

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003121.D
 Acq On : 07 Jul 2020 13:05
 Operator : SY/MD
 Sample : L3126-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 04:40:55 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	423491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	608449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	554414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	295420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	204583	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.72	113	201762	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.18	98	735538	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.48	95	257810	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	9649	3.009 ug/l	100
3) Chloromethane	2.12	50	15626	3.327 ug/l	98
4) Vinyl Chloride	2.26	62	12900	2.816 ug/l	95
5) Bromomethane	2.65	94	10636	3.419 ug/l	87
6) Chloroethane	2.80	64	8069	2.769 ug/l	90
7) Trichlorofluoromethane	3.13	101	17790	2.751 ug/l	91
8) Diethyl Ether	3.54	74	6181	2.788 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10809	2.800 ug/l	93
10) Methyl Iodide	4.10	142	12818	2.677 ug/l	97
11) Tert butyl alcohol	4.96	59	4142	9.663 ug/l	100
12) 1,1-Dichloroethene	3.88	96	10240	2.788 ug/l	85
13) Acrolein	3.73	56	4246	11.029 ug/l	96
14) Allyl chloride	4.49	41	14571	2.272 ug/l	96
15) Acrylonitrile	5.18	53	13772	12.055 ug/l	98
16) Acetone	3.96	43	12994	13.099 ug/l	94
17) Carbon Disulfide	4.20	76	30743	2.619 ug/l #	95
18) Methyl Acetate	4.49	43	8845	3.310 ug/l #	90
19) Methyl tert-butyl Ether	5.22	73	27464	2.565 ug/l	93
20) Methylene Chloride	4.72	84	22406	4.047 ug/l #	76
21) trans-1,2-Dichloroethene	5.22	96	11439	2.753 ug/l	89
22) Diisopropyl ether	6.12	45	31846	2.317 ug/l	93
23) Vinyl Acetate	6.07	43	89232	9.709 ug/l	96
24) 1,1-Dichloroethane	6.03	63	19403	2.584 ug/l	98
25) 2-Butanone	6.99	43	17702	11.234 ug/l	93
26) 2,2-Dichloropropane	6.99	77	18256	2.676 ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	12694	2.724 ug/l	92
28) Bromochloromethane	7.34	49	8539	2.556 ug/l	88
29) Tetrahydrofuran	7.35	42	11727	11.191 ug/l	96
30) Chloroform	7.51	83	19904	2.676 ug/l	97
31) Cyclohexane	7.80	56	24741	3.344 ug/l #	60
32) 1,1,1-Trichloroethane	7.71	97	17126	2.522 ug/l	99
36) 1,1-Dichloropropene	7.92	75	14936	2.548 ug/l	96
37) Ethyl Acetate	7.08	43	8583	2.436 ug/l #	94
38) Carbon Tetrachloride	7.90	117	16585	2.720 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	18939	2.606	ug/l	98
40) Benzene	8.17	78	43759	2.727	ug/l	99
41) Methacrylonitrile	7.35	41	12018	6.385	ug/l #	45
42) 1,2-Dichloroethane	8.24	62	13677	2.694	ug/l	97
43) Isopropyl Acetate	8.28	43	15656	2.337	ug/l	92
44) Trichloroethene	8.94	130	13272	2.846	ug/l	94
45) 1,2-Dichloropropane	9.22	63	11453	2.653	ug/l	90
46) Dibromomethane	9.31	93	6552	2.718	ug/l	100
47) Bromodichloromethane	9.50	83	15085	2.555	ug/l #	98
48) Methyl methacrylate	9.29	41	6807	2.232	ug/l	93
49) 1,4-Dioxane	9.29	88	1700	57.762	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	38771	11.198	ug/l	99
52) Toluene	10.24	92	28003	2.772	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	14848	2.399	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	17325	2.447	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	8664	2.586	ug/l	98
56) Ethyl methacrylate	10.51	69	10773	2.221	ug/l	96
57) 1,3-Dichloropropane	10.79	76	15105	2.568	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	30991	12.460	ug/l	93
59) 2-Hexanone	10.83	43	26742	11.050	ug/l	100
60) Dibromochloromethane	10.99	129	10847	2.530	ug/l	99
61) 1,2-Dibromoethane	11.09	107	8490	2.570	ug/l	94
64) Tetrachloroethene	10.72	164	14811	3.156	ug/l	92
65) Chlorobenzene	11.52	112	30579	2.797	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	10494	2.459	ug/l	90
67) Ethyl Benzene	11.59	91	52482	2.624	ug/l	99
68) m/p-Xylenes	11.70	106	40607	5.455	ug/l	95
69) o-Xylene	12.03	106	18204	2.595	ug/l	98
70) Styrene	12.04	104	30366	2.534	ug/l	97
71) Bromoform	12.20	173	7393	2.598	ug/l #	99
73) Isopropylbenzene	12.33	105	51322	2.654	ug/l	99
74) N-amyl acetate	12.14	43	12750	2.026	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	9867	2.529	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	13864	4.742	ug/l #	100
77) Bromobenzene	12.61	156	13245	2.672	ug/l	95
78) n-propylbenzene	12.67	91	61323	2.637	ug/l	99
79) 2-Chlorotoluene	12.75	91	34064	2.625	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	42509	2.620	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	135366	90.078	ug/l #	13
82) 4-Chlorotoluene	12.85	91	36818	2.725	ug/l	99
83) tert-Butylbenzene	13.08	119	37719	2.648	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	42260	2.585	ug/l	96
85) sec-Butylbenzene	13.25	105	51510	2.623	ug/l	98
86) p-Isopropyltoluene	13.37	119	47436	2.607	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	26391	2.852	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	27898	3.057	ug/l	89
89) n-Butylbenzene	13.69	91	46656	2.680	ug/l	98
90) Hexachloroethane	13.96	117	8559	2.369	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	23912	2.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2196	3.179	ug/l	83

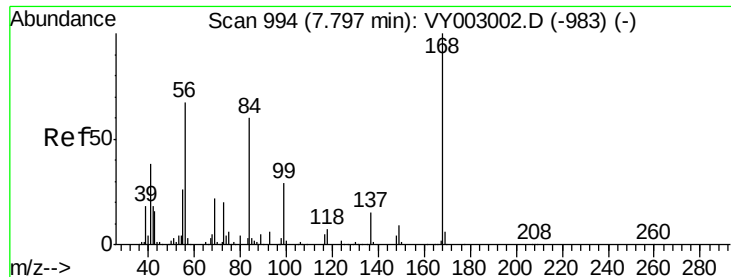
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	20090	3.256	ug/l	99
94) Hexachlorobutadiene	15.11	225	12083	3.105	ug/l	98
95) Naphthalene	15.23	128	34640	3.074	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16972	3.168	ug/l	99

(#) = 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: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

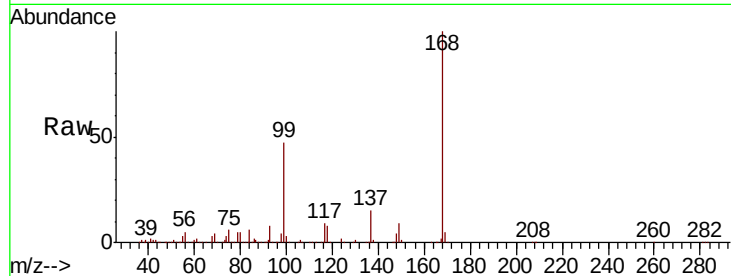
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 423491

Ion Ratio Lower Upper

168 100

99 47.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003121.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003121.D (-945) (-)

7.80

200000

150000

100000

50000

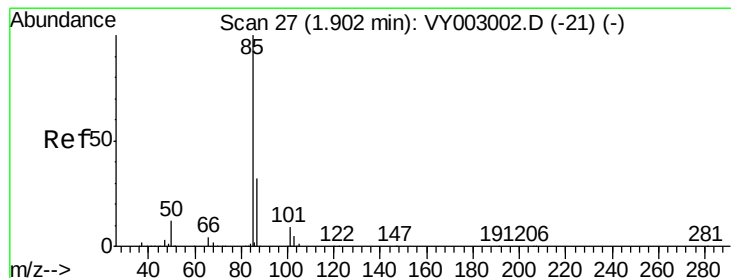
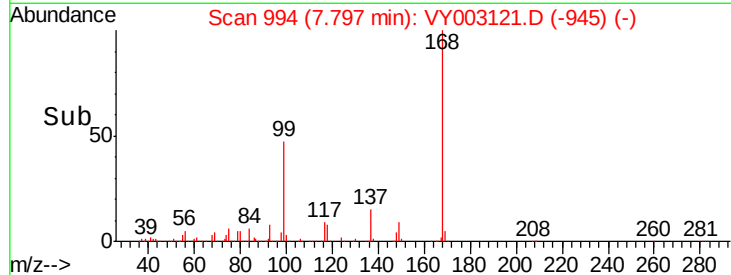
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.009 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003121.D

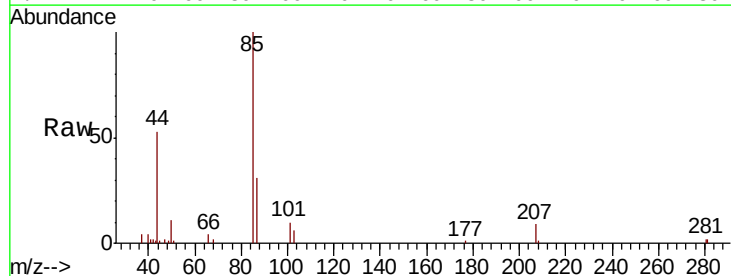
Acq: 07 Jul 2020 13:05

Tgt Ion: 85 Resp: 9649

Ion Ratio Lower Upper

85 100

87 31.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003121.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003121.D (-1) (-)

1.91

6000

4000

2000

0

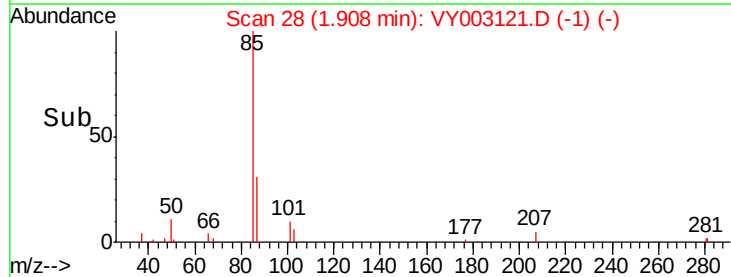
1.85

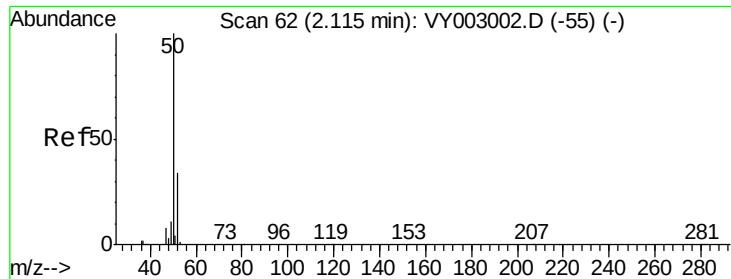
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 3.327 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

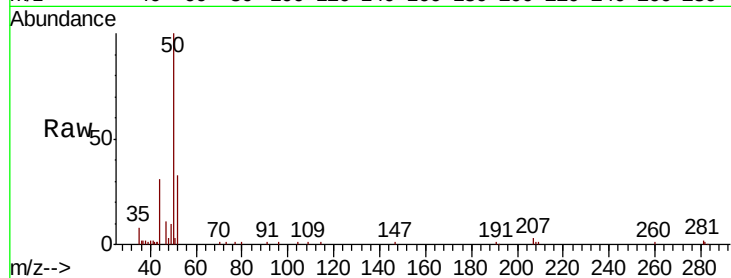
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 15626

Ion Ratio Lower Upper

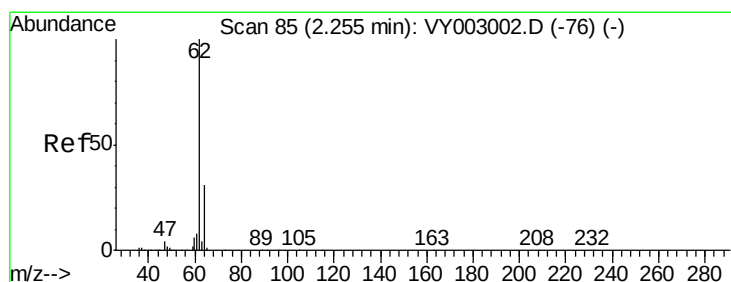
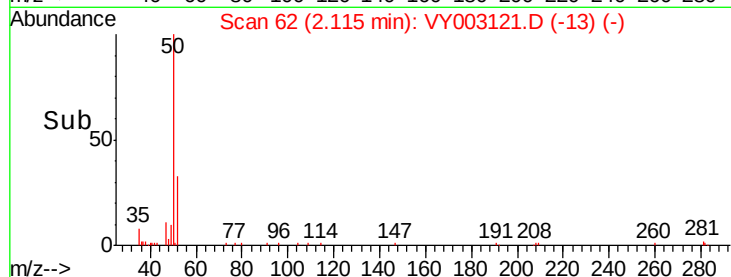
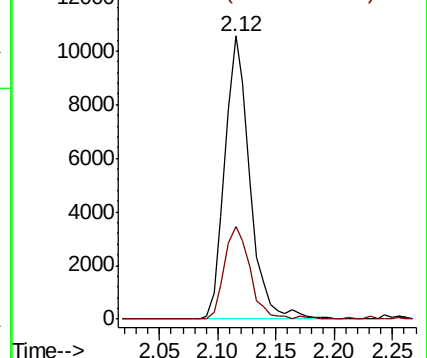
50 100

52 32.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.816 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003121.D

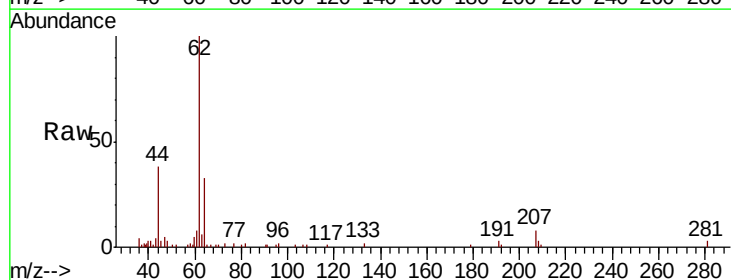
Acq: 07 Jul 2020 13:05

Tgt Ion: 62 Resp: 12900

Ion Ratio Lower Upper

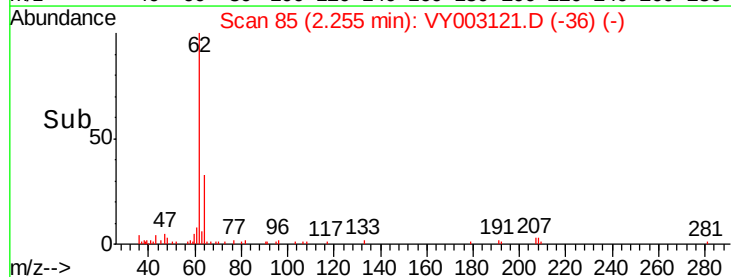
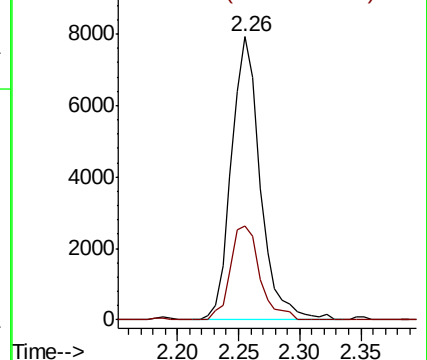
62 100

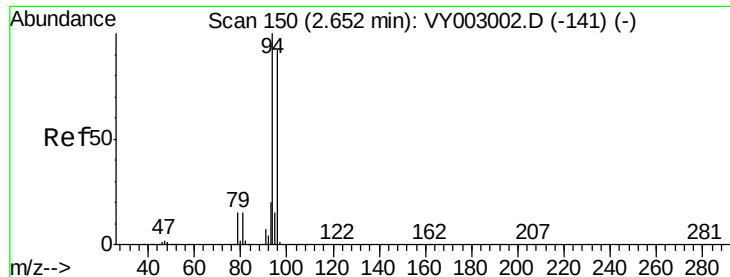
64 33.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.419 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

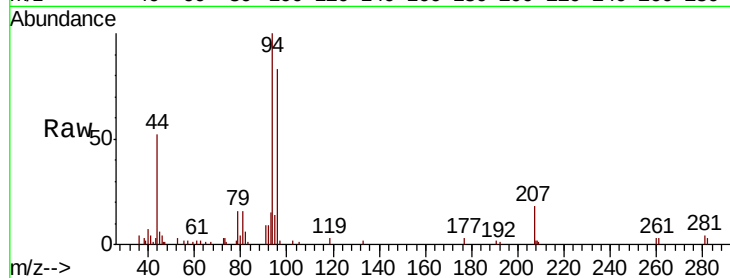
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 10636

Ion Ratio Lower Upper

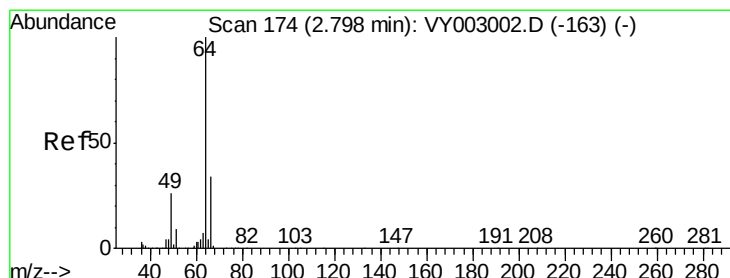
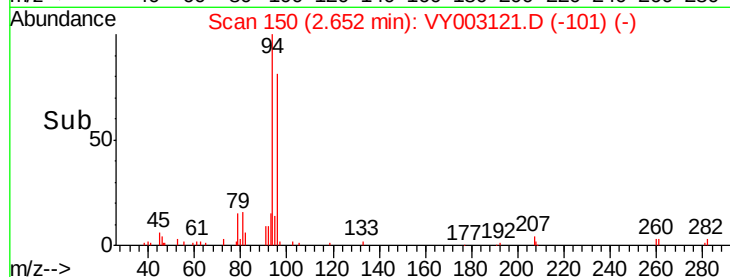
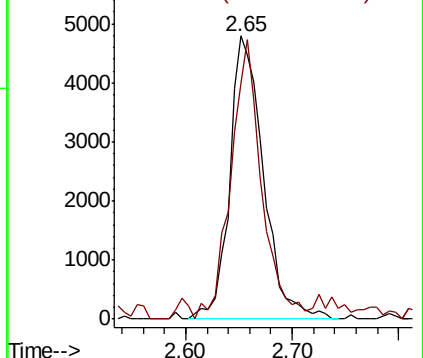
94 100

96 79.5 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: 2.769 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003121.D

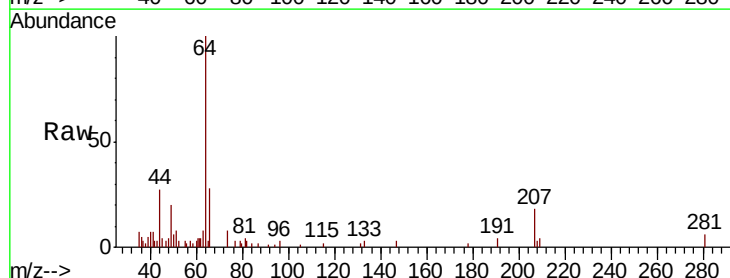
Acq: 07 Jul 2020 13:05

Tgt Ion: 64 Resp: 8069

Ion Ratio Lower Upper

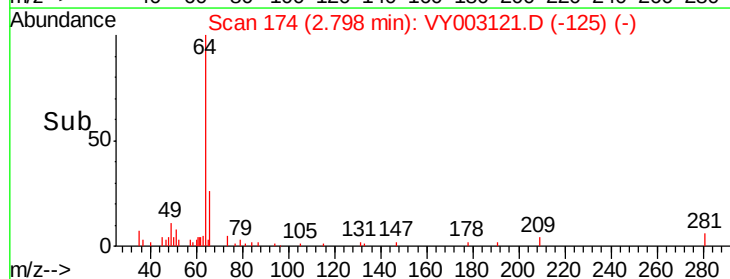
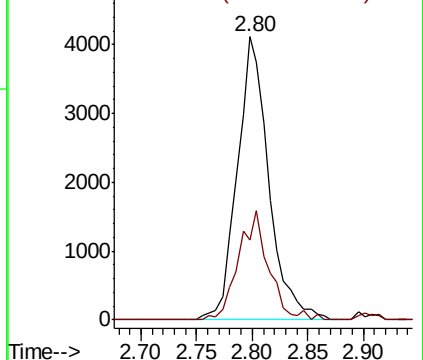
64 100

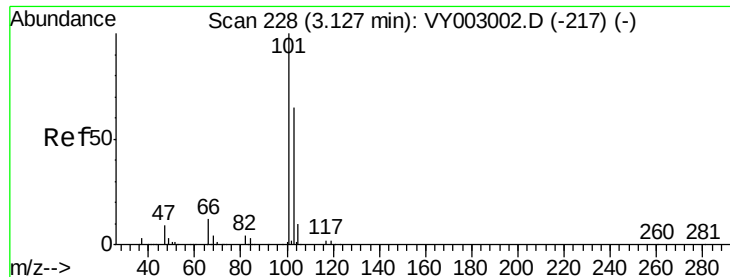
66 28.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



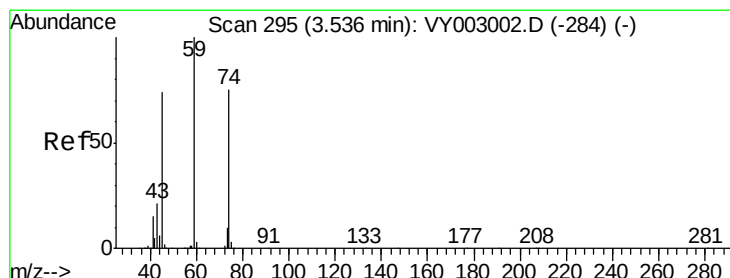
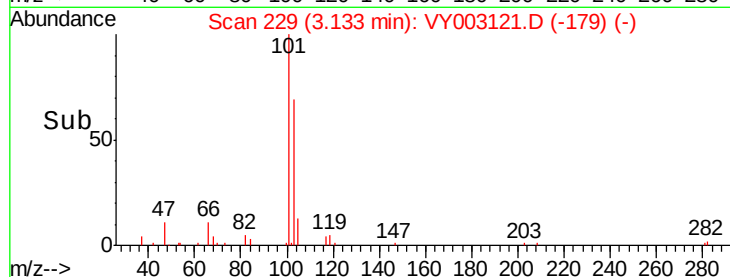
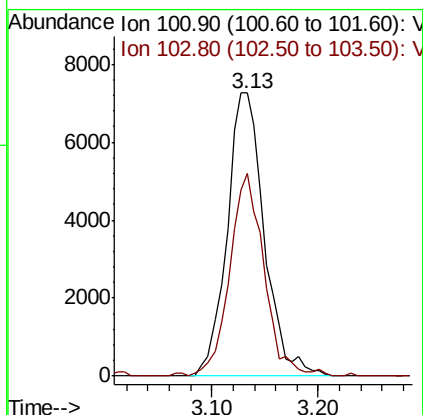
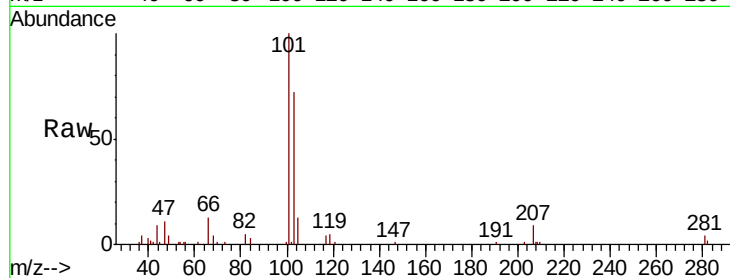


#7

Trichlorofluoromethane
Concen: 2.751 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

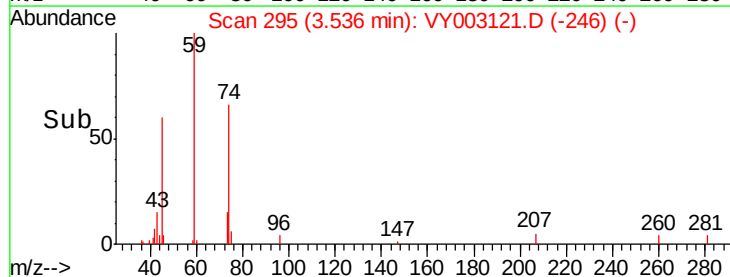
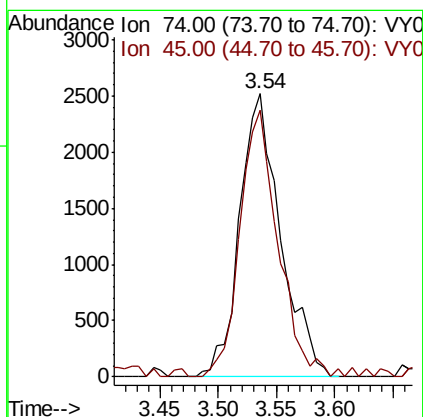
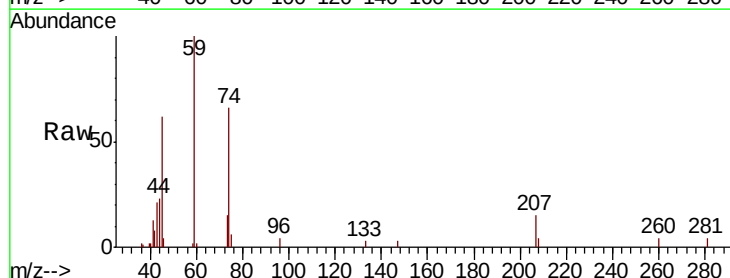
Tot Ion:101 Resp: 17790
Ion Ratio Lower Upper
101 100
103 71.6 51.6 77.4

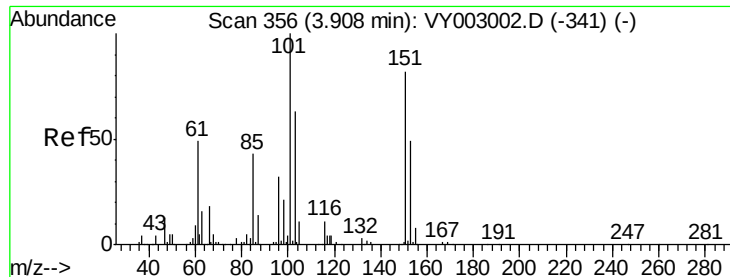


#8

Diethyl Ether
Concen: 2.788 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 74 Resp: 6181
Ion Ratio Lower Upper
74 100
45 87.6 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.800 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

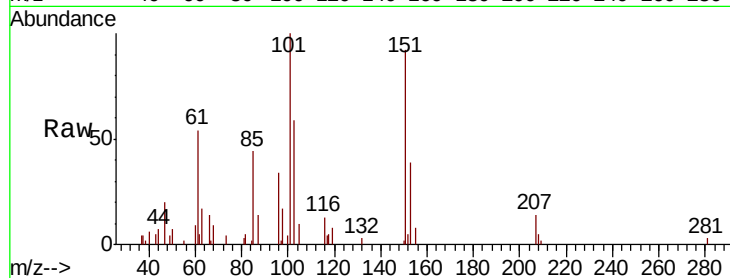
Tot Ion:101 Resp: 10809

Ion Ratio Lower Upper

101 100

85 47.6 35.5 53.3

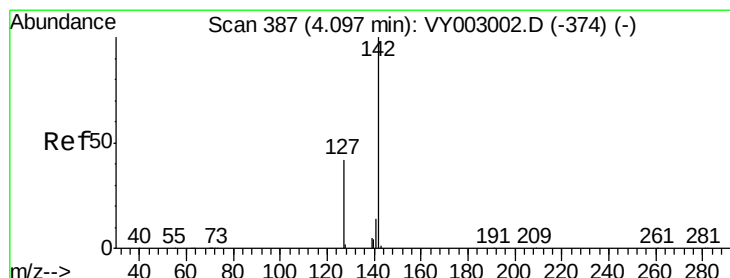
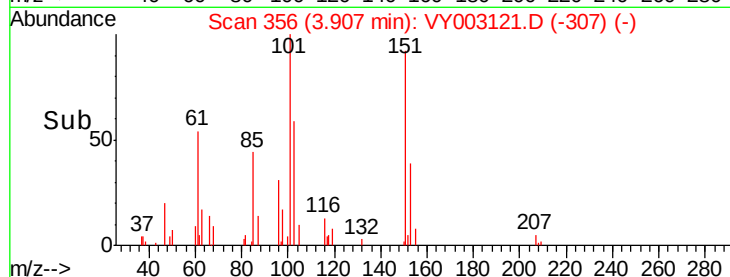
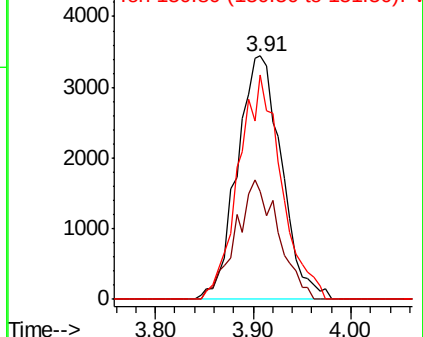
151 89.7 65.5 98.3



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: 2.677 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

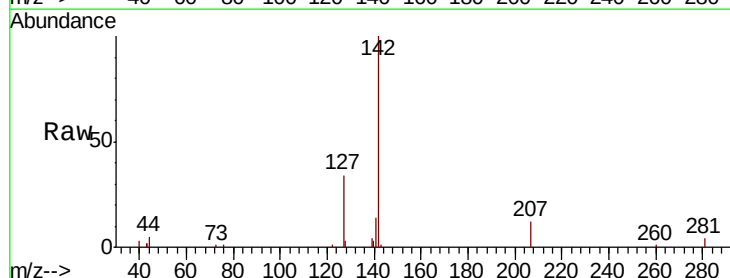
Tgt Ion:142 Resp: 12818

Ion Ratio Lower Upper

142 100

127 43.8 34.2 51.2

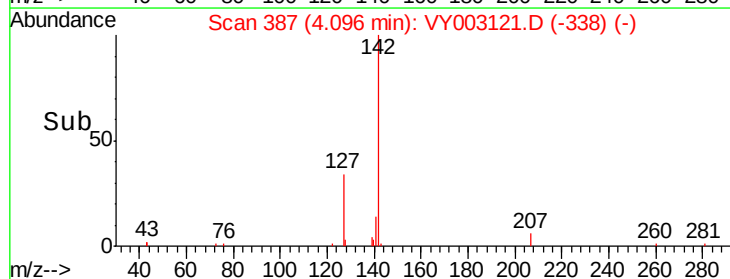
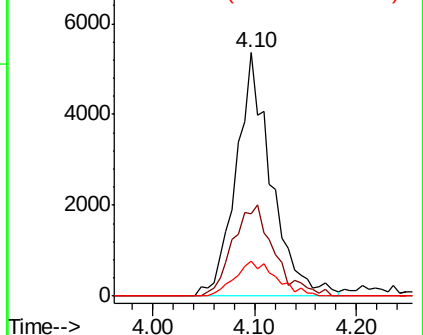
141 16.9 11.7 17.5

