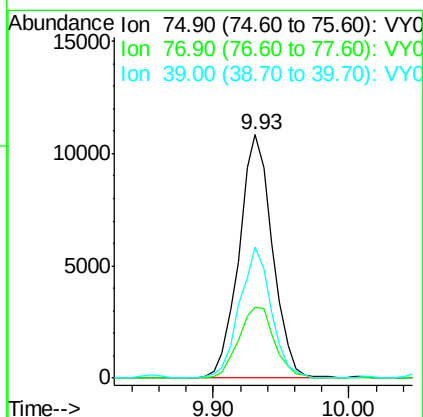
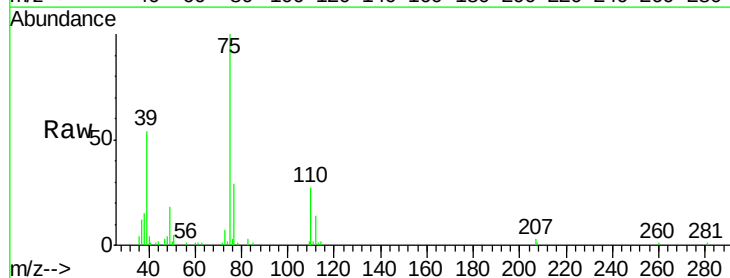
Tgt Ion: 75 Resp: 18649

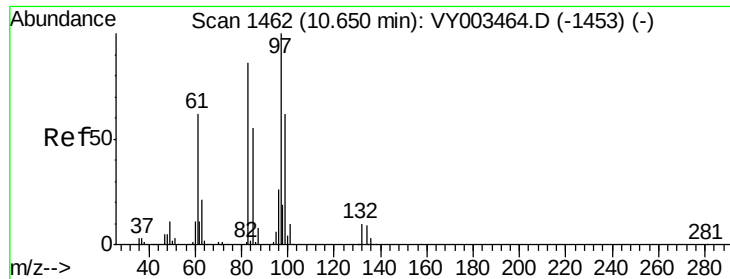
Ion Ratio Lower Upper

75 100

77 29.3 24.5 36.7

39 53.7 39.0 58.4

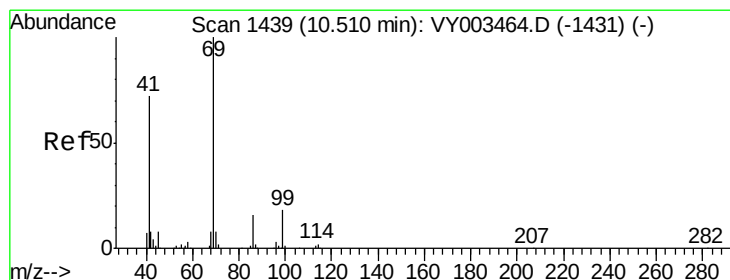
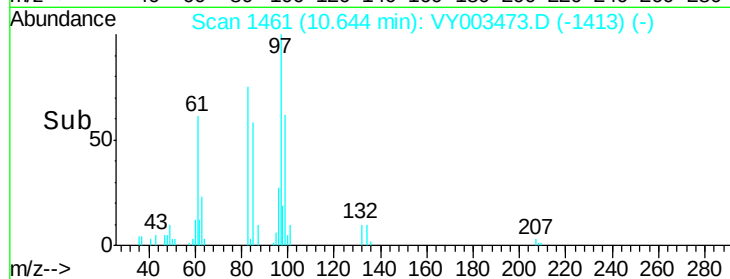
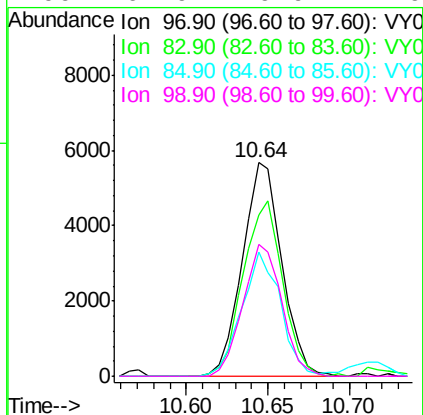
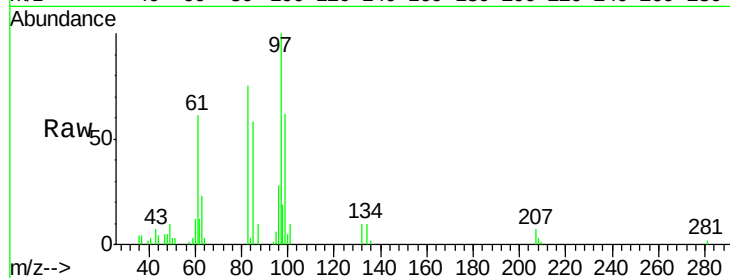




#55
 1,1,2-Trichloroethane
 Concen: 5.467 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

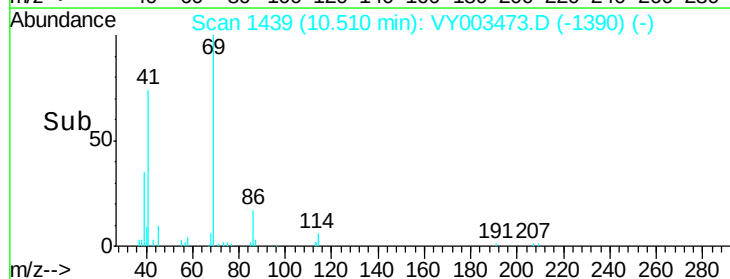
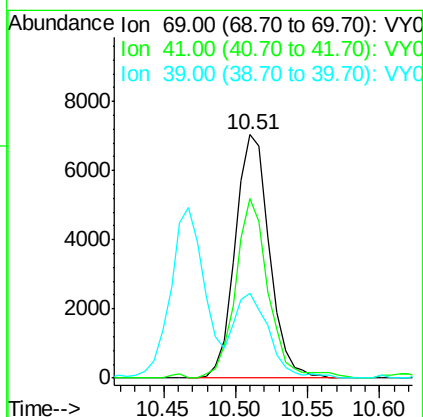
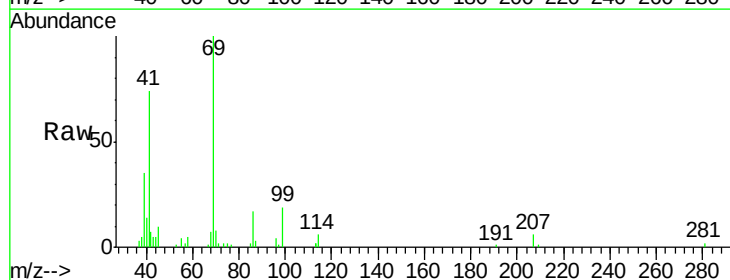
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

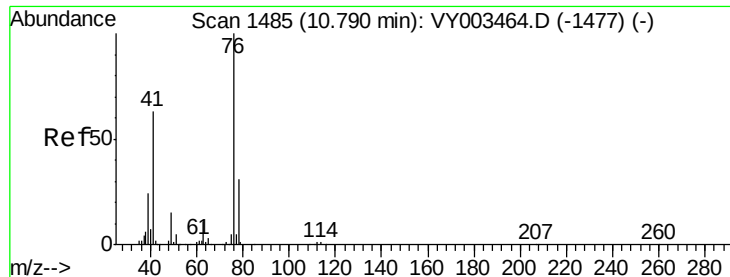
Tot Ion:	97	Resp:	9566
Ion	Ratio	Lower	Upper
97	100		
83	75.3	68.6	102.8
85	58.2	43.8	65.6
99	61.9	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 4.961 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion:	69	Resp:	11627
Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.4	83.2
39	35.7	28.7	43.1





#57

1,3-Dichloropropane

Concen: 5.203 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

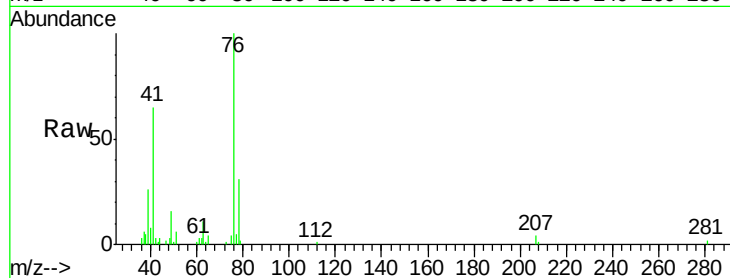
LOQ-SOIL-02-QT4-2020

Tot Ion: 76 Resp: 15831

Ion Ratio Lower Upper

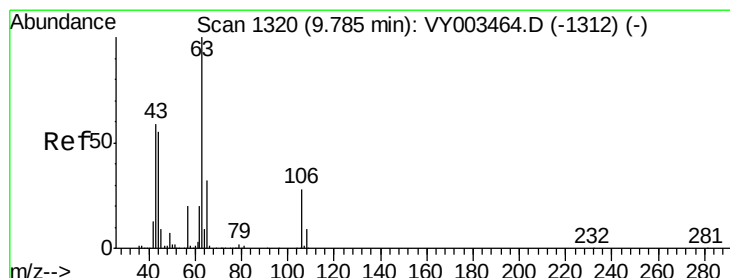
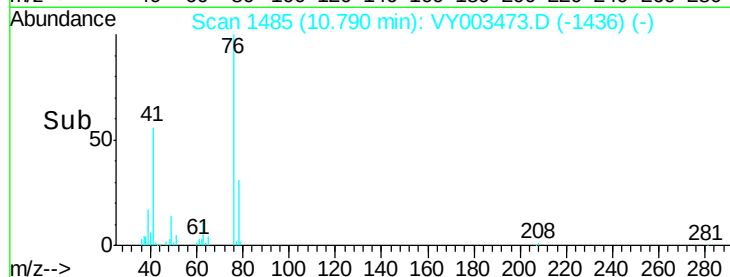
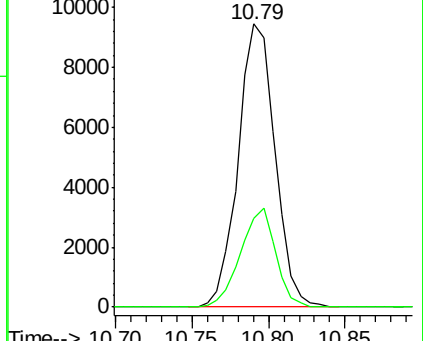
76 100

78 33.2 25.8 38.8



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: 24.998 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003473.D

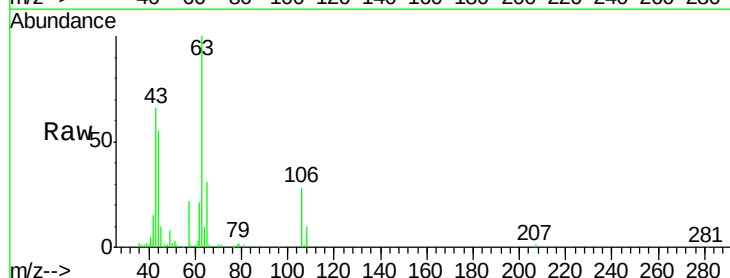
Acq: 02 Nov 2020 15:26

Tgt Ion: 63 Resp: 29702

Ion Ratio Lower Upper

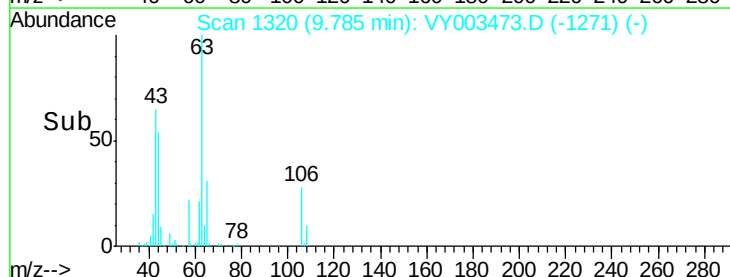
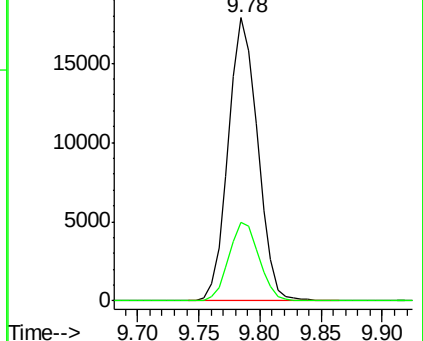
63 100

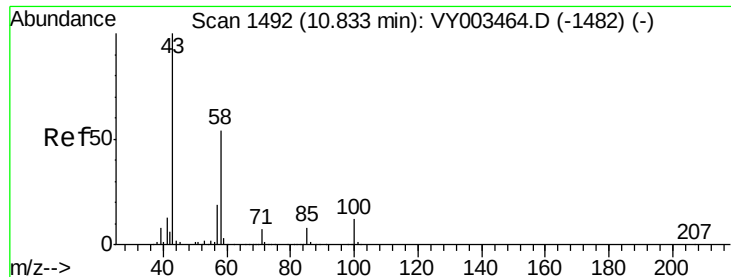
106 28.4 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

