

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003123.D
 Acq On : 07 Jul 2020 13:51
 Operator : SY/MD
 Sample : L3126-01 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 04:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	403752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	586063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	293297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	199218	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.72	113	193309	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.18	98	714636	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.48	95	248693	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	16973	5.551	ug/l	95
3) Chloromethane	2.12	50	26068	5.822	ug/l	96
4) Vinyl Chloride	2.26	62	23980	5.490	ug/l	94
5) Bromomethane	2.65	94	18969	6.397	ug/l	90
6) Chloroethane	2.80	64	15218	5.477	ug/l	95
7) Trichlorofluoromethane	3.13	101	34449	5.588	ug/l	99
8) Diethyl Ether	3.53	74	11721	5.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	21216	5.764	ug/l	97
10) Methyl Iodide	4.10	142	23840	5.223	ug/l	99
11) Tert butyl alcohol	4.95	59	6655	16.284	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	20267	5.787	ug/l	83
13) Acrolein	3.74	56	8083	22.022	ug/l	94
14) Allyl chloride	4.49	41	26836	4.389	ug/l #	90
15) Acrylonitrile	5.18	53	27471	25.222	ug/l	97
16) Acetone	3.96	43	23767	25.130	ug/l	99
17) Carbon Disulfide	4.20	76	58380	5.217	ug/l	97
18) Methyl Acetate	4.49	43	17488	6.863	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	55673	5.453	ug/l #	89
20) Methylene Chloride	4.72	84	35953	6.811	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	22302	5.630	ug/l	90
22) Diisopropyl ether	6.12	45	63593	4.852	ug/l #	91
23) Vinyl Acetate	6.07	43	187759	21.428	ug/l	98
24) 1,1-Dichloroethane	6.03	63	37335	5.215	ug/l	97
25) 2-Butanone	7.00	43	36050	23.996	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	33329	5.124	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	24930	5.611	ug/l	93
28) Bromochloromethane	7.35	49	16124	5.062	ug/l	92
29) Tetrahydrofuran	7.36	42	24298	24.321	ug/l	91
30) Chloroform	7.52	83	39003	5.499	ug/l	97
31) Cyclohexane	7.79	56	40749	5.778	ug/l #	76
32) 1,1,1-Trichloroethane	7.71	97	33663	5.200	ug/l	99
36) 1,1-Dichloropropene	7.92	75	29346	5.198	ug/l	95
37) Ethyl Acetate	7.08	43	17056	5.025	ug/l	95
38) Carbon Tetrachloride	7.91	117	31207	5.313	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003123.D
 Acq On : 07 Jul 2020 13:51
 Operator : SY/MD
 Sample : L3126-01 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 04:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.18	83	37269	5.325	ug/l	92
40) Benzene	8.17	78	85913	5.559	ug/l	97
41) Methacrylonitrile	7.36	41	23752	13.100	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	26176	5.354	ug/l	96
43) Isopropyl Acetate	8.28	43	31066	4.815	ug/l	96
44) Trichloroethene	8.94	130	25640	5.708	ug/l	88
45) 1,2-Dichloropropane	9.22	63	22581	5.431	ug/l #	87
46) Dibromomethane	9.31	93	12900	5.555	ug/l	97
47) Bromodichloromethane	9.50	83	29941	5.265	ug/l	97
48) Methyl methacrylate	9.30	41	13992	4.764	ug/l	97
49) 1,4-Dioxane	9.30	88	2978	105.051	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	80447	24.122	ug/l	96
52) Toluene	10.24	92	52556	5.402	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	29068	4.876	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	34757	5.098	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	17442	5.405	ug/l	95
56) Ethyl methacrylate	10.51	69	22555	4.828	ug/l	99
57) 1,3-Dichloropropane	10.79	76	30286	5.346	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	60847	25.398	ug/l	97
59) 2-Hexanone	10.83	43	55778	23.928	ug/l	98
60) Dibromochloromethane	10.99	129	22018	5.332	ug/l	100
61) 1,2-Dibromoethane	11.09	107	17904	5.628	ug/l	96
64) Tetrachloroethene	10.72	164	29150	6.368	ug/l	92
65) Chlorobenzene	11.52	112	59330	5.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	22627	5.434	ug/l	98
67) Ethyl Benzene	11.59	91	104282	5.345	ug/l	98
68) m/p-Xylenes	11.70	106	76982	10.602	ug/l	98
69) o-Xylene	12.03	106	37850	5.532	ug/l	91
70) Styrene	12.04	104	61071	5.224	ug/l	98
71) Bromoform	12.21	173	14686	5.290	ug/l #	98
73) Isopropylbenzene	12.33	105	99268	5.172	ug/l	97
74) N-amyl acetate	12.14	43	28086	4.495	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	19355	4.997	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	27380	9.432	ug/l #	100
77) Bromobenzene	12.61	156	26391	5.362	ug/l	95
78) n-propylbenzene	12.67	91	120951	5.239	ug/l	99
79) 2-Chlorotoluene	12.75	91	68016	5.279	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	82696	5.134	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7151	4.793	ug/l	99
82) 4-Chlorotoluene	12.85	91	70744	5.273	ug/l	98
83) tert-Butylbenzene	13.08	119	73455	5.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	84120	5.183	ug/l	100
85) sec-Butylbenzene	13.25	105	102500	5.258	ug/l	99
86) p-Isopropyltoluene	13.37	119	92281	5.109	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	48533	5.282	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	50417	5.564	ug/l	94
89) n-Butylbenzene	13.70	91	87773	5.078	ug/l	98
90) Hexachloroethane	13.96	117	17078	4.761	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	46105	5.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3756	5.477	ug/l	99

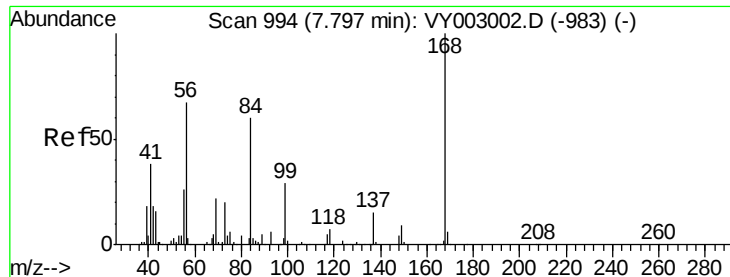
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
Data File : VY003123.D
Acq On : 07 Jul 2020 13:51
Operator : SY/MD
Sample : L3126-01 5PPBL00
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 04:42:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 04:37:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	33450	5.460	ug/l	98
94) Hexachlorobutadiene	15.11	225	22104	5.721	ug/l	99
95) Naphthalene	15.23	128	56697	5.067	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29080	5.467	ug/l	98

(#) = 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. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

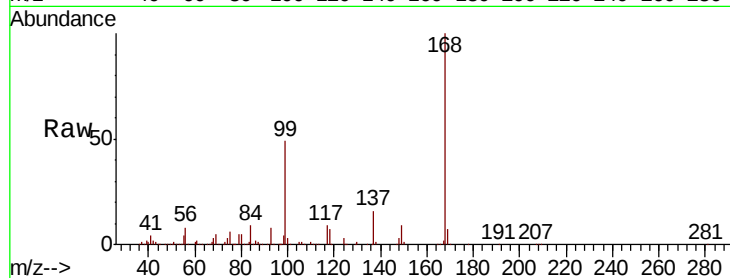
LOQ-SOIL-02-QT3-2020

Tot Ion:168 Resp: 403752

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003123.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003123.D (-945) (-)

7.80

200000

150000

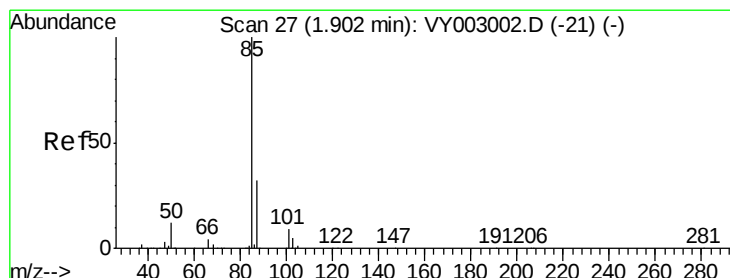
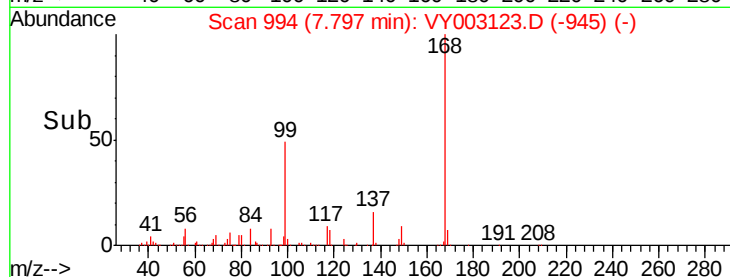
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.551 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003123.D

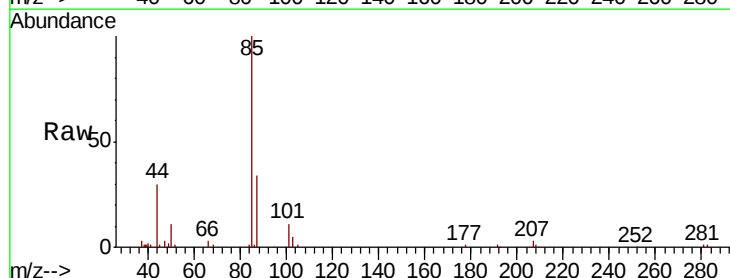
Acq: 07 Jul 2020 13:51

Tgt Ion: 85 Resp: 16973

Ion Ratio Lower Upper

85 100

87 34.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003123.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003123.D (-1) (-)

1.91

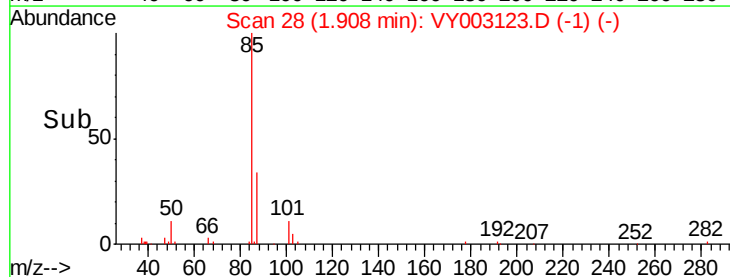
10000

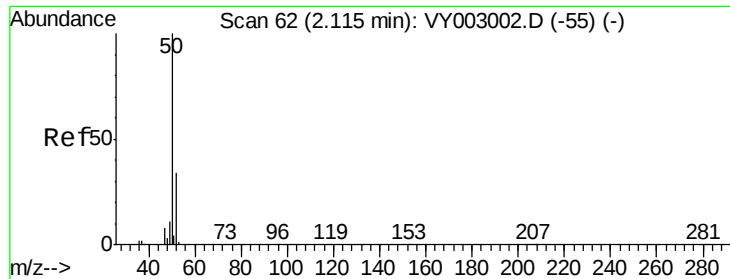
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 5.822 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

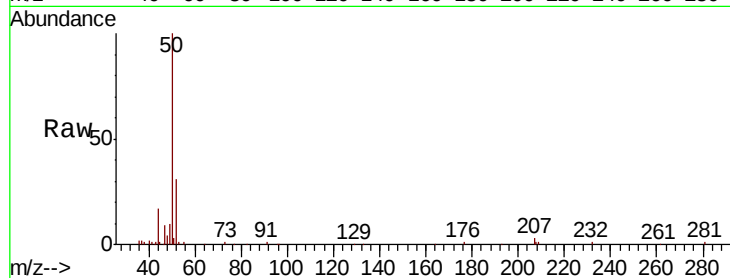
LOQ-SOIL-02-QT3-2020

Tot Ion: 50 Resp: 26068

Ion Ratio Lower Upper

50 100

52 31.1 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

20000

15000

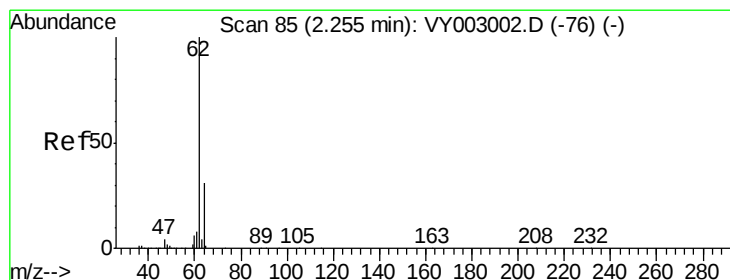
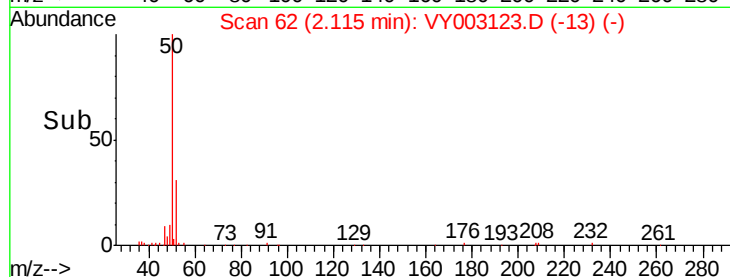
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 5.490 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003123.D

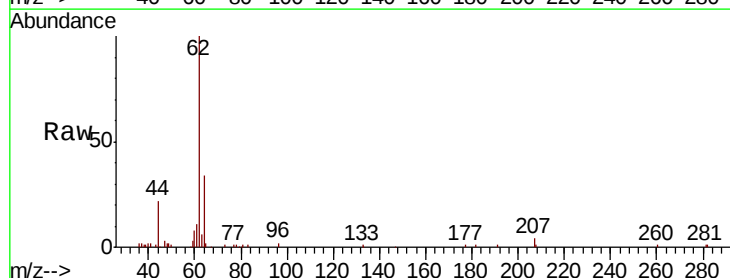
Acq: 07 Jul 2020 13:51

Tgt Ion: 62 Resp: 23980

Ion Ratio Lower Upper

62 100

64 34.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

15000

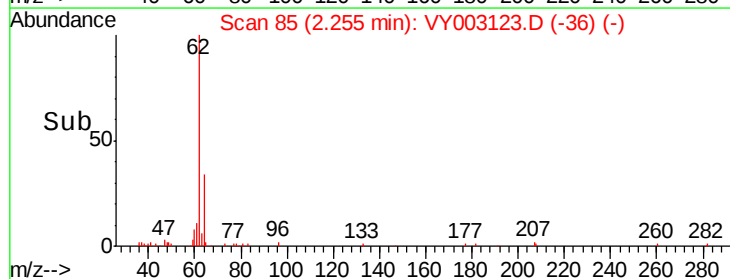
10000

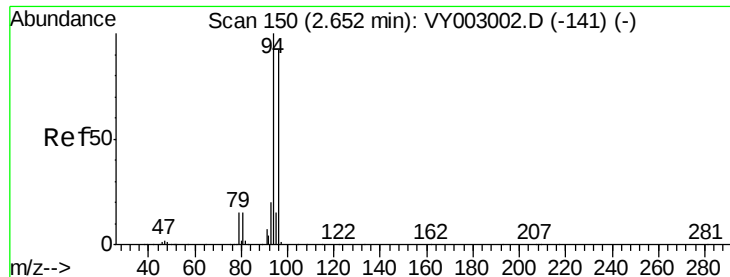
5000

0

Time-->

2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 6.397 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

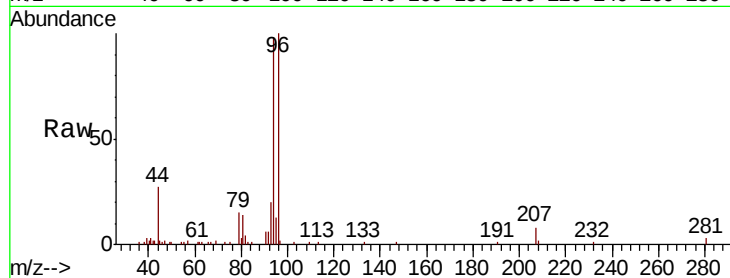
LOQ-SOIL-02-QT3-2020

Tot Ion: 94 Resp: 18969

Ion Ratio Lower Upper

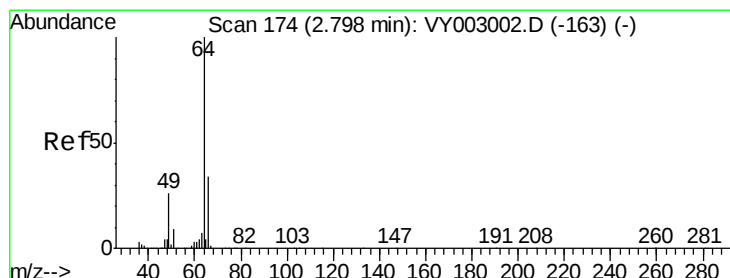
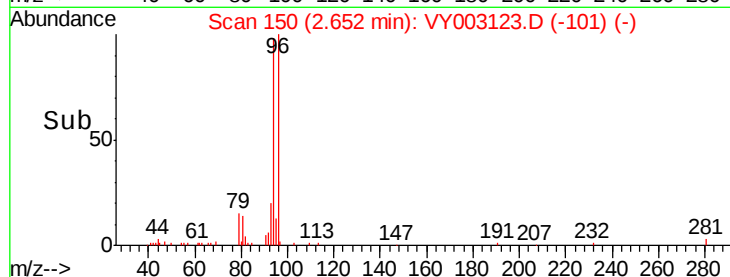
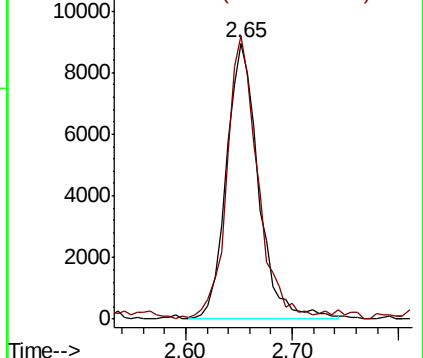
94 100

96 101.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.477 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003123.D

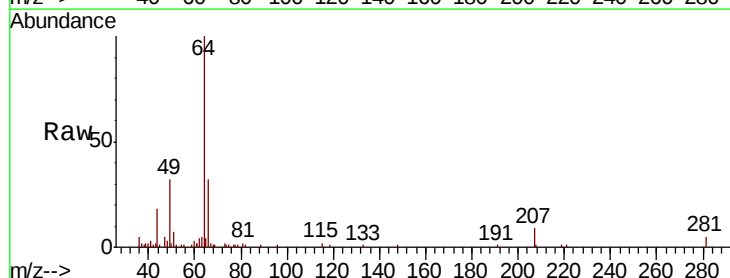
Acq: 07 Jul 2020 13:51

Tgt Ion: 64 Resp: 15218

Ion Ratio Lower Upper

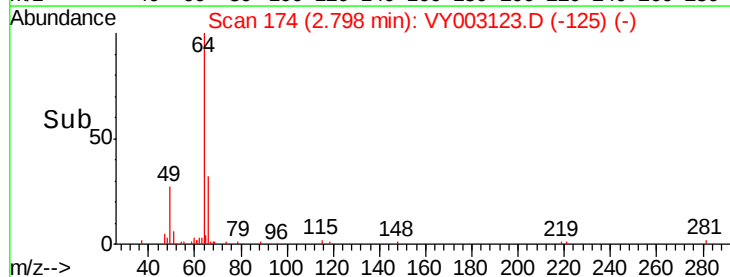
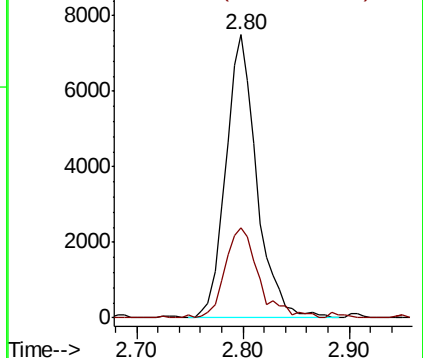
64 100

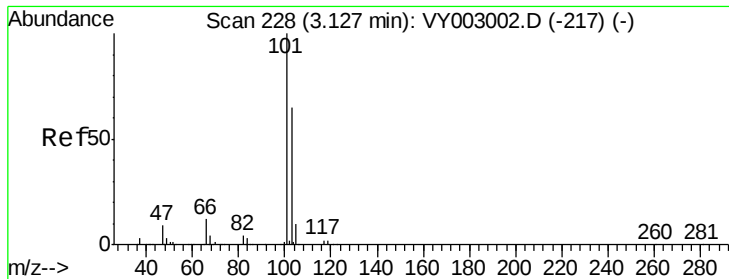
66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 5.588 ug/l

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

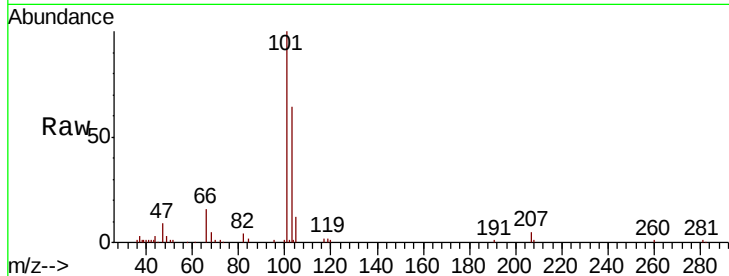
LOQ-SOIL-02-QT3-2020

Tot Ion:101 Resp: 34449

Ion Ratio Lower Upper

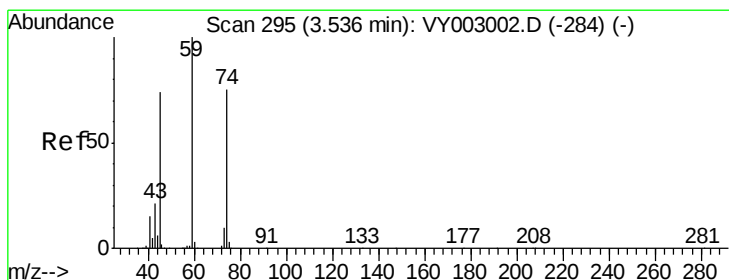
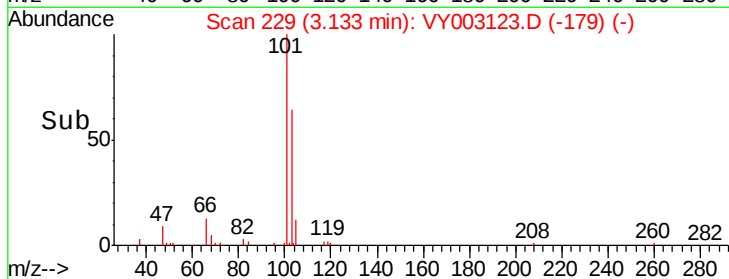
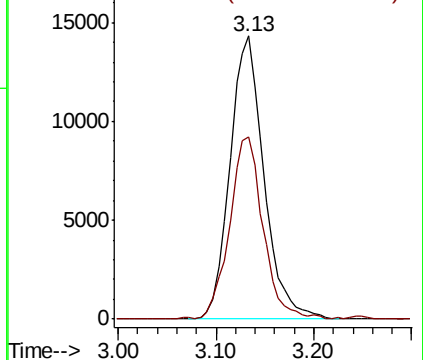
101 100

103 63.9 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.546 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY003123.D

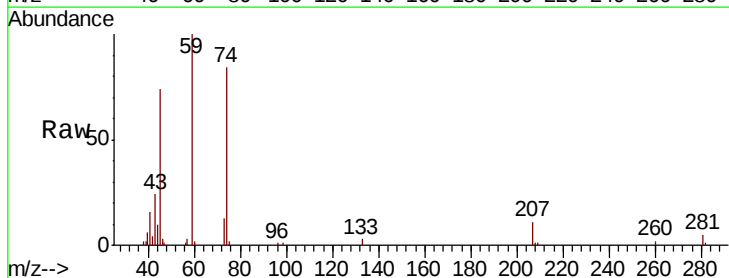
Acq: 07 Jul 2020 13:51

Tgt Ion: 74 Resp: 11721

Ion Ratio Lower Upper

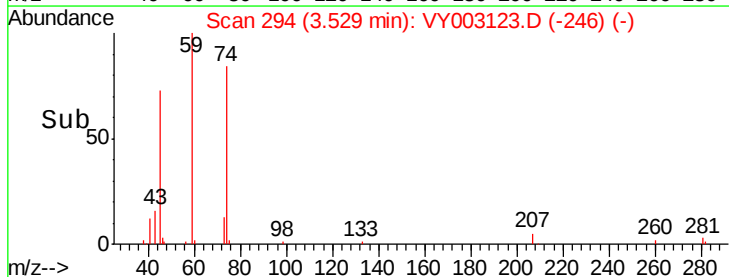
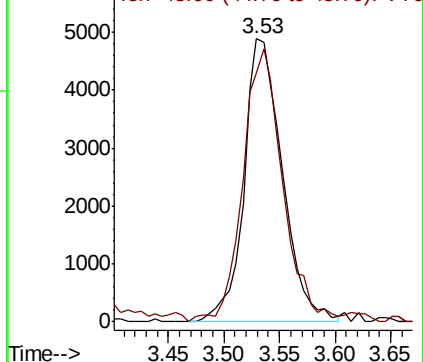
74 100

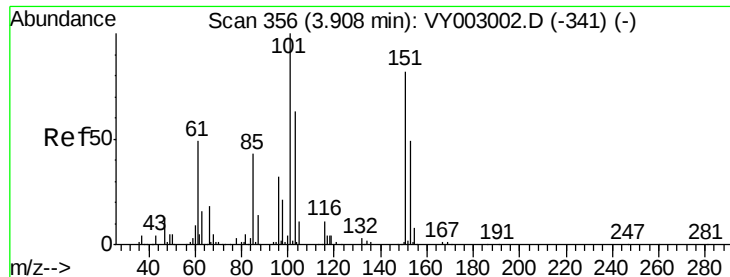
45 99.9 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.764 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

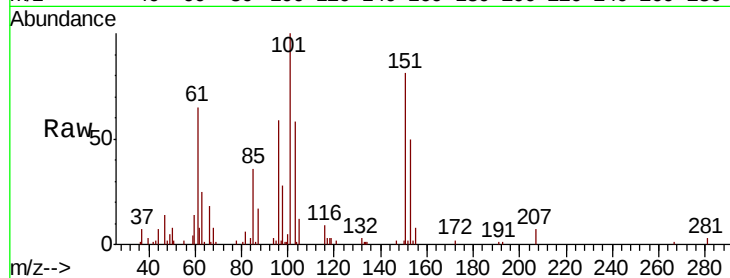
Tot Ion:101 Resp: 21216

Ion Ratio Lower Upper

101 100

85 42.2 35.5 53.3

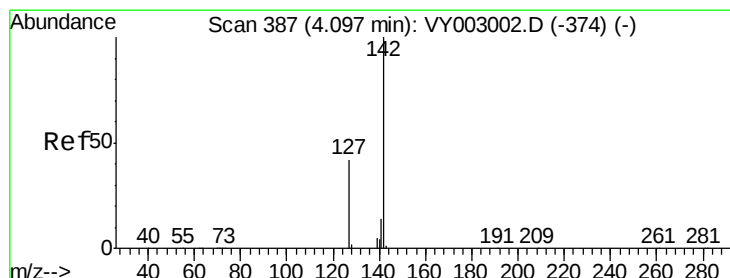
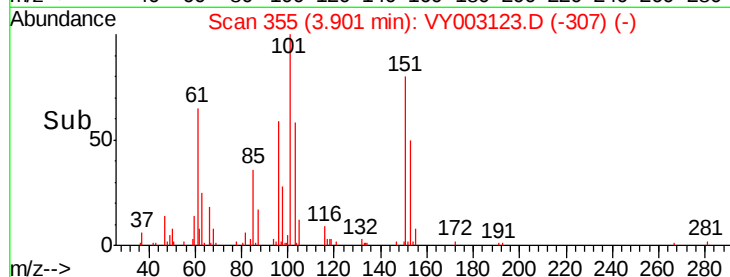
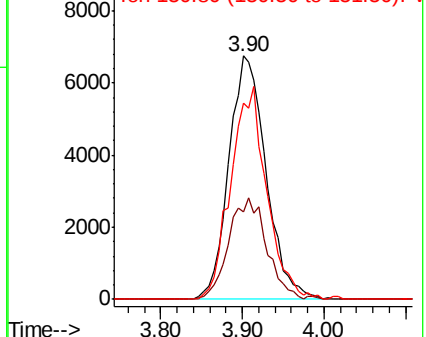
151 85.0 65.5 98.3



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: 5.223 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

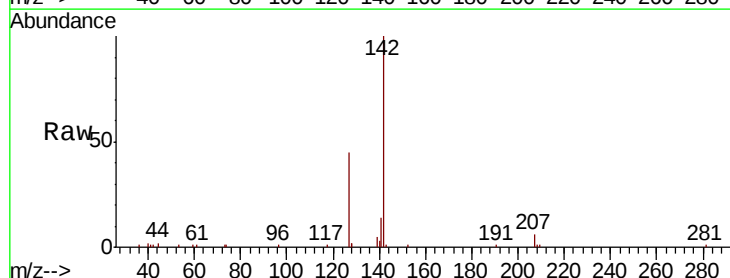
Tgt Ion:142 Resp: 23840

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.2

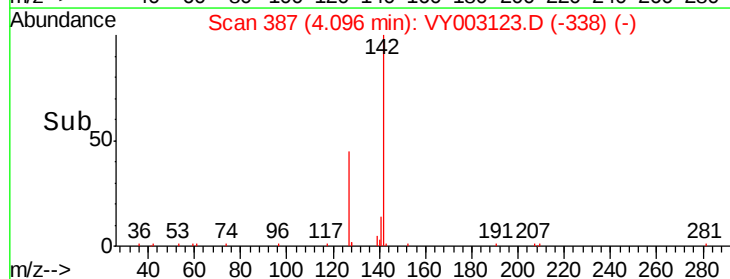
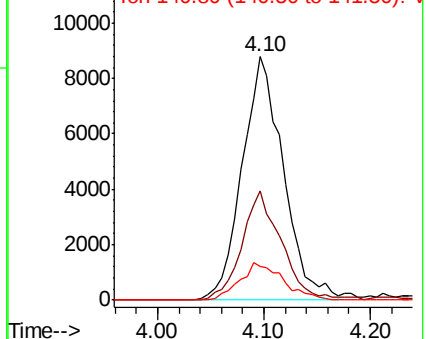
141 16.1 11.7 17.5