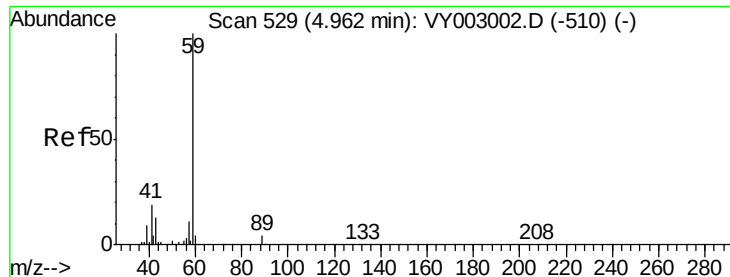


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



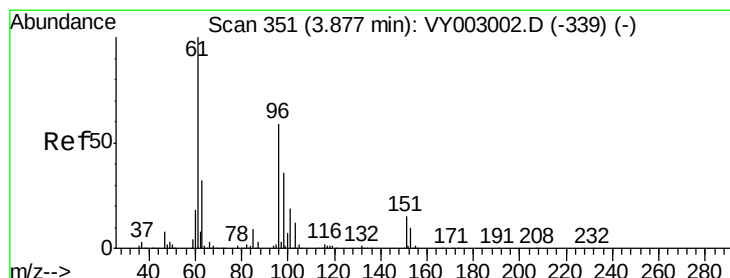
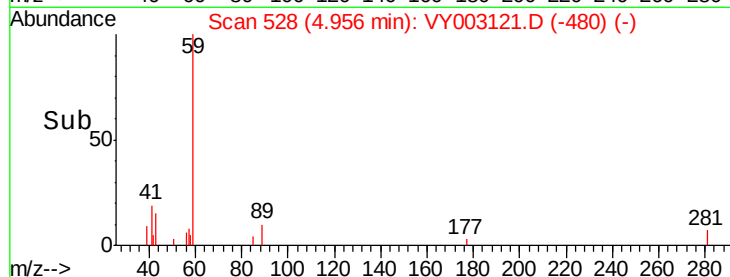
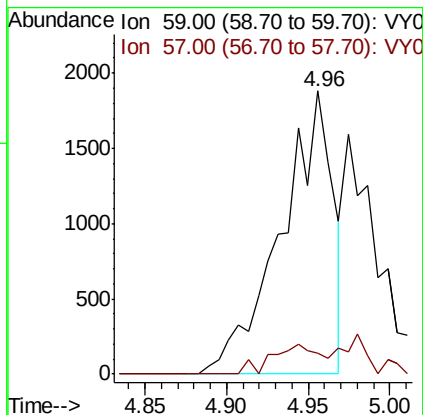
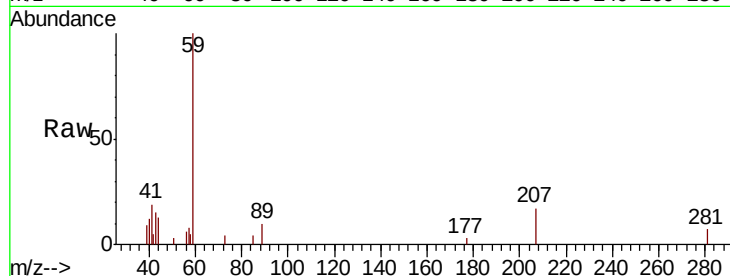


#11

Tert butyl alcohol
 Concen: 9.663 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

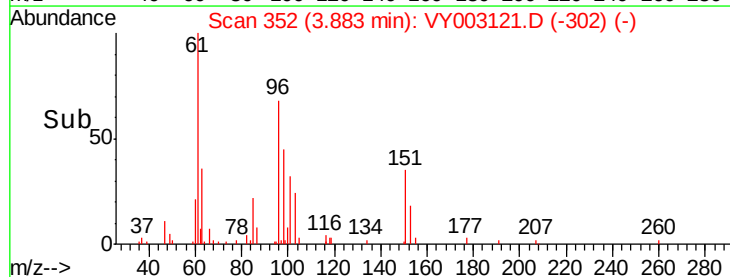
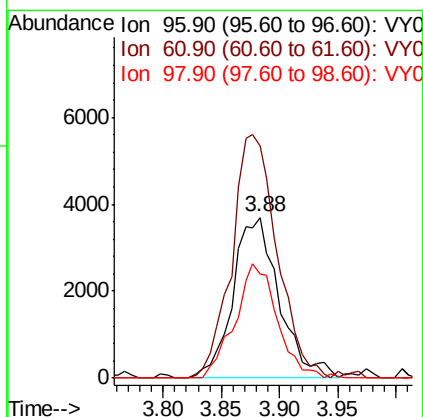
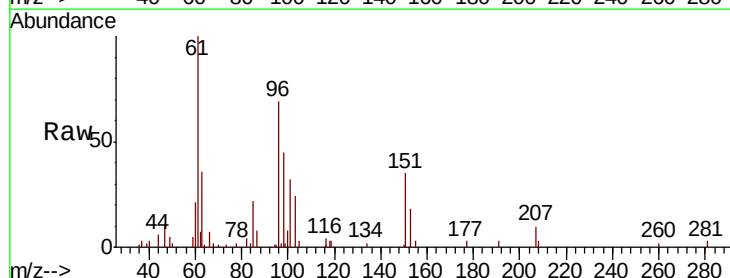
Tot Ion: 59 Resp: 4142
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

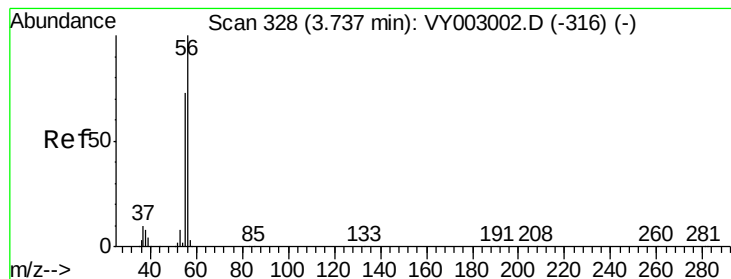


#12

1,1-Dichloroethene
 Concen: 2.788 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 96 Resp: 10240
 Ion Ratio Lower Upper
 96 100
 61 144.3 136.7 205.1
 98 64.4 49.7 74.5





#13

Acrolein

Concen: 11.029 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

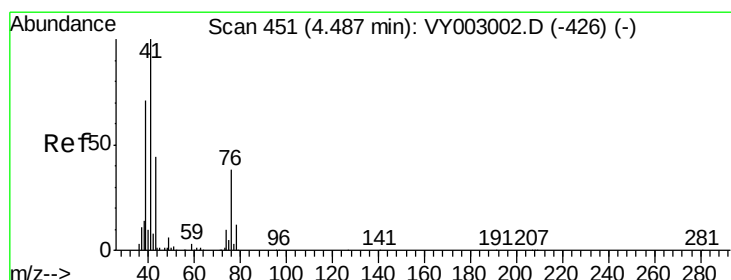
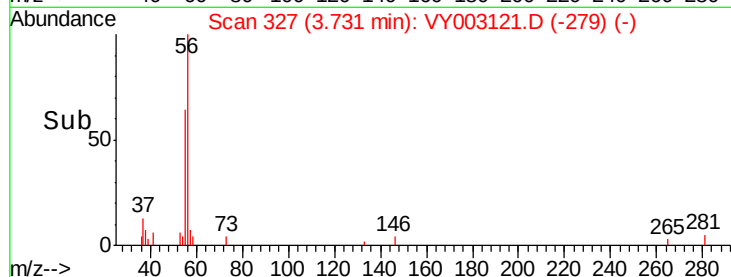
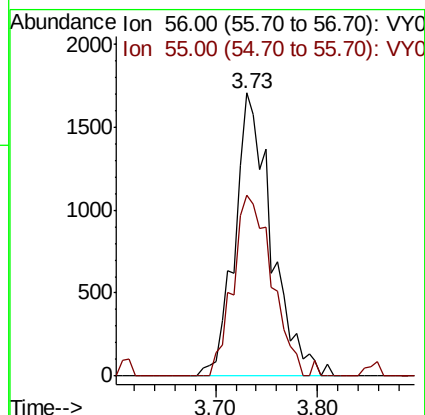
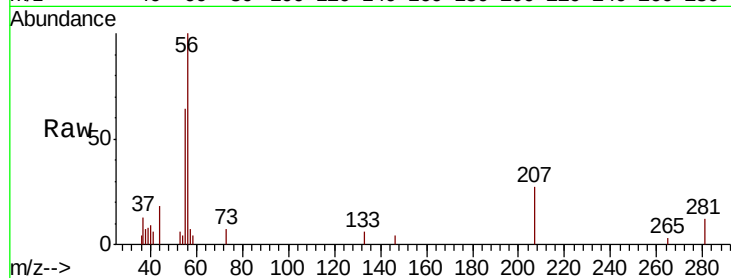
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 4246

Ion Ratio Lower Upper

56 100

55 67.5 56.4 84.6



#14

Allyl chloride

Concen: 2.272 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

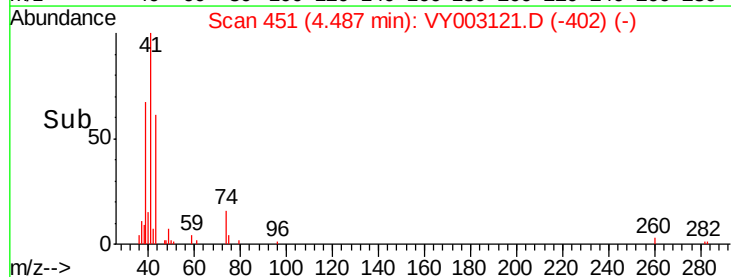
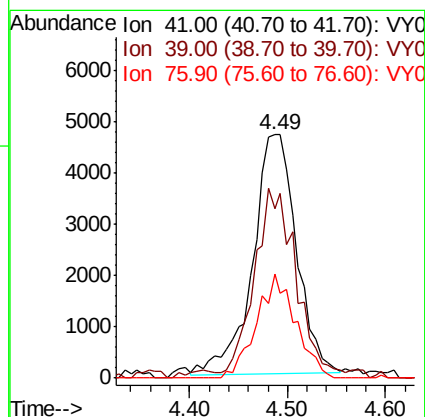
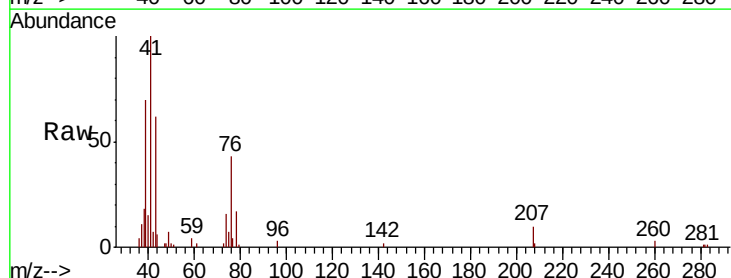
Tgt Ion: 41 Resp: 14571

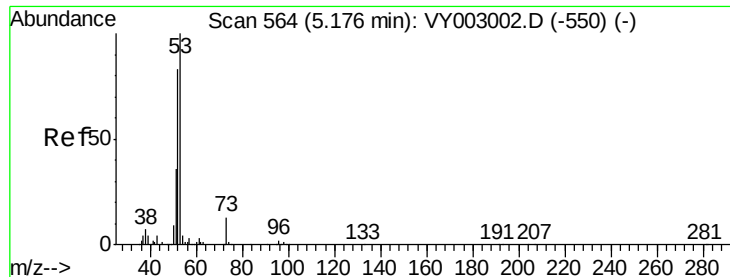
Ion Ratio Lower Upper

41 100

39 71.8 55.6 83.4

76 38.7 28.6 43.0





#15

Acrylonitrile

Concen: 12.055 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

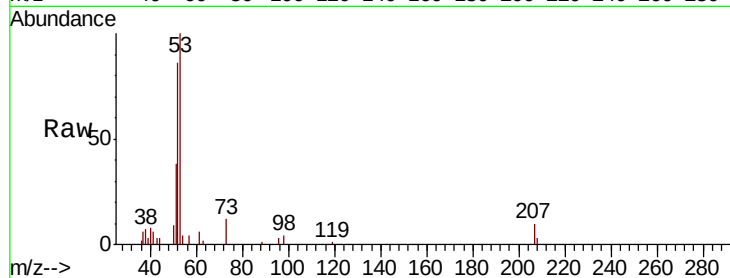
Tot Ion: 53 Resp: 13772

Ion Ratio Lower Upper

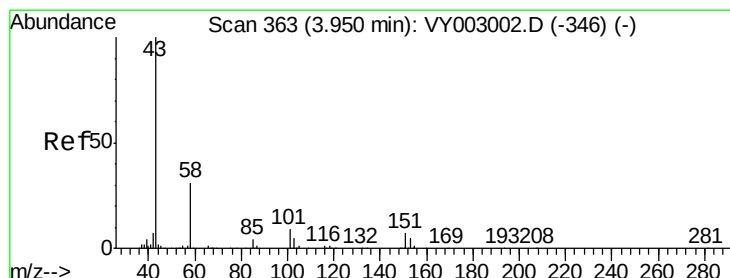
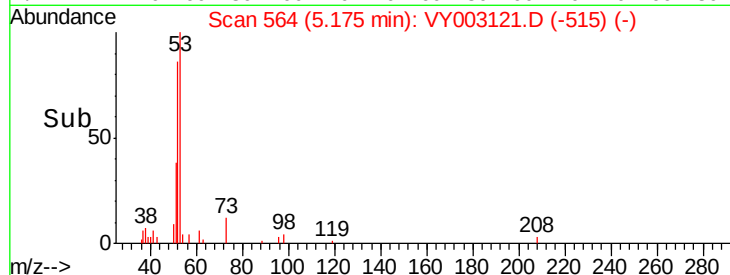
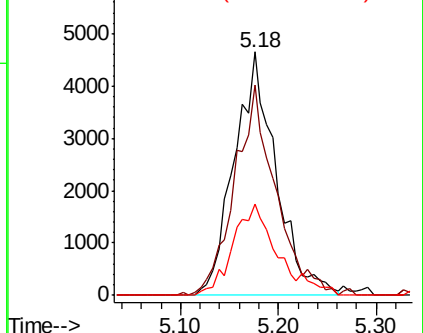
53 100

52 84.8 66.2 99.2

51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 13.099 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003121.D

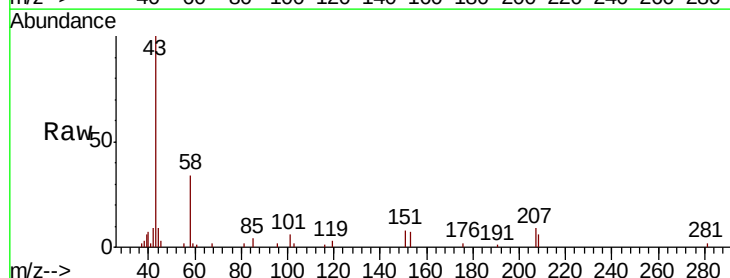
Acq: 07 Jul 2020 13:05

Tgt Ion: 43 Resp: 12994

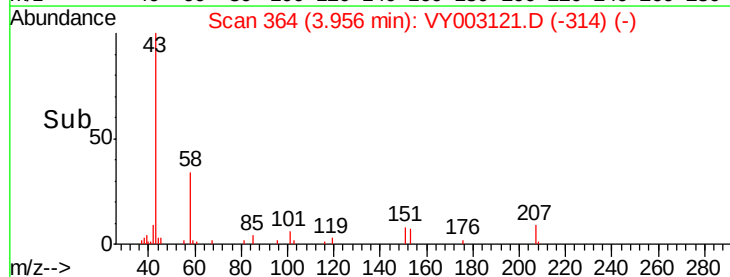
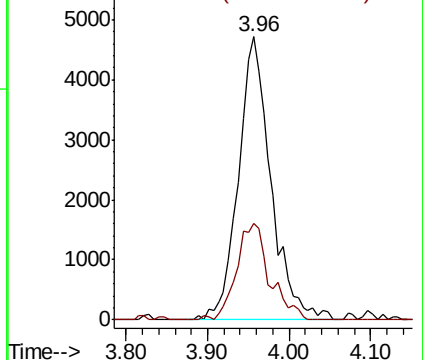
Ion Ratio Lower Upper

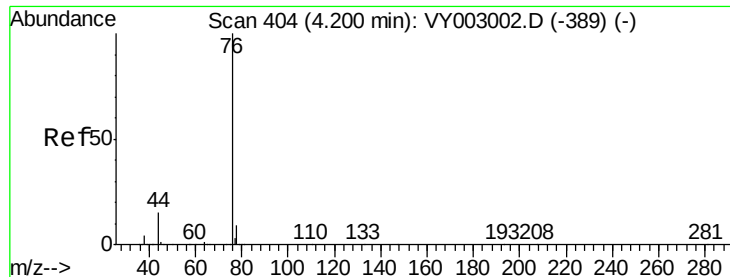
43 100

58 34.3 24.7 37.1



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





#17

Carbon Disulfide

Concen: 2.619 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

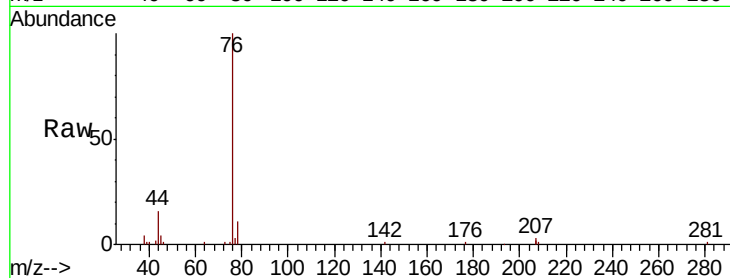
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 30743

Ion Ratio Lower Upper

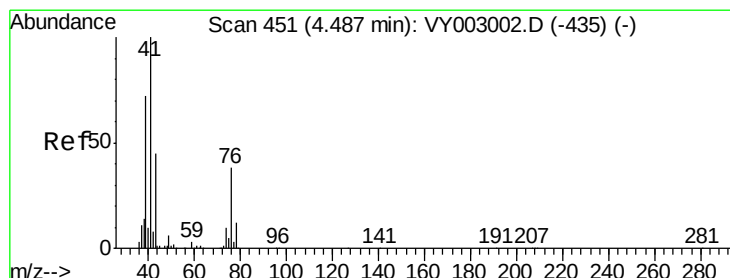
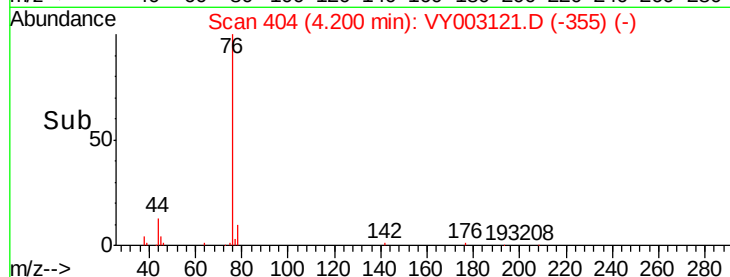
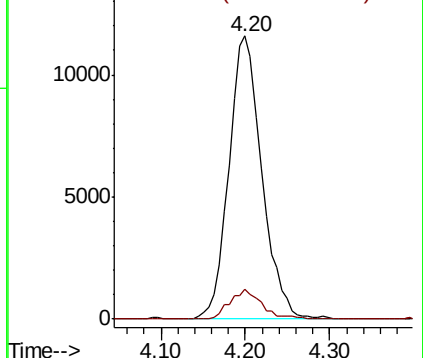
76 100

78 10.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 3.310 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003121.D

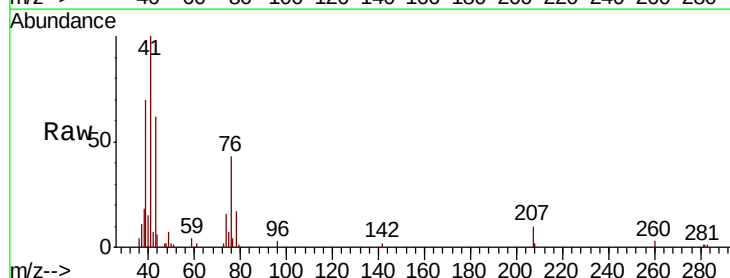
Acq: 07 Jul 2020 13:05

Tgt Ion: 43 Resp: 8845

Ion Ratio Lower Upper

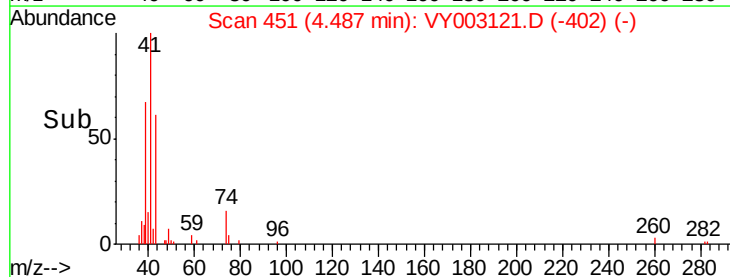
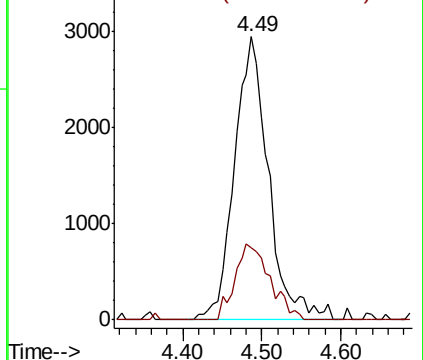
43 100

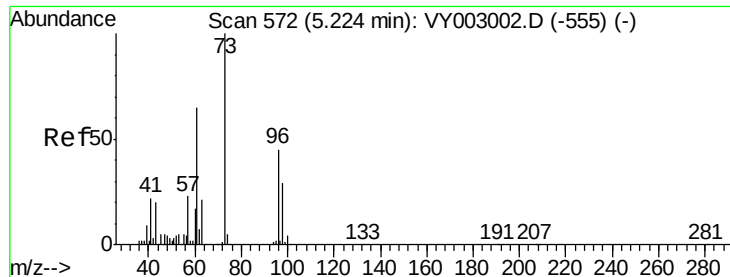
74 27.9 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



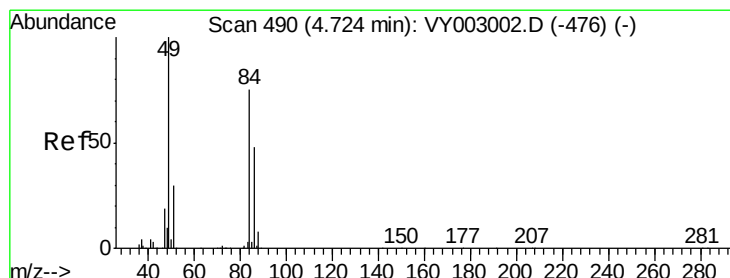
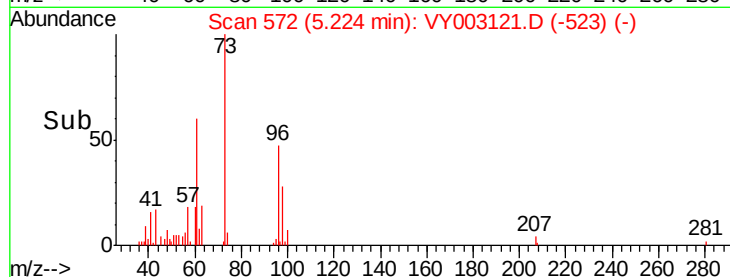
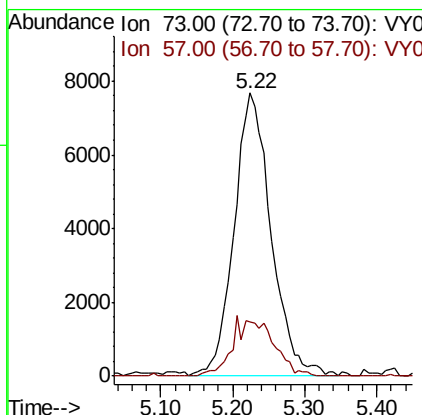
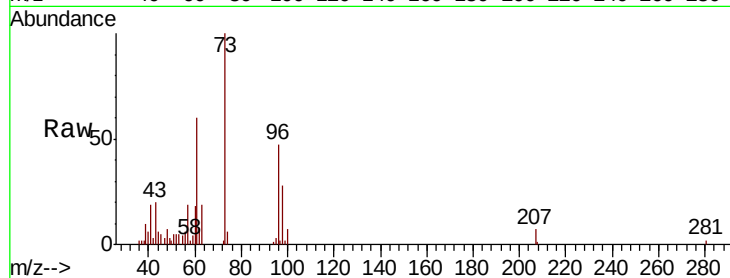


#19

Methyl tert-butyl Ether
 Concen: 2.565 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

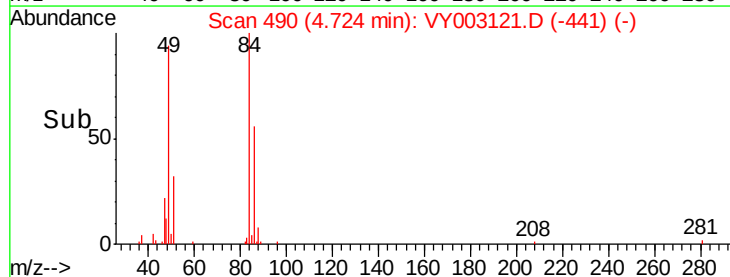
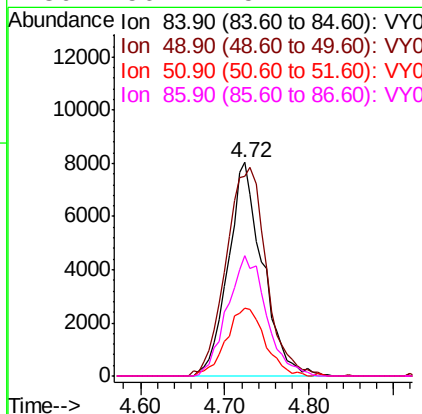
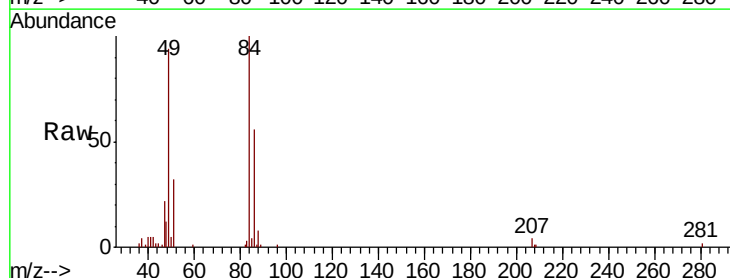
Tot Ion: 73 Resp: 27464
 Ion Ratio Lower Upper
 73 100
 57 19.3 18.2 27.2

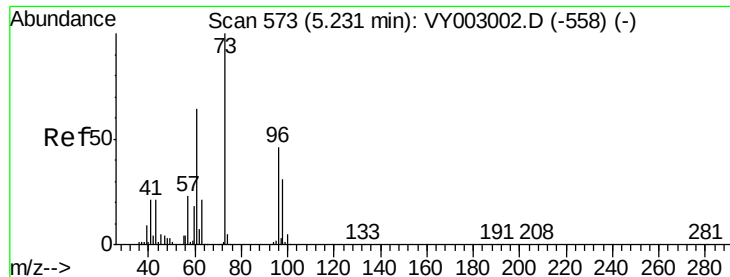


#20

Methylene Chloride
 Concen: 4.047 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 84 Resp: 22406
 Ion Ratio Lower Upper
 84 100
 49 93.6 106.8 160.2#
 51 31.9 32.0 48.0#
 86 56.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 2.753 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

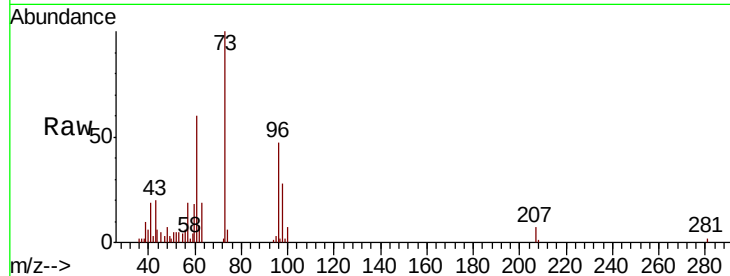
Tot Ion: 96 Resp: 11439

Ion Ratio Lower Upper

96 100

61 126.8 112.3 168.5

98 58.6 53.8 80.8

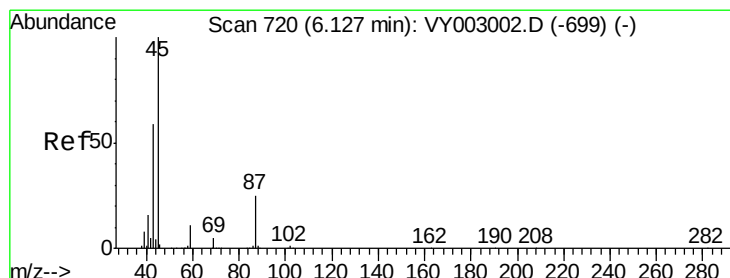
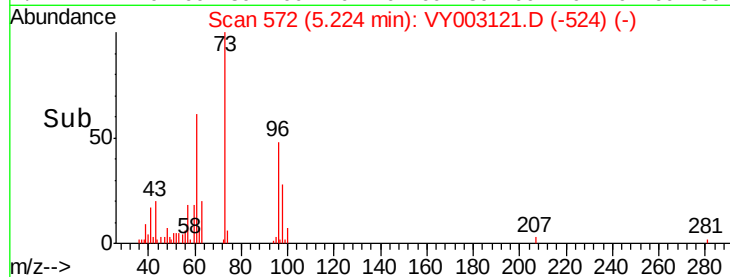
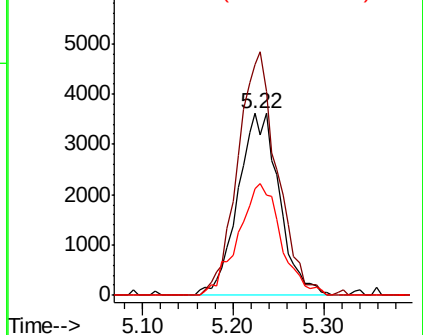


Abundance

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: 2.317 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion: 45 Resp: 31846

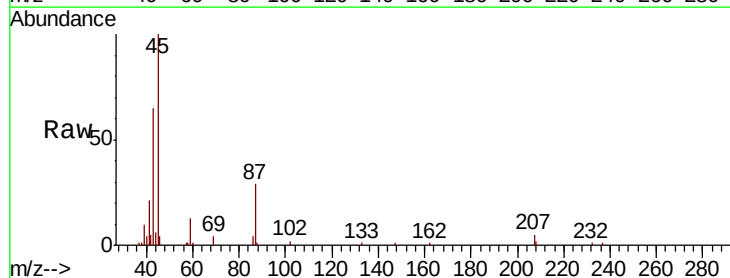
Ion Ratio Lower Upper

45 100

43 64.9 47.4 71.2

87 29.3 20.2 30.2

59 12.5 9.2 13.8



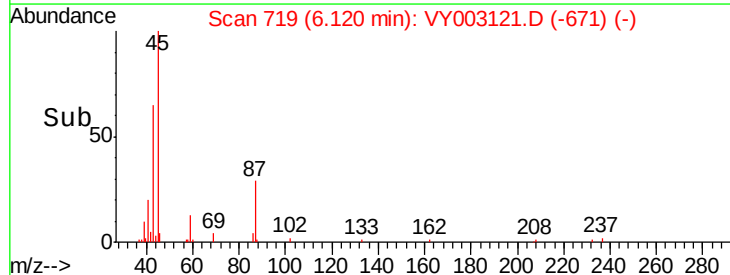
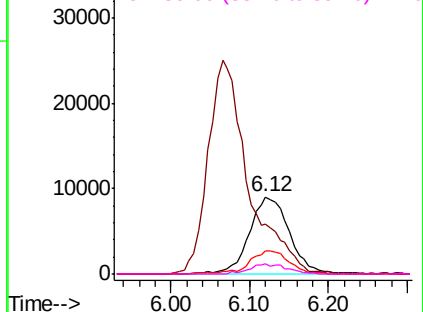
Abundance

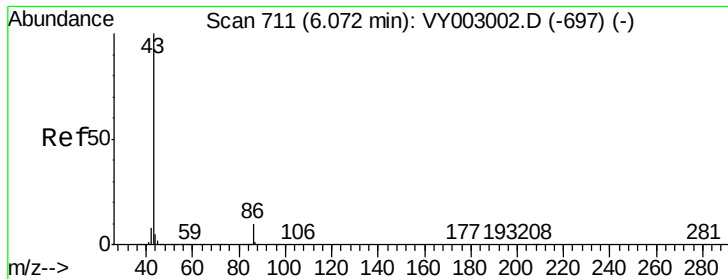
Ion 45.00 (44.70 to 45.70): VY0

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: 9.709 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

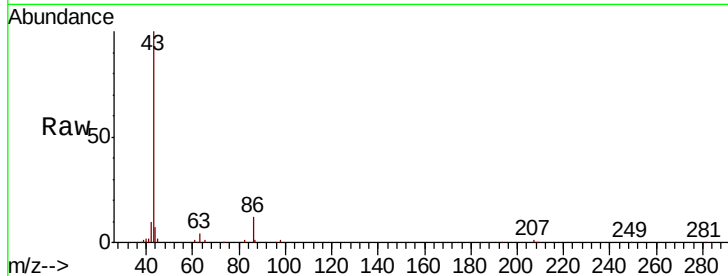
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 89232

