

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
 Data File : VY003471.D
 Acq On : 02 Nov 2020 14:42
 Operator : SY/MD
 Sample : L4214-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Quant Time: Nov 03 02:43:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	271840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	394782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173307	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	133444	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.73	113	119971	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.18	98	484687	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.48	95	157119	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	6137	2.853	ug/l	99
3) Chloromethane	2.12	50	8020	2.832	ug/l	98
4) Vinyl Chloride	2.26	62	8891	2.797	ug/l	95
5) Bromomethane	2.66	94	7458	2.808	ug/l	97
6) Chloroethane	2.80	64	5312	2.804	ug/l #	88
7) Trichlorofluoromethane	3.13	101	12333	3.057	ug/l	98
8) Diethyl Ether	3.54	74	3321	2.684	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.91	101	6759	3.031	ug/l	97
10) Methyl Iodide	4.10	142	5612	3.050	ug/l	99
11) Tert butyl alcohol	4.95	59	8049	25.581	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	6758	3.046	ug/l	86
13) Acrolein	3.74	56	3344	14.459	ug/l	99
14) Allyl chloride	4.50	41	10812	2.671	ug/l	97
15) Acrylonitrile	5.18	53	8513	12.891	ug/l	99
16) Acetone	3.96	43	10906	11.863	ug/l	97
17) Carbon Disulfide	4.21	76	20232	2.815	ug/l	96
18) Methyl Acetate	4.49	43	5216	3.002	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	14833	2.699	ug/l	98
20) Methylene Chloride	4.73	84	12481	4.821	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	7746	3.015	ug/l	80
22) Diisopropyl ether	6.13	45	18158	2.558	ug/l	97
23) Vinyl Acetate	6.08	43	62698	11.753	ug/l	100
24) 1,1-Dichloroethane	6.03	63	12519	2.775	ug/l	97
25) 2-Butanone	7.00	43	13687	11.904	ug/l	96
26) 2,2-Dichloropropane	6.99	77	12704	3.023	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	7816	2.808	ug/l	99
28) Bromochloromethane	7.35	49	5602	2.468	ug/l #	98
29) Tetrahydrofuran	7.36	42	7406	12.326	ug/l	97
30) Chloroform	7.52	83	12460	2.812	ug/l	94
31) Cyclohexane	7.80	56	15597	3.734	ug/l #	64
32) 1,1,1-Trichloroethane	7.71	97	10970	2.654	ug/l	98
36) 1,1-Dichloropropene	7.92	75	10796	2.900	ug/l	99
37) Ethyl Acetate	7.08	43	6395	2.767	ug/l	99
38) Carbon Tetrachloride	7.91	117	10146	2.628	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	11305	2.728	ug/l	94
40) Benzene	8.17	78	28423	2.744	ug/l	99
41) Methacrylonitrile	7.32	41	2946m	2.387	ug/l	
42) 1,2-Dichloroethane	8.25	62	8915	2.747	ug/l	100
43) Isopropyl Acetate	8.28	43	10311	2.482	ug/l	95
44) Trichloroethene	8.95	130	8041	2.765	ug/l	93
45) 1,2-Dichloropropane	9.22	63	7027	2.686	ug/l	97
46) Dibromomethane	9.31	93	3983	2.768	ug/l	96
47) Bromodichloromethane	9.50	83	9638	2.736	ug/l	99
48) Methyl methacrylate	9.30	41	4549	2.325	ug/l	96
49) 1,4-Dioxane	9.30	88	993	55.299	ug/l #	88
51) 4-Methyl-2-Pentanone	10.07	43	26163	11.822	ug/l	100
52) Toluene	10.24	92	17127	2.644	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	9814	2.618	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	10658	2.527	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	5353	2.620	ug/l	98
56) Ethyl methacrylate	10.51	69	6410	2.343	ug/l	99
57) 1,3-Dichloropropane	10.79	76	9085	2.557	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	14736	10.623	ug/l	96
59) 2-Hexanone	10.83	43	18315	11.177	ug/l	97
60) Dibromochloromethane	10.99	129	6254	2.491	ug/l	98
61) 1,2-Dibromoethane	11.09	107	5123	2.597	ug/l	100
64) Tetrachloroethene	10.72	164	7756	2.993	ug/l	89
65) Chlorobenzene	11.52	112	19640	2.914	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	6474	2.547	ug/l	92
67) Ethyl Benzene	11.60	91	33578	2.747	ug/l	97
68) m/p-Xylenes	11.70	106	25001	5.398	ug/l	99
69) o-Xylene	12.03	106	11224	2.634	ug/l	98
70) Styrene	12.05	104	18020	2.491	ug/l	99
71) Bromoform	12.20	173	4306	2.541	ug/l #	100
73) Isopropylbenzene	12.33	105	30525	2.696	ug/l	99
74) N-amyl acetate	12.14	43	8047	2.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	6559	2.712	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	5163m	2.816	ug/l	
77) Bromobenzene	12.61	156	8112	2.820	ug/l	99
78) n-propylbenzene	12.67	91	37227	2.792	ug/l	99
79) 2-Chlorotoluene	12.75	91	21405	2.873	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	25508	2.719	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	2281m	2.596	ug/l	
82) 4-Chlorotoluene	12.86	91	22254	2.858	ug/l	98
83) tert-Butylbenzene	13.08	119	22110	2.658	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	24546	2.618	ug/l	99
85) sec-Butylbenzene	13.25	105	31177	2.768	ug/l	100
86) p-Isopropyltoluene	13.37	119	27424	2.625	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	15256	2.847	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	16338	3.066	ug/l	91
89) n-Butylbenzene	13.70	91	26170	2.743	ug/l	99
90) Hexachloroethane	13.96	117	4948	2.814	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	13164	2.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1318	3.011	ug/l	92

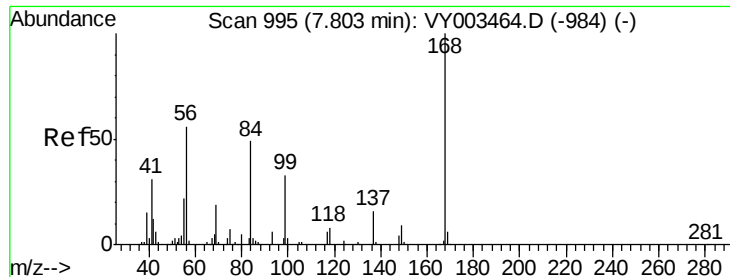
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	9963	2.959	ug/l	98
94) Hexachlorobutadiene	15.11	225	6595	3.045	ug/l	96
95) Naphthalene	15.23	128	19076	2.829	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	8470	2.797	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

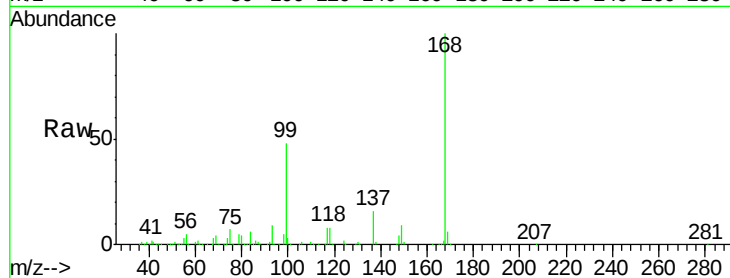
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:168 Resp: 271840

Ion Ratio Lower Upper

168 100

99 48.0 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003471.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY003471.D (-946) (-)

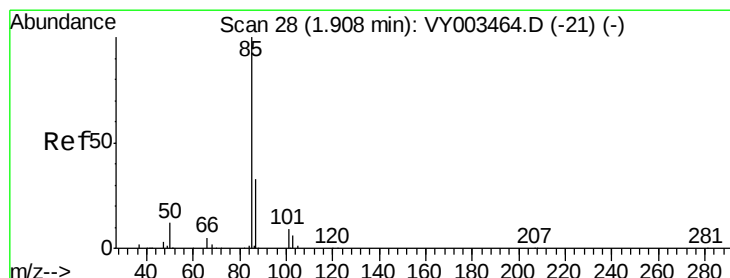
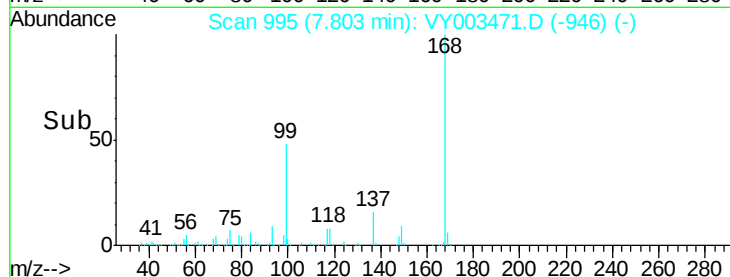
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.853 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY003471.D

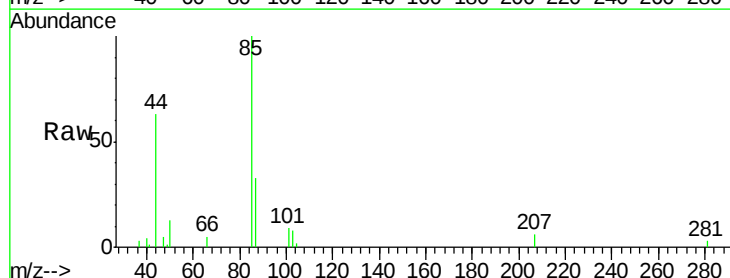
Acq: 02 Nov 2020 14:42

Tgt Ion: 85 Resp: 6137

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003471.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003471.D (-1) (-)

1.91

5000

4000

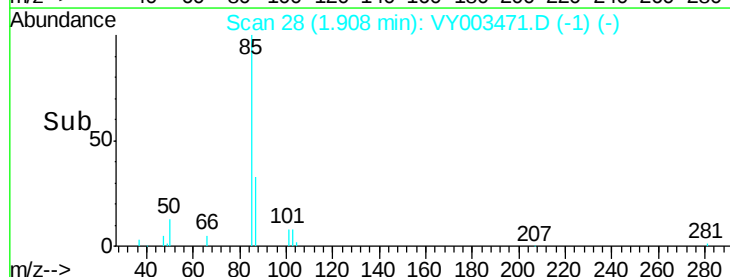
3000

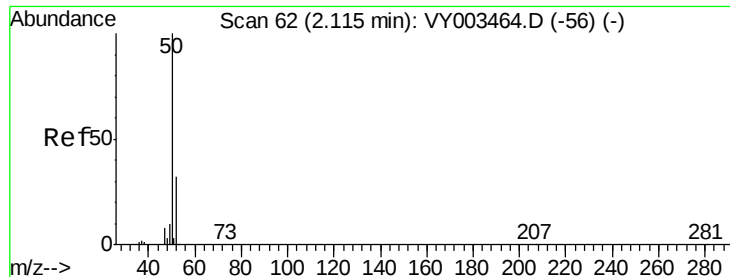
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.832 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

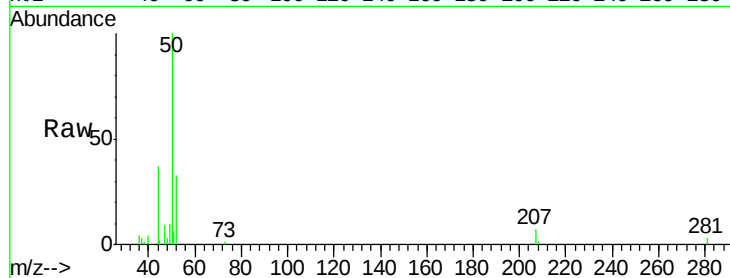
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 50 Resp: 8020

Ion Ratio Lower Upper

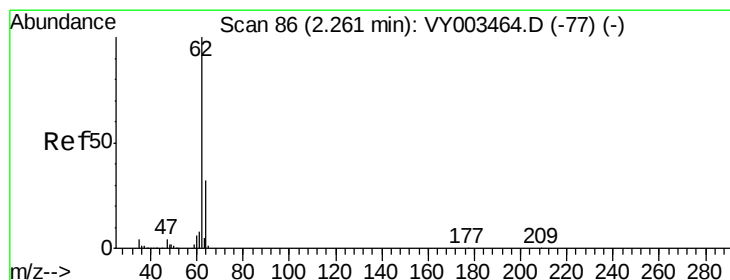
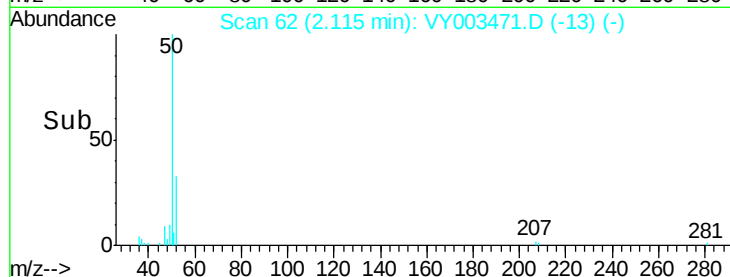
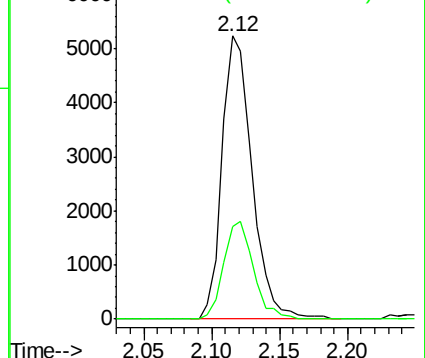
50 100

52 32.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.797 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003471.D

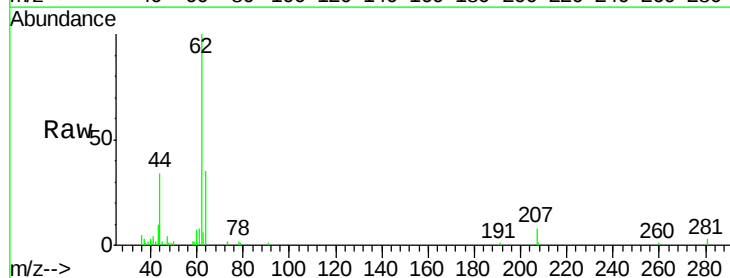
Acq: 02 Nov 2020 14:42

Tgt Ion: 62 Resp: 8891

Ion Ratio Lower Upper

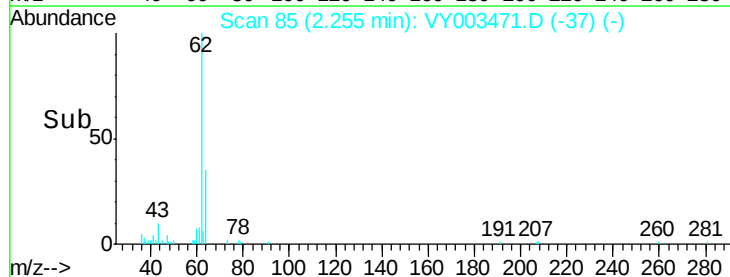
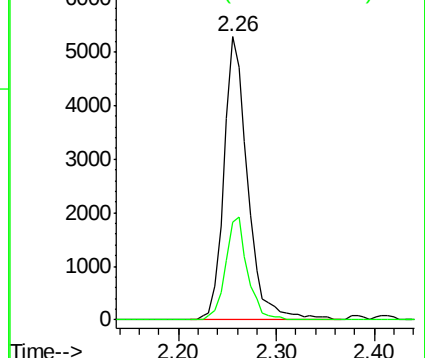
62 100

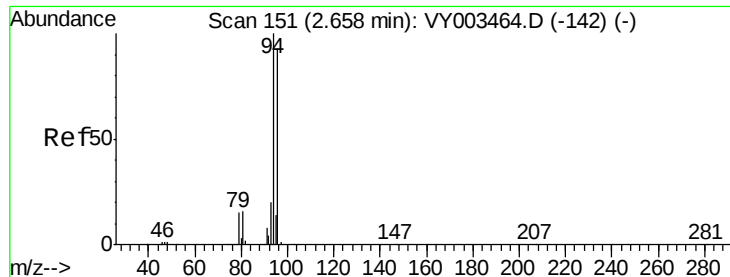
64 34.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 2.808 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

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ClientSampleId :

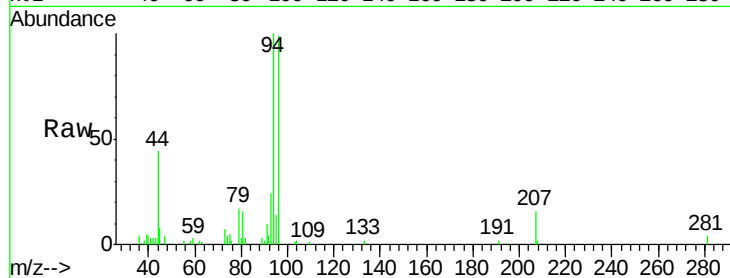
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 94 Resp: 7458

Ion Ratio Lower Upper

94 100

96 96.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

4000

3000

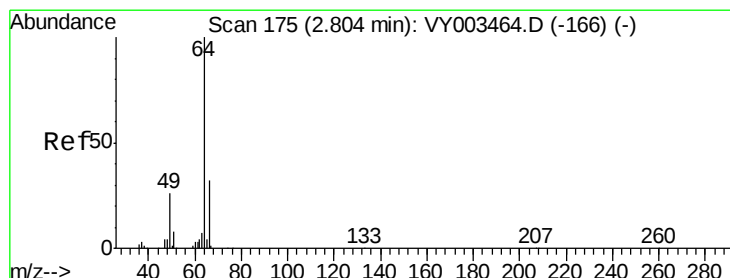
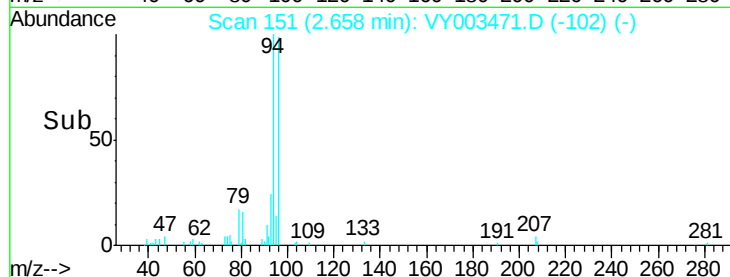
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 2.804 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003471.D

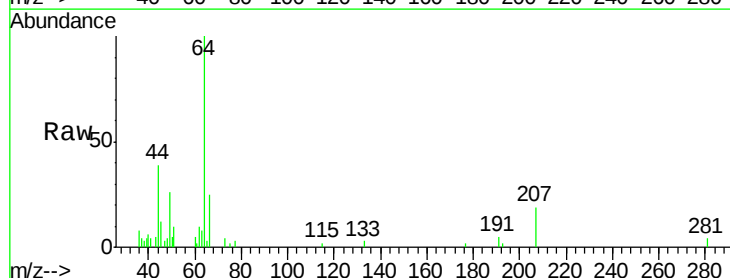
Acq: 02 Nov 2020 14:42

Tgt Ion: 64 Resp: 5312

Ion Ratio Lower Upper

64 100

66 25.4 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

3000

2500

2000

1500

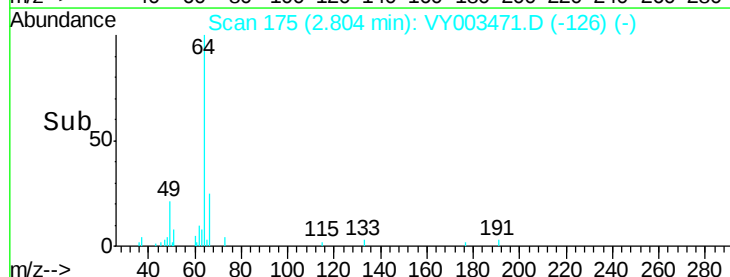
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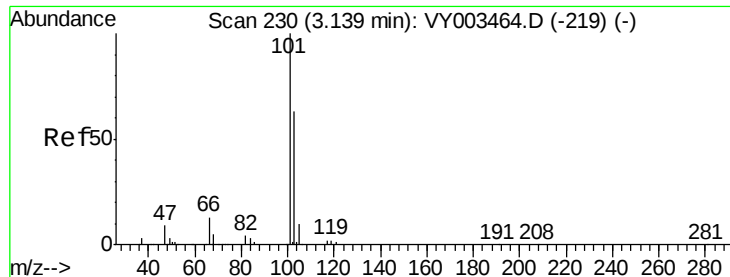
500

0

Time-->

2.70 2.75 2.80 2.85 2.90





#7

Trichlorofluoromethane

Concen: 3.057 ug/l

RT: 3.13 min Scan# 229

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

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ClientSampleId :

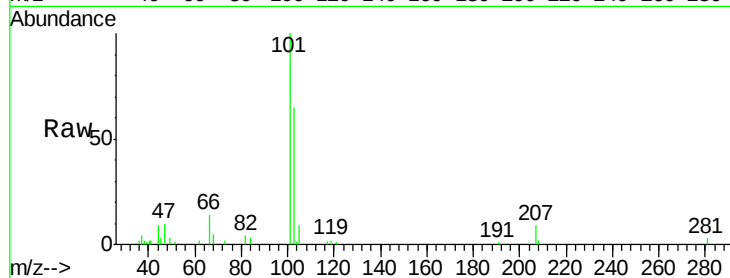
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:101 Resp: 12333

Ion Ratio Lower Upper

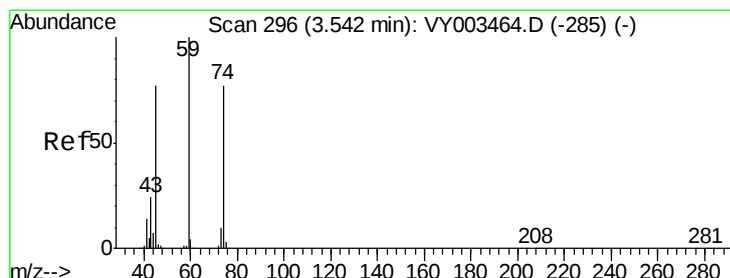
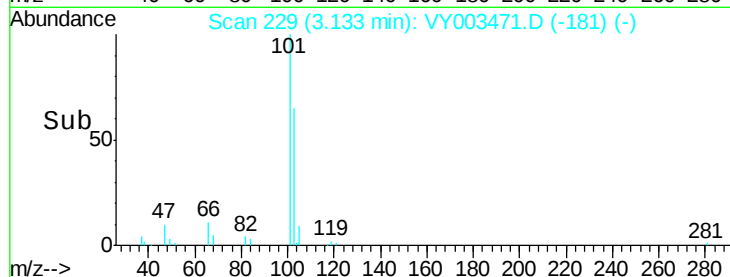
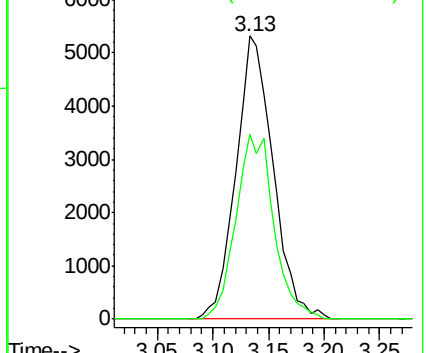
101 100

103 65.2 50.7 76.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.684 ug/l

RT: 3.54 min Scan# 296

Delta R.T. -0.00 min

Lab File: VY003471.D

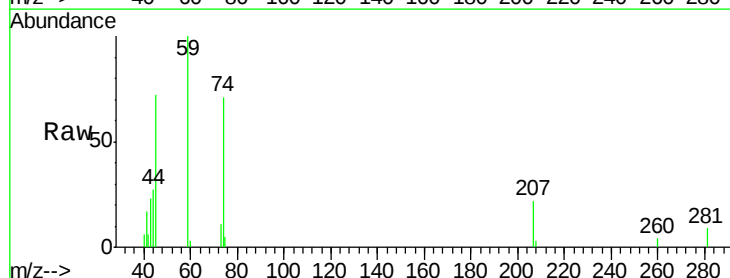
Acq: 02 Nov 2020 14:42

Tgt Ion: 74 Resp: 3321

Ion Ratio Lower Upper

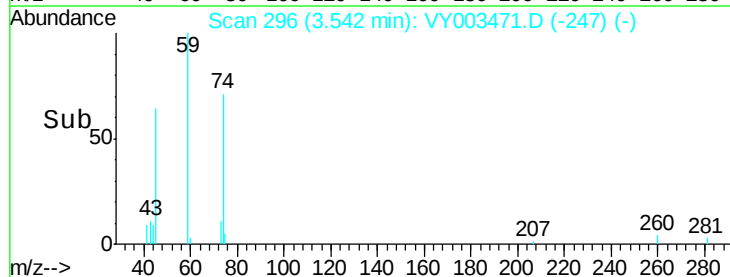
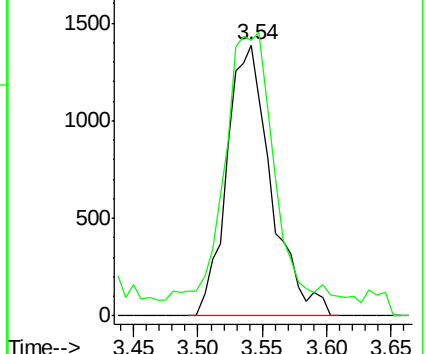
74 100

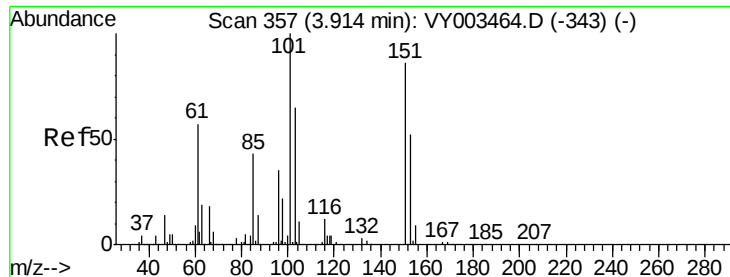
45 115.2 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.031 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003471.D

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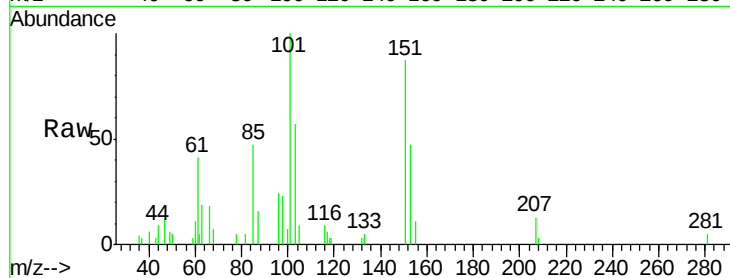
Tot Ion:101 Resp: 6759

Ion Ratio Lower Upper

101 100

85 41.0 35.8 53.8

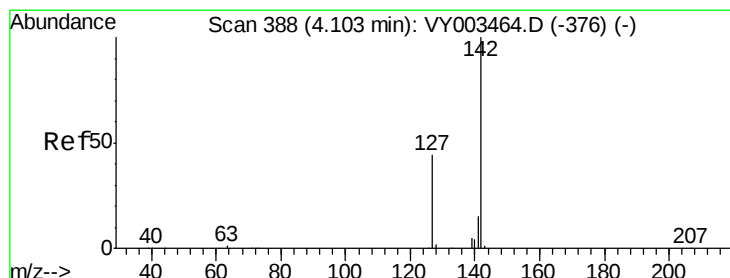
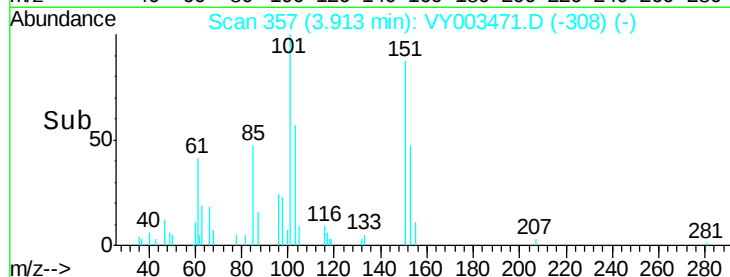
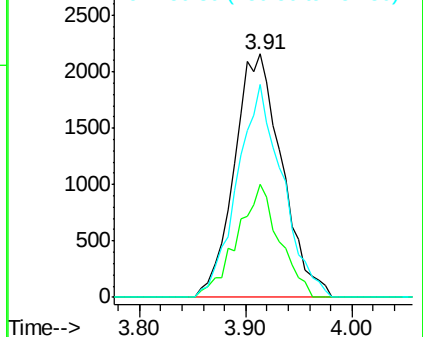
151 83.2 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.050 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