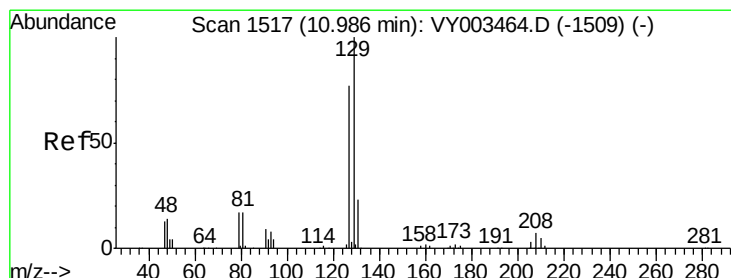
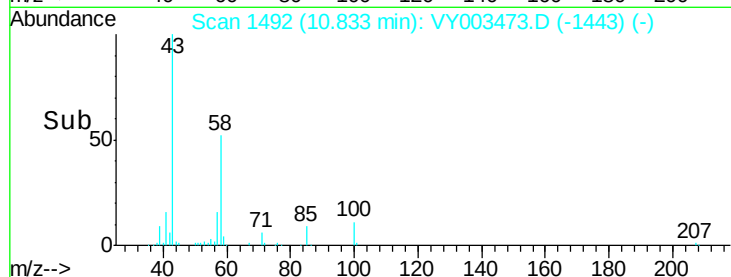
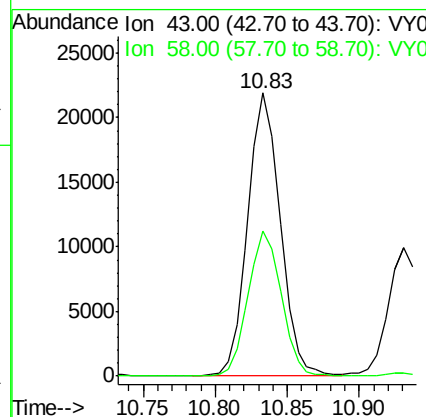
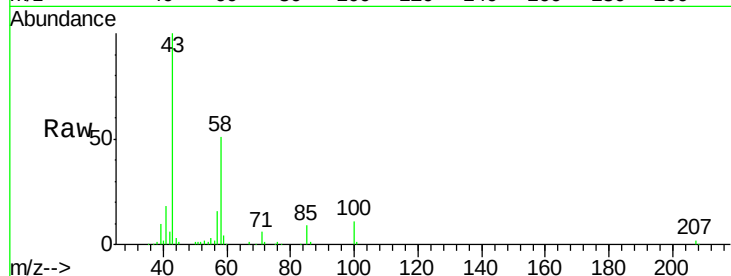




#59
2-Hexanone
Concen: 24.476 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

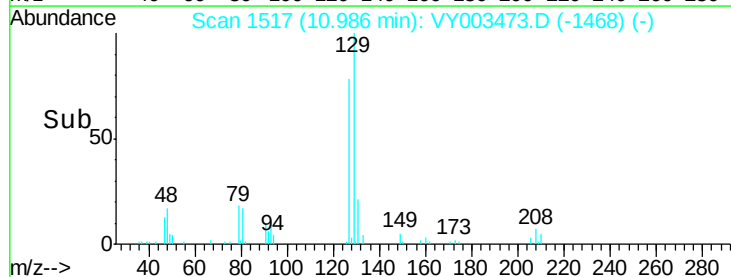
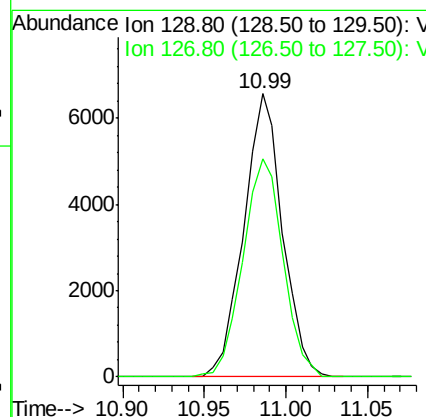
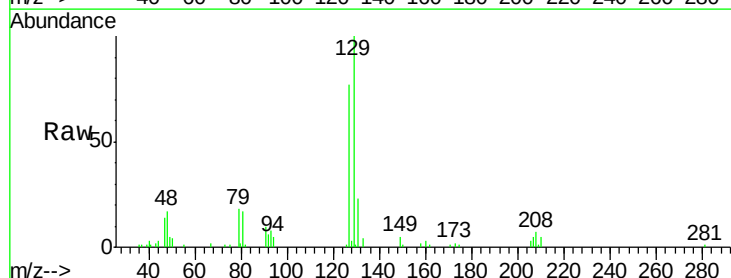
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

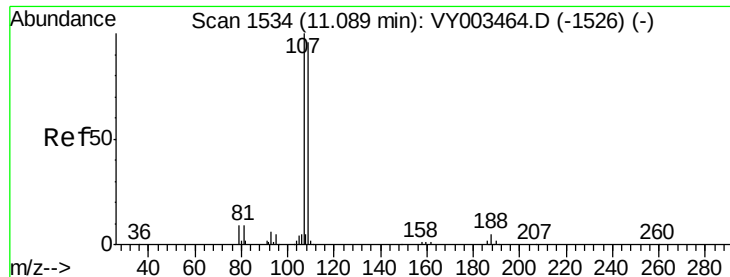
Tot Ion: 43 Resp: 34353
Ion Ratio Lower Upper
43 100
58 52.2 26.8 80.3



#60
Dibromochloromethane
Concen: 5.046 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 129 Resp: 10852
Ion Ratio Lower Upper
129 100
127 80.1 38.8 116.3

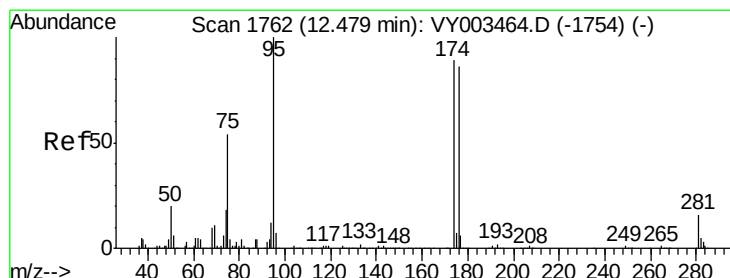
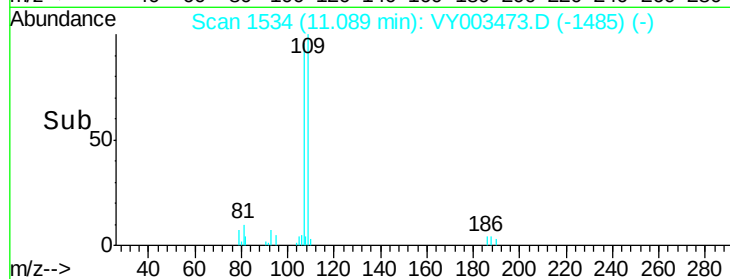
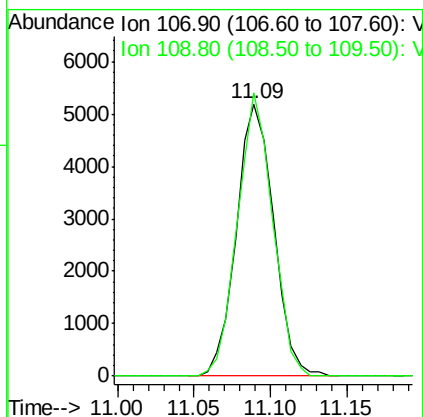
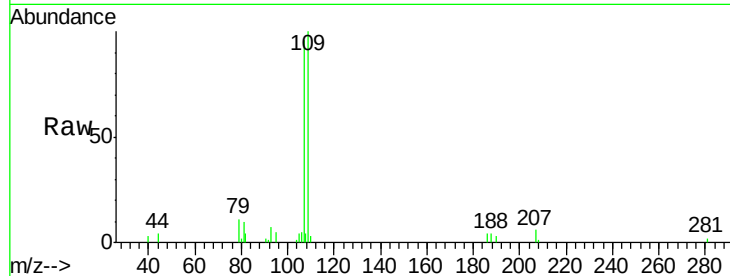




#61
 1,2-Dibromoethane
 Concen: 5.203 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

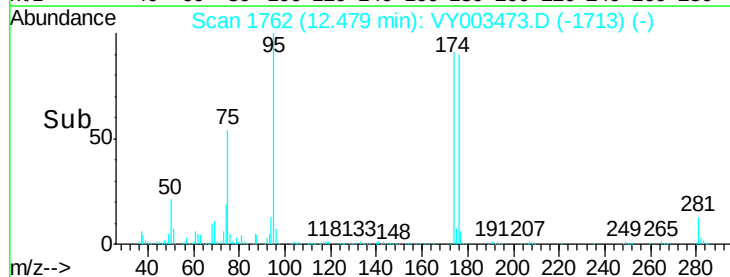
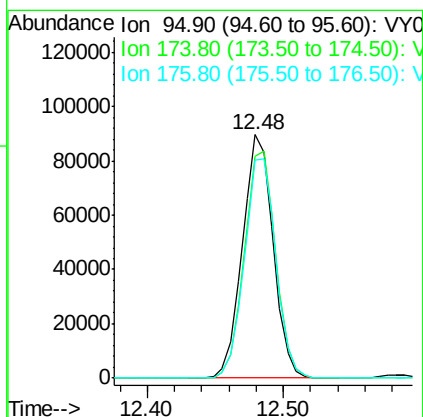
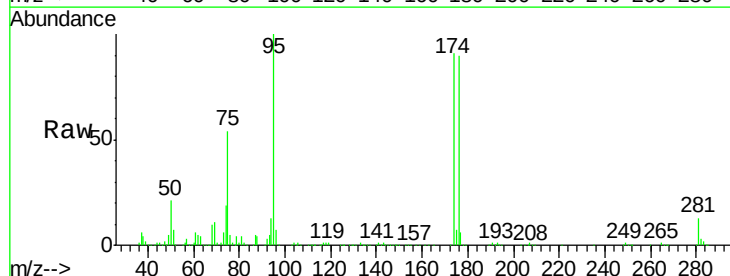
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

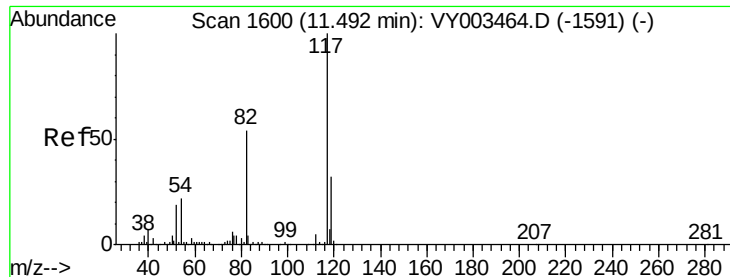
Tot Ion: 107 Resp: 8790
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 49.747 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion: 95 Resp: 141094
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 193.0
 176 92.8 0.0 187.4

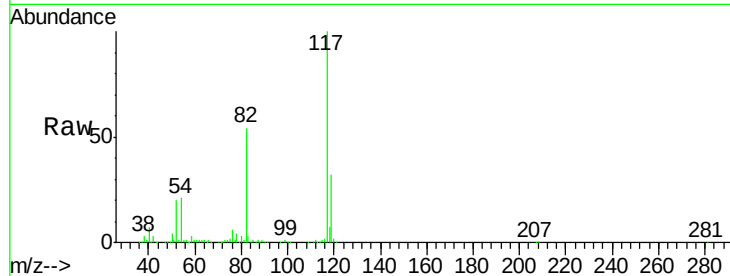




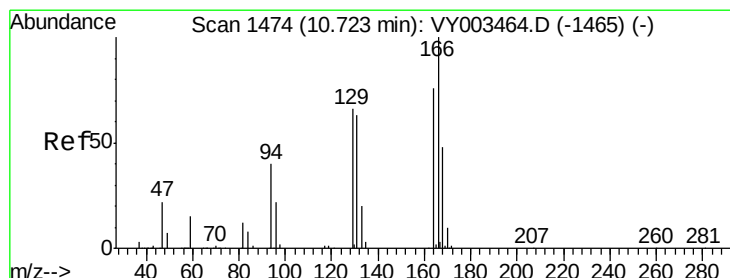
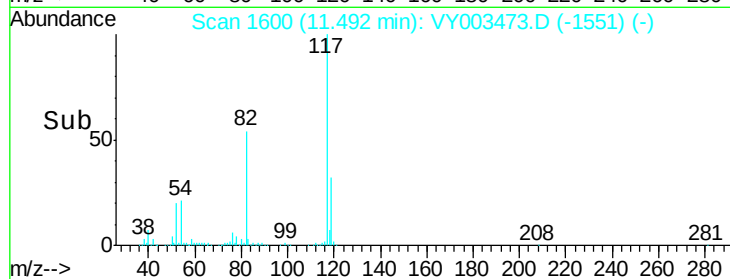
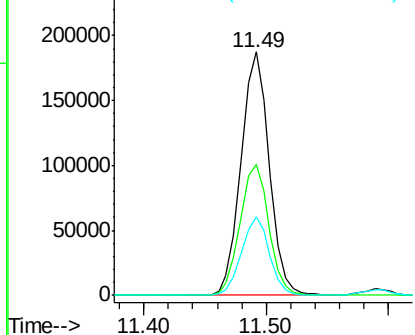
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion:117 Resp: 300054
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.2
119 32.0 25.8 38.6

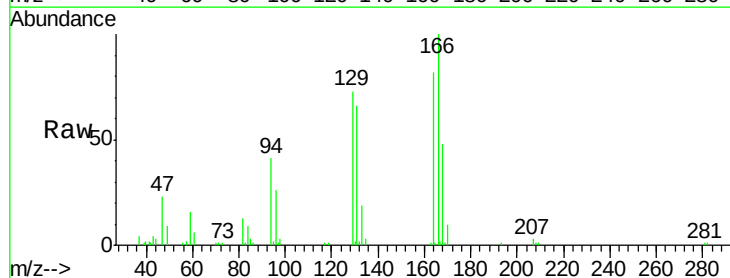


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

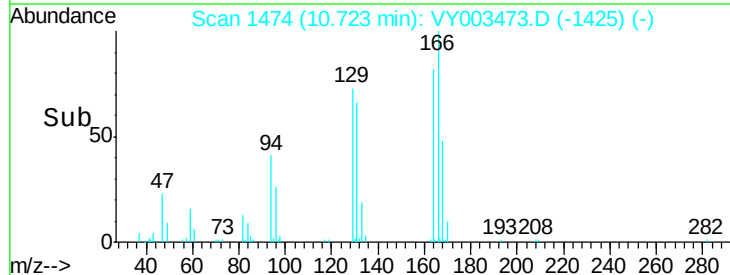
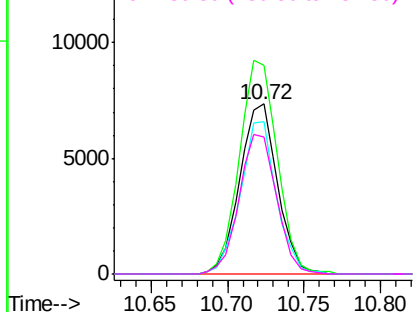