Ion Ratio Lower Upper

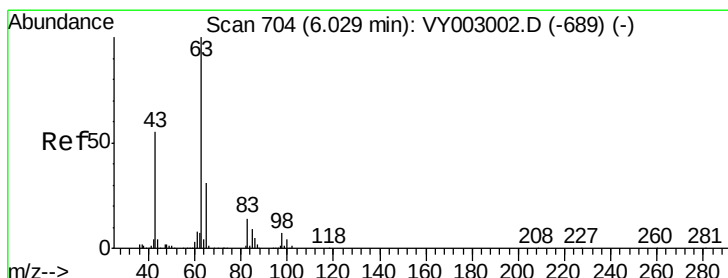
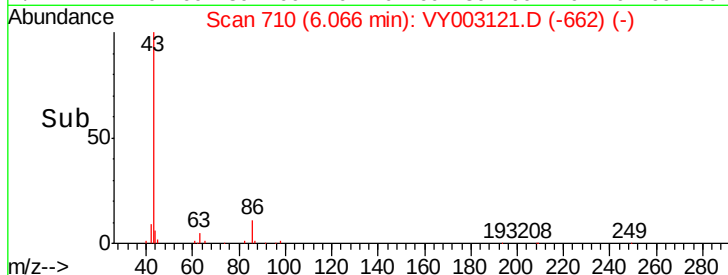
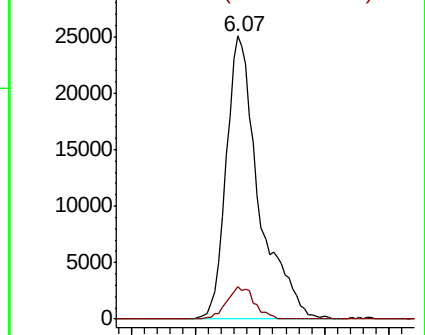
43 100

86 11.6 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: 2.584 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

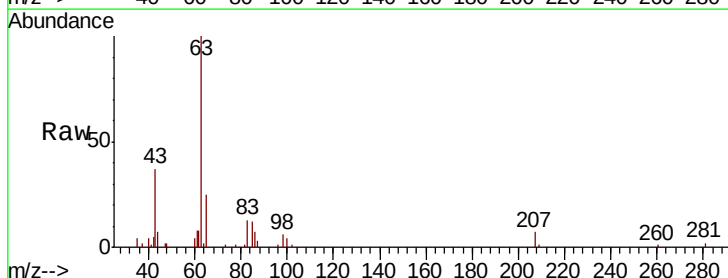
Tgt Ion: 63 Resp: 19403

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

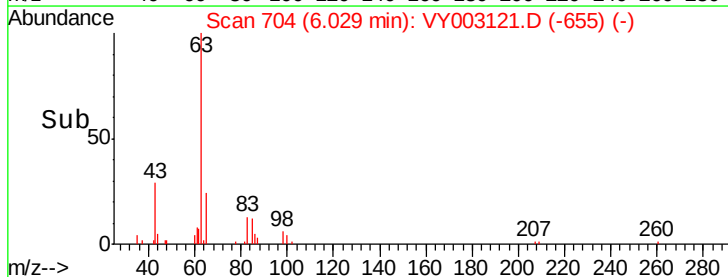
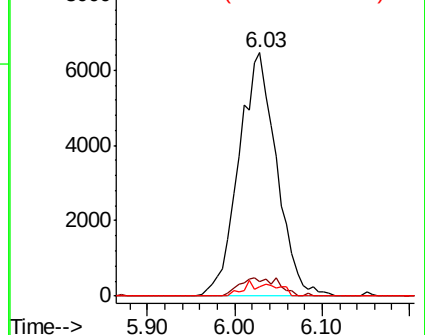
100 4.1 2.3 6.8

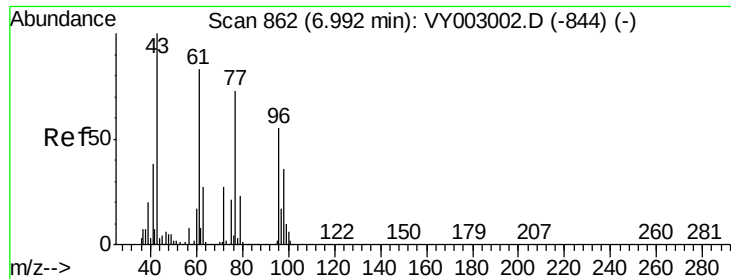


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

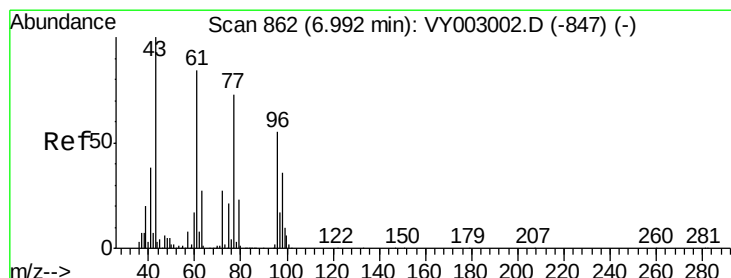
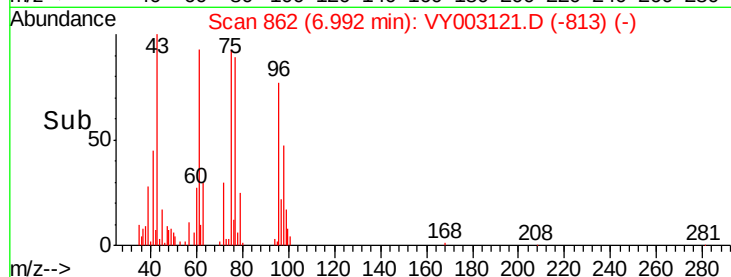
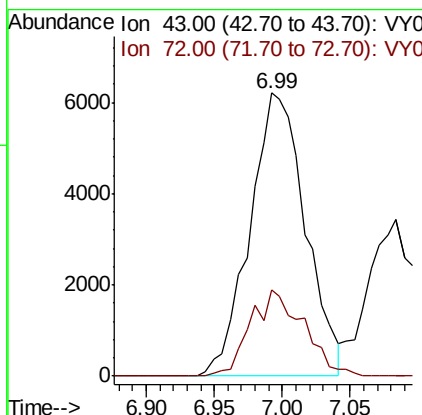
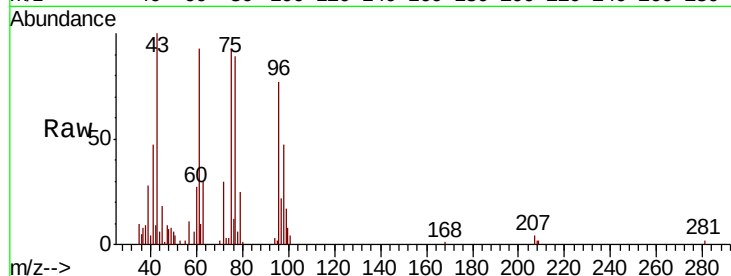




#25
2-Butanone
Concen: 11.234 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

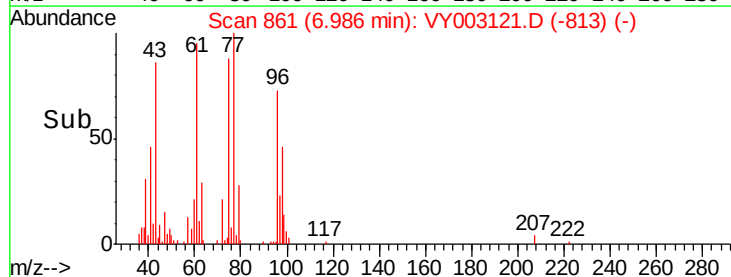
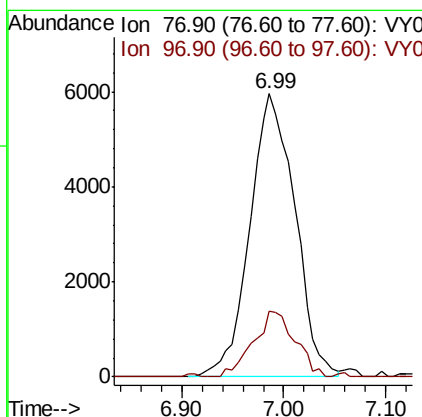
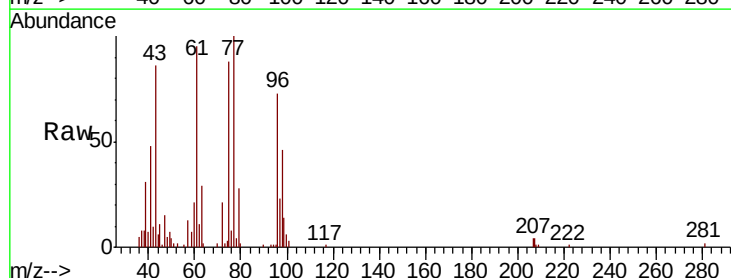
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

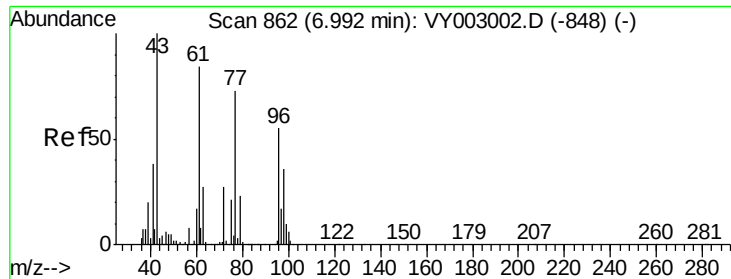
Tot Ion: 43 Resp: 17702
Ion Ratio Lower Upper
43 100
72 30.4 21.4 32.0



#26
2,2-Dichloropropane
Concen: 2.676 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 77 Resp: 18256
Ion Ratio Lower Upper
77 100
97 21.5 11.3 33.9



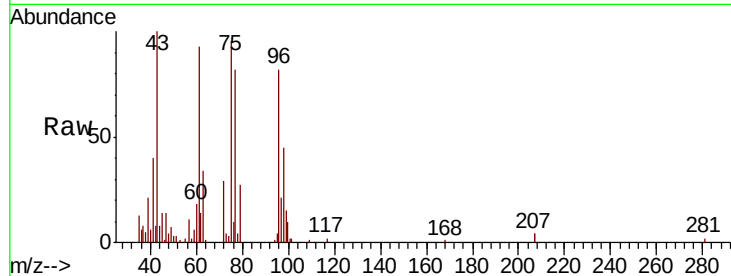


#27

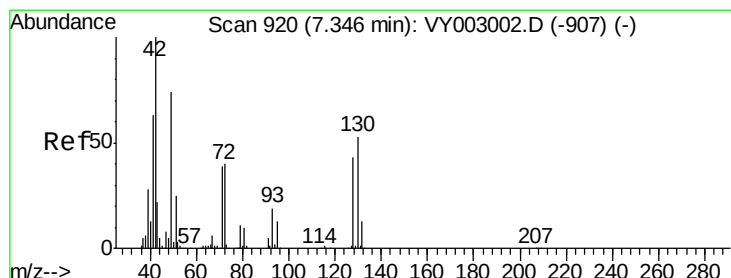
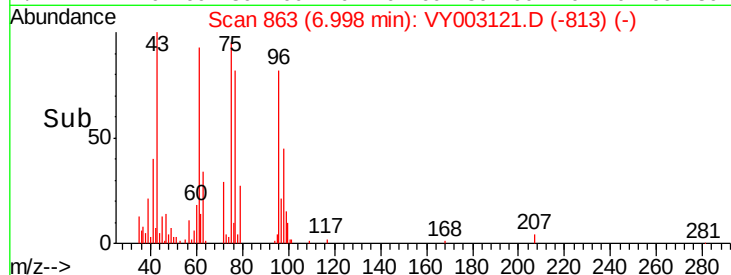
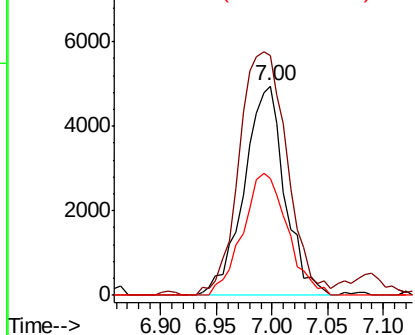
cis-1,2-Dichloroethene
Concen: 2.724 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 96 Resp: 12694
Ion Ratio Lower Upper
96 100
61 136.3 0.0 301.2
98 63.4 0.0 129.0



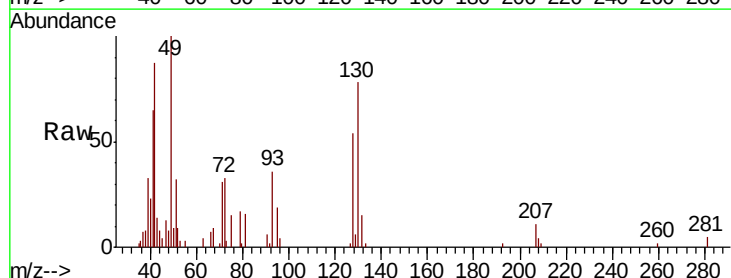
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



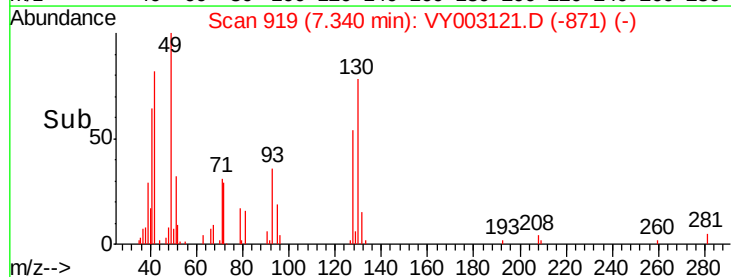
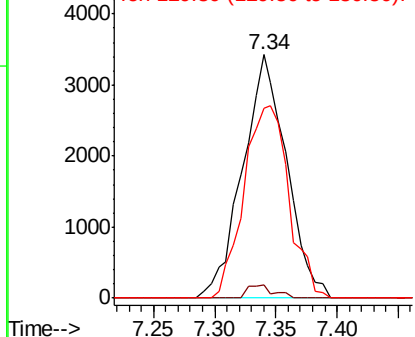
#28

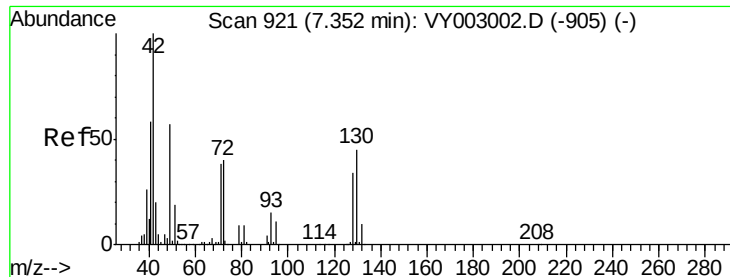
Bromochloromethane
Concen: 2.556 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 49 Resp: 8539
Ion Ratio Lower Upper
49 100
129 3.2 0.0 4.4
130 81.1 57.0 85.6



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

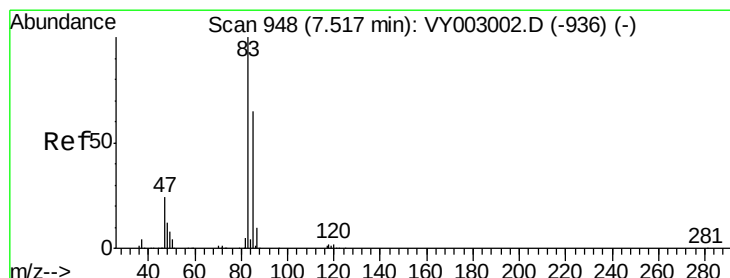
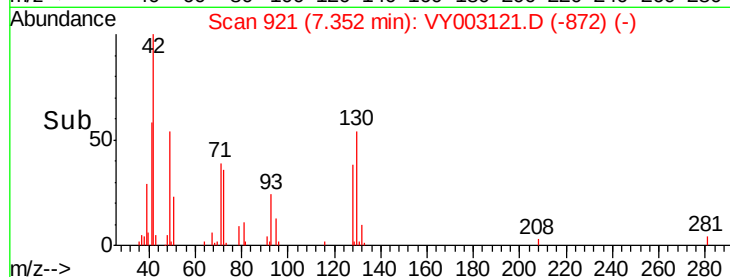
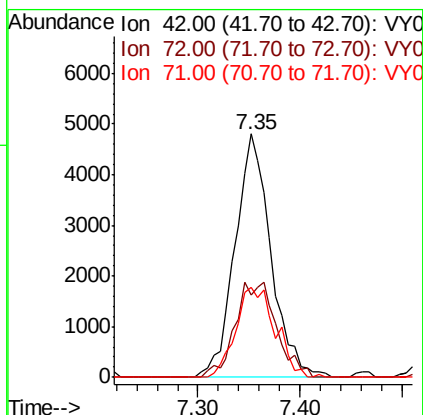
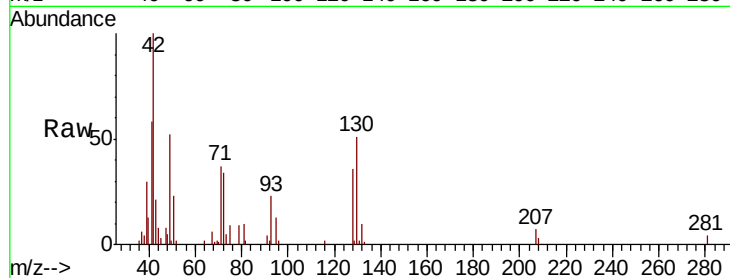




#29
Tetrahydrofuran
Concen: 11.191 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

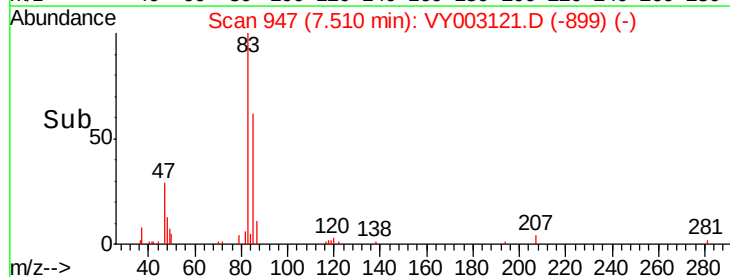
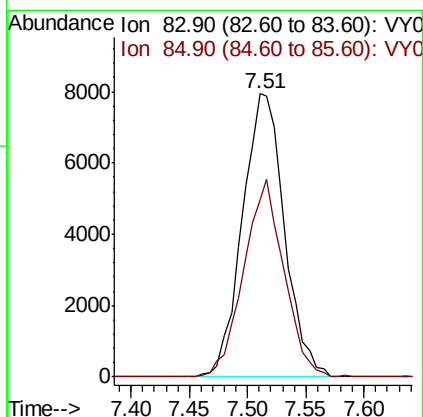
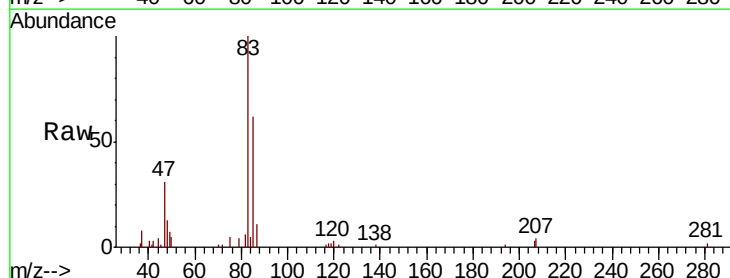
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

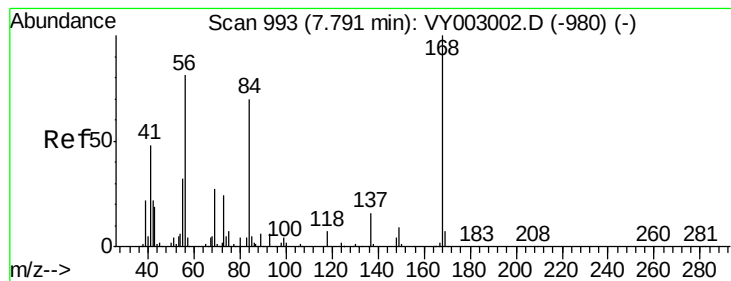
Tot Ion: 42 Resp: 11727
Ion Ratio Lower Upper
42 100
72 44.8 32.9 49.3
71 40.6 31.2 46.8



#30
Chloroform
Concen: 2.676 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 83 Resp: 19904
Ion Ratio Lower Upper
83 100
85 62.4 51.7 77.5





#31

Cyclohexane

Concen: 3.344 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

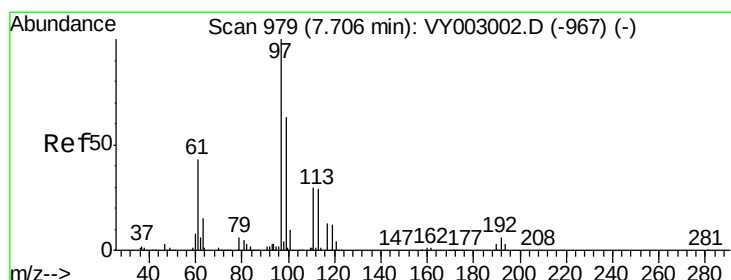
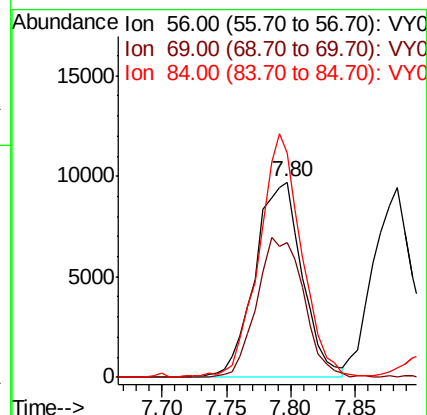
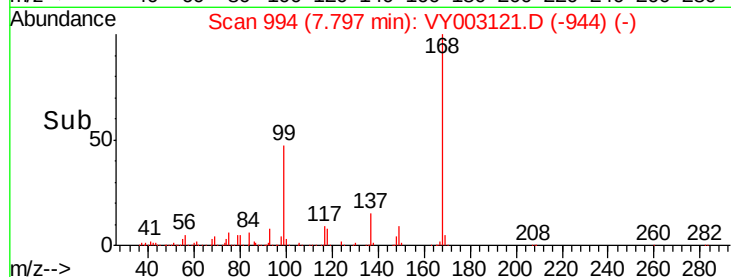
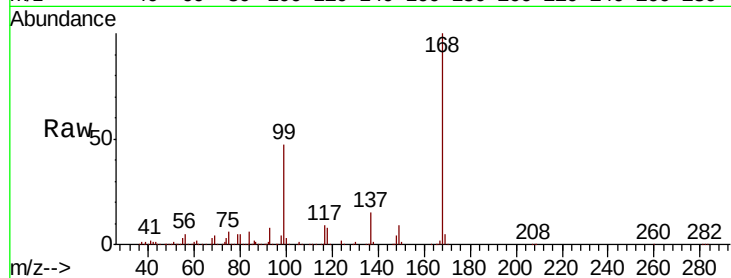
Tot Ion: 56 Resp: 24741

Ion Ratio Lower Upper

56 100

69 68.9 27.0 40.4#

84 113.6 68.1 102.1#



#32

1,1,1-Trichloroethane

Concen: 2.522 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

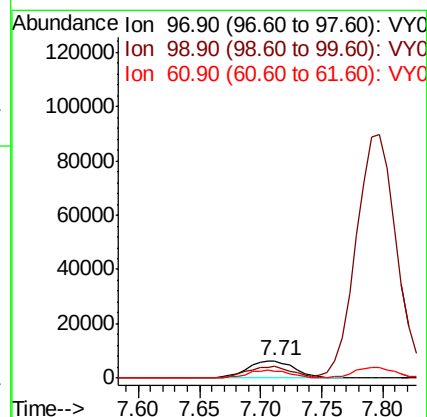
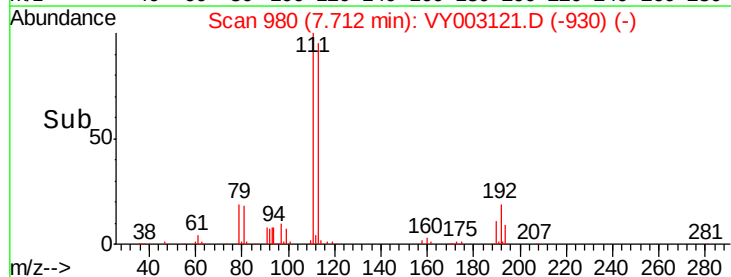
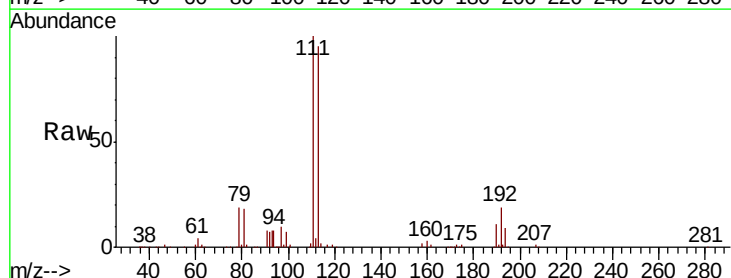
Tgt Ion: 97 Resp: 17126

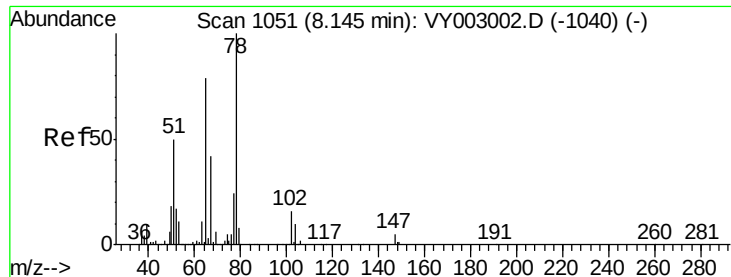
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.2

61 43.0 33.9 50.9

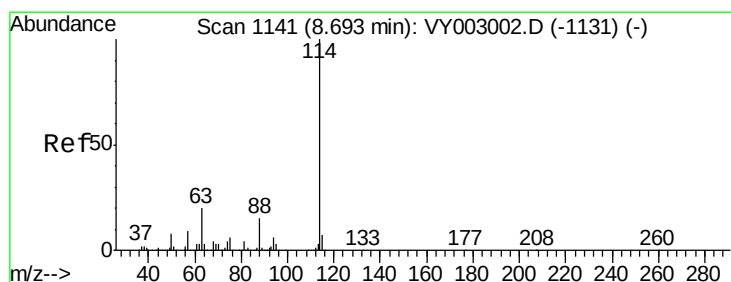
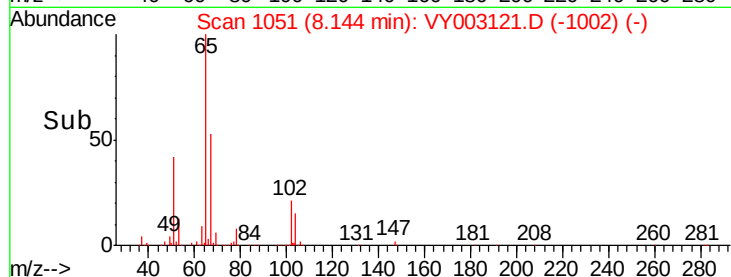
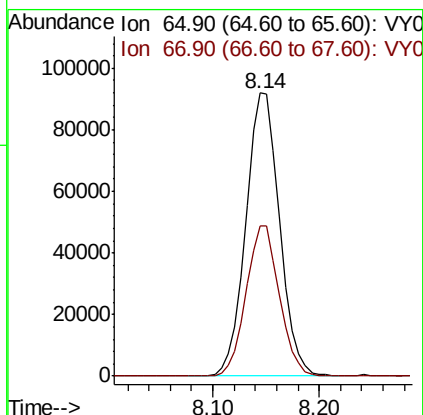
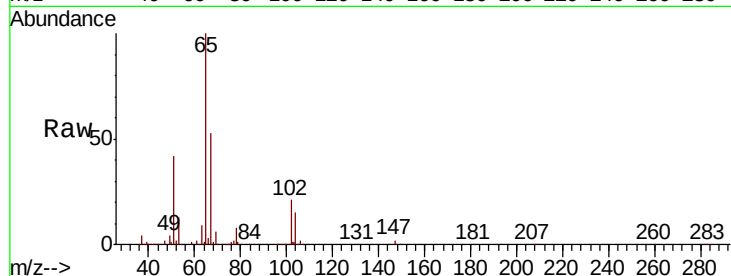




#33
 1,2-Dichloroethane-d4
 Concen: 48.639 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

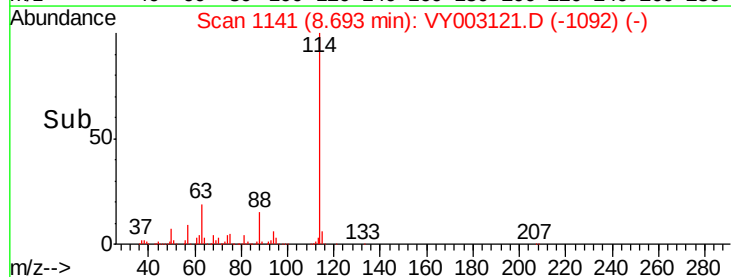
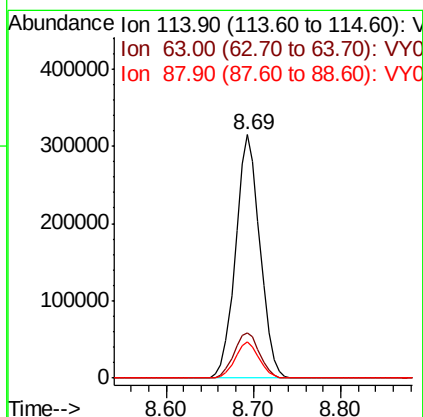
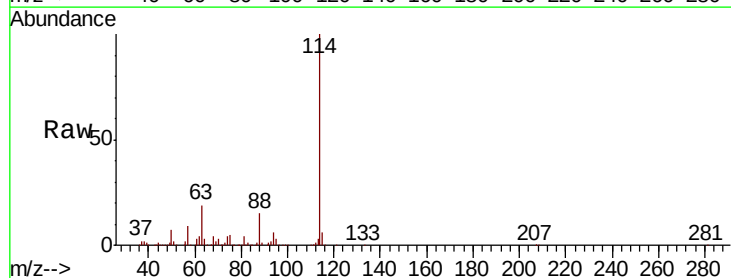
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

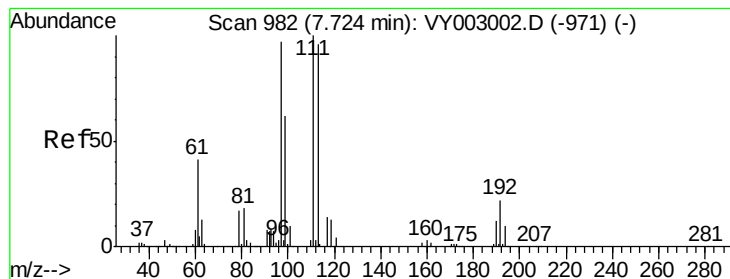
Tot Ion: 65 Resp: 204583
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 114 Resp: 608449
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.6
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.157 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