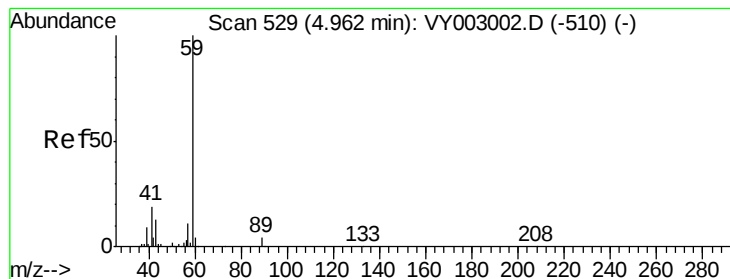


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



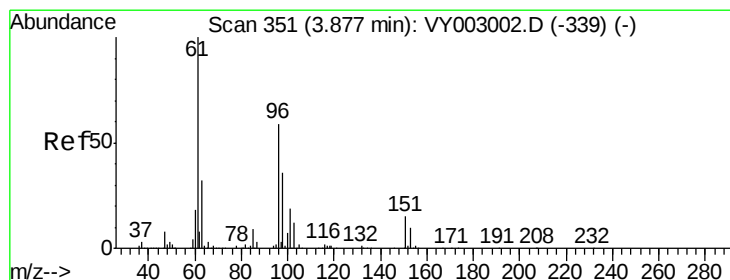
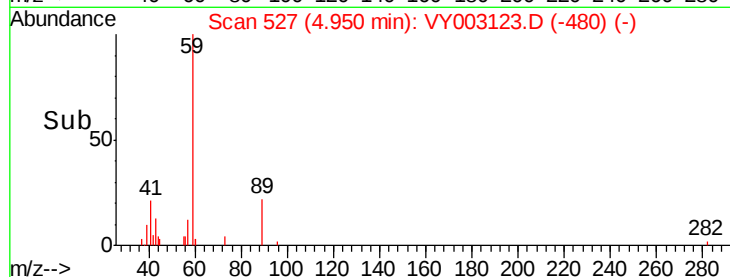
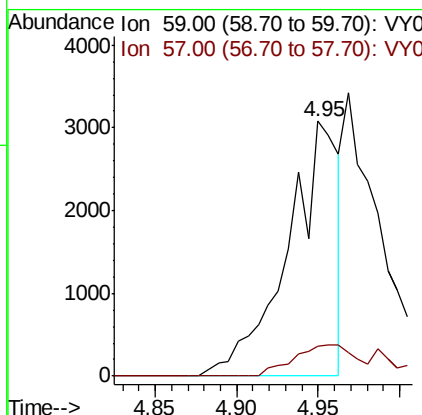
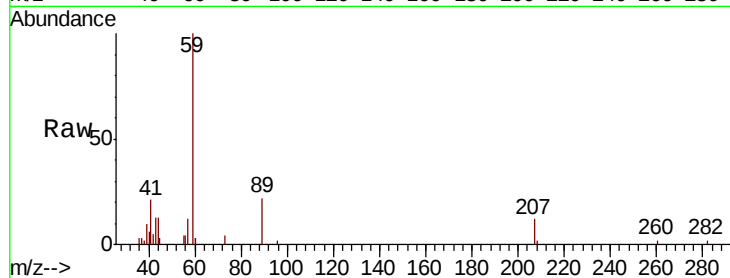


#11

Tert butyl alcohol
 Concen: 16.284 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

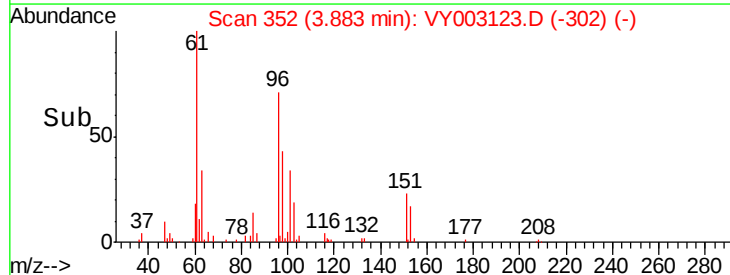
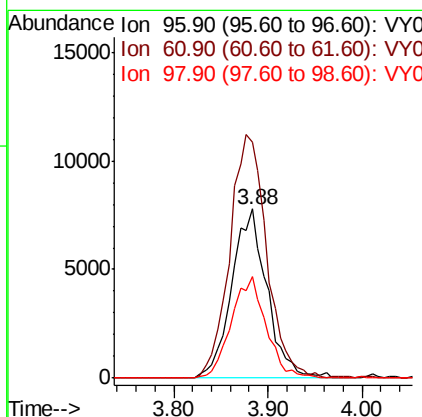
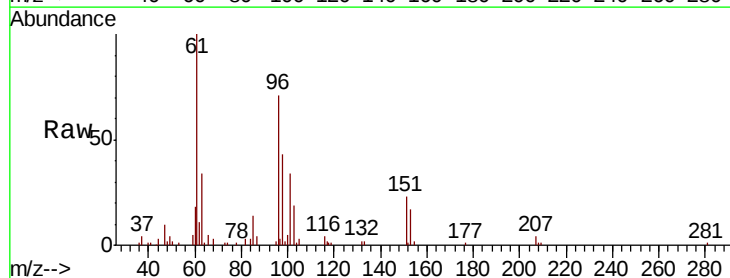
Tot Ion: 59 Resp: 6655
 Ion Ratio Lower Upper
 59 100
 57 14.8 8.0 12.0#

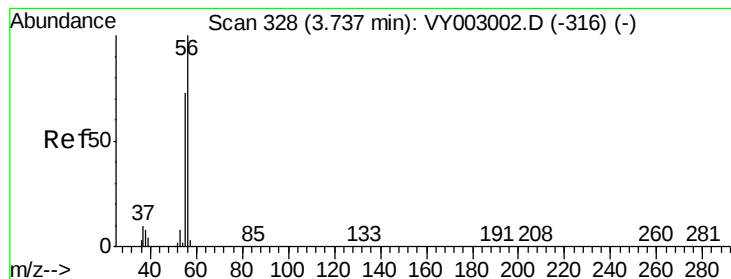


#12

1,1-Dichloroethene
 Concen: 5.787 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion: 96 Resp: 20267
 Ion Ratio Lower Upper
 96 100
 61 139.9 136.7 205.1
 98 60.2 49.7 74.5





#13

Acrolein

Concen: 22.022 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

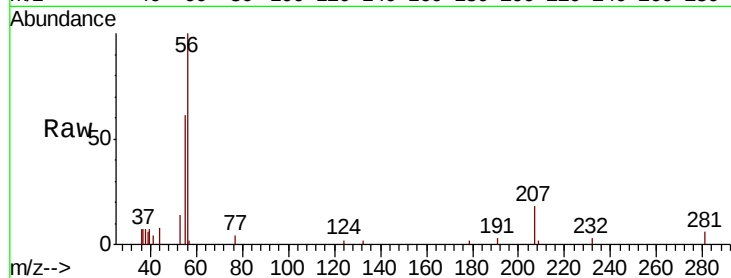
LOQ-SOIL-02-QT3-2020

Tot Ion: 56 Resp: 8083

Ion Ratio Lower Upper

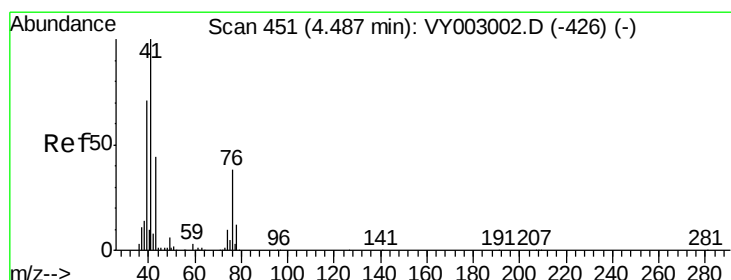
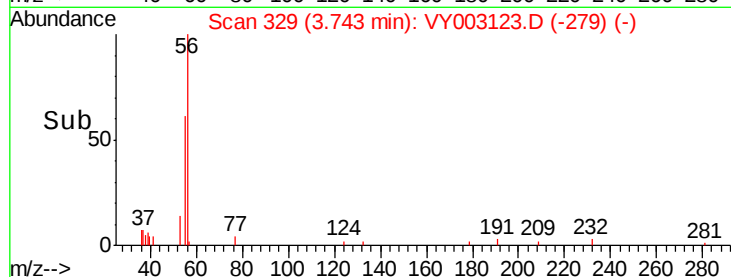
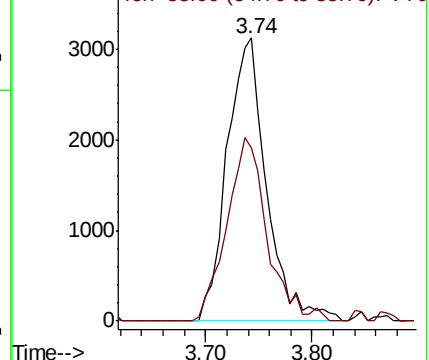
56 100

55 65.4 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.389 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

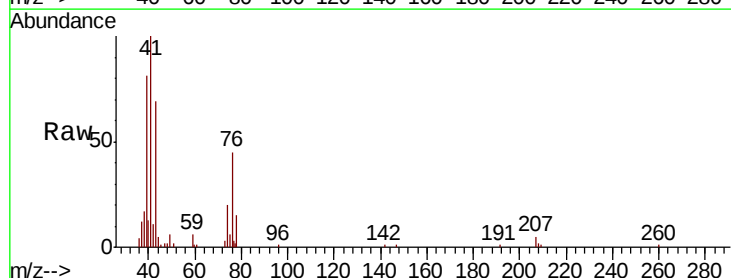
Tgt Ion: 41 Resp: 26836

Ion Ratio Lower Upper

41 100

39 76.7 55.6 83.4

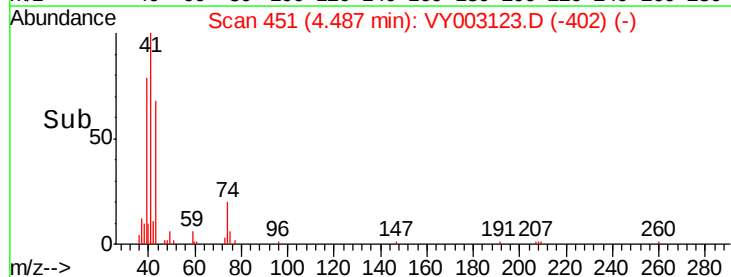
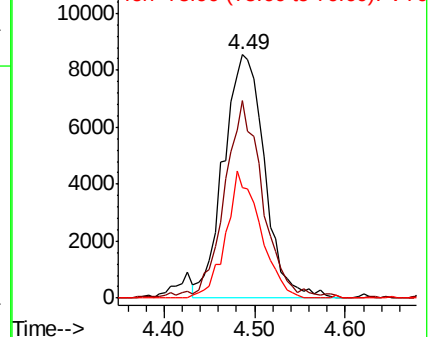
76 43.7 28.6 43.0#

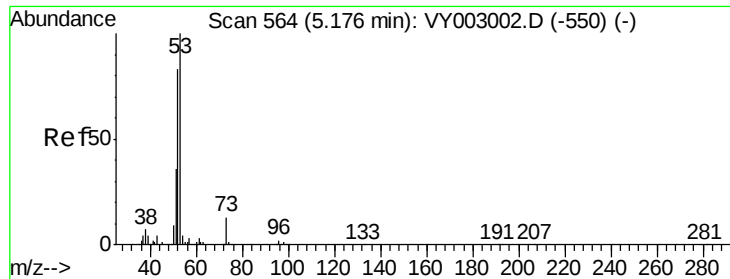


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

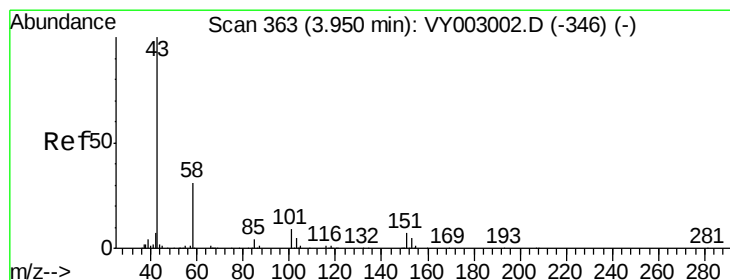
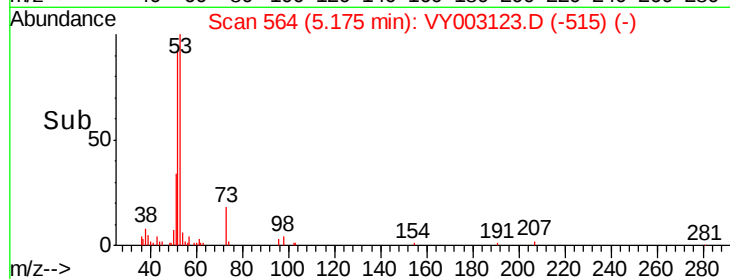
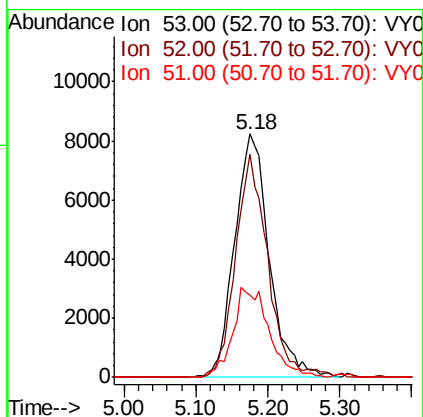
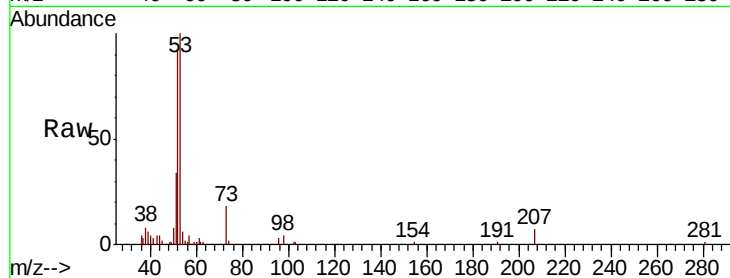




#15
 Acrylonitrile
 Concen: 25.222 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

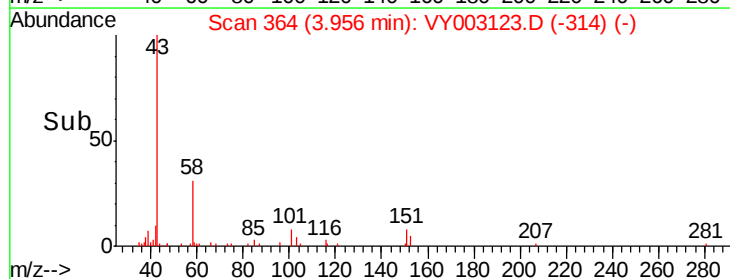
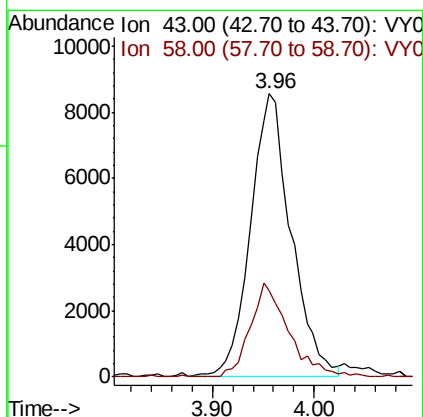
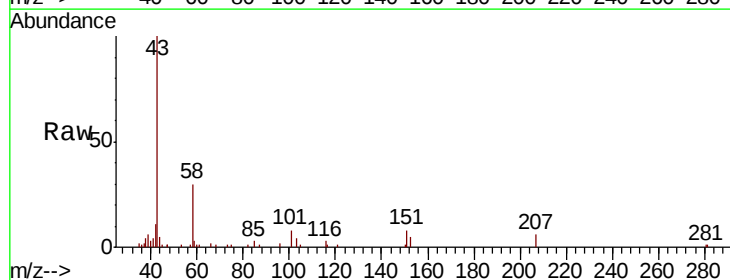
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

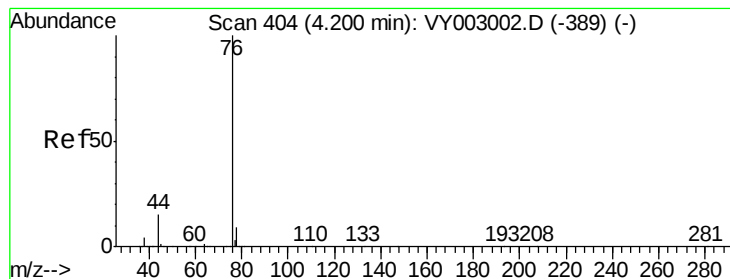
Tot Ion	53	Resp	27471
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.2	99.2
51	38.5	29.5	44.3



#16
 Acetone
 Concen: 25.130 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	43	Resp	23767
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.7	37.1





#17

Carbon Disulfide

Concen: 5.217 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

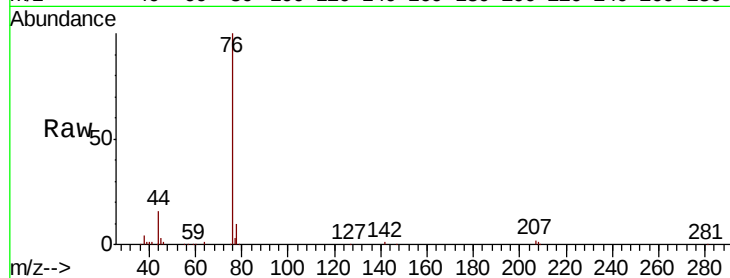
LOQ-SOIL-02-QT3-2020

Tot Ion: 76 Resp: 58380

Ion Ratio Lower Upper

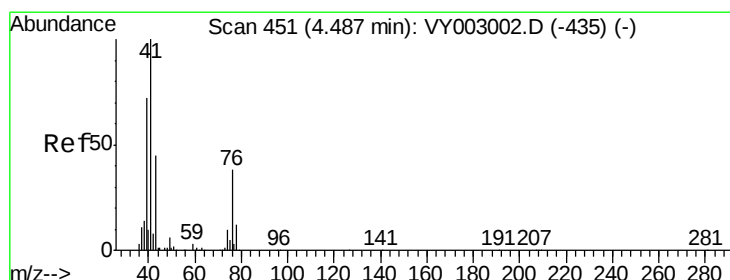
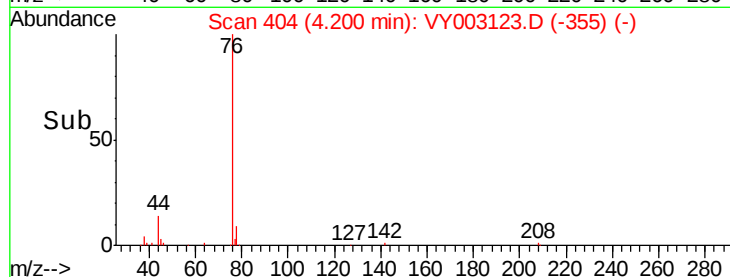
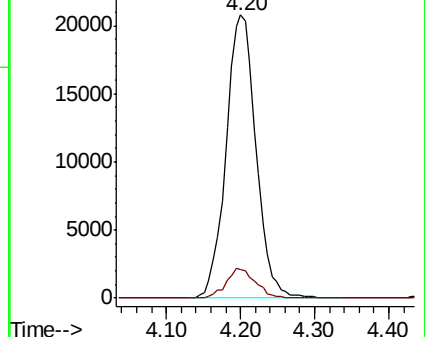
76 100

78 9.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY003123.D (-389) (-)

Ion 77.90 (77.60 to 78.60): VY003123.D (-389) (-)



#18

Methyl Acetate

Concen: 6.863 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003123.D

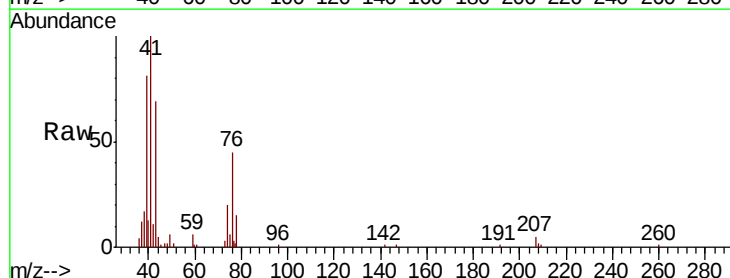
Acq: 07 Jul 2020 13:51

Tgt Ion: 43 Resp: 17488

Ion Ratio Lower Upper

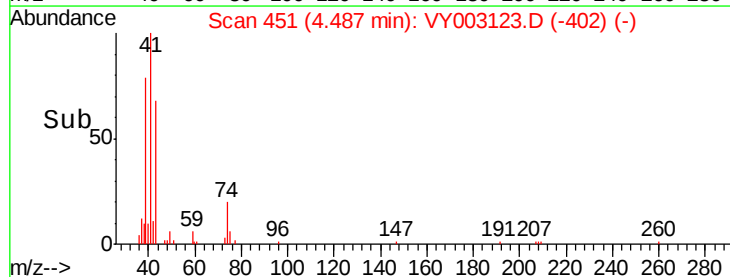
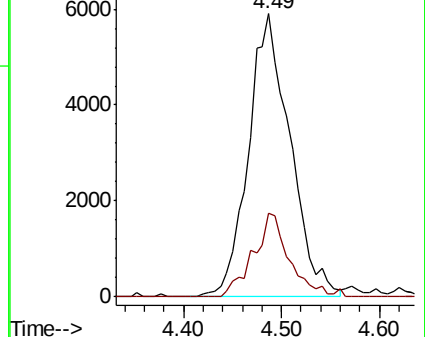
43 100

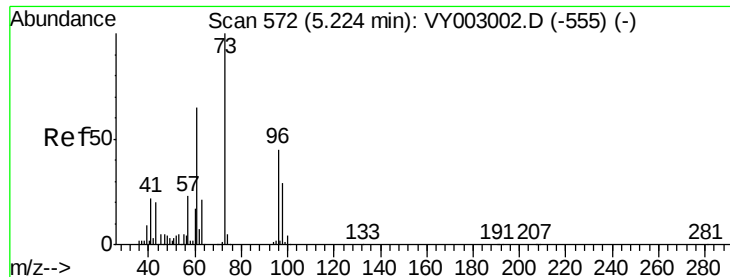
74 25.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.30): VY003123.D (-402) (-)

Ion 74.00 (73.70 to 74.30): VY003123.D (-402) (-)

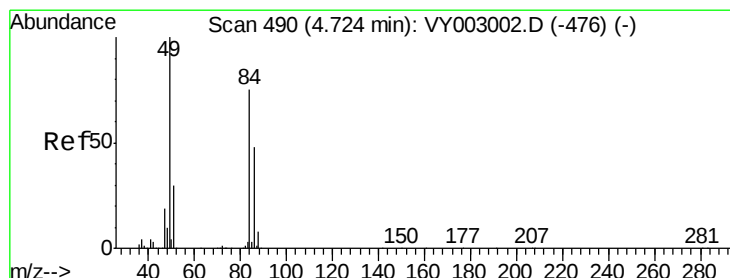
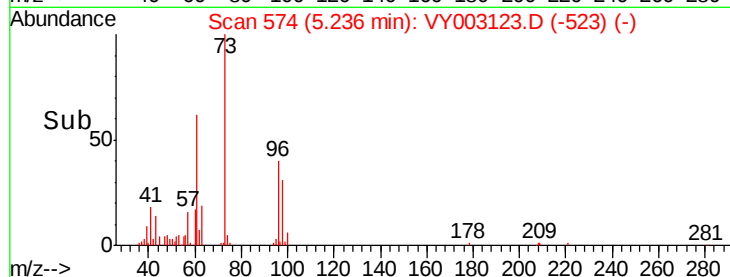
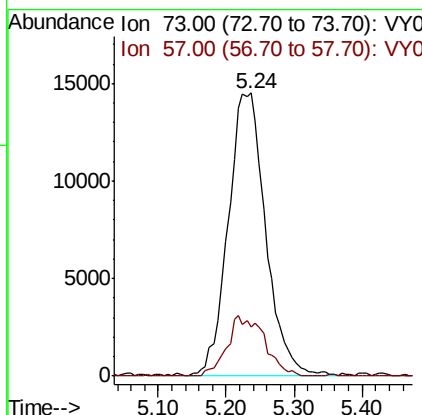
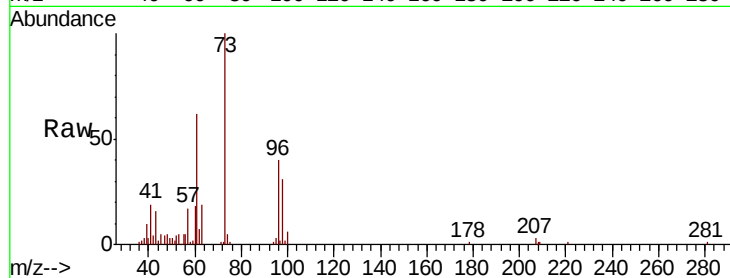




#19
Methvl tert-butvl Ether
Concen: 5.453 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

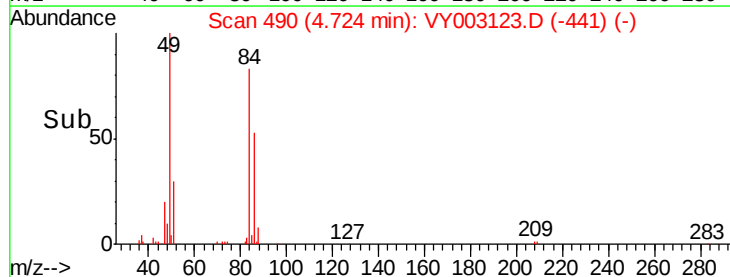
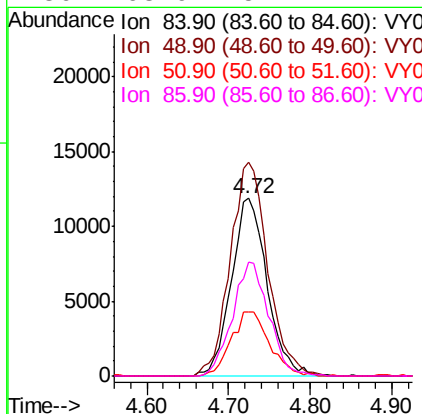
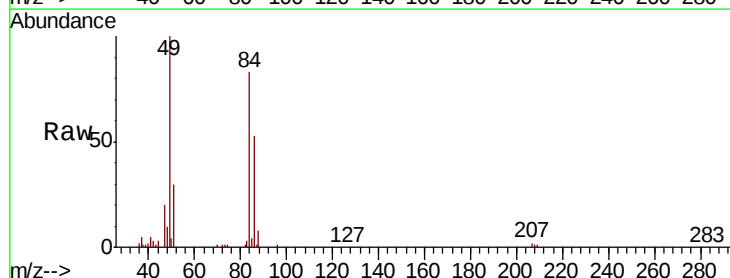
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

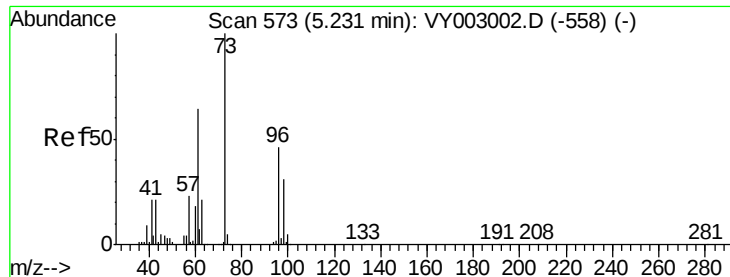
Tot Ion: 73 Resp: 55673
Ion Ratio Lower Upper
73 100
57 17.2 18.2 27.2#



#20
Methylene Chloride
Concen: 6.811 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 84 Resp: 35953
Ion Ratio Lower Upper
84 100
49 120.2 106.8 160.2
51 36.2 32.0 48.0
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 5.630 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

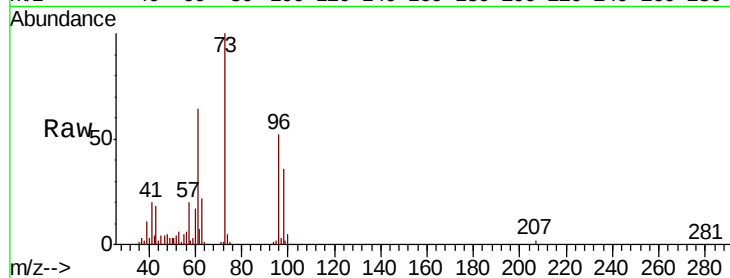
Tot Ion: 96 Resp: 22302

Ion Ratio Lower Upper

96 100

61 123.4 112.3 168.5

98 69.6 53.8 80.8

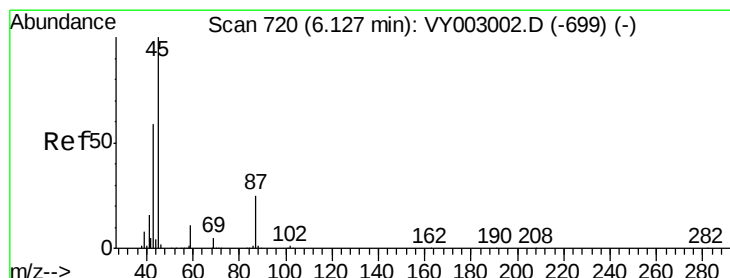
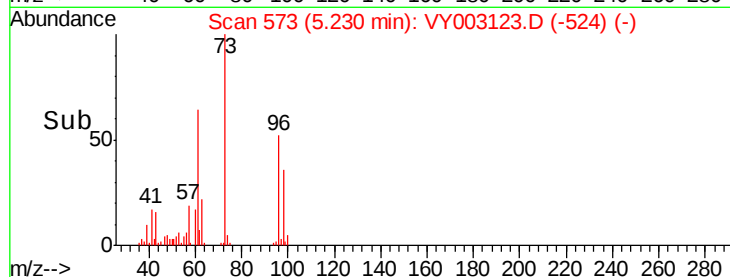
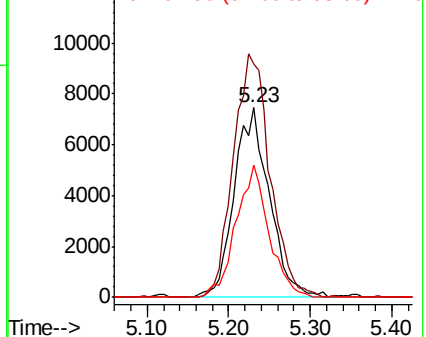


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 4.852 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion: 45 Resp: 63593

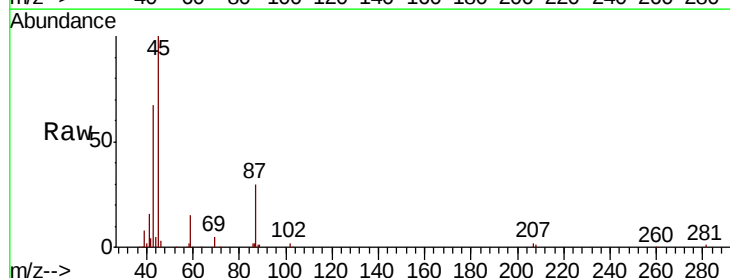
Ion Ratio Lower Upper

45 100

43 66.0 47.4 71.2

87 29.6 20.2 30.2

59 14.6 9.2 13.8#



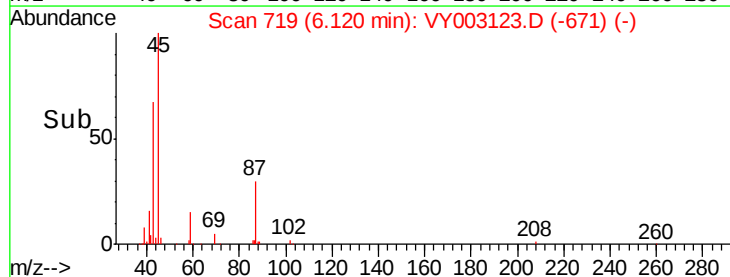
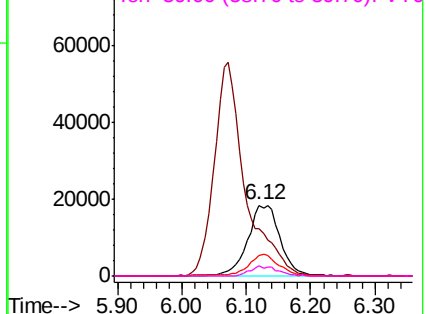
Abundance

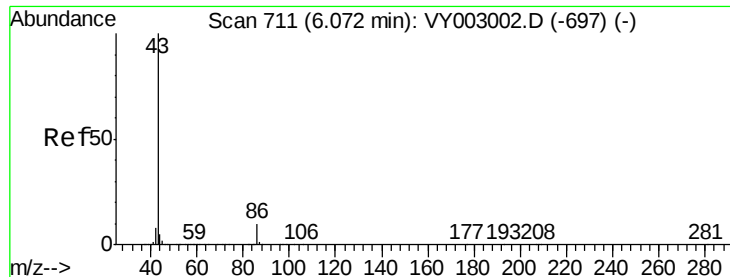
Ion 45.00 (44.70 to 45.70): VY0

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: 21.428 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