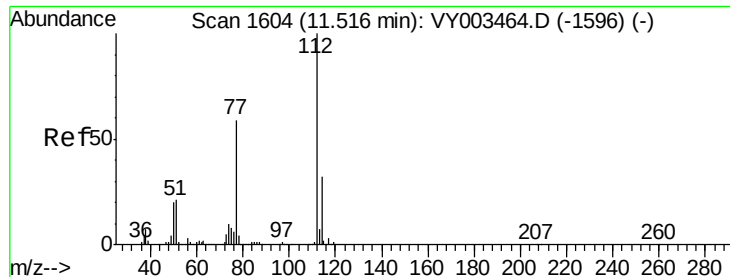
#64
Tetrachloroethene
Concen: 5.616 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion:164 Resp: 12584
Ion Ratio Lower Upper
164 100
166 122.5 104.9 157.3
129 89.3 68.9 103.3
131 81.0 66.2 99.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

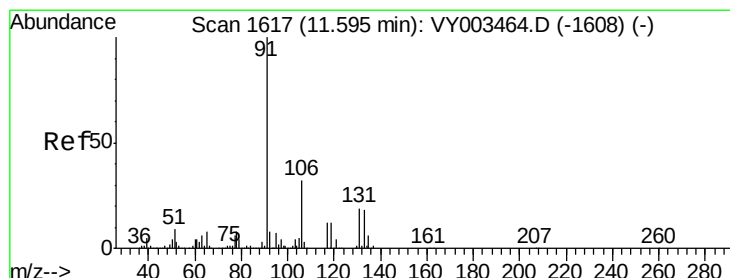
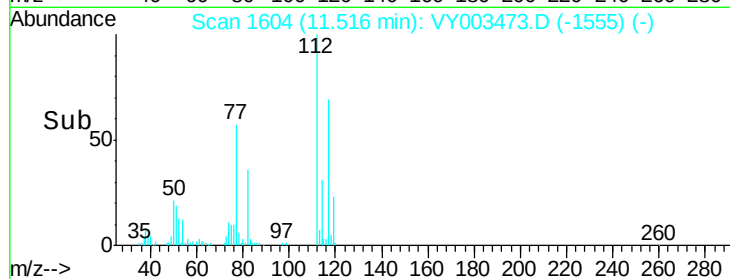
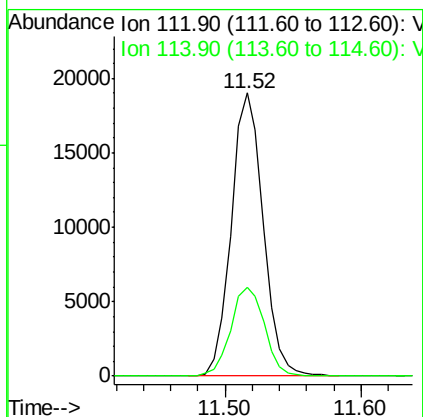
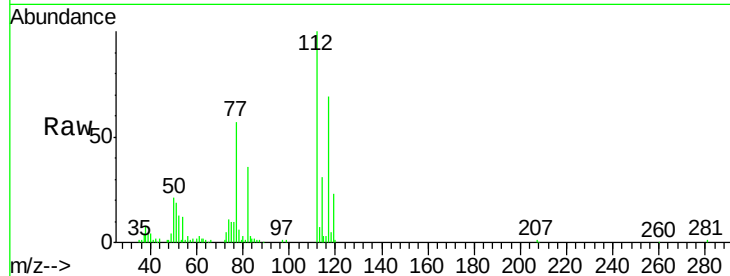




#65
Chlorobenzene
Concen: 5.328 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

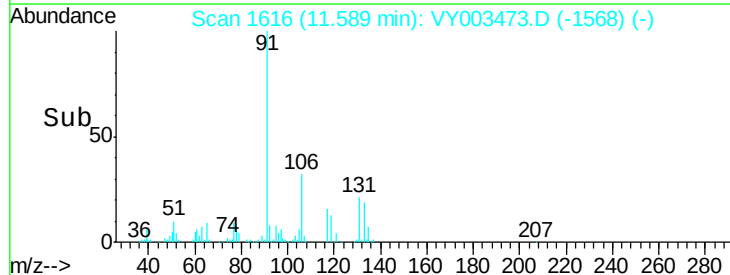
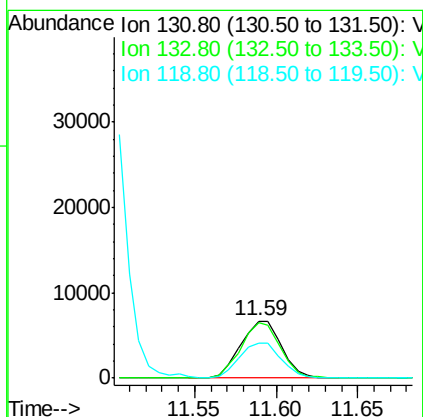
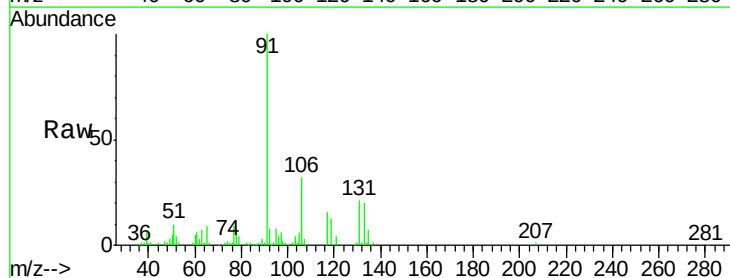
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

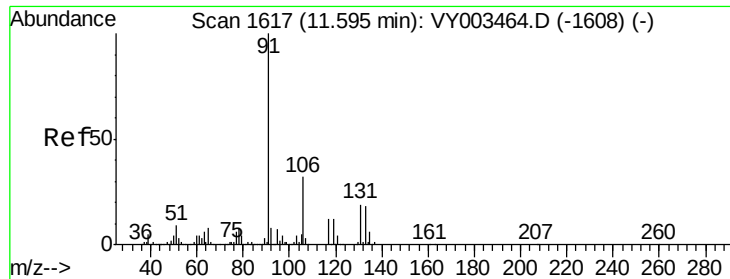
Tot Ion:112 Resp: 31057
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.334 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion:131 Resp: 11726
Ion Ratio Lower Upper
131 100
133 93.9 47.4 142.2
119 62.5 31.6 95.0

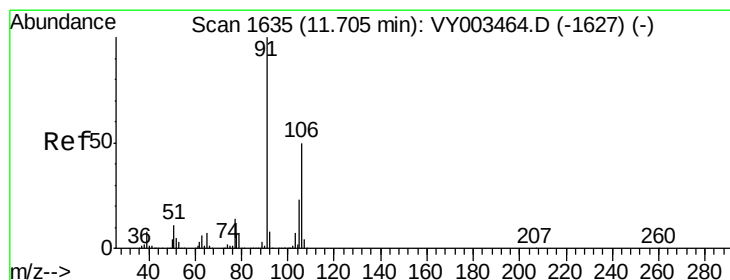
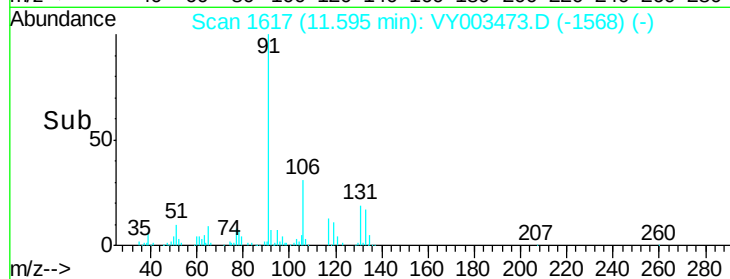
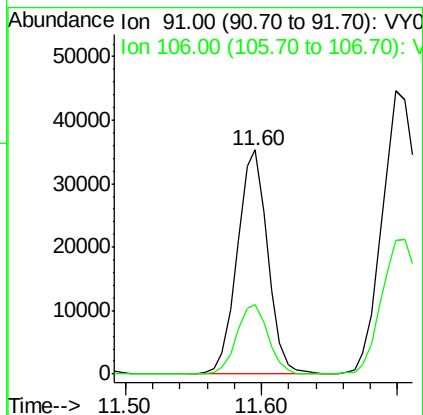
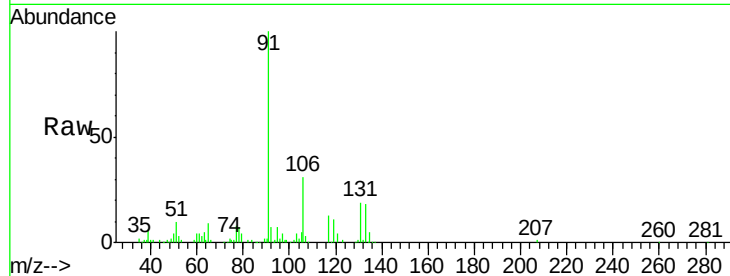




#67
Ethyl Benzene
Concen: 5.213 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

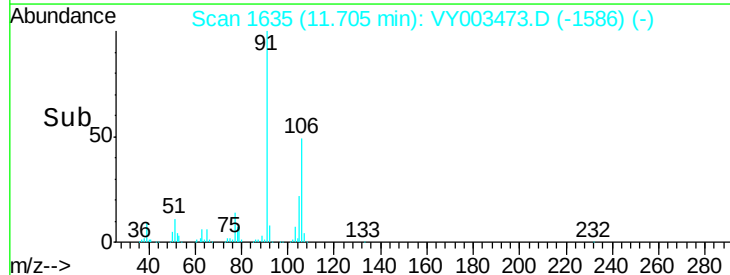
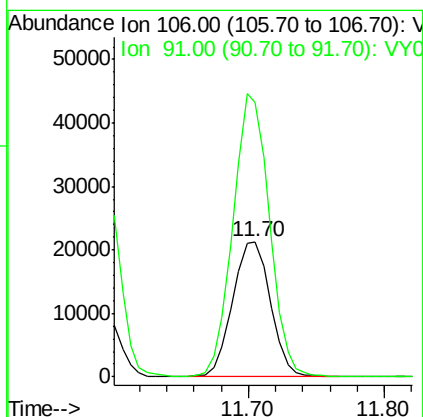
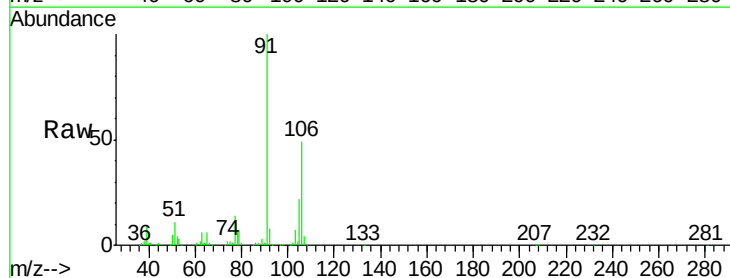
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

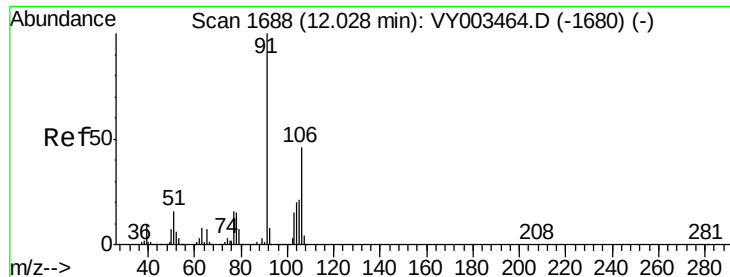
Tot Ion: 91 Resp: 55099
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0



#68
m/p-Xylenes
Concen: 10.311 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion: 106 Resp: 41300
Ion Ratio Lower Upper
106 100
91 202.2 161.0 241.6

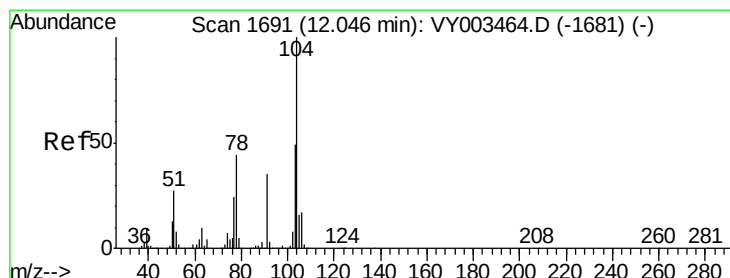
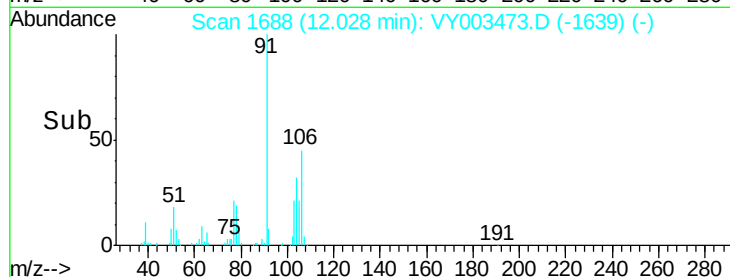
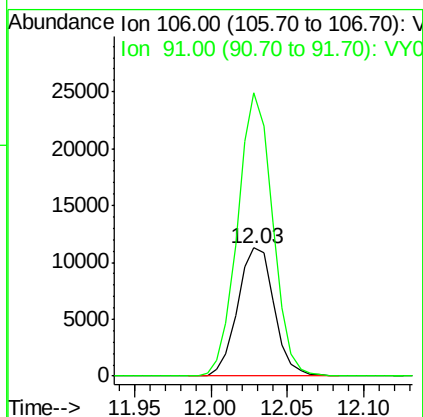
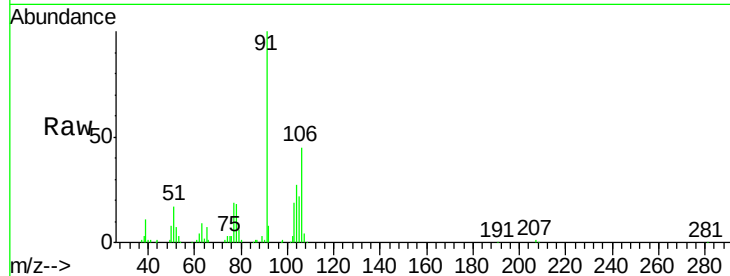