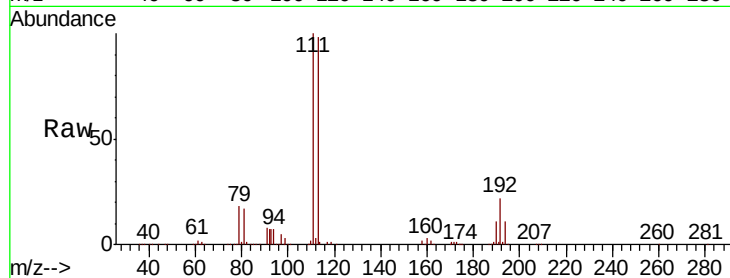
Tot Ion:113 Resp: 201762

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

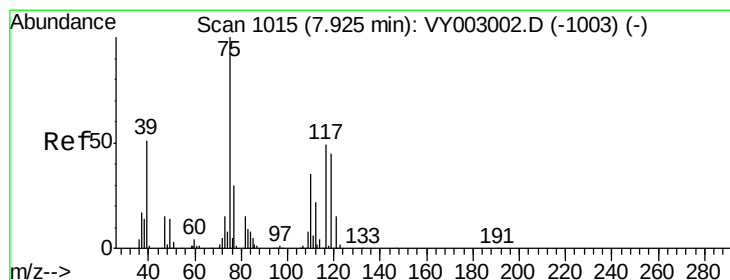
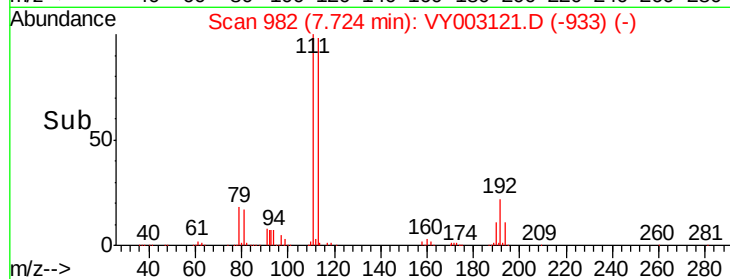
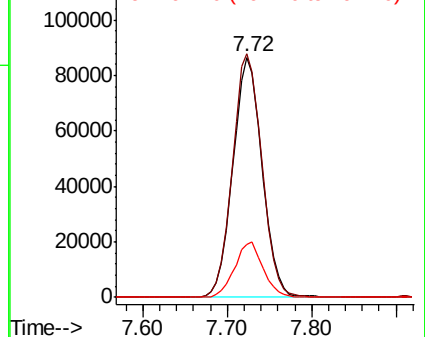
192 22.5 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.548 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

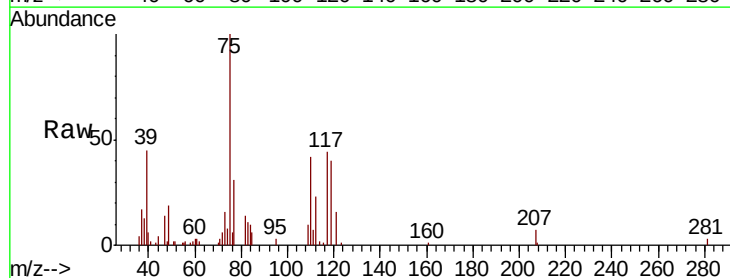
Tgt Ion: 75 Resp: 14936

Ion Ratio Lower Upper

75 100

110 36.6 17.1 51.2

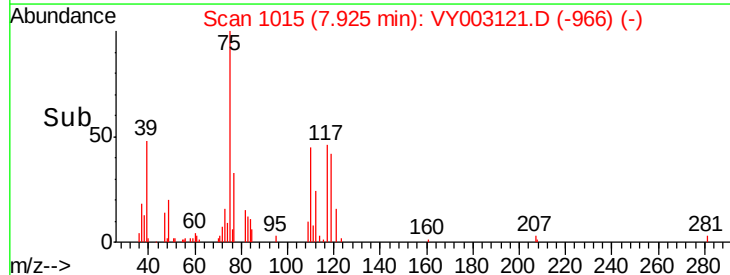
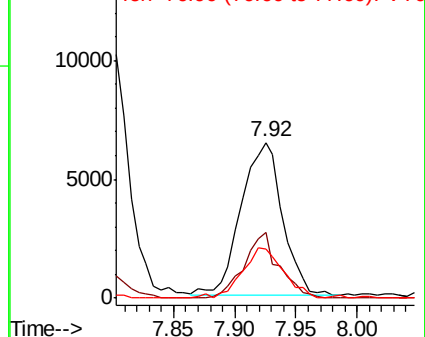
77 33.0 24.9 37.3

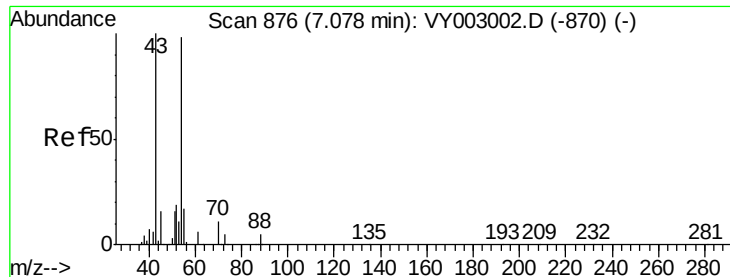


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

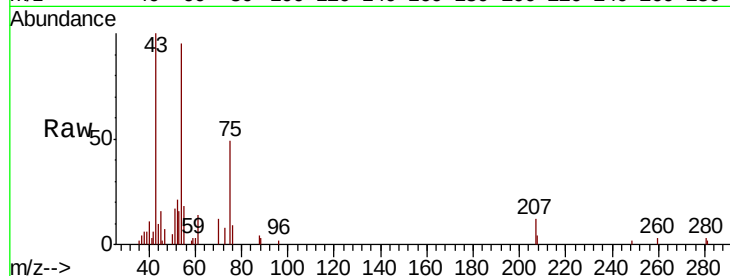




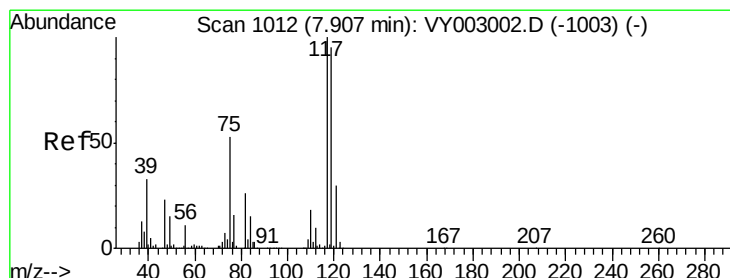
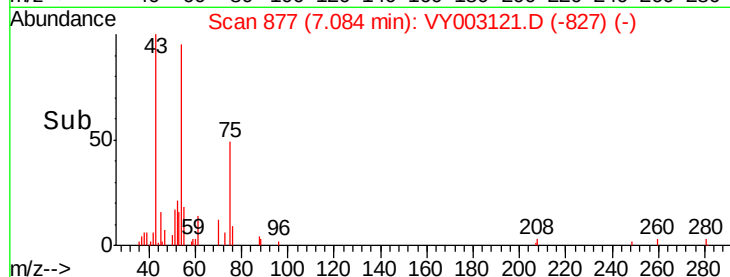
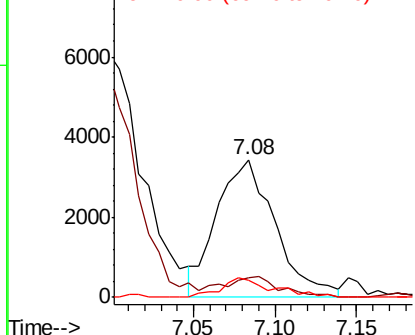
#37
Ethyl Acetate
Concen: 2.436 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 8583
Ion Ratio Lower Upper
43 100
61 14.9 10.4 15.6
70 12.5 7.7 11.5#

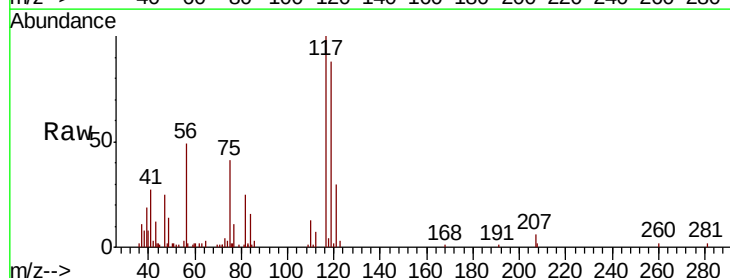


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

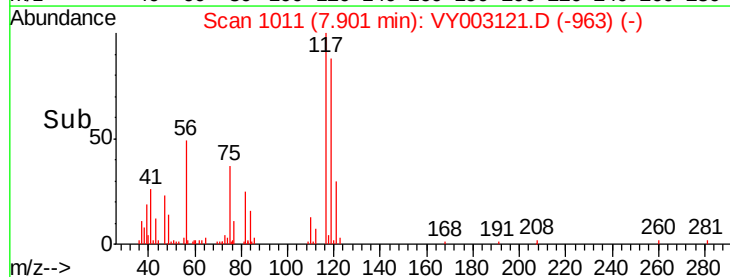
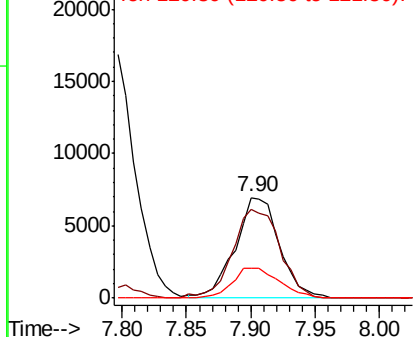


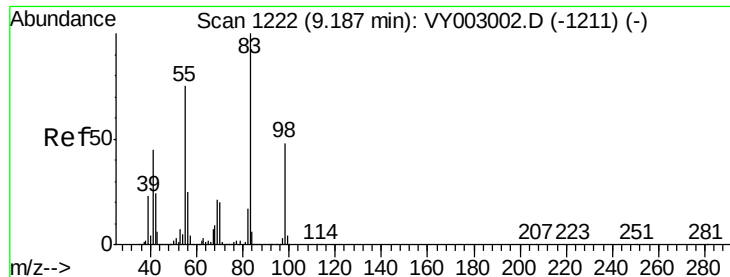
#38
Carbon Tetrachloride
Concen: 2.720 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 117 Resp: 16585
Ion Ratio Lower Upper
117 100
119 88.0 75.7 113.5
121 29.9 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

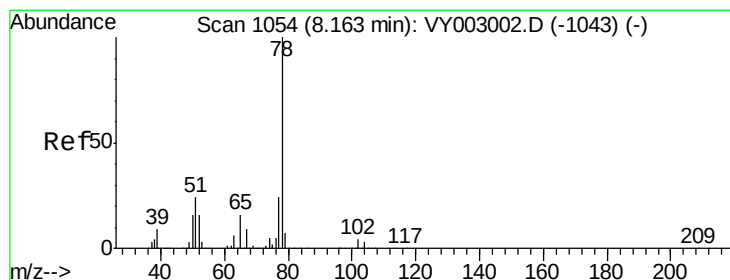
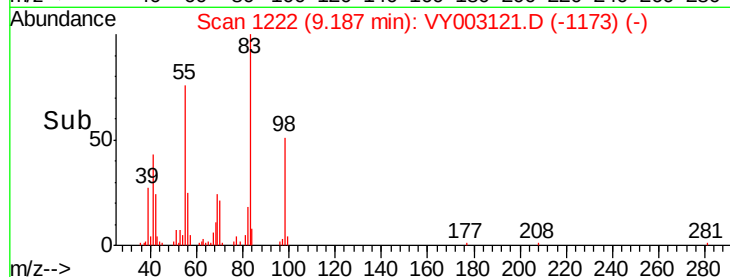
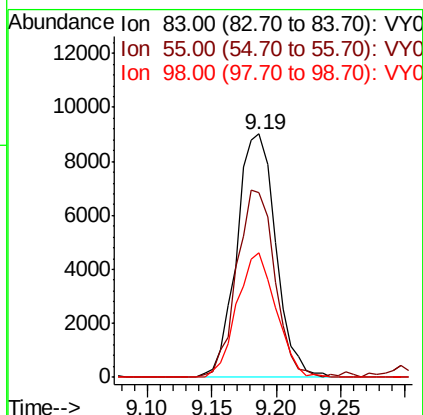
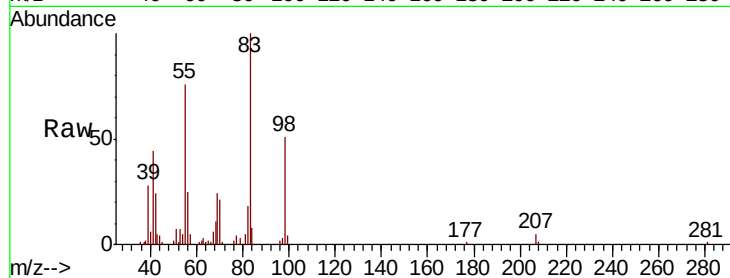




#39
Methylvlcyclohexane
Concen: 2.606 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

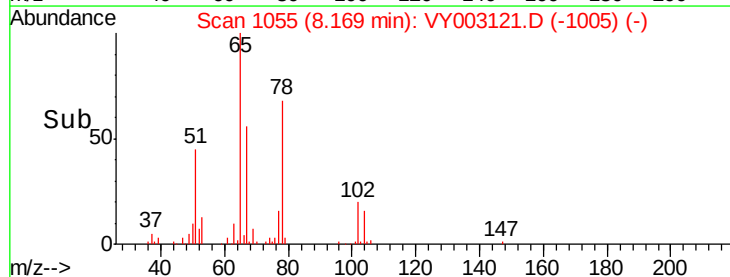
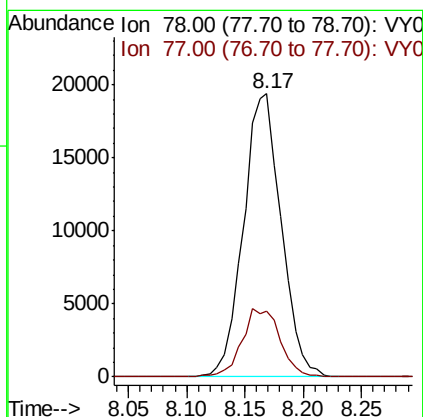
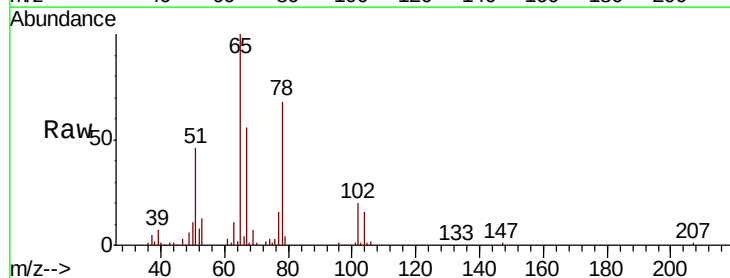
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

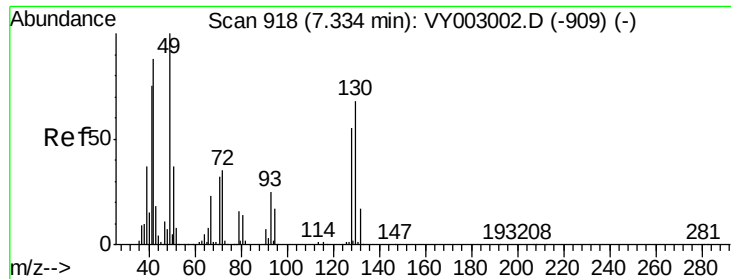
Tot Ion	83	Resp	18939
Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.9	89.9
98	51.0	38.7	58.1



#40
Benzene
Concen: 2.727 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	78	Resp	43759
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8

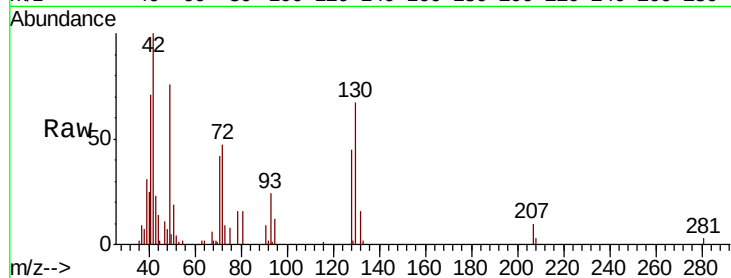




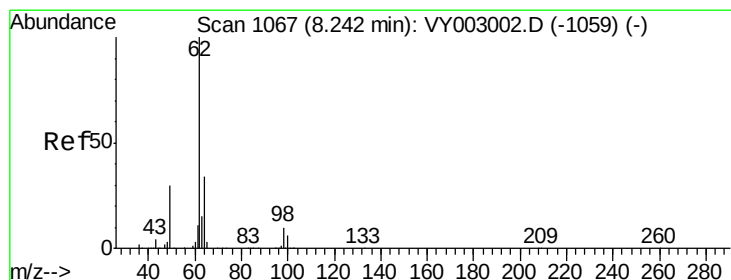
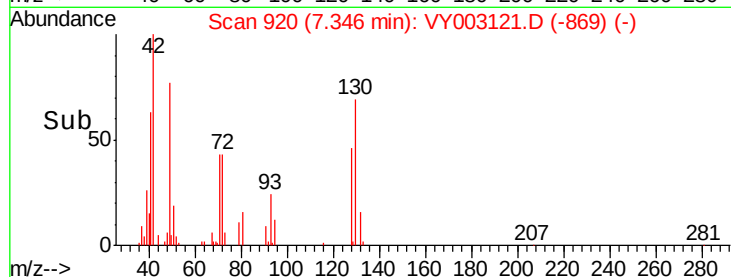
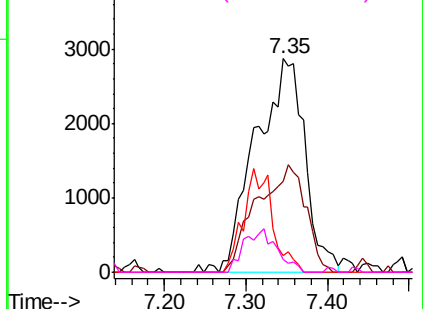
#41
Methacrylonitrile
Concen: 6.385 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	41	Resp:	12018
Ion	Ratio	Lower	Upper
41	100		
39	49.8	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

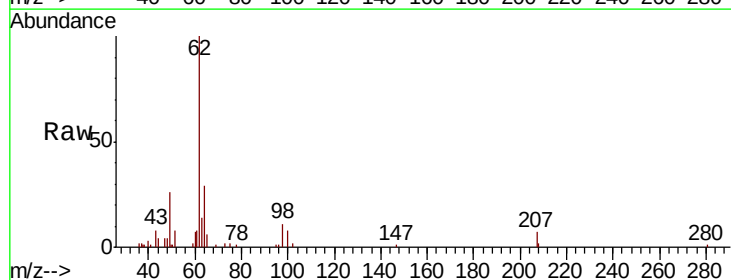


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

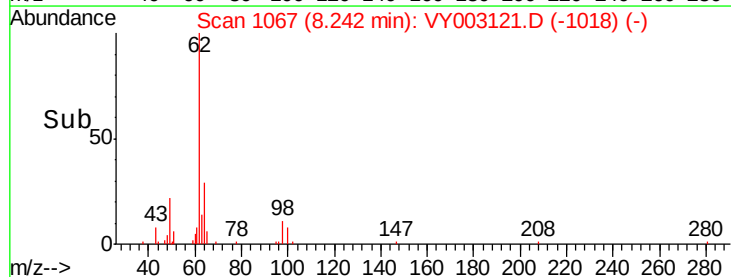
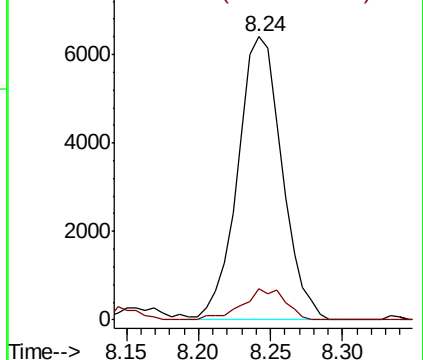


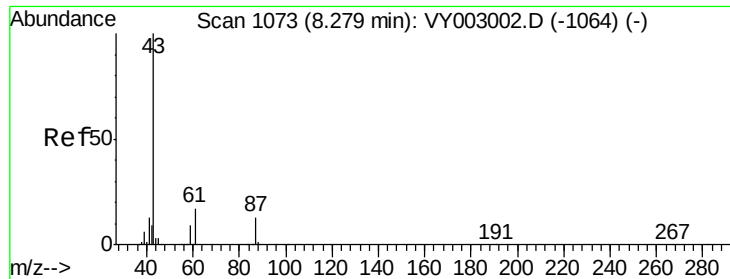
#42
1,2-Dichloroethane
Concen: 2.694 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion:	62	Resp:	13677
Ion	Ratio	Lower	Upper
62	100		
98	10.6	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: 2.337 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

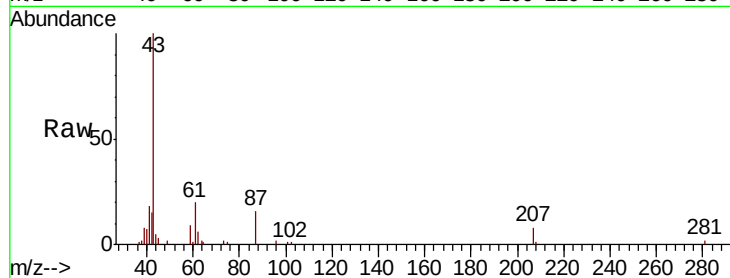
Tot Ion: 43 Resp: 15656

Ion Ratio Lower Upper

43 100

61 22.6 21.8 32.6

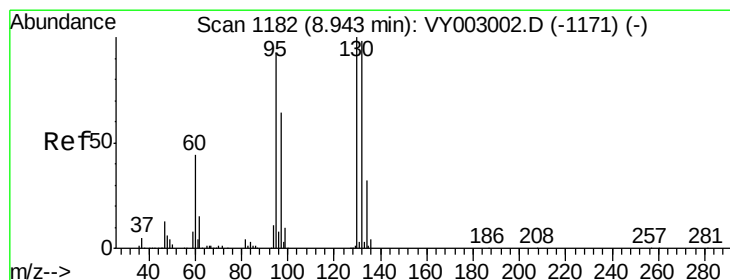
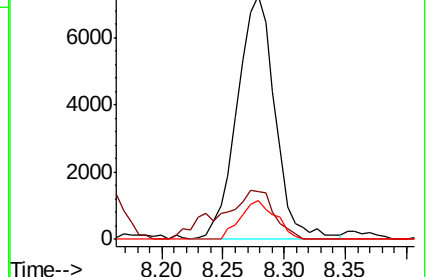
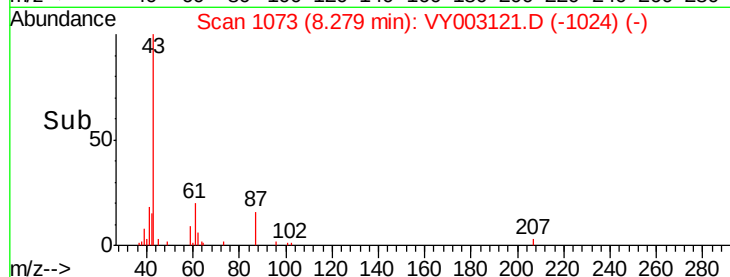
87 14.7 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VY003121.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY003121.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY003121.D (-1024) (-)



#44

Trichloroethene

Concen: 2.846 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003121.D

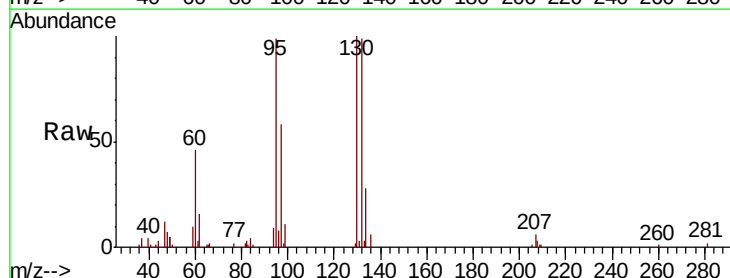
Acq: 07 Jul 2020 13:05

Tgt Ion: 130 Resp: 13272

Ion Ratio Lower Upper

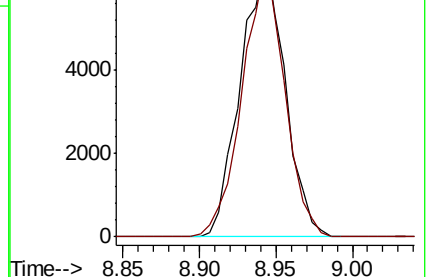
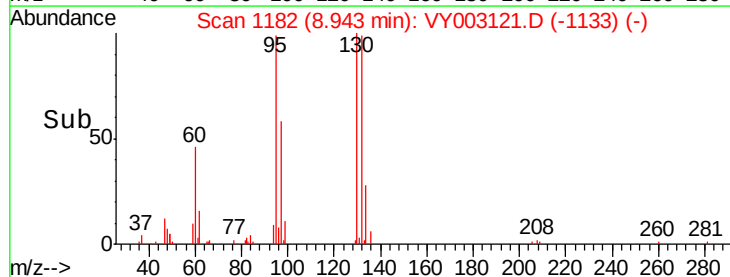
130 100

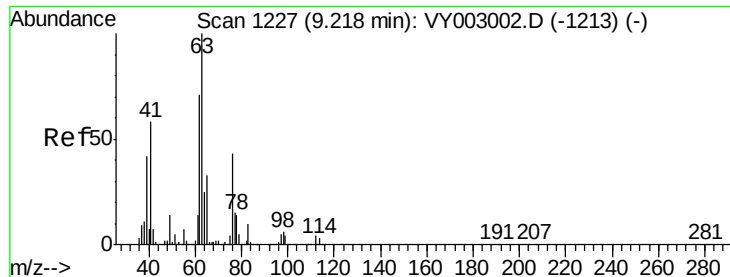
95 98.6 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003121.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003121.D (-1133) (-)

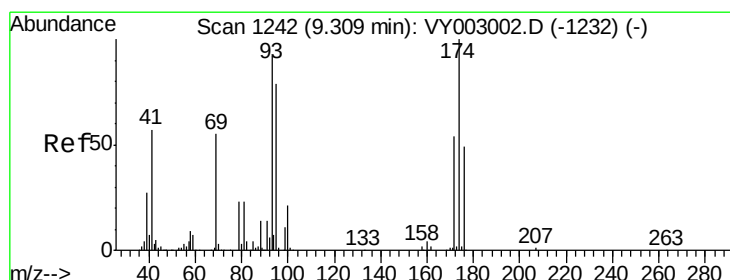
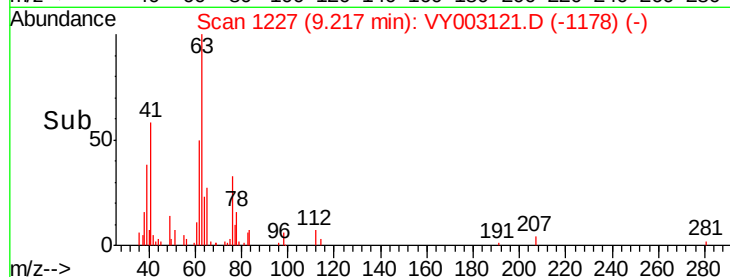
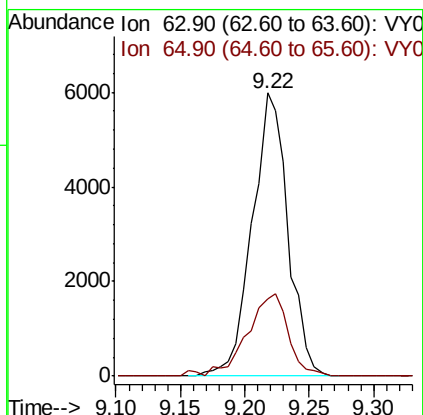
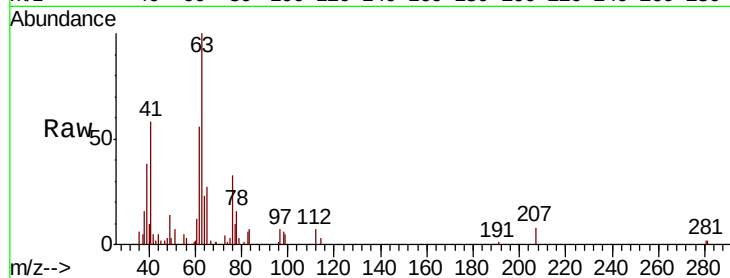




#45
 1,2-Dichloropropane
 Concen: 2.653 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

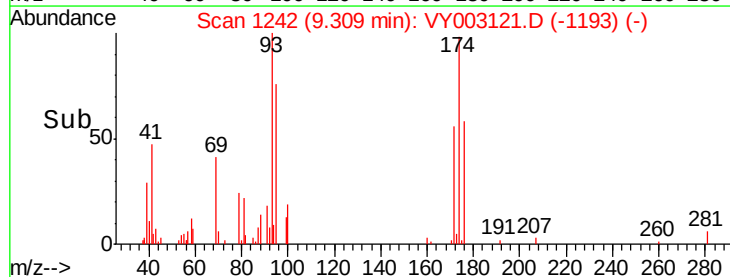
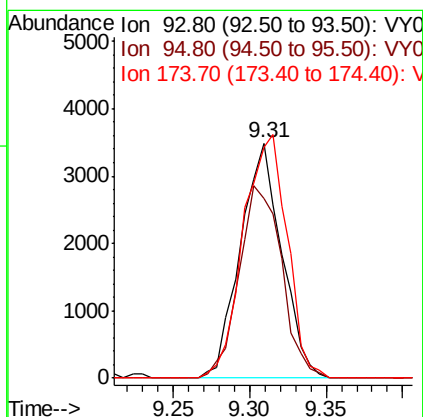
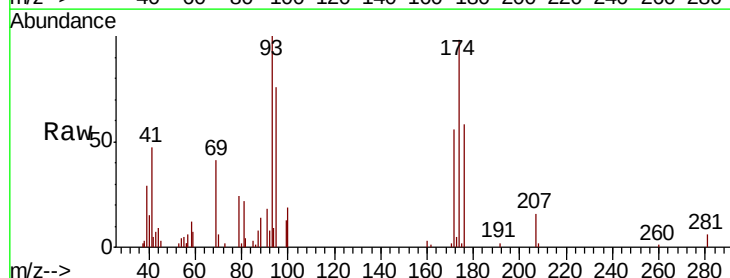
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

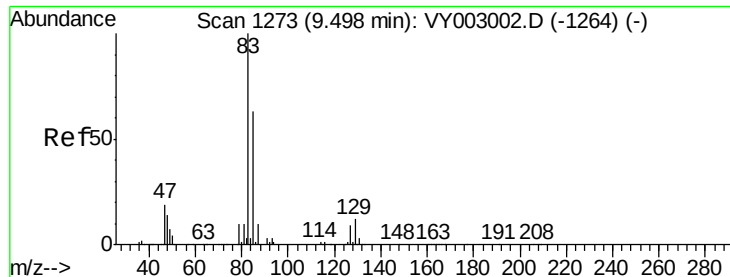
Tot Ion: 63 Resp: 11453
 Ion Ratio Lower Upper
 63 100
 65 27.2 26.2 39.4



#46
 Dibromomethane
 Concen: 2.718 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 93 Resp: 6552
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.6 101.4
 174 110.0 88.3 132.5





#47

Bromodichloromethane

Concen: 2.555 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

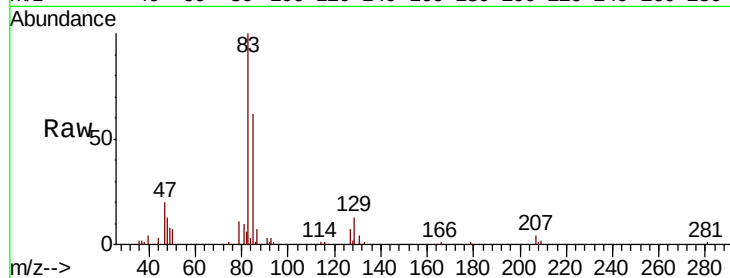
Tot Ion: 83 Resp: 15085

Ion Ratio Lower Upper

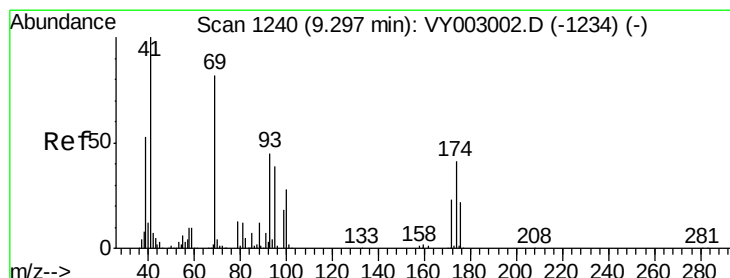
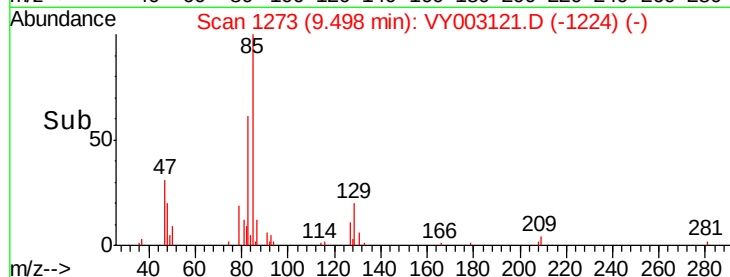
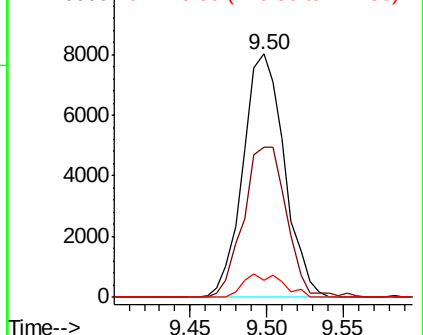
83 100