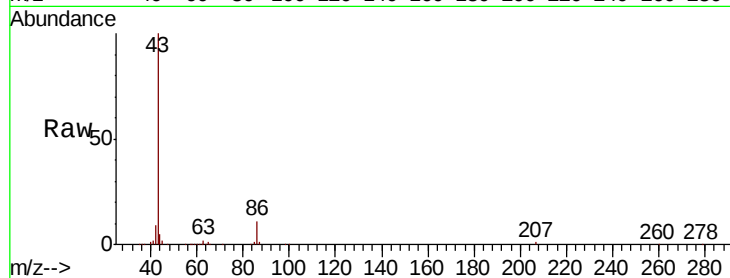
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 187759

Ion Ratio Lower Upper

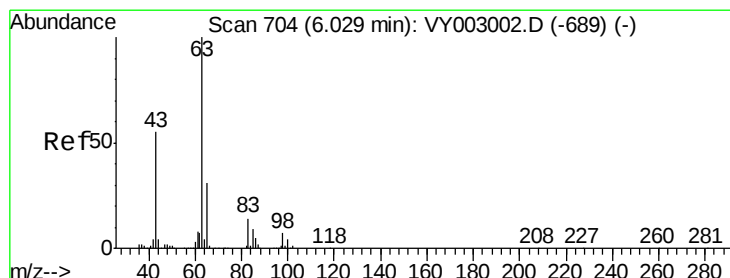
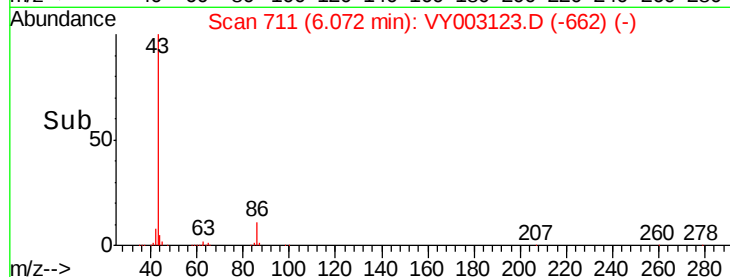
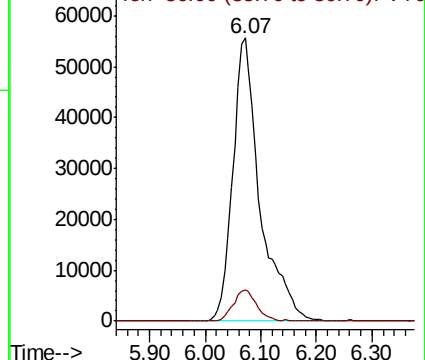
43 100

86 11.0 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 5.215 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

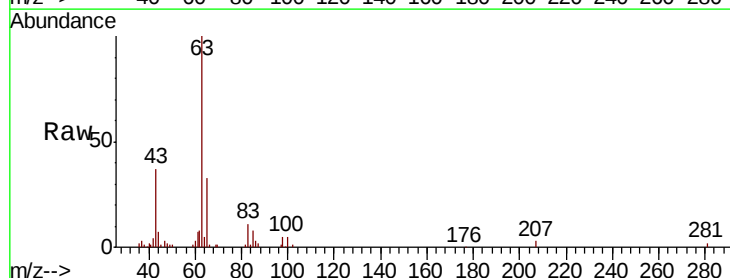
Tgt Ion: 63 Resp: 37335

Ion Ratio Lower Upper

63 100

98 5.3 3.4 10.1

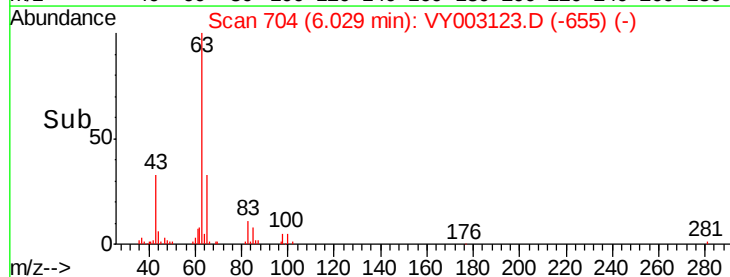
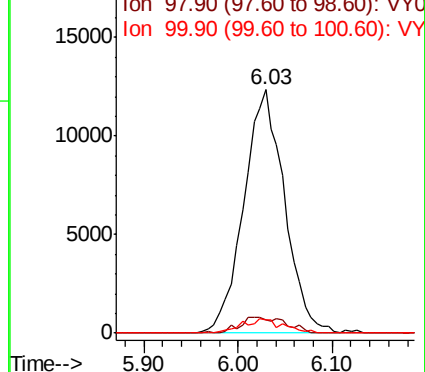
100 5.2 2.3 6.8



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

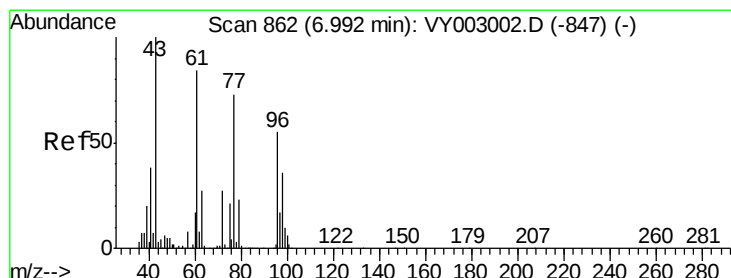
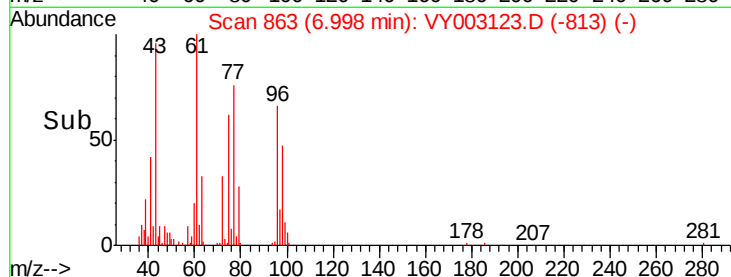
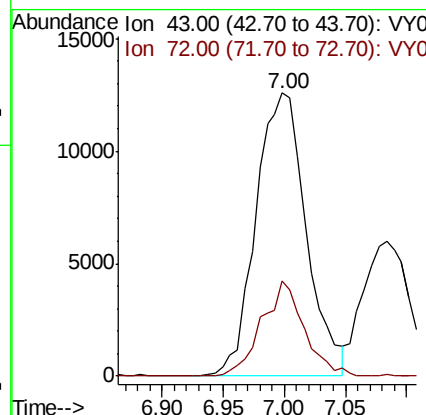
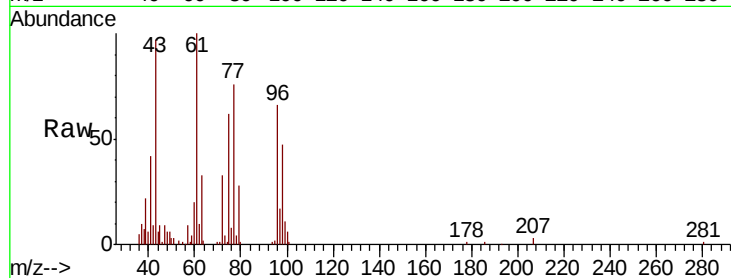




#25
2-Butanone
Concen: 23.996 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

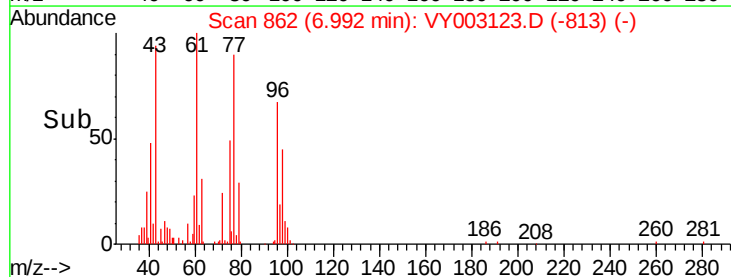
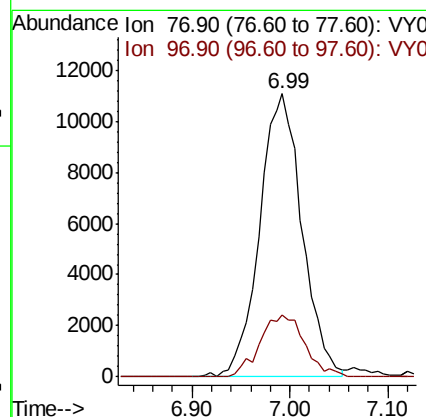
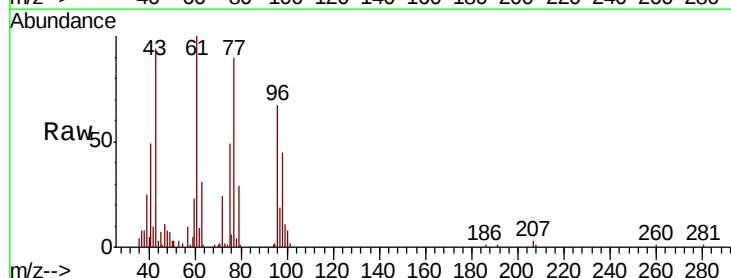
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

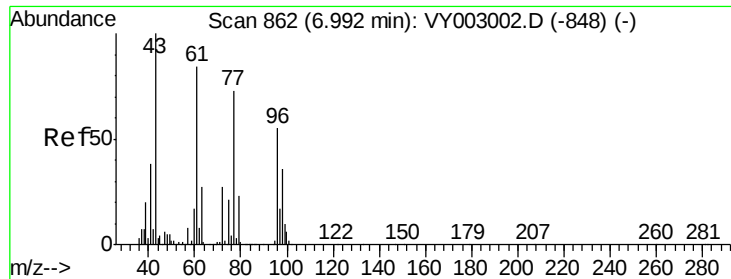
Tot Ion: 43 Resp: 36050
Ion Ratio Lower Upper
43 100
72 33.6 21.4 32.0#



#26
2,2-Dichloropropane
Concen: 5.124 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 77 Resp: 33329
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.9

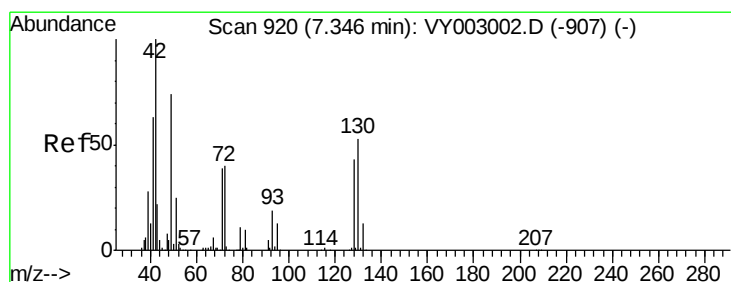
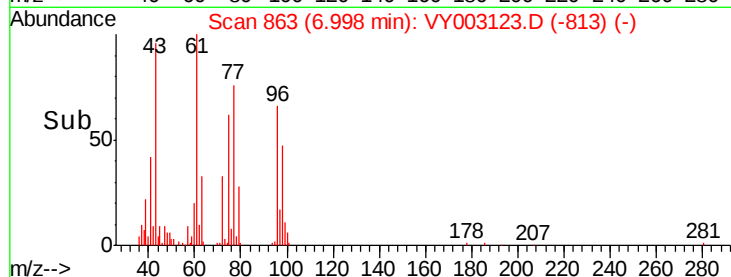
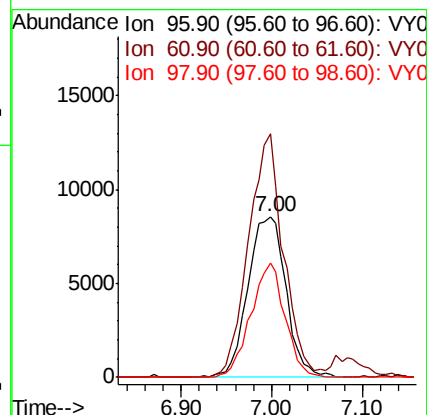
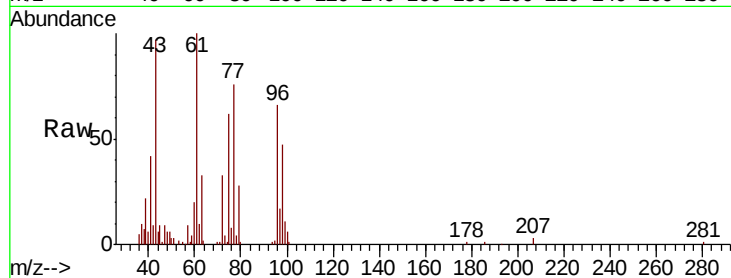




#27
 cis-1,2-Dichloroethene
 Concen: 5.611 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

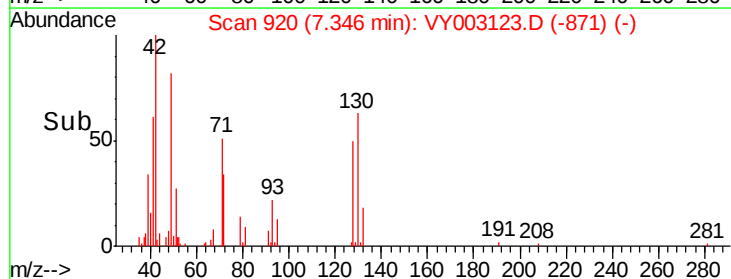
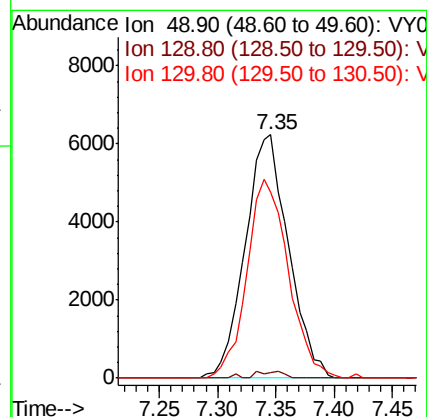
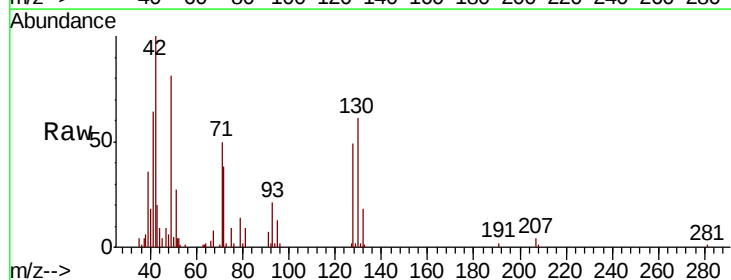
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

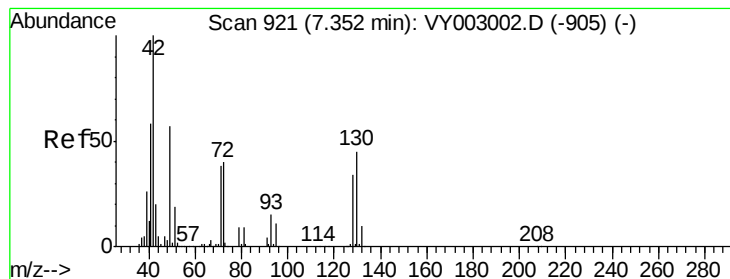
Tot Ion: 96 Resp: 24930
 Ion Ratio Lower Upper
 96 100
 61 139.0 0.0 301.2
 98 63.5 0.0 129.0



#28
 Bromochloromethane
 Concen: 5.062 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion: 49 Resp: 16124
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.4
 130 78.2 57.0 85.6





#29

Tetrahydrofuran

Concen: 24.321 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

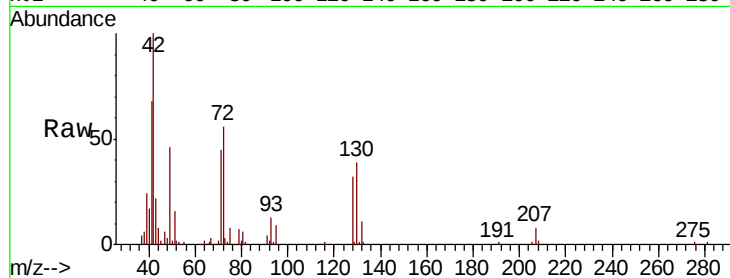
Tot Ion: 42 Resp: 24298

Ion Ratio Lower Upper

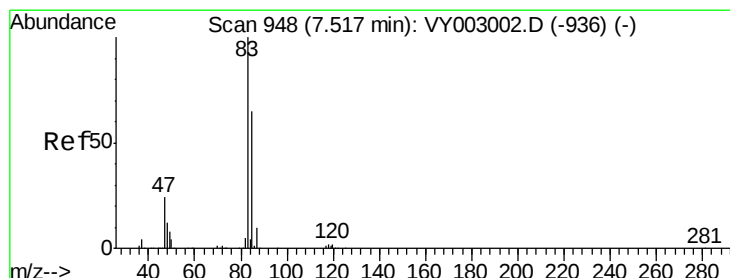
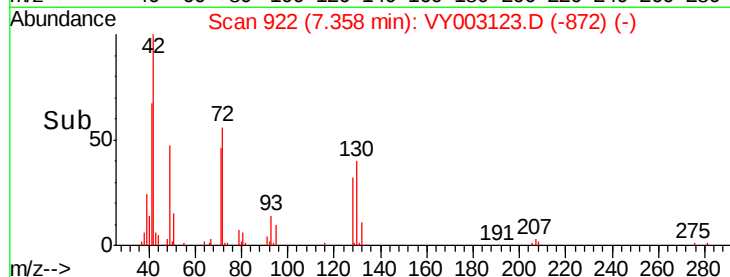
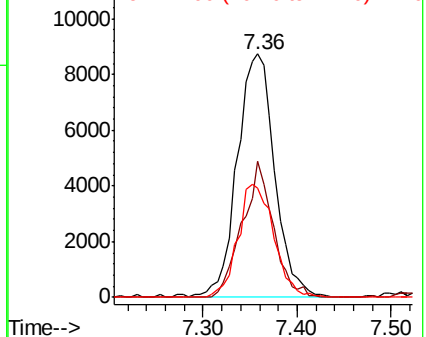
42 100

72 46.4 32.9 49.3

71 44.6 31.2 46.8



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



#30

Chloroform

Concen: 5.499 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003123.D

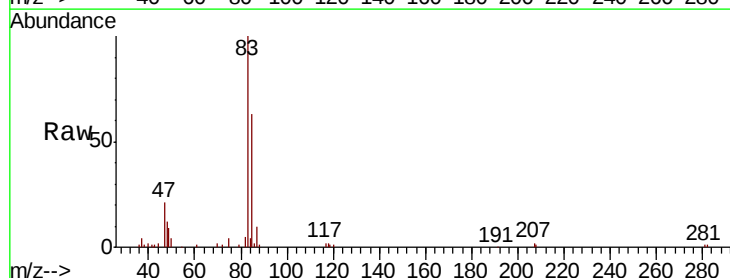
Acq: 07 Jul 2020 13:51

Tgt Ion: 83 Resp: 39003

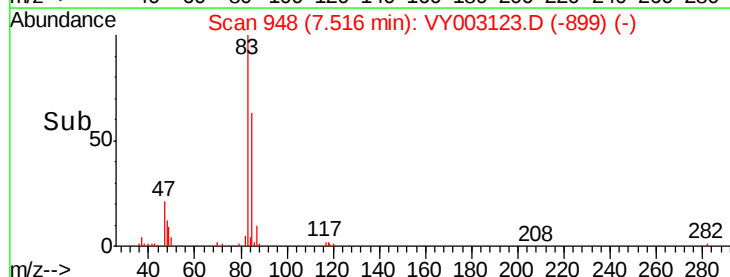
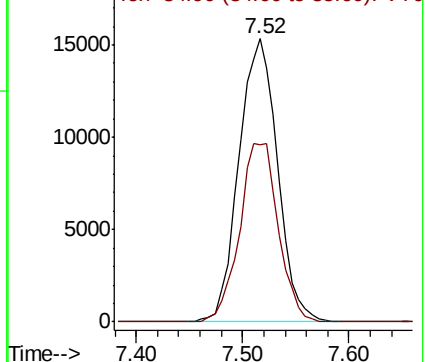
Ion Ratio Lower Upper

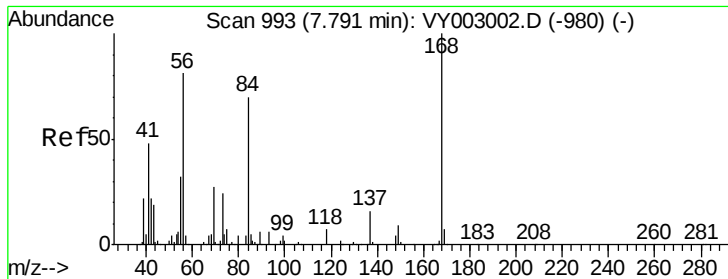
83 100

85 62.5 51.7 77.5



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





#31

Cyclohexane

Concen: 5.778 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

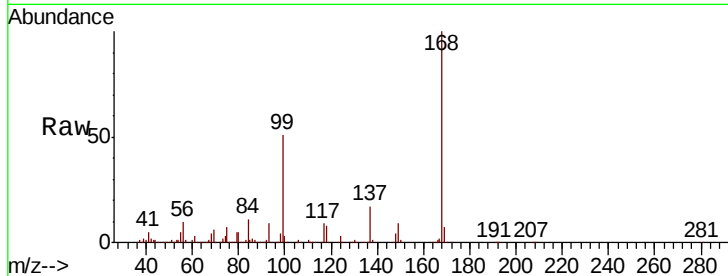
Tot Ion: 56 Resp: 40749

Ion Ratio Lower Upper

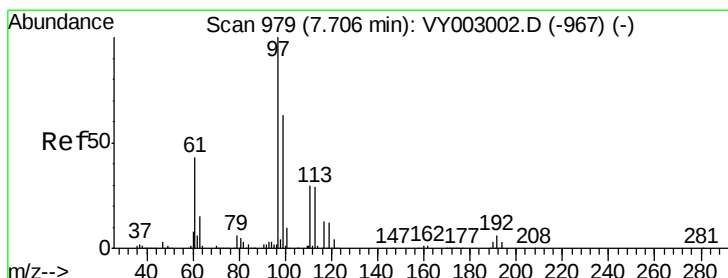
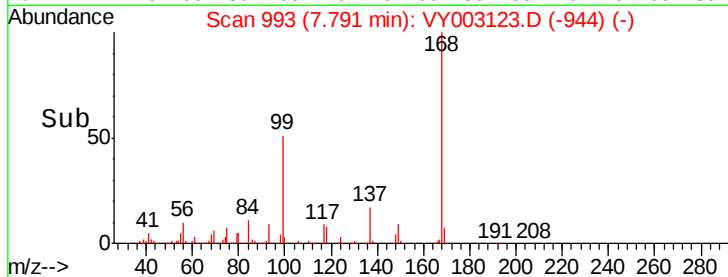
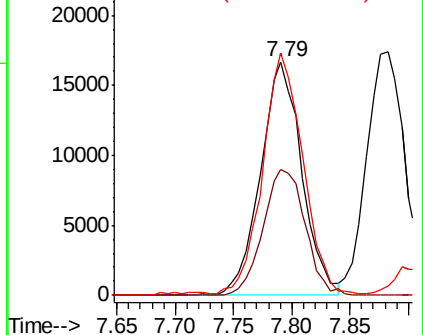
56 100

69 54.0 27.0 40.4#

84 102.2 68.1 102.1#



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



#32

1,1,1-Trichloroethane

Concen: 5.200 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

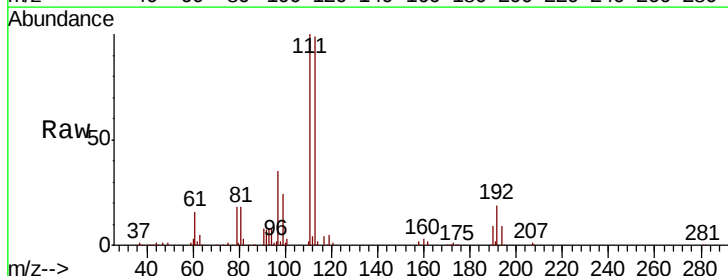
Tgt Ion: 97 Resp: 33663

Ion Ratio Lower Upper

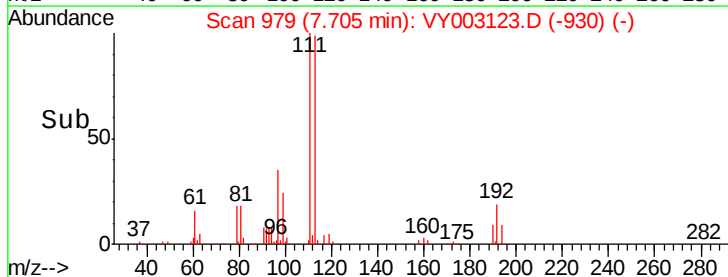
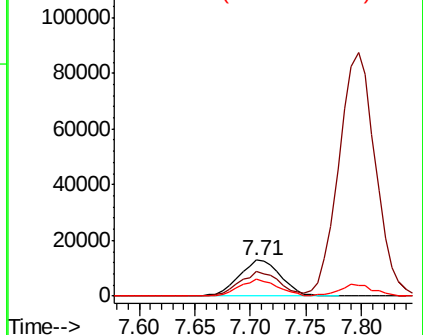
97 100

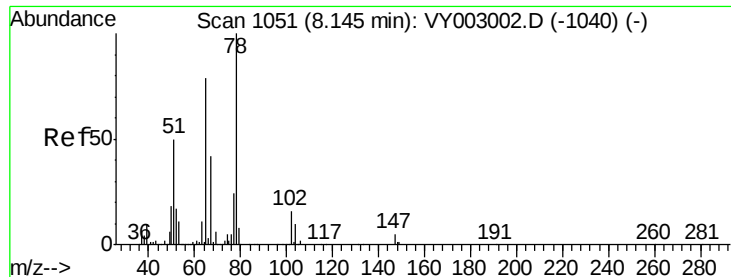
99 65.5 51.4 77.2

61 42.2 33.9 50.9



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

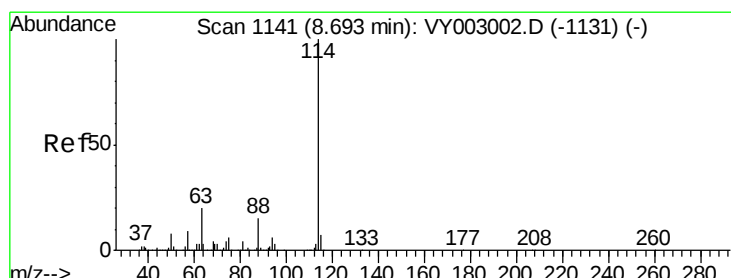
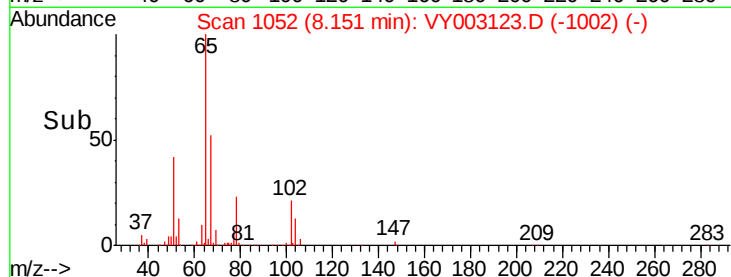
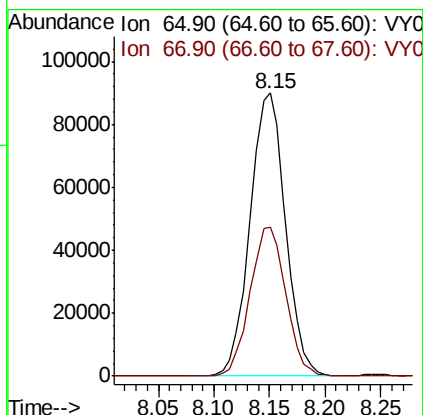
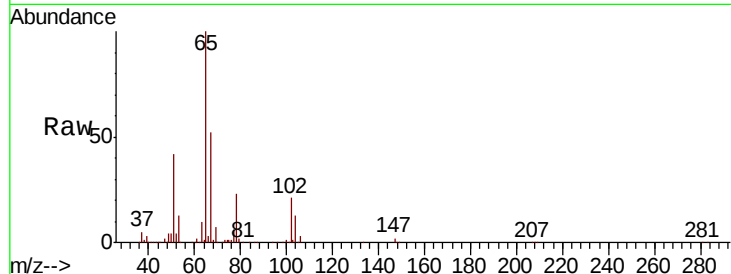




#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

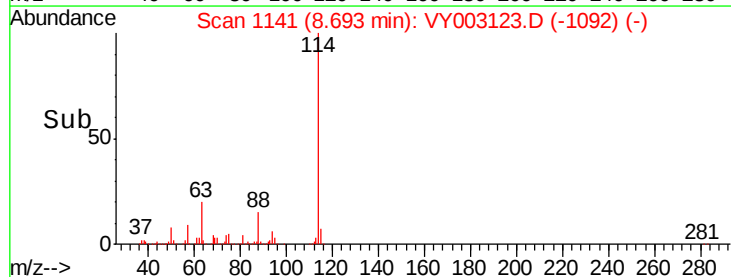
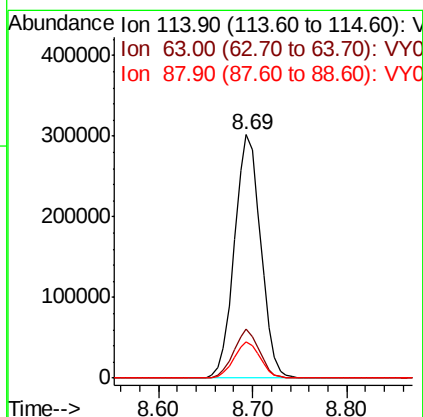
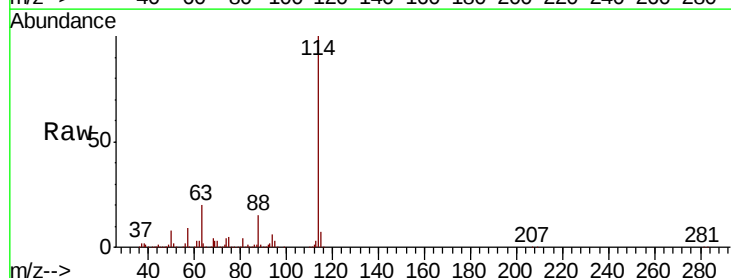
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

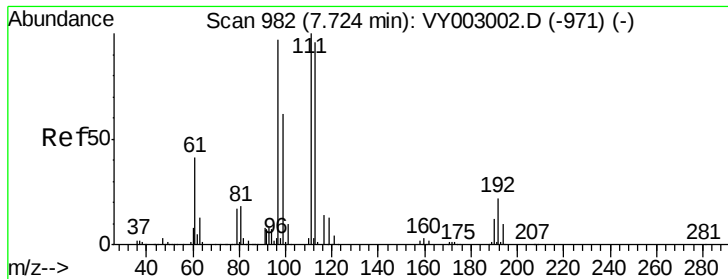
Tot Ion: 65 Resp: 199218
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion: 114 Resp: 586063
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 14.9 0.0 30.0