#69
o-Xylene
Concen: 5.050 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

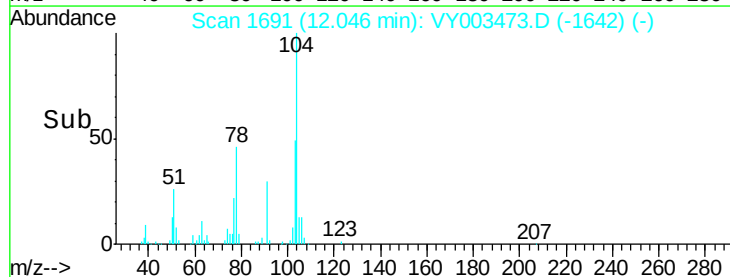
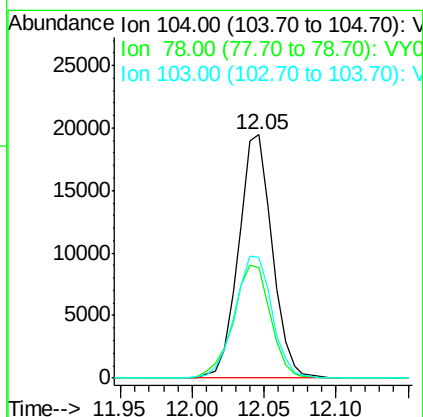
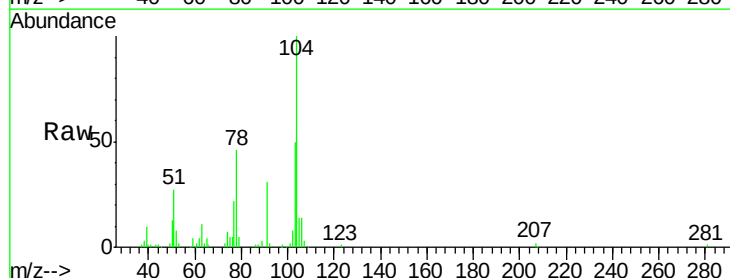
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

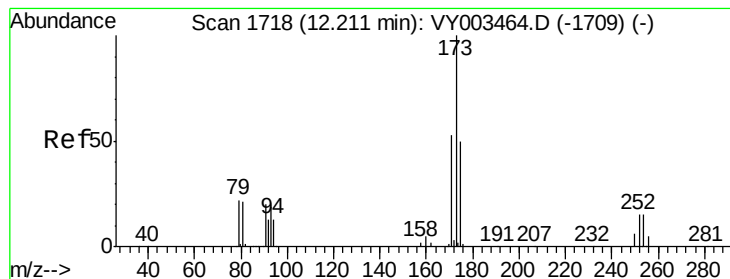
Tot Ion:106 Resp: 18606
Ion Ratio Lower Upper
106 100
91 212.3 105.5 316.5



#70
Styrene
Concen: 5.020 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion:104 Resp: 31406
Ion Ratio Lower Upper
104 100
78 51.6 39.5 59.3
103 56.0 44.2 66.2





#71

Bromoform

Concen: 5.090 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

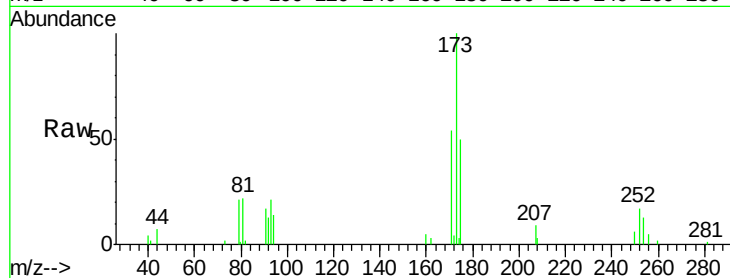
Tot Ion:173 Resp: 7459

Ion Ratio Lower Upper

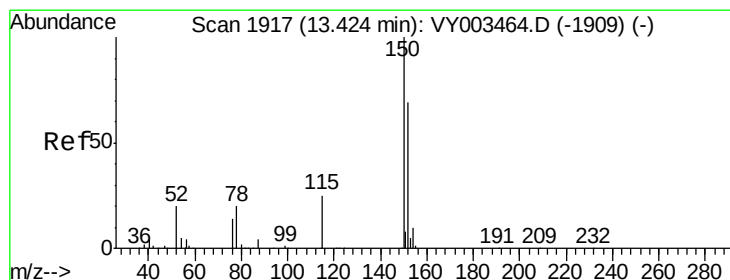
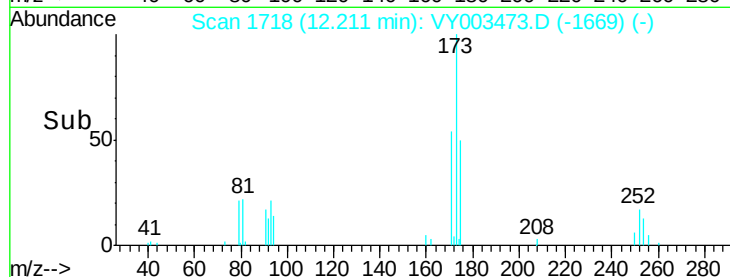
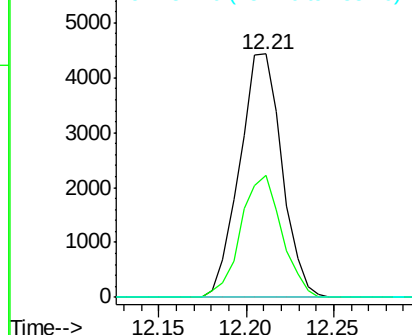
173 100

175 48.7 24.7 74.1

254 0.0 0.2 0.2#



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: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

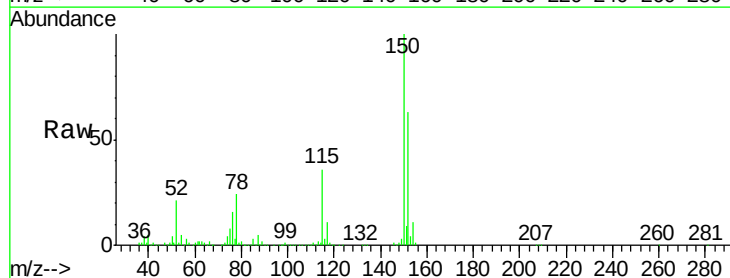
Tgt Ion:152 Resp: 150698

Ion Ratio Lower Upper

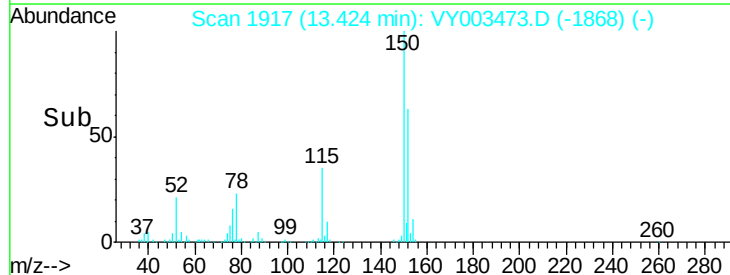
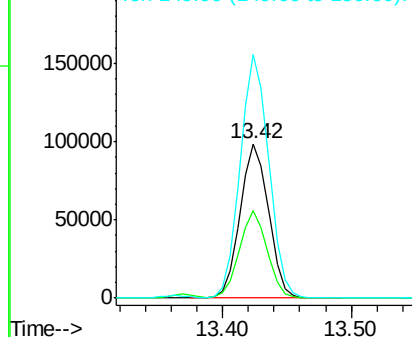
152 100

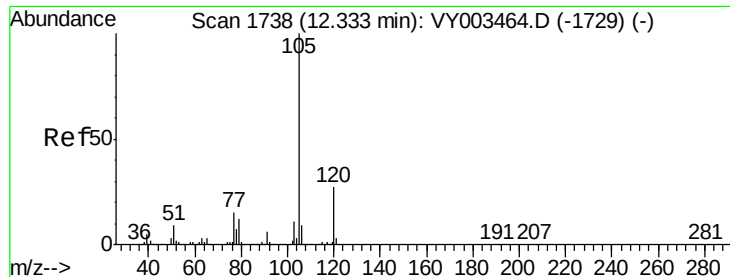
115 55.2 27.5 82.4

150 158.6 0.0 345.8



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: 5.350 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

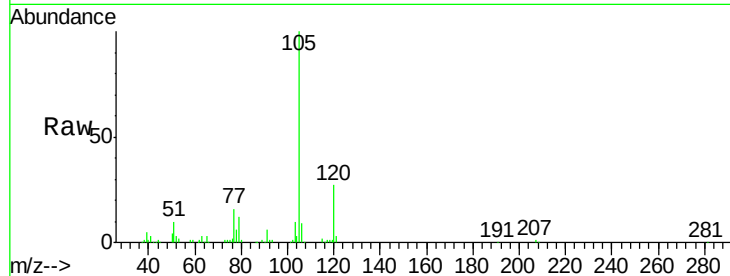
LOQ-SOIL-02-QT4-2020

Tot Ion:105 Resp: 52662

Ion Ratio Lower Upper

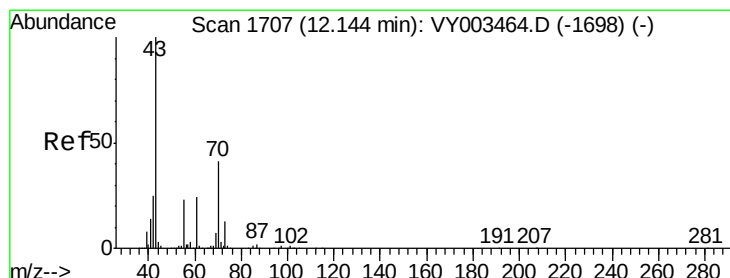
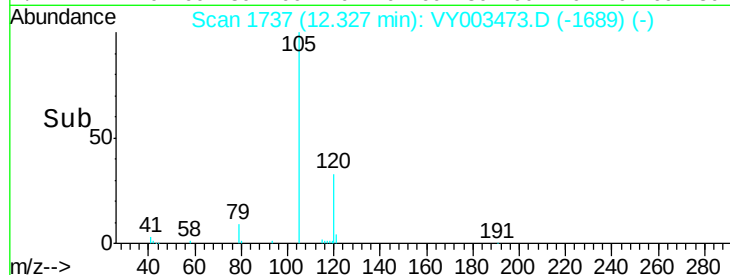
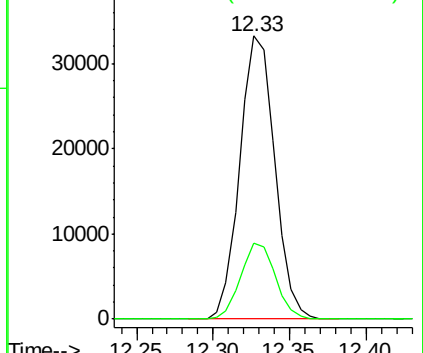
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.174 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion: 43 Resp: 14426

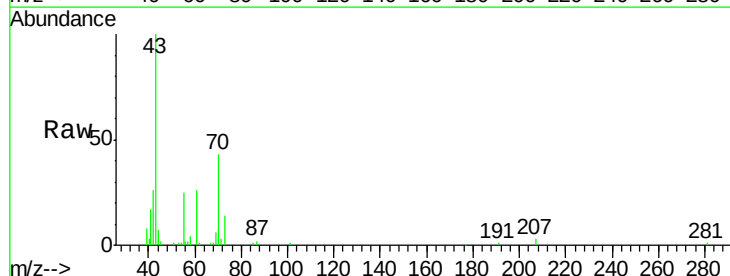
Ion Ratio Lower Upper

43 100

70 43.5 33.1 49.7

55 24.6 19.2 28.8

61 25.0 19.0 28.6

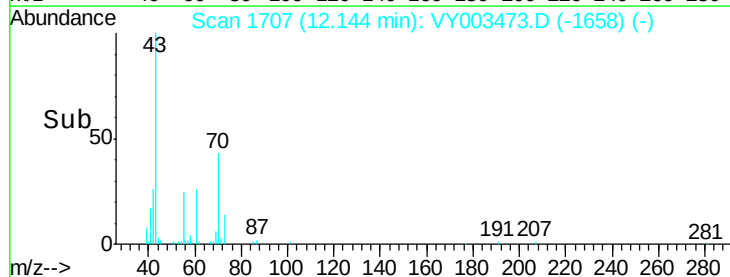
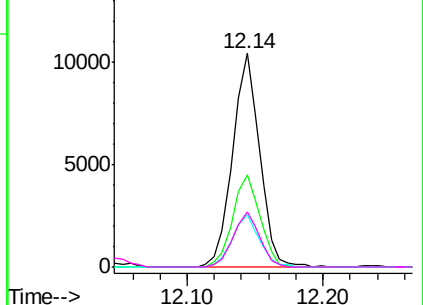


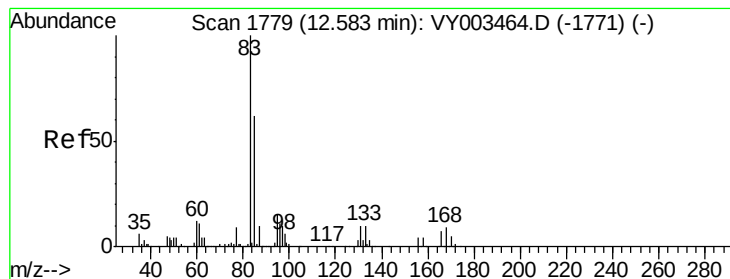
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 5.548 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