85 61.8 50.5 75.7

127 6.9 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): VY0



#48

Methyl methacrylate

Concen: 2.232 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

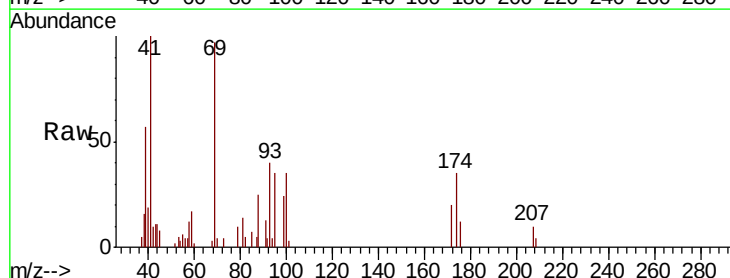
Tgt Ion: 41 Resp: 6807

Ion Ratio Lower Upper

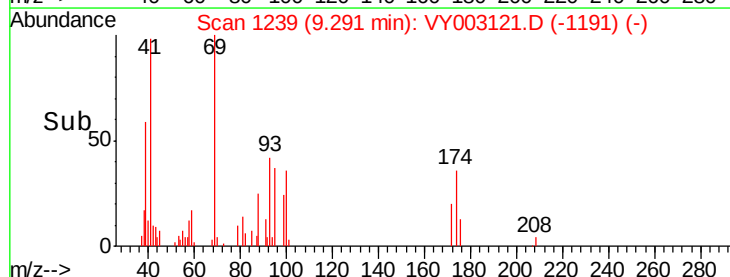
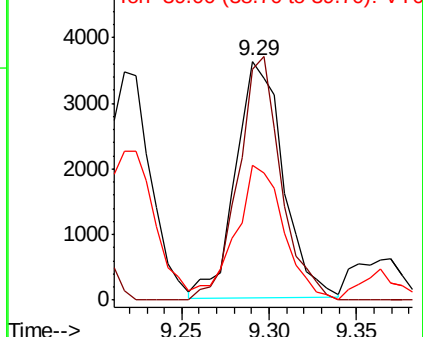
41 100

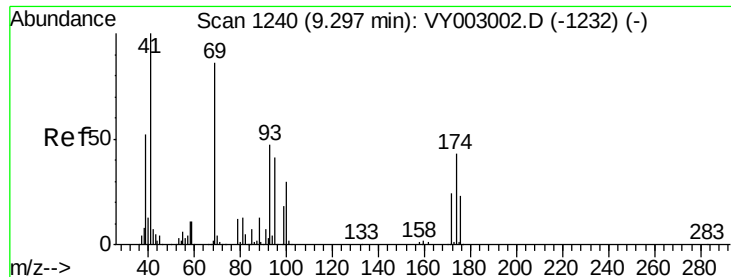
69 92.7 67.7 101.5

39 58.5 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

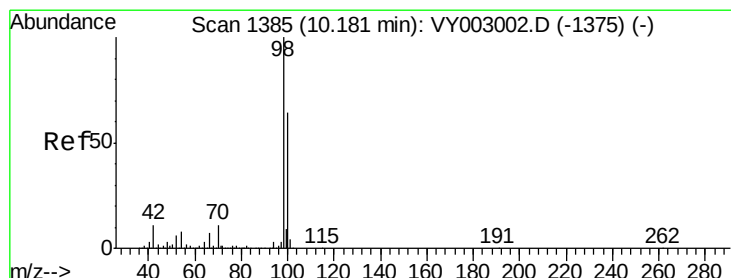
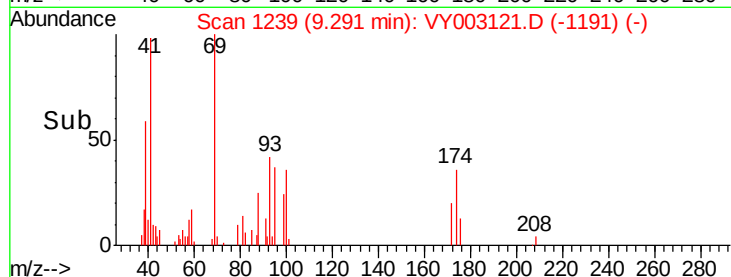
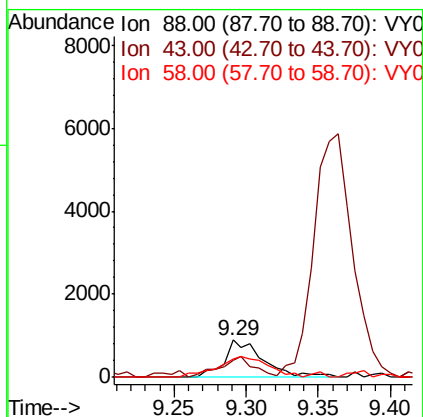
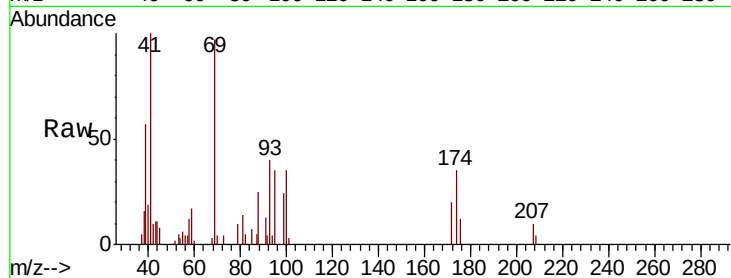




#49
1,4-Dioxane
Concen: 57.762 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

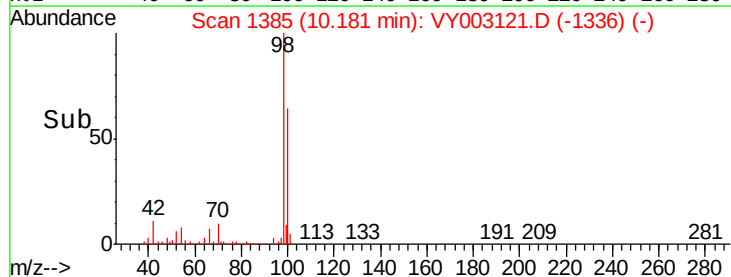
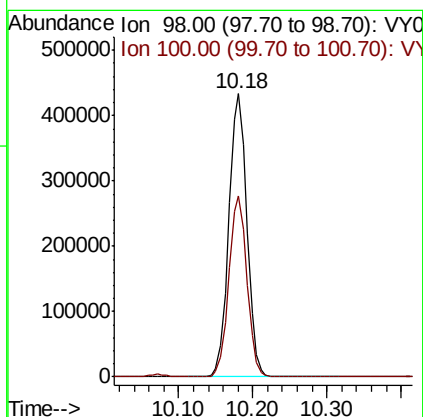
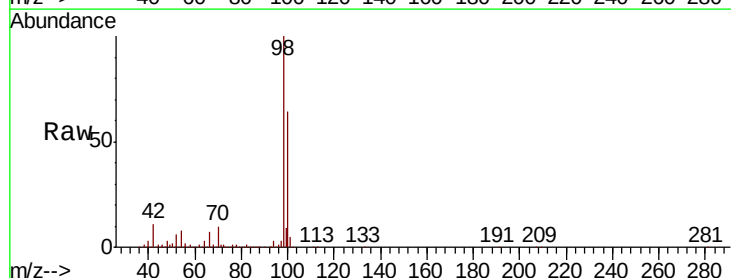
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

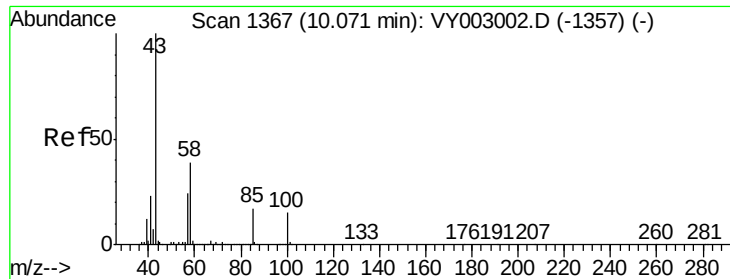
Tot Ion: 88 Resp: 1700
Ion Ratio Lower Upper
88 100
43 48.2 28.6 42.8#
58 71.4 56.7 85.1



#50
Toluene-d8
Concen: 52.017 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 98 Resp: 735538
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7

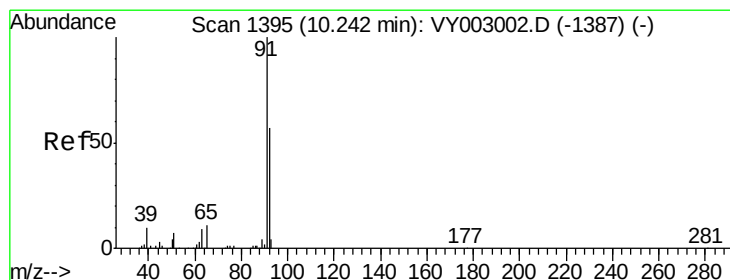
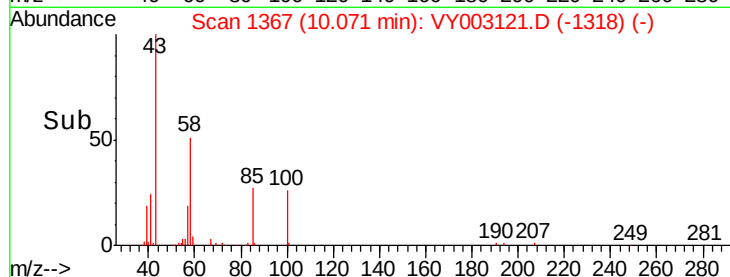
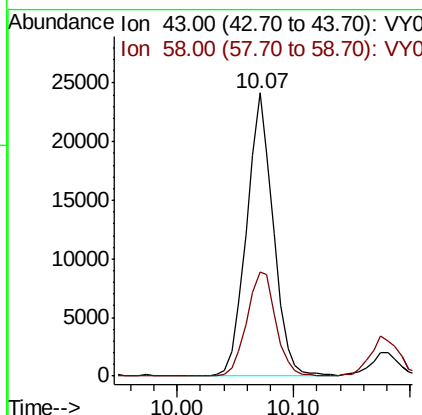
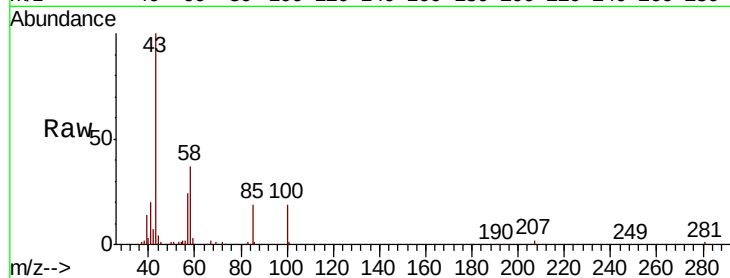




#51
4-Methyl-2-Pentanone
Concen: 11.198 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

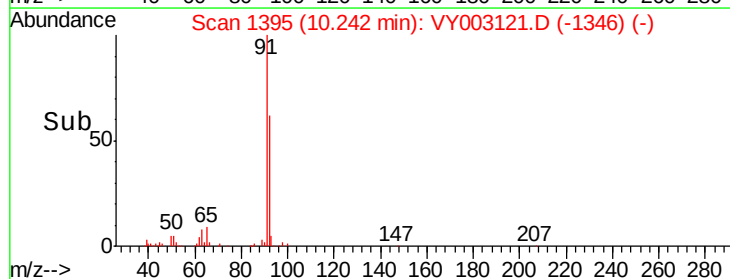
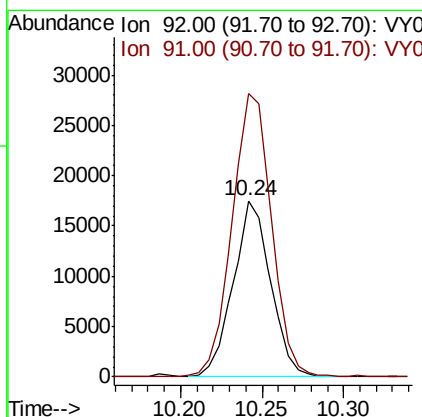
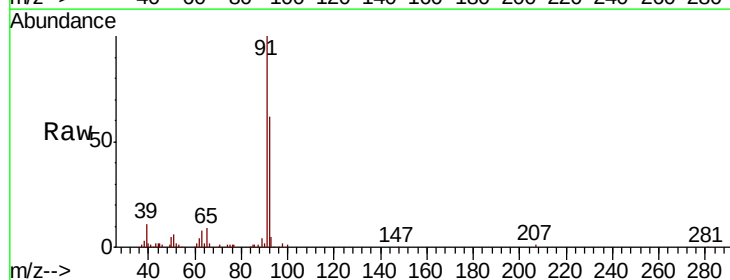
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

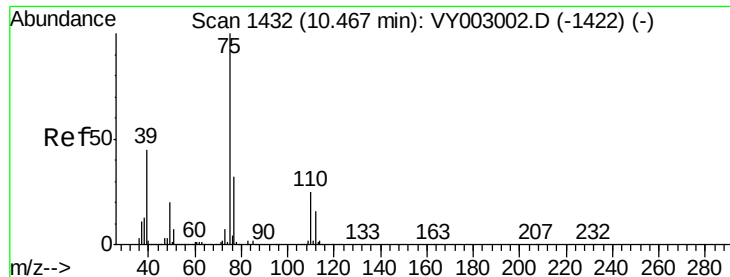
Tot Ion: 43 Resp: 38771
Ion Ratio Lower Upper
43 100
58 39.7 31.1 46.7



#52
Toluene
Concen: 2.772 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 92 Resp: 28003
Ion Ratio Lower Upper
92 100
91 169.5 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 2.399 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

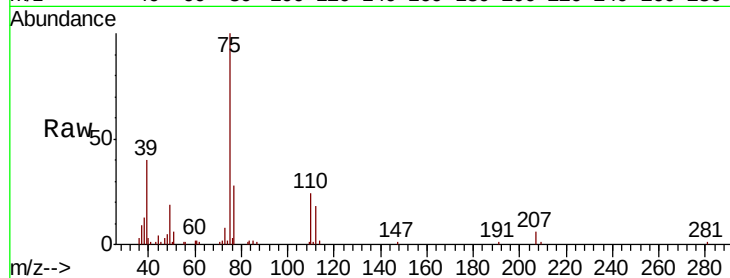
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 14848

Ion Ratio Lower Upper

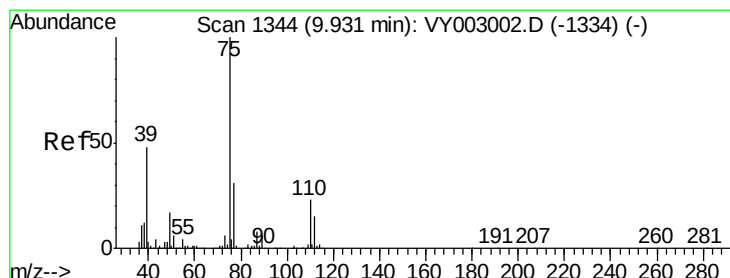
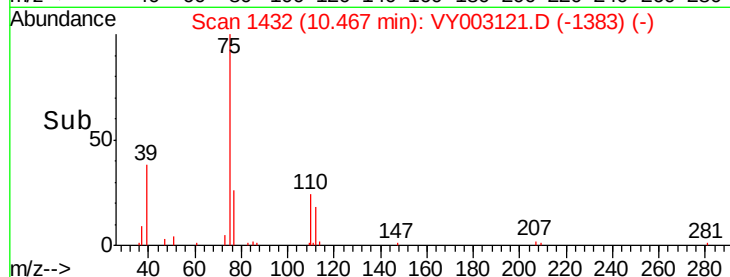
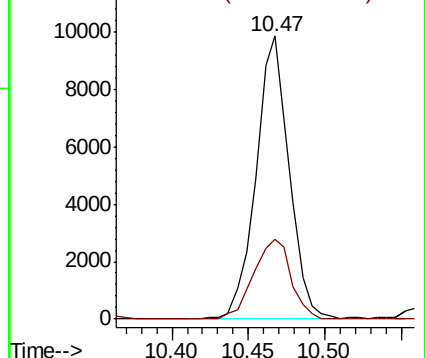
75 100

77 28.4 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 2.447 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

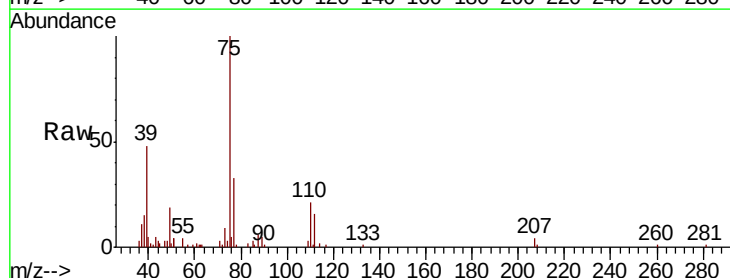
Tgt Ion: 75 Resp: 17325

Ion Ratio Lower Upper

75 100

77 33.1 24.6 37.0

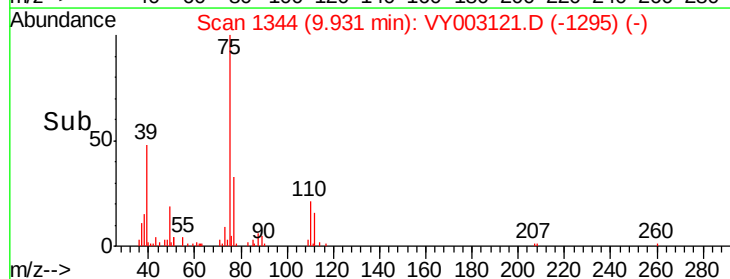
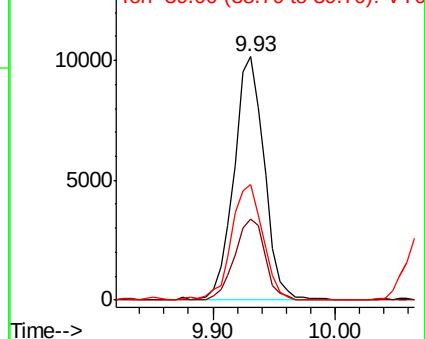
39 47.7 38.3 57.5

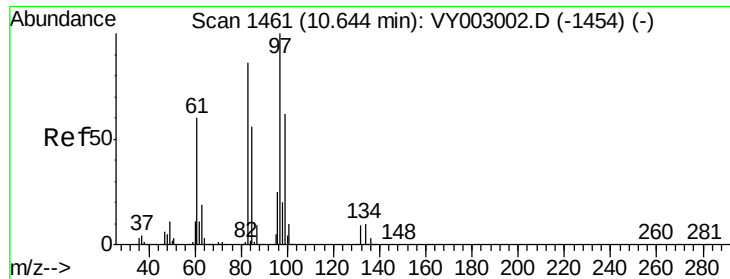


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

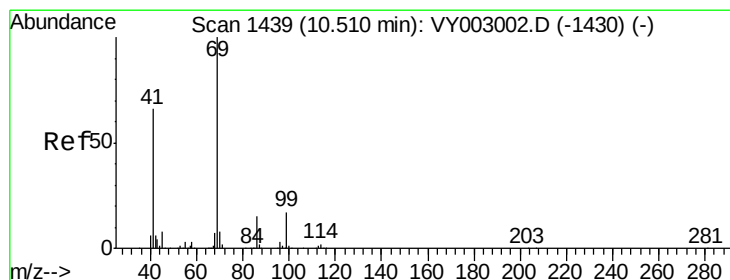
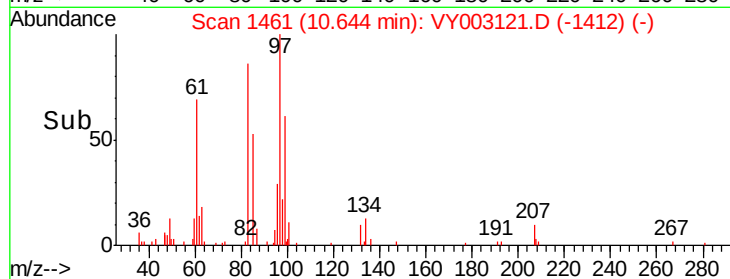
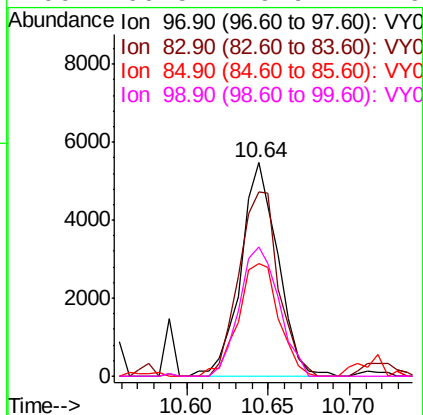
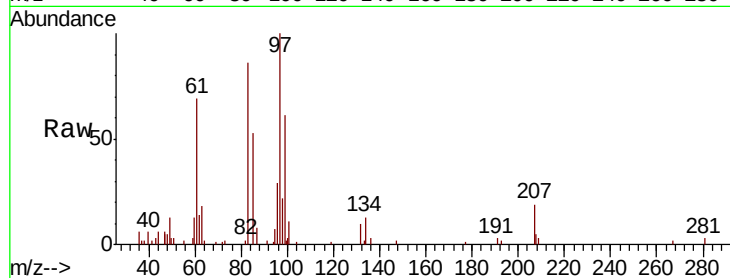




#55
 1,1,2-Trichloroethane
 Concen: 2.586 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

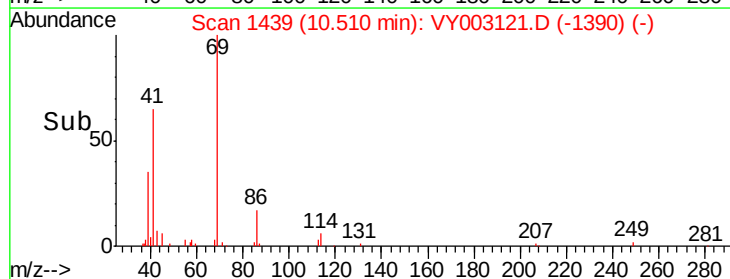
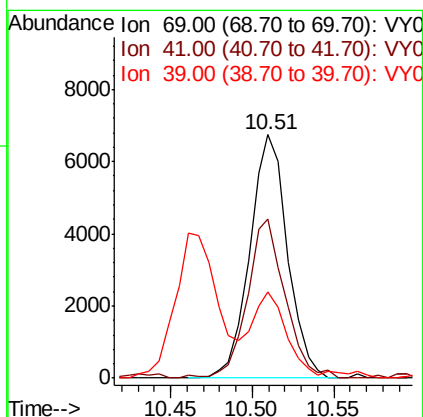
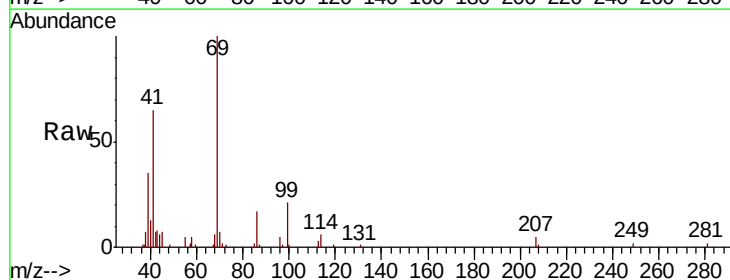
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

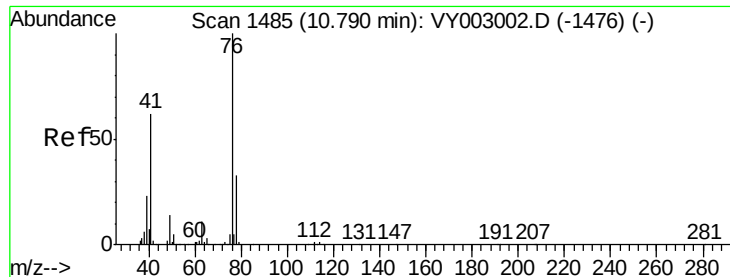
Tot Ion:	97	Resp:	8664
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.6
85	52.6	44.8	67.2
99	60.5	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 2.221 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion:	69	Resp:	10773
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.7	80.5
39	30.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 2.568 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

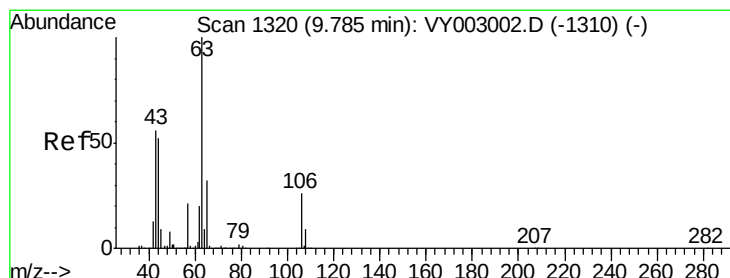
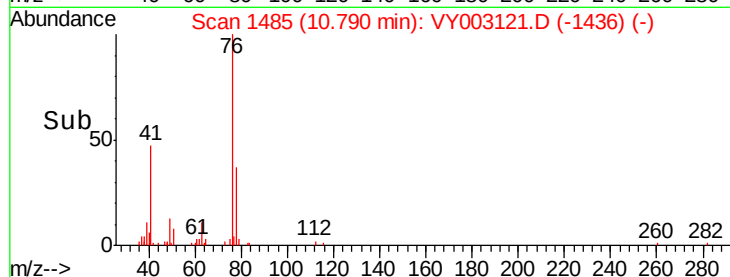
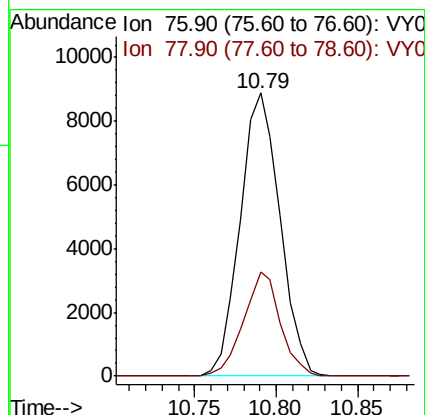
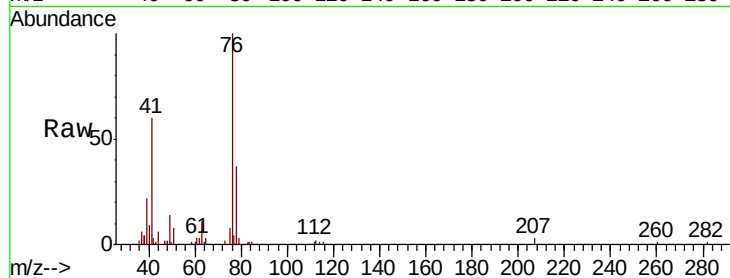
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 15105

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 12.460 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003121.D

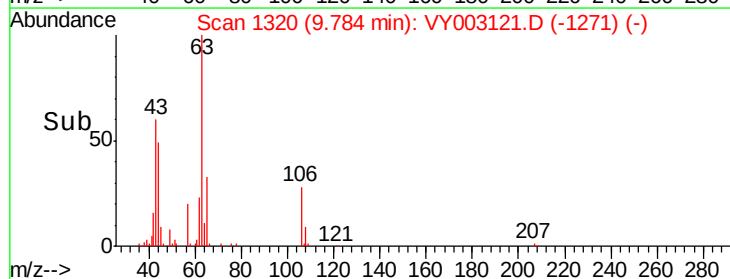
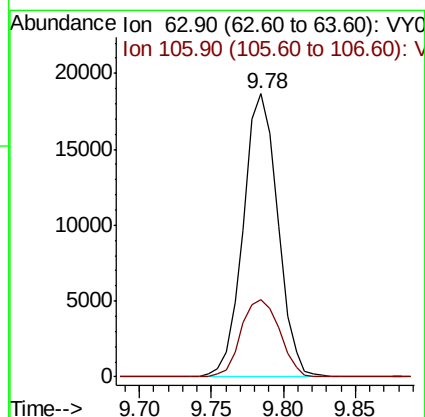
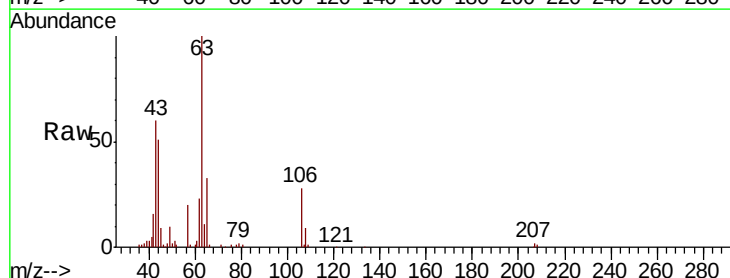
Acq: 07 Jul 2020 13:05

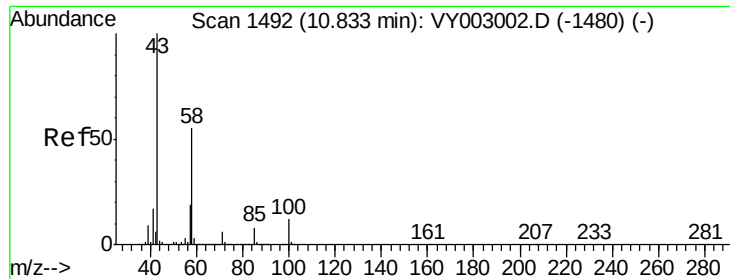
Tgt Ion: 63 Resp: 30991

Ion Ratio Lower Upper

63 100

106 30.4 21.5 32.3

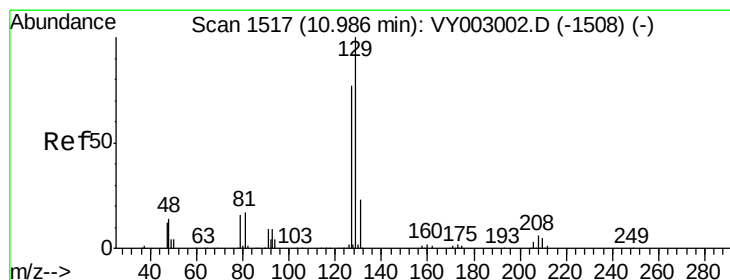
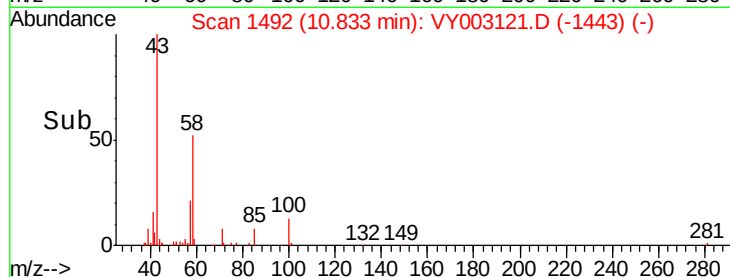
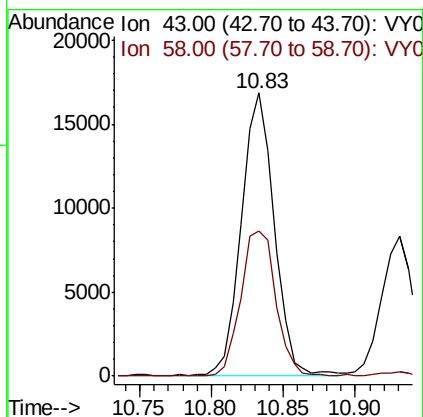
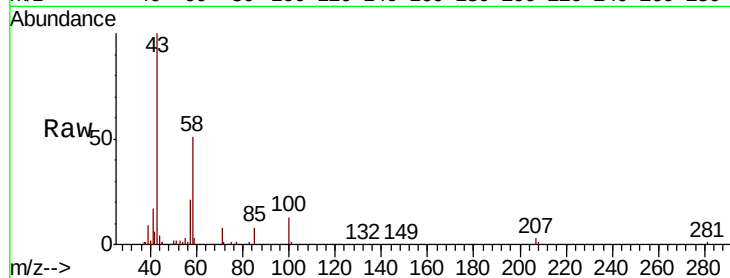