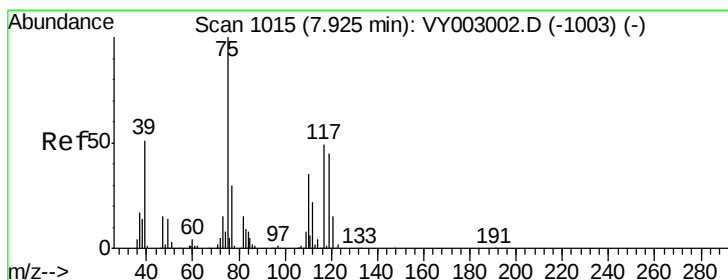
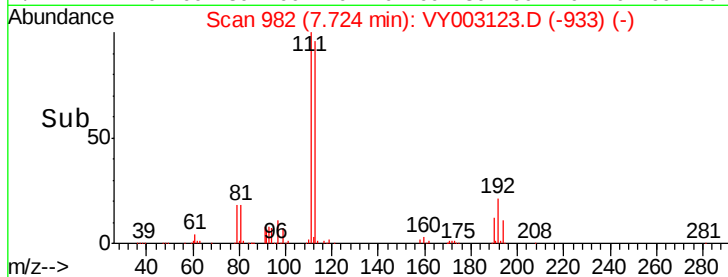
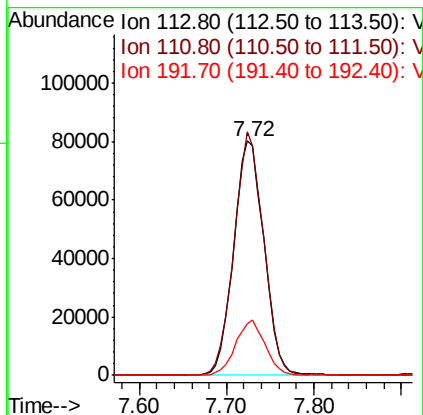
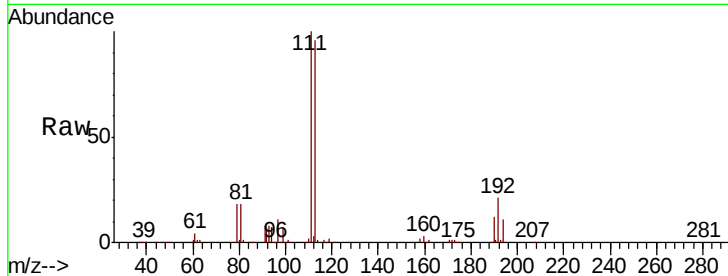




#35
 Dibromofluoromethane
 Concen: 52.875 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

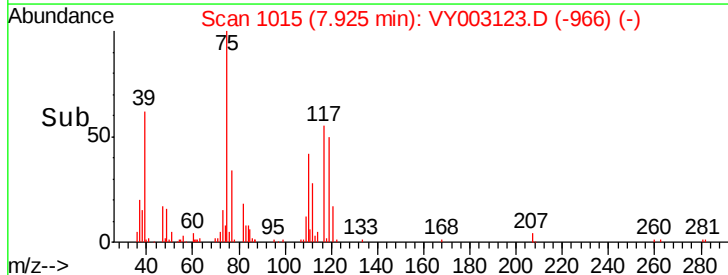
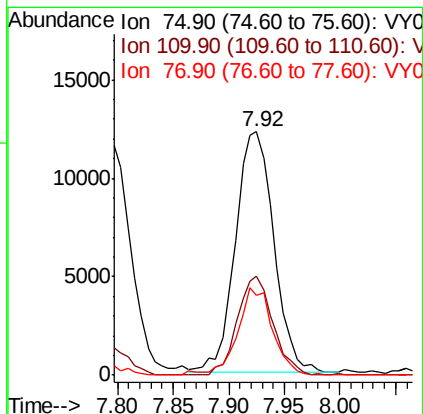
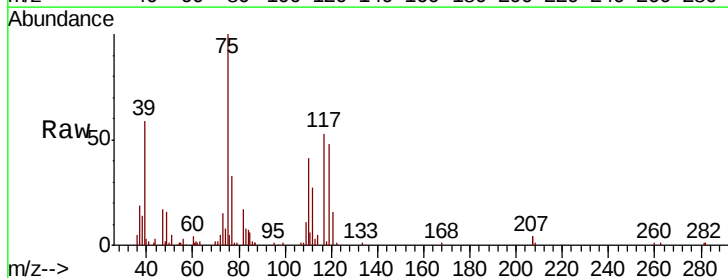
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

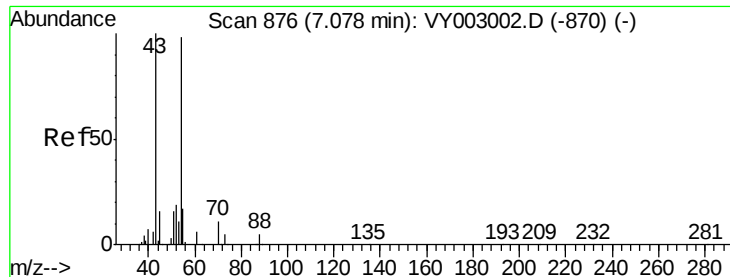
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	123.8
192	22.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.1	51.2
77	33.1	24.9	37.3

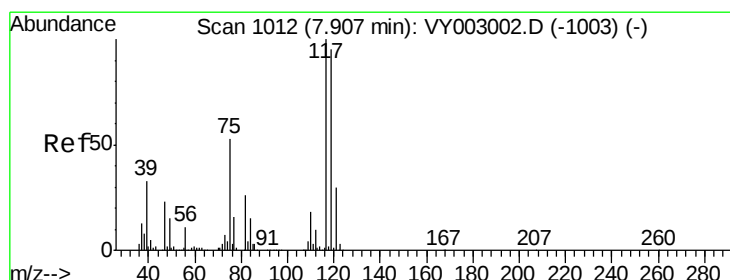
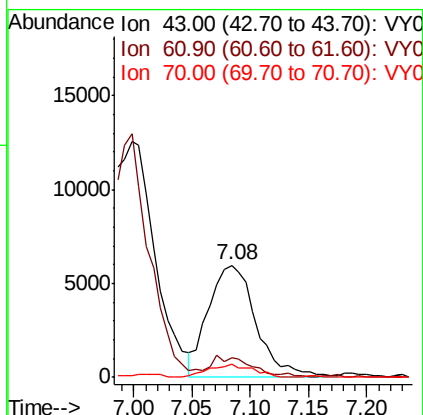
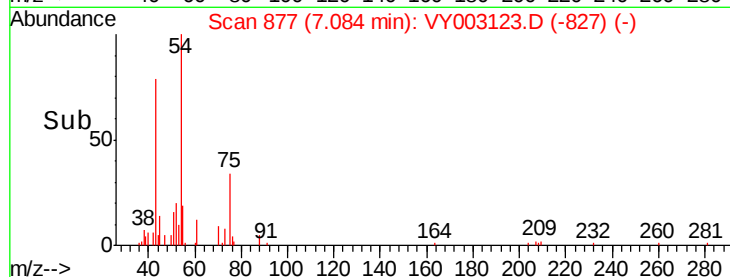
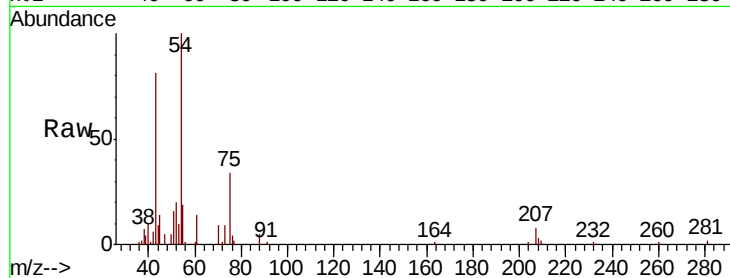




#37
Ethyl Acetate
Concen: 5.025 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

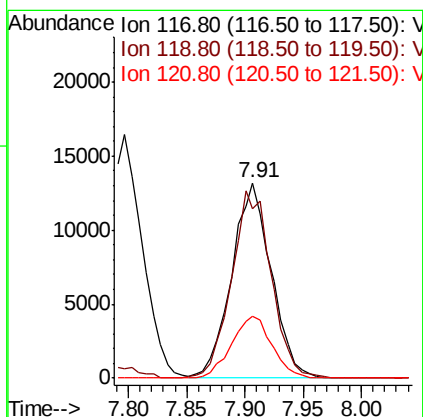
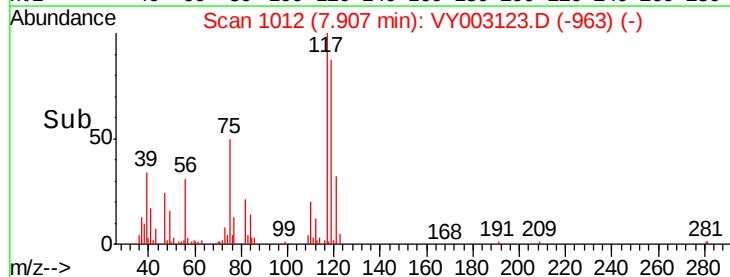
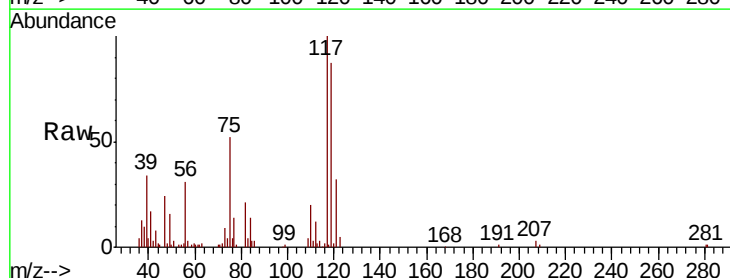
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

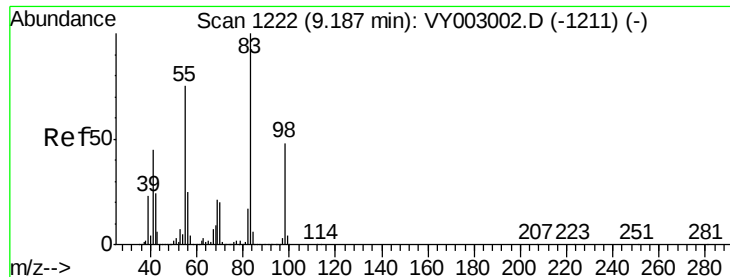
Tot Ion: 43 Resp: 17056
Ion Ratio Lower Upper
43 100
61 15.4 10.4 15.6
70 10.8 7.7 11.5



#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 117 Resp: 31207
Ion Ratio Lower Upper
117 100
119 86.5 75.7 113.5
121 31.5 23.9 35.9

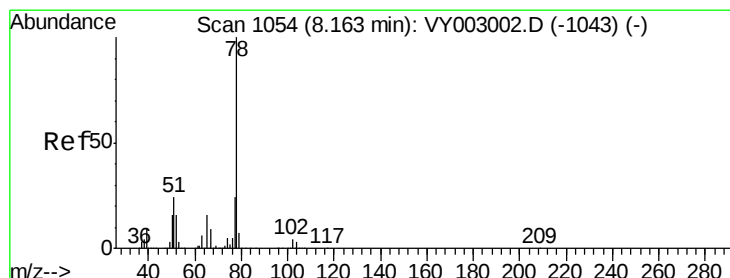
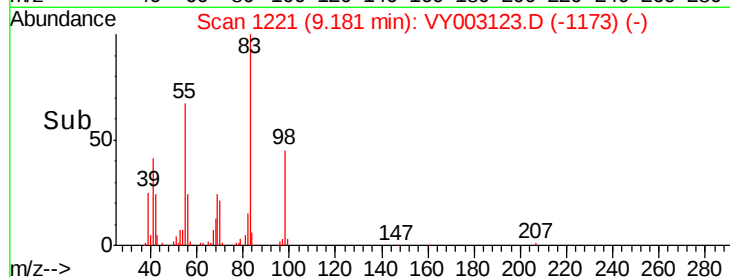
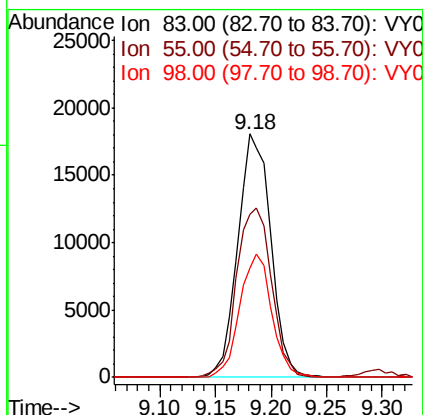
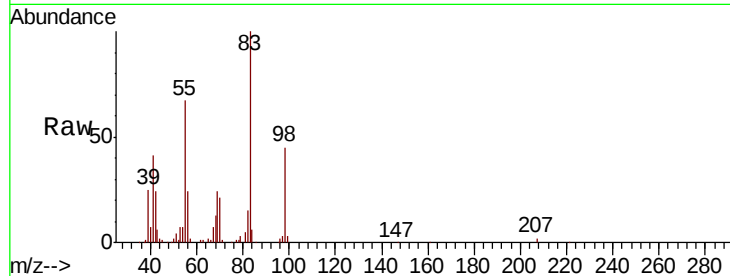




#39
Methvlcvclohexane
Concen: 5.325 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

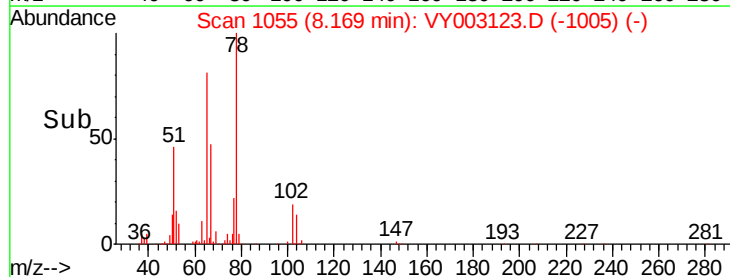
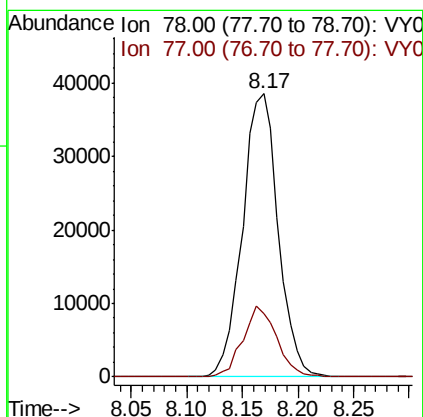
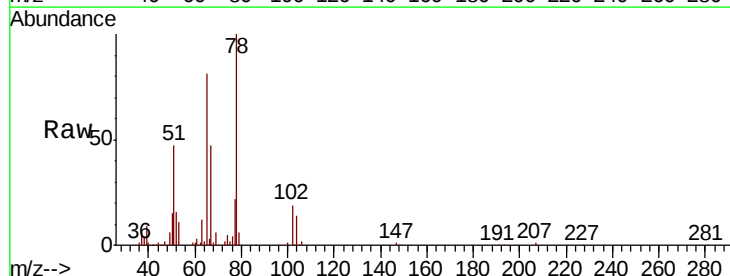
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

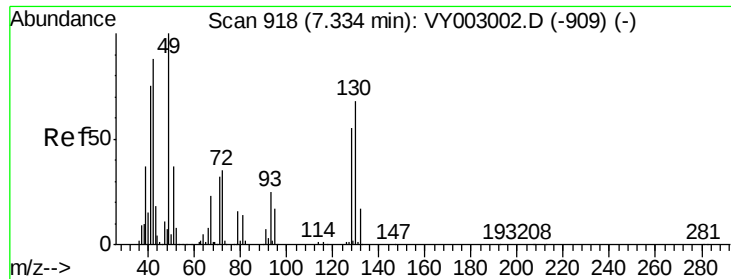
Tot Ion	83	Resp	37269
Ion Ratio	Lower	Upper	
83	100		
55	66.9	59.9	89.9
98	45.0	38.7	58.1



#40
Benzene
Concen: 5.559 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	78	Resp	85913
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.2	28.8

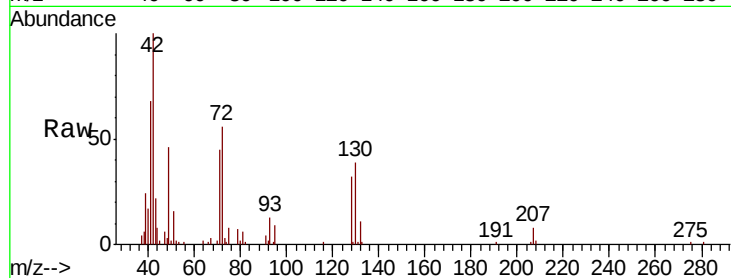




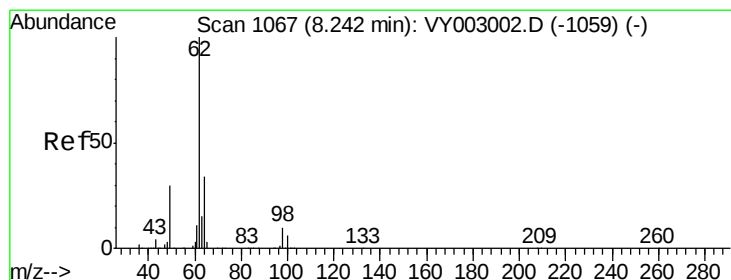
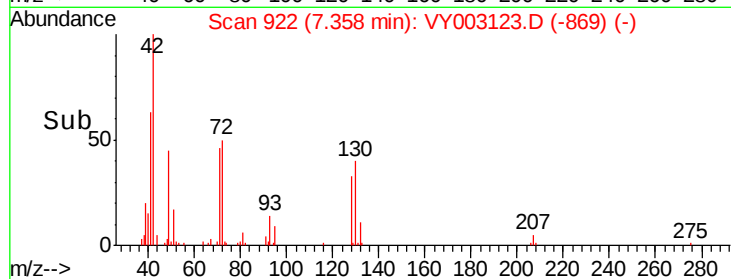
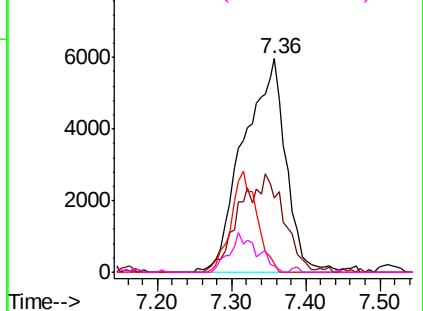
#41
Methacrylonitrile
Concen: 13.100 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 41 Resp: 23752
Ion Ratio Lower Upper
41 100
39 0.0 85.7 128.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

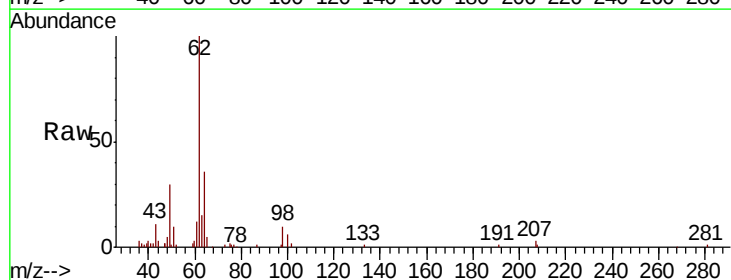


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

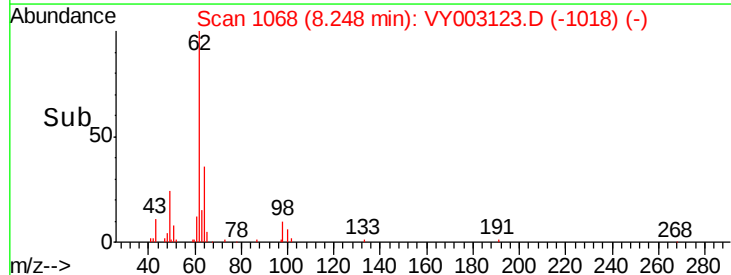
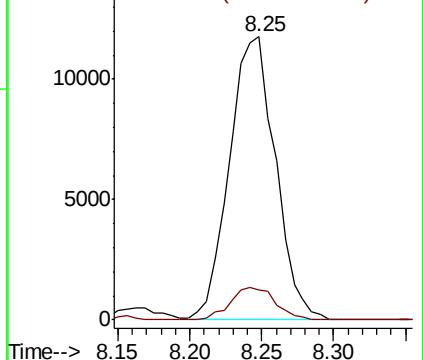


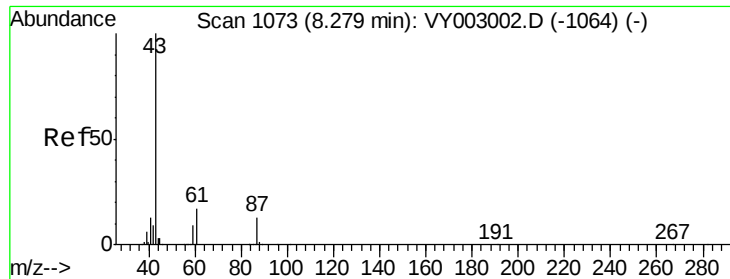
#42
1,2-Dichloroethane
Concen: 5.354 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 62 Resp: 26176
Ion Ratio Lower Upper
62 100
98 11.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

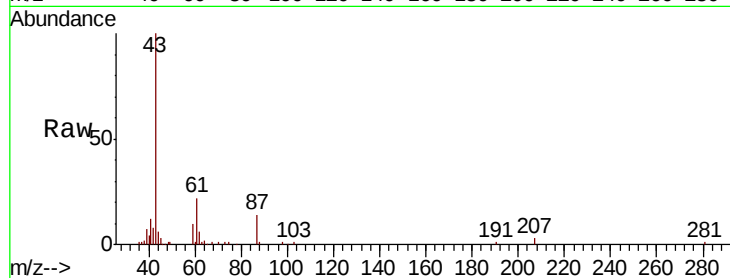




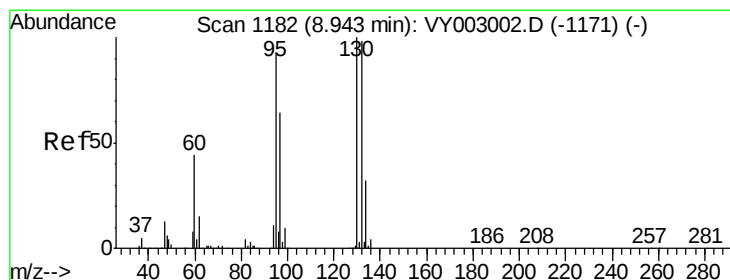
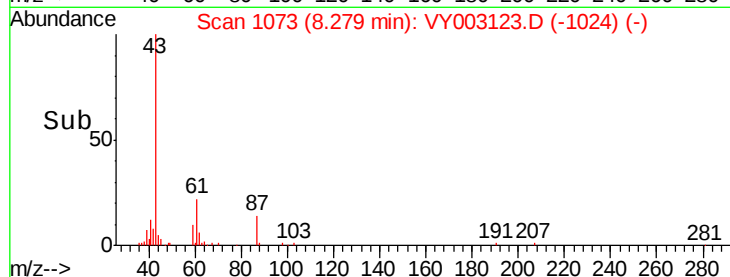
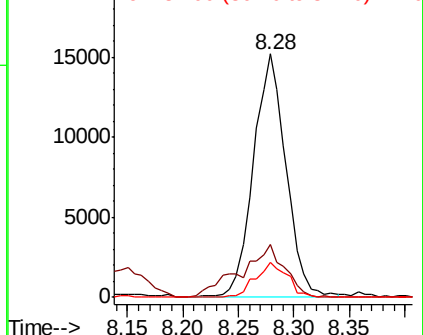
#43
Isopropyl Acetate
Concen: 4.815 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	43	Resp	31066
Ion Ratio	100	Lower	Upper
61	29.4	21.8	32.6
87	14.1	10.1	15.1

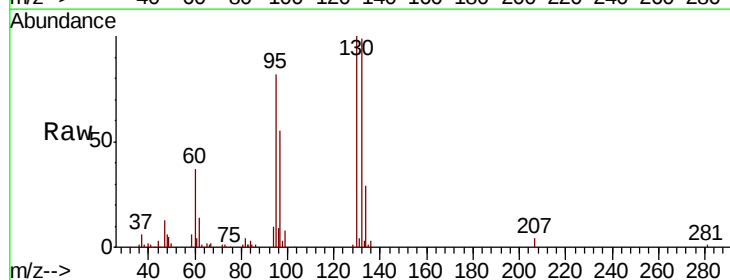


Abundance Ion 43.00 (42.70 to 43.70): VY003123.D (-1073) (-)

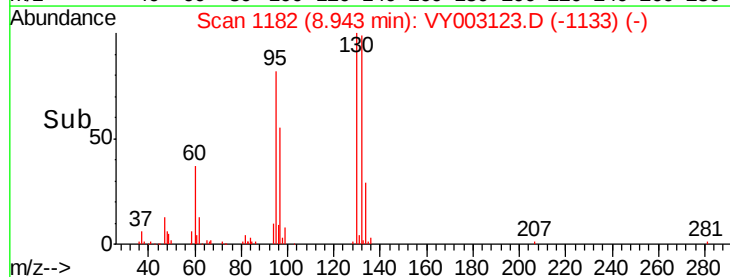
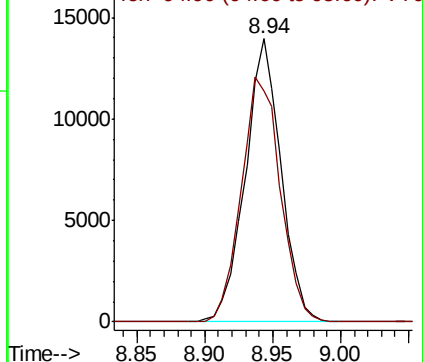


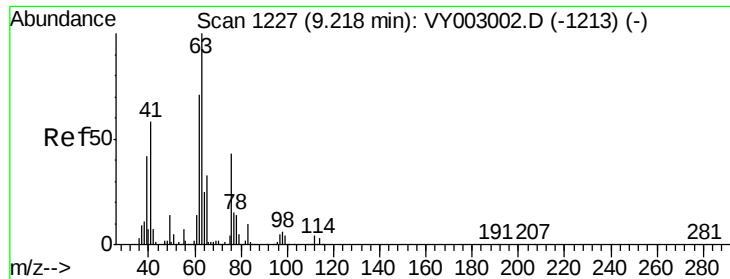
#44
Trichloroethene
Concen: 5.708 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	130	Resp	25640
Ion Ratio	100	Lower	Upper
95	81.6	0.0	186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003123.D (-1182) (-)





#45

1,2-Dichloropropane

Concen: 5.431 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

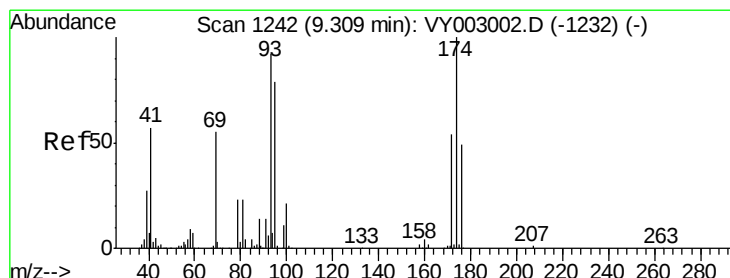
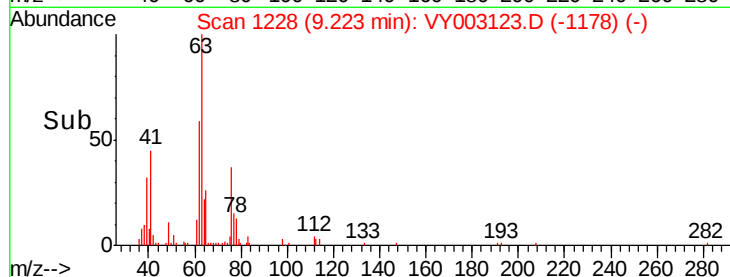
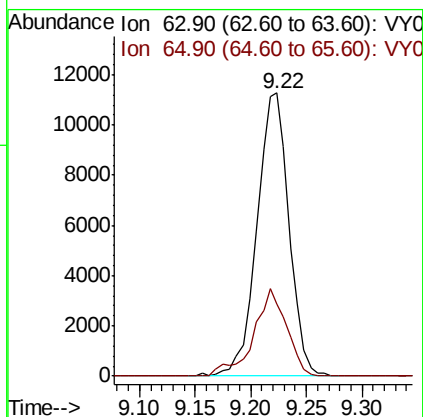
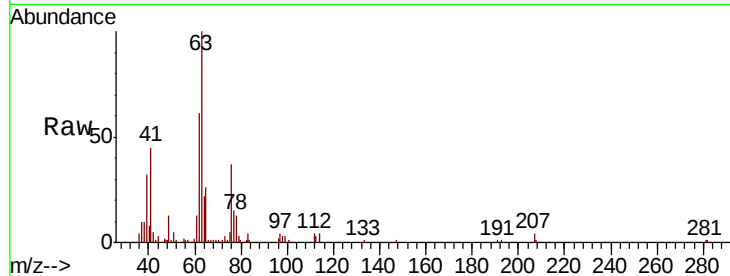
LOQ-SOIL-02-QT3-2020

Tot Ion: 63 Resp: 22581

Ion Ratio Lower Upper

63 100

65 25.6 26.2 39.4#



#46

Dibromomethane

Concen: 5.555 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

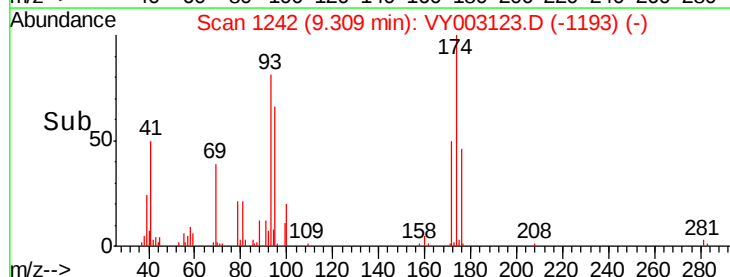
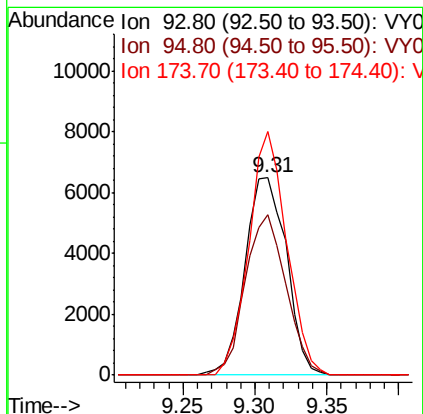
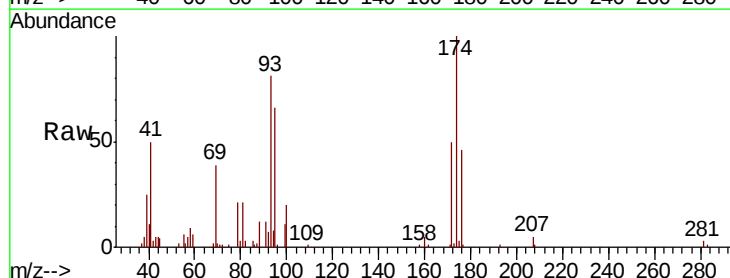
Tgt Ion: 93 Resp: 12900