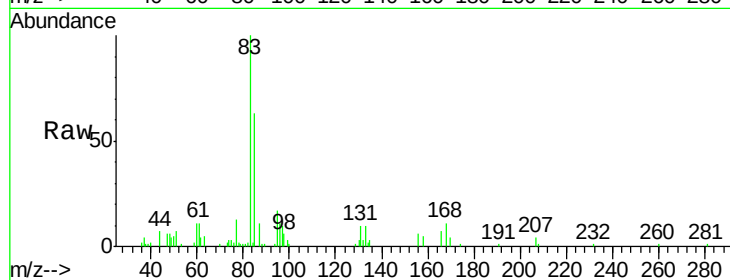
Tot Ion: 83 Resp: 11665

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

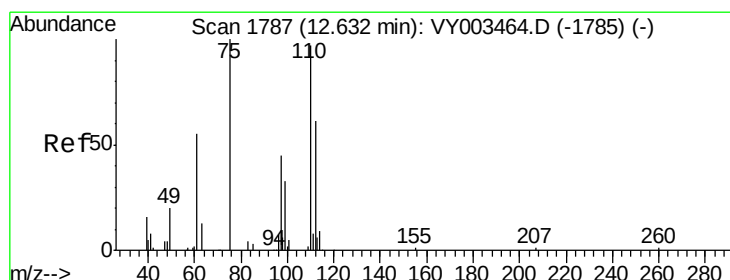
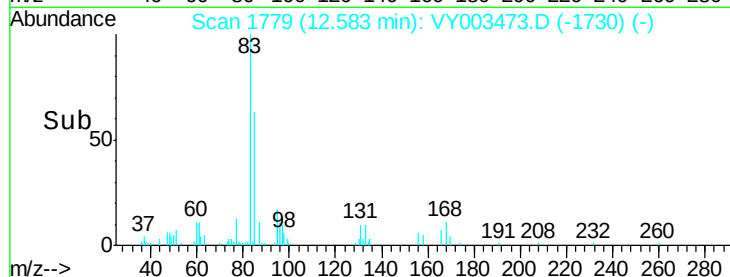
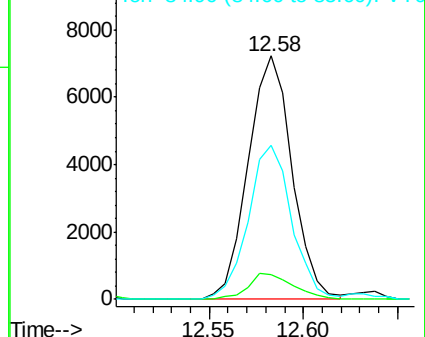
85 62.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 5.405 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003473.D

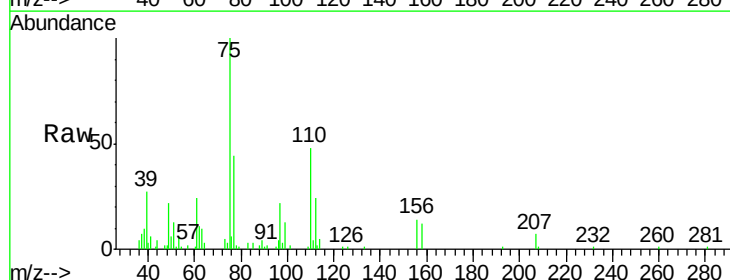
Acq: 02 Nov 2020 15:26

Tgt Ion: 75 Resp: 8619

Ion Ratio Lower Upper

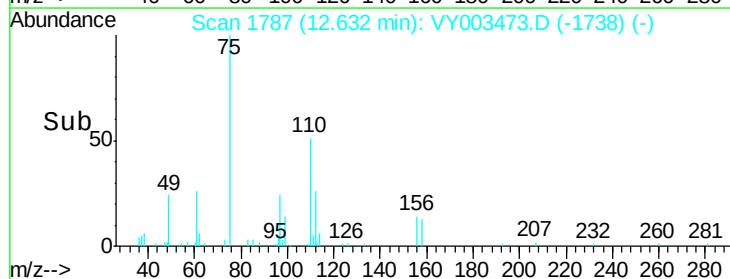
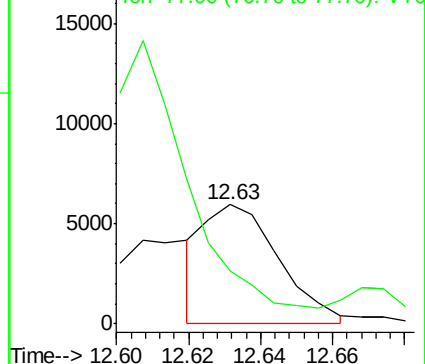
75 100

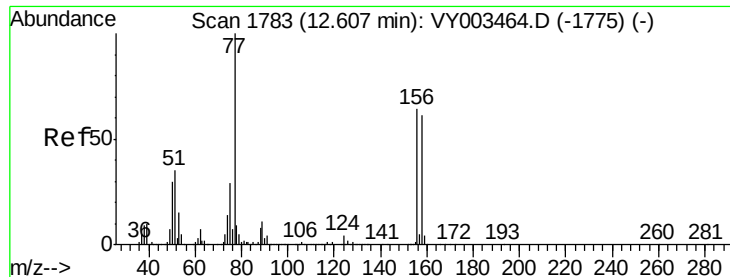
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 5.249 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

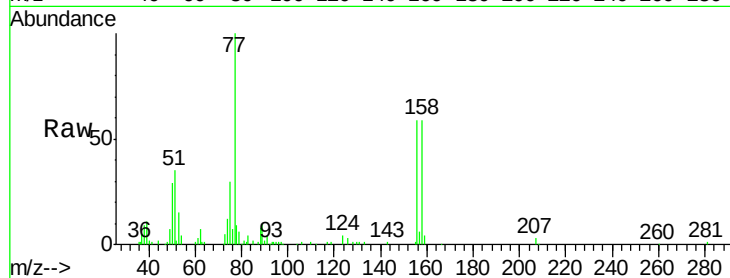
Tot Ion:156 Resp: 13129

Ion Ratio Lower Upper

156 100

77 184.7 87.0 260.9

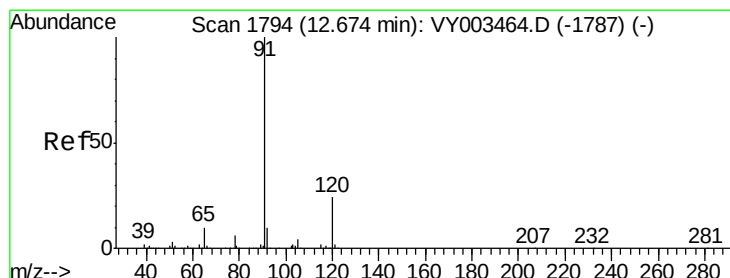
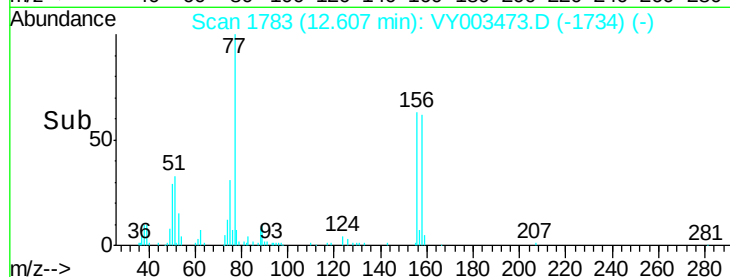
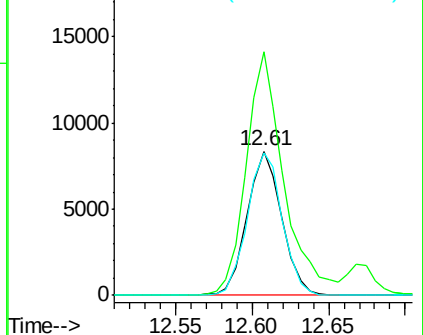
158 100.2 48.7 146.1



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: 5.298 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003473.D

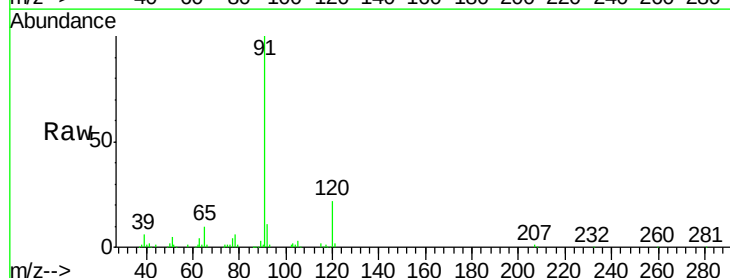
Acq: 02 Nov 2020 15:26

Tgt Ion: 91 Resp: 61436

Ion Ratio Lower Upper

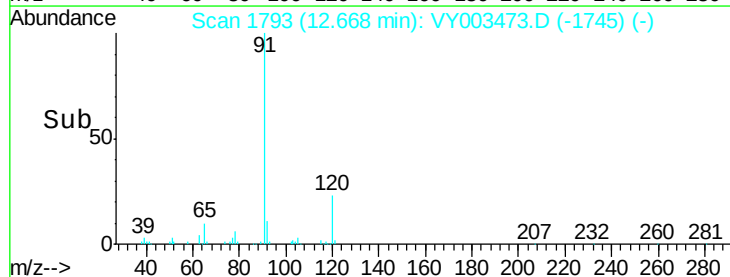
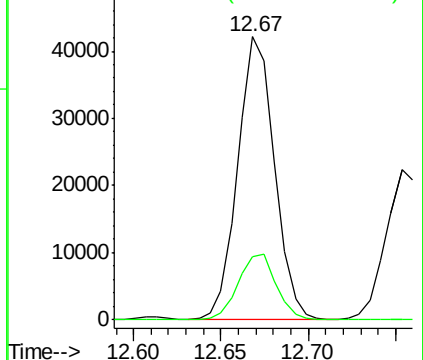
91 100

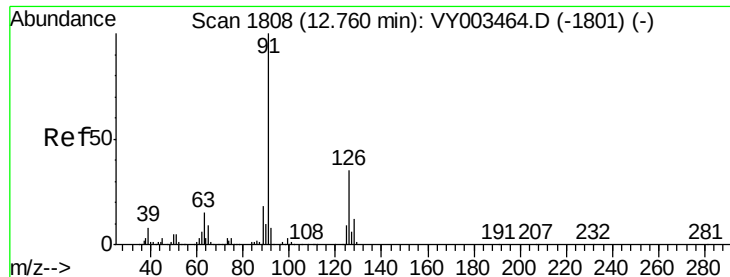
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.431 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

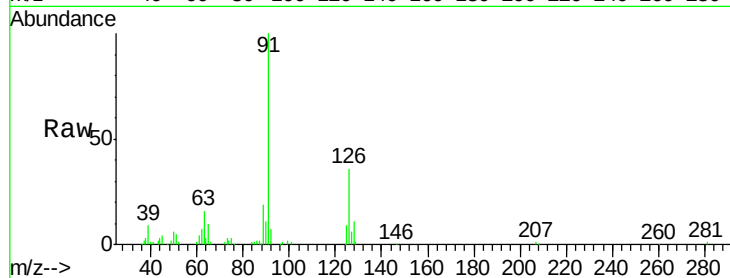
LOQ-SOIL-02-QT4-2020

Tot Ion: 91 Resp: 35182

Ion Ratio Lower Upper

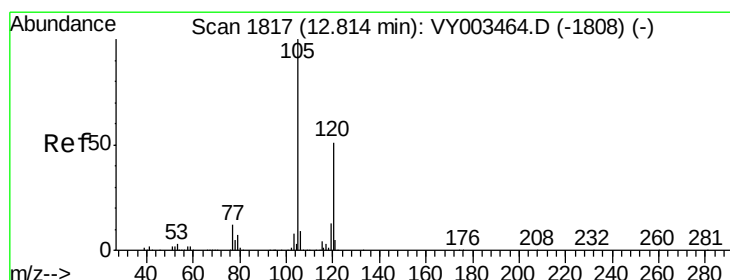
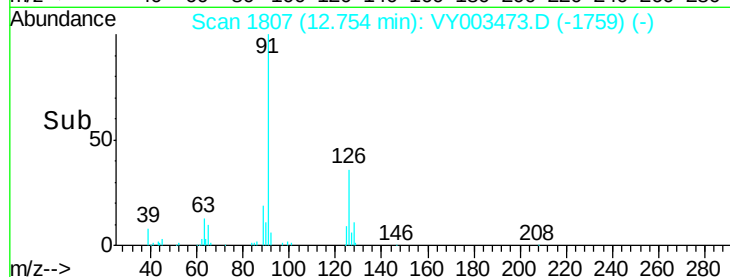
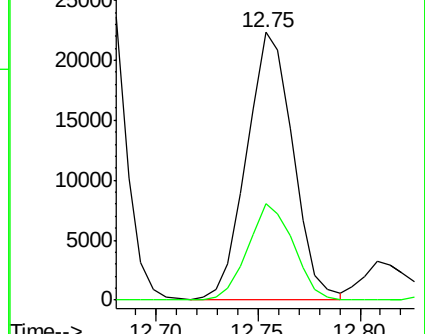
91 100

126 35.3 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.364 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY003473.D