#59
2-Hexanone
Concen: 11.050 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

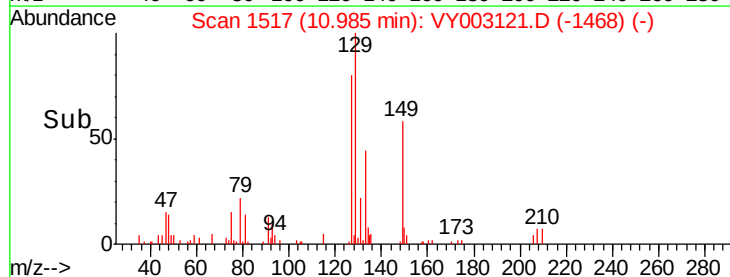
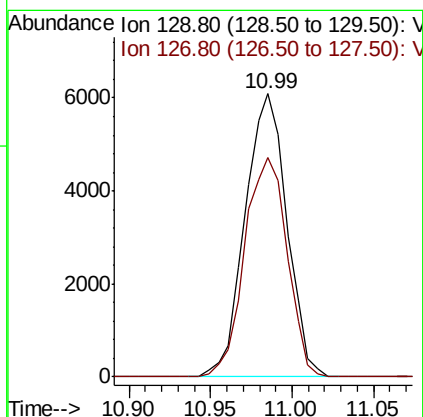
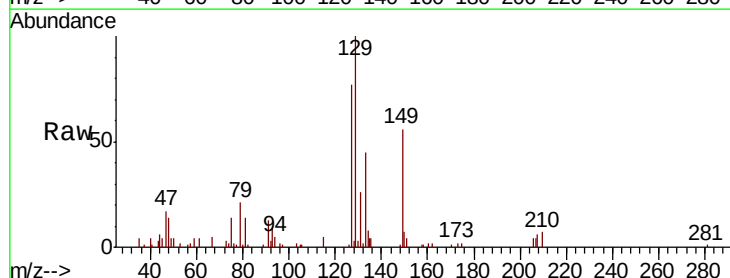
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

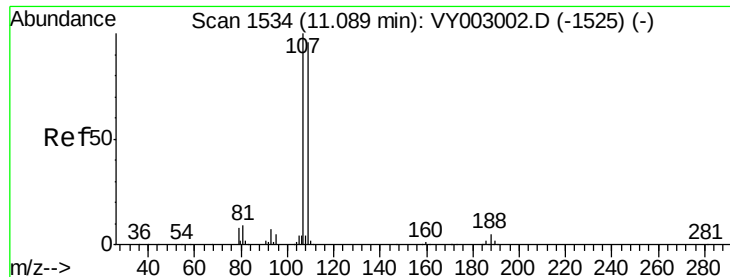
Tot Ion: 43 Resp: 26742
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 2.530 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 129 Resp: 10847
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3

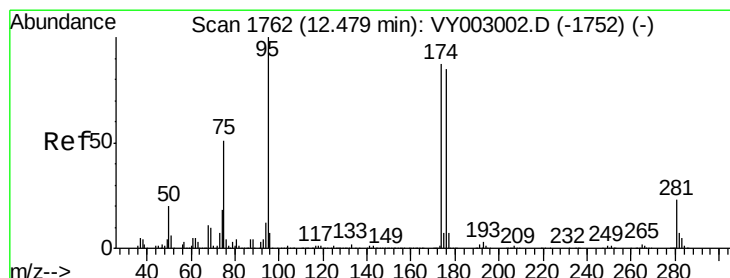
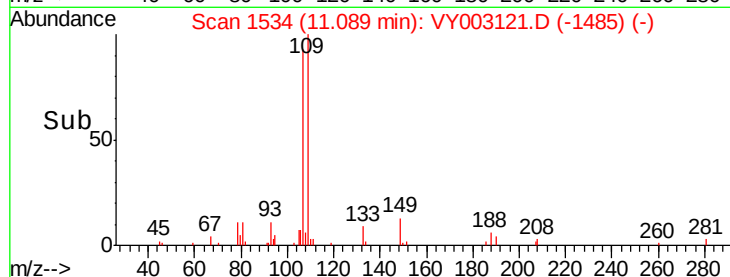
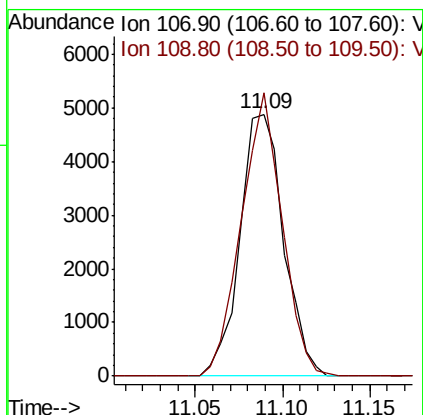
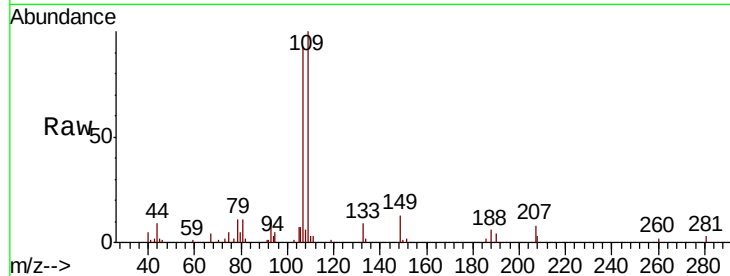




#61
 1,2-Dibromoethane
 Concen: 2.570 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

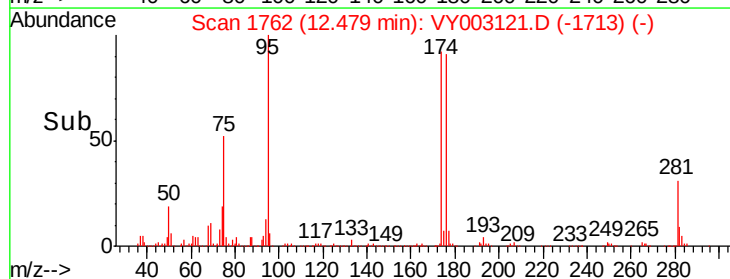
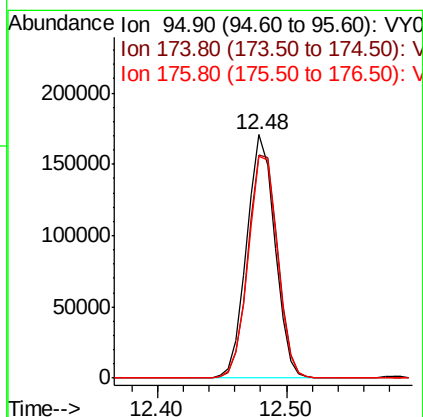
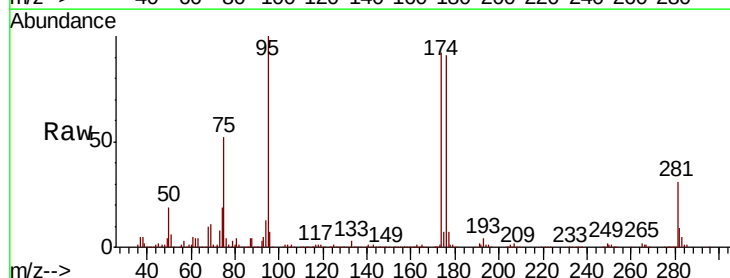
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

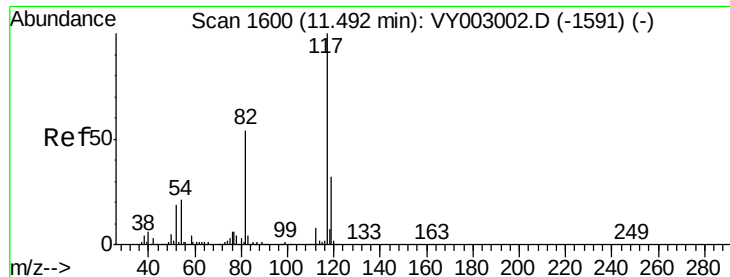
Tot Ion: 107 Resp: 8490
 Ion Ratio Lower Upper
 107 100
 109 100.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.796 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 95 Resp: 257810
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 184.8
 176 94.1 0.0 183.0

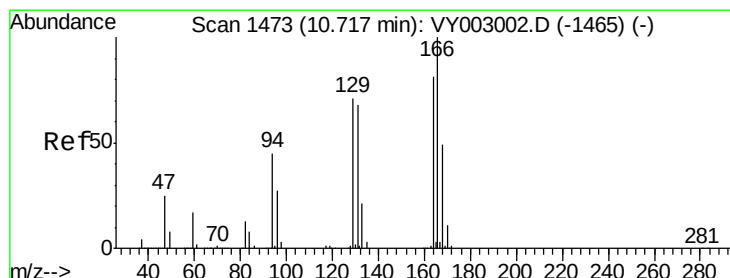
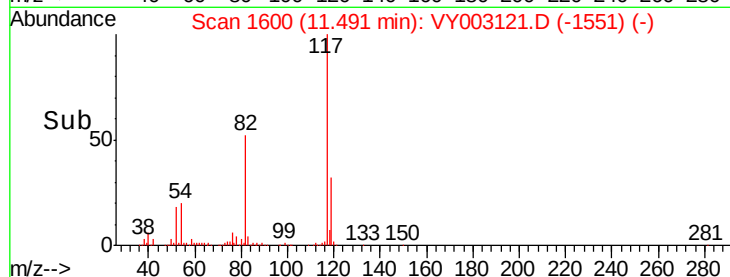
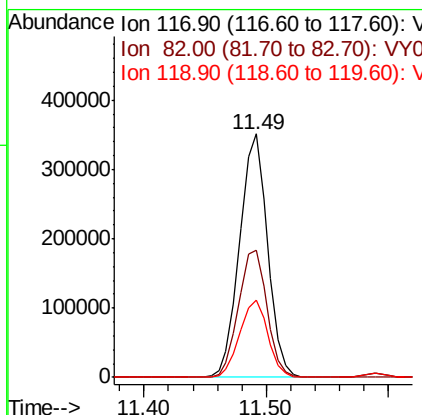
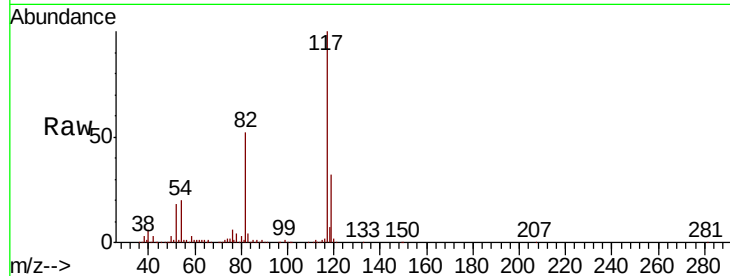




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

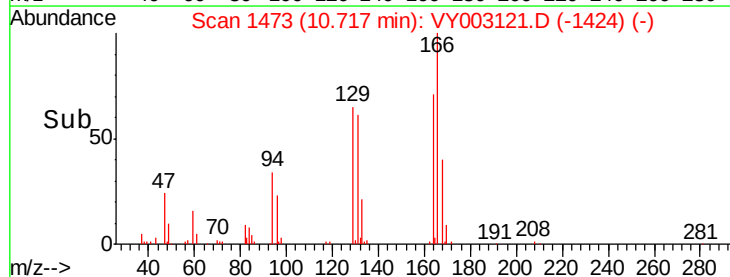
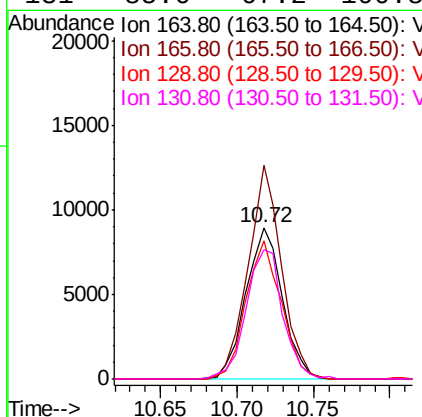
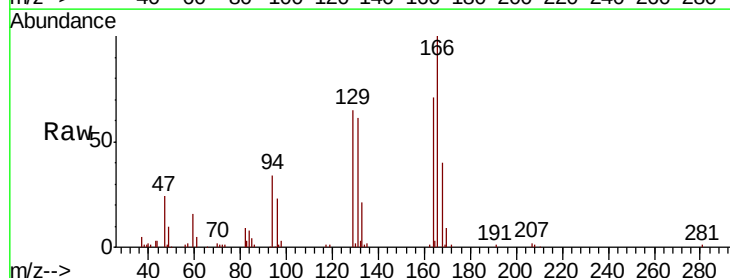
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

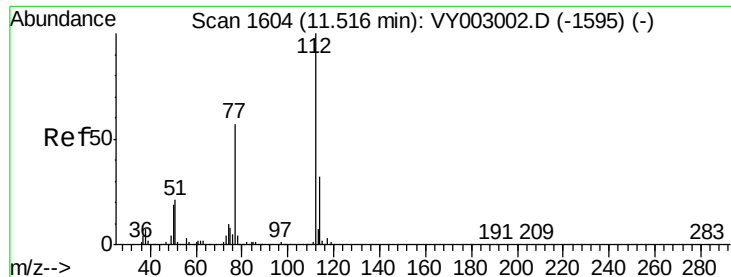
Tot Ion:117 Resp: 554414
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.6
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 3.156 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion:164 Resp: 14811
Ion Ratio Lower Upper
164 100
166 141.0 98.5 147.7
129 91.3 69.7 104.5
131 85.6 67.2 100.8

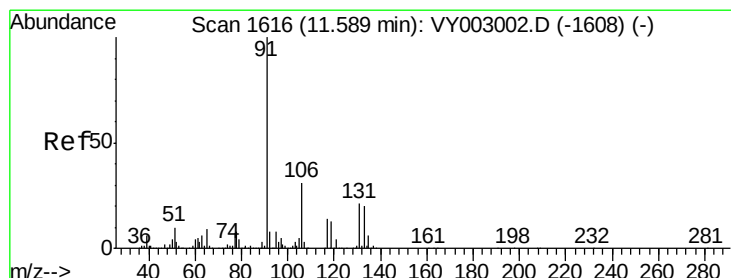
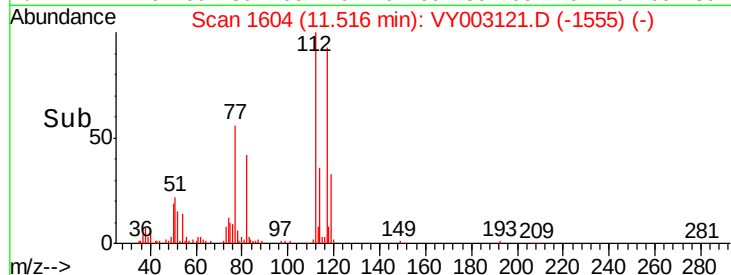
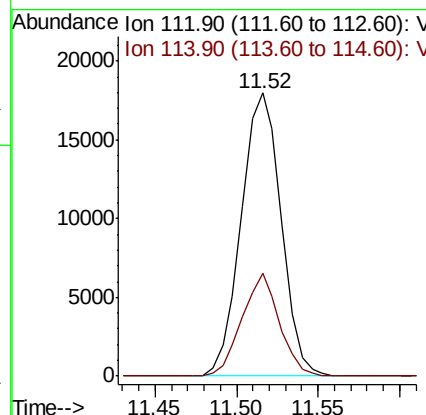
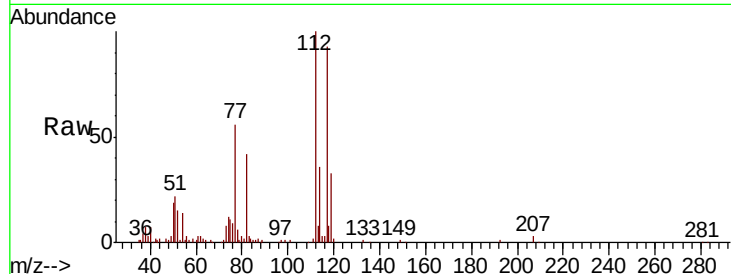




#65
Chlorobenzene
Concen: 2.797 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

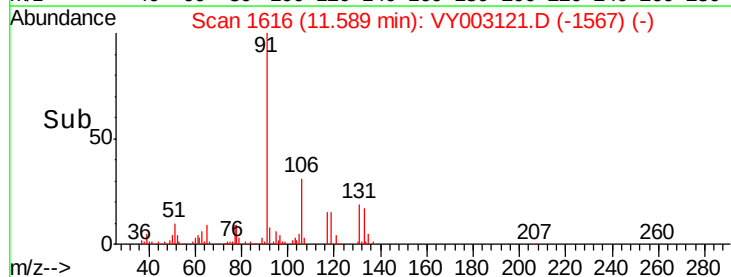
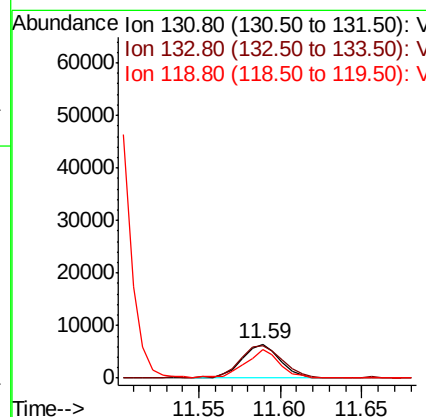
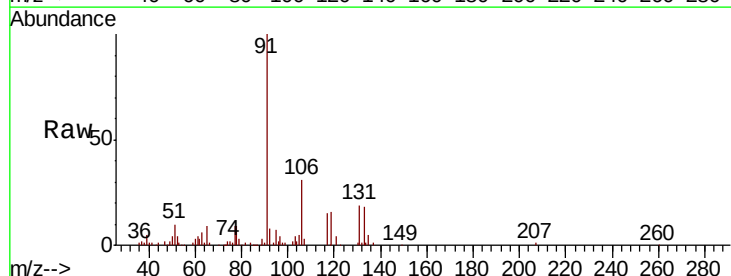
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

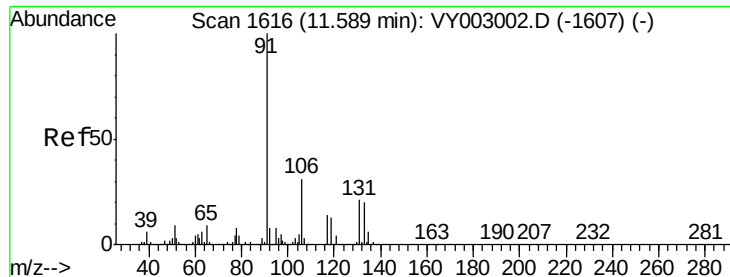
Tot Ion:112 Resp: 30579
Ion Ratio Lower Upper
112 100
114 36.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 2.459 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion:131 Resp: 10494
Ion Ratio Lower Upper
131 100
133 101.5 47.9 143.8
119 76.6 31.8 95.3





#67

Ethyl Benzene

Concen: 2.624 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

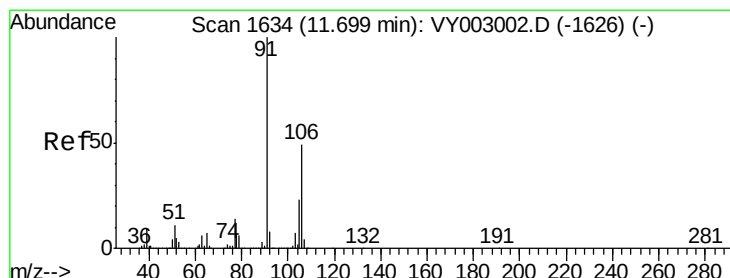
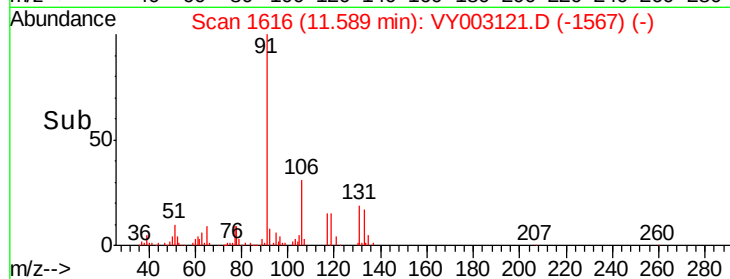
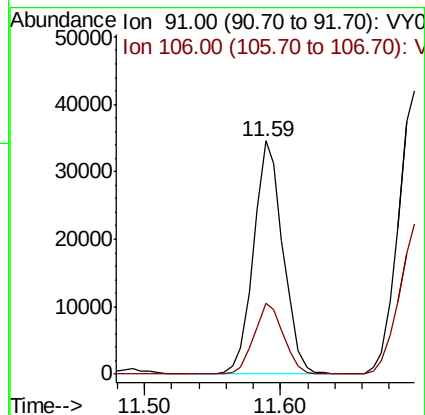
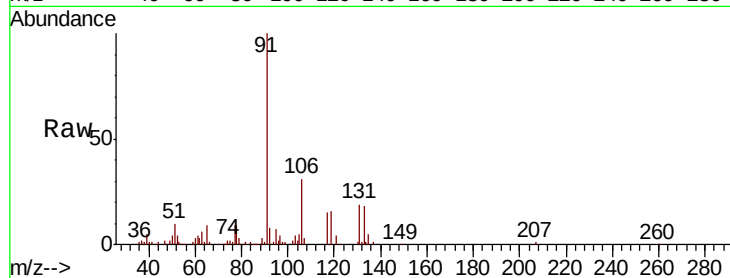
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 52482

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



#68

m/p-Xylenes

Concen: 5.455 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003121.D

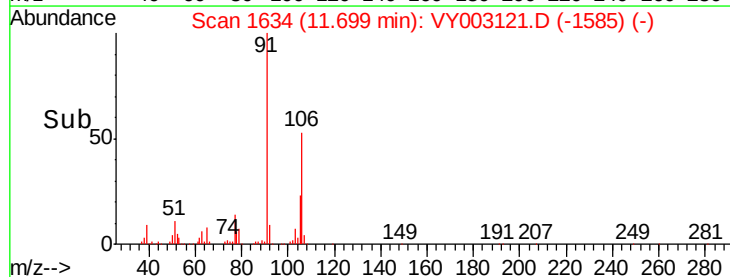
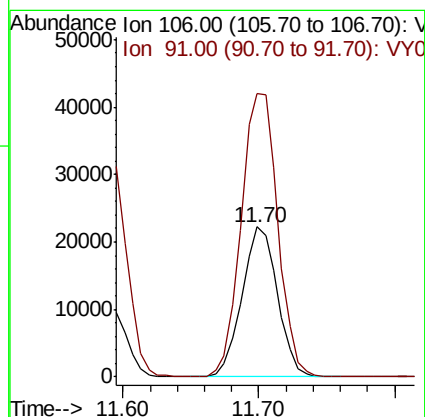
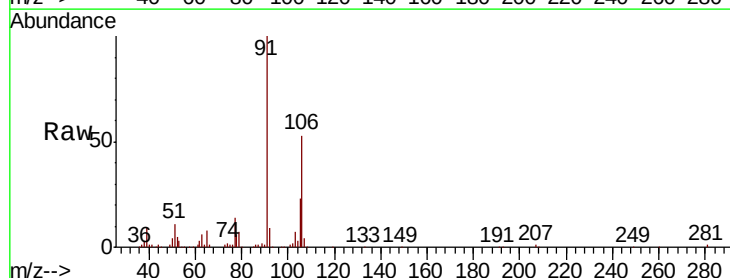
Acq: 07 Jul 2020 13:05

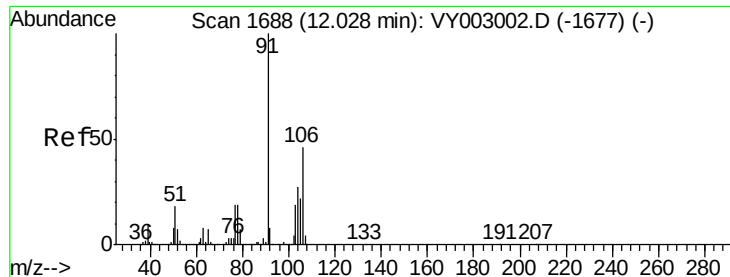
Tgt Ion: 106 Resp: 40607

Ion Ratio Lower Upper

106 100

91 194.7 161.9 242.9

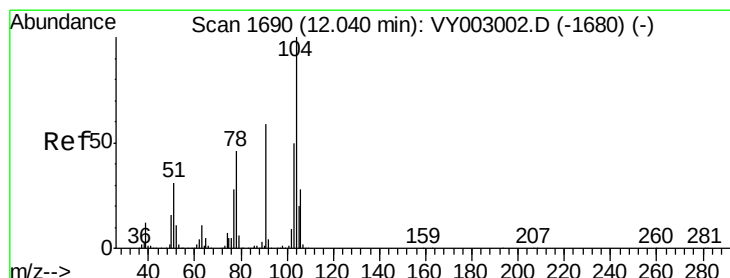
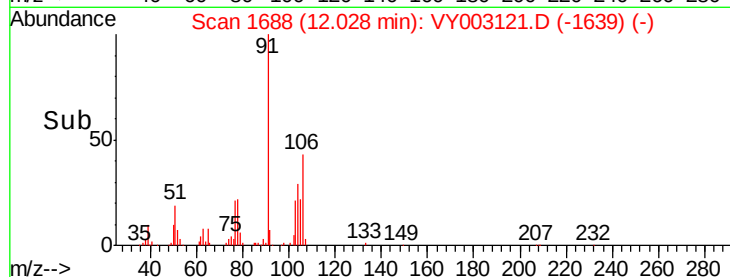
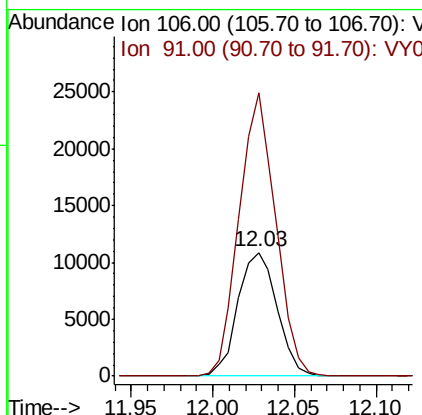
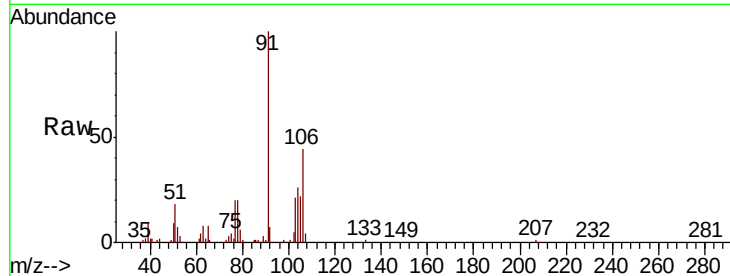




#69
o-Xylene
Concen: 2.595 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

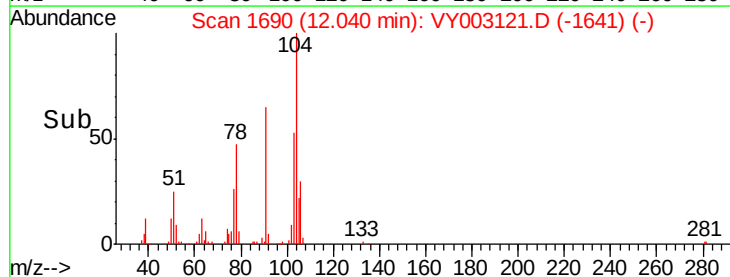
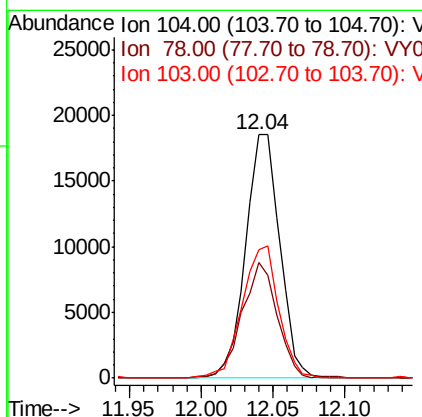
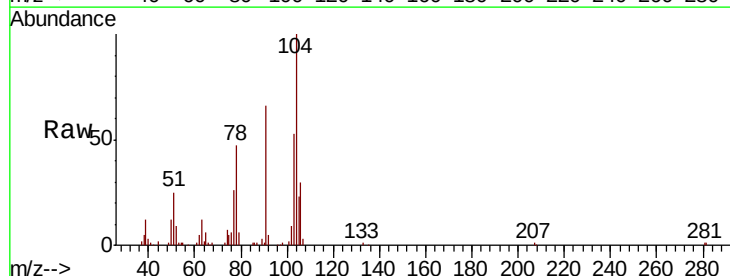
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

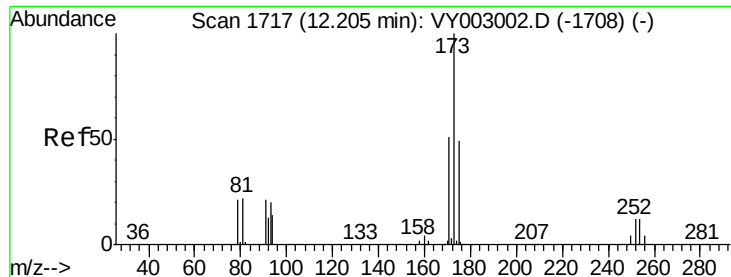
Tot Ion:106 Resp: 18204
Ion Ratio Lower Upper
106 100
91 213.5 107.9 323.8



#70
Styrene
Concen: 2.534 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion:104 Resp: 30366
Ion Ratio Lower Upper
104 100
78 49.0 40.4 60.6
103 58.1 44.1 66.1





#71

Bromoform

Concen: 2.598 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

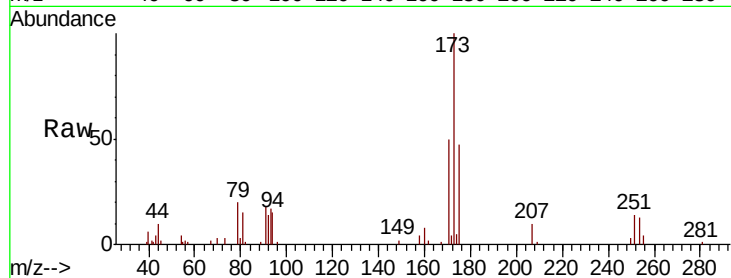
Tot Ion:173 Resp: 7393

Ion Ratio Lower Upper

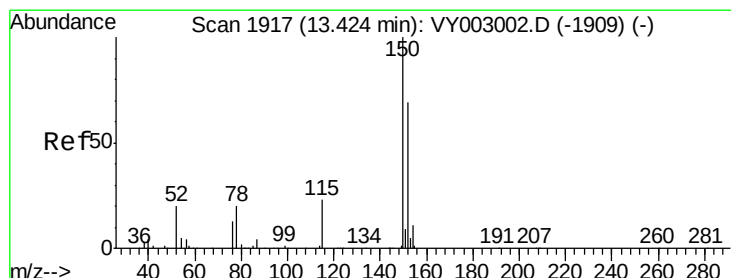
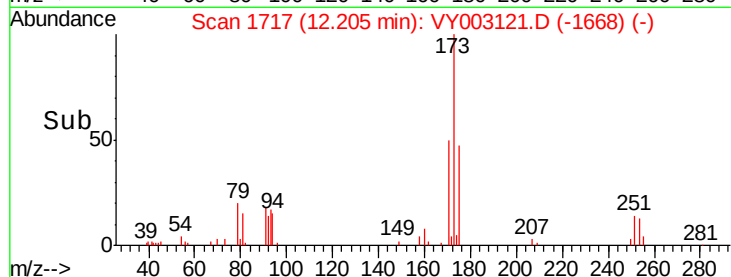
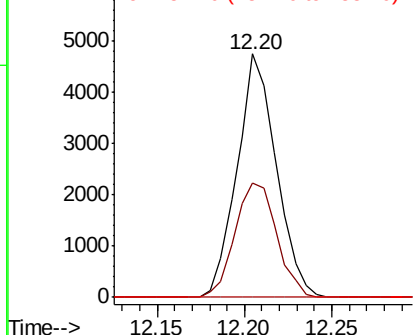
173 100