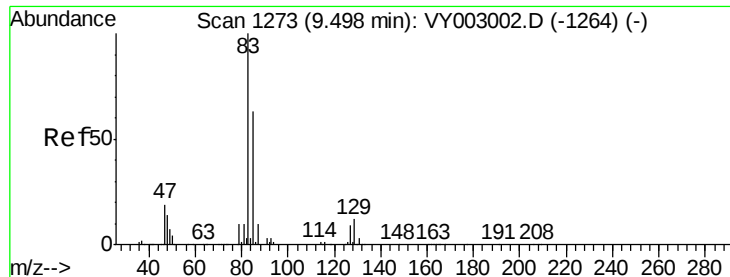
Ion Ratio Lower Upper

93 100

95 80.1 67.6 101.4

174 112.8 88.3 132.5





#47

Bromodichloromethane

Concen: 5.265 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

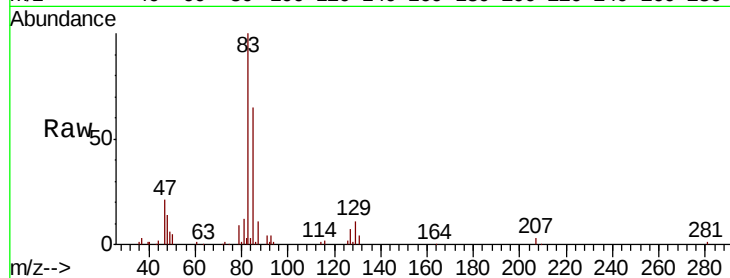
Tot Ion: 83 Resp: 29941

Ion Ratio Lower Upper

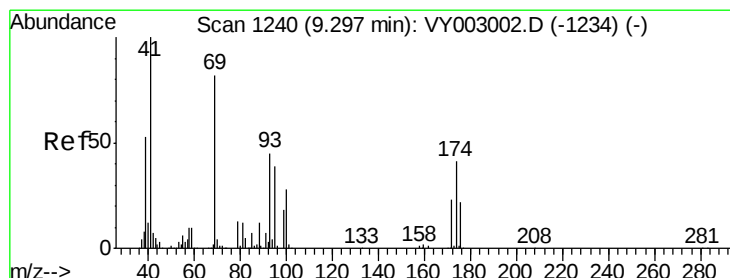
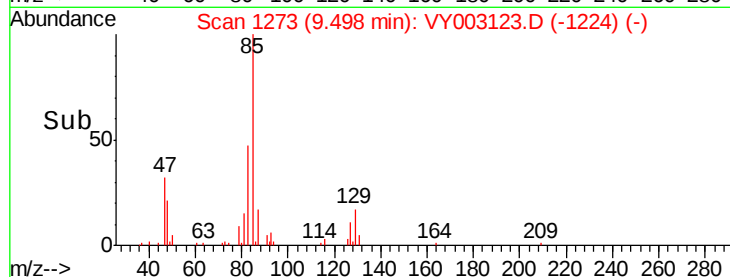
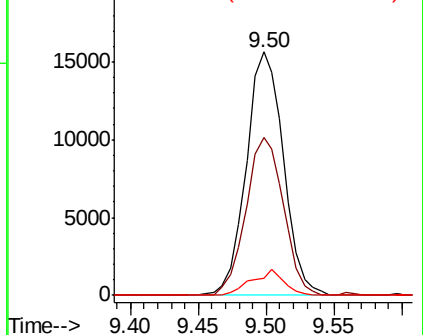
83 100

85 65.1 50.5 75.7

127 7.2 7.0 10.4



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): V



#48

Methyl methacrylate

Concen: 4.764 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

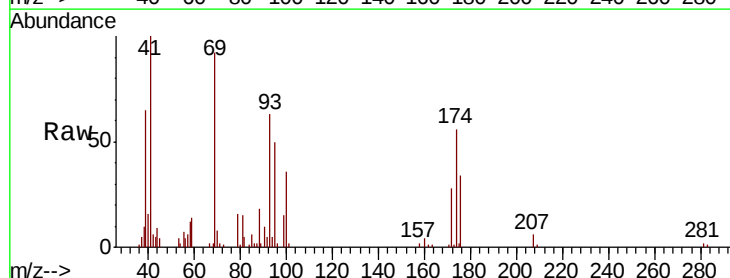
Tgt Ion: 41 Resp: 13992

Ion Ratio Lower Upper

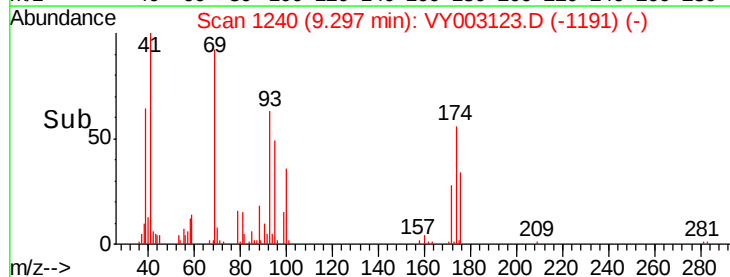
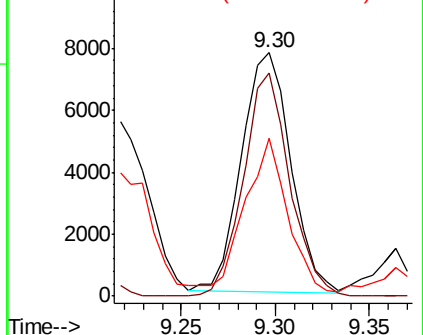
41 100

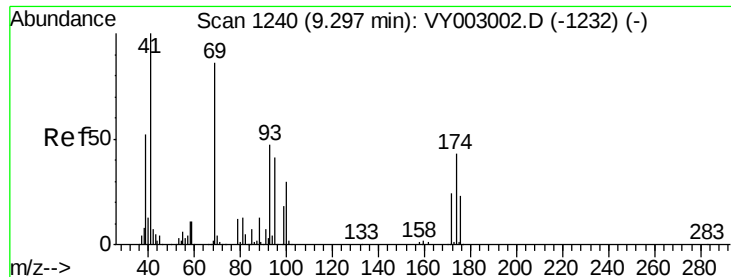
69 87.8 67.7 101.5

39 54.2 45.0 67.4



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

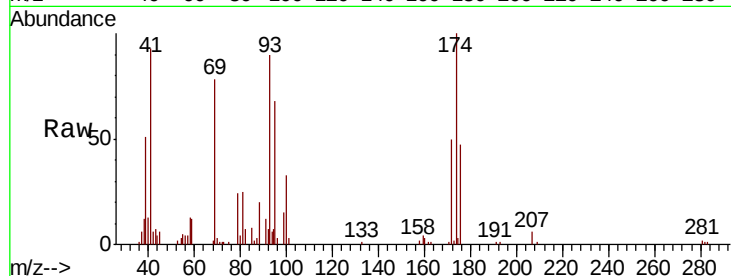




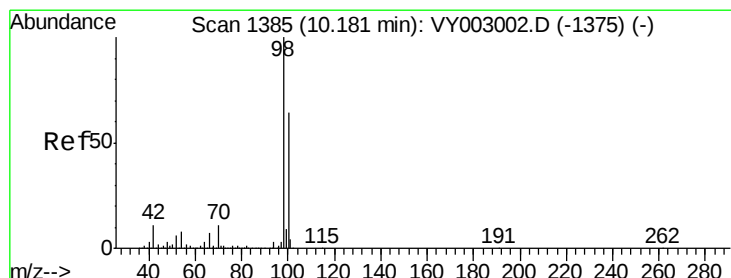
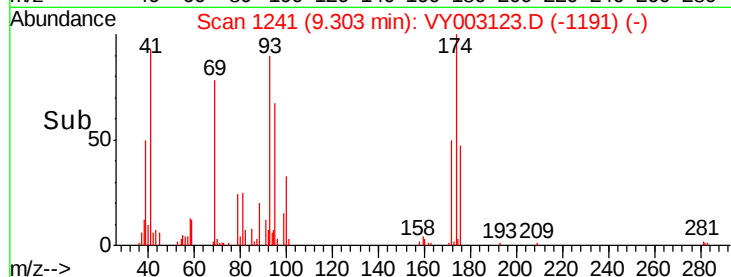
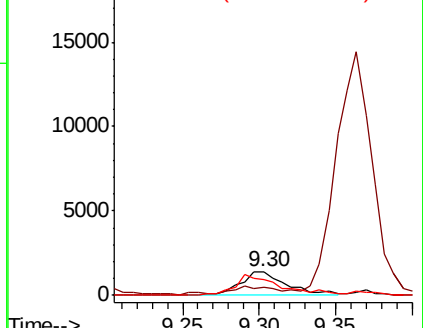
#49
1,4-Dioxane
Concen: 105.051 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 88 Resp: 2978
Ion Ratio Lower Upper
88 100
43 32.5 28.6 42.8
58 85.6 56.7 85.1#

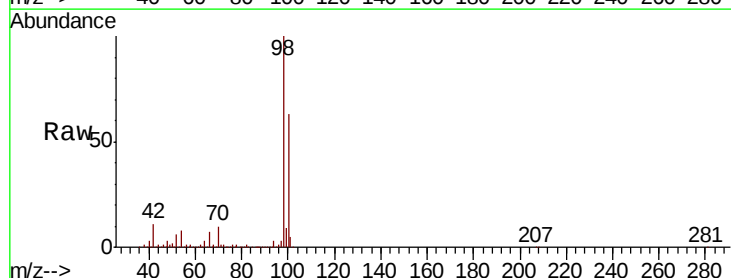


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

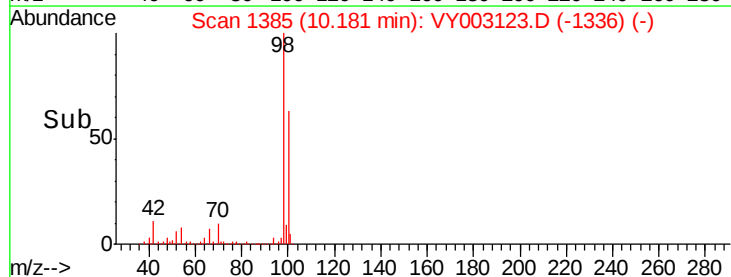
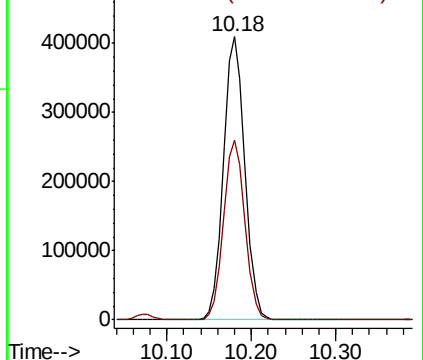


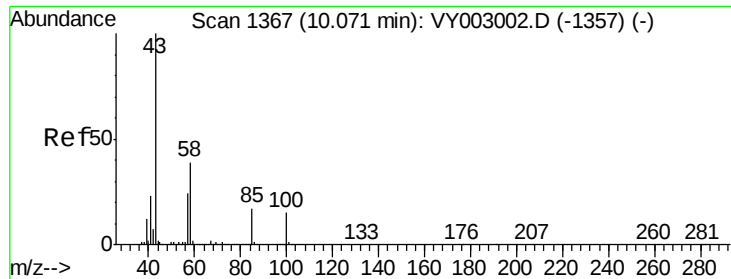
#50
Toluene-d8
Concen: 52.469 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 98 Resp: 714636
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



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: 24.122 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

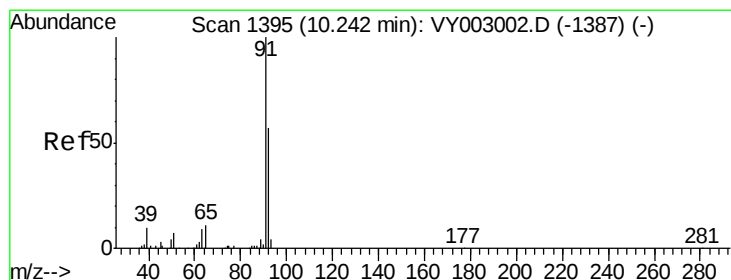
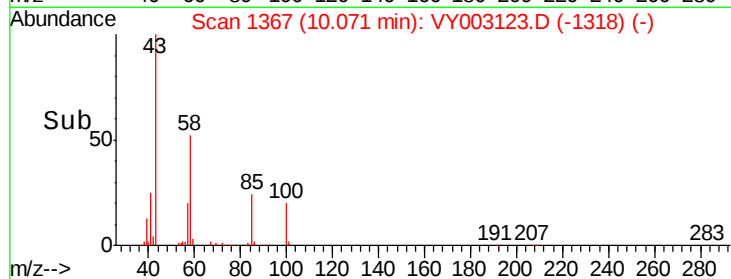
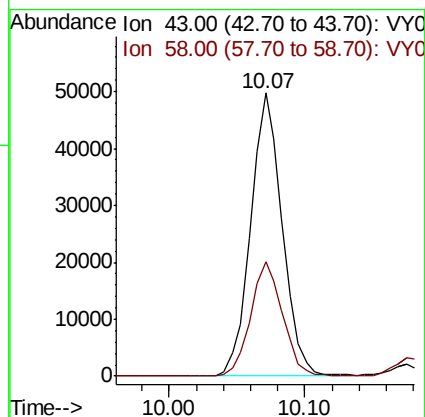
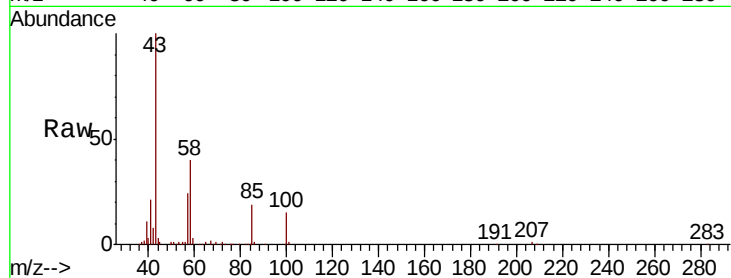
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 80447

Ion Ratio Lower Upper

43 100

58 41.1 31.1 46.7



#52

Toluene

Concen: 5.402 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003123.D

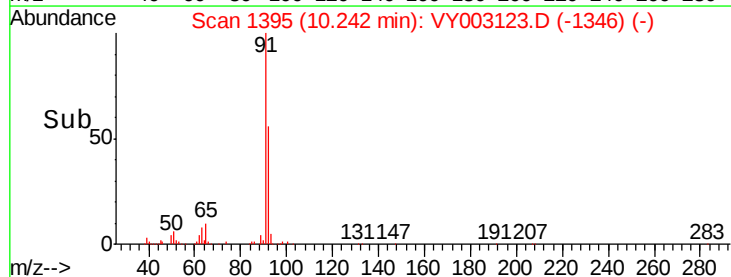
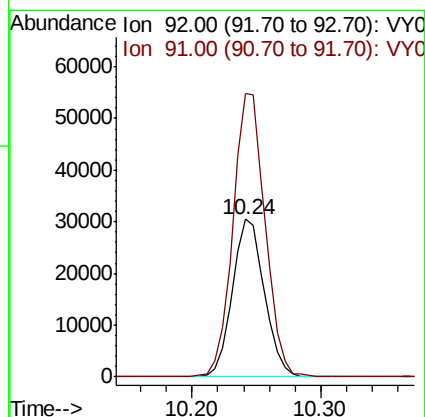
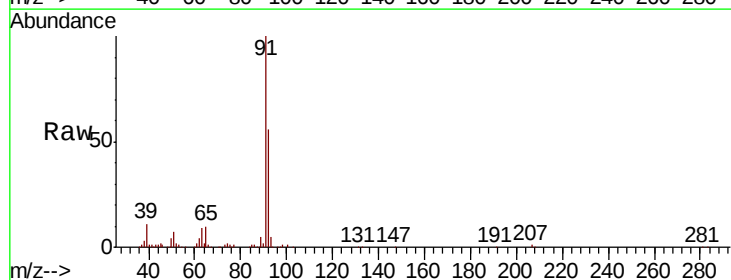
Acq: 07 Jul 2020 13:51

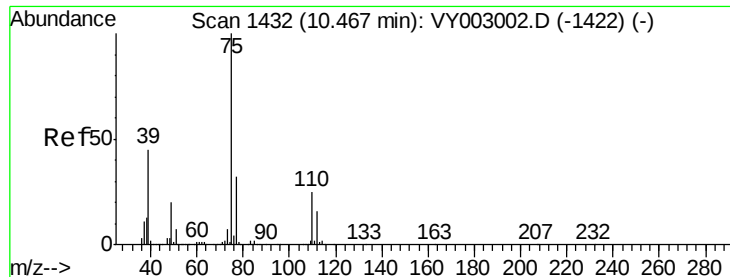
Tgt Ion: 92 Resp: 52556

Ion Ratio Lower Upper

92 100

91 181.3 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 4.876 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

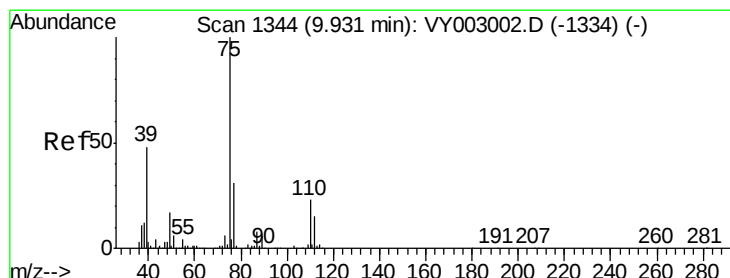
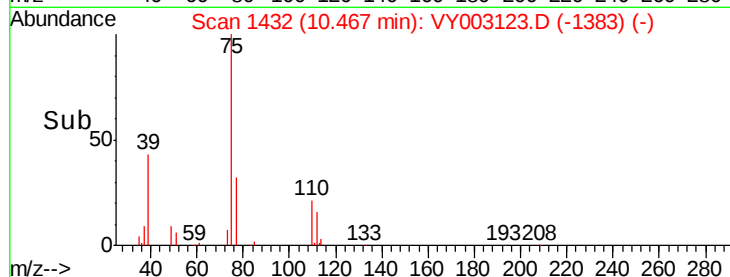
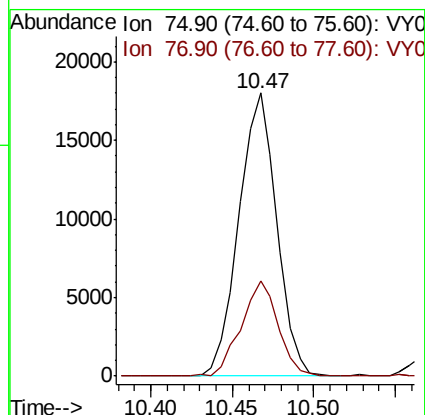
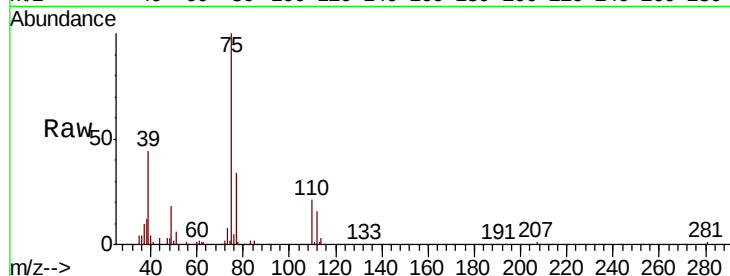
LOQ-SOIL-02-QT3-2020

Tot Ion: 75 Resp: 29068

Ion Ratio Lower Upper

75 100

77 33.8 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 5.098 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

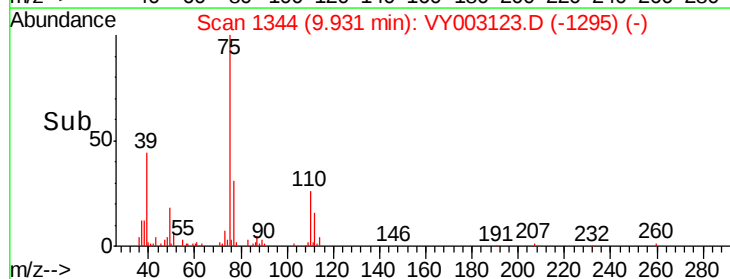
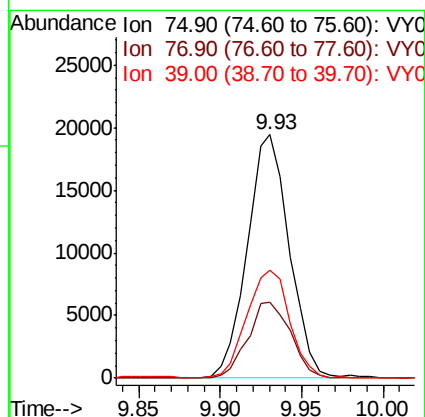
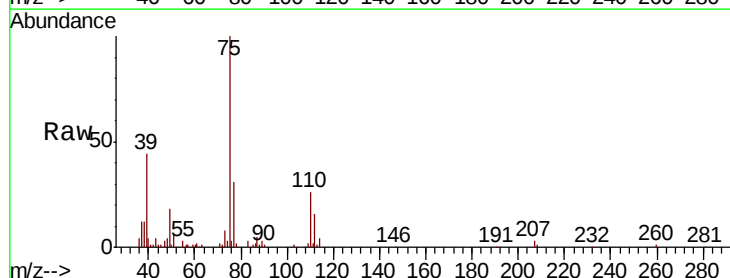
Tgt Ion: 75 Resp: 34757

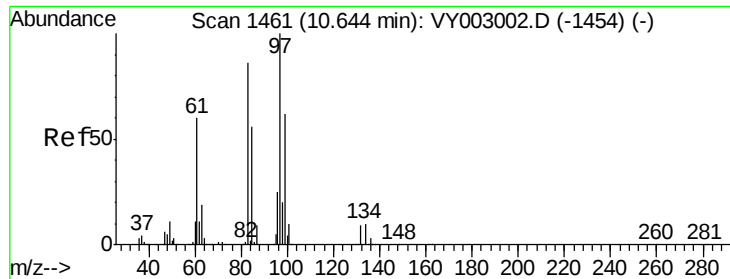
Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0

39 44.2 38.3 57.5

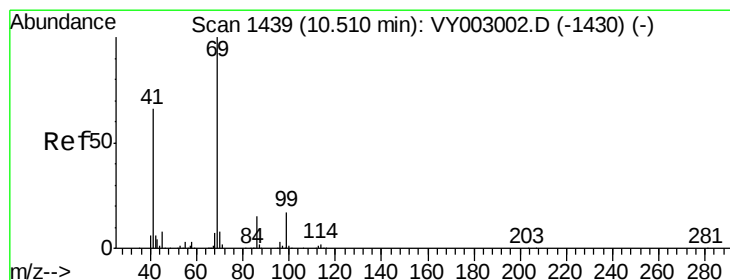
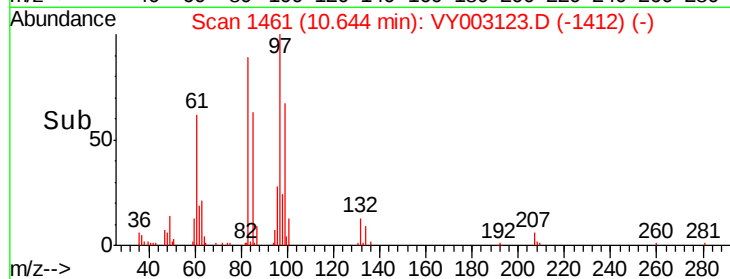
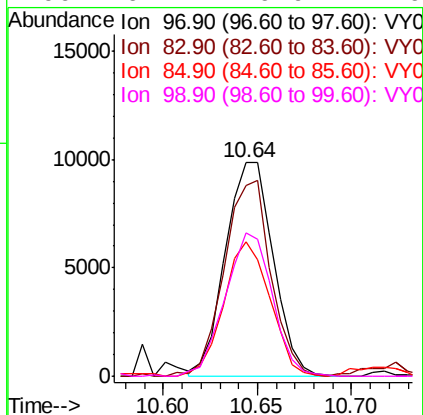
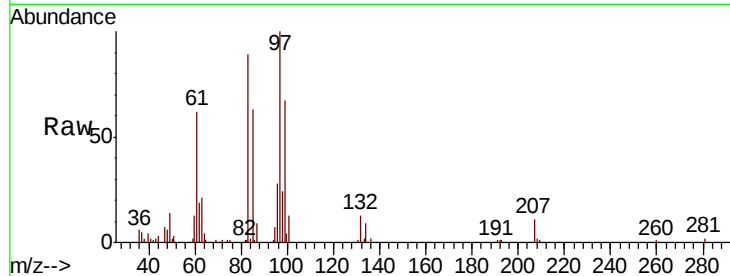




#55
 1,1,2-Trichloroethane
 Concen: 5.405 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

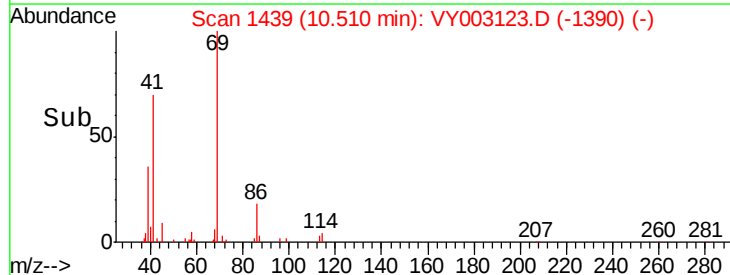
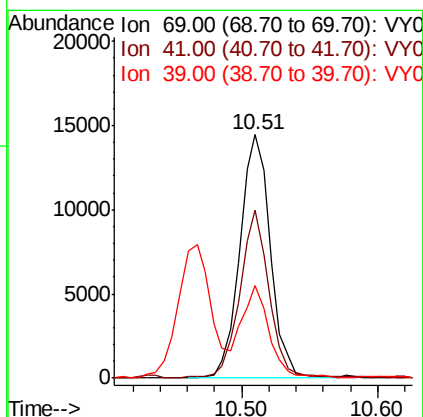
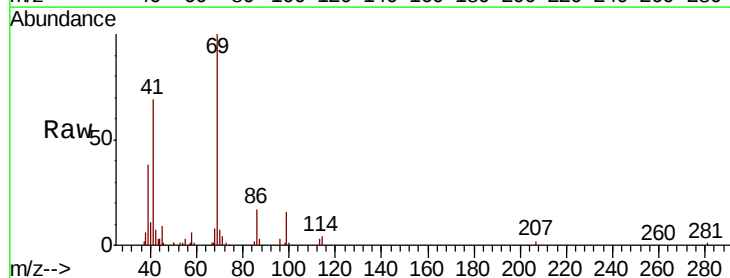
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

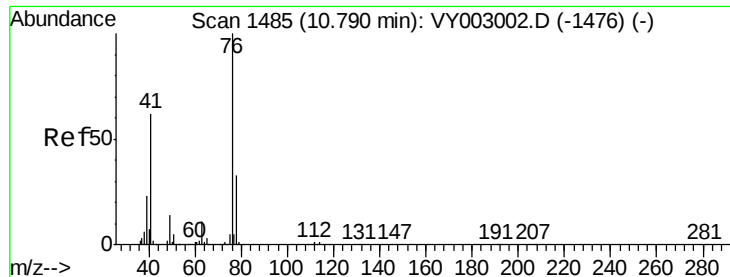
Tot Ion:	97	Resp:	17442
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	61.9	44.8	67.2
99	67.4	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 4.828 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:	69	Resp:	22555
Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.7	80.5
39	34.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 5.346 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

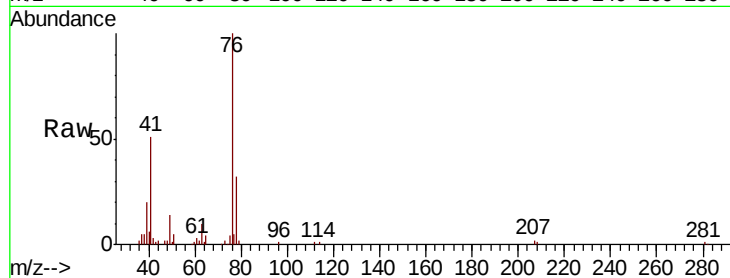
LOQ-SOIL-02-QT3-2020

Tot Ion: 76 Resp: 30286

Ion Ratio Lower Upper

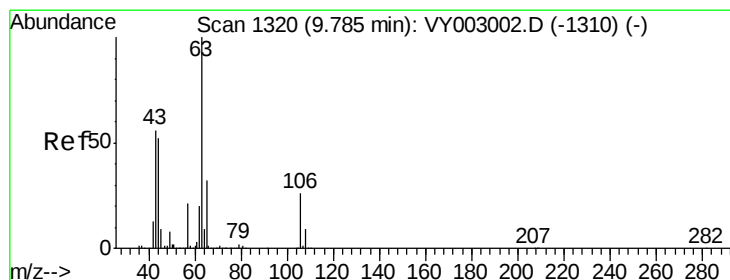
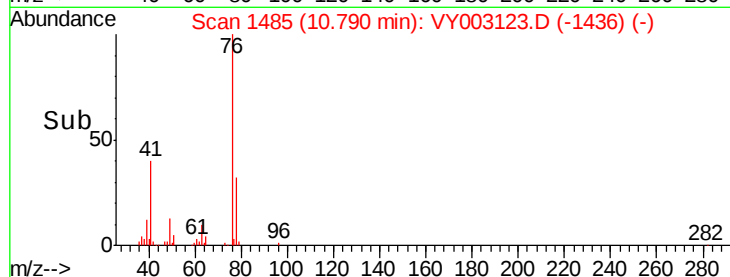
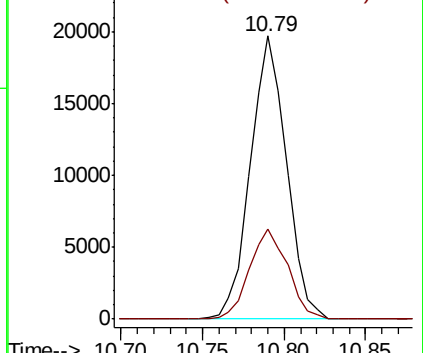
76 100

78 33.7 26.0 39.0



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: 25.398 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003123.D

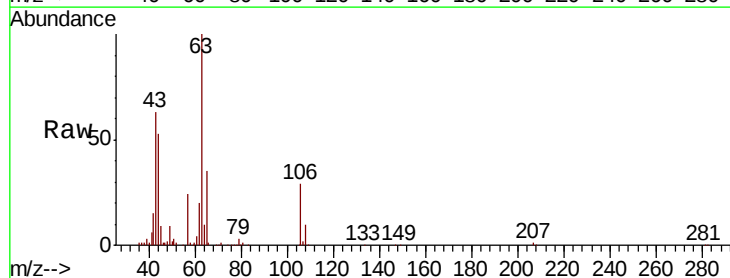
Acq: 07 Jul 2020 13:51

Tgt Ion: 63 Resp: 60847

Ion Ratio Lower Upper

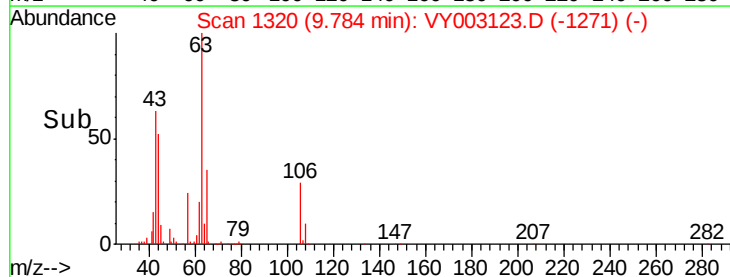
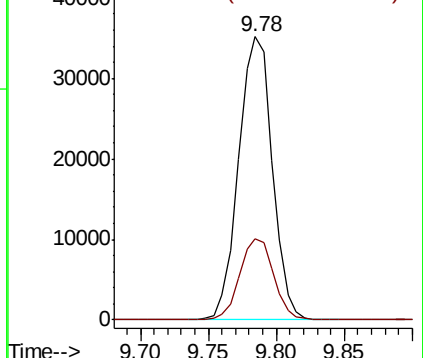
63 100

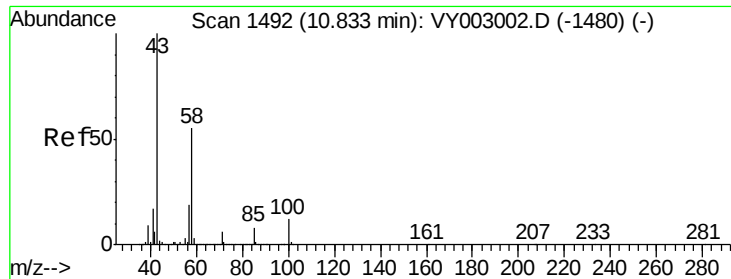
106 28.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