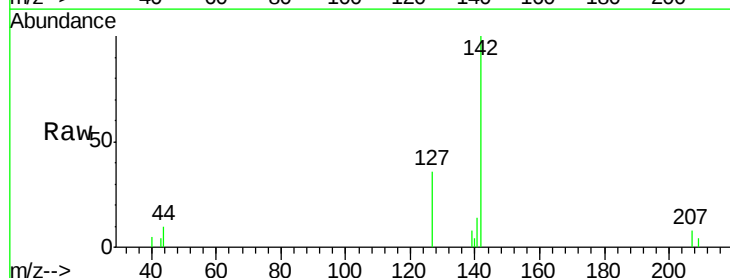
Tgt Ion:142 Resp: 5612

Ion Ratio Lower Upper

142 100

127 43.2 34.5 51.7

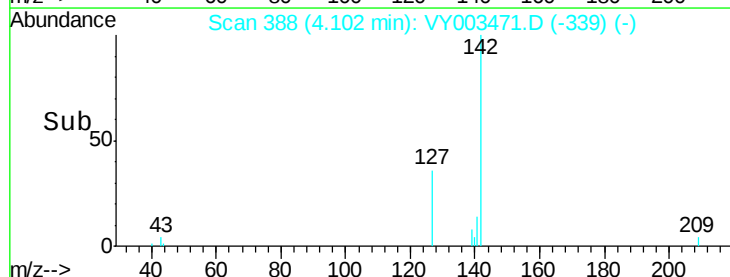
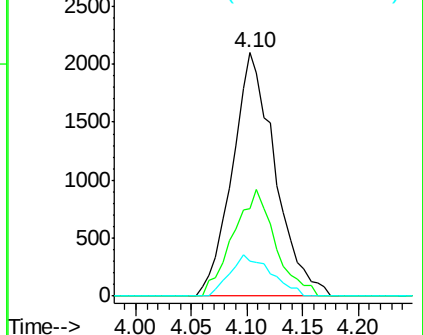
141 16.1 11.8 17.8

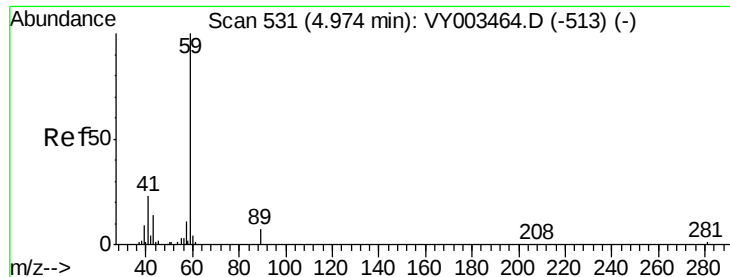


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



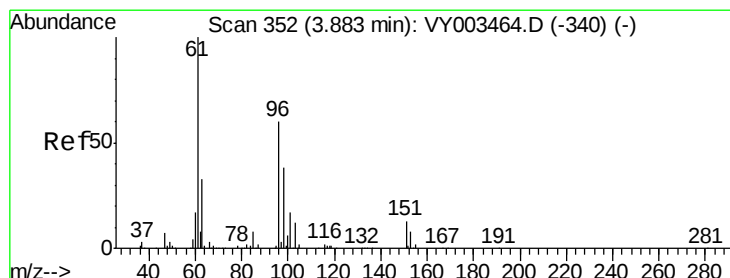
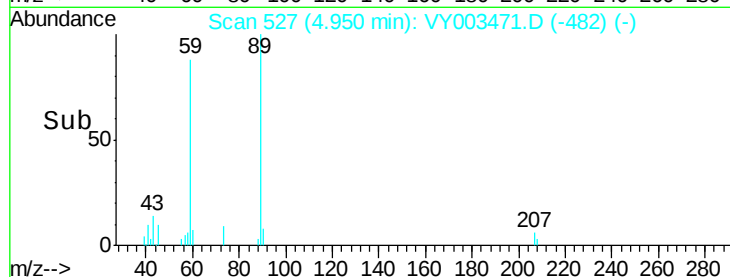
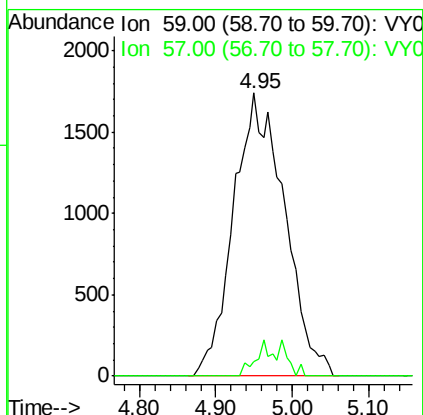
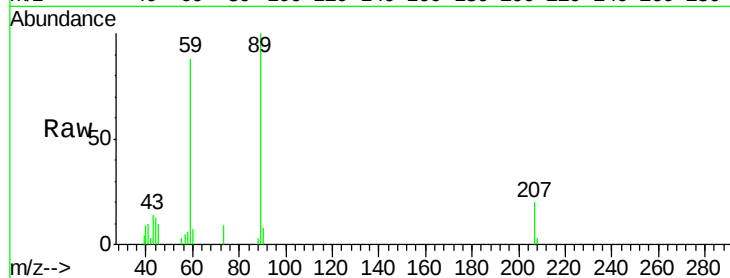


#11

Tert butyl alcohol
 Concen: 25.581 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

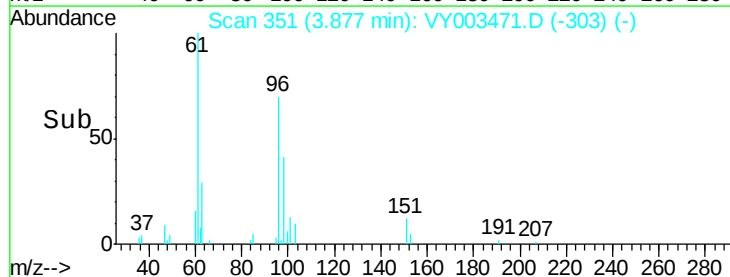
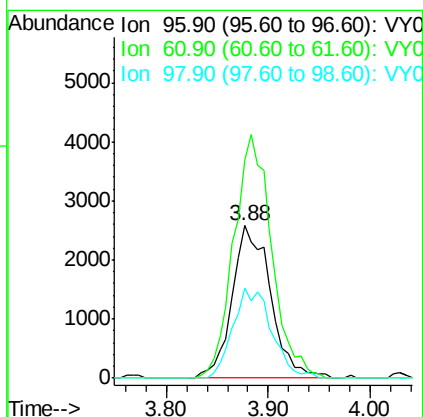
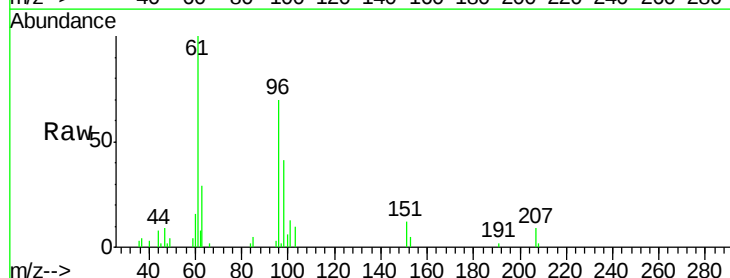
Tot Ion: 59 Resp: 8049
 Ion Ratio Lower Upper
 59 100
 57 4.1 7.9 11.9#

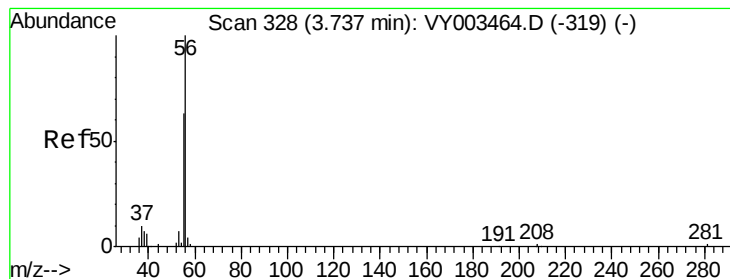


#12

1,1-Dichloroethene
 Concen: 3.046 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 96 Resp: 6758
 Ion Ratio Lower Upper
 96 100
 61 142.9 133.6 200.4
 98 59.1 50.2 75.2





#13

Acrolein

Concen: 14.459 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

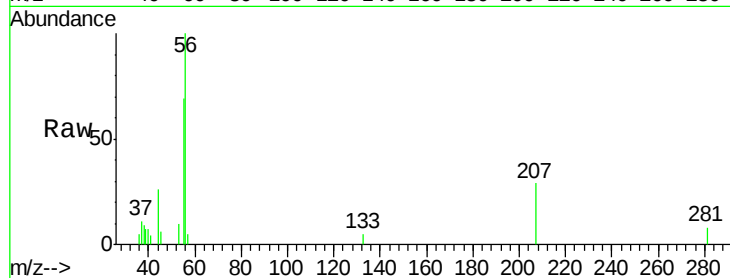
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 56 Resp: 3344

Ion Ratio Lower Upper

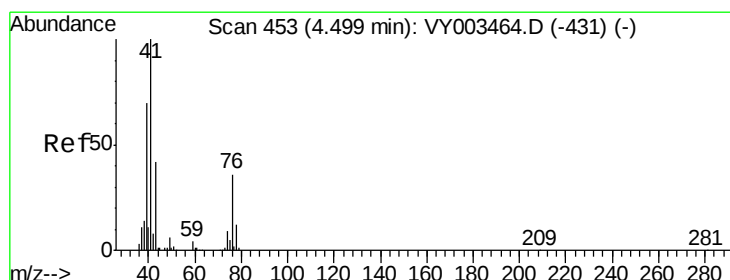
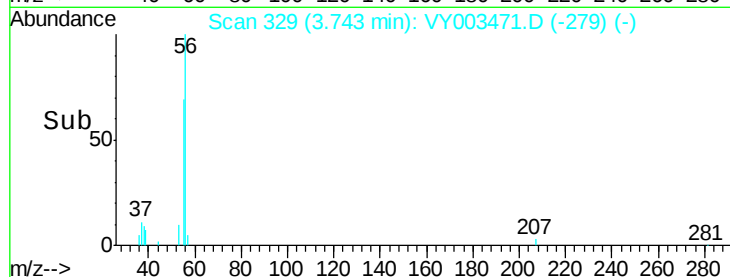
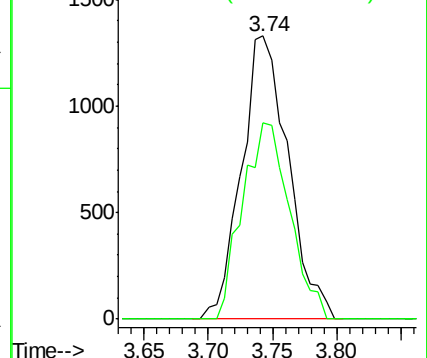
56 100

55 69.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 2.671 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

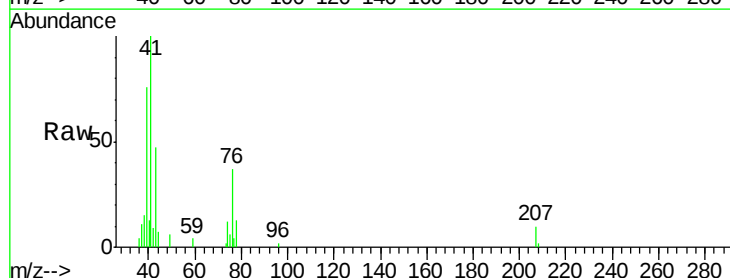
Tgt Ion: 41 Resp: 10812

Ion Ratio Lower Upper

41 100

39 70.6 54.4 81.6

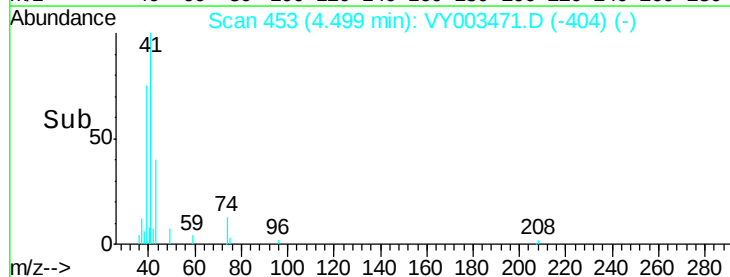
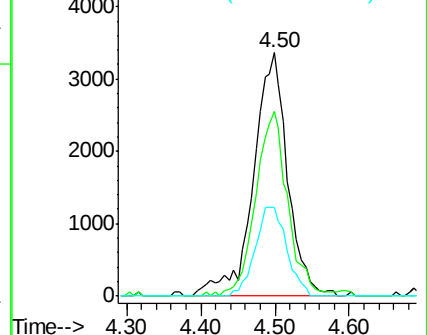
76 33.7 27.6 41.4

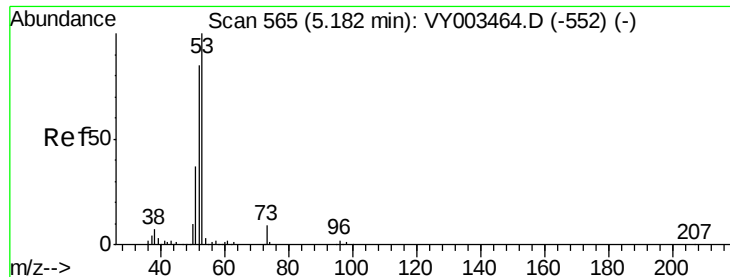


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 12.891 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

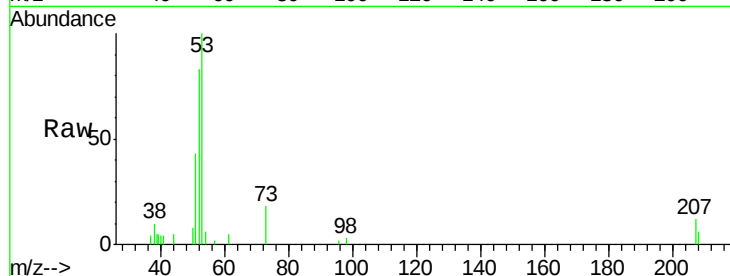
Tot Ion: 53 Resp: 8513

Ion Ratio Lower Upper

53 100

52 83.6 66.9 100.3

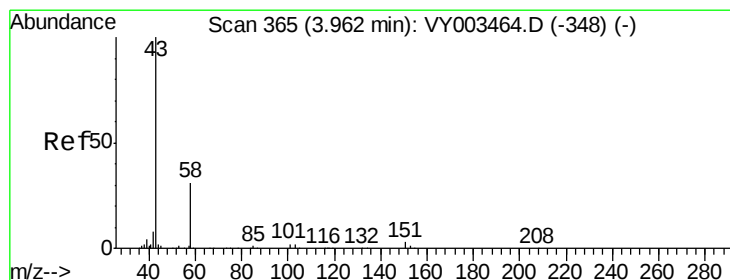
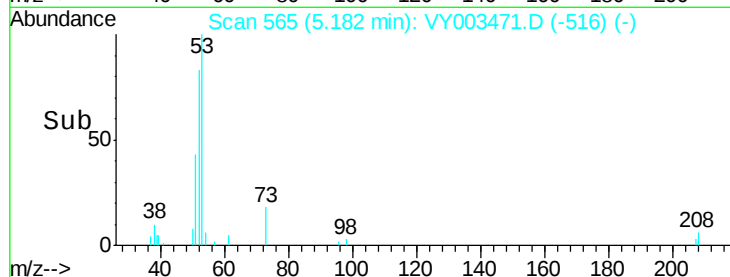
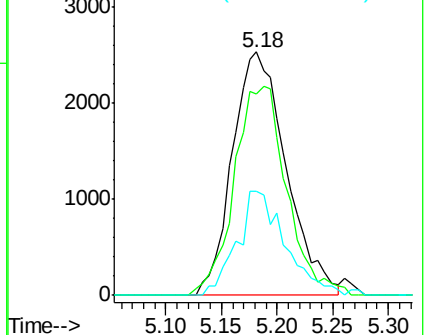
51 38.4 29.3 43.9



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: 11.863 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY003471.D

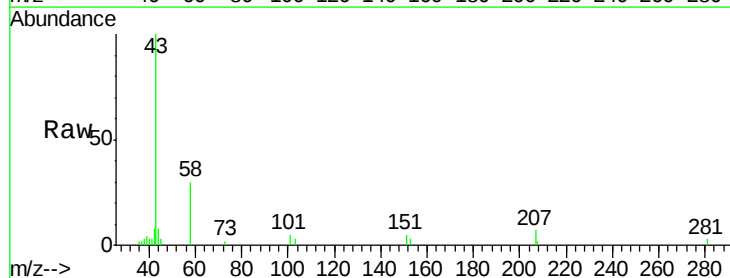
Acq: 02 Nov 2020 14:42

Tgt Ion: 43 Resp: 10906

Ion Ratio Lower Upper

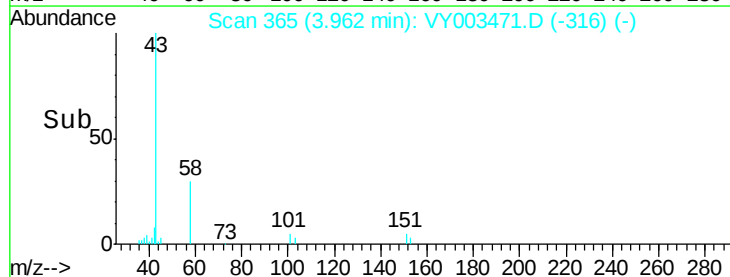
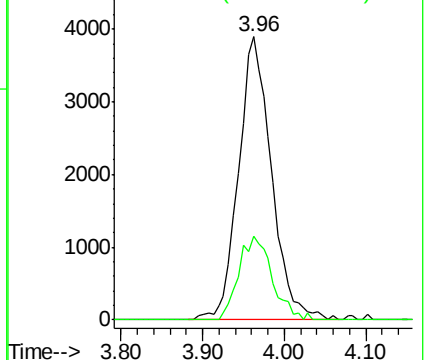
43 100

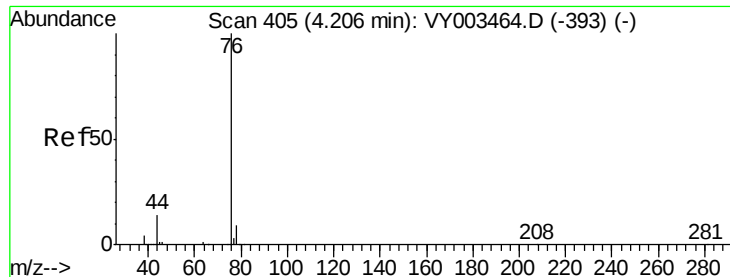
58 29.6 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 2.815 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

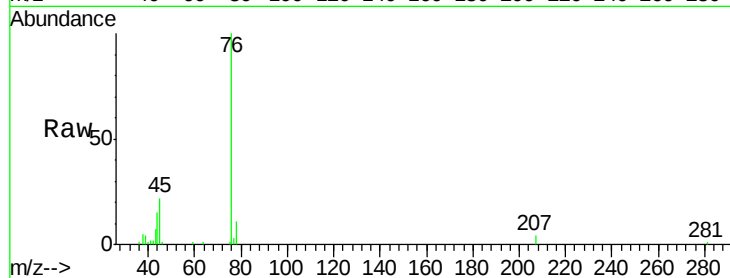
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 20232

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

8000

6000

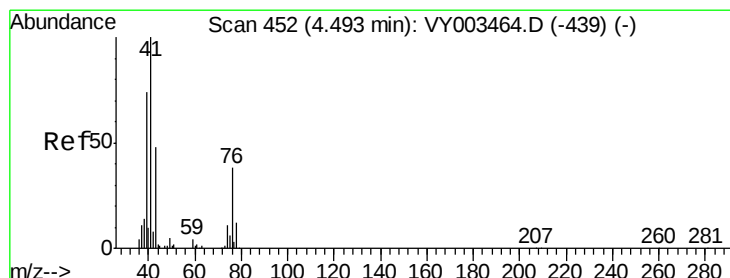
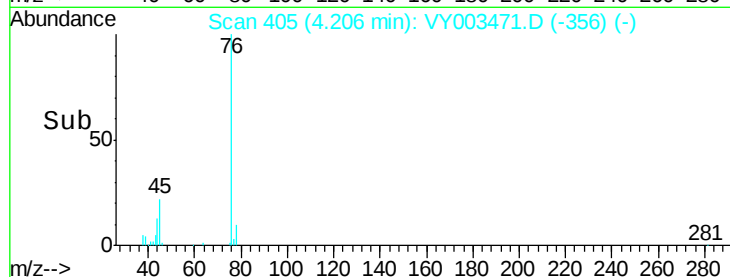
4000

2000

0

Time-->

4.10 4.20 4.30



#18

Methyl Acetate

Concen: 3.002 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003471.D

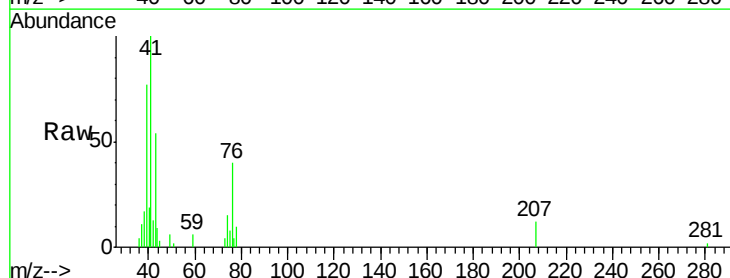
Acq: 02 Nov 2020 14:42

Tgt Ion: 43 Resp: 5216

Ion Ratio Lower Upper

43 100

74 22.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

1500

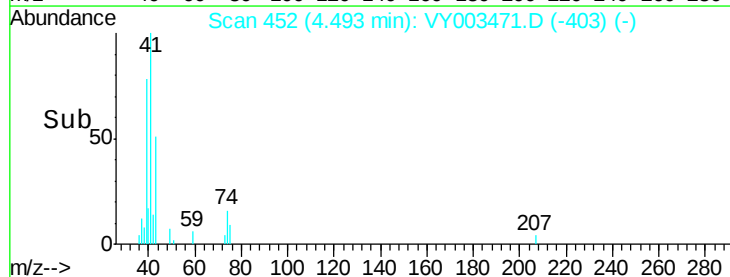
1000

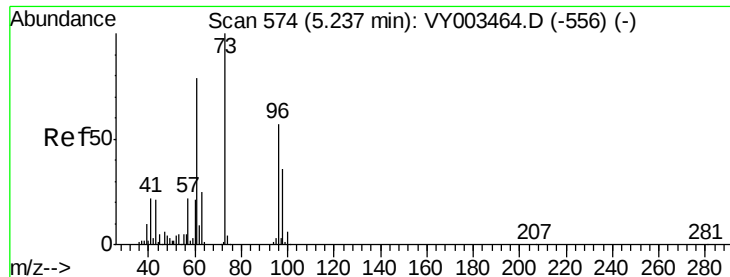
500

0

Time-->

4.40 4.50 4.60

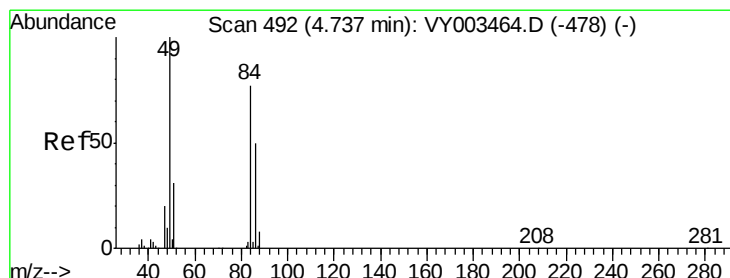
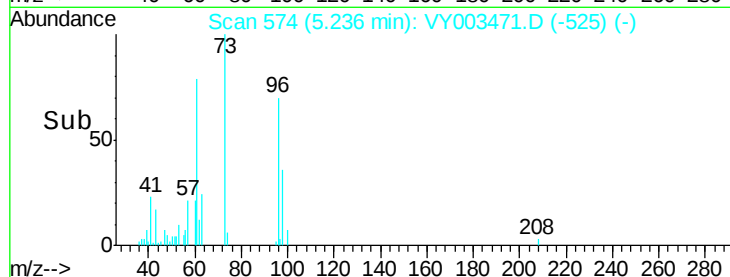
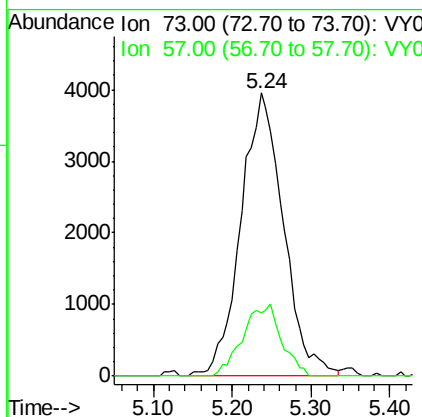
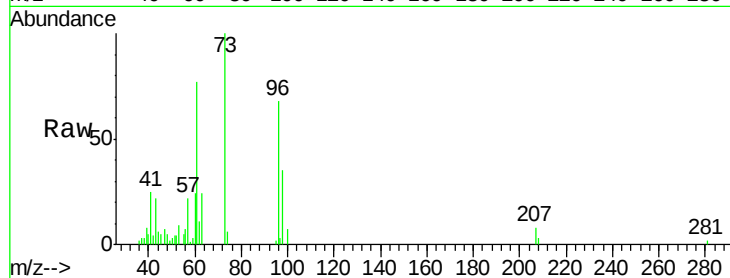




#19
Methvl tert-butvl Ether
Concen: 2.699 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

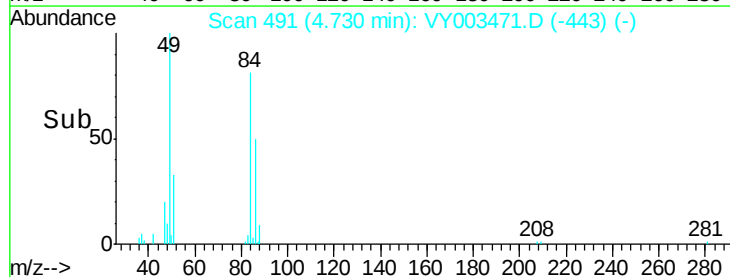
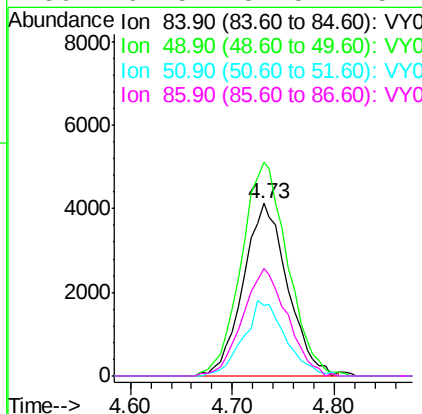
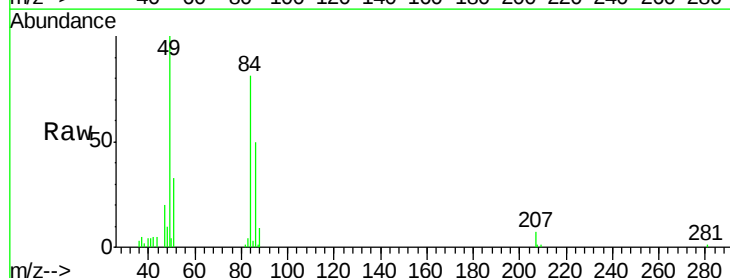
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

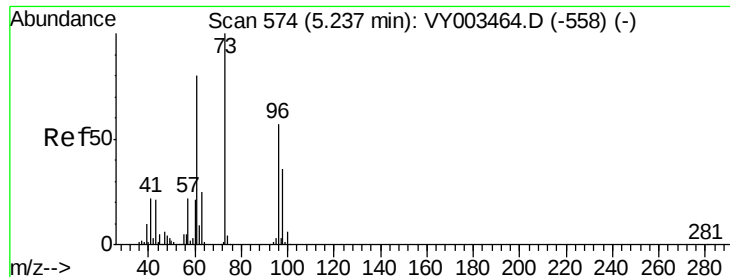
Tot Ion: 73 Resp: 14833
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8



#20
Methylene Chloride
Concen: 4.821 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 84 Resp: 12481
Ion Ratio Lower Upper
84 100
49 123.8 104.3 156.5
51 40.6 32.5 48.7
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 3.015 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