175 50.0 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: VY003121.D

Acq: 07 Jul 2020 13:05

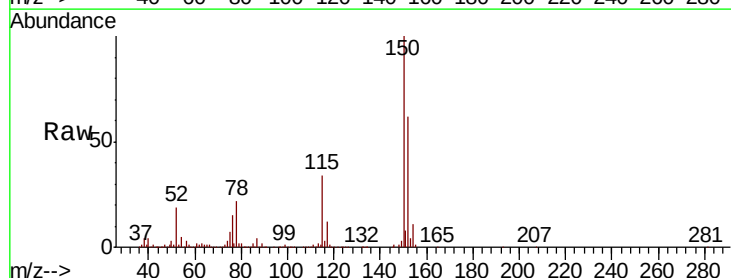
Tgt Ion:152 Resp: 295420

Ion Ratio Lower Upper

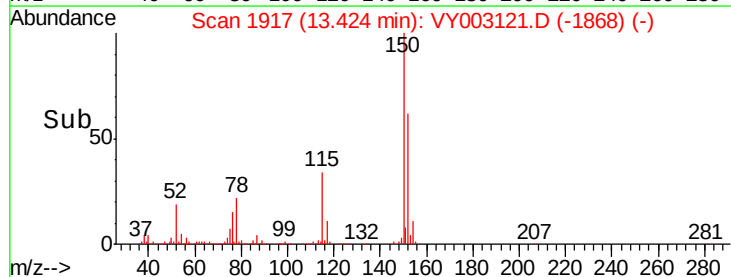
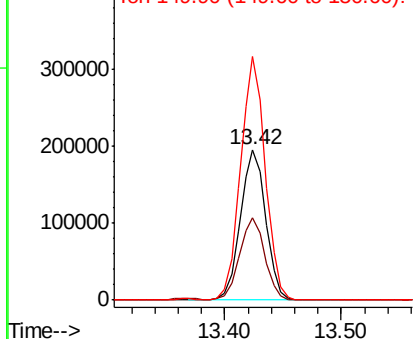
152 100

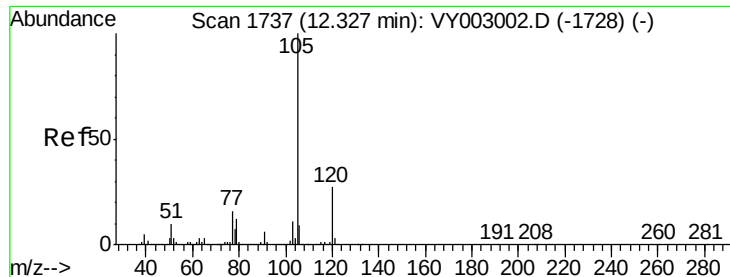
115 54.7 27.3 81.9

150 157.9 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

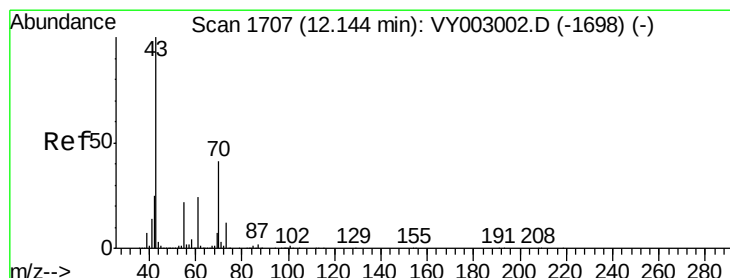
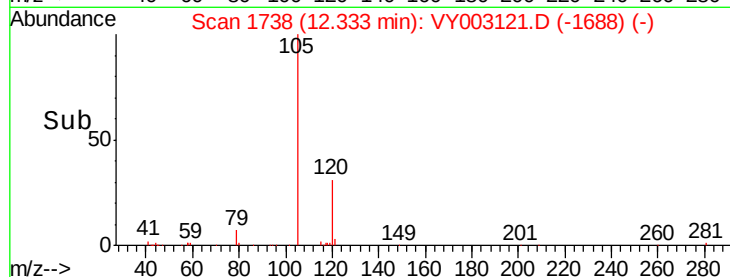
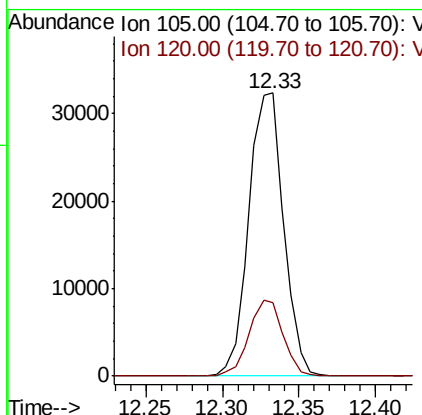
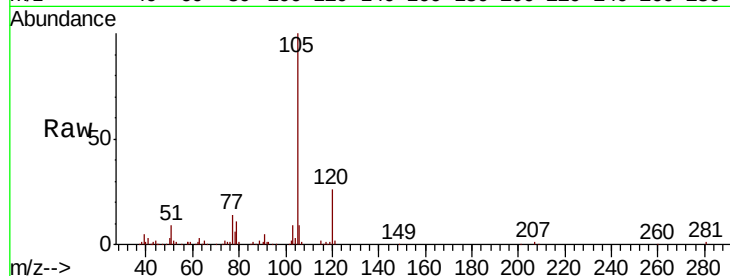




#73
Isopropylbenzene
Concen: 2.654 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

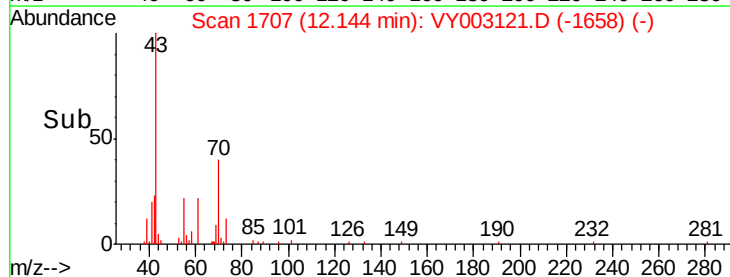
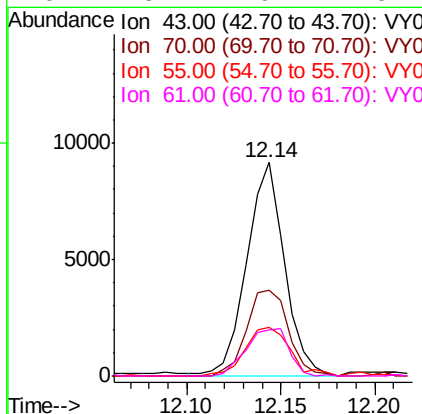
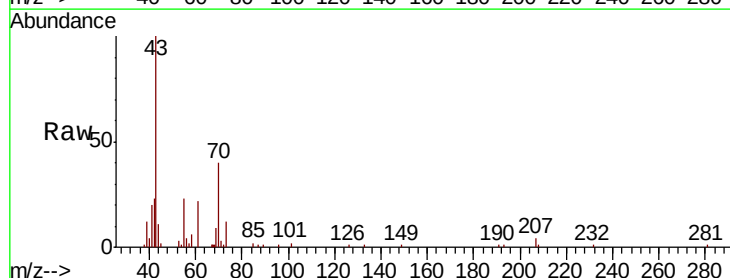
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

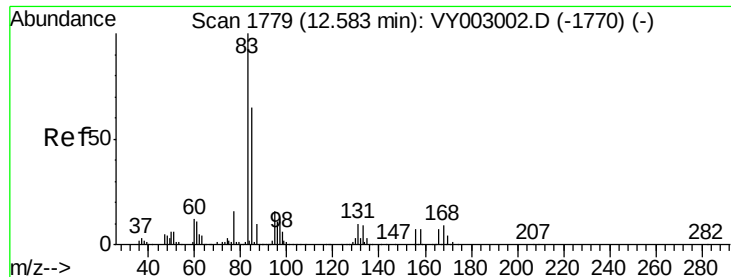
Tot Ion: 105 Resp: 51322
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1



#74
N-ethyl acetate
Concen: 2.026 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 43 Resp: 12750
Ion Ratio Lower Upper
43 100
70 44.3 33.0 49.4
55 27.0 18.2 27.2
61 25.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.529 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

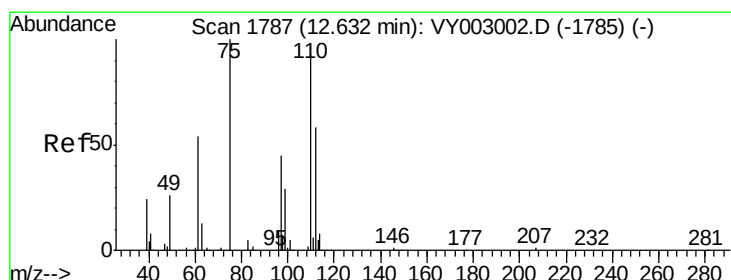
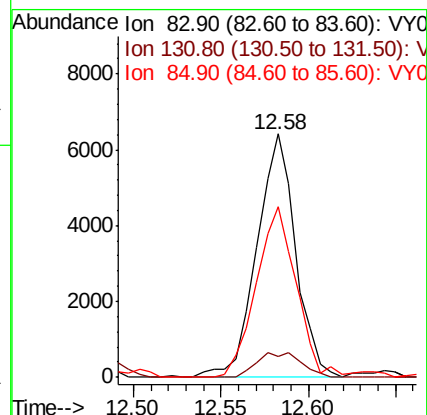
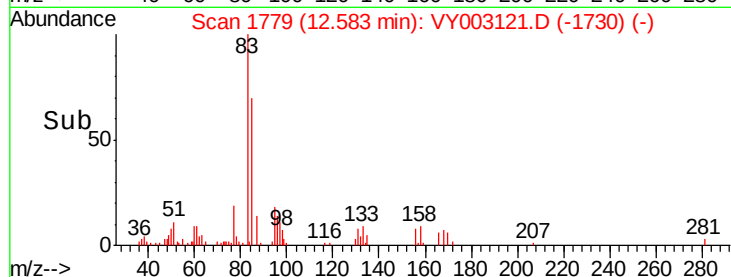
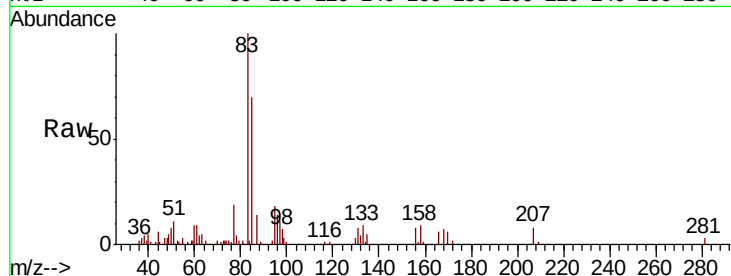
MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 83 Resp: 9867

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.3	16.1
85	72.8	32.1	96.3



#76

1,2,3-Trichloropropane

Concen: 4.742 ug/l

RT: 12.63 min Scan# 1787

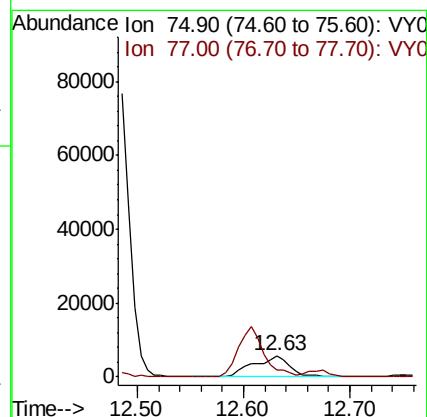
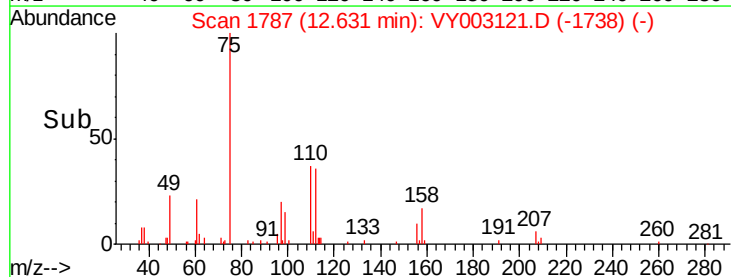
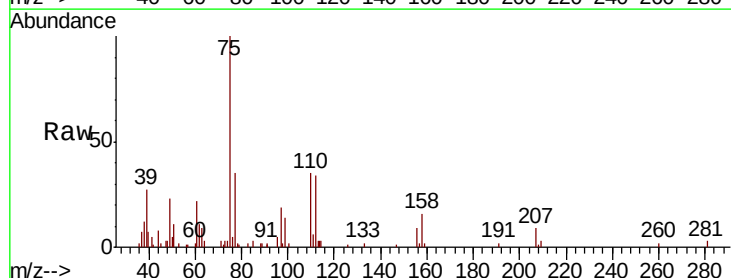
Delta R.T. -0.00 min

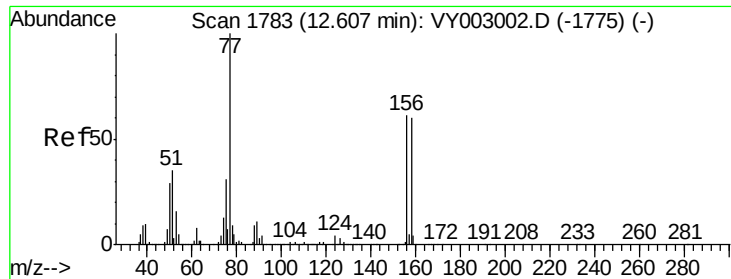
Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion: 75 Resp: 13864

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.672 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

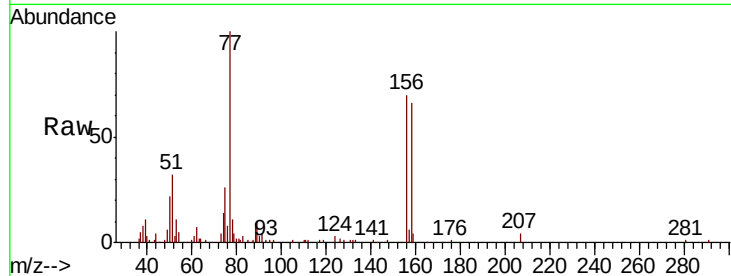
Tot Ion:156 Resp: 13245

Ion Ratio Lower Upper

156 100

77 176.0 90.0 270.0

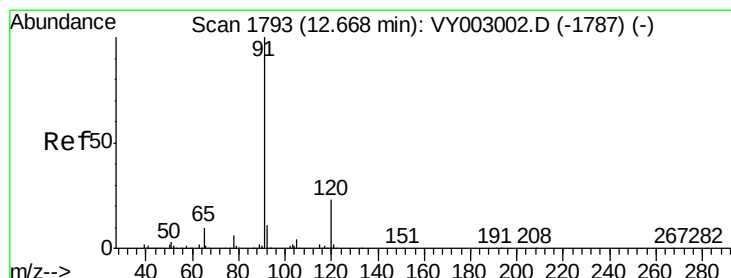
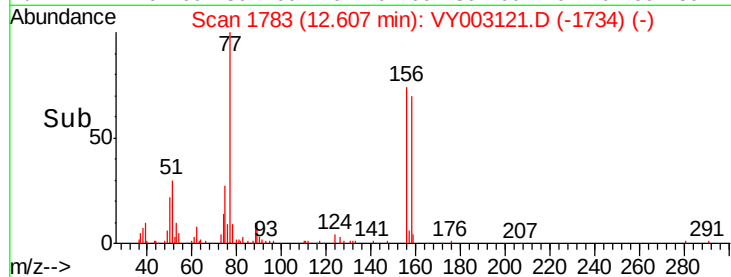
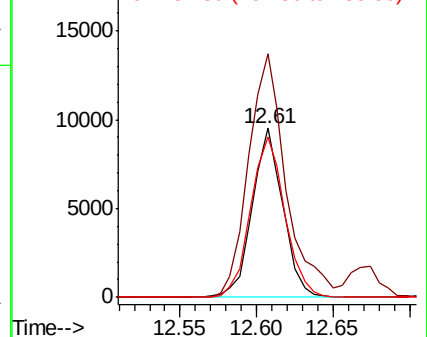
158 105.9 48.5 145.5



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: 2.637 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003121.D

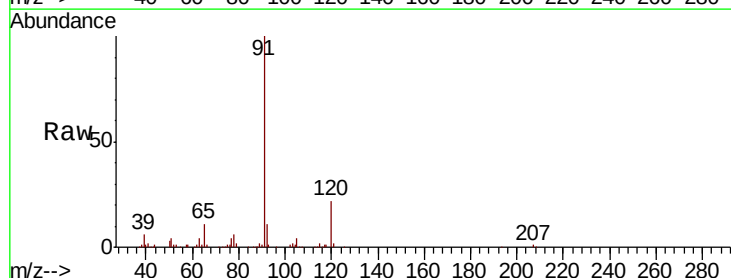
Acq: 07 Jul 2020 13:05

Tgt Ion: 91 Resp: 61323

Ion Ratio Lower Upper

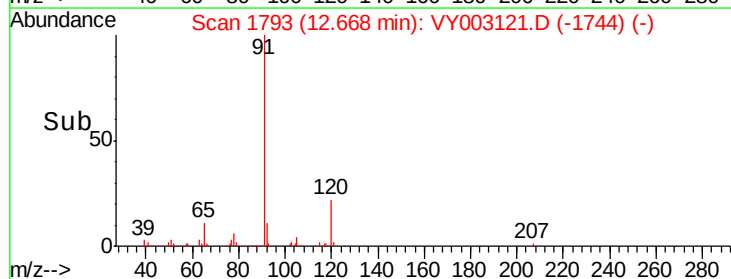
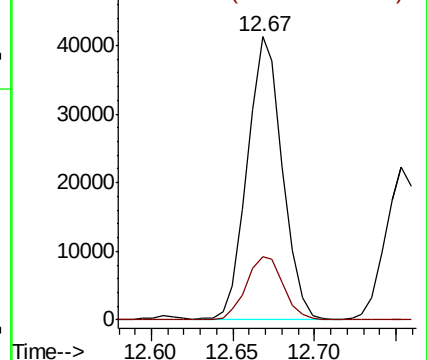
91 100

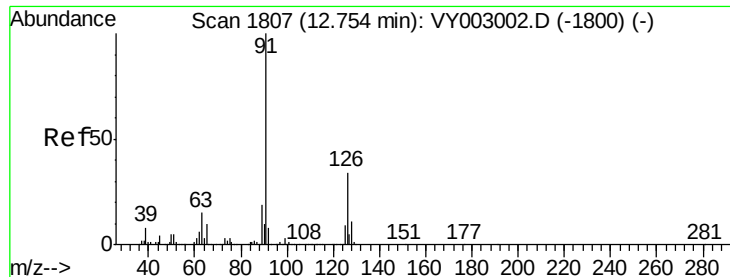
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.625 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

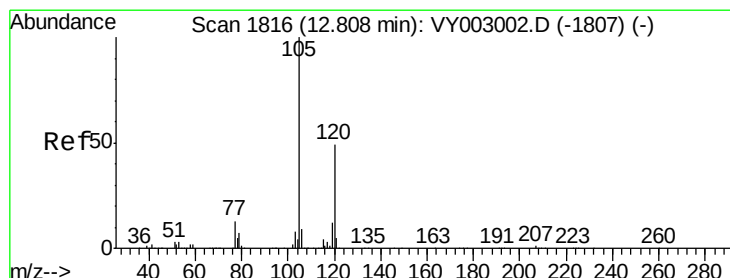
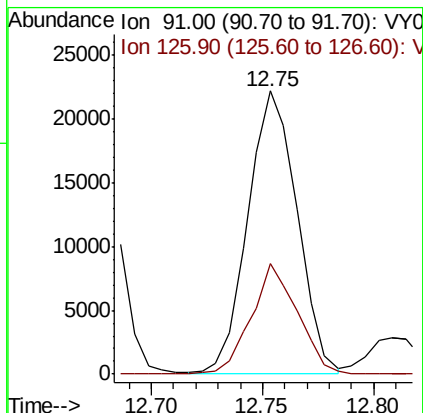
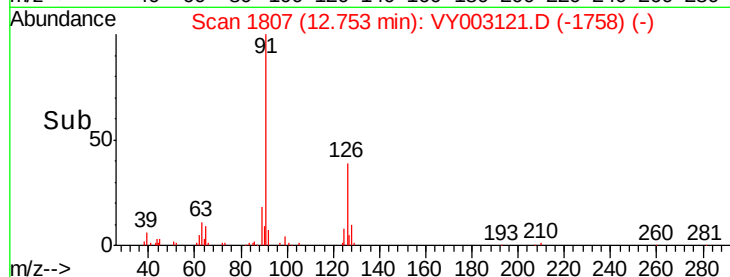
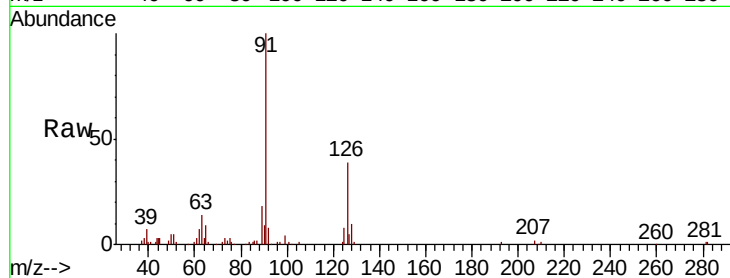
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 34064

Ion Ratio Lower Upper

91 100

126 36.7 17.1 51.3



#80

1,3,5-Trimethylbenzene

Concen: 2.620 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003121.D

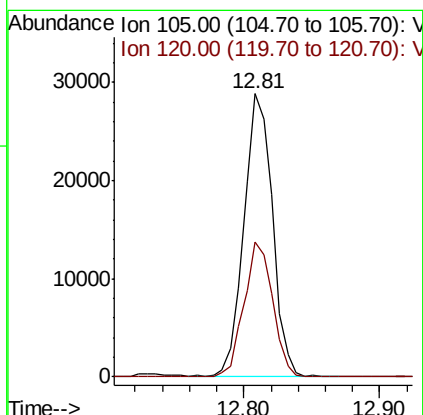
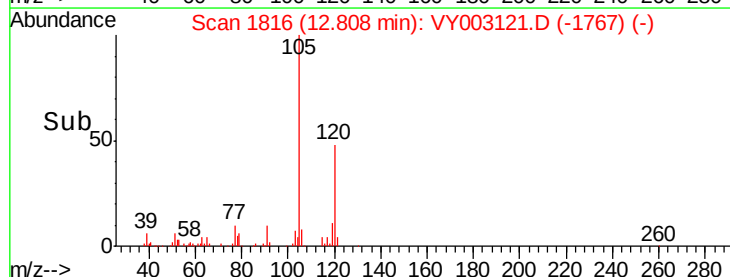
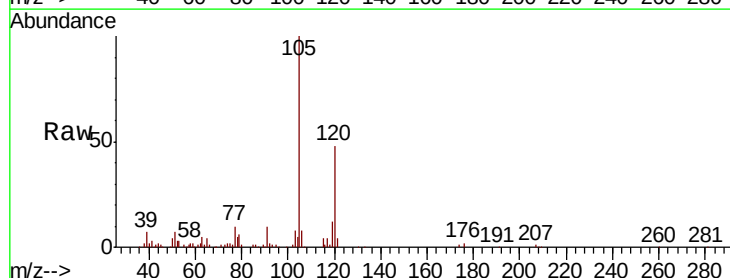
Acq: 07 Jul 2020 13:05

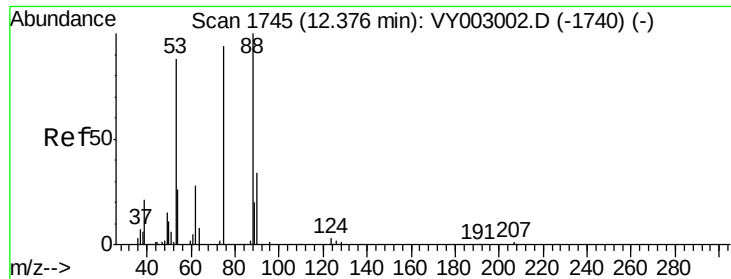
Tgt Ion: 105 Resp: 42509

Ion Ratio Lower Upper

105 100

120 47.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 90.078 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

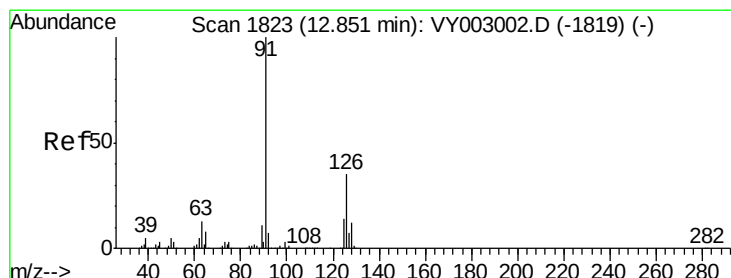
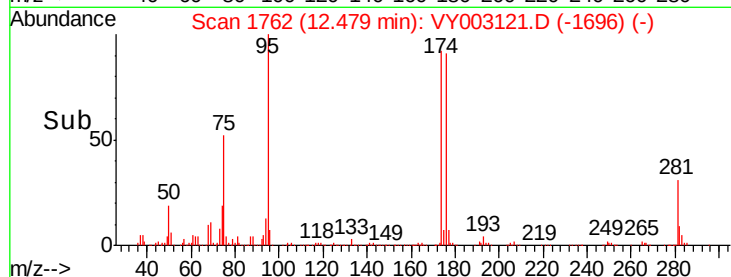
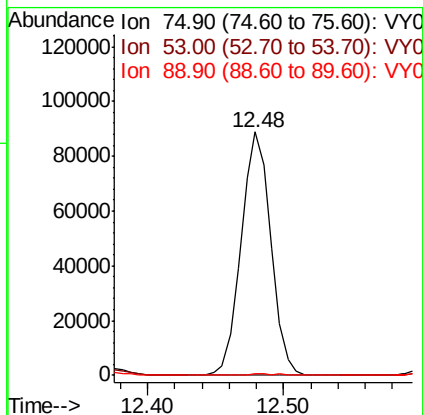
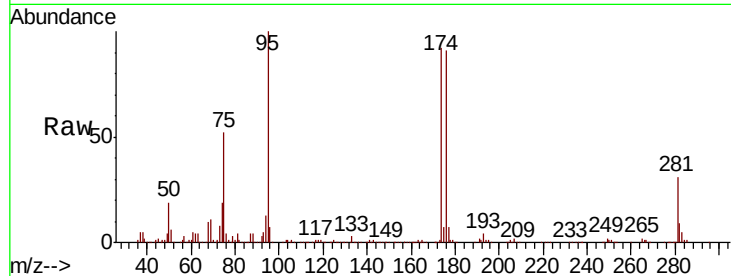
Tot Ion: 75 Resp: 135366

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.7 37.5 56.3#



#82

4-Chlorotoluene

Concen: 2.725 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003121.D

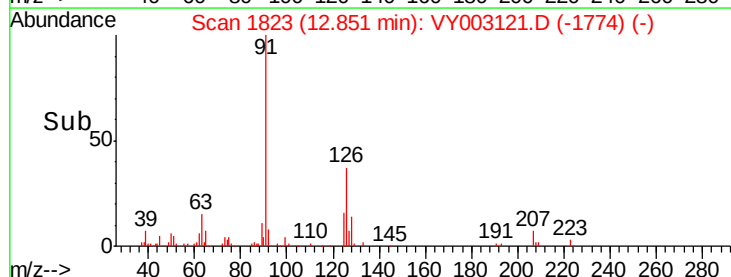
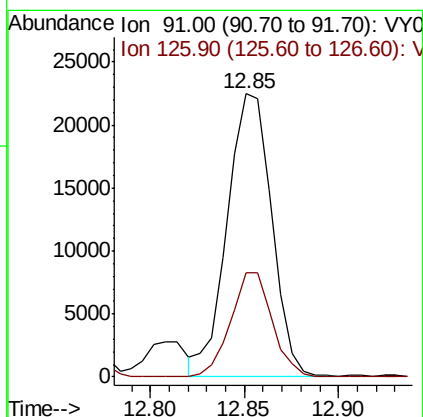
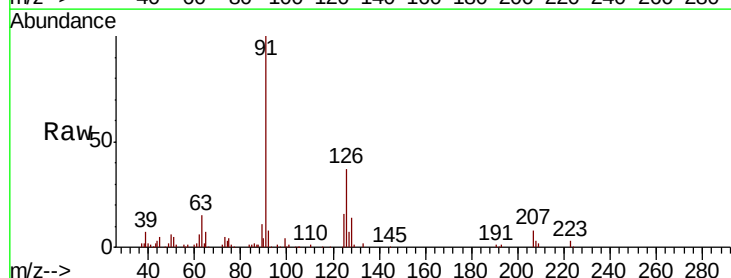
Acq: 07 Jul 2020 13:05

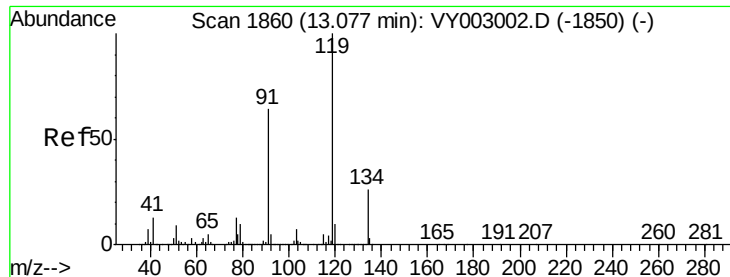
Tgt Ion: 91 Resp: 36818

Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.3





#83

tert-Butylbenzene

Concen: 2.648 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

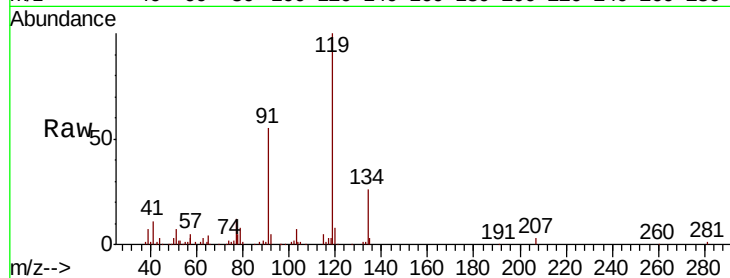
Tot Ion:119 Resp: 37719

Ion Ratio Lower Upper

119 100

91 60.5 31.6 95.0

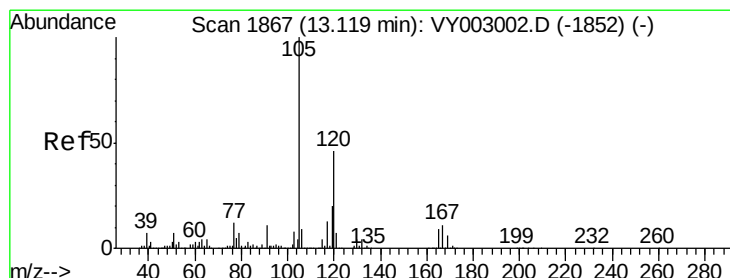
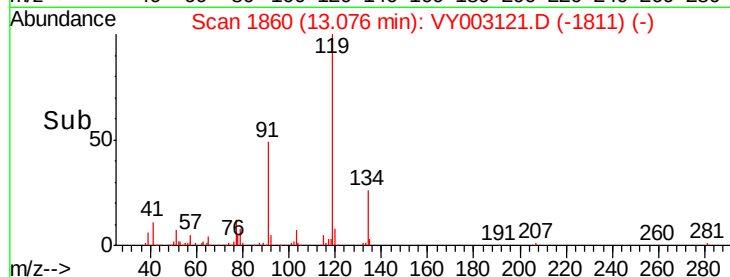
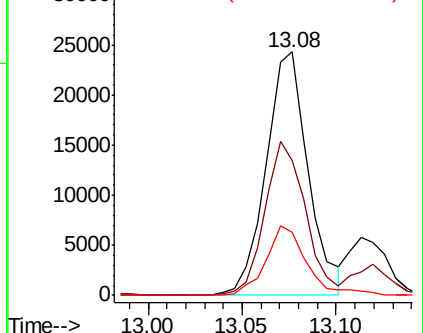
134 27.9 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.585 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003121.D