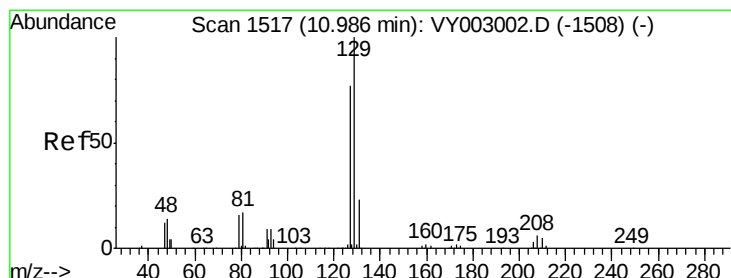
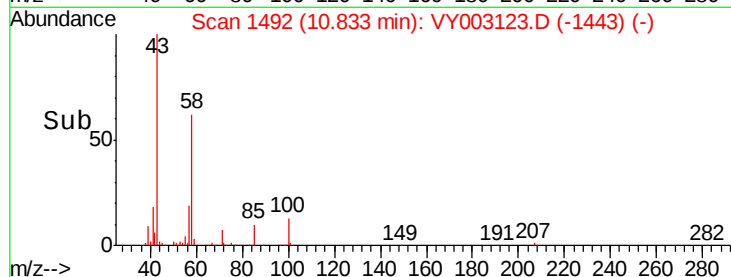
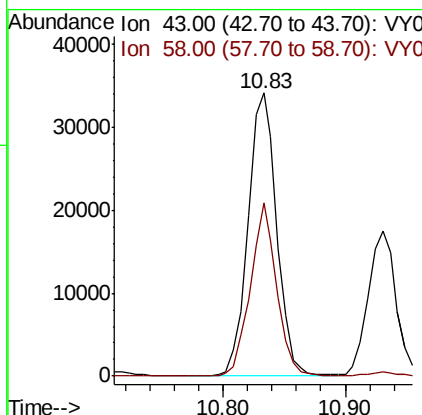
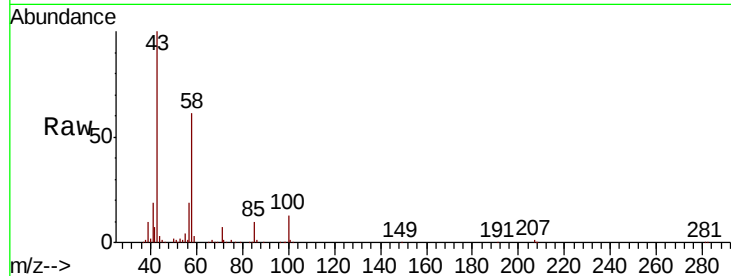




#59
2-Hexanone
Concen: 23.928 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

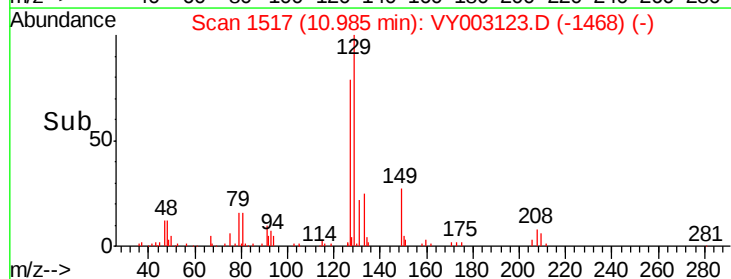
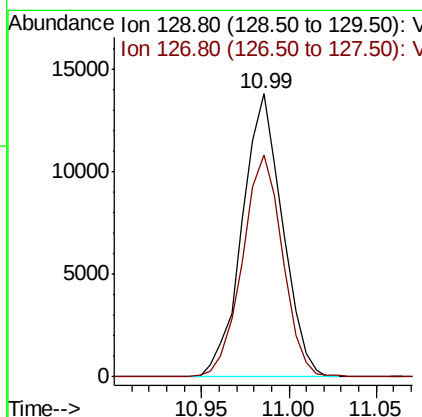
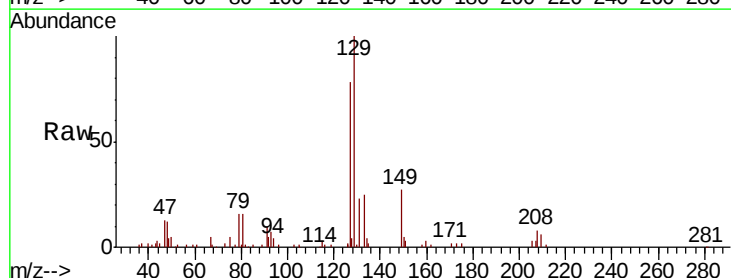
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

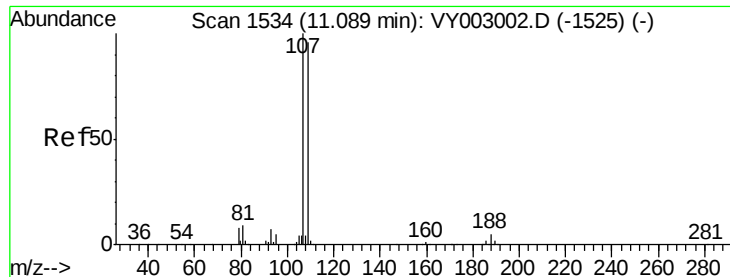
Tot Ion: 43 Resp: 55778
Ion Ratio Lower Upper
43 100
58 56.1 27.5 82.4



#60
Dibromochloromethane
Concen: 5.332 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 129 Resp: 22018
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

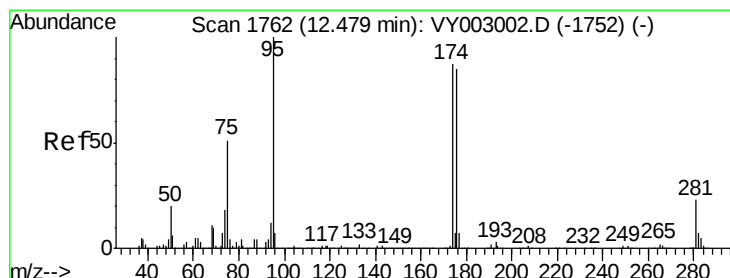
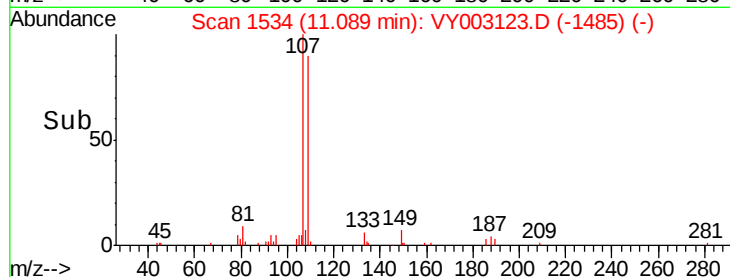
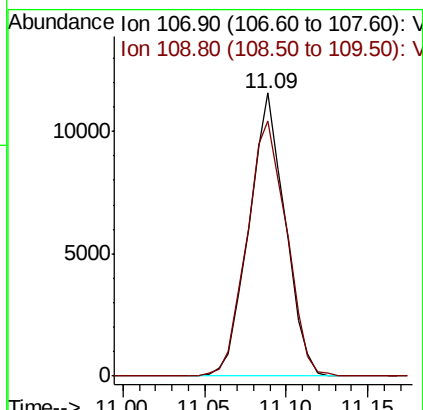
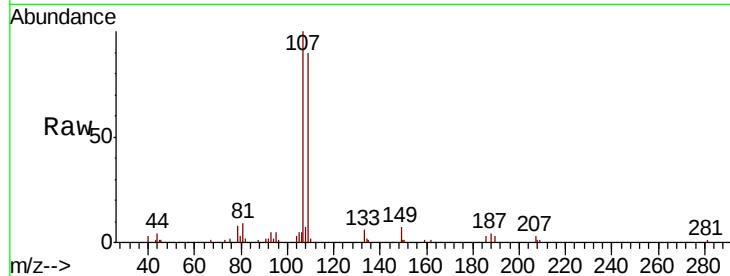




#61
 1,2-Dibromoethane
 Concen: 5.628 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

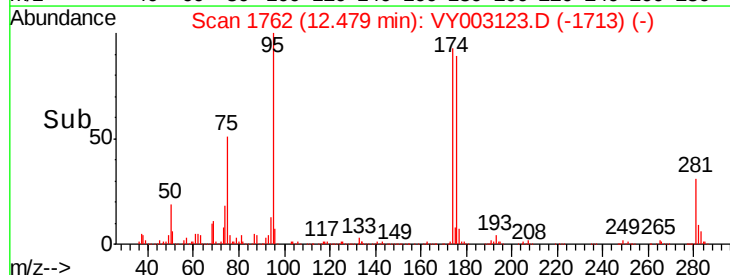
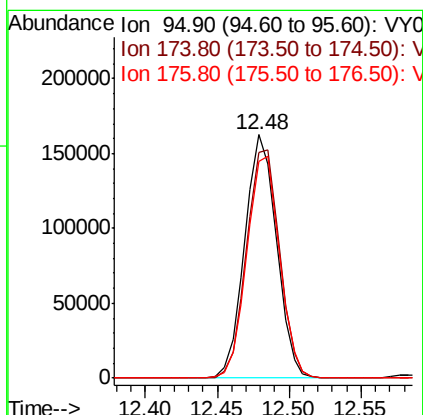
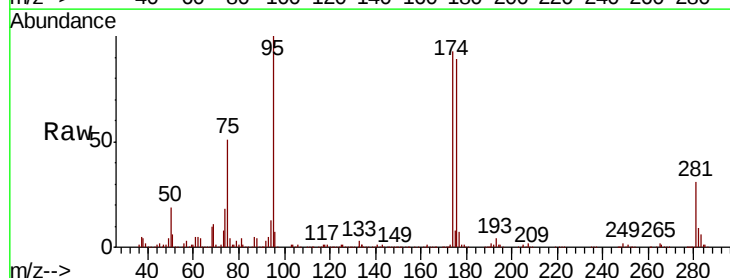
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

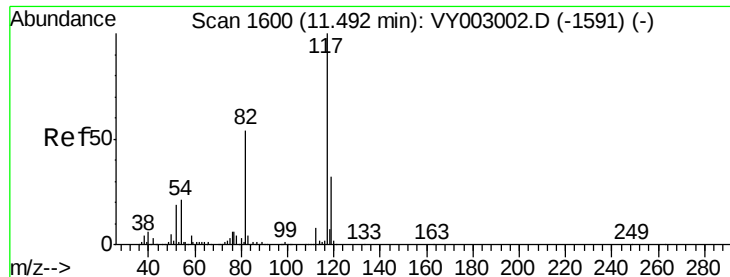
Tot Ion:107 Resp: 17904
 Ion Ratio Lower Upper
 107 100
 109 98.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.873 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion: 95 Resp: 248693
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 184.8
 176 93.6 0.0 183.0

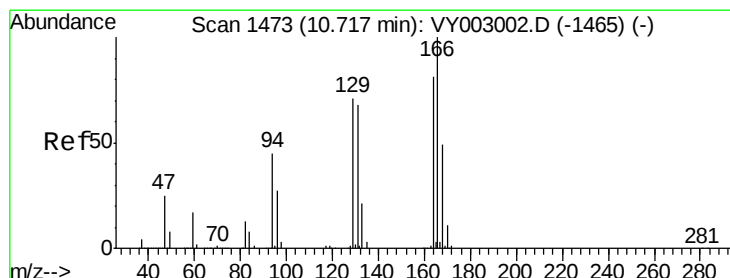
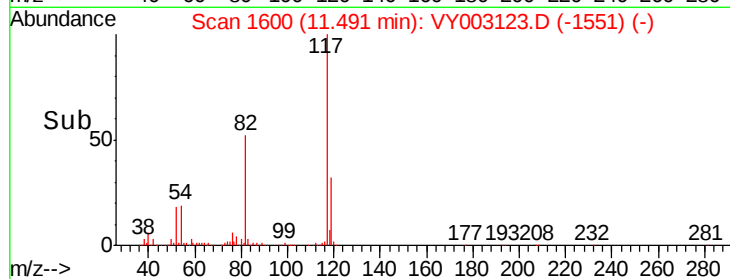
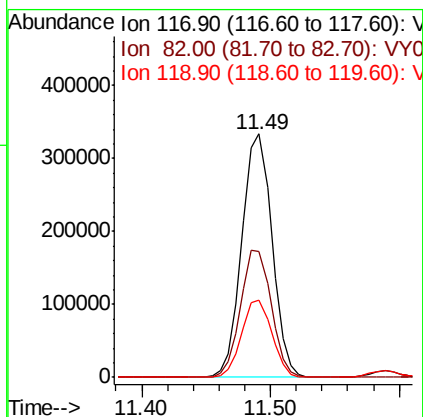
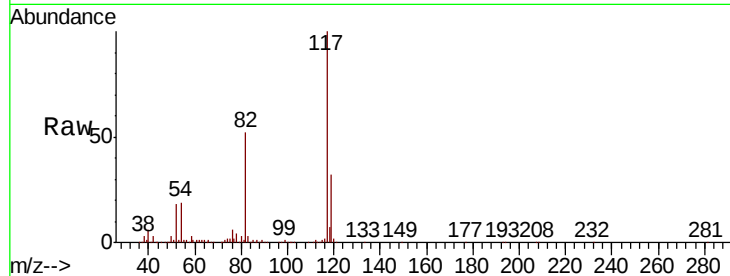




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

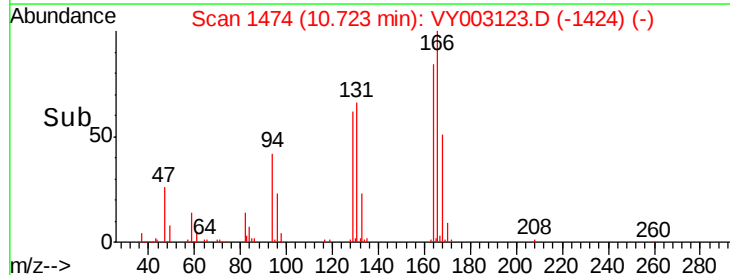
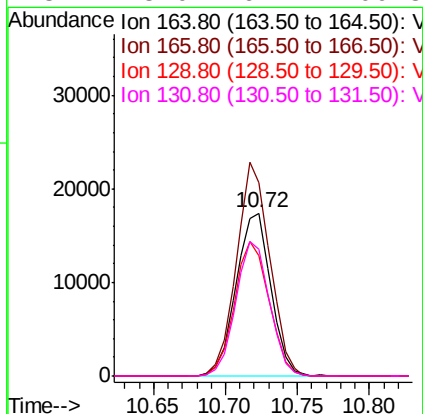
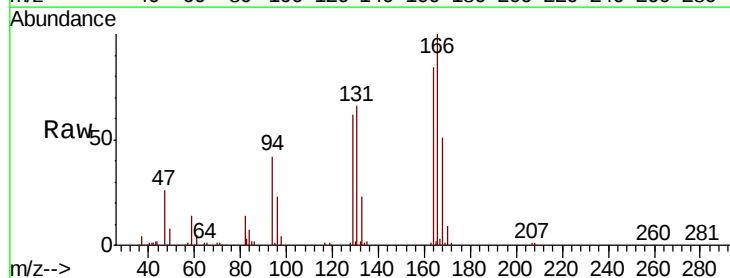
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:117 Resp: 540839
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.6
119 32.0 25.8 38.8



#64
Tetrachloroethene
Concen: 6.368 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion:164 Resp: 29150
Ion Ratio Lower Upper
164 100
166 118.5 98.5 147.7
129 74.0 69.7 104.5
131 78.0 67.2 100.8

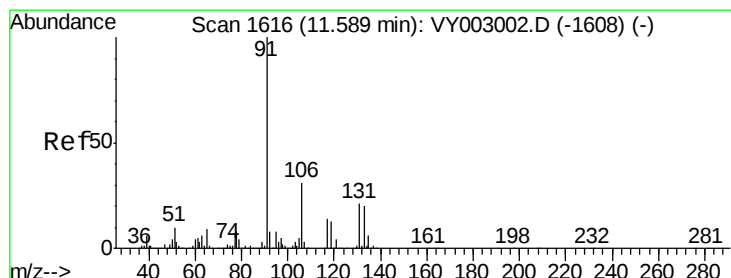
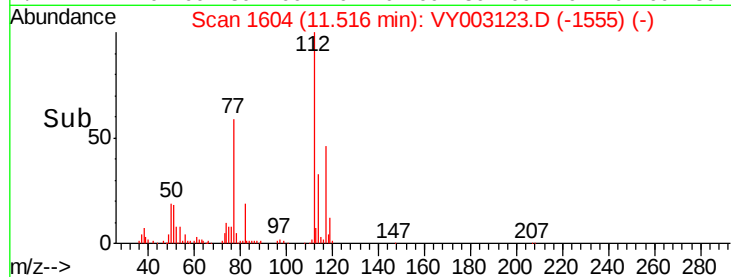
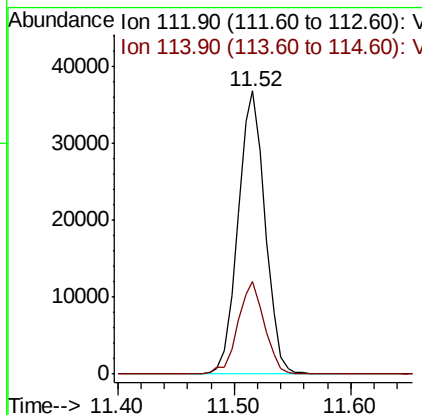
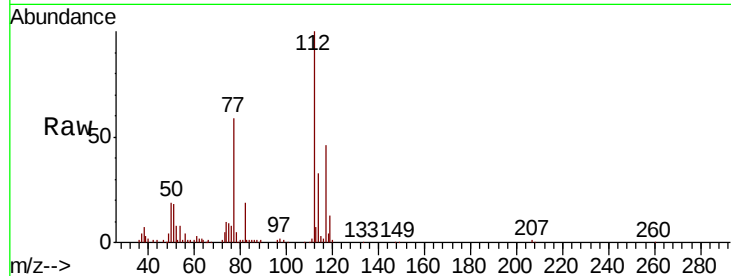




#65
Chlorobenzene
Concen: 5.563 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

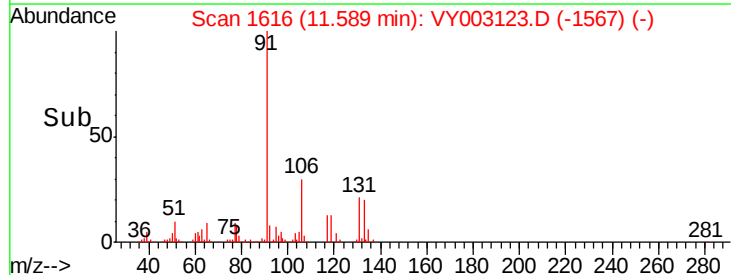
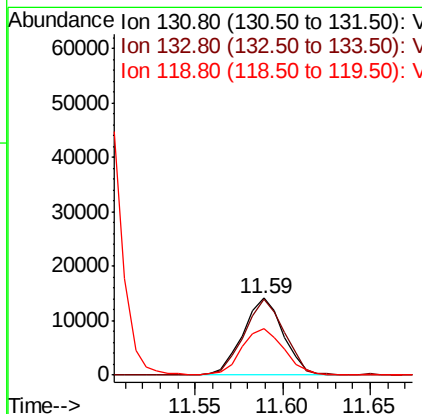
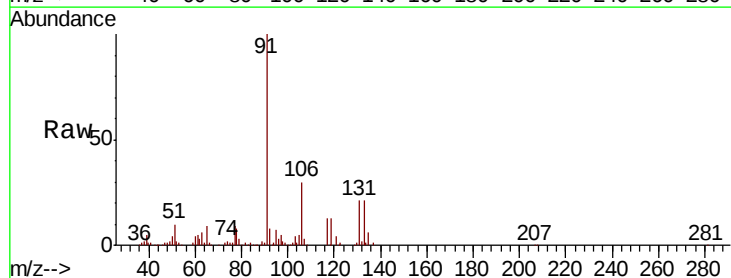
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

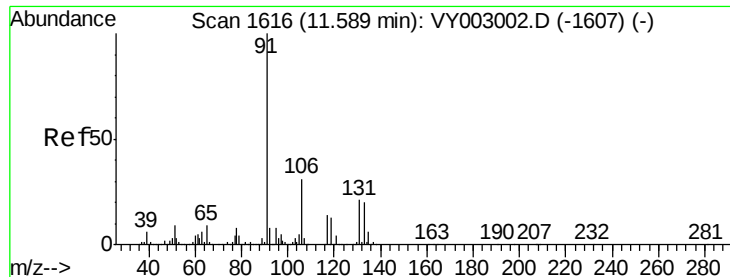
Tot Ion:112 Resp: 59330
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 5.434 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion:131 Resp: 22627
Ion Ratio Lower Upper
131 100
133 98.2 47.9 143.8
119 63.0 31.8 95.3

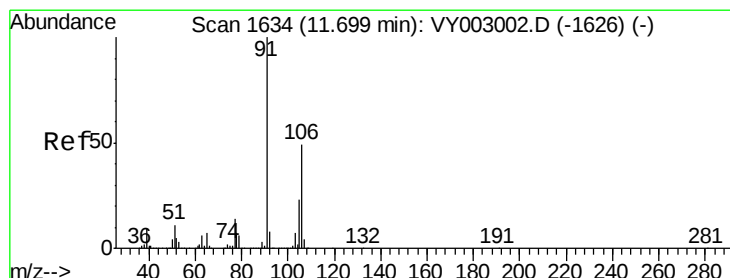
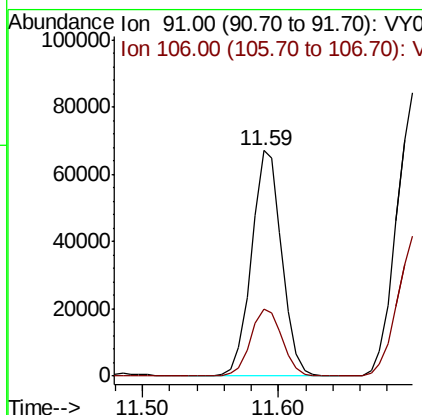
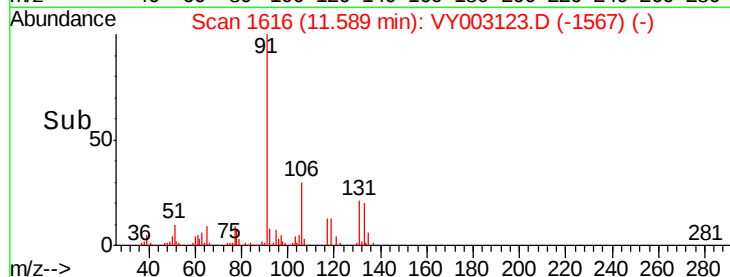
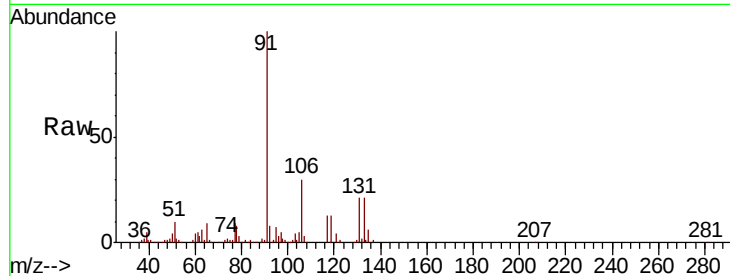




#67
Ethyl Benzene
Concen: 5.345 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

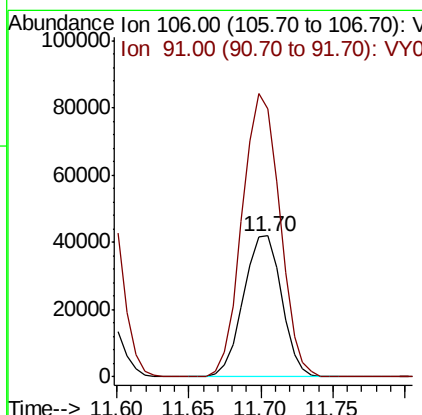
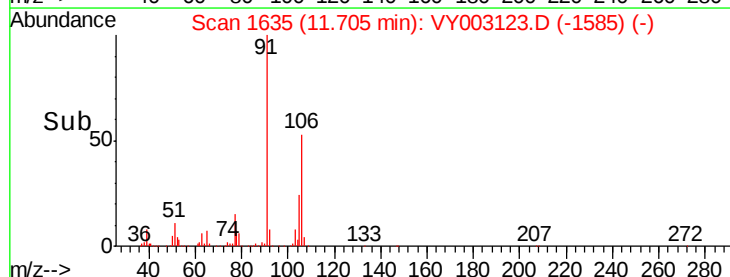
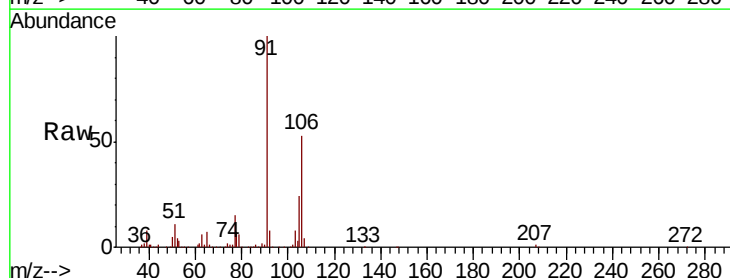
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

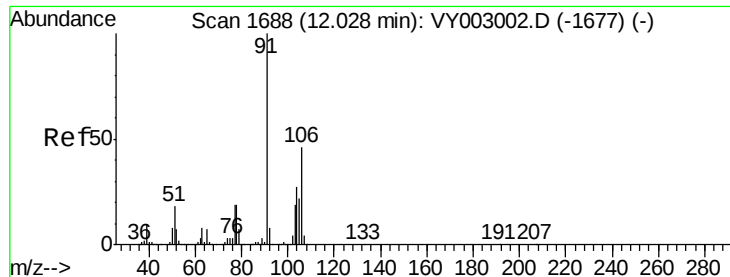
Tot Ion: 91 Resp: 104282
Ion Ratio Lower Upper
91 100
106 29.9 25.0 37.4



#68
m/p-Xylenes
Concen: 10.602 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 106 Resp: 76982
Ion Ratio Lower Upper
106 100
91 198.8 161.9 242.9

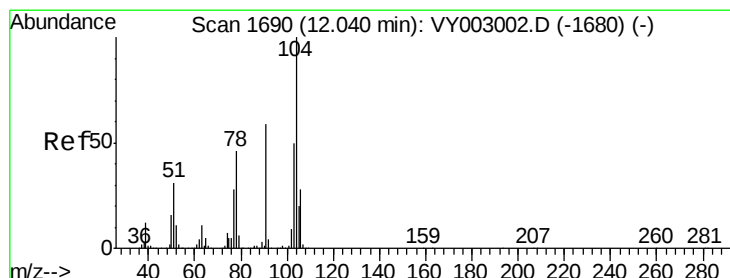
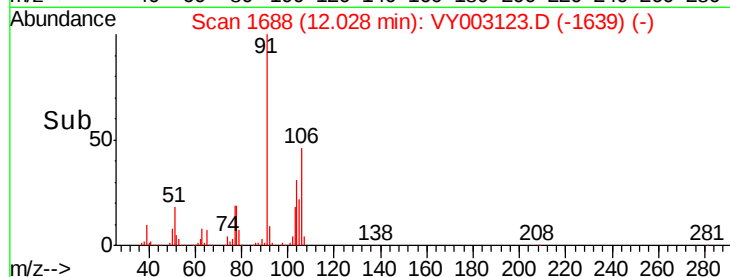
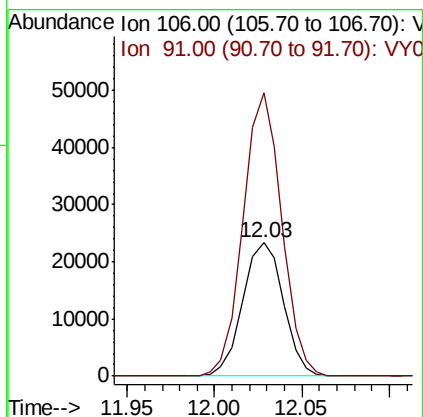
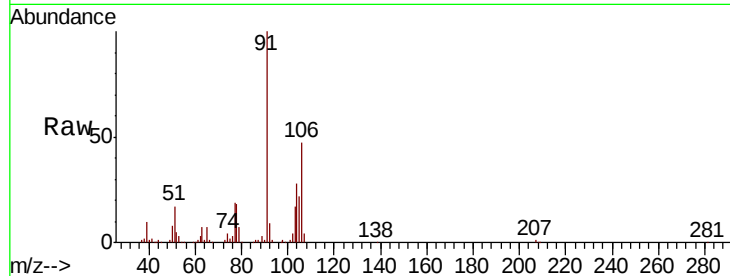




#69
o-Xylene
Concen: 5.532 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

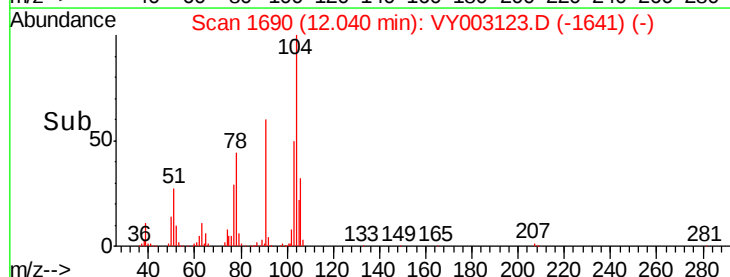
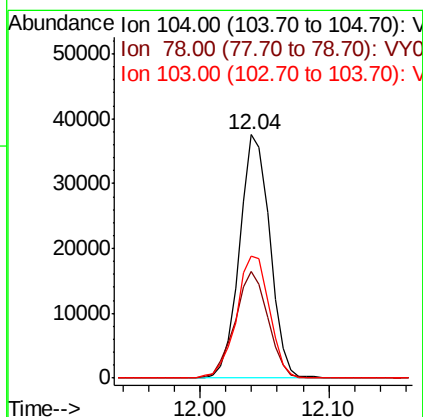
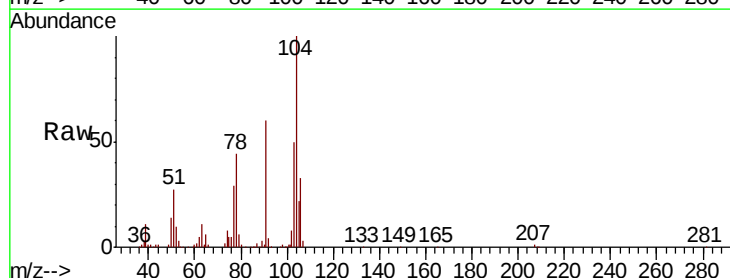
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:106 Resp: 37850
Ion Ratio Lower Upper
106 100
91 201.5 107.9 323.8



#70
Styrene
Concen: 5.224 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion:104 Resp: 61071
Ion Ratio Lower Upper
104 100
78 47.6 40.4 60.6
103 54.6 44.1 66.1





#71

Bromoform

Concen: 5.290 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

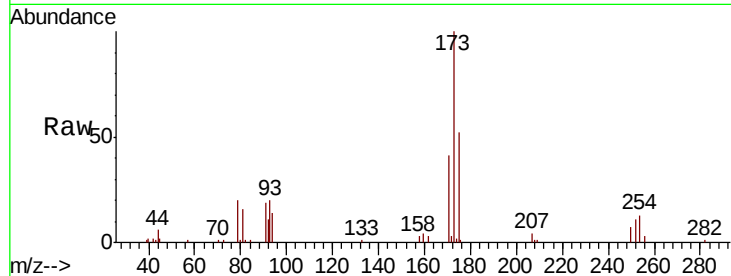
Tot Ion:173 Resp: 14686

Ion Ratio Lower Upper

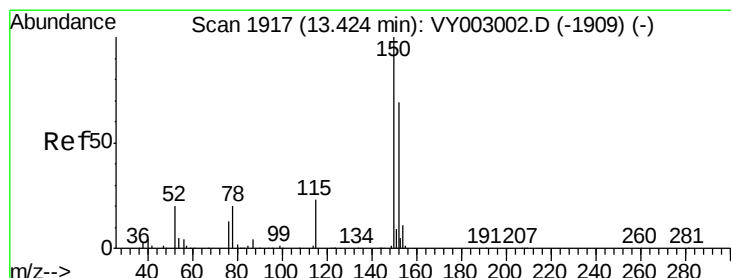
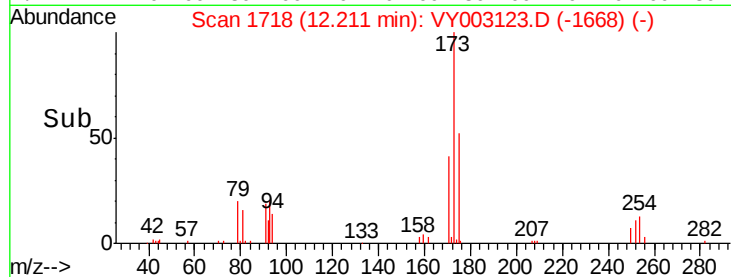
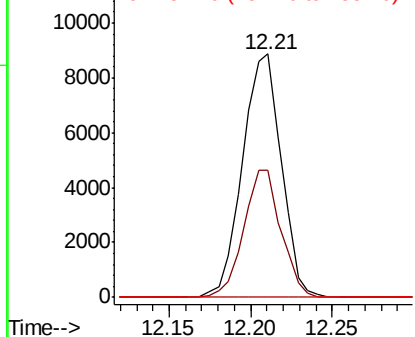
173 100