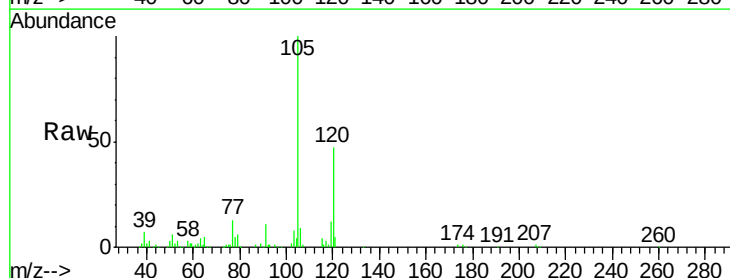
Acq: 02 Nov 2020 15:26

Tgt Ion: 105 Resp: 43750

Ion Ratio Lower Upper

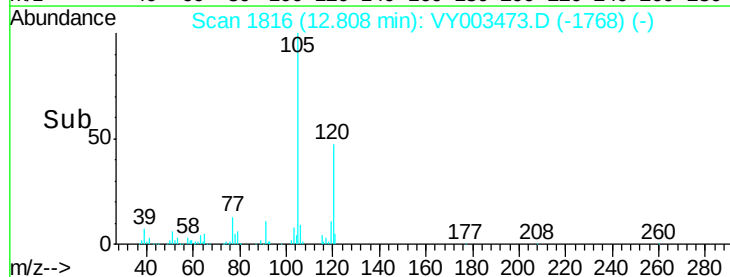
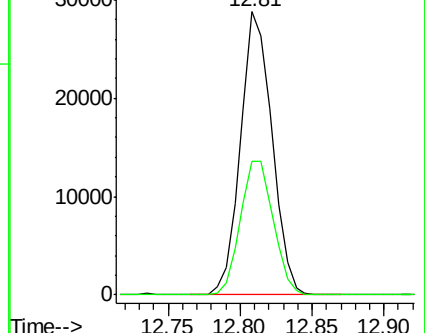
105 100

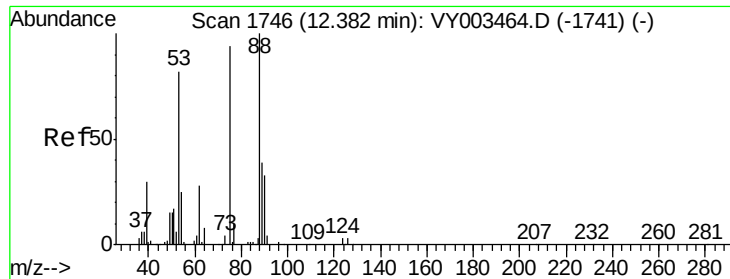
120 49.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 5.279 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

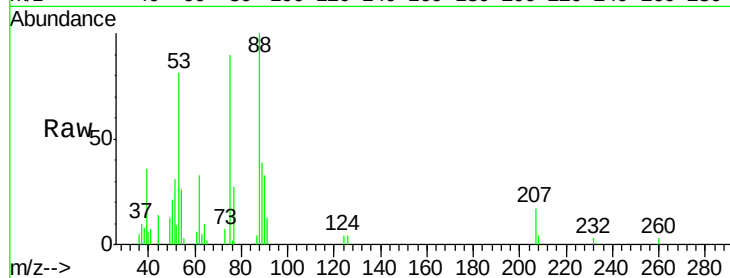
Tot Ion: 75 Resp: 4033

Ion Ratio Lower Upper

75 100

53 94.9 74.7 112.1

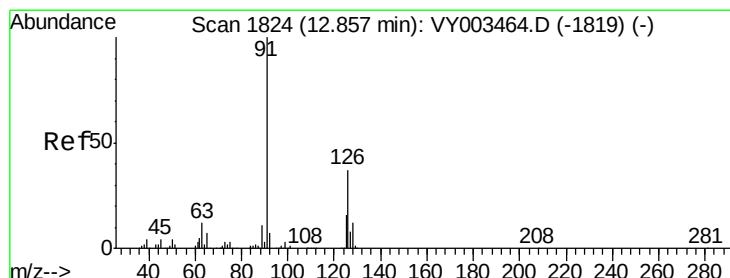
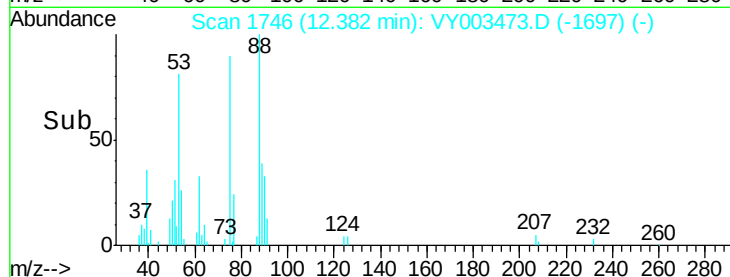
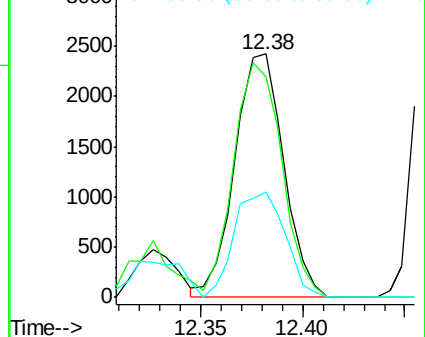
89 45.0 35.8 53.8



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: 5.568 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY003473.D

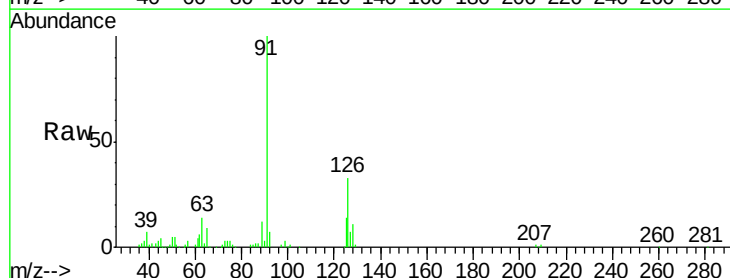
Acq: 02 Nov 2020 15:26

Tgt Ion: 91 Resp: 37694

Ion Ratio Lower Upper

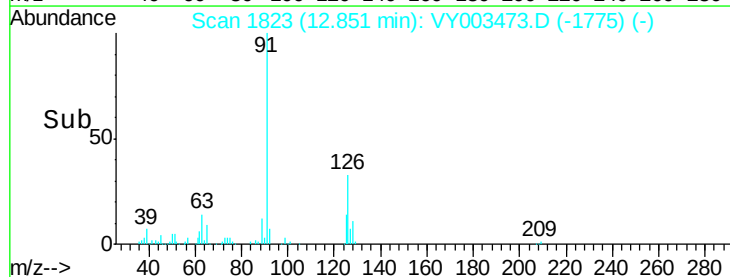
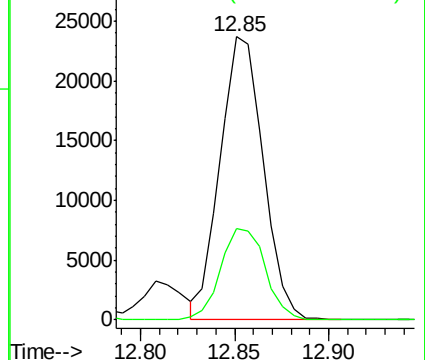
91 100

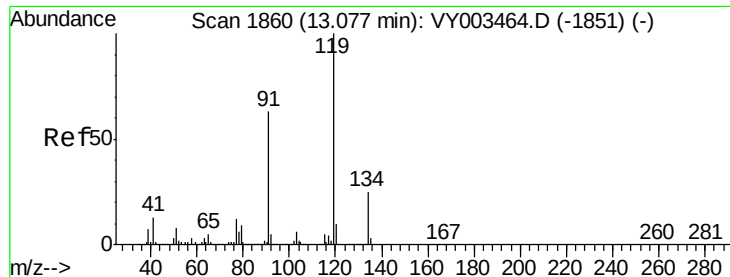
126 33.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

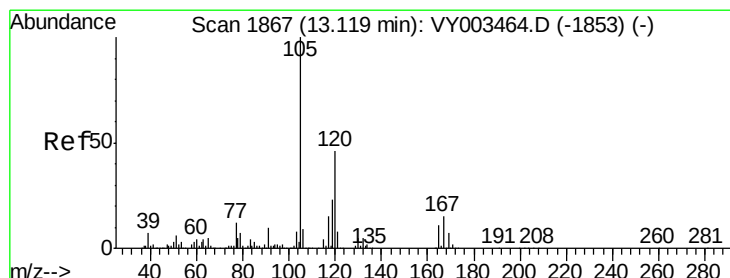
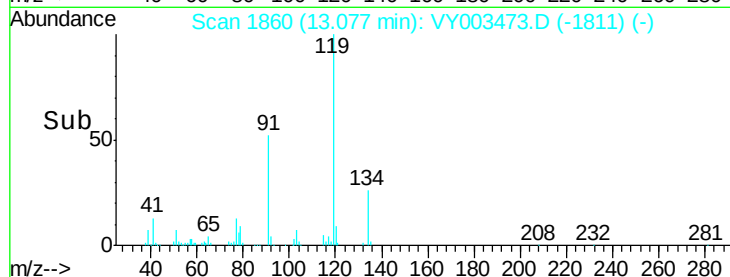
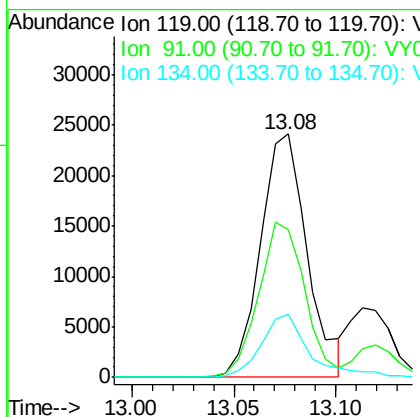
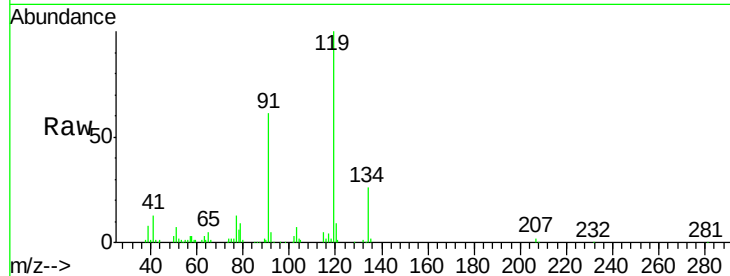




#83
 tert-Butylbenzene
 Concen: 5.337 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

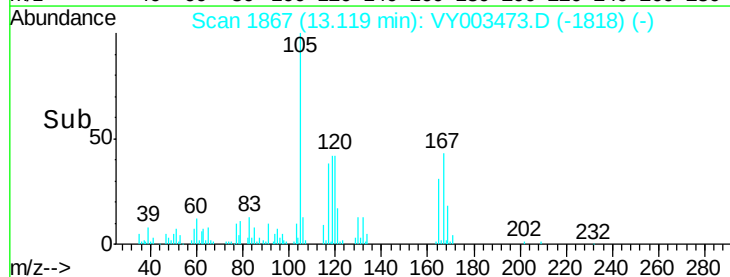
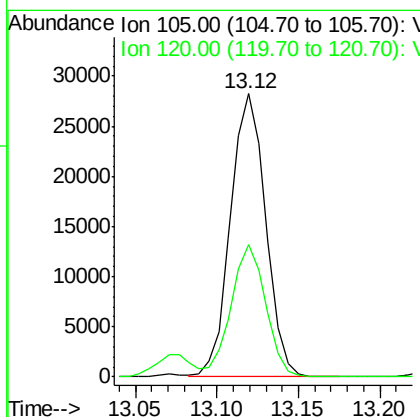
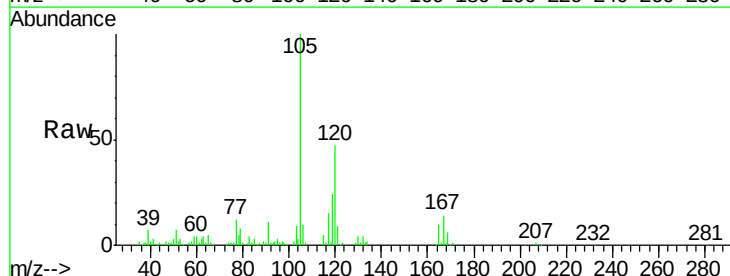
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

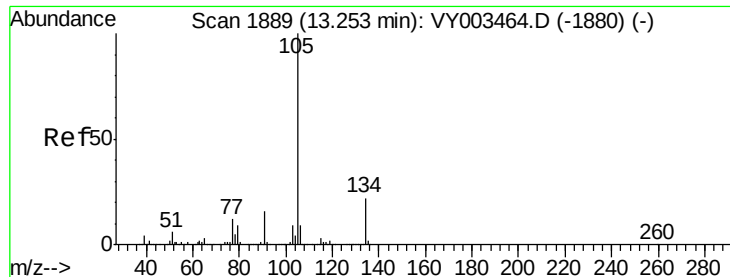
Tot Ion:119 Resp: 38603
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.1 93.2
 134 26.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 5.214 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion:105 Resp: 42506
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 5.340 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

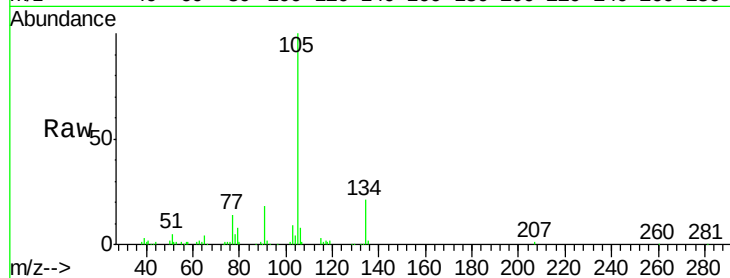
LOQ-SOIL-02-QT4-2020

Tot Ion:105 Resp: 52306

Ion Ratio Lower Upper

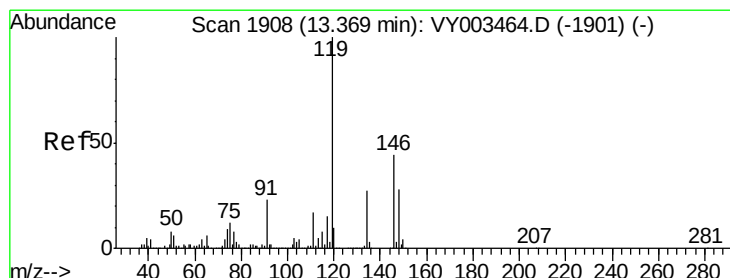
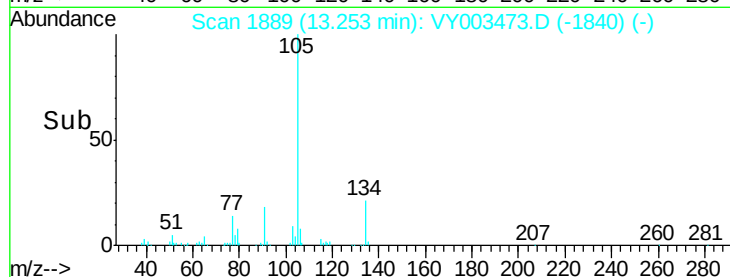
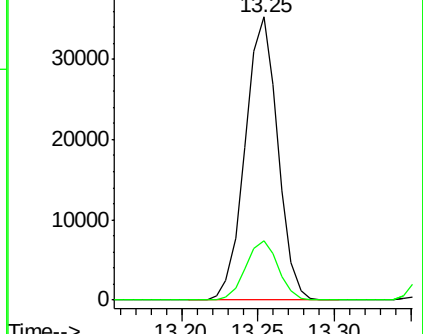
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.204 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