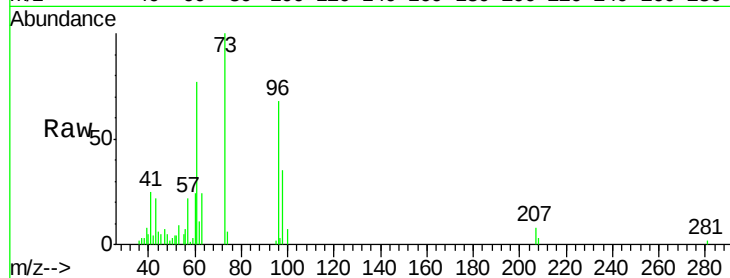
Tot Ion: 96 Resp: 7746

Ion Ratio Lower Upper

96 100

61 112.7 111.3 166.9

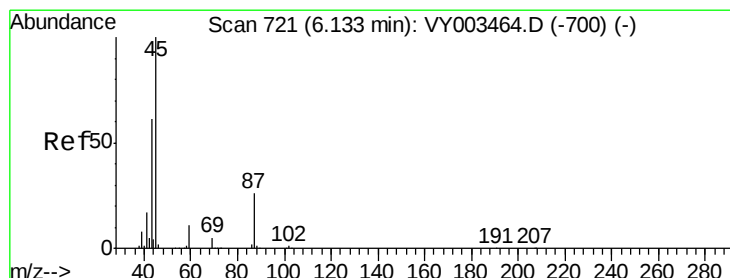
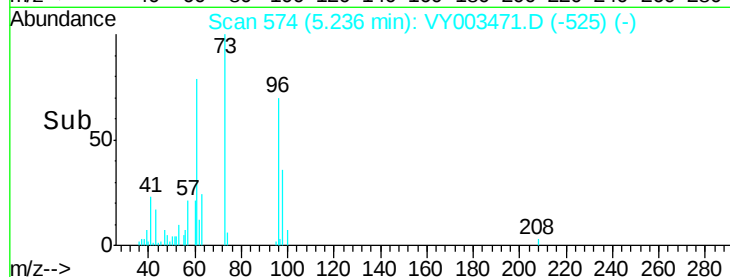
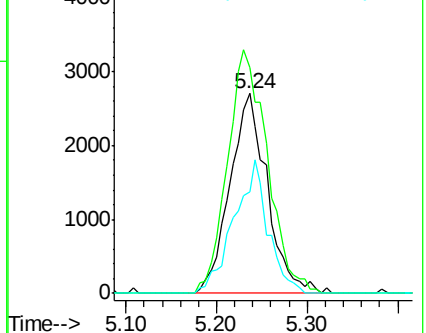
98 50.7 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 2.558 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Tgt Ion: 45 Resp: 18158

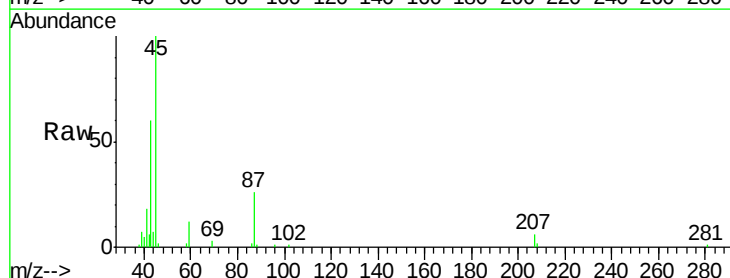
Ion Ratio Lower Upper

45 100

43 58.5 48.8 73.2

87 25.5 20.6 31.0

59 12.3 9.0 13.4

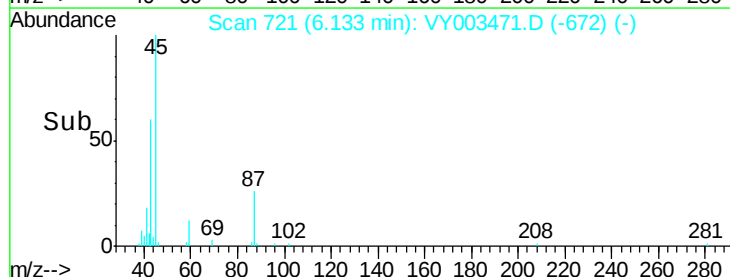
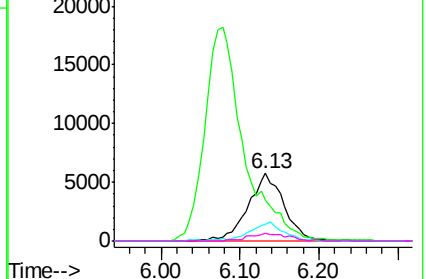


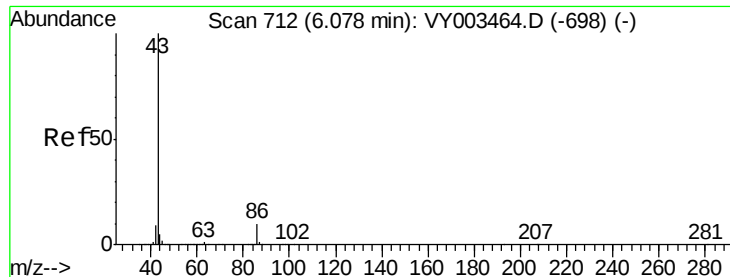
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 11.753 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

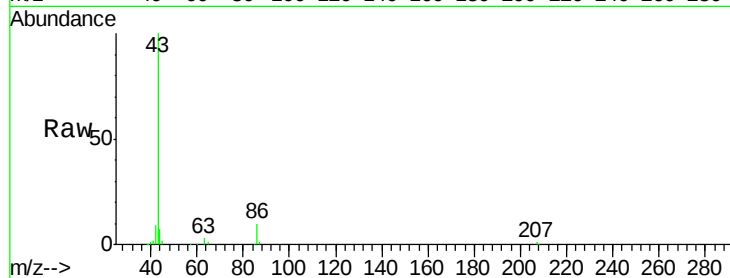
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 62698

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

20000

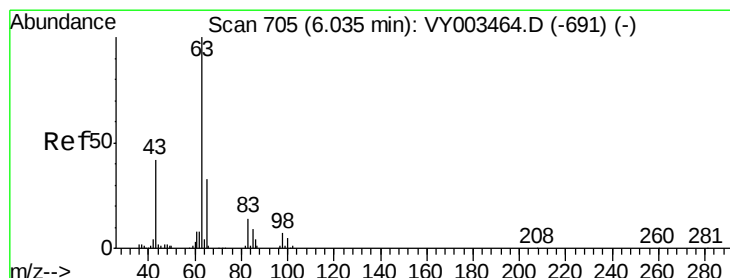
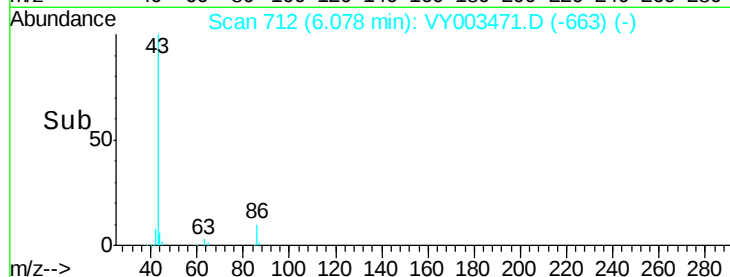
15000

10000

5000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 2.775 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

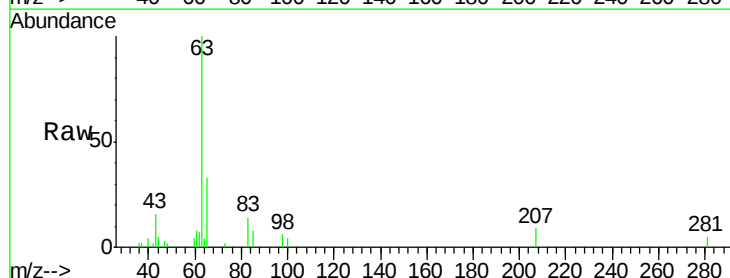
Tgt Ion: 63 Resp: 12519

Ion Ratio Lower Upper

63 100

98 5.5 3.6 10.8

100 4.4 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

5000

4000

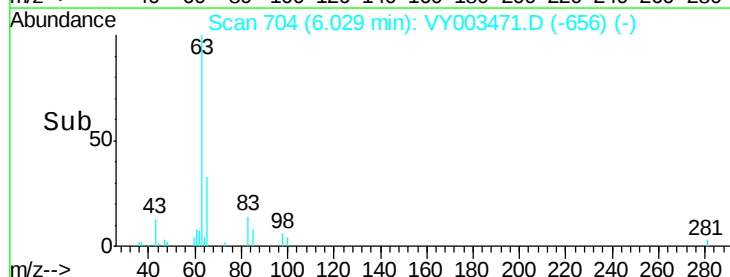
3000

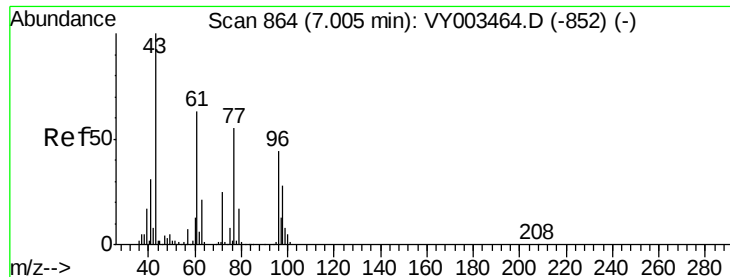
2000

1000

0

Time--> 5.90 6.00 6.10





#25

2-Butanone

Concen: 11.904 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

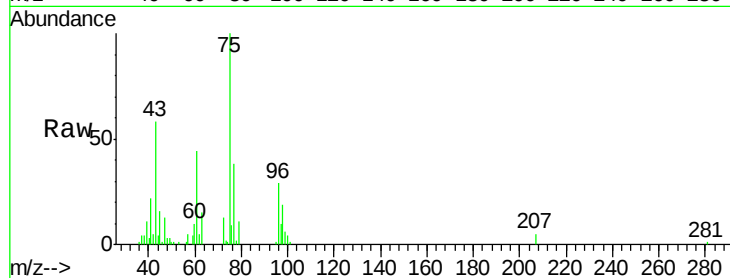
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 13687

Ion Ratio Lower Upper

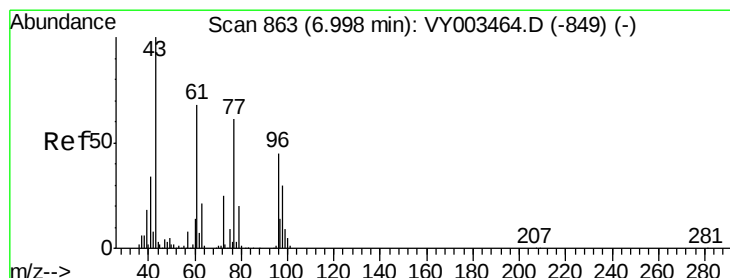
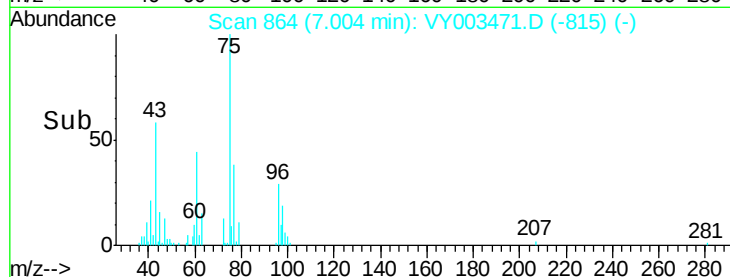
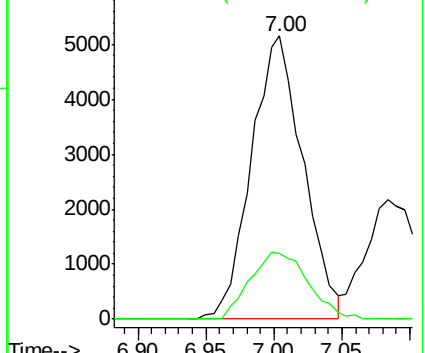
43 100

72 23.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.023 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003471.D

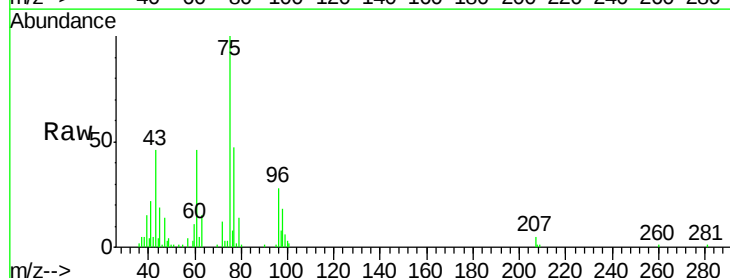
Acq: 02 Nov 2020 14:42

Tgt Ion: 77 Resp: 12704

Ion Ratio Lower Upper

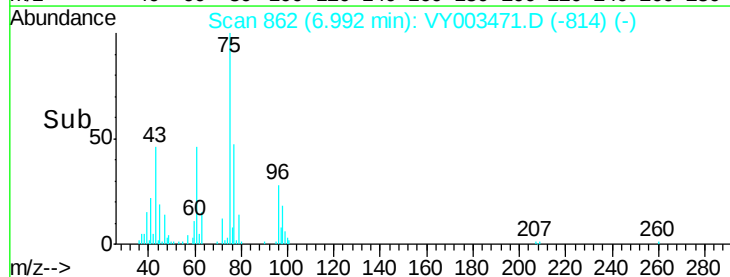
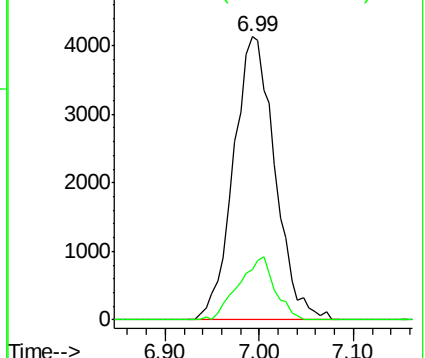
77 100

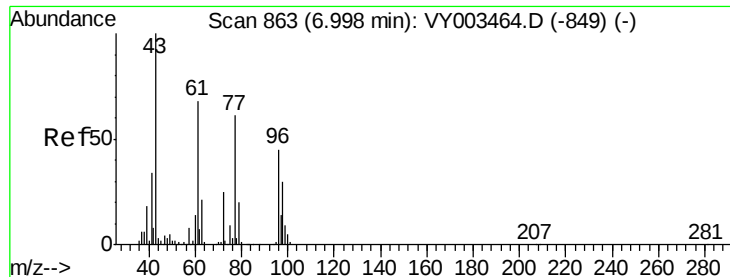
97 19.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



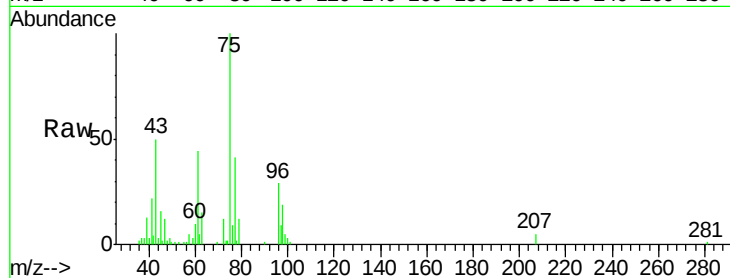


#27

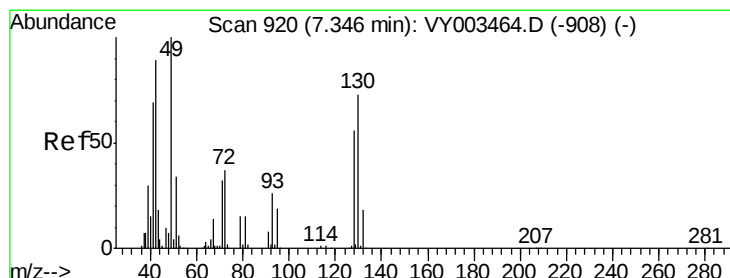
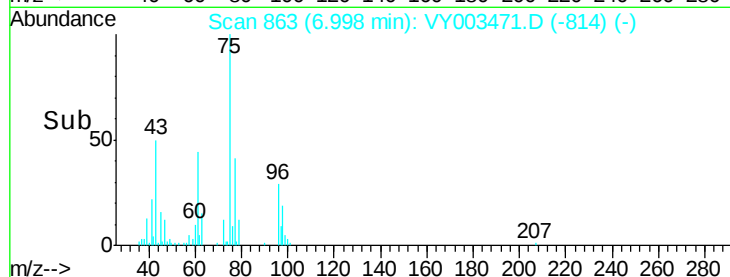
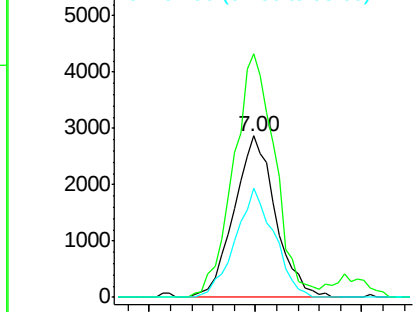
cis-1,2-Dichloroethene
Concen: 2.808 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	299.2
98	63.3	0.0	128.6



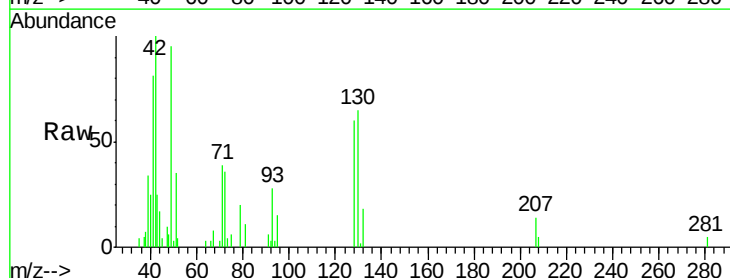
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



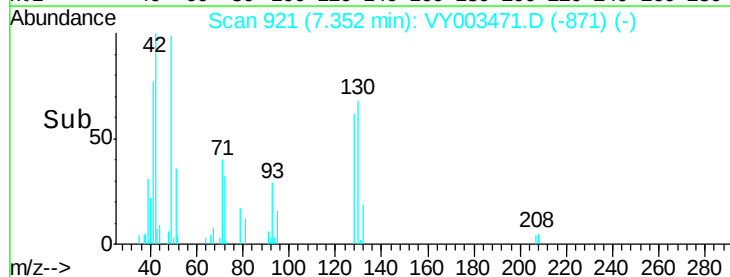
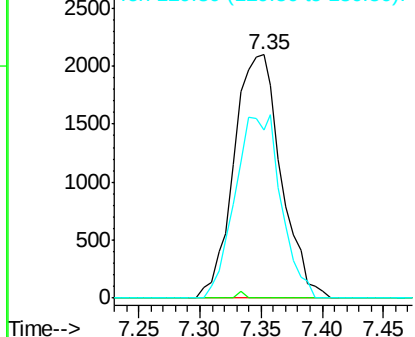
#28

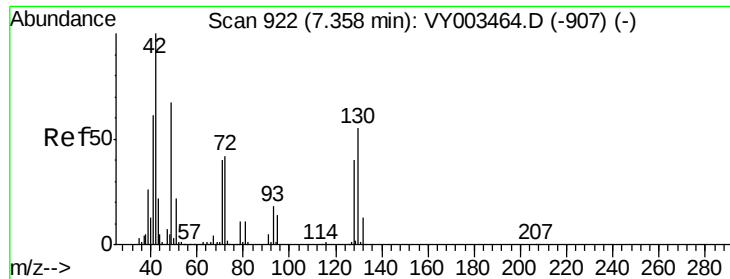
Bromochloromethane
Concen: 2.468 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	73.0	60.0	90.0



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

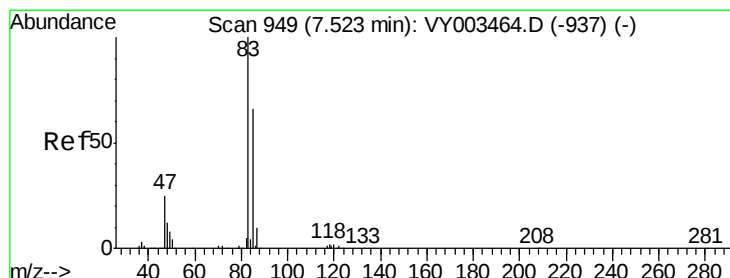
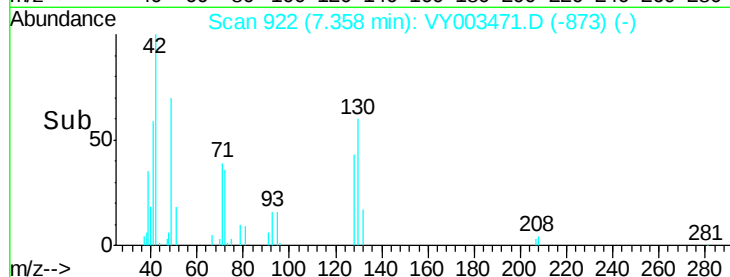
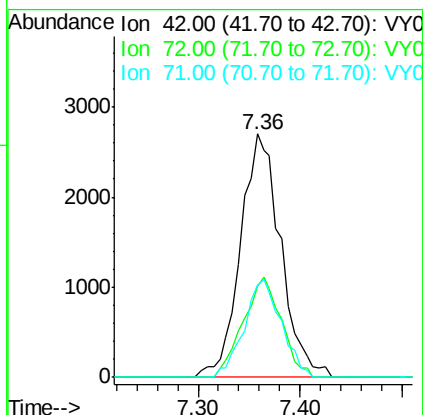
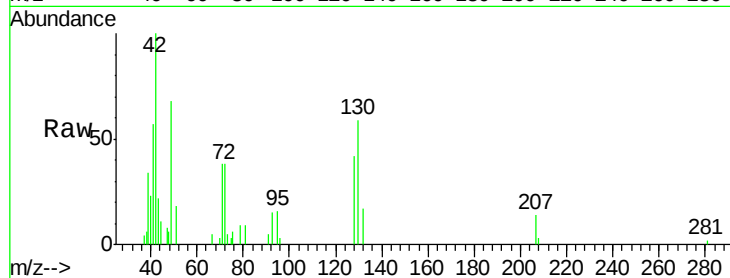




#29
Tetrahydrofuran
Concen: 12.326 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

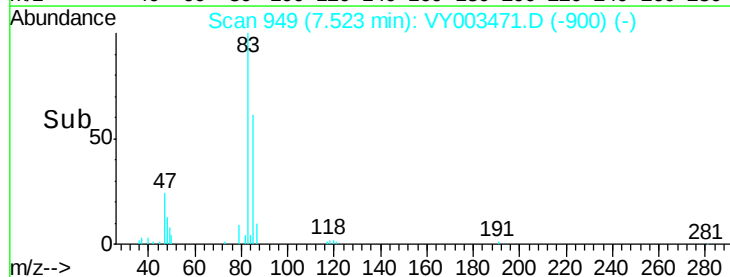
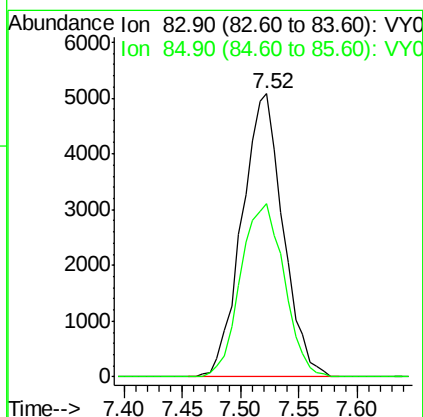
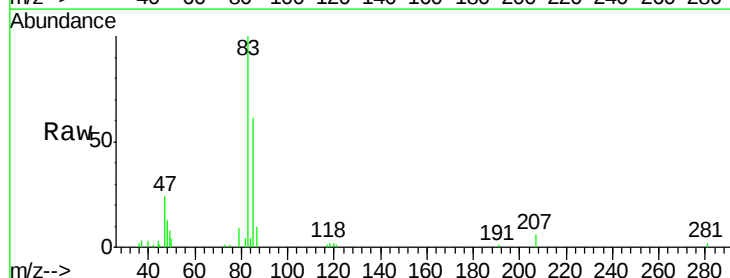
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

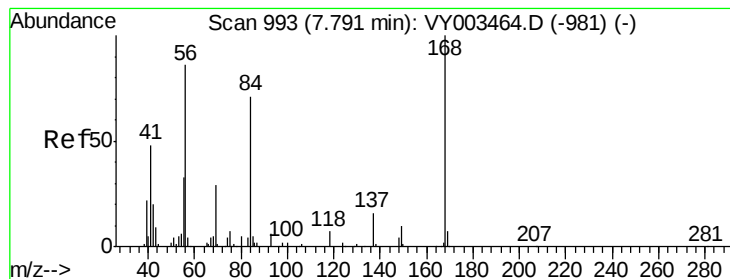
Tot Ion: 42 Resp: 7406
Ion Ratio Lower Upper
42 100
72 39.2 32.8 49.2
71 37.1 30.7 46.1



#30
Chloroform
Concen: 2.812 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 83 Resp: 12460
Ion Ratio Lower Upper
83 100
85 61.3 52.6 79.0





#31

Cyclohexane

Concen: 3.734 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

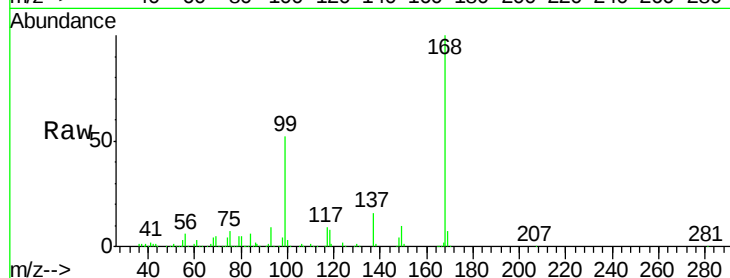
Tot Ion: 56 Resp: 15597

Ion Ratio Lower Upper

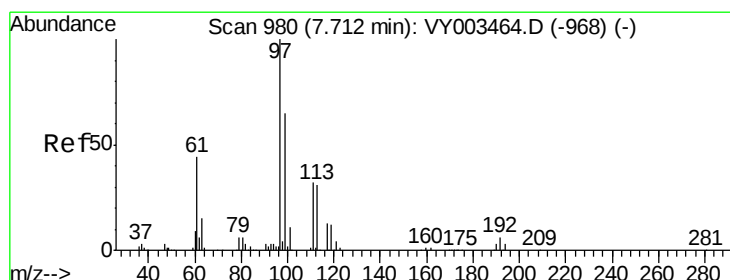
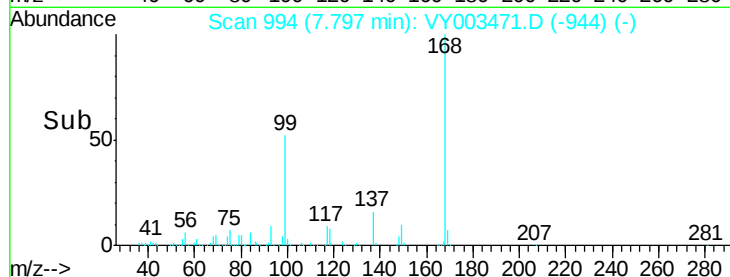
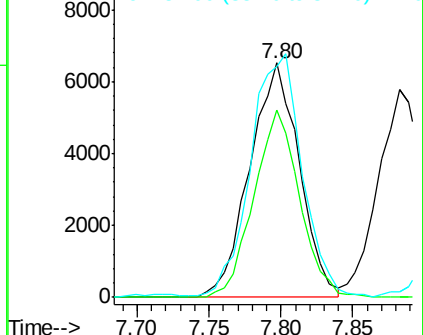
56 100