175 50.4 24.6 73.6

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: VY003123.D

Acq: 07 Jul 2020 13:51

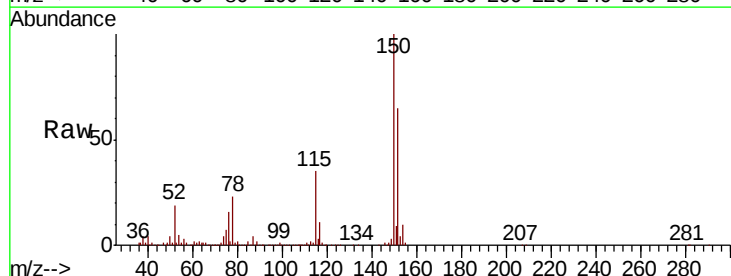
Tgt Ion:152 Resp: 293297

Ion Ratio Lower Upper

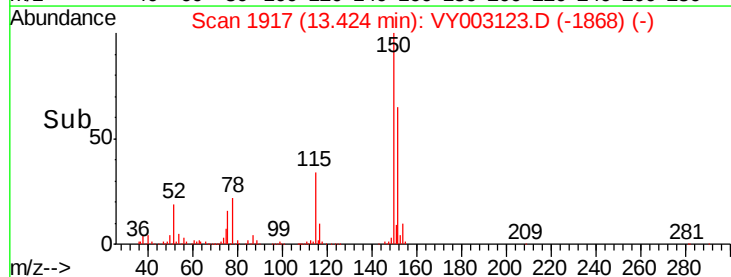
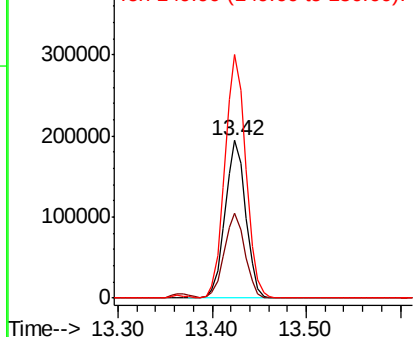
152 100

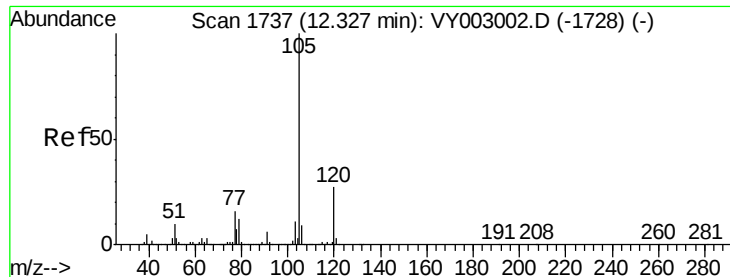
115 53.9 27.3 81.9

150 157.2 0.0 343.4



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: 5.172 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

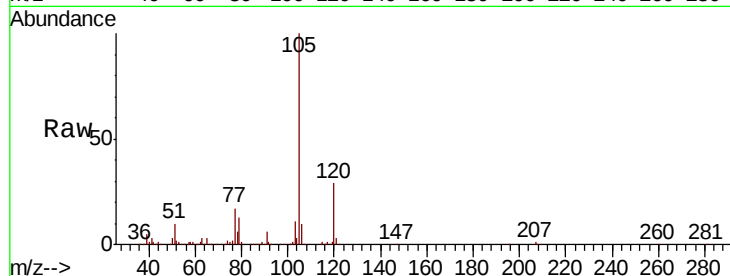
LOQ-SOIL-02-QT3-2020

Tot Ion: 105 Resp: 99268

Ion Ratio Lower Upper

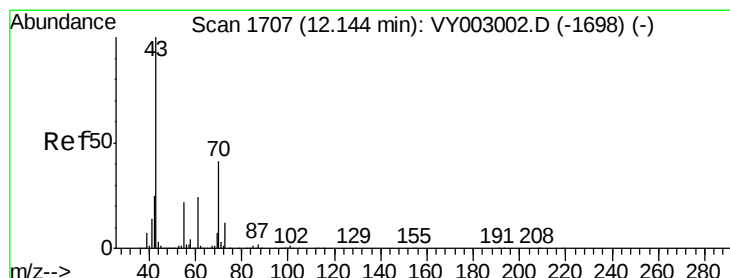
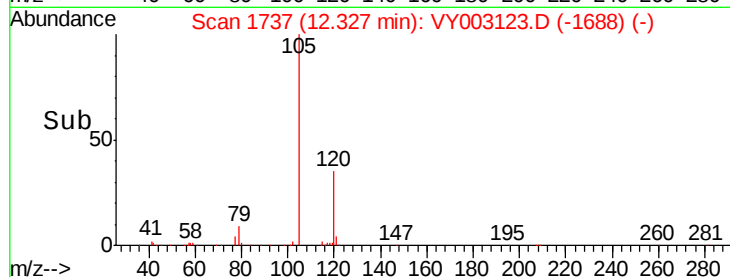
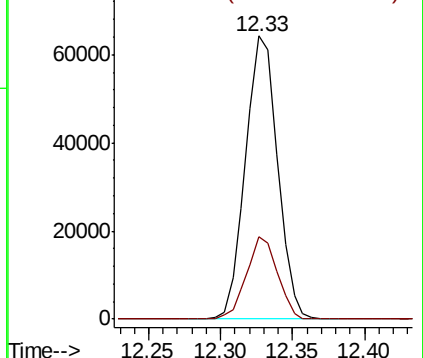
105 100

120 28.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.495 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion: 43 Resp: 28086

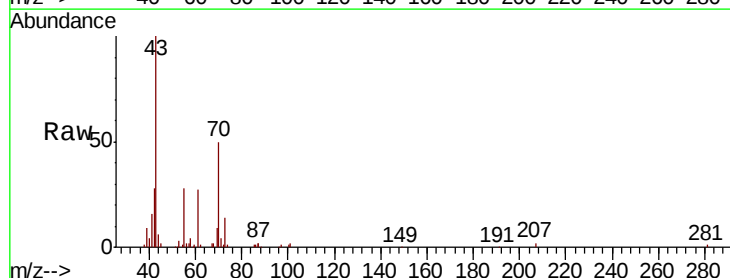
Ion Ratio Lower Upper

43 100

70 44.6 33.0 49.4

55 26.0 18.2 27.2

61 23.7 19.4 29.2

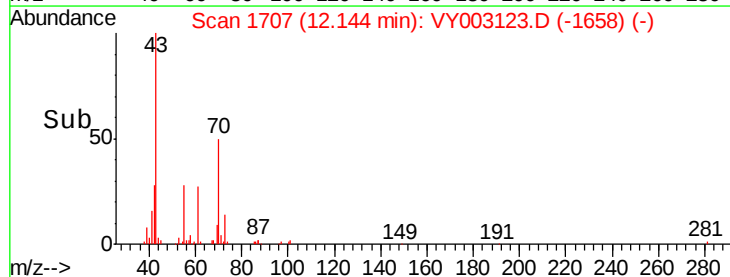
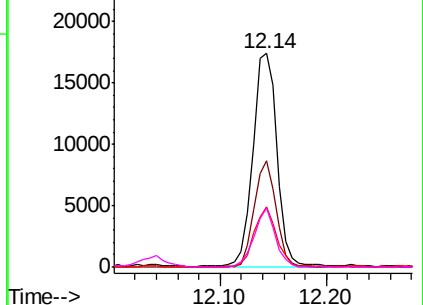


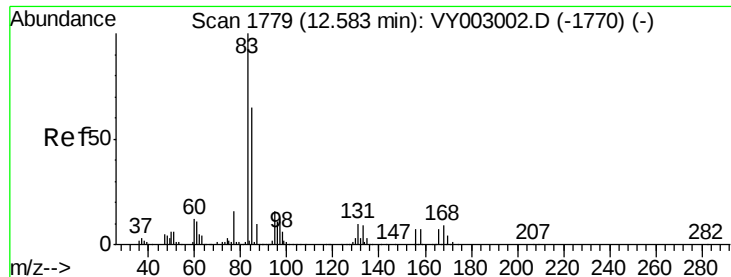
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 4.997 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

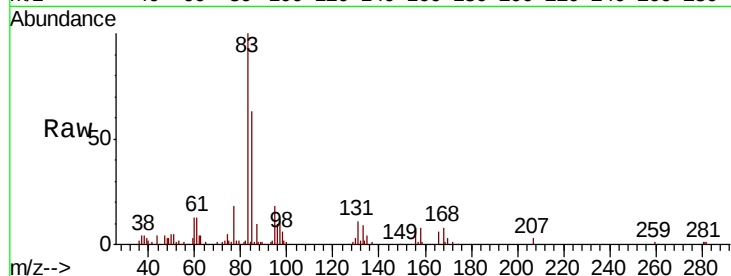
Tot Ion: 83 Resp: 19355

Ion Ratio Lower Upper

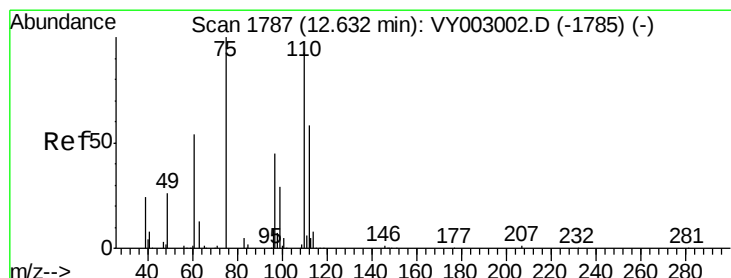
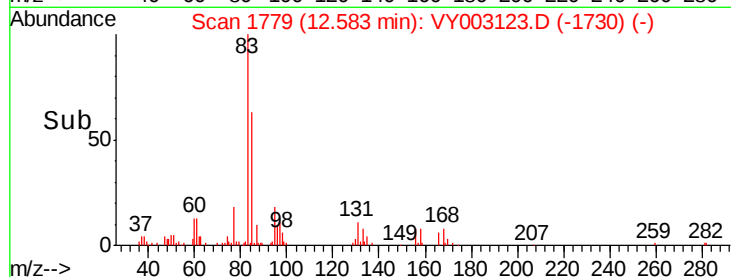
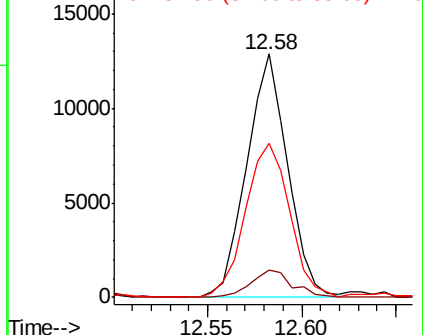
83 100

131 11.5 5.3 16.1

85 68.4 32.1 96.3



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: 9.432 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003123.D

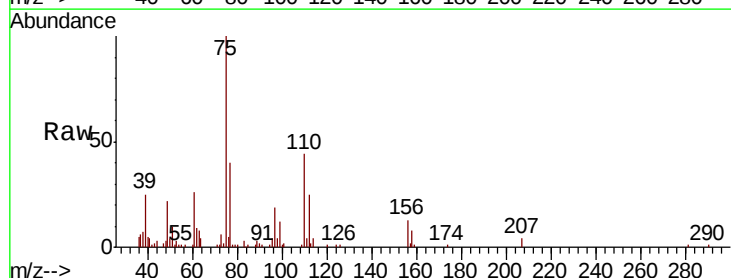
Acq: 07 Jul 2020 13:51

Tgt Ion: 75 Resp: 27380

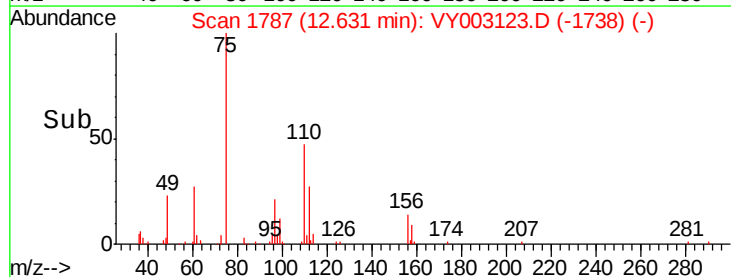
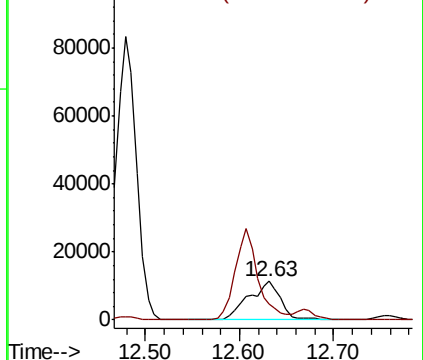
Ion Ratio Lower Upper

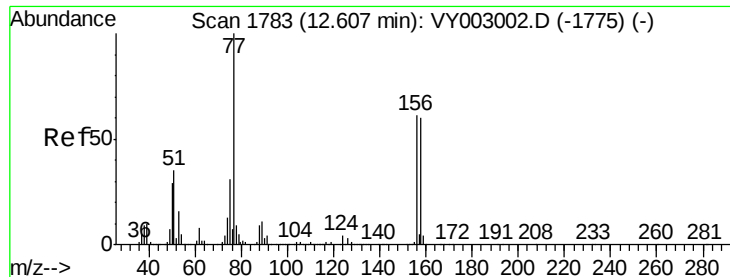
75 100

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: 5.362 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

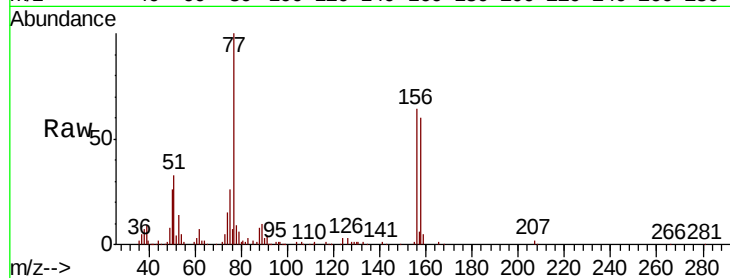
Tot Ion:156 Resp: 26391

Ion Ratio Lower Upper

156 100

77 170.7 90.0 270.0

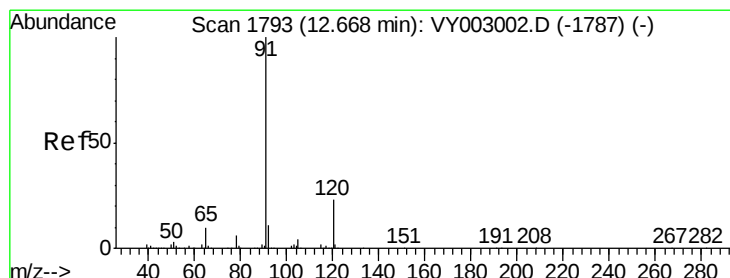
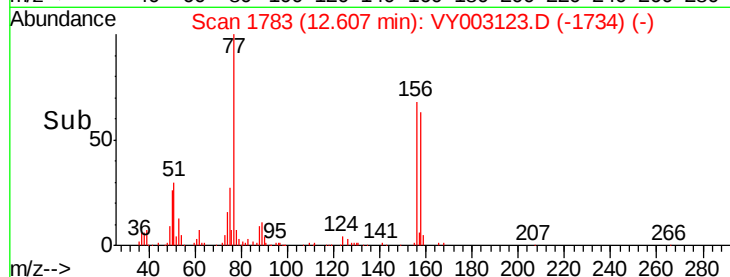
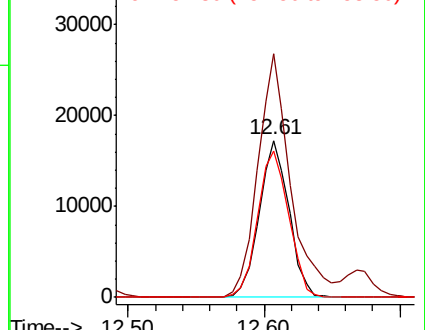
158 98.1 48.5 145.5



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: 5.239 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003123.D

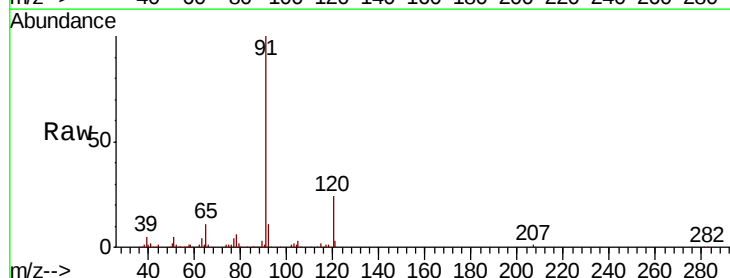
Acq: 07 Jul 2020 13:51

Tgt Ion: 91 Resp: 120951

Ion Ratio Lower Upper

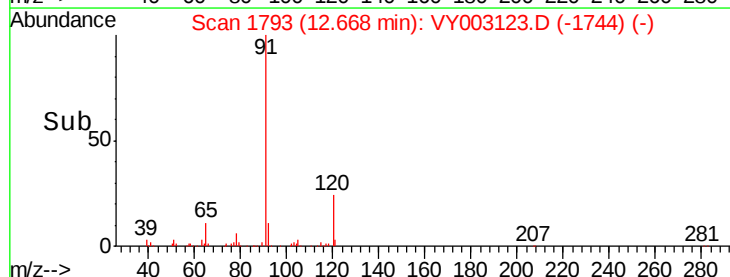
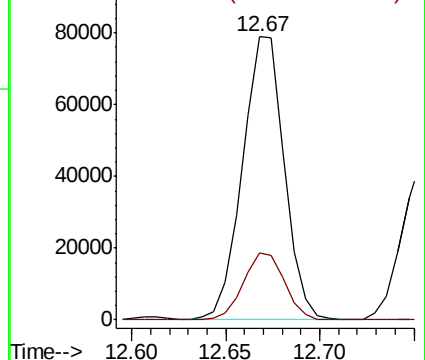
91 100

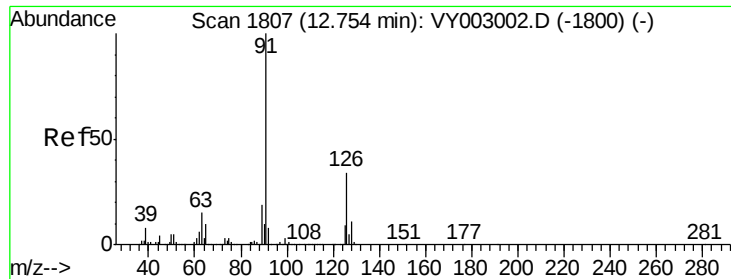
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.279 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

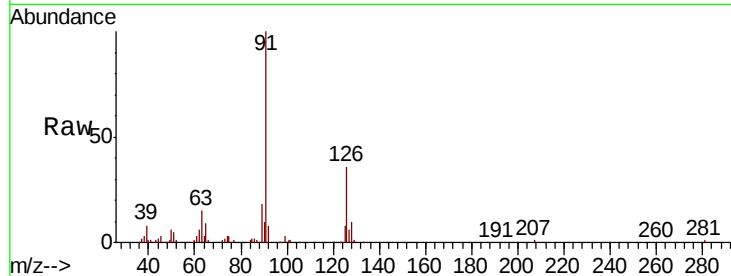
LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 68016

Ion Ratio Lower Upper

91 100

126 36.1 17.1 51.3

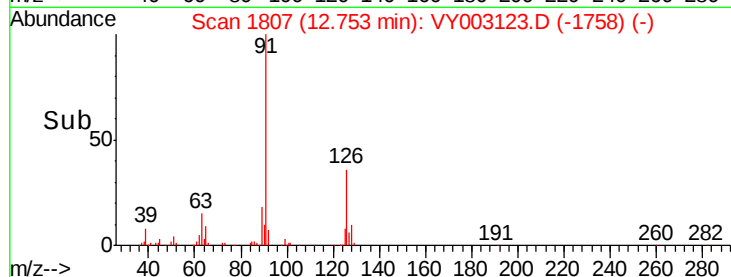


Abundance Ion 91.00 (90.70 to 91.70): VY003123.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003123.D (-1758) (-)

Time-->

Time-->

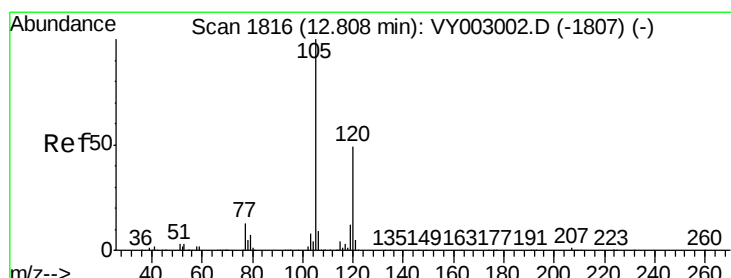


Abundance Ion 91.00 (90.70 to 91.70): VY003123.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003123.D (-1758) (-)

Time-->

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.134 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003123.D

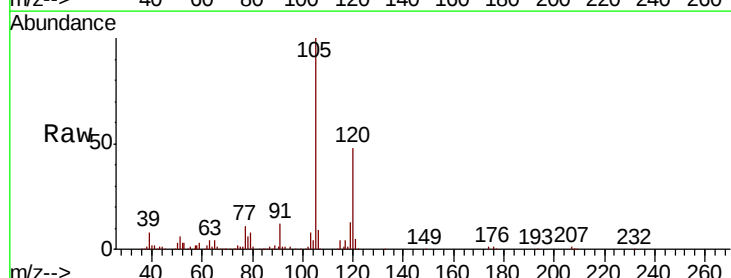
Acq: 07 Jul 2020 13:51

Tgt Ion:105 Resp: 82696

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.6

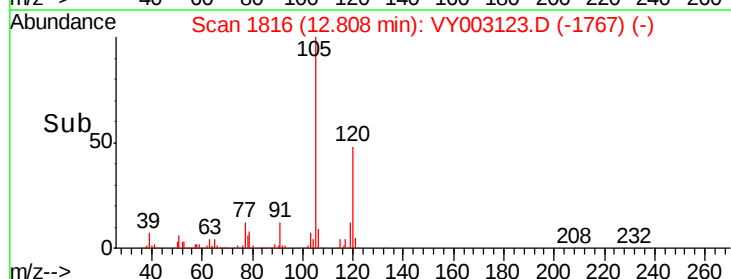


Abundance Ion 105.00 (104.70 to 105.70): VY003123.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003123.D (-1767) (-)

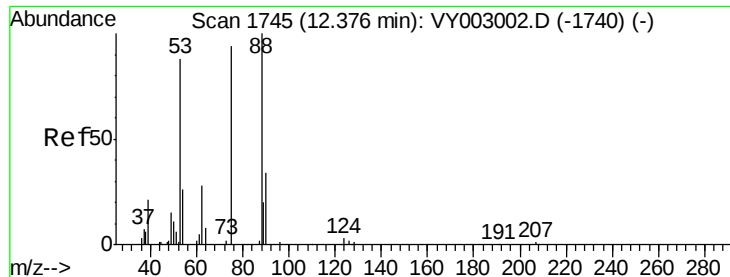
Time-->

Time-->



Time-->

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 4.793 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

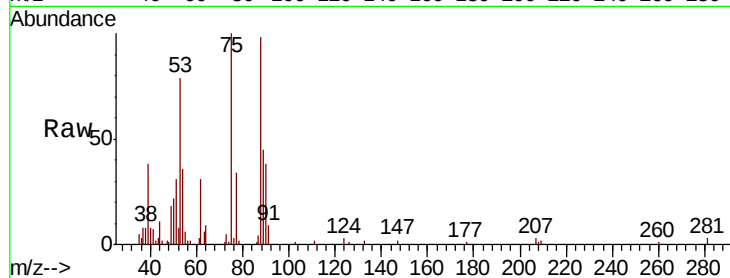
Tot Ion: 75 Resp: 7151

Ion Ratio Lower Upper

75 100

53 93.2 73.9 110.9

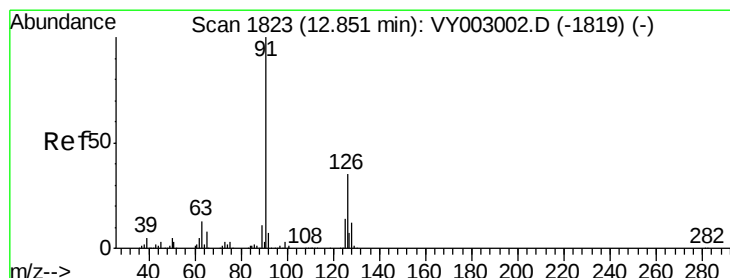
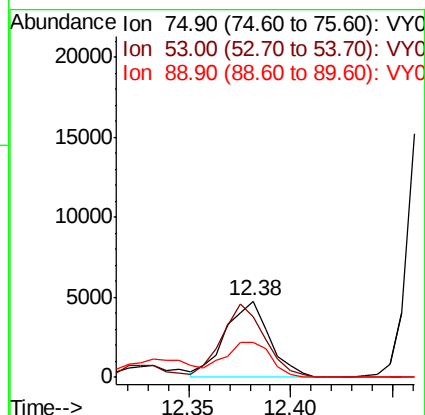
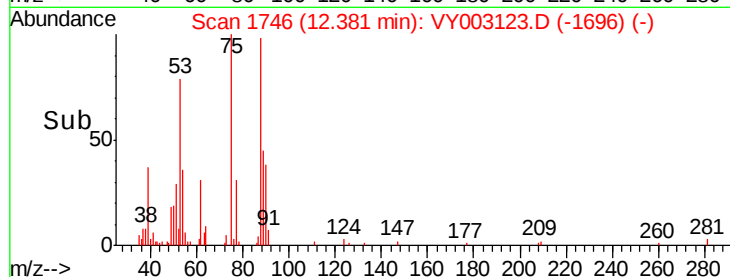
89 48.0 37.5 56.3



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: 5.273 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003123.D

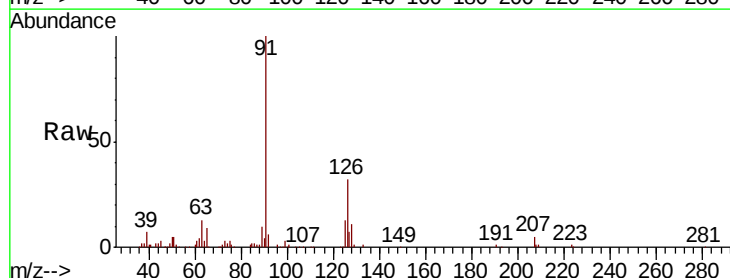
Acq: 07 Jul 2020 13:51

Tgt Ion: 91 Resp: 70744

Ion Ratio Lower Upper

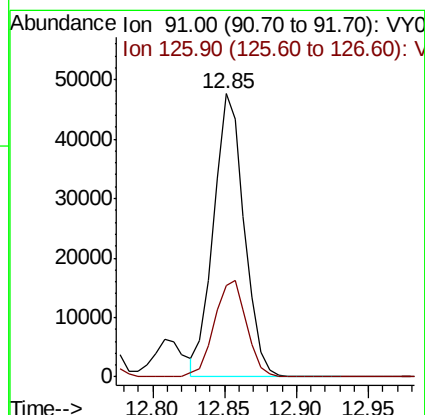
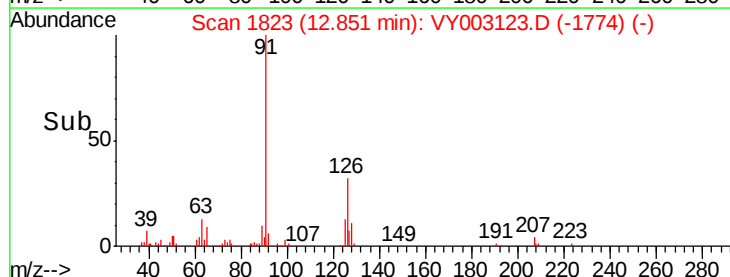
91 100

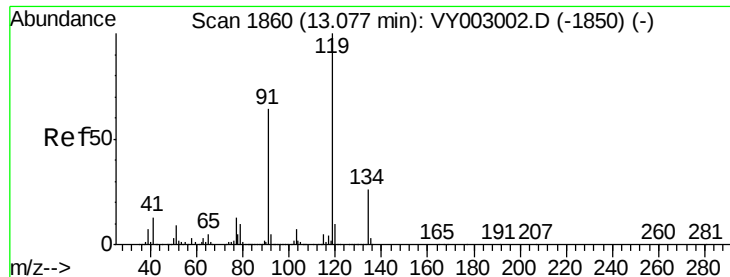
126 35.8 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

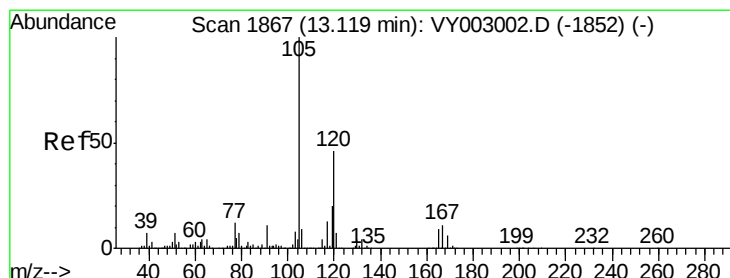
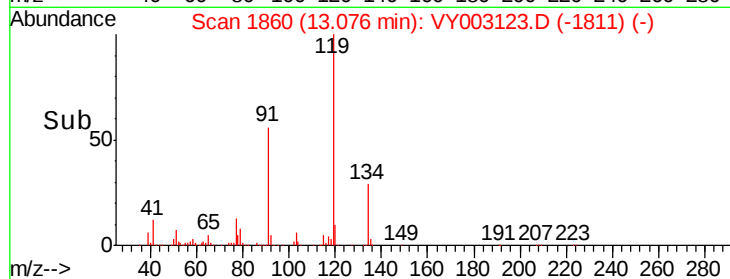
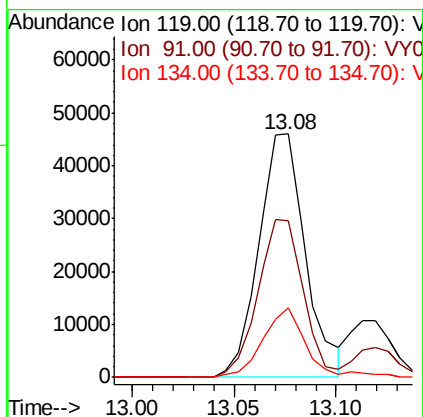
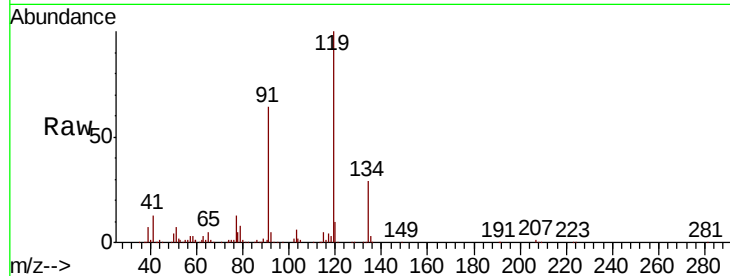