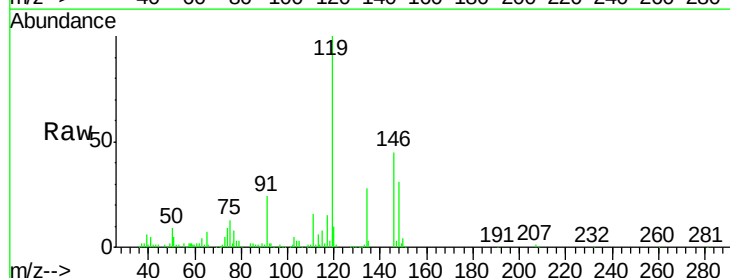
Tgt Ion:119 Resp: 47268

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

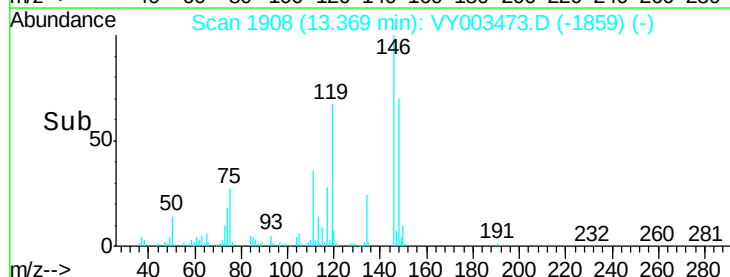
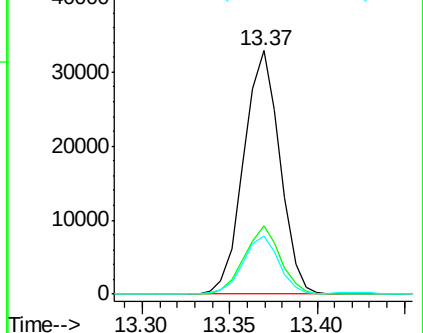
91 23.7 11.4 34.2

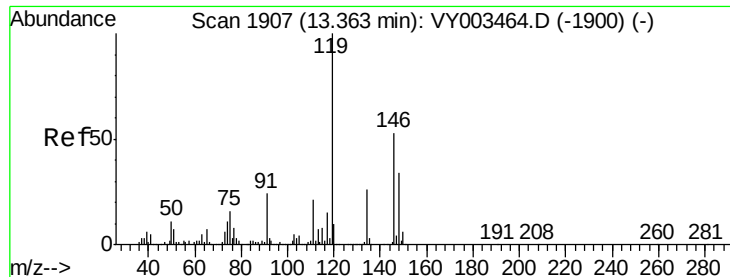


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

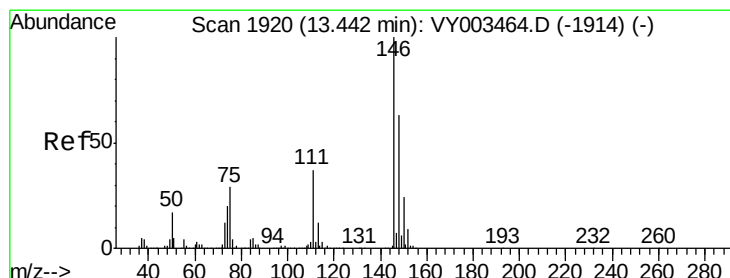
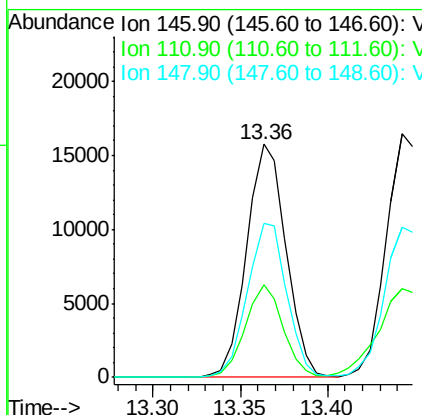
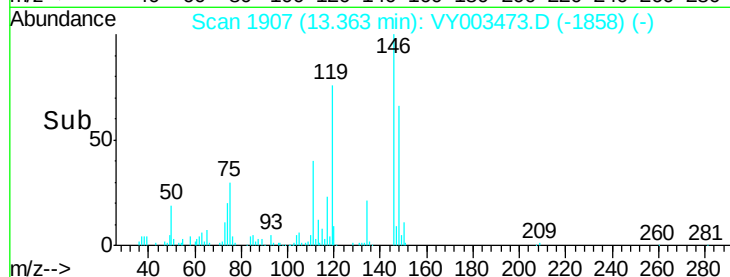
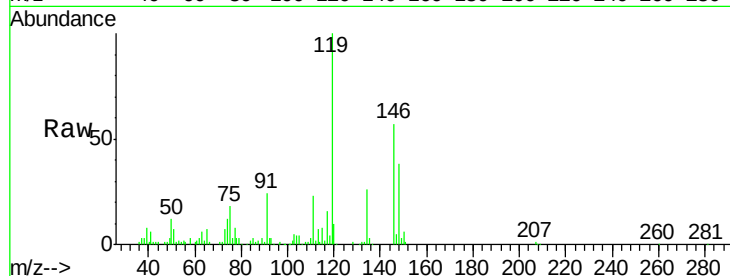




#87
 1,3-Dichlorobenzene
 Concen: 5.298 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

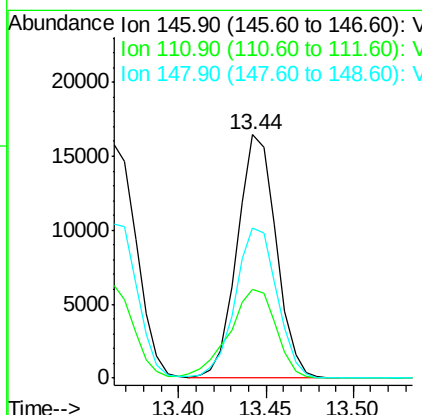
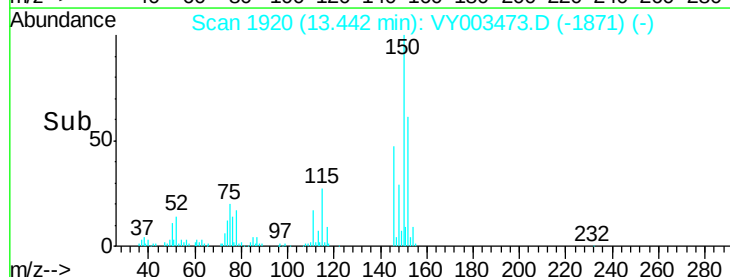
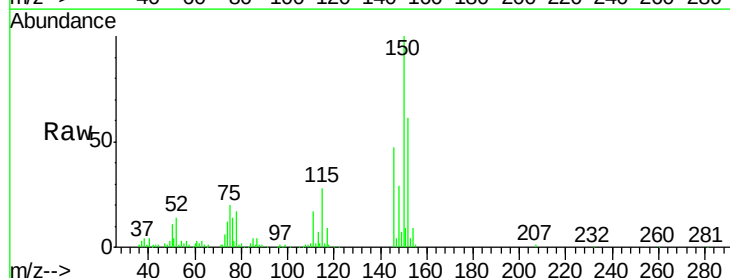
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

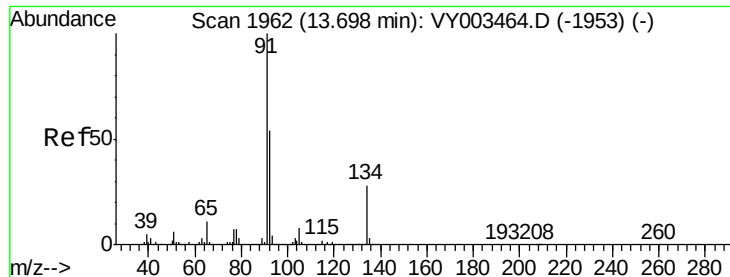
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	66.3	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 5.505 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.3	54.8
148	66.3	32.0	96.0





#89

n-Butylbenzene

Concen: 5.244 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

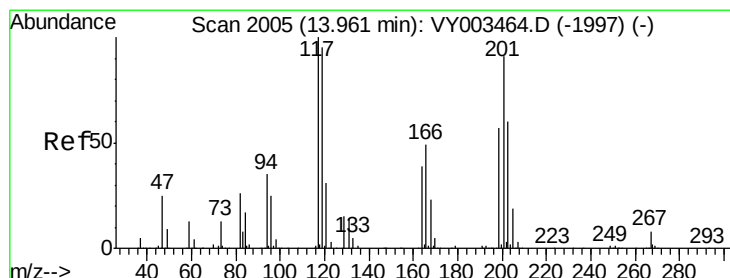
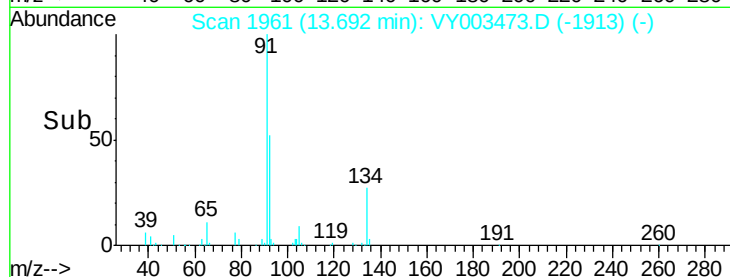
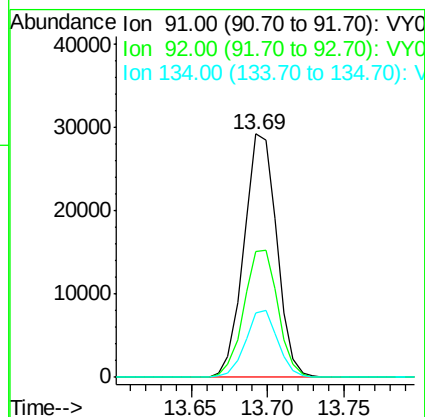
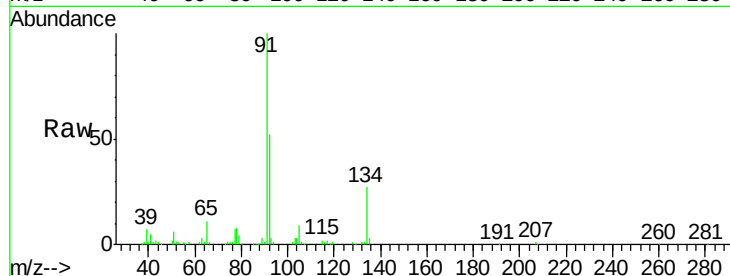
Tot Ion: 91 Resp: 43512

Ion Ratio Lower Upper

91 100

92 54.1 26.7 80.1

134 26.9 13.8 41.3



#90

Hexachloroethane

Concen: 5.436 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VY003473.D

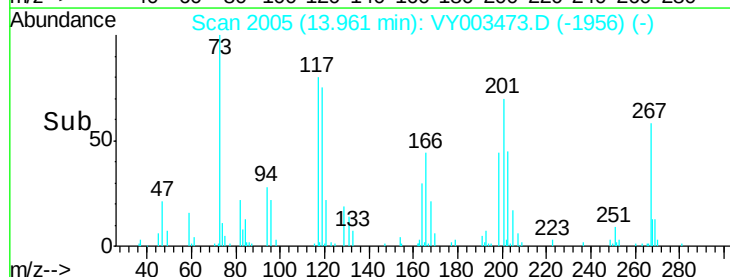
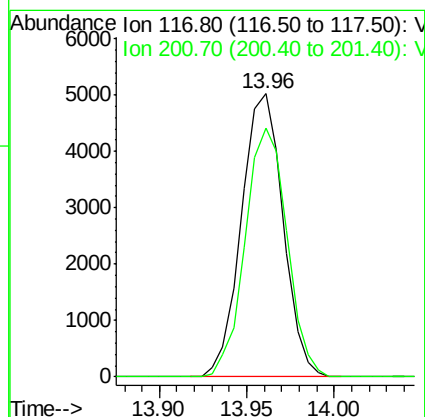
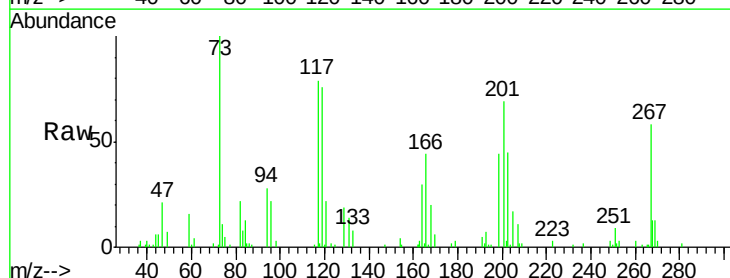
Acq: 02 Nov 2020 15:26