69 79.9 26.6 39.8#

84 97.4 65.9 98.9



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



#32

1,1,1-Trichloroethane

Concen: 2.654 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

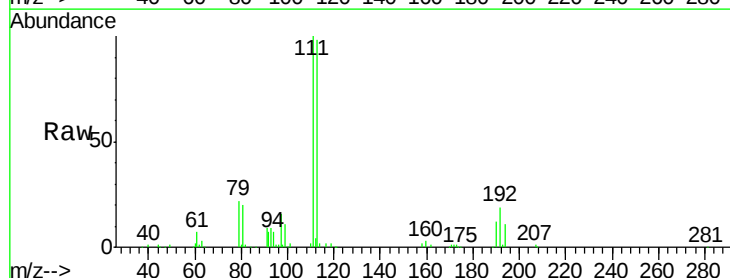
Tgt Ion: 97 Resp: 10970

Ion Ratio Lower Upper

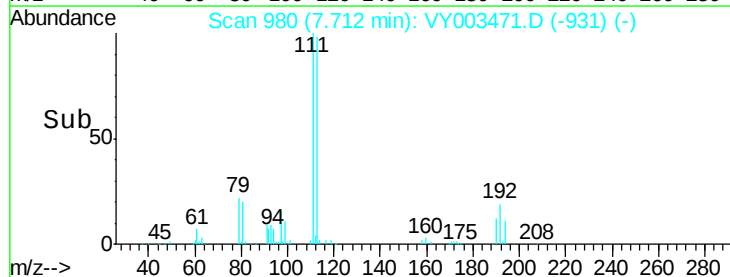
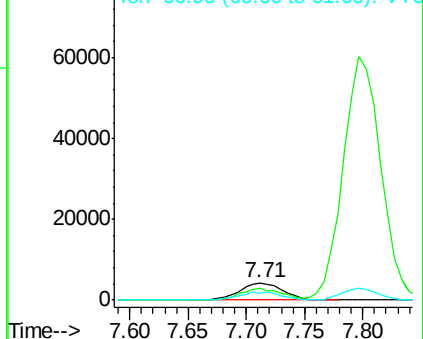
97 100

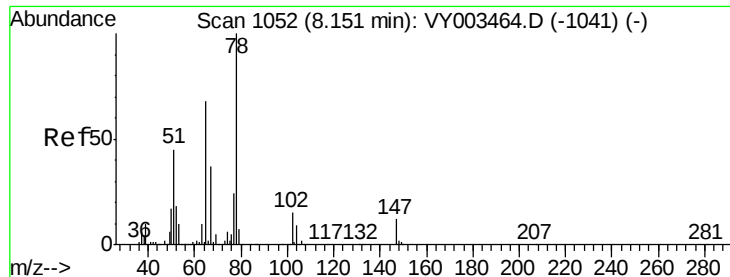
99 64.4 51.6 77.4

61 46.5 35.1 52.7



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

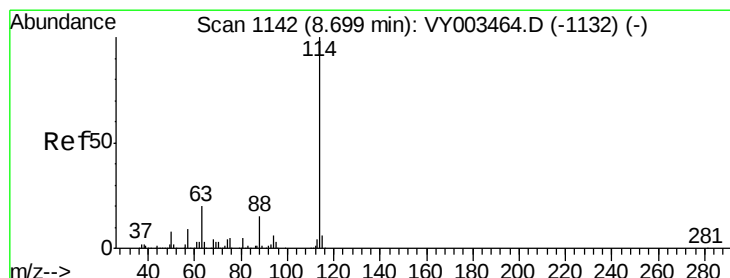
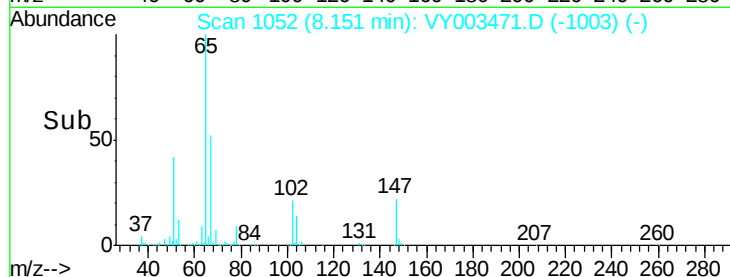
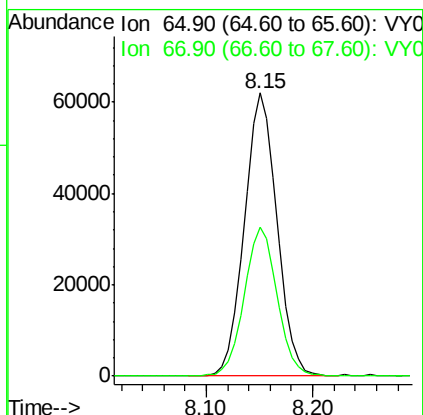
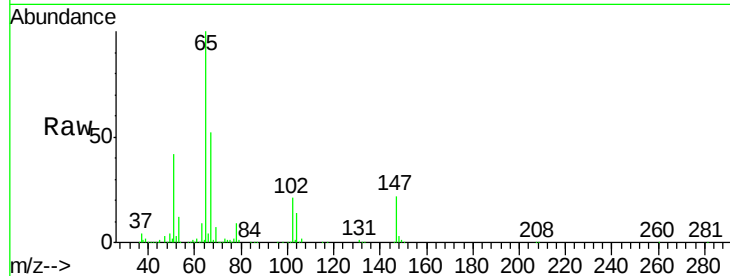




#33
 1,2-Dichloroethane-d4
 Concen: 47.883 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

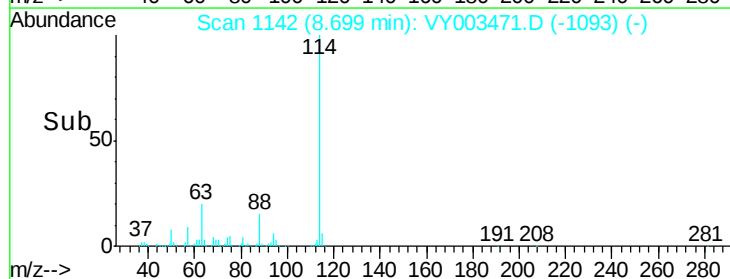
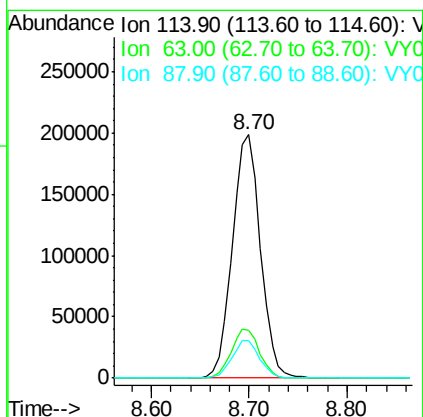
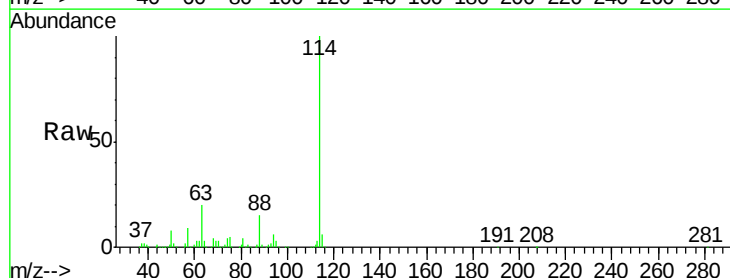
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

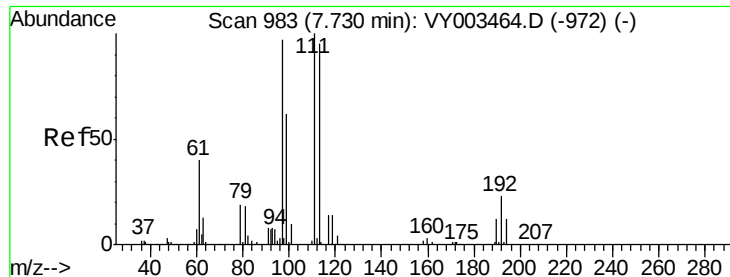
Tot Ion: 65 Resp: 133444
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 114 Resp: 394782
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 15.5 0.0 29.4

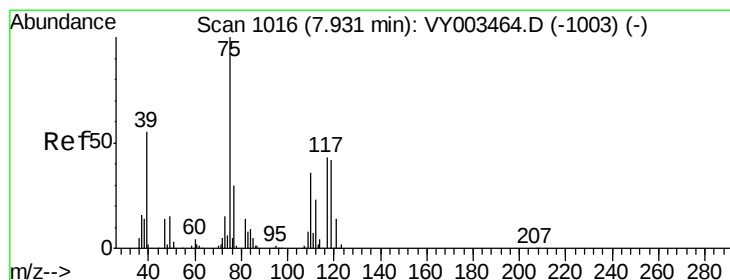
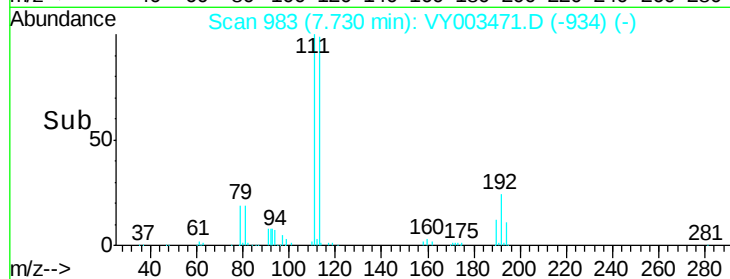
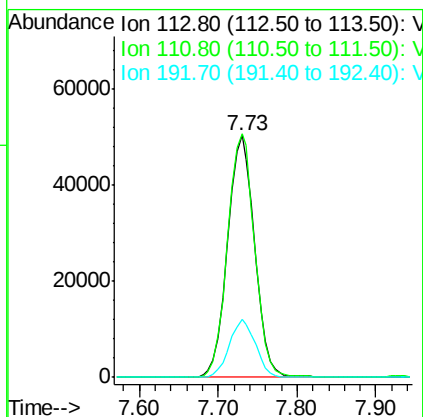
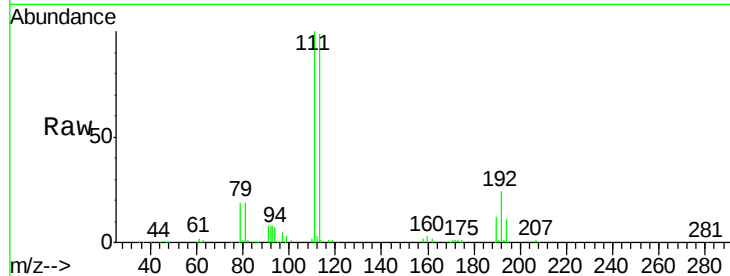




#35
 Dibromofluoromethane
 Concen: 49.939 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

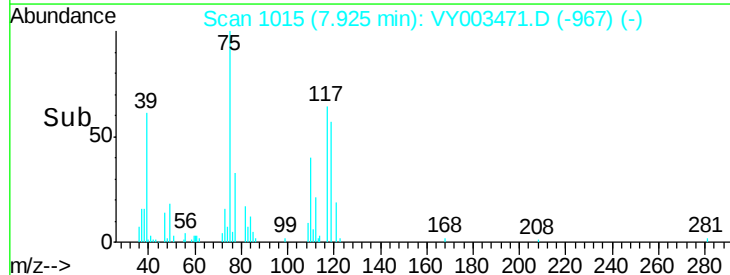
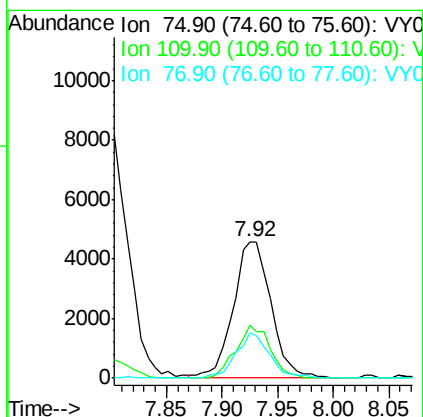
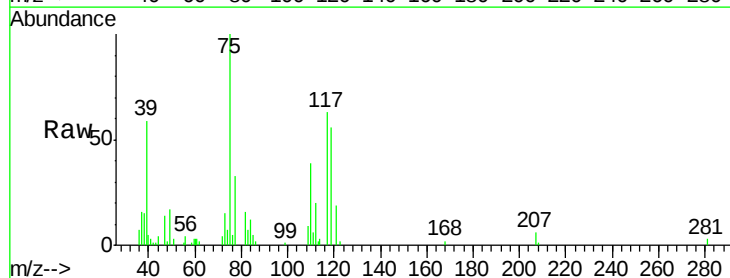
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

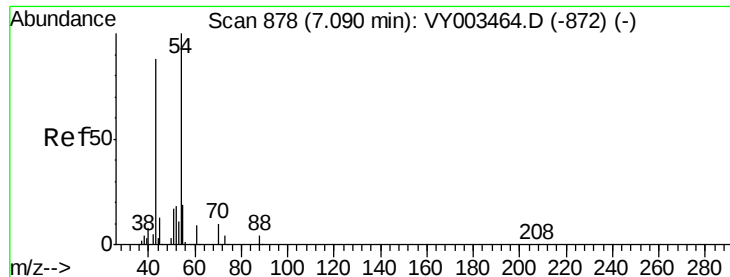
Tot Ion:113 Resp: 119971
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.8 122.6
 192 23.1 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 2.900 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 75 Resp: 10796
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.6 52.9
 77 29.7 24.7 37.1

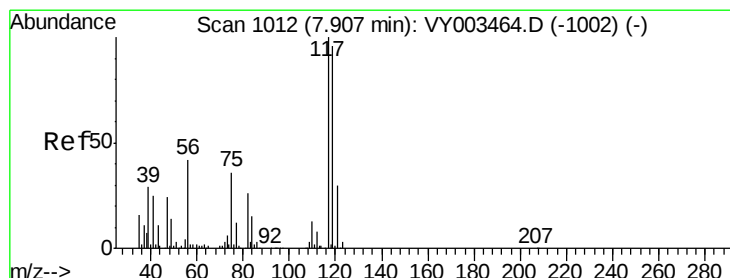
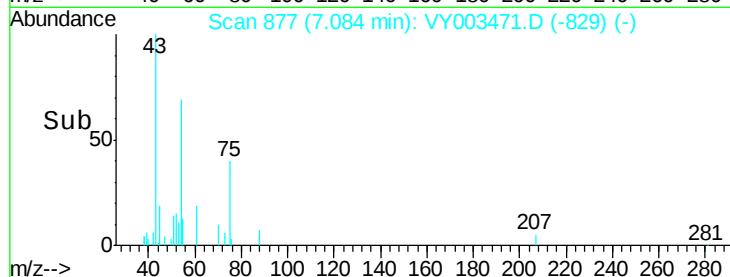
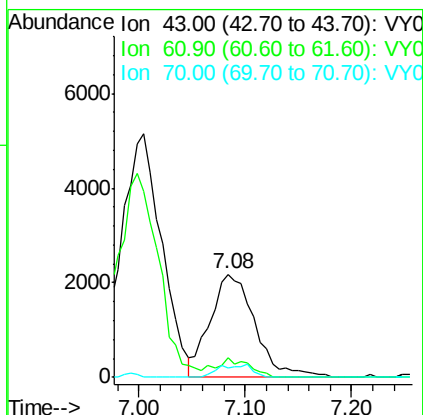
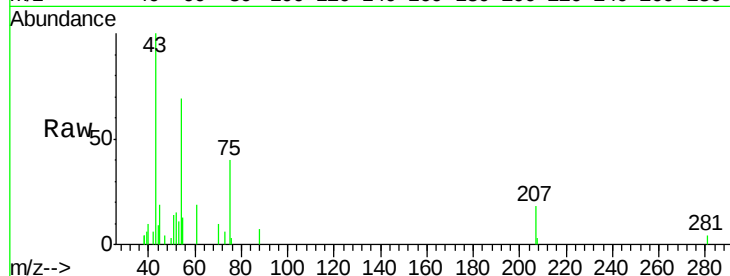




#37
Ethyl Acetate
Concen: 2.767 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

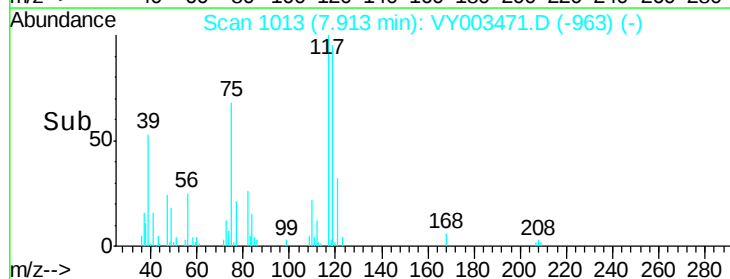
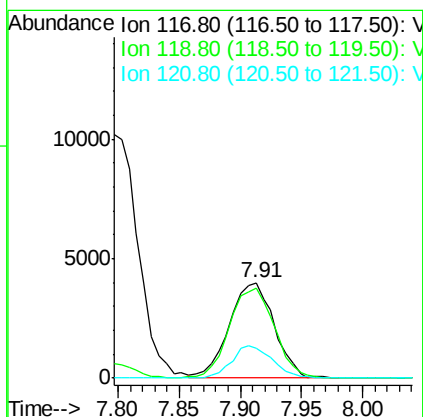
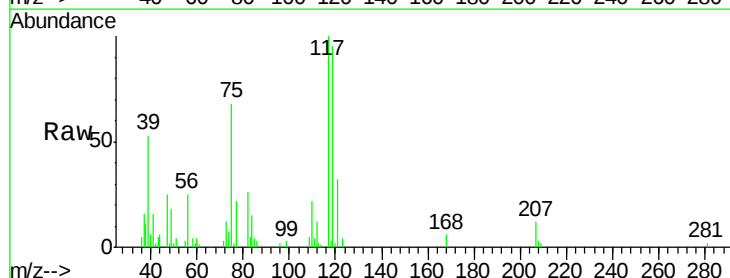
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

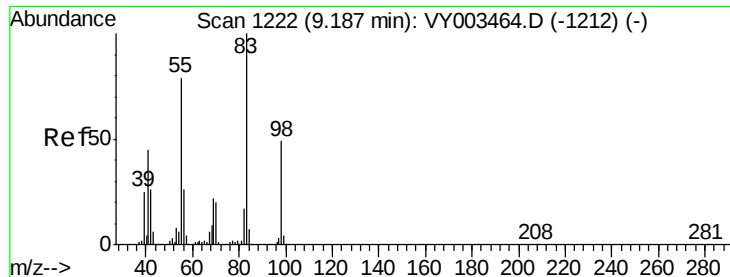
Tot Ion: 43 Resp: 6395
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 9.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 2.628 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 117 Resp: 10146
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4
121 31.9 24.2 36.4

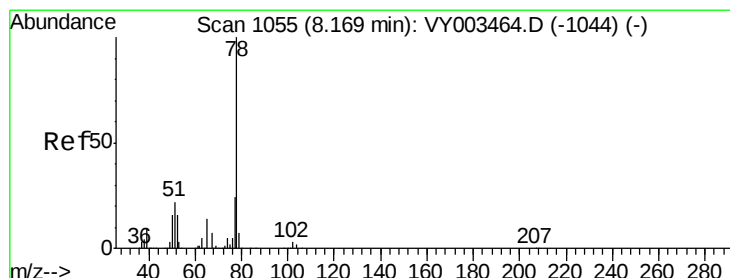
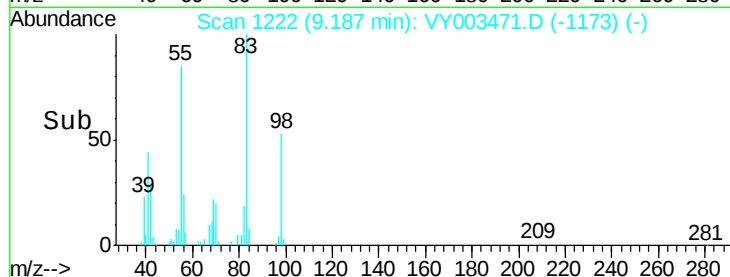
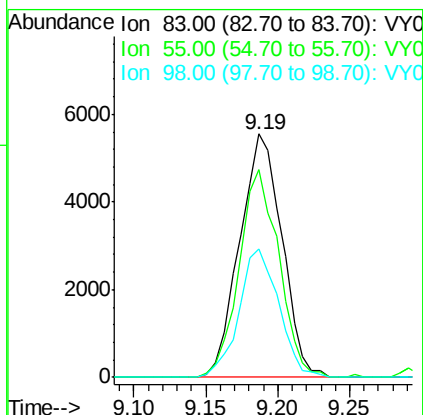
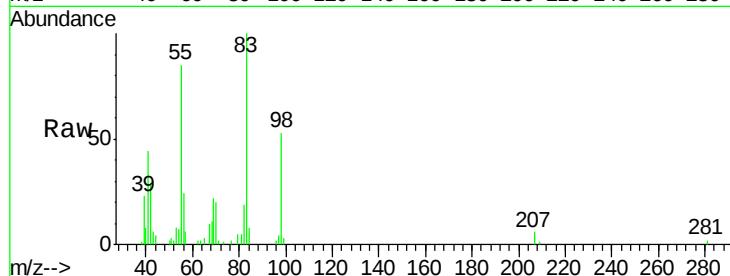




#39
Methvlcvclohexane
Concen: 2.728 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

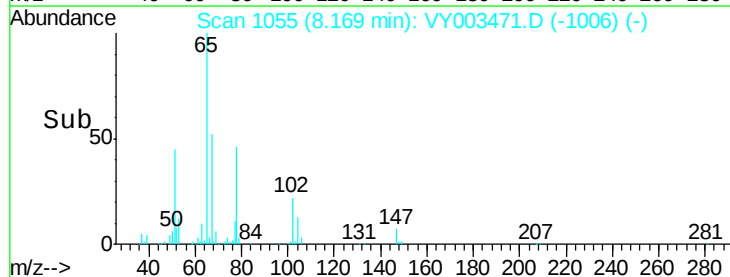
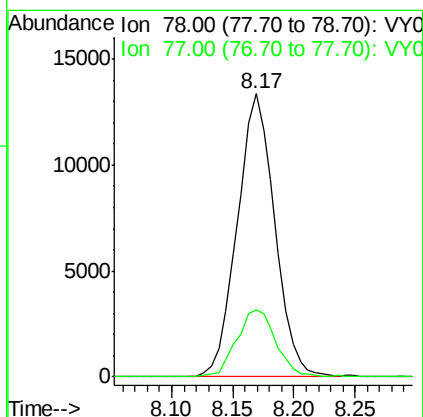
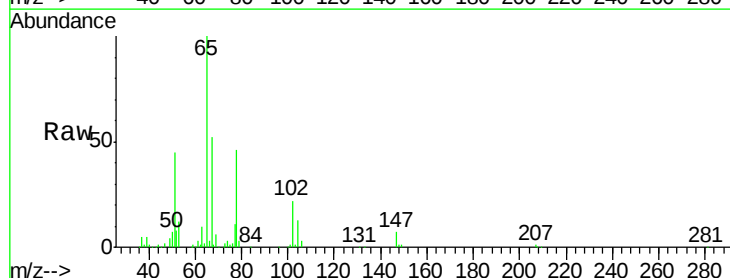
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

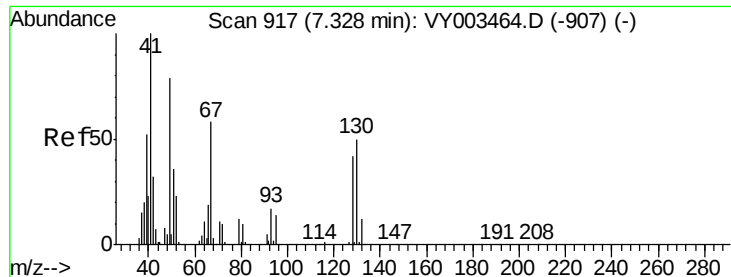
Tot Ion: 83 Resp: 11305
Ion Ratio Lower Upper
83 100
55 85.4 63.5 95.3
98 52.9 39.4 59.2



#40
Benzene
Concen: 2.744 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 78 Resp: 28423
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

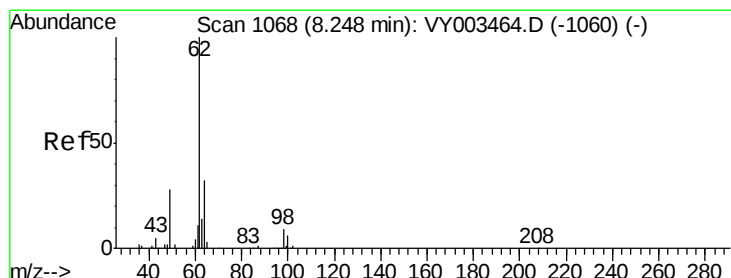
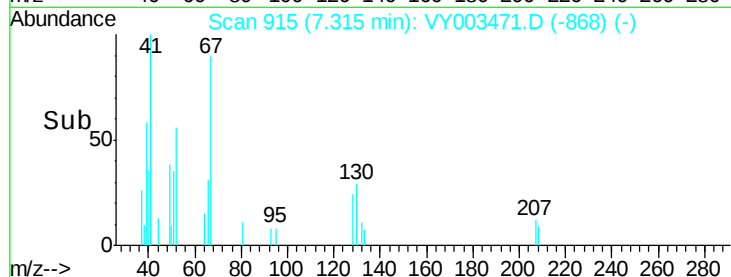
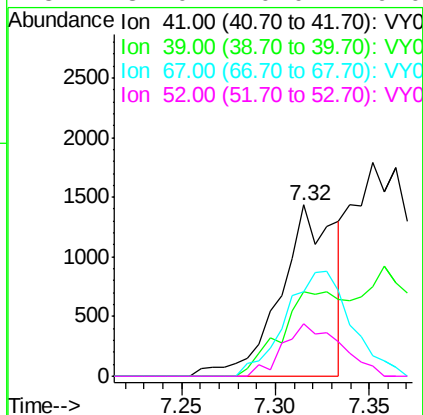
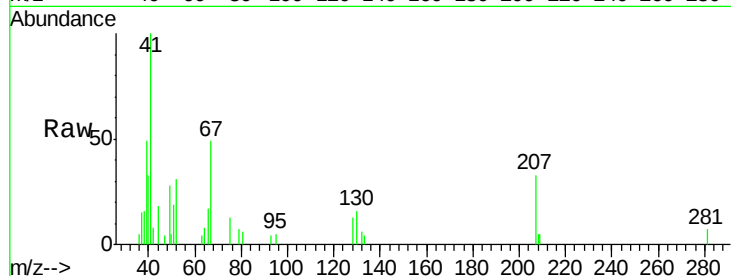




#41
Methacrylonitrile
Concen: 2.387 ug/l m
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

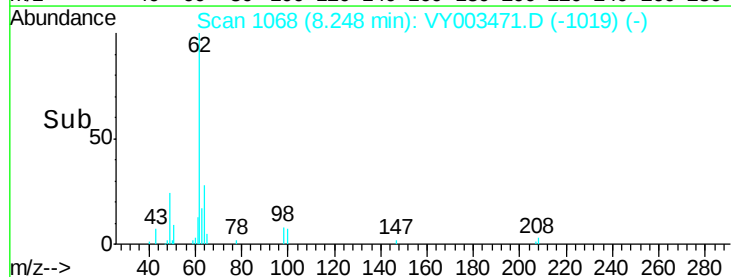
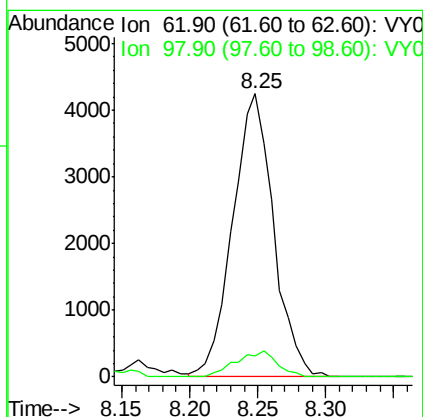
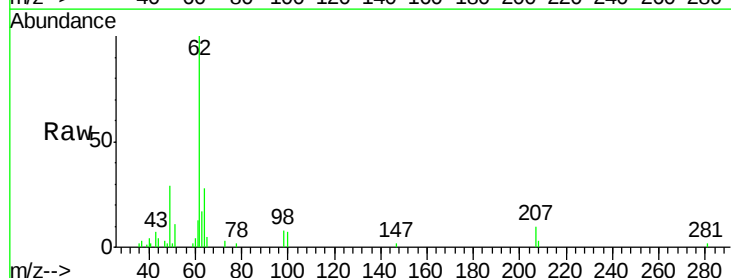
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

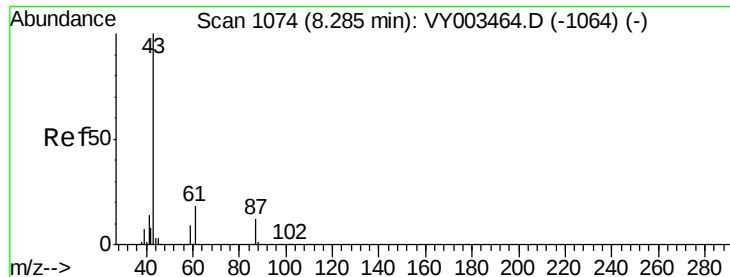
Tot Ion:	41	Resp:	2946
Ion	Ratio	Lower	Upper
41	100		
39	59.4	0.0	0.0#
67	72.8	0.0	0.0#
52	32.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 2.747 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:	62	Resp:	8915
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 2.482 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