#83
 tert-Butylbenzene
 Concen: 5.194 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

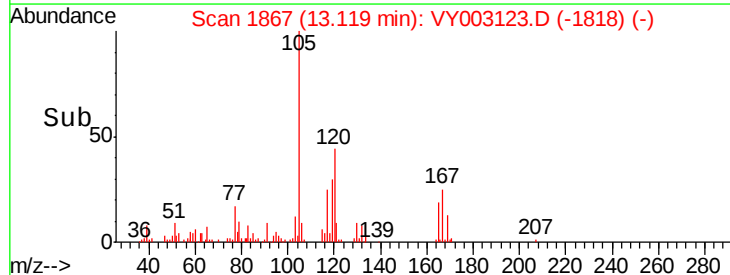
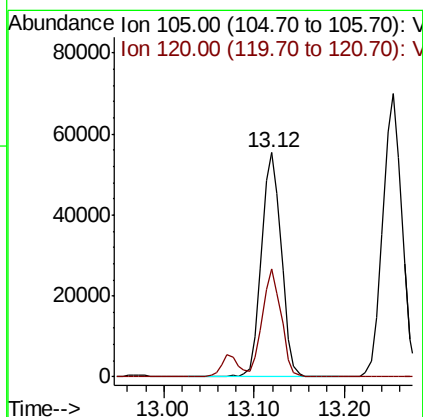
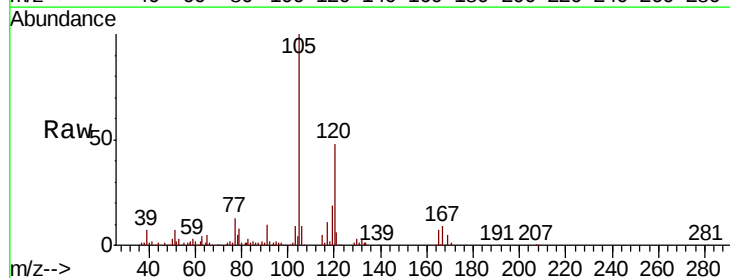
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

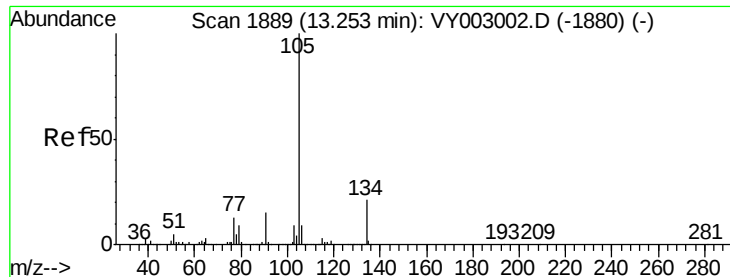
Tot Ion:119 Resp: 73455
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.6 95.0
 134 26.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.183 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:105 Resp: 84120
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8

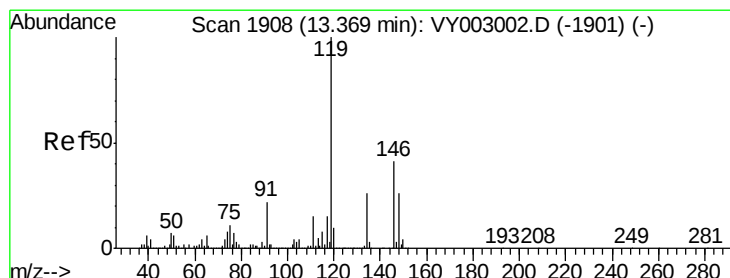
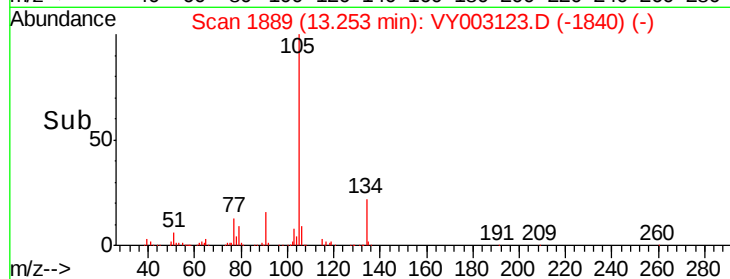
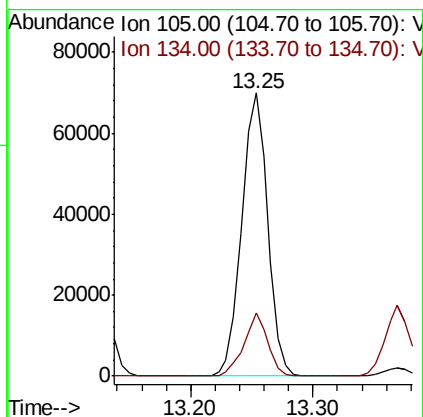
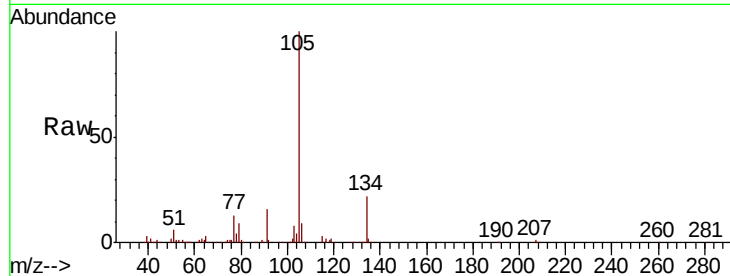




#85
 sec-Butylbenzene
 Concen: 5.258 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

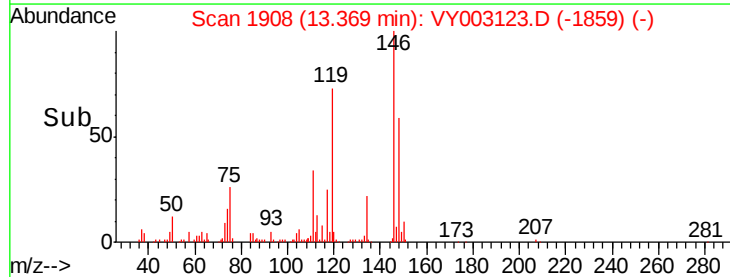
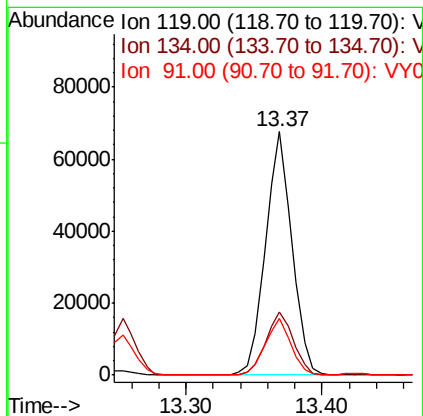
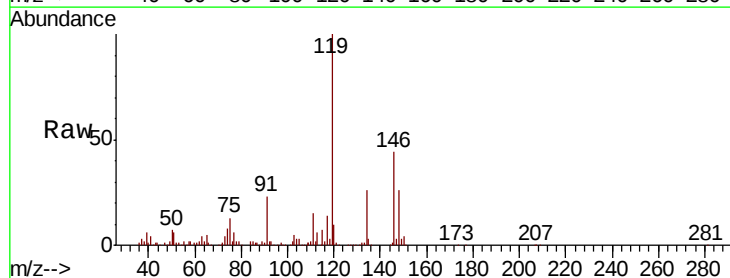
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

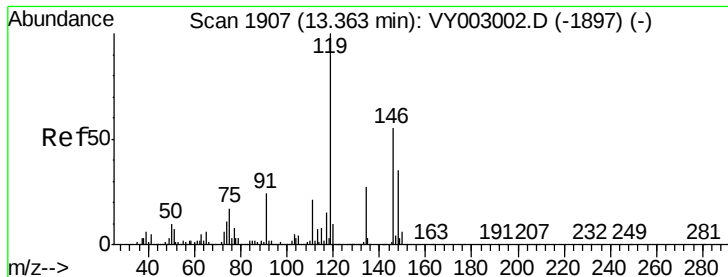
Tot Ion:105 Resp: 102500
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 5.109 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:119 Resp: 92281
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 22.9 11.5 34.5

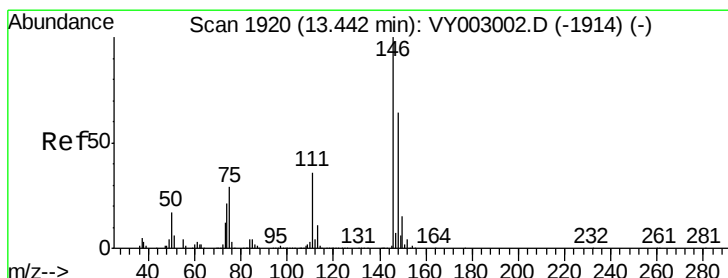
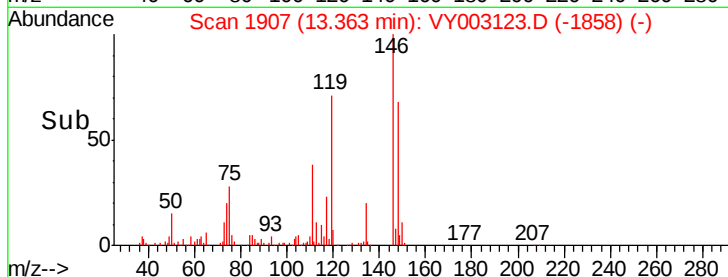
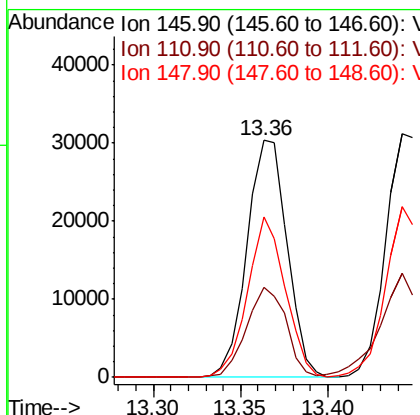
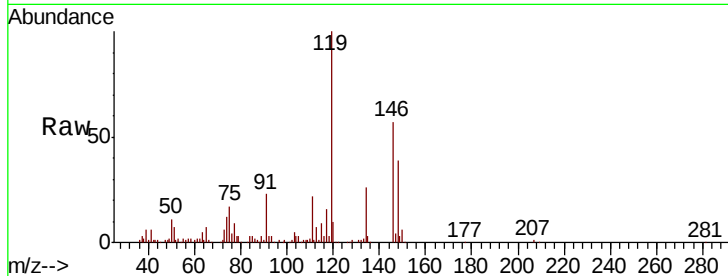




#87
 1,3-Dichlorobenzene
 Concen: 5.282 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

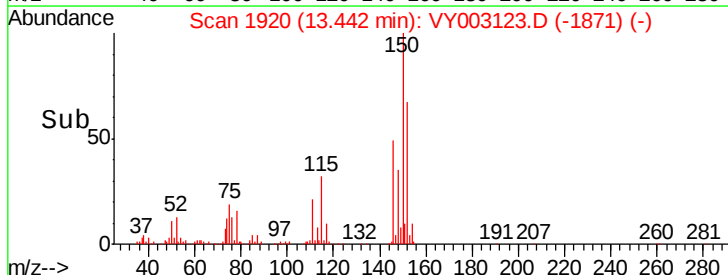
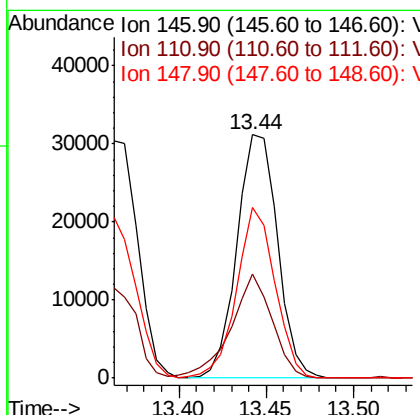
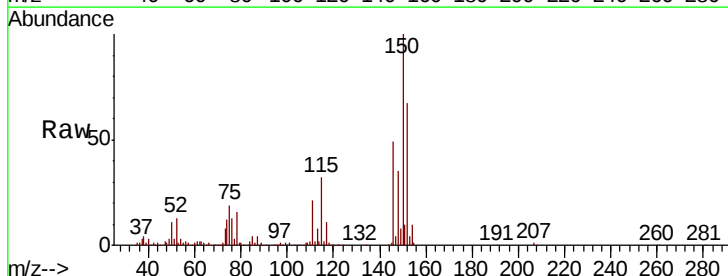
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

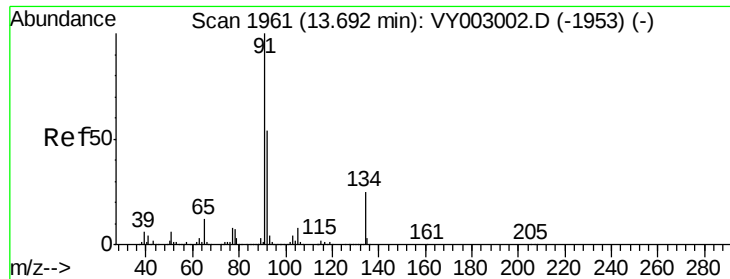
Tot Ion:146 Resp: 48533
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 5.564 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:146 Resp: 50417
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.4 55.4
 148 66.5 32.3 96.9





#89

n-Butylbenzene

Concen: 5.078 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

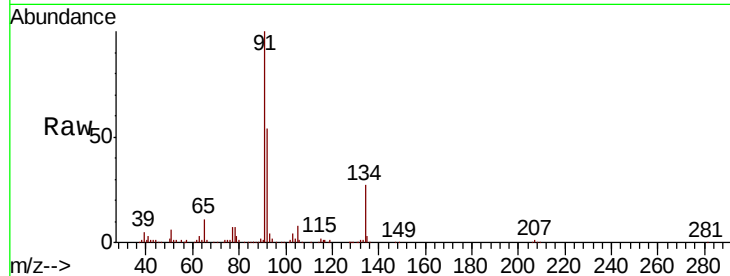
Tot Ion: 91 Resp: 87773

Ion Ratio Lower Upper

91 100

92 54.4 26.8 80.3

134 27.6 13.1 39.1

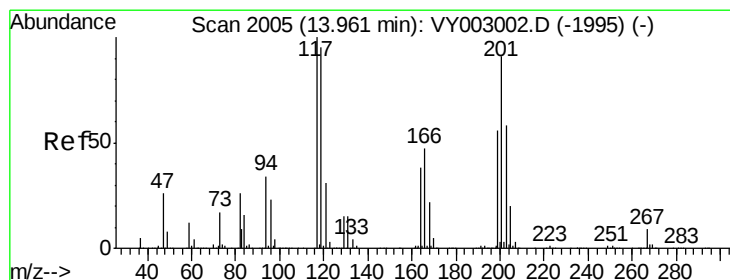
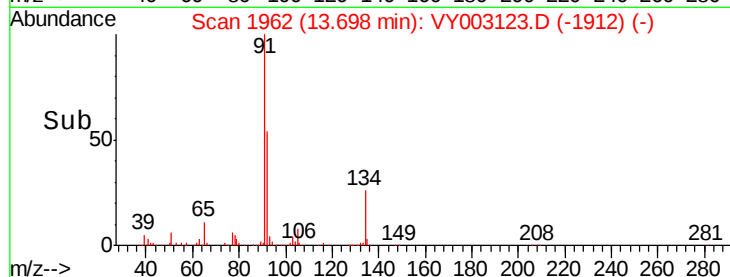
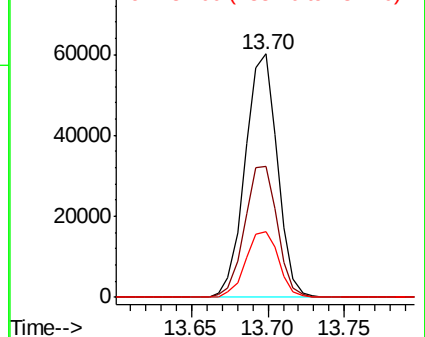


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.761 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY003123.D

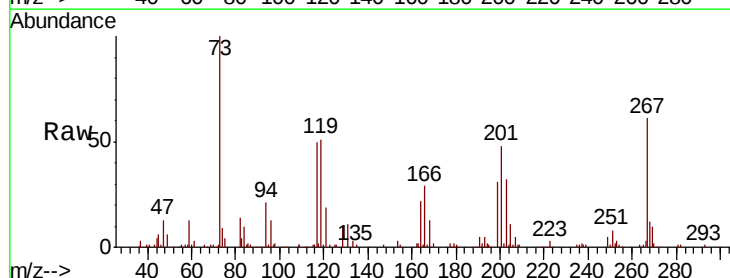
Acq: 07 Jul 2020 13:51

Tgt Ion: 117 Resp: 17078

Ion Ratio Lower Upper

117 100

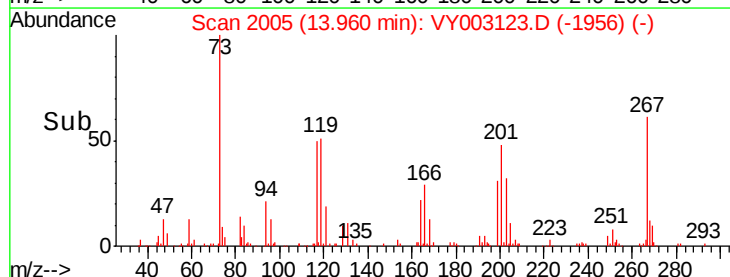
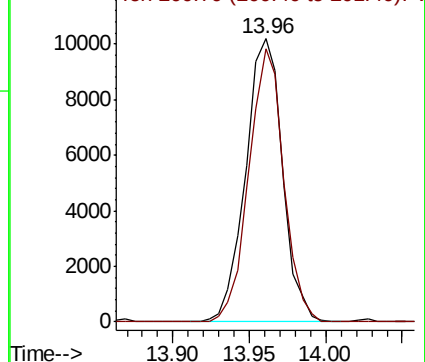
201 91.0 45.5 136.4

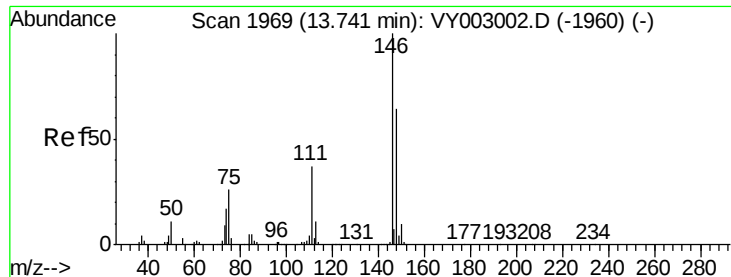


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.593 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

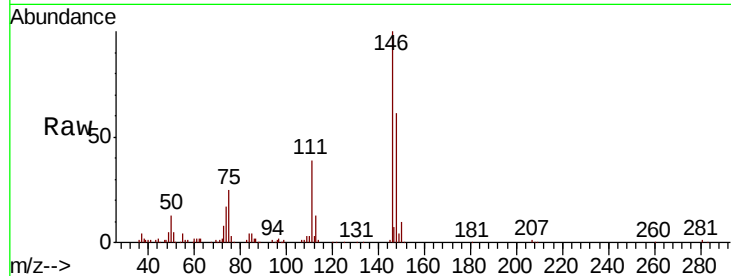
Tot Ion:146 Resp: 46105

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

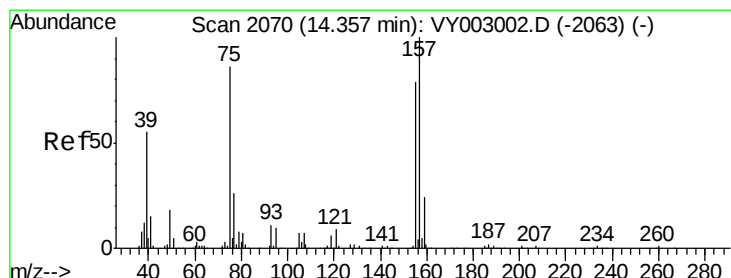
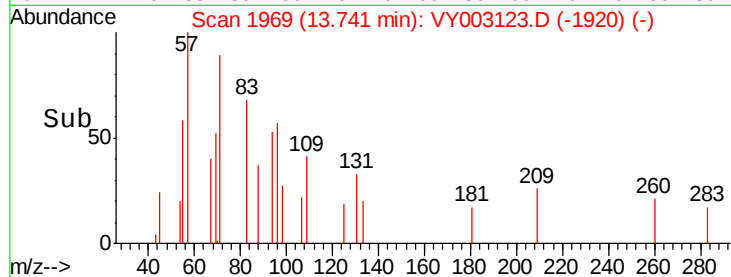
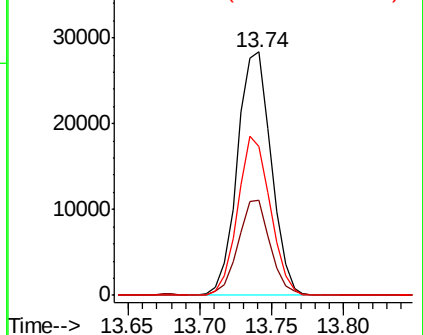
148 63.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.477 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

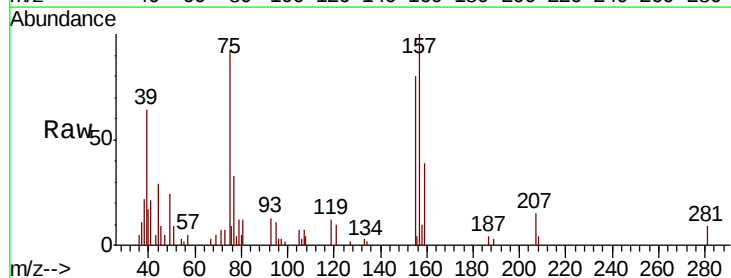
Tgt Ion: 75 Resp: 3756

Ion Ratio Lower Upper

75 100

155 93.3 46.5 139.3

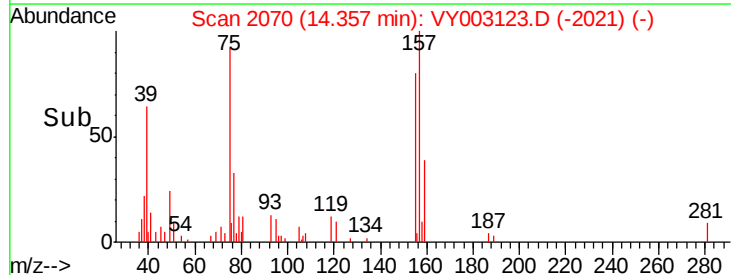
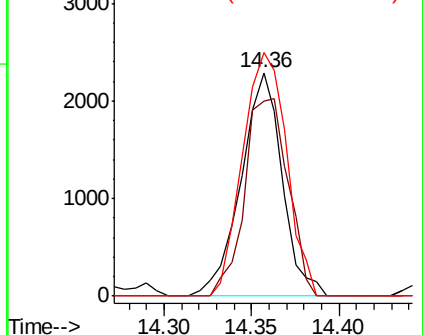
157 116.5 59.2 177.5

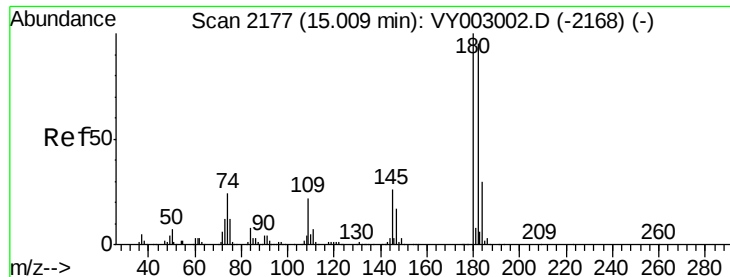


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

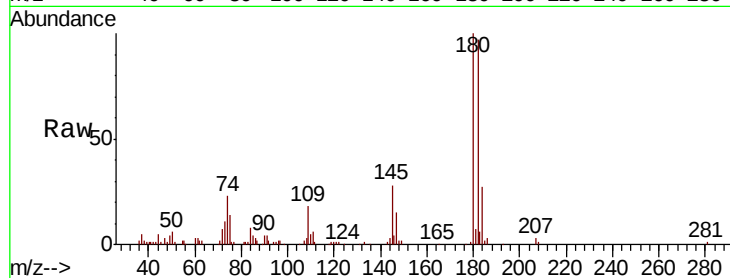




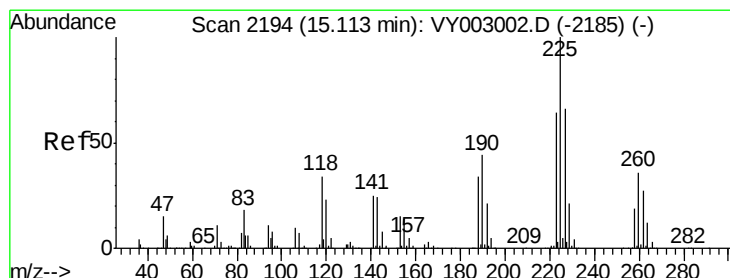
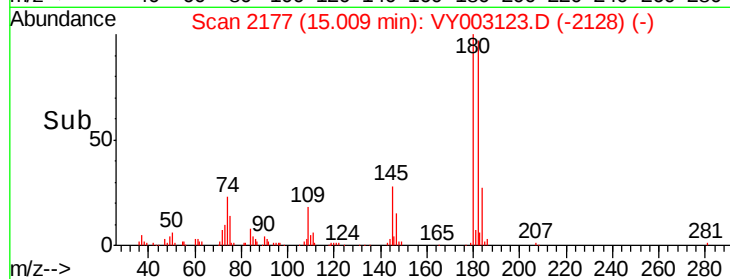
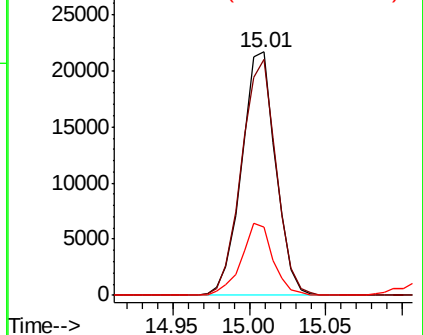
#93
 1,2,4-Trichlorobenzene
 Concen: 5.460 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:180 Resp: 33450
 Ion Ratio Lower Upper
 180 100
 182 98.7 48.1 144.3
 145 27.7 13.9 41.6

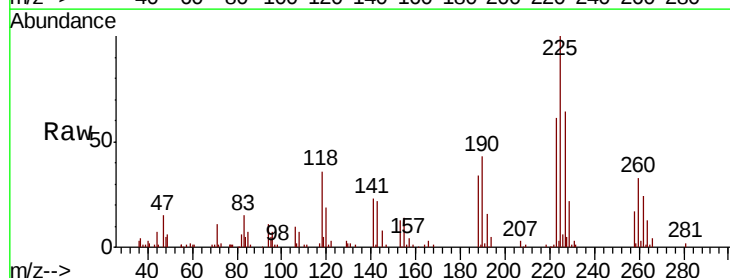


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

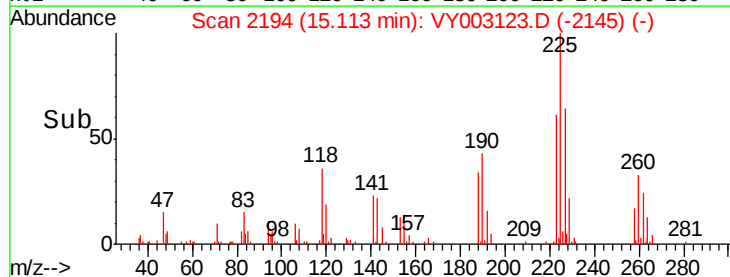
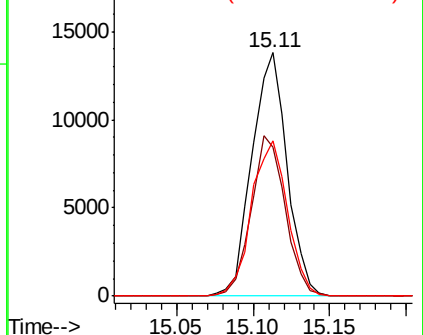


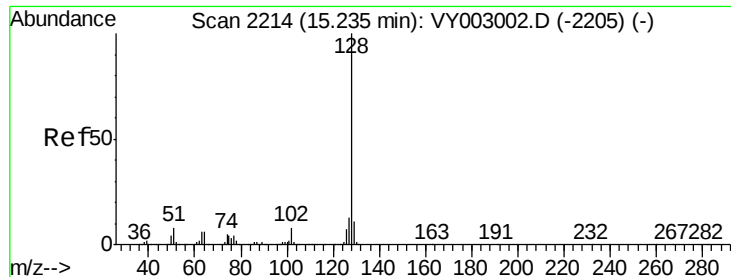
#94
 Hexachlorobutadiene
 Concen: 5.721 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:225 Resp: 22104
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.4 97.0
 227 65.3 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

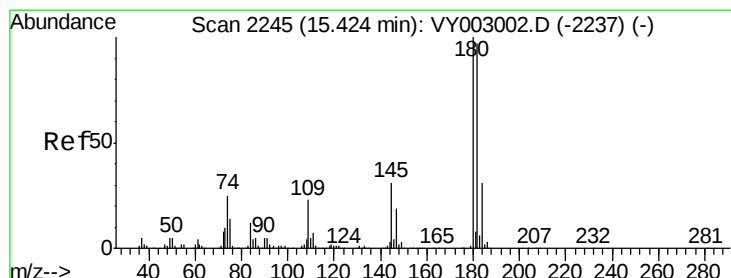
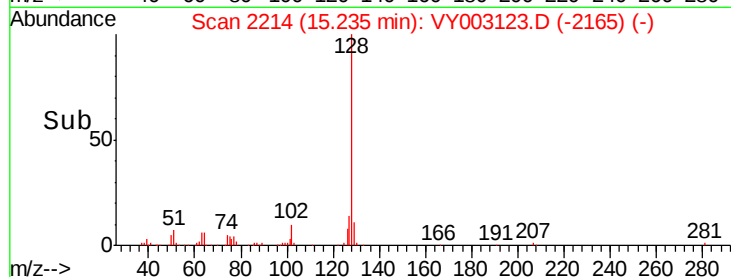
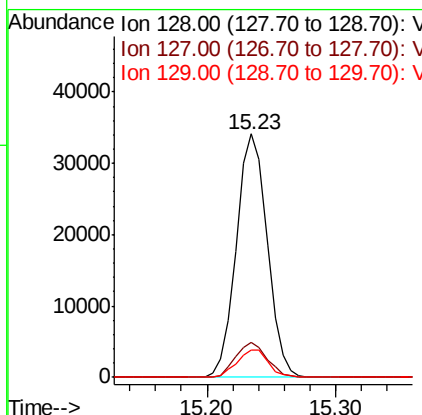
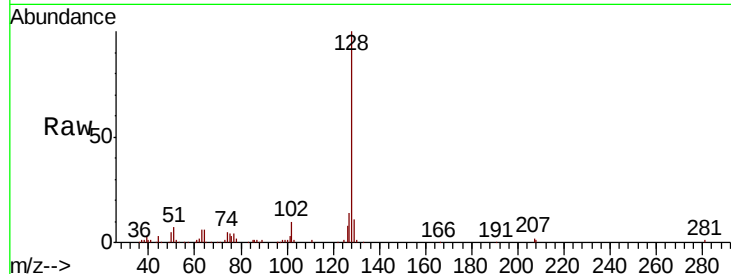




#95
Naphthalene
Concen: 5.067 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	128	Resp	56697
Ion Ratio	100	Lower	Upper
127	14.7	10.8	16.2
129	11.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.467 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	180	Resp	29080
Ion Ratio	100	Lower	Upper
182	93.3	47.8	143.3
145	28.6	14.7	44.1