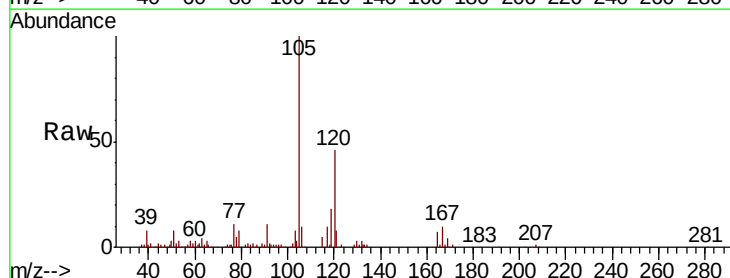
Acq: 07 Jul 2020 13:05

Tgt Ion:105 Resp: 42260

Ion Ratio Lower Upper

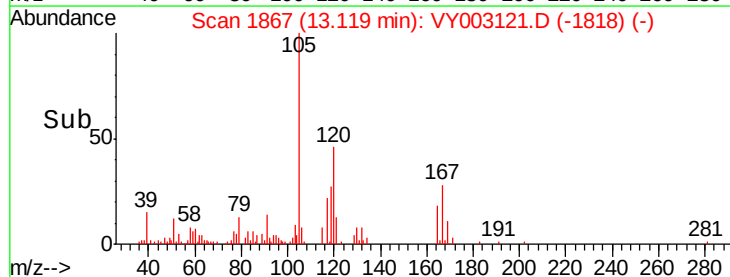
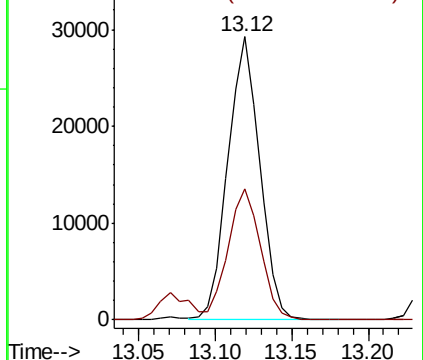
105 100

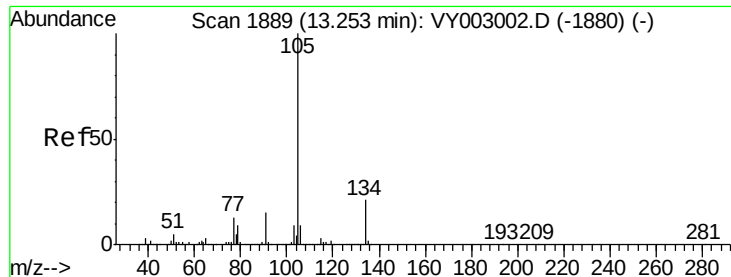
120 47.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.623 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

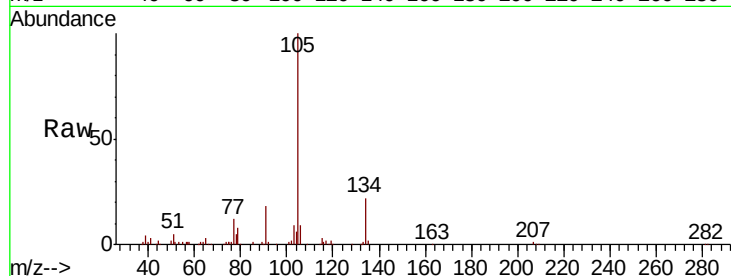
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 51510

Ion Ratio Lower Upper

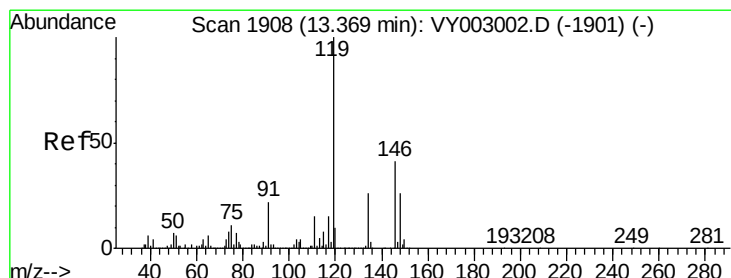
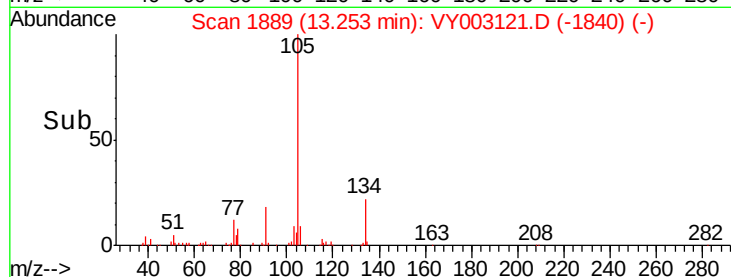
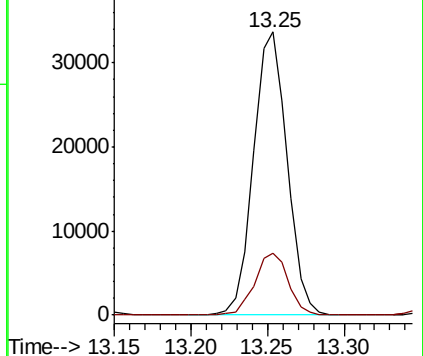
105 100

134 21.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.607 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

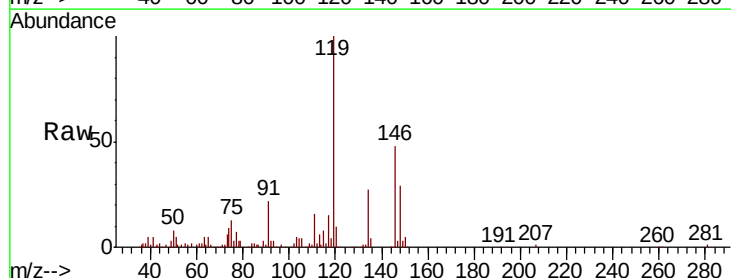
Tgt Ion:119 Resp: 47436

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

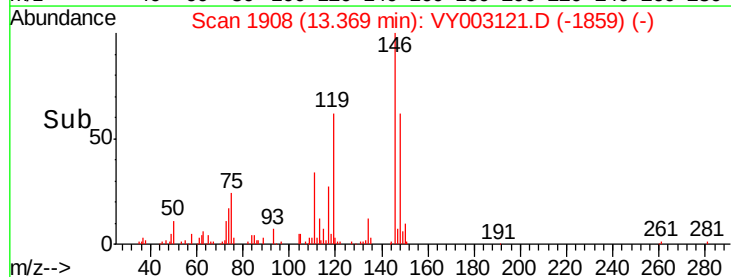
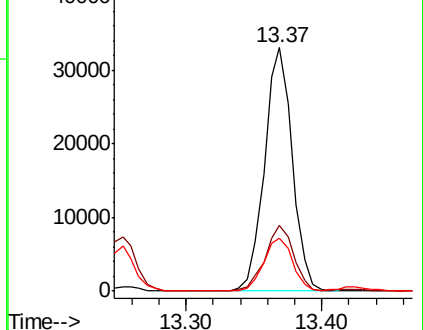
91 22.8 11.5 34.5

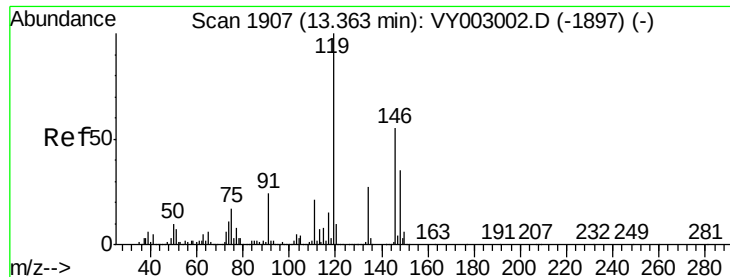


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

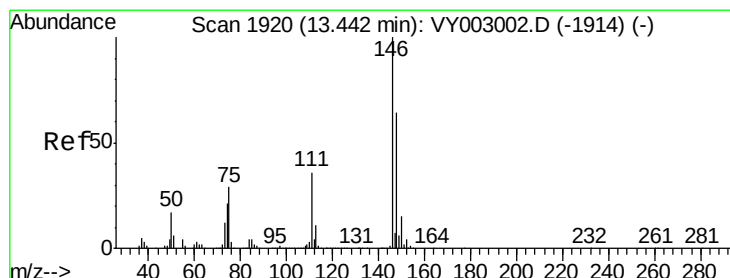
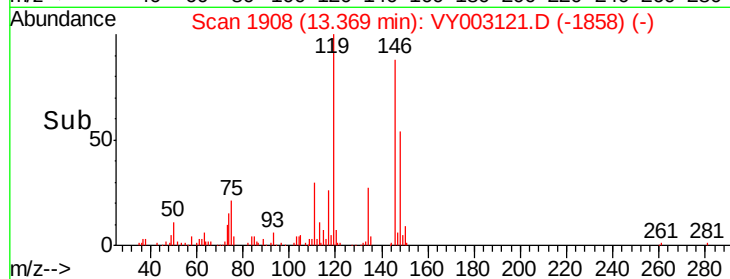
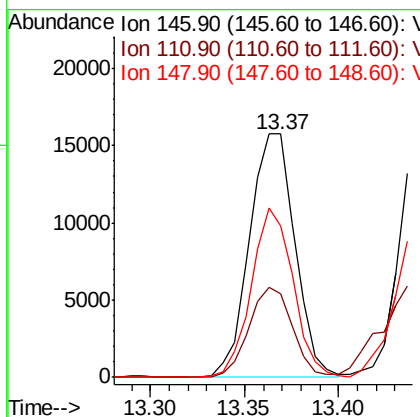
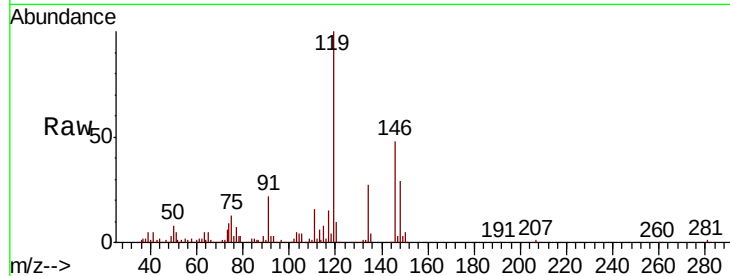




#87
 1,3-Dichlorobenzene
 Concen: 2.852 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

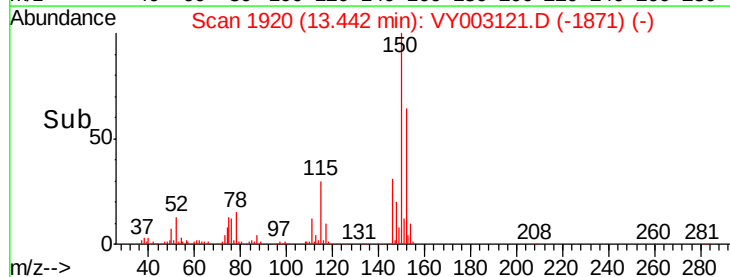
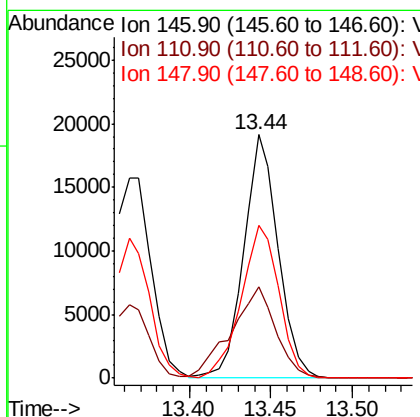
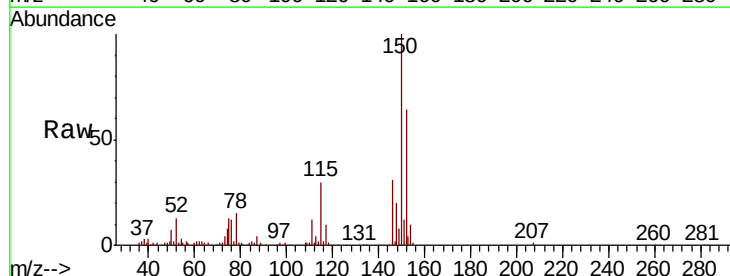
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

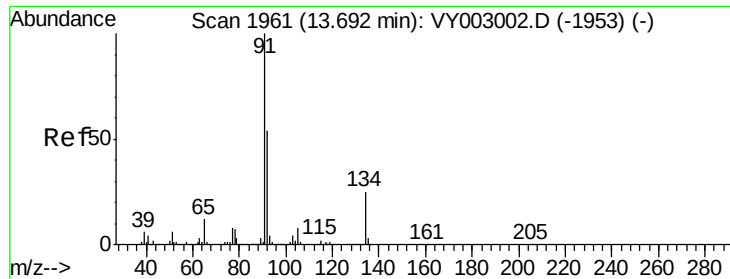
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.8	56.3
148	63.6	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 3.057 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	18.4	55.4
148	69.1	32.3	96.9

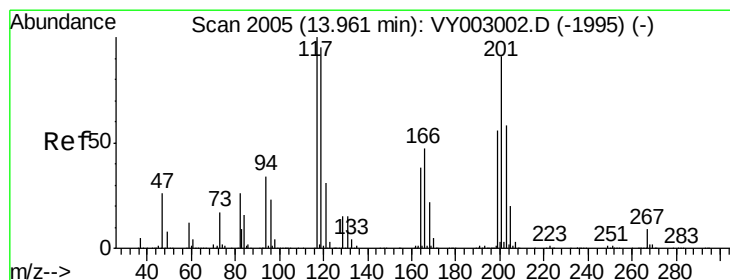
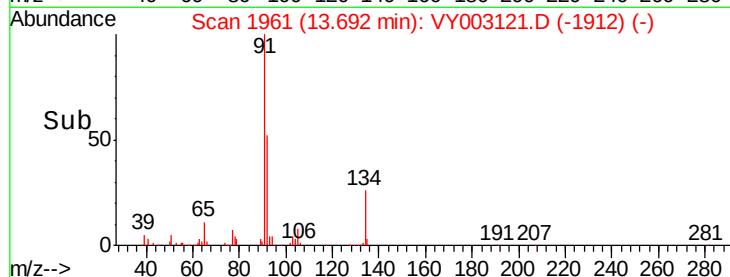
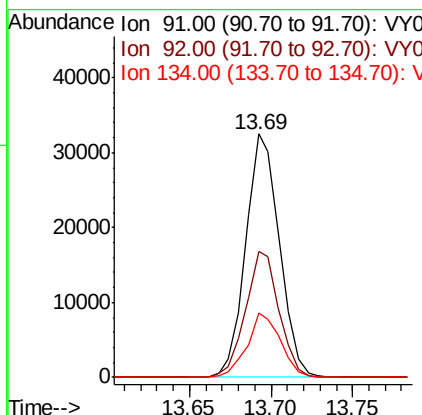
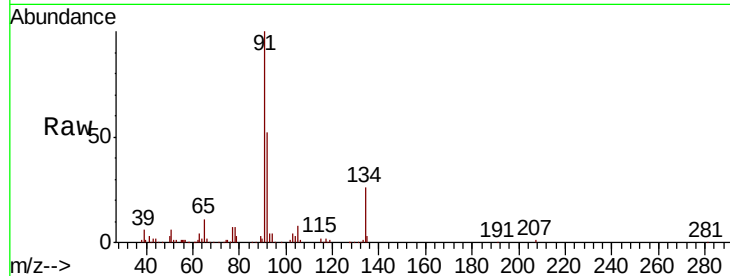




#89
n-Butylbenzene
Concen: 2.680 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

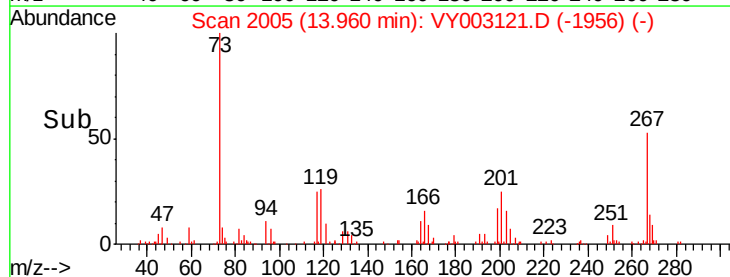
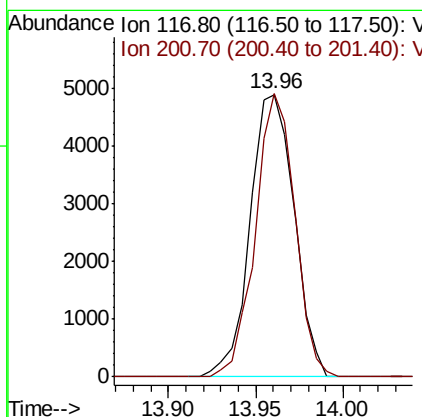
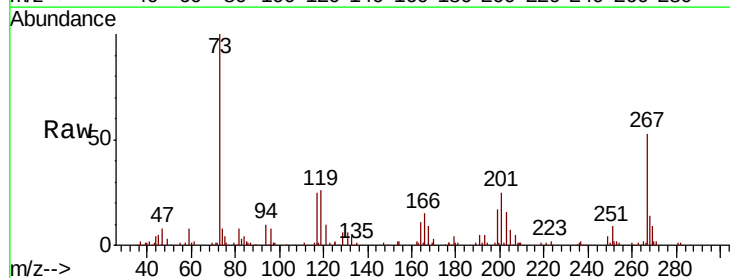
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

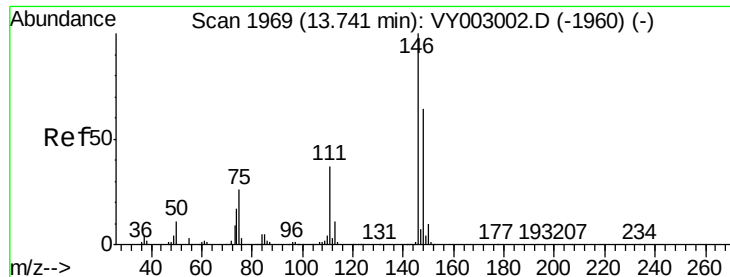
Tot Ion: 91 Resp: 46656
Ion Ratio Lower Upper
91 100
92 51.5 26.8 80.3
134 26.1 13.1 39.1



#90
Hexachloroethane
Concen: 2.369 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 117 Resp: 8559
Ion Ratio Lower Upper
117 100
201 90.0 45.5 136.4

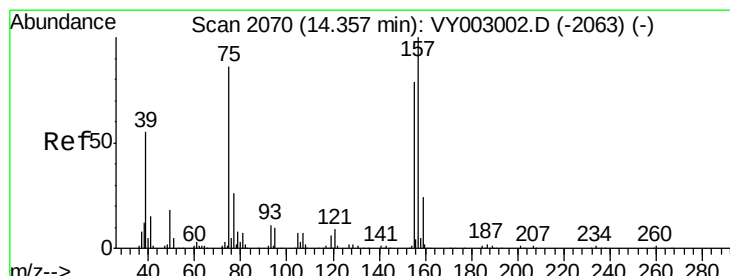
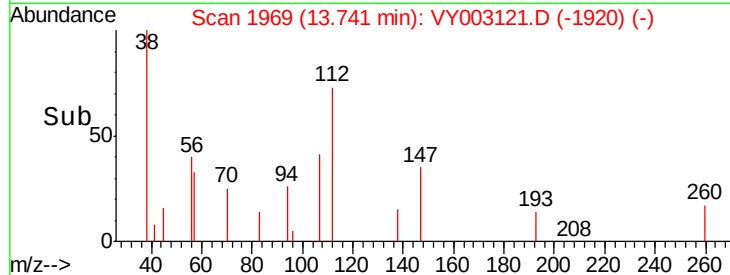
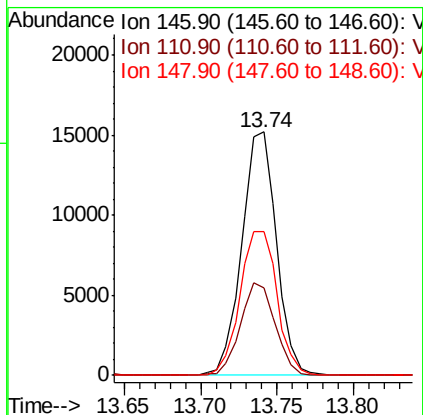
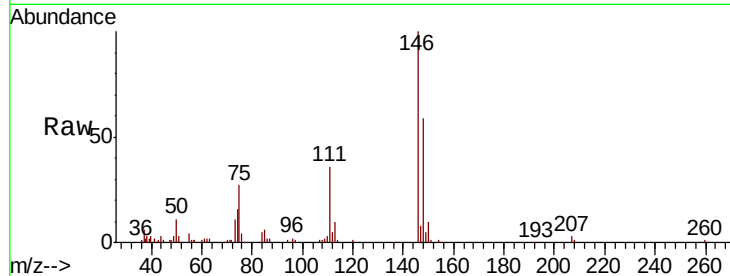




#91
 1,2-Dichlorobenzene
 Concen: 2.880 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

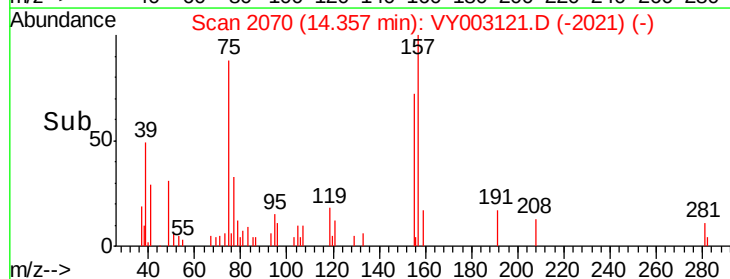
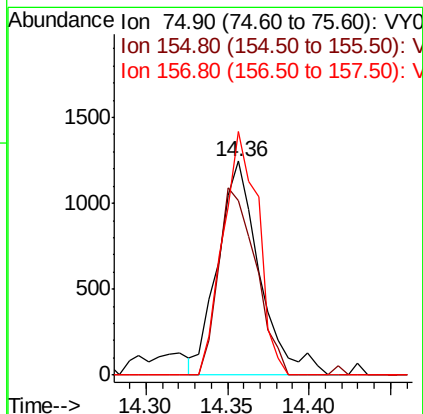
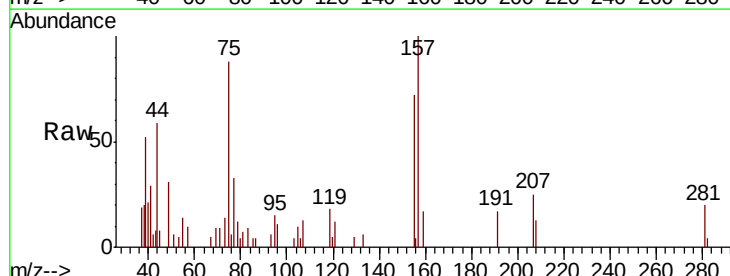
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

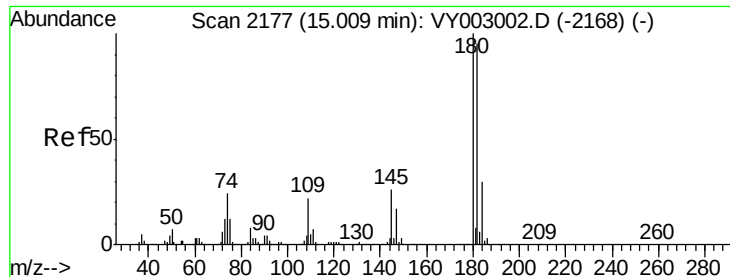
Tot Ion:146 Resp: 23912
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 63.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.179 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 75 Resp: 2196
 Ion Ratio Lower Upper
 75 100
 155 79.8 46.5 139.3
 157 97.6 59.2 177.5

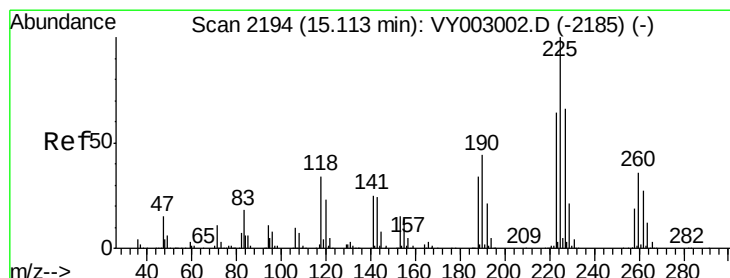
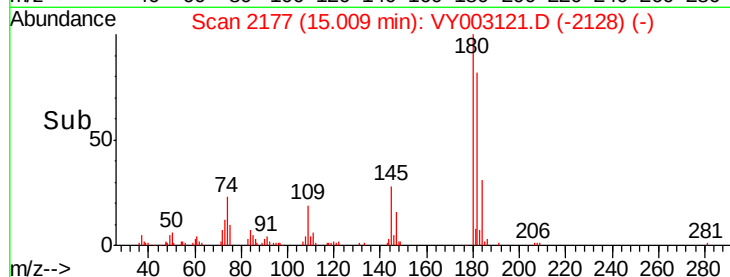
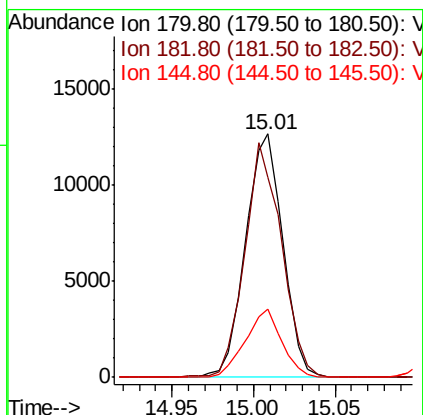
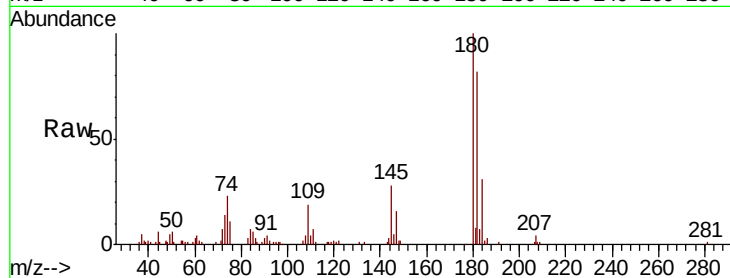




#93
 1,2,4-Trichlorobenzene
 Concen: 3.256 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

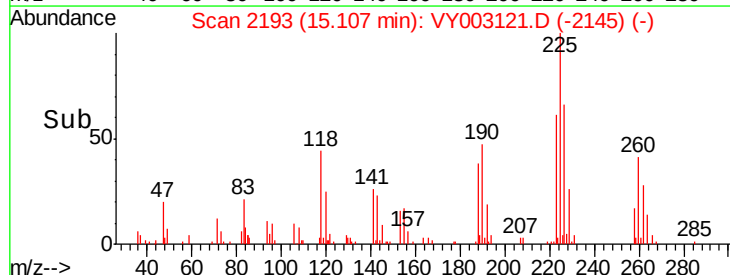
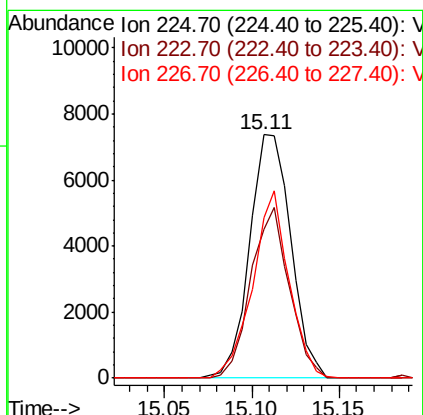
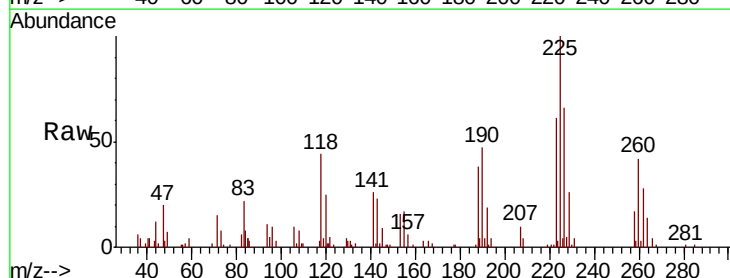
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

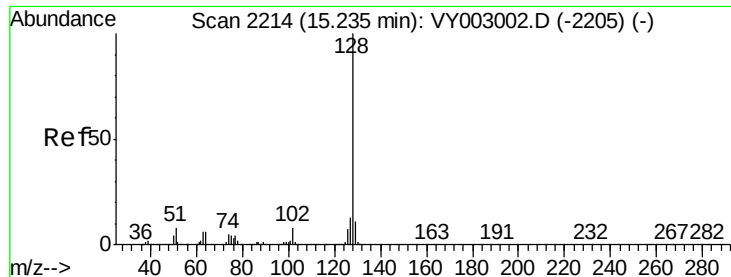
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.3
145	27.5	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 3.105 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.4	97.0
227	67.8	32.4	97.2





#95

Naphthalene

Concen: 3.074 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

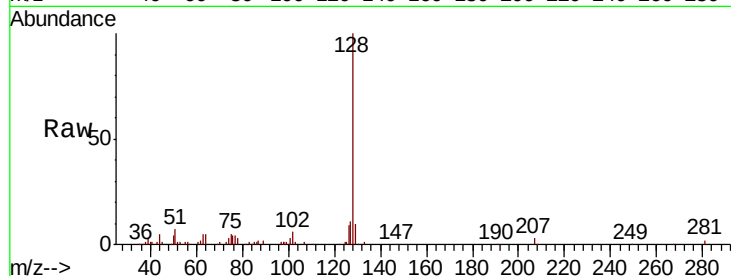
Tot Ion:128 Resp: 34640

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

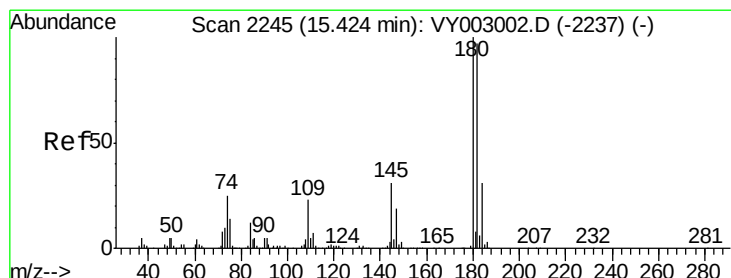
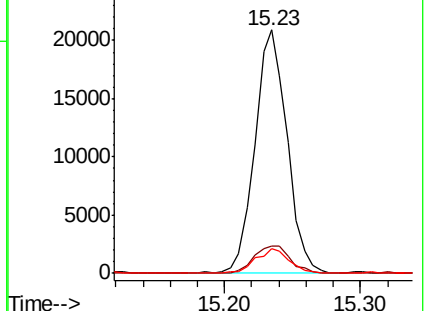
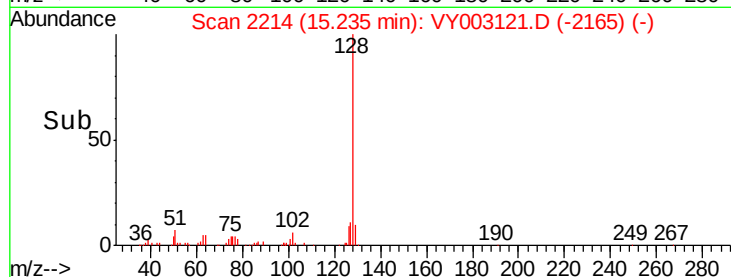
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.168 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

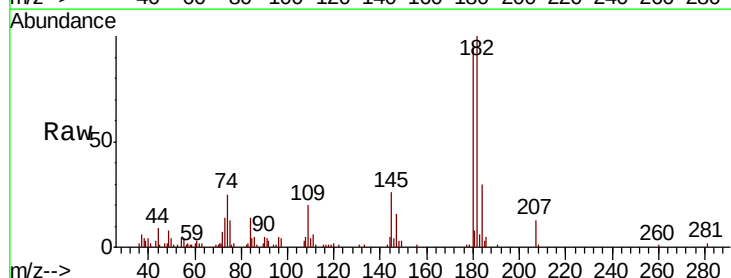
Tgt Ion:180 Resp: 16972

Ion Ratio Lower Upper

180 100

182 95.5 47.8 143.3

145 28.3 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