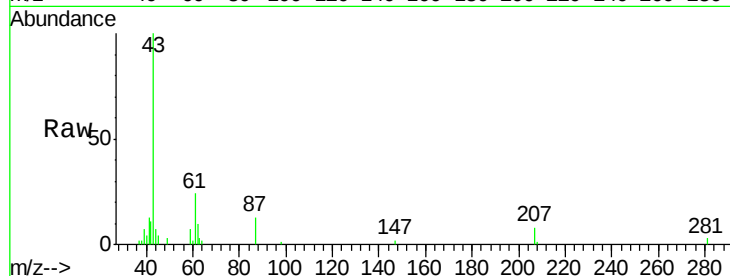
Tot Ion: 43 Resp: 10311

Ion Ratio Lower Upper

43 100

61 30.3 21.9 32.9

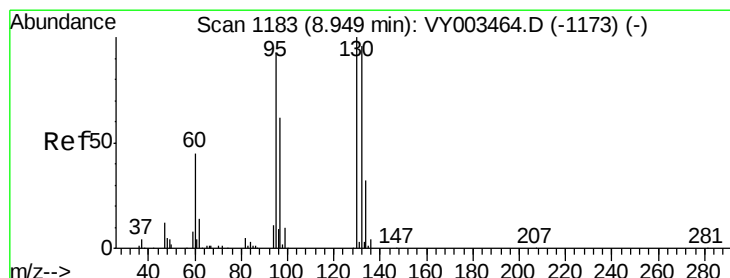
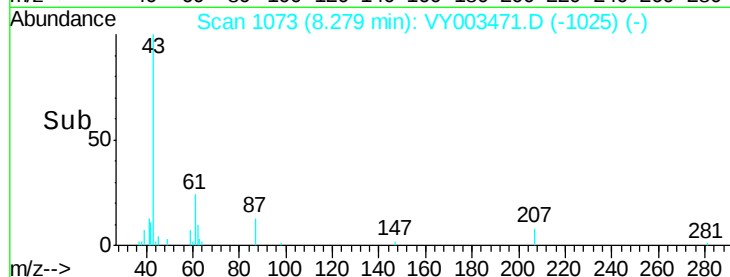
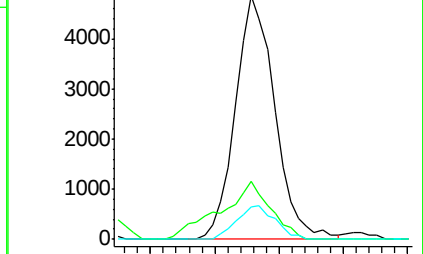
87 13.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VY003471.D (-1073) (-)

Ion 61.00 (60.70 to 61.70): VY003471.D (-1073) (-)

Ion 87.00 (86.70 to 87.70): VY003471.D (-1073) (-)



#44

Trichloroethene

Concen: 2.765 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VY003471.D

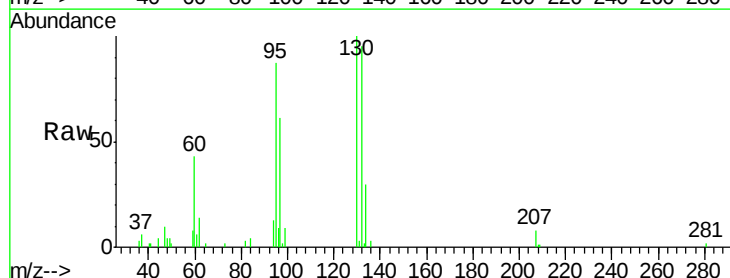
Acq: 02 Nov 2020 14:42

Tgt Ion:130 Resp: 8041

Ion Ratio Lower Upper

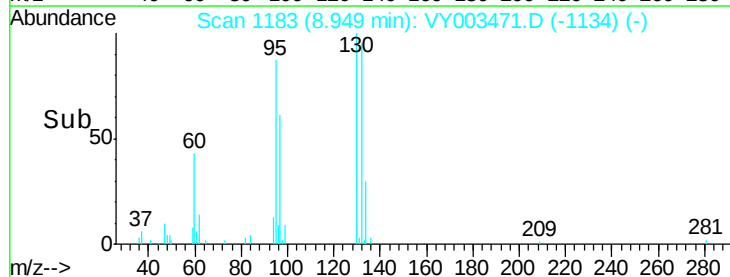
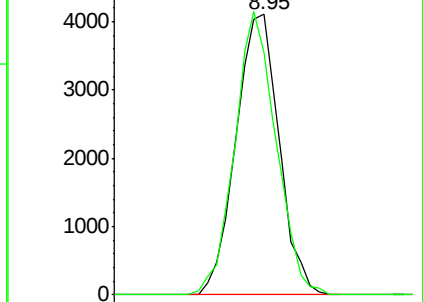
130 100

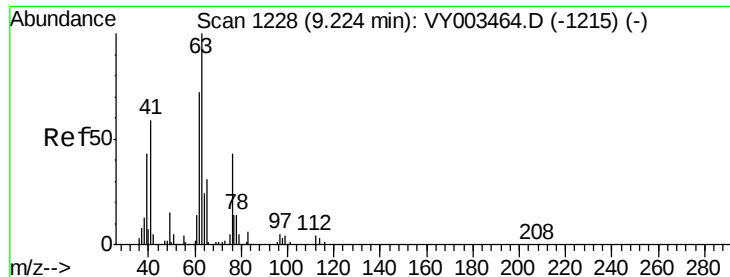
95 86.7 0.0 186.6



Abundance Ion 129.80 (129.50 to 130.50): VY003471.D (-1183) (-)

Ion 94.90 (94.60 to 95.60): VY003471.D (-1183) (-)





#45

1,2-Dichloropropane

Concen: 2.686 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

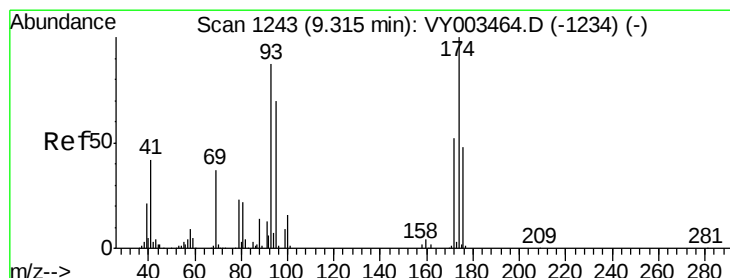
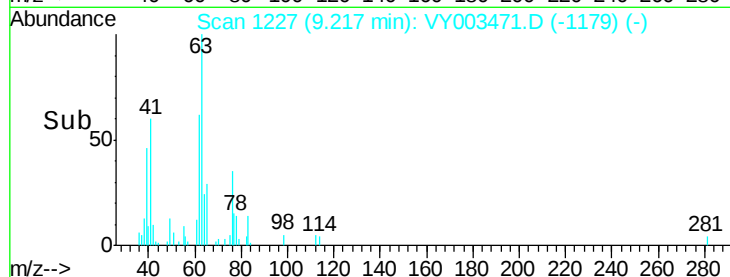
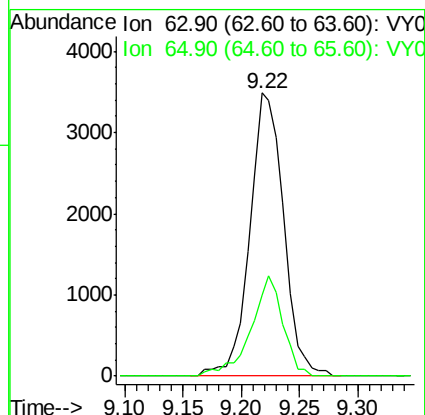
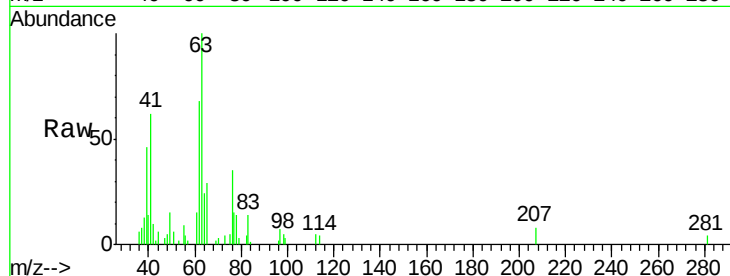
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 63 Resp: 7027

Ion Ratio Lower Upper

63 100

65 28.8 24.6 36.8



#46

Dibromomethane

Concen: 2.768 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

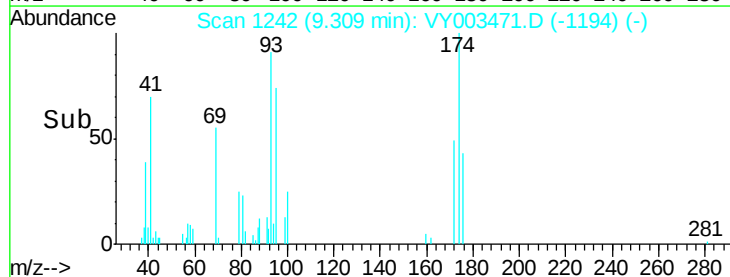
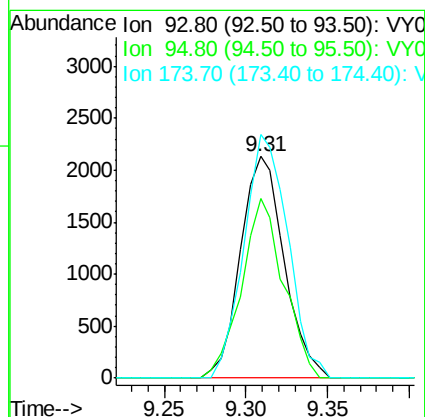
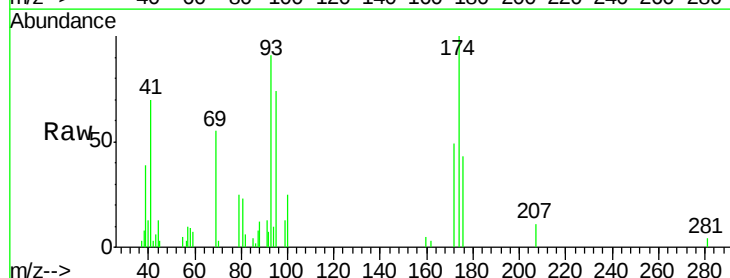
Tgt Ion: 93 Resp: 3983

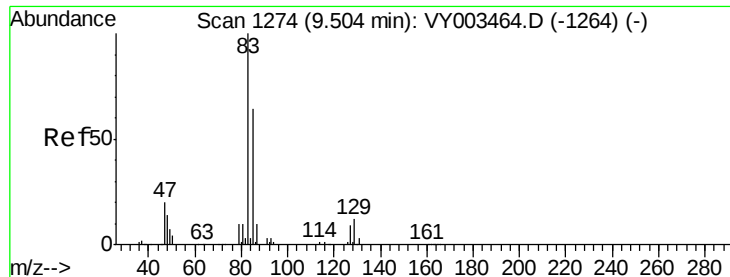
Ion Ratio Lower Upper

93 100

95 77.9 65.0 97.6

174 110.4 91.8 137.6





#47

Bromodichloromethane

Concen: 2.736 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

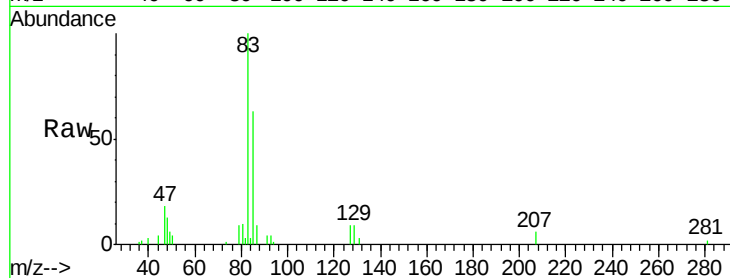
Tot Ion: 83 Resp: 9638

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.6

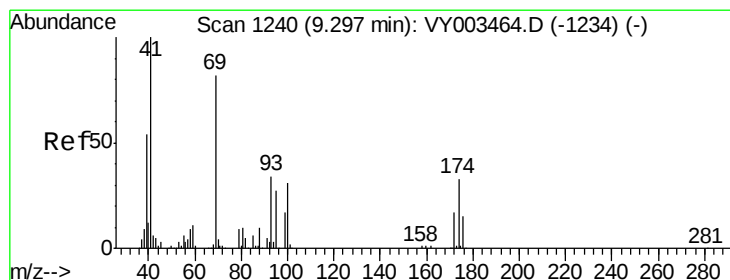
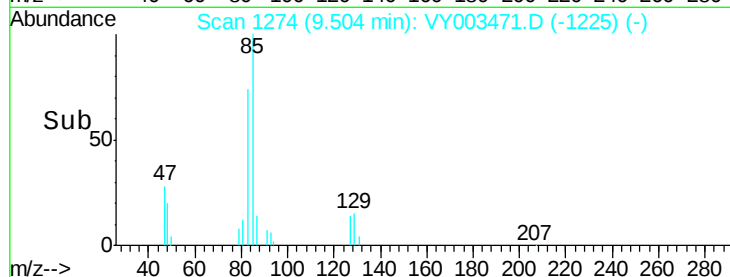
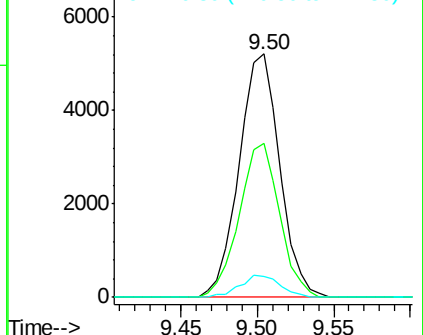
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 2.325 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

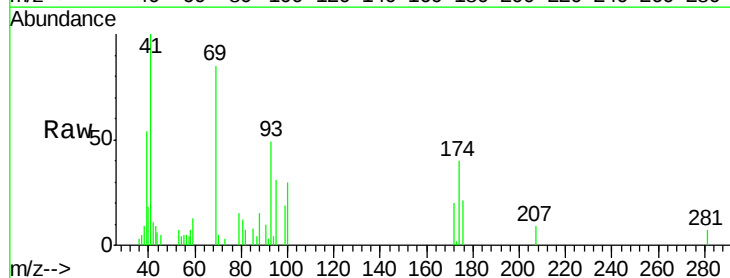
Tgt Ion: 41 Resp: 4549

Ion Ratio Lower Upper

41 100

69 84.2 65.9 98.9

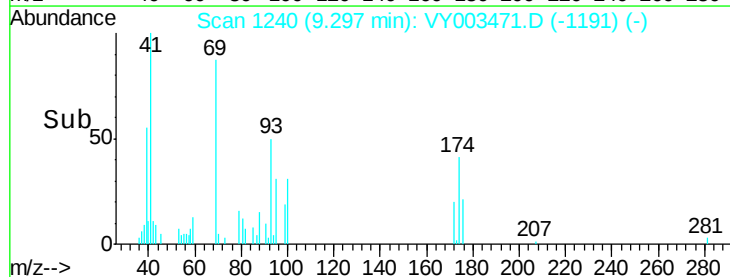
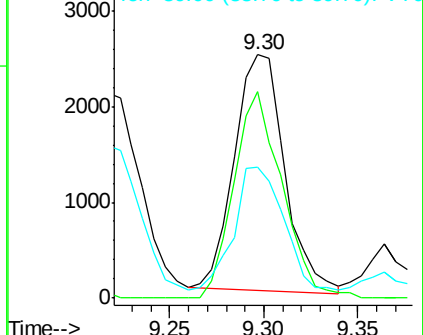
39 59.6 43.2 64.8

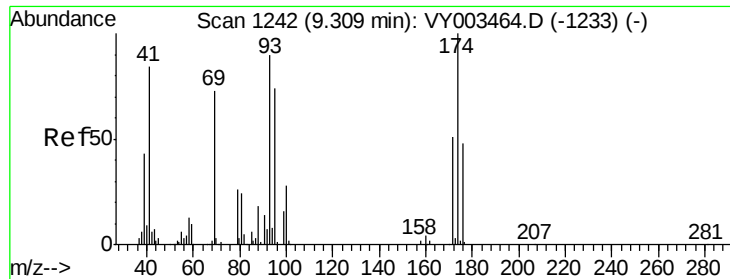


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

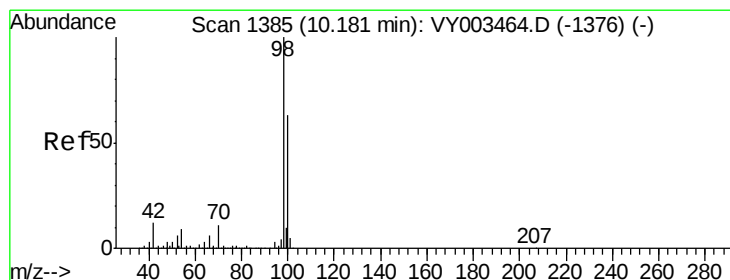
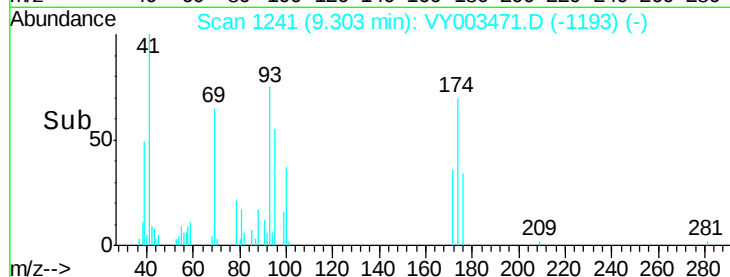
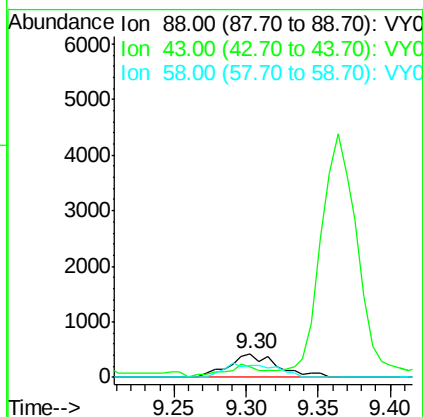
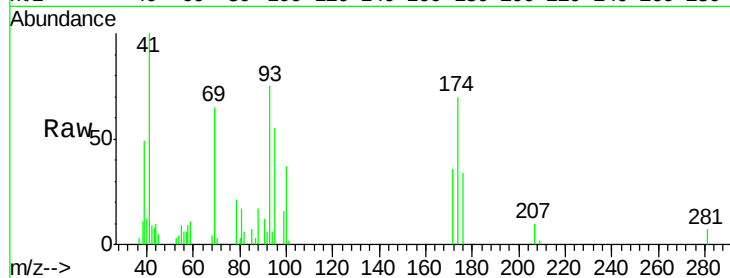




#49
1,4-Dioxane
Concen: 55.299 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

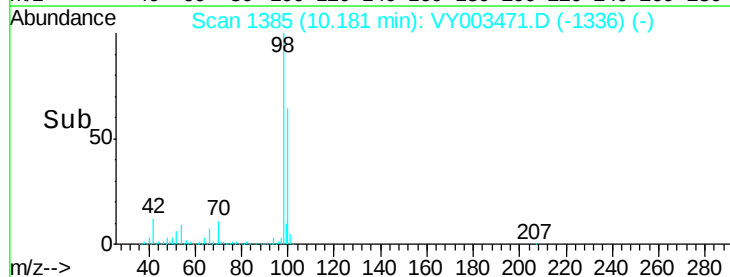
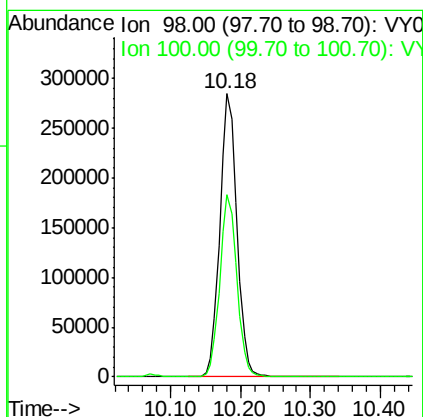
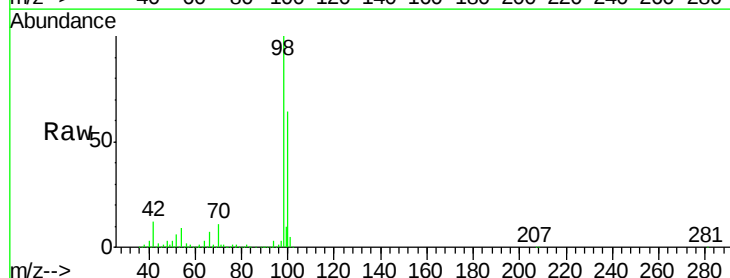
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

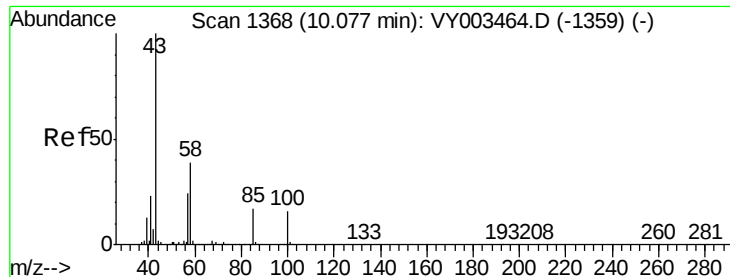
Tot Ion: 88 Resp: 993
Ion Ratio Lower Upper
88 100
43 45.8 27.6 41.4#
58 60.6 54.2 81.2



#50
Toluene-d8
Concen: 48.498 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 98 Resp: 484687
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 11.822 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

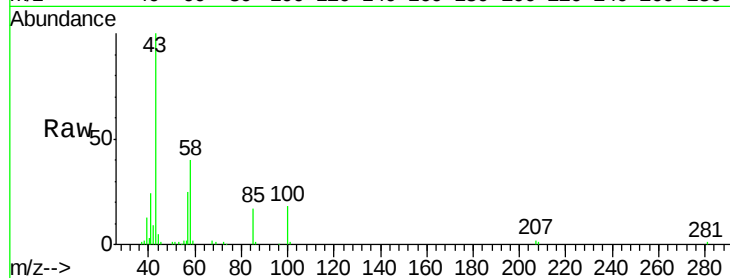
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 26163

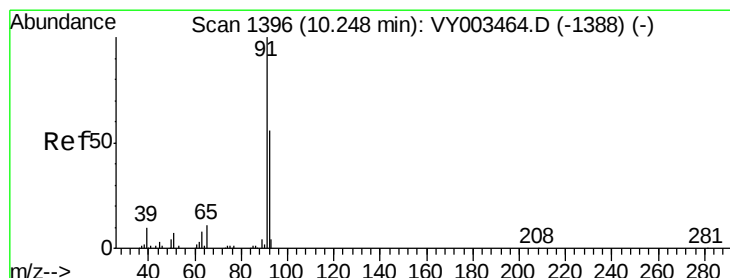
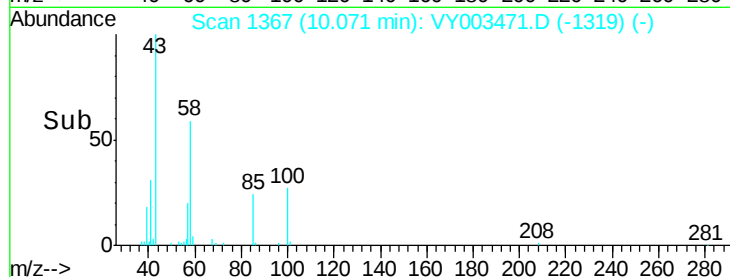
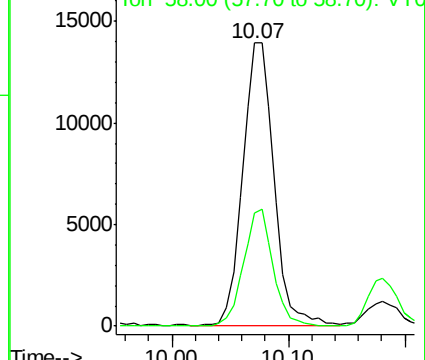
Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-1359) (-)



#52

Toluene

Concen: 2.644 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY003471.D

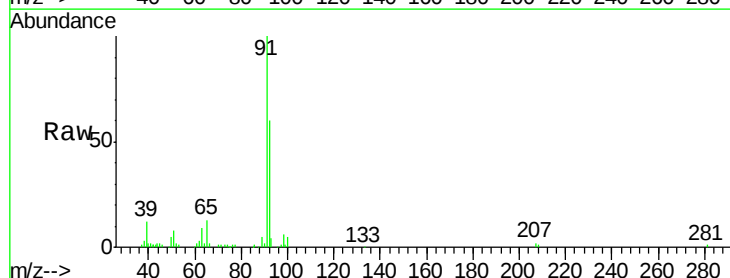
Acq: 02 Nov 2020 14:42

Tgt Ion: 92 Resp: 17127

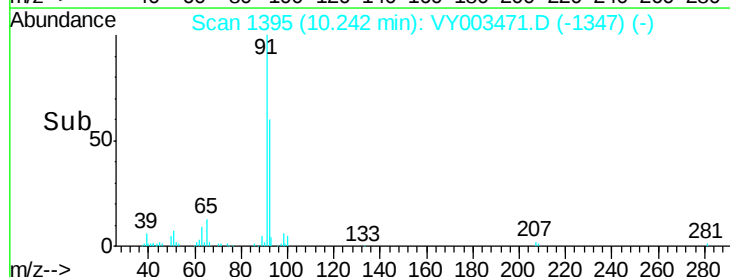
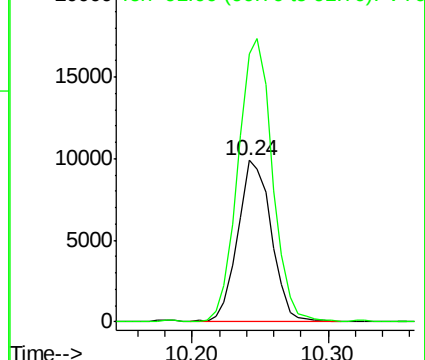
Ion Ratio Lower Upper

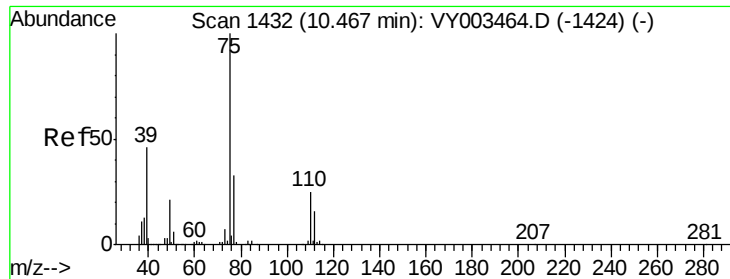
92 100

91 178.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VY003464.D (-1388) (-)





#53

t-1,3-Dichloropropene

Concen: 2.618 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

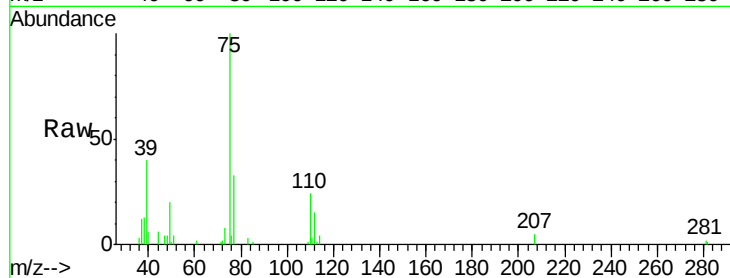
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 75 Resp: 9814

Ion Ratio Lower Upper

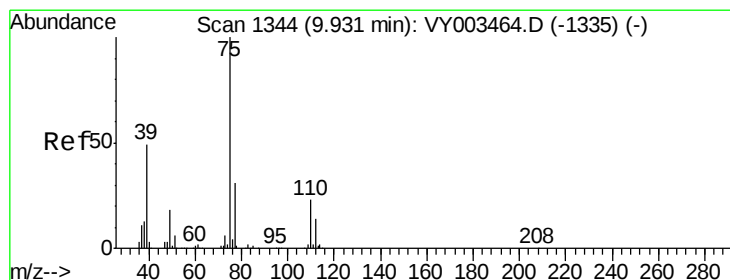
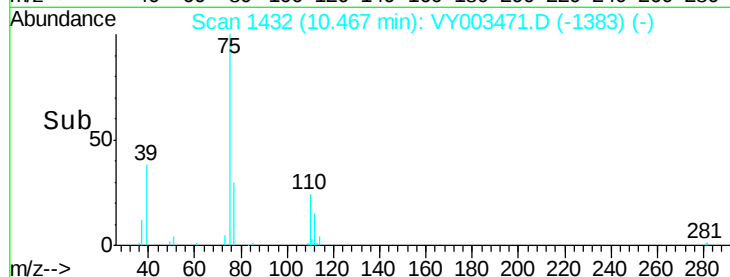
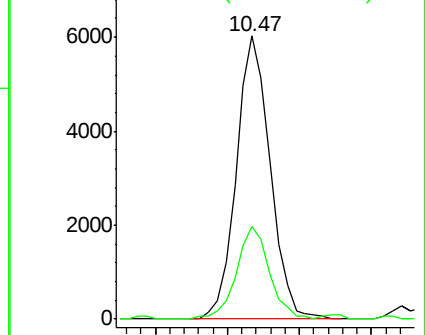
75 100