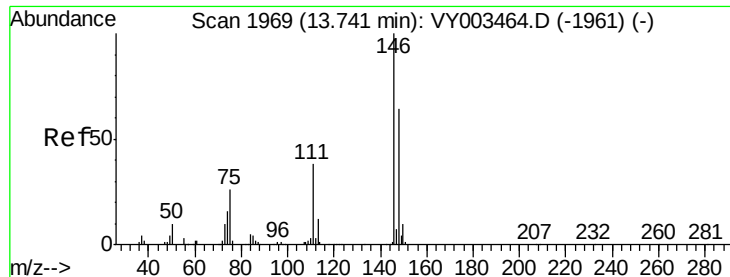
Tgt Ion: 117 Resp: 8310

Ion Ratio Lower Upper

117 100

201 88.3 46.6 139.8

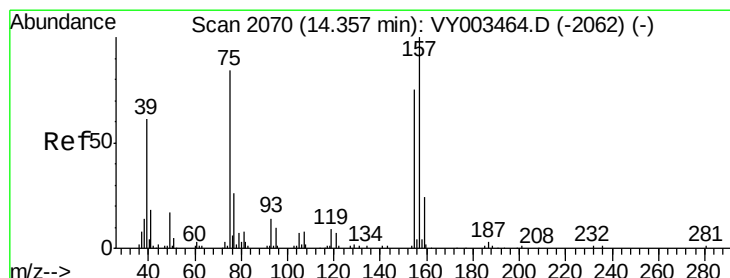
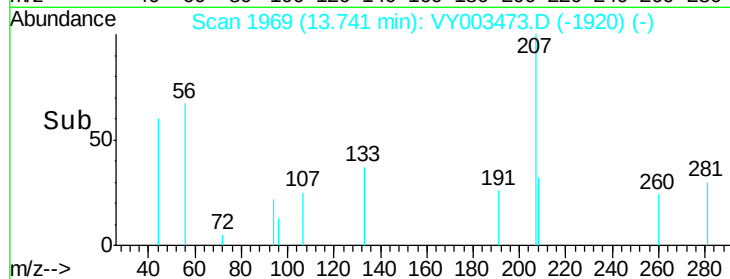
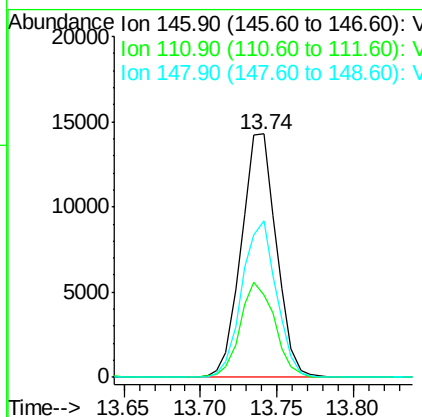
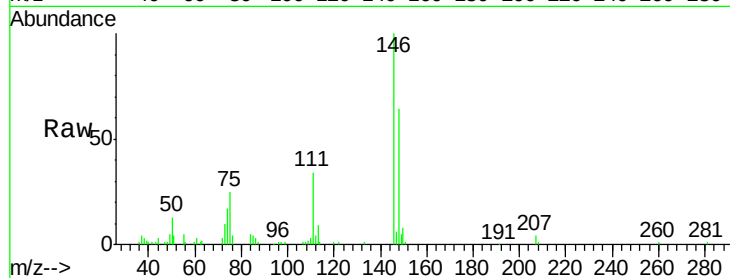




#91
 1,2-Dichlorobenzene
 Concen: 5.495 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

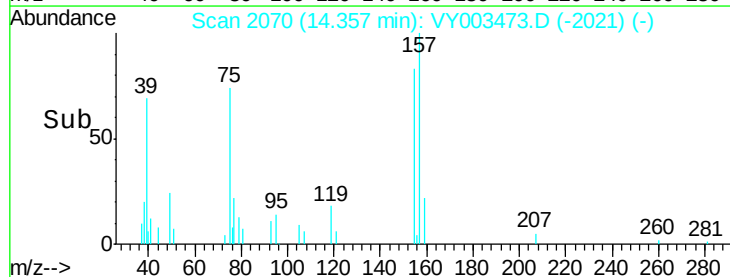
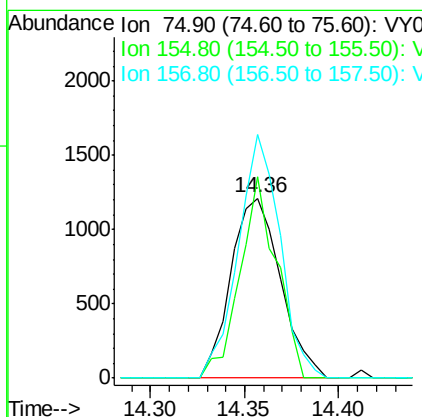
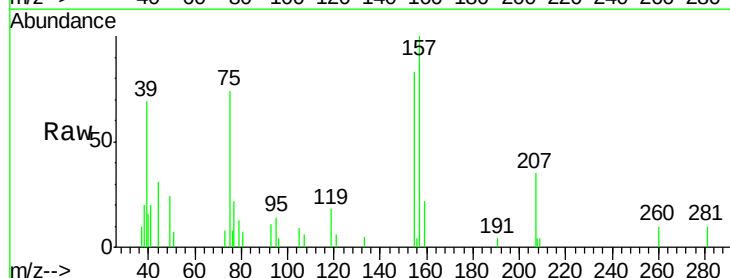
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

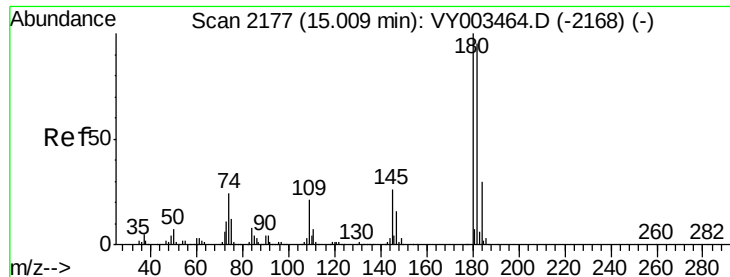
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	62.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.801 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	45.6	136.7
157	114.4	60.3	180.8

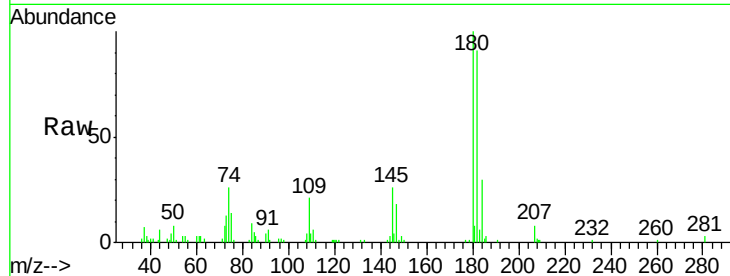




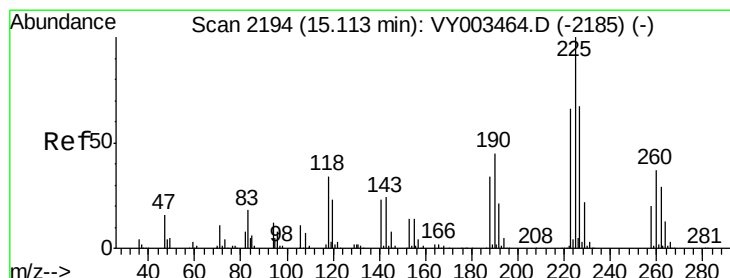
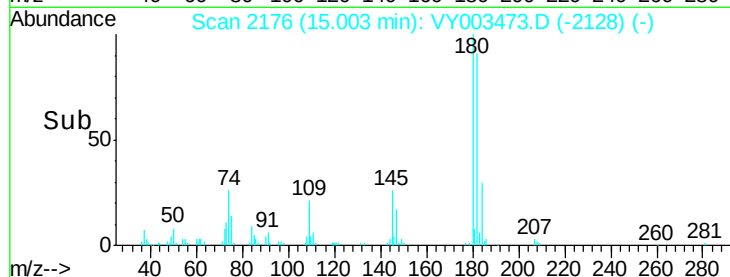
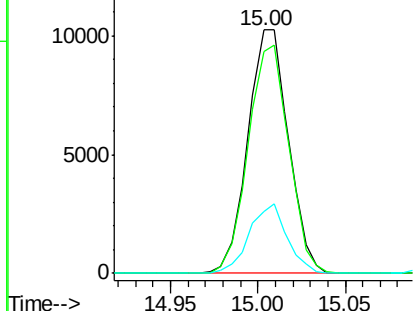
#93
 1,2,4-Trichlorobenzene
 Concen: 5.658 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.1	144.3
145	26.4	13.8	41.3

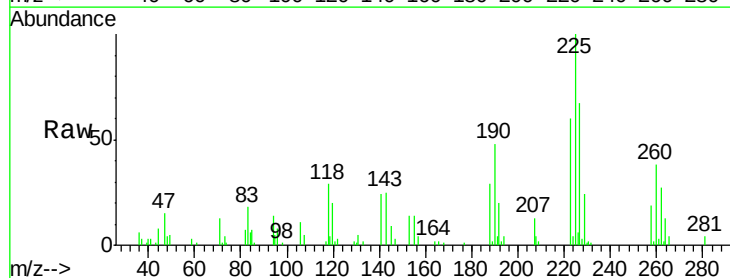


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

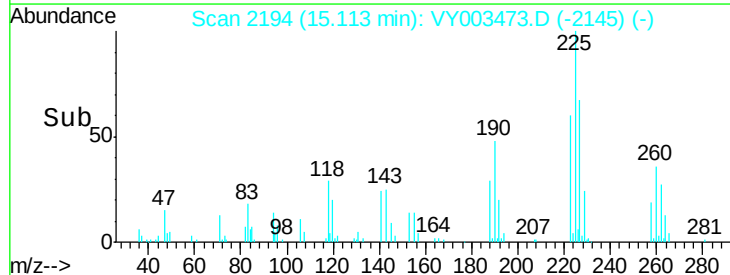
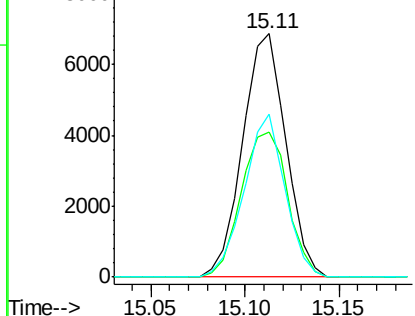


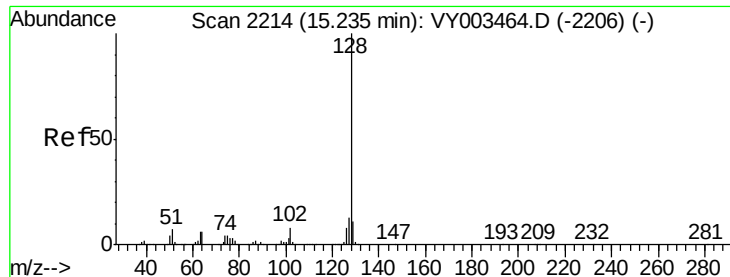
#94
 Hexachlorobutadiene
 Concen: 5.796 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003473.D
 Acq: 02 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.1	96.3
227	62.9	32.4	97.2



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

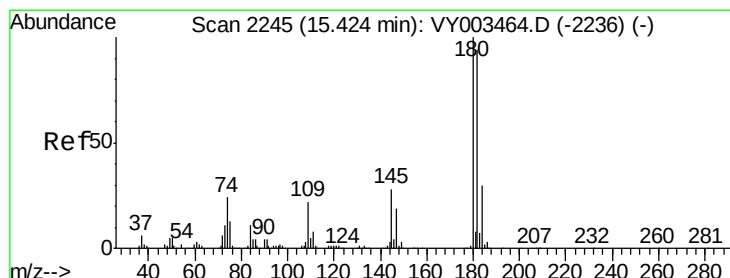
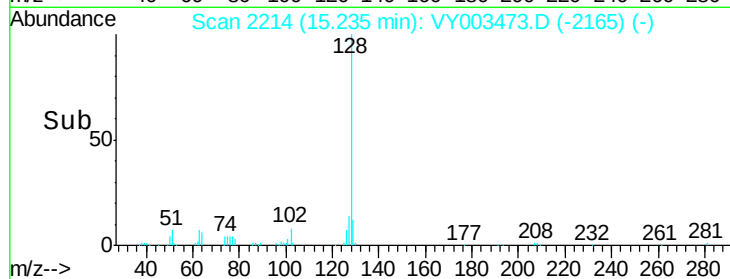
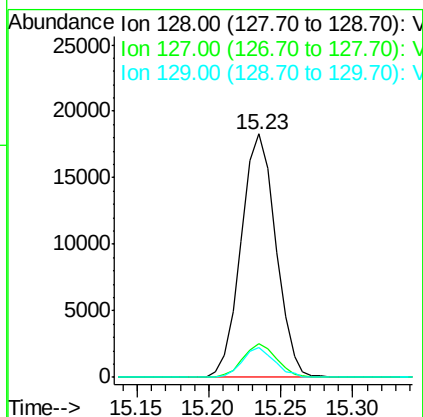
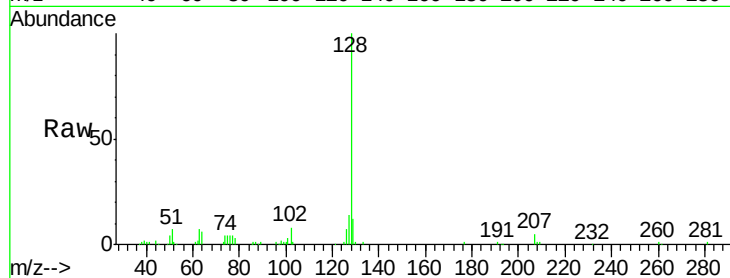




#95
Naphthalene
Concen: 5.235 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Tot Ion:128 Resp: 30691
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 5.273 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003473.D
Acq: 02 Nov 2020 15:26

Tgt Ion:180 Resp: 13886
Ion Ratio Lower Upper
180 100
182 96.1 46.9 140.7
145 30.4 14.4 43.2