77 32.6 26.2 39.4



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: 2.527 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

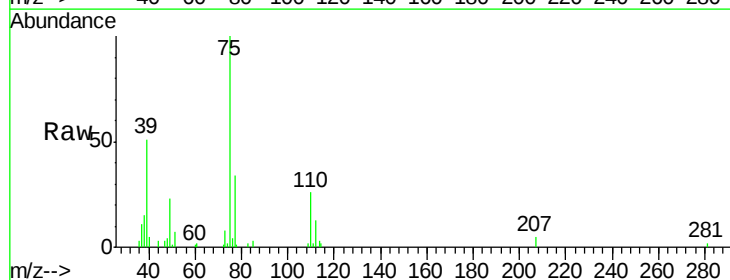
Tgt Ion: 75 Resp: 10658

Ion Ratio Lower Upper

75 100

77 33.7 24.5 36.7

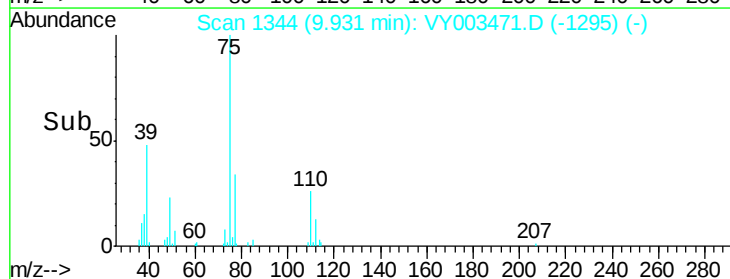
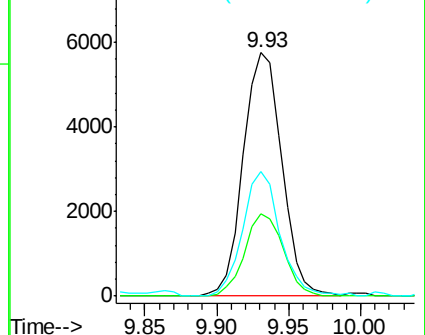
39 51.2 39.0 58.4

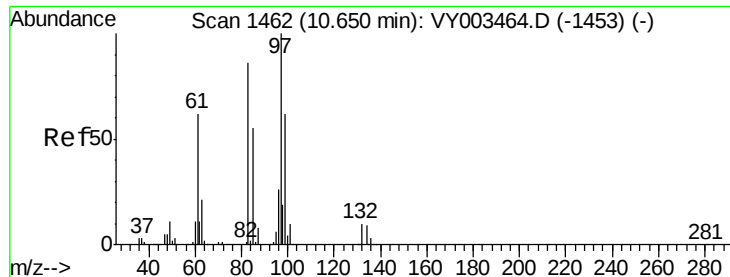


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

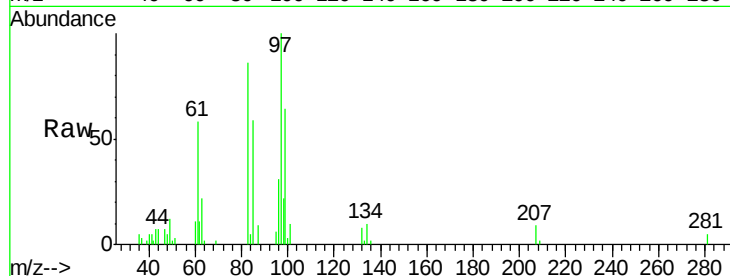




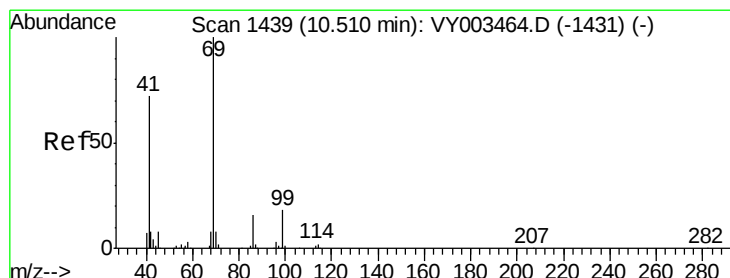
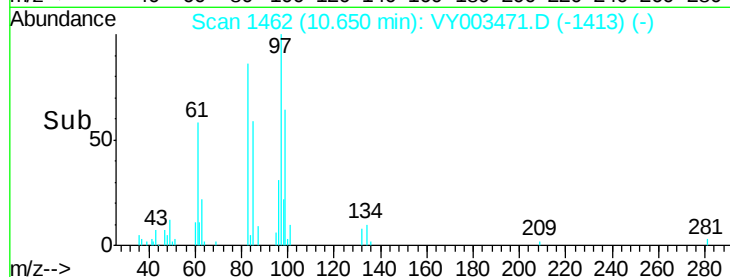
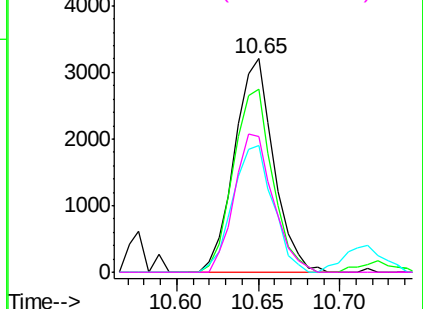
#55
 1,1,2-Trichloroethane
 Concen: 2.620 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 97 Resp: 5353
 Ion Ratio Lower Upper
 97 100
 83 85.9 68.6 102.8
 85 59.1 43.8 65.6
 99 63.7 49.9 74.9

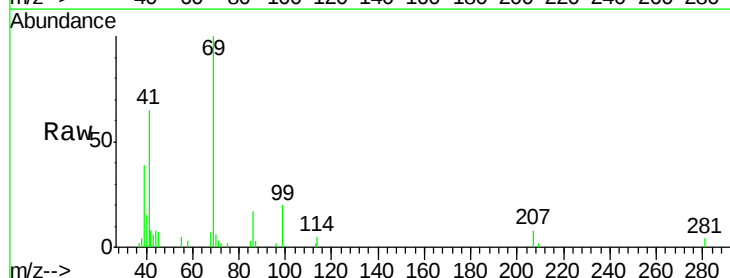


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

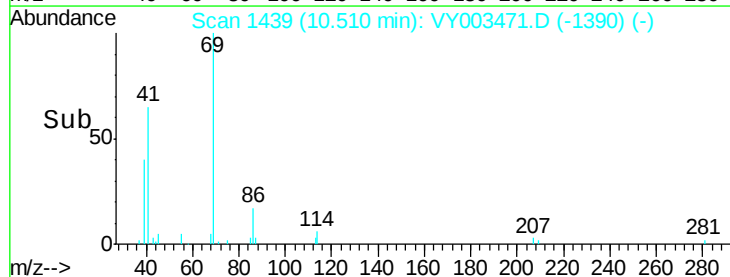
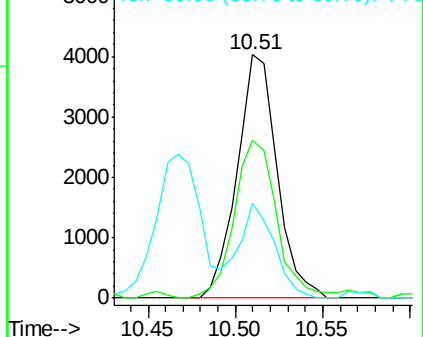


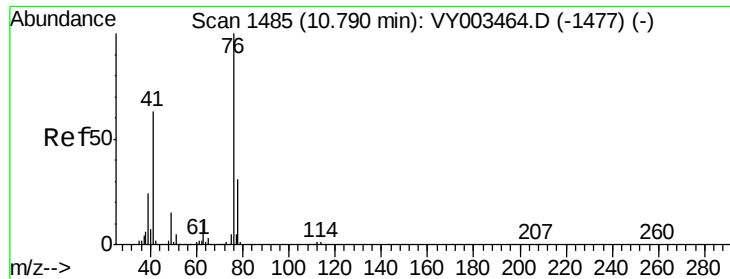
#56
 Ethyl methacrylate
 Concen: 2.343 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 69 Resp: 6410
 Ion Ratio Lower Upper
 69 100
 41 68.7 55.4 83.2
 39 34.6 28.7 43.1



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 2.557 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

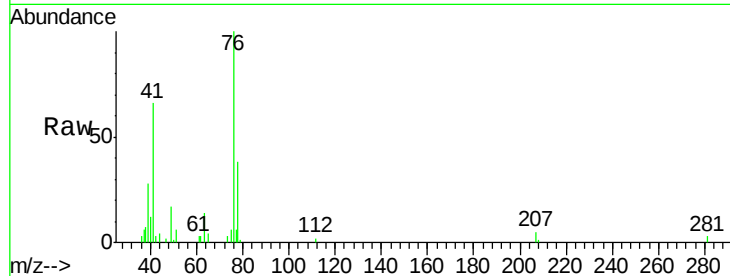
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 9085

Ion Ratio Lower Upper

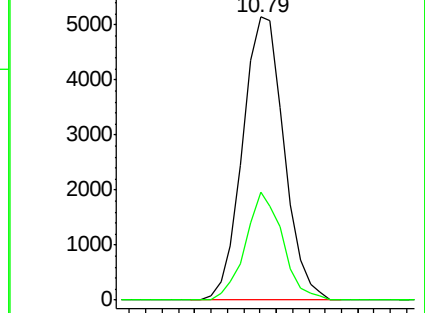
76 100

78 34.4 25.8 38.8

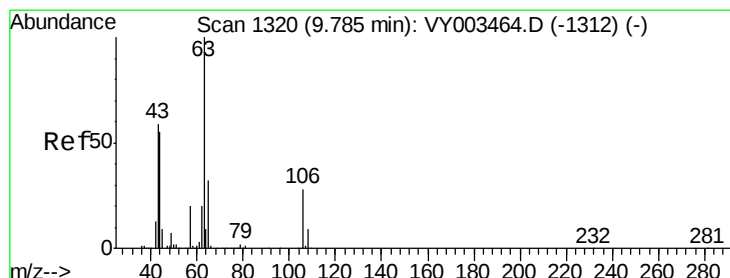
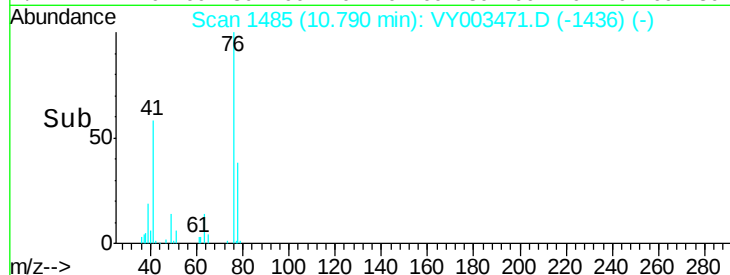


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 10.623 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003471.D

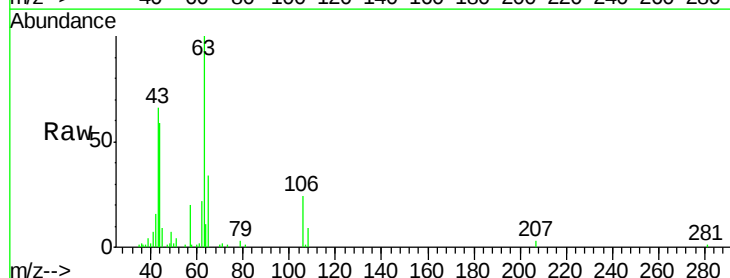
Acq: 02 Nov 2020 14:42

Tgt Ion: 63 Resp: 14736

Ion Ratio Lower Upper

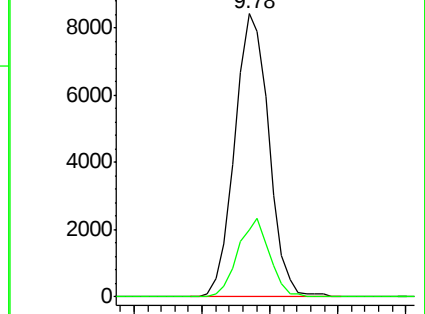
63 100

106 25.6 22.3 33.5

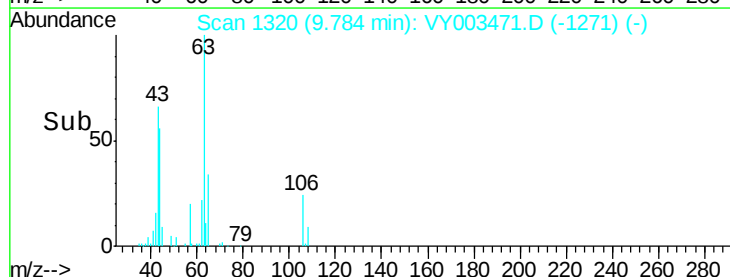


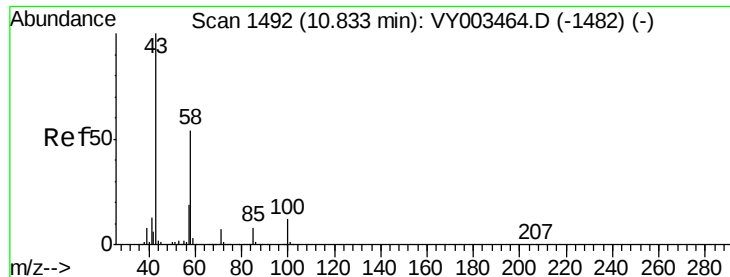
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->

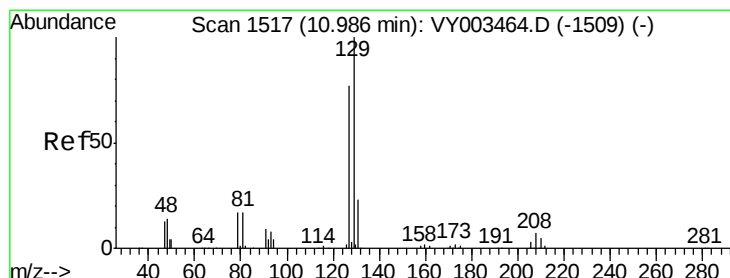
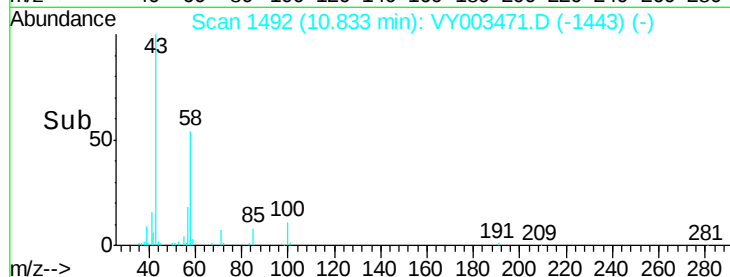
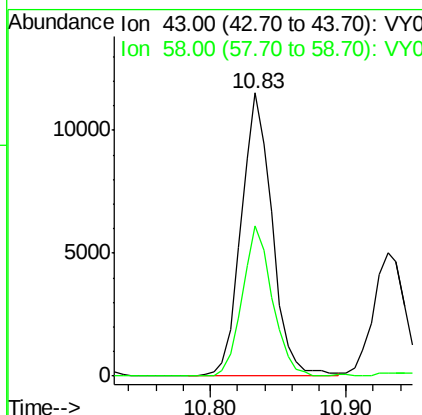
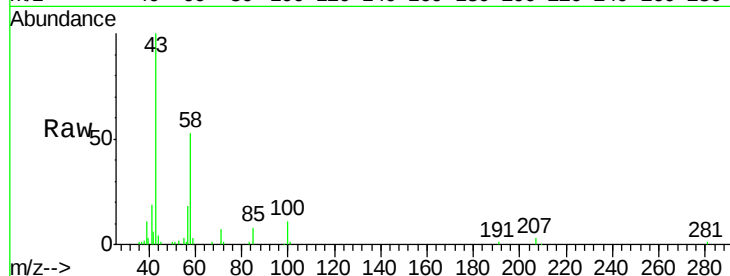




#59
2-Hexanone
Concen: 11.177 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

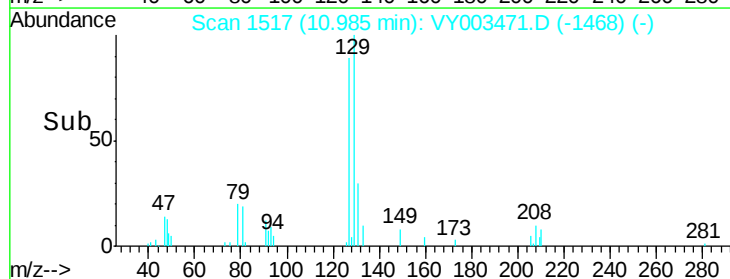
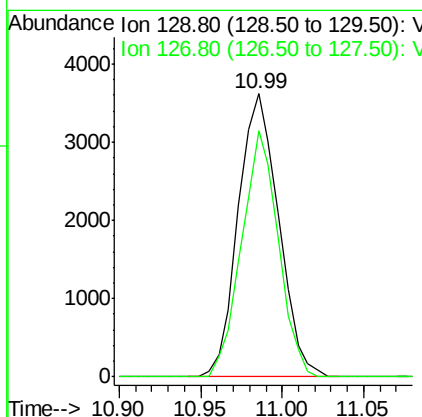
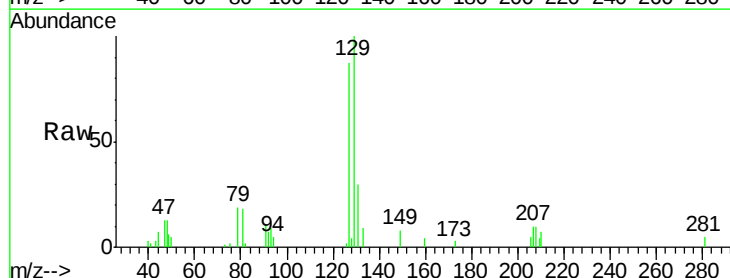
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

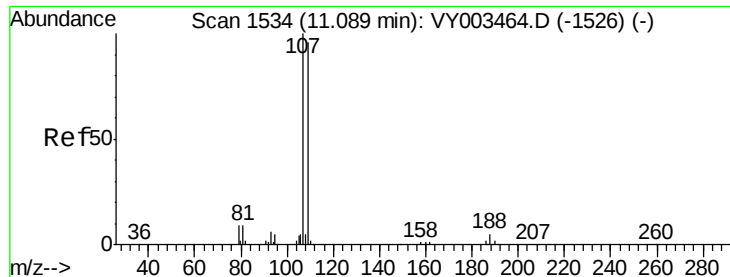
Tot Ion: 43 Resp: 18315
Ion Ratio Lower Upper
43 100
58 51.2 26.8 80.3



#60
Dibromochloromethane
Concen: 2.491 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 129 Resp: 6254
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.3

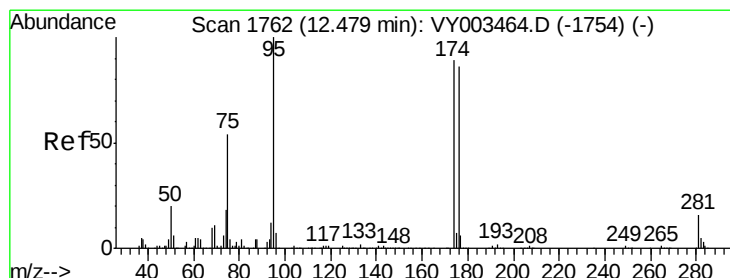
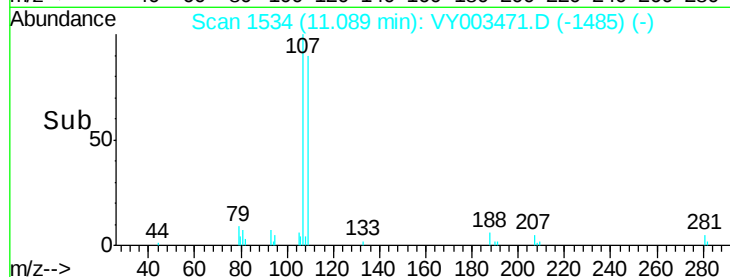
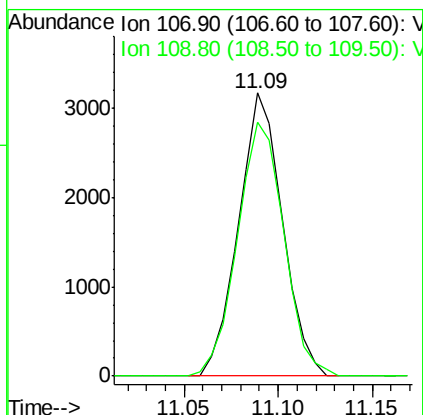
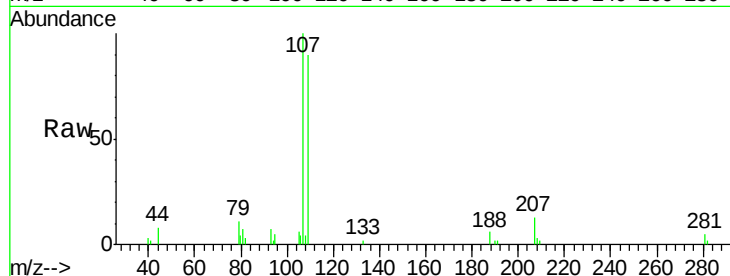




#61
 1,2-Dibromoethane
 Concen: 2.597 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

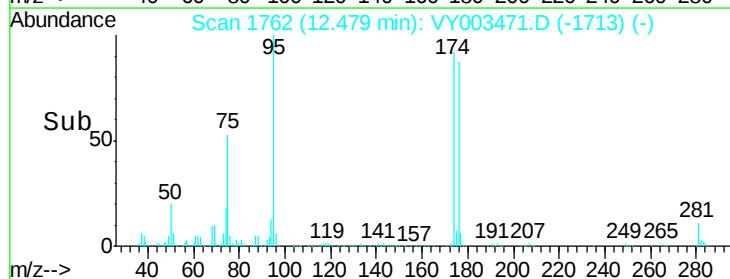
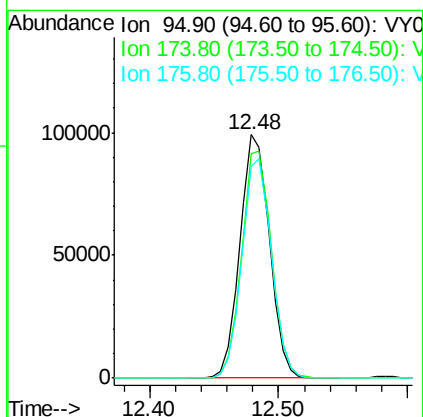
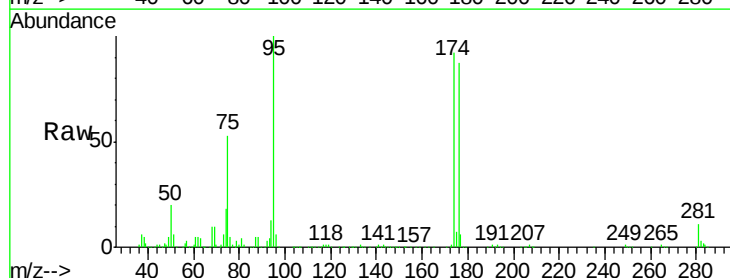
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

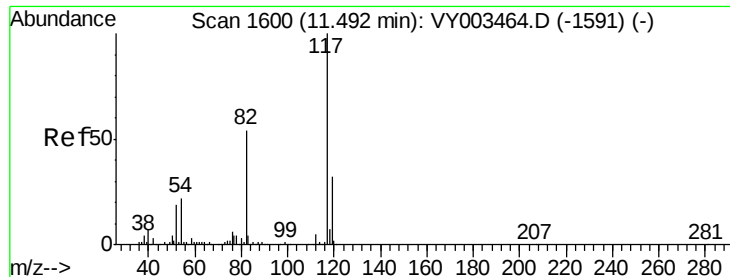
Tot Ion: 107 Resp: 5123
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 47.449 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 95 Resp: 157119
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 193.0
 176 90.0 0.0 187.4

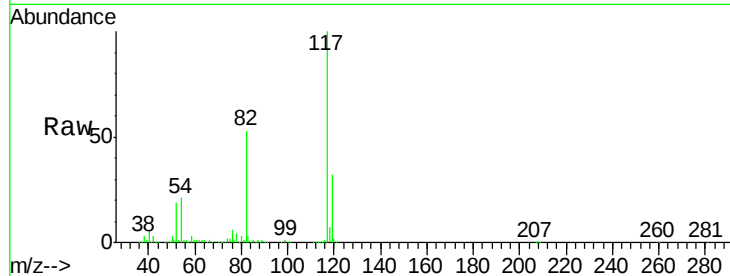




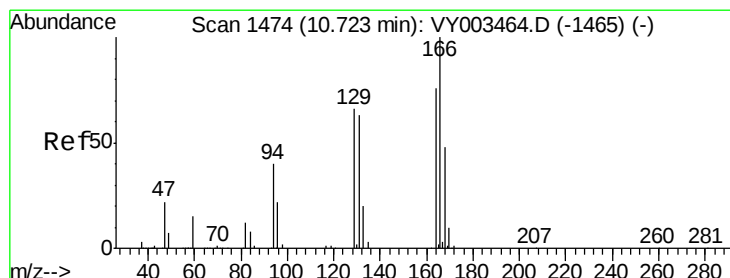
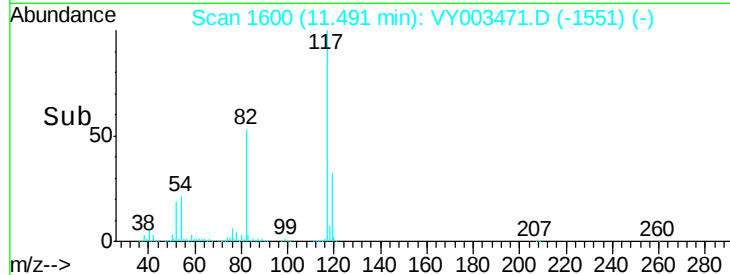
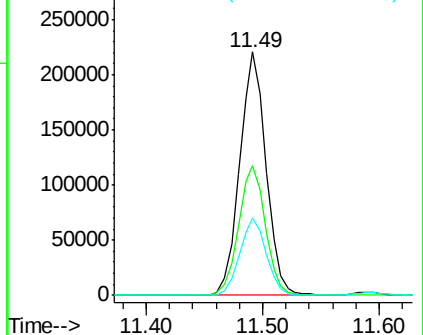
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:117 Resp: 346963
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.2
119 31.8 25.8 38.6

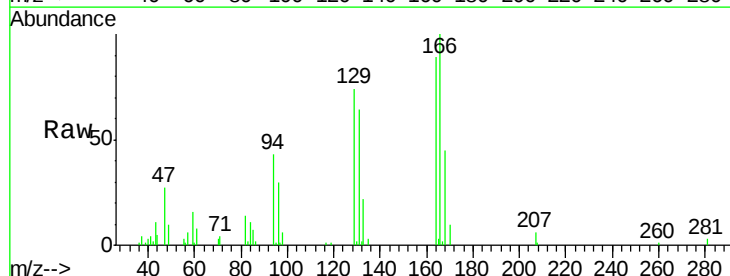


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

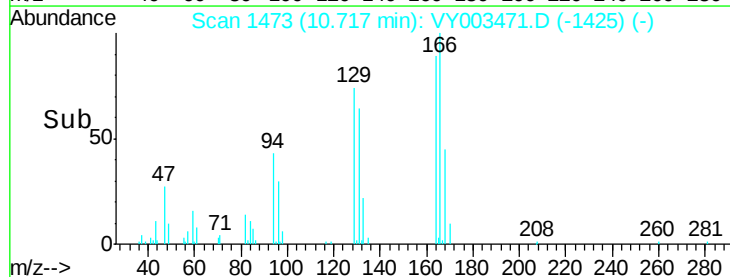
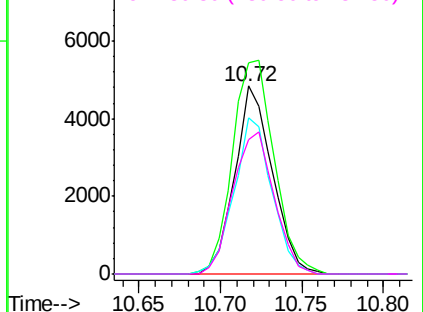


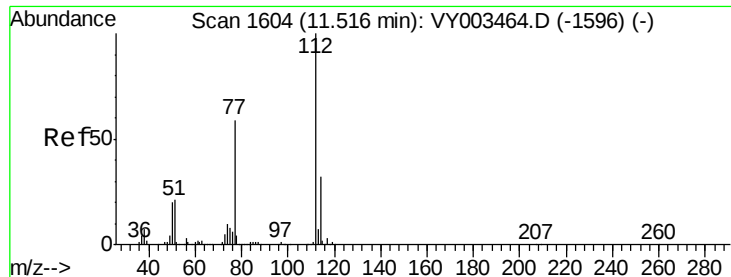
#64
Tetrachloroethene
Concen: 2.993 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:164 Resp: 7756
Ion Ratio Lower Upper
164 100
166 112.5 104.9 157.3
129 83.4 68.9 103.3
131 71.9 66.2 99.2



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

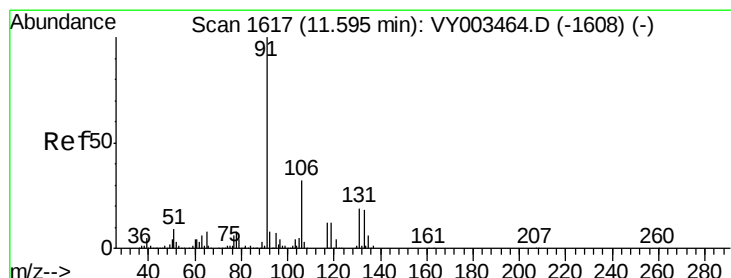
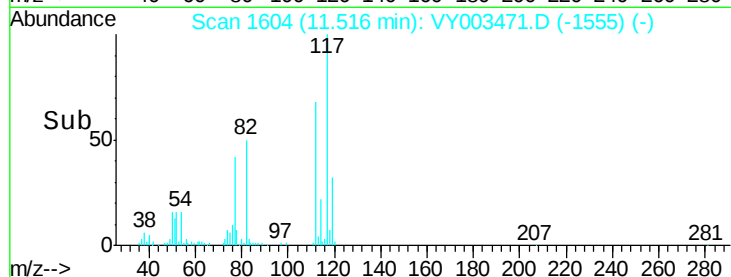
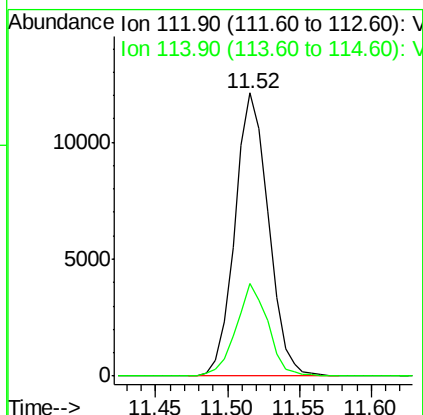
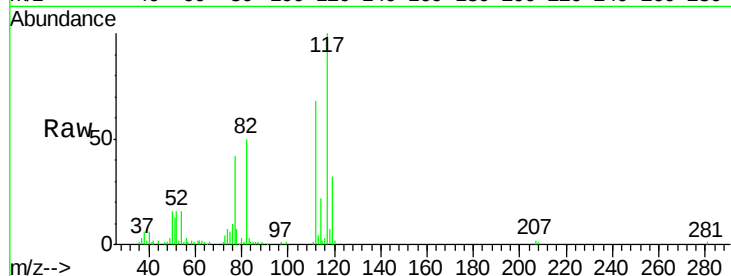




#65
Chlorobenzene
Concen: 2.914 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

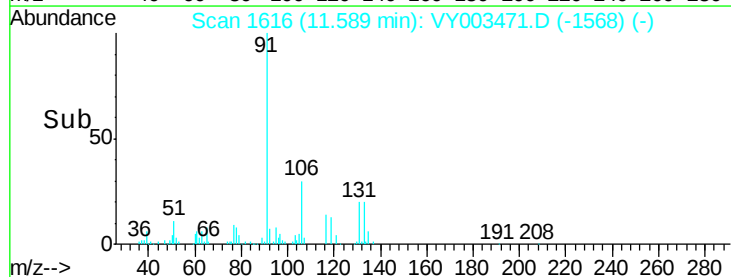
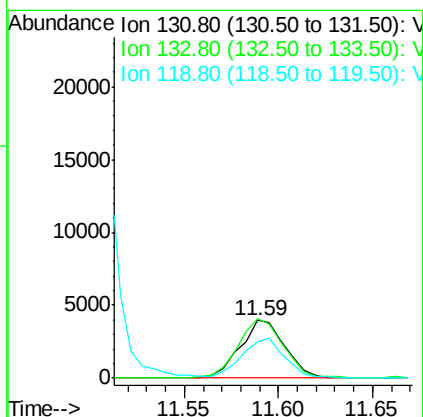
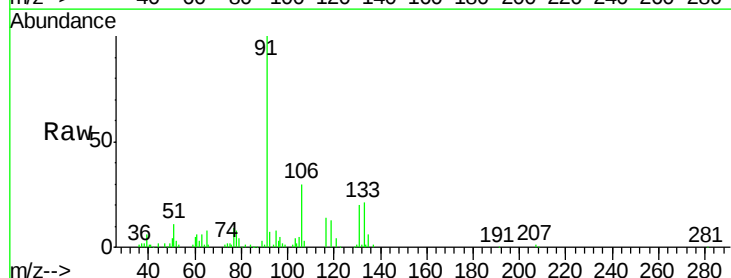
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

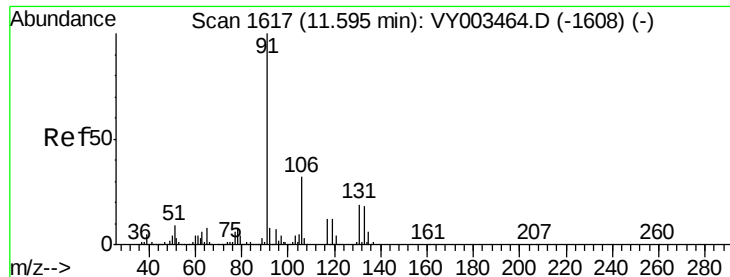
Tot Ion:112 Resp: 19640
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 2.547 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:131 Resp: 6474
Ion Ratio Lower Upper
131 100
133 105.2 47.4 142.2
119 67.2 31.6 95.0





#67

Ethyl Benzene

Concen: 2.747 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

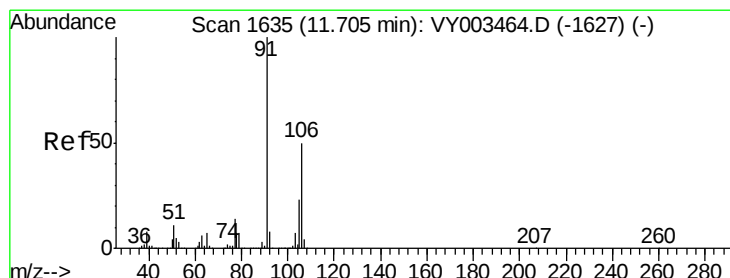
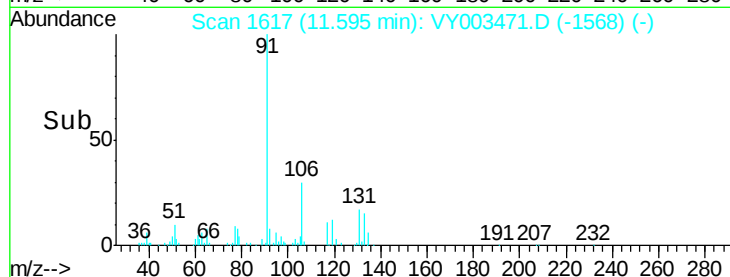
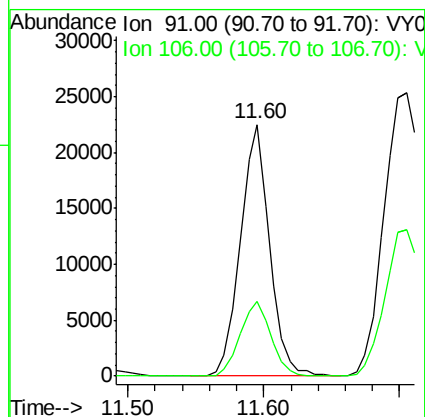
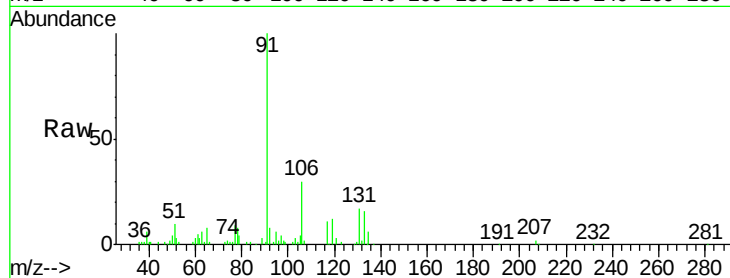
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 33578

Ion Ratio Lower Upper

91 100

106 30.0 25.4 38.0



#68

m/p-Xylenes

Concen: 5.398 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY003471.D

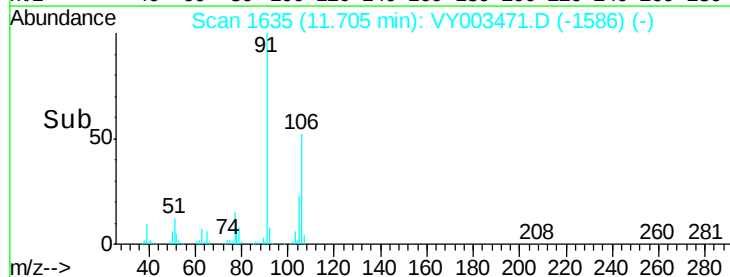
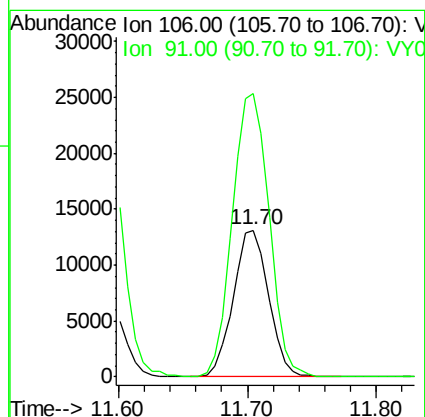
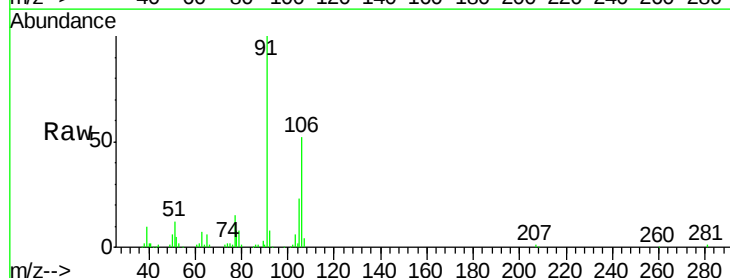
Acq: 02 Nov 2020 14:42

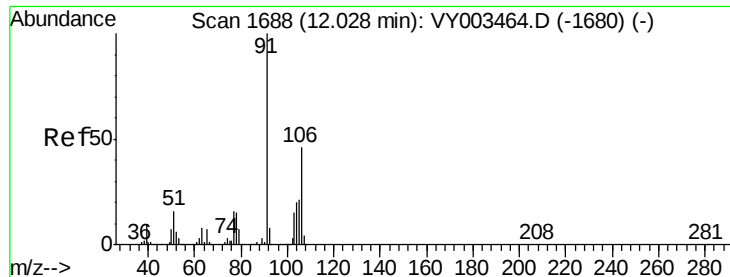
Tgt Ion: 106 Resp: 25001

Ion Ratio Lower Upper

106 100

91 200.5 161.0 241.6

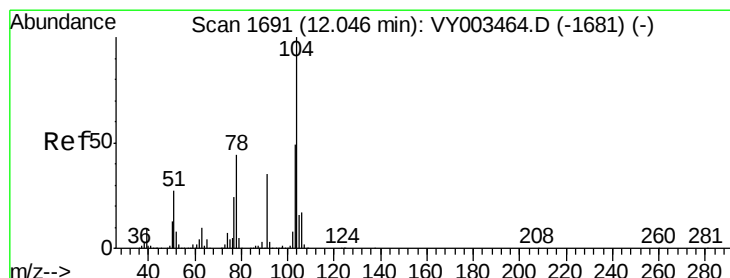
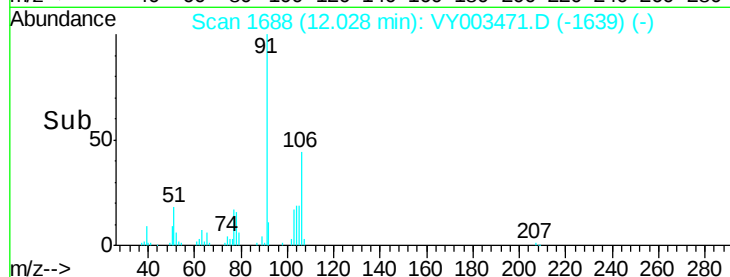
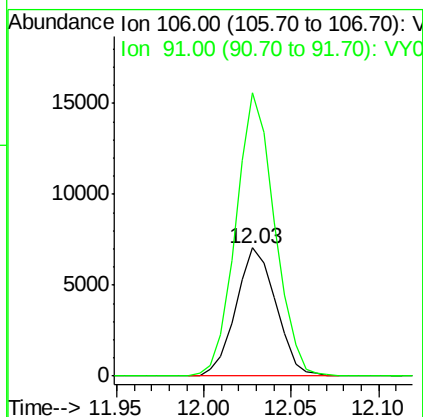
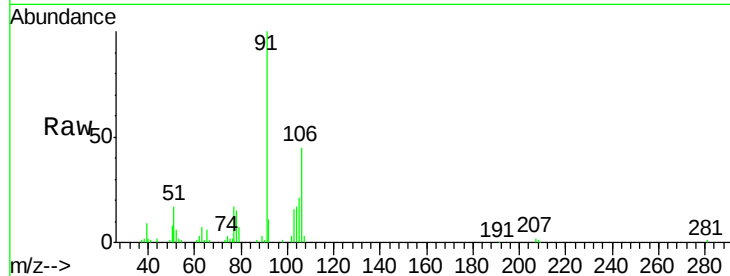




#69
o-Xylene
Concen: 2.634 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

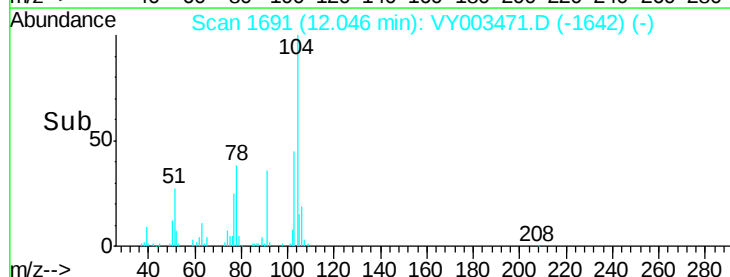
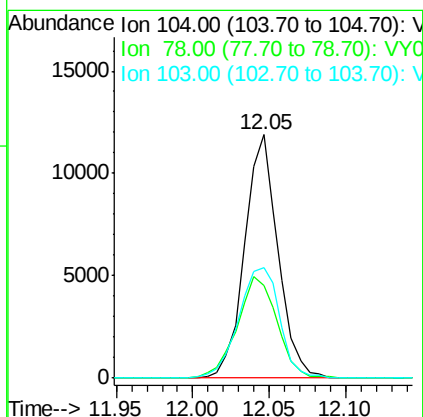
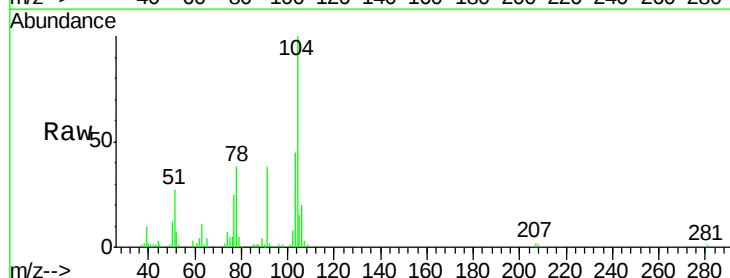
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

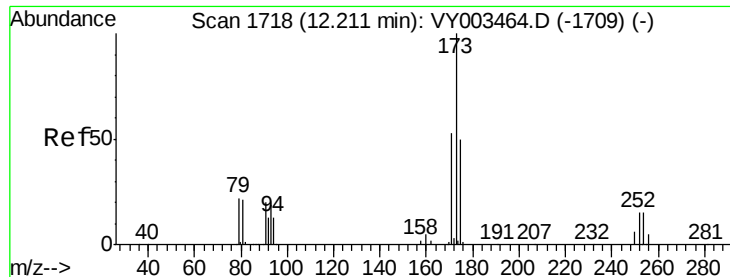
Tot Ion:106 Resp: 11224
Ion Ratio Lower Upper
106 100
91 213.9 105.5 316.5



#70
Styrene
Concen: 2.491 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:104 Resp: 18020
Ion Ratio Lower Upper
104 100
78 49.8 39.5 59.3
103 55.8 44.2 66.2

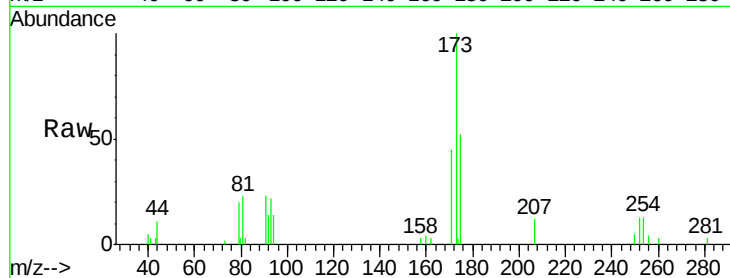




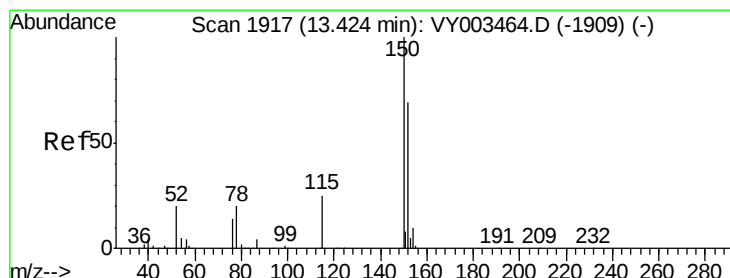
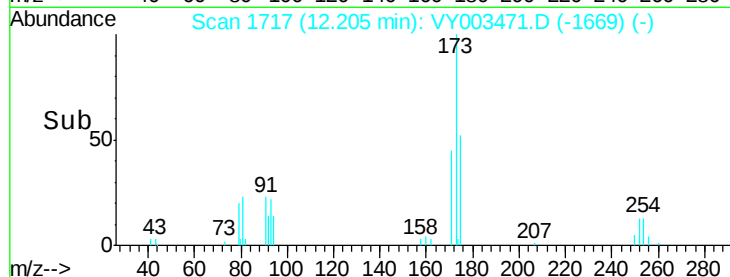
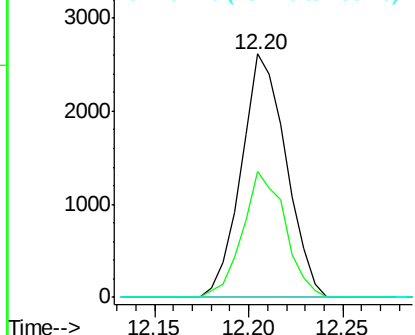
#71
Bromoform
Concen: 2.541 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.01 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:173 Resp: 4306
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.0 0.2 0.2#

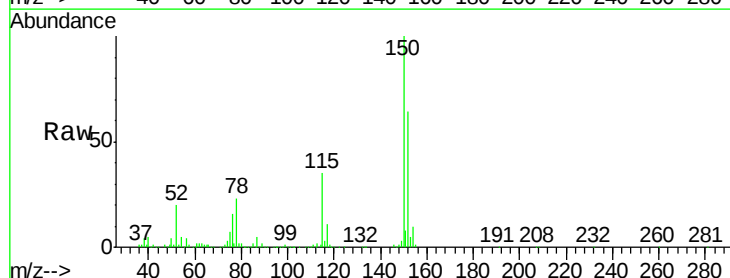


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

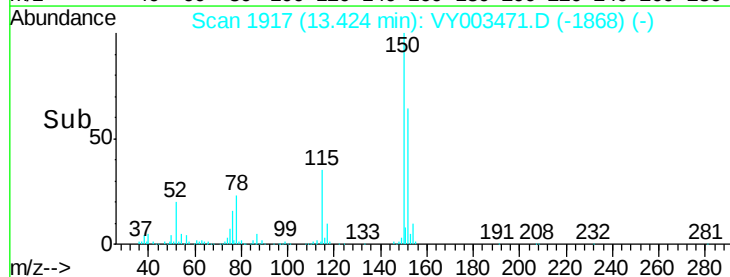
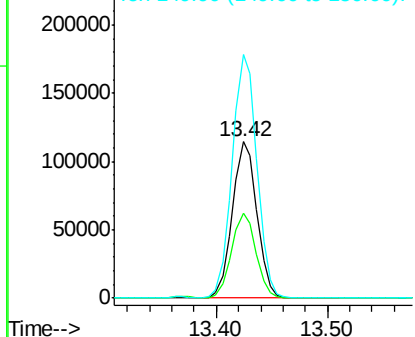


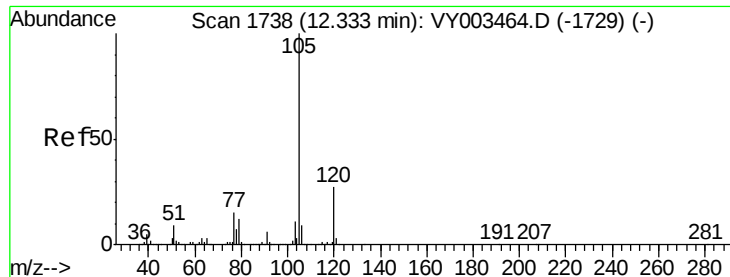
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:152 Resp: 173307
Ion Ratio Lower Upper
152 100
115 54.3 27.5 82.4
150 157.7 0.0 345.8



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





#73

Isopropylbenzene

Concen: 2.696 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

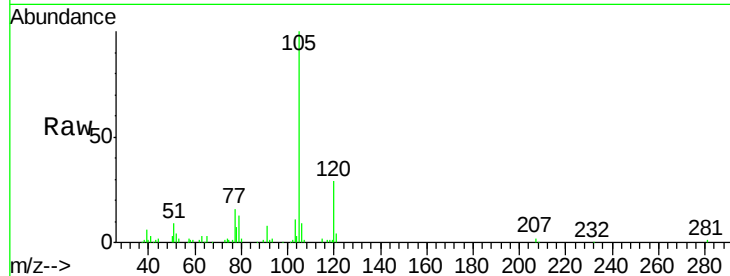
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 105 Resp: 30525

Ion Ratio Lower Upper

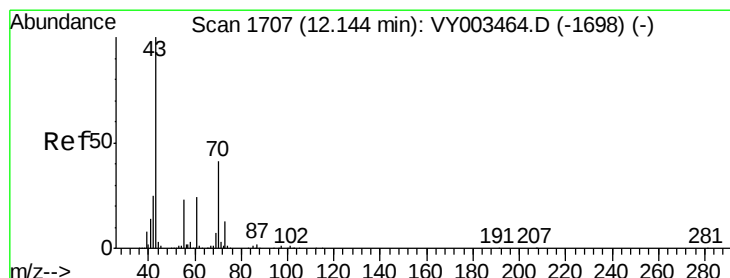
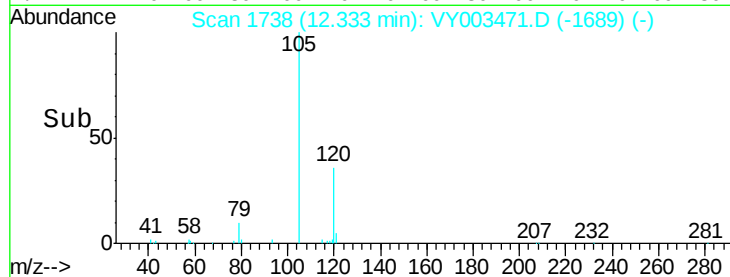
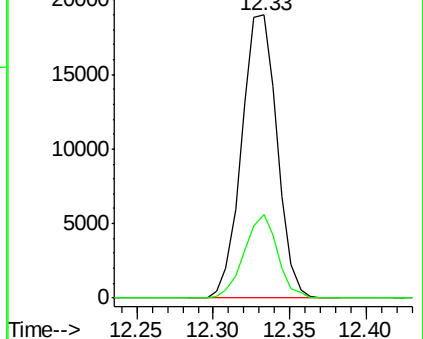
105 100

120 27.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.509 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Tgt Ion: 43 Resp: 8047

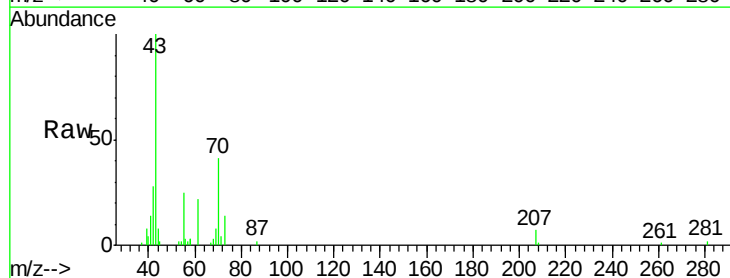
Ion Ratio Lower Upper

43 100

70 42.7 33.1 49.7

55 23.9 19.2 28.8

61 25.6 19.0 28.6

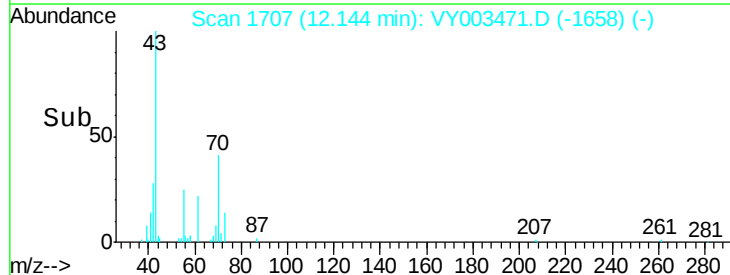
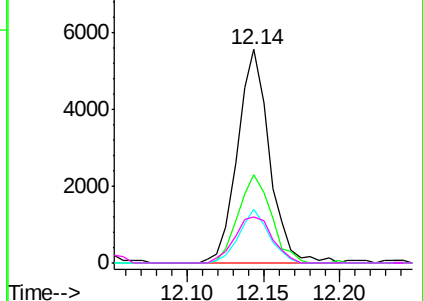


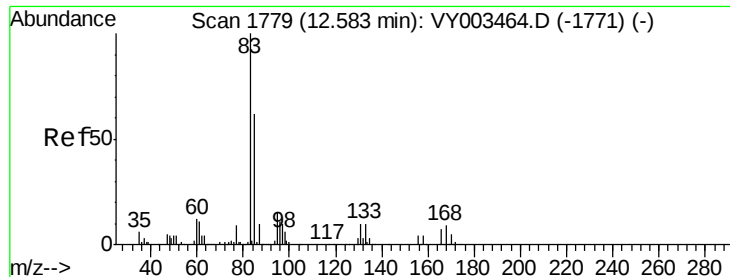
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.712 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

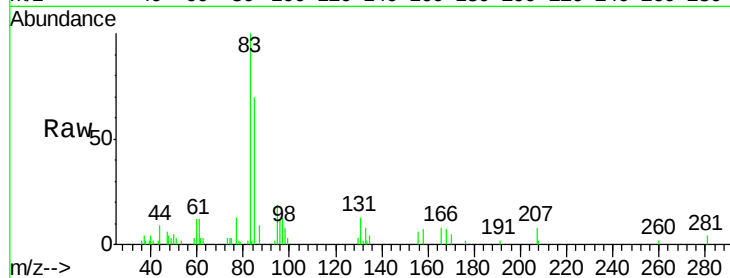
Tot Ion: 83 Resp: 6559

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

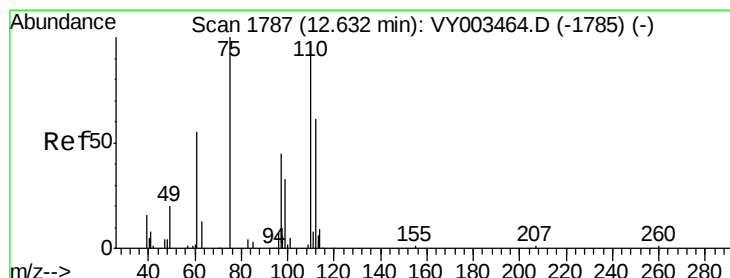
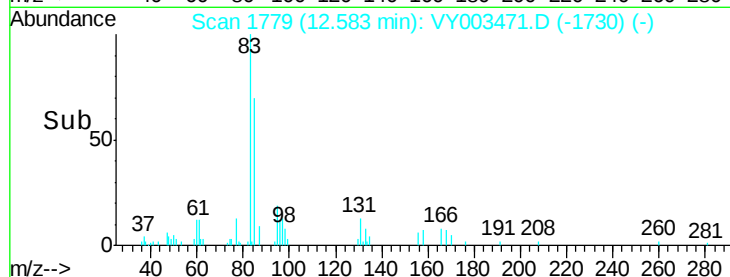
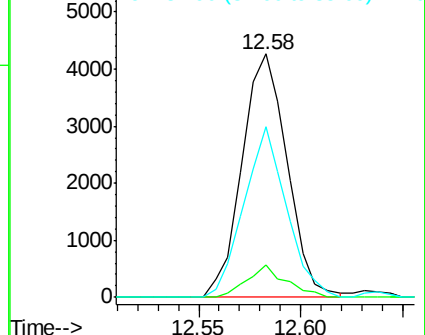
85 66.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 2.816 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003471.D

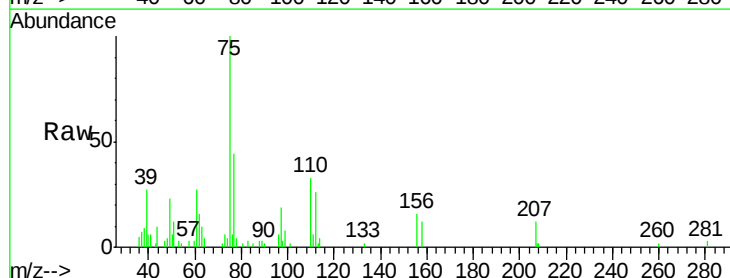
Acq: 02 Nov 2020 14:42

Tgt Ion: 75 Resp: 5163

Ion Ratio Lower Upper

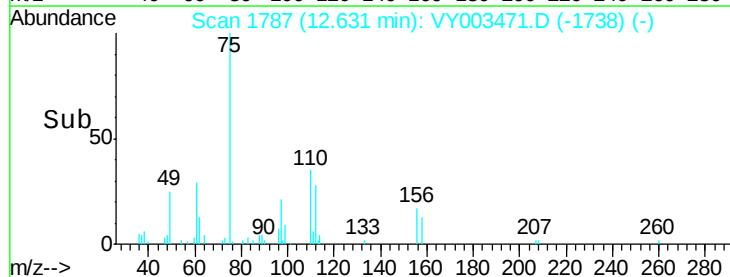
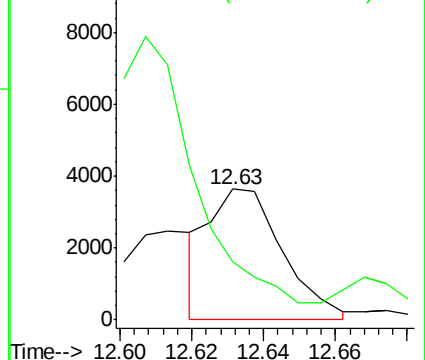
75 100

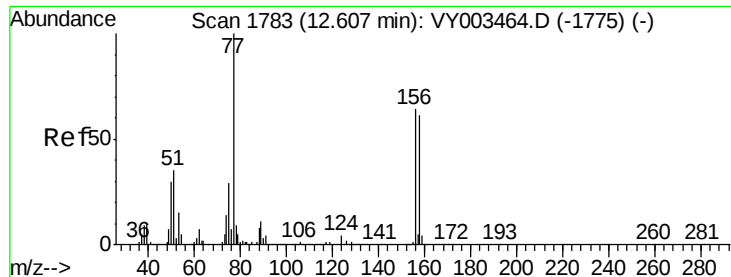
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 2.820 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

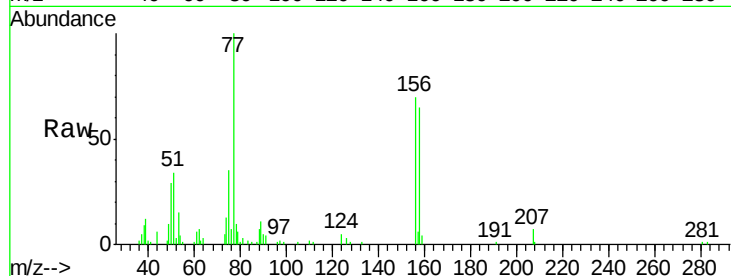
Tot Ion:156 Resp: 8112

Ion Ratio Lower Upper

156 100

77 176.5 87.0 260.9

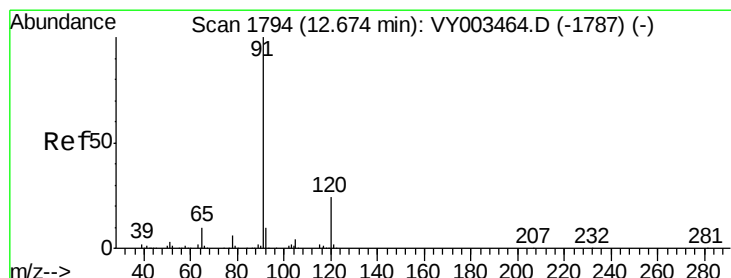
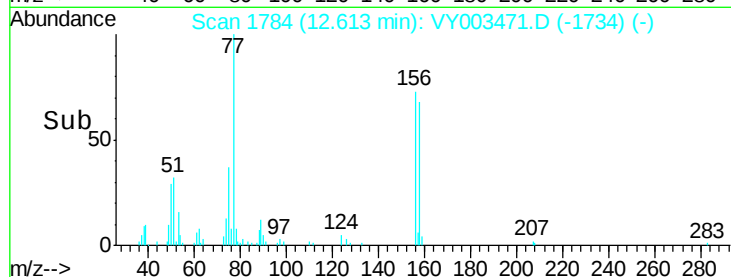
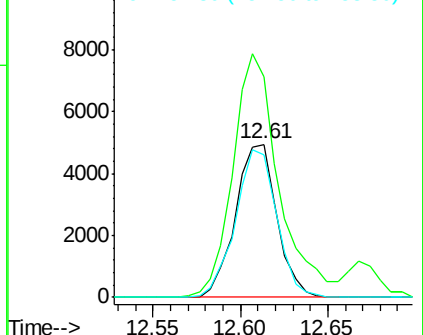
158 96.9 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.792 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003471.D

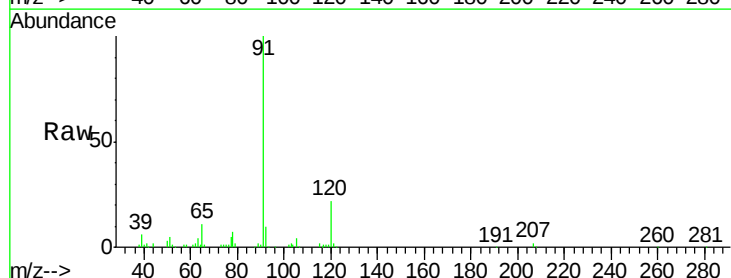
Acq: 02 Nov 2020 14:42

Tgt Ion: 91 Resp: 37227

Ion Ratio Lower Upper

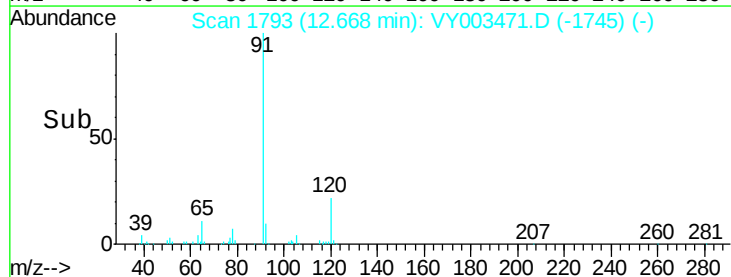
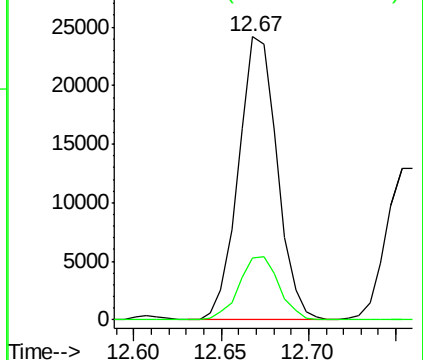
91 100

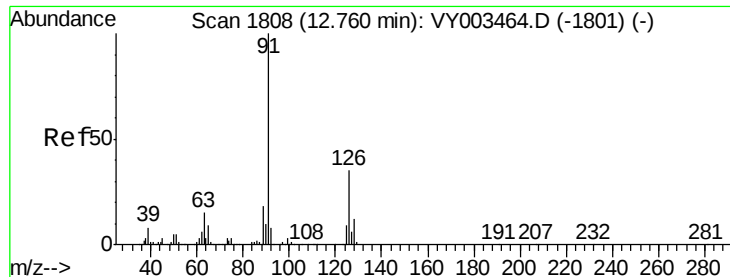
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

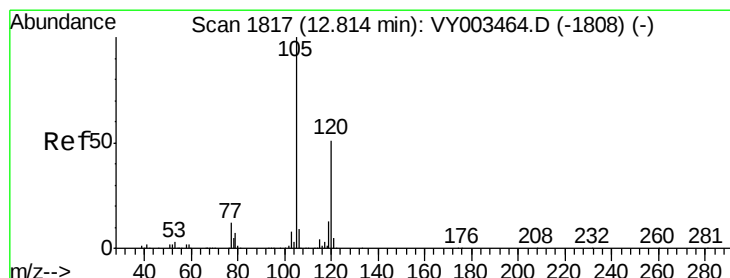
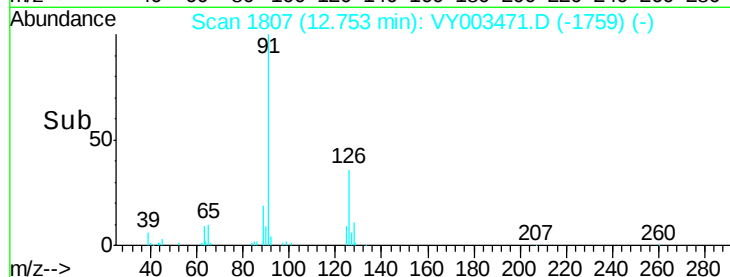
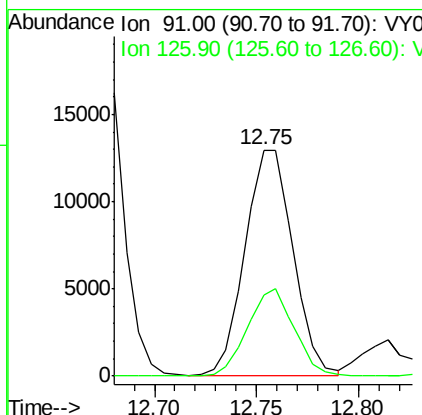
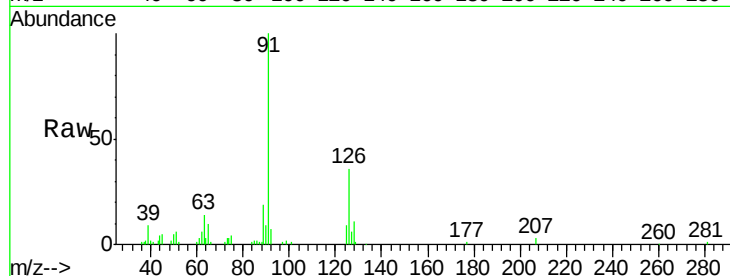




#79
 2-Chlorotoluene
 Concen: 2.873 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

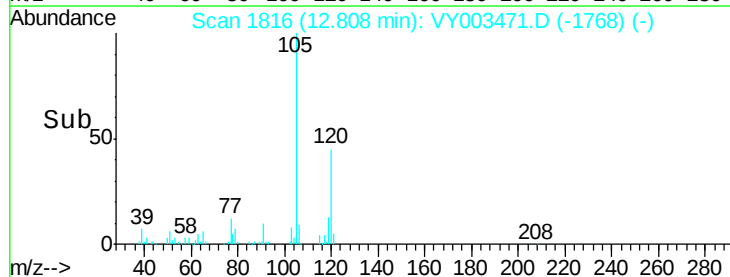
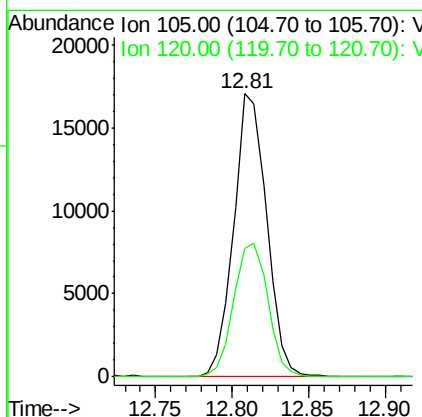
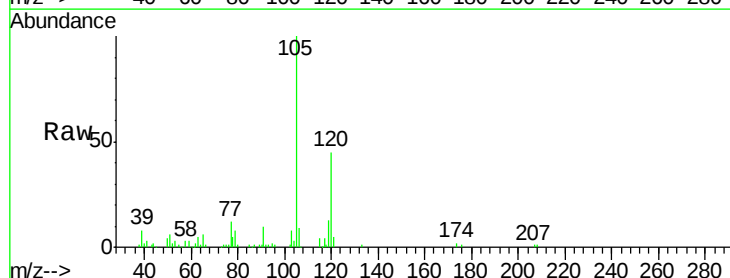
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

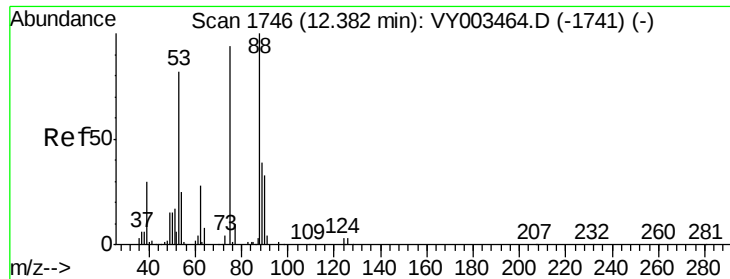
Tot Ion: 91 Resp: 21405
 Ion Ratio Lower Upper
 91 100
 126 37.2 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 2.719 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion: 105 Resp: 25508
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 2.596 ug/l m

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

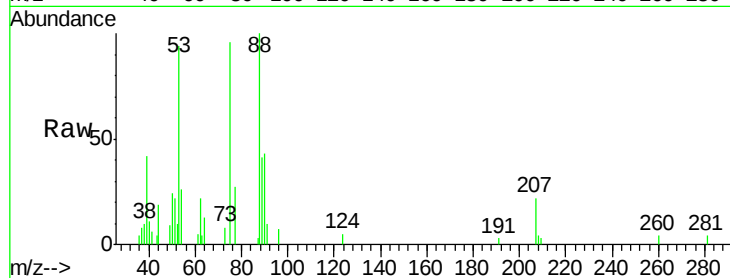
Tot Ion: 75 Resp: 2281

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

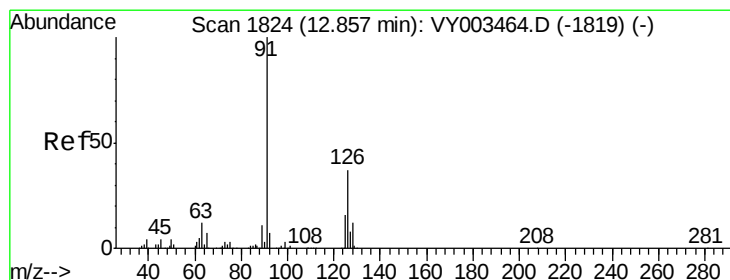
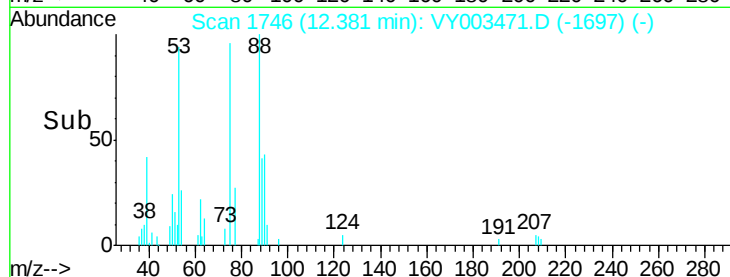
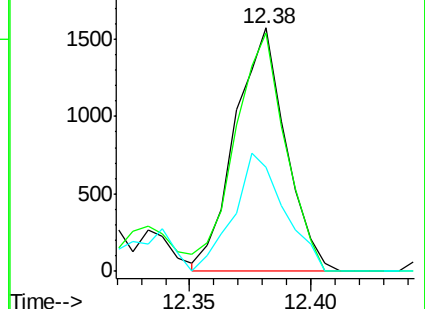
89 6.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 2.858 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY003471.D

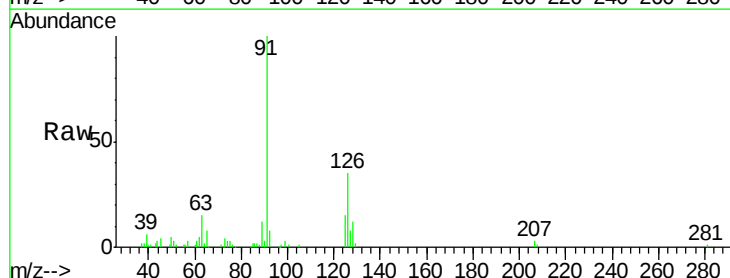
Acq: 02 Nov 2020 14:42

Tgt Ion: 91 Resp: 22254

Ion Ratio Lower Upper

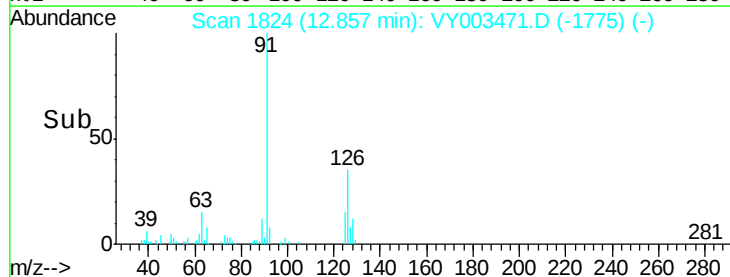
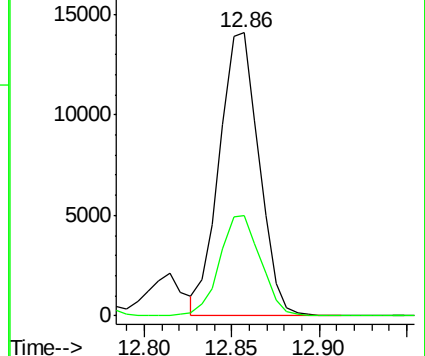
91 100

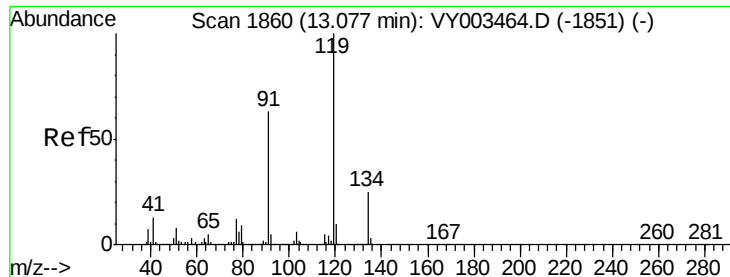
126 36.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

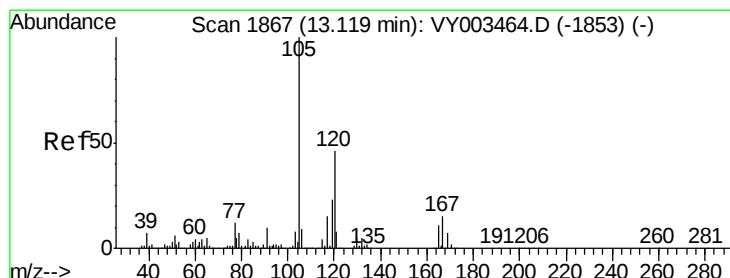
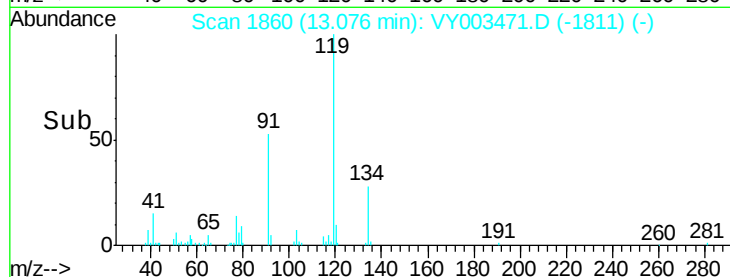
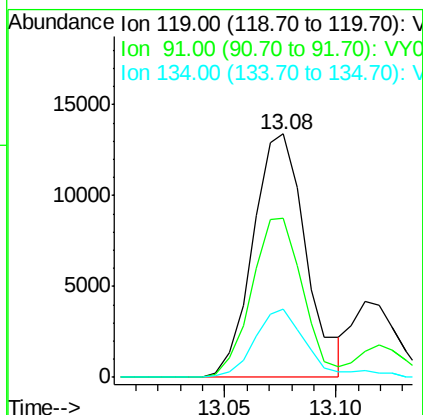
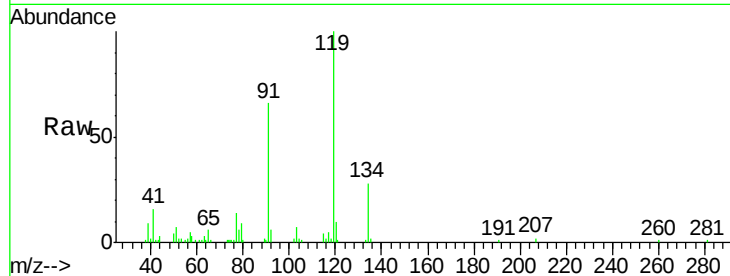




#83
tert-Butylbenzene
Concen: 2.658 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

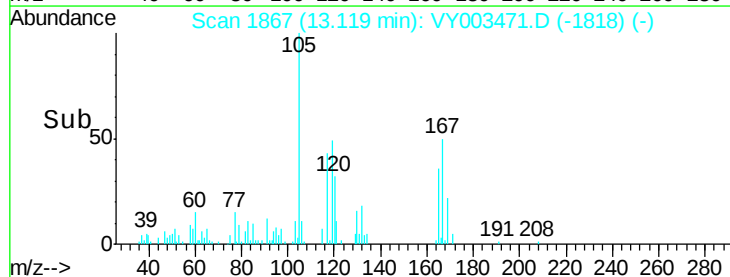
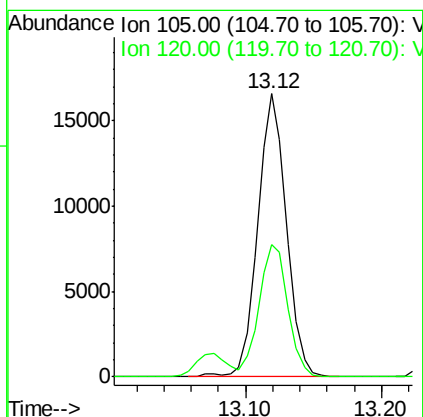
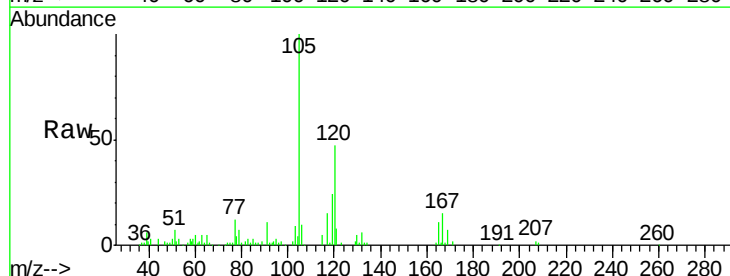
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

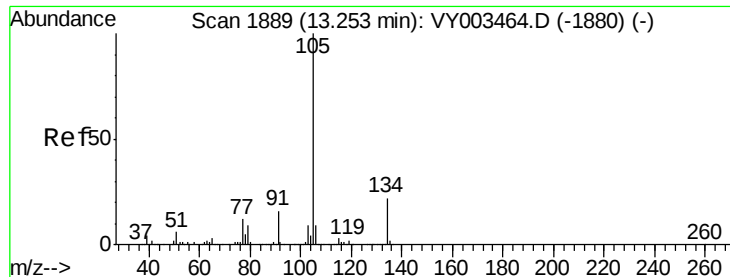
Tot Ion:119 Resp: 22110
Ion Ratio Lower Upper
119 100
91 63.1 31.1 93.2
134 28.0 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 2.618 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion:105 Resp: 24546
Ion Ratio Lower Upper
105 100
120 46.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 2.768 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

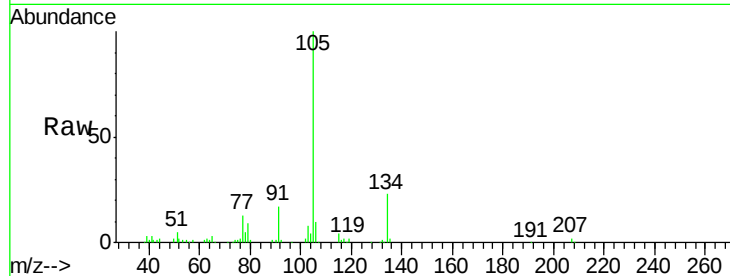
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:105 Resp: 31177

Ion Ratio Lower Upper

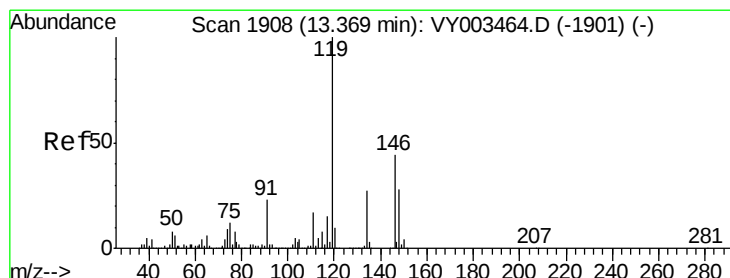
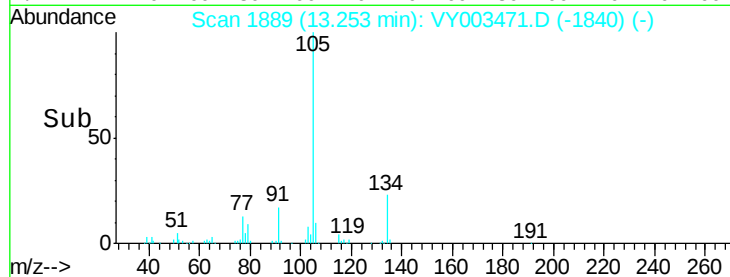
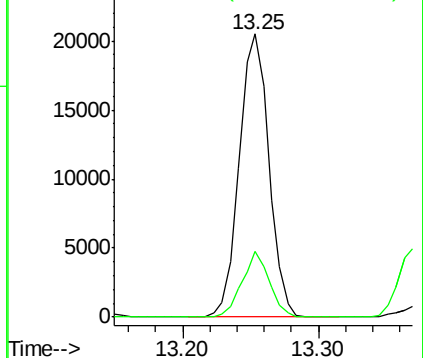
105 100

134 21.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.625 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

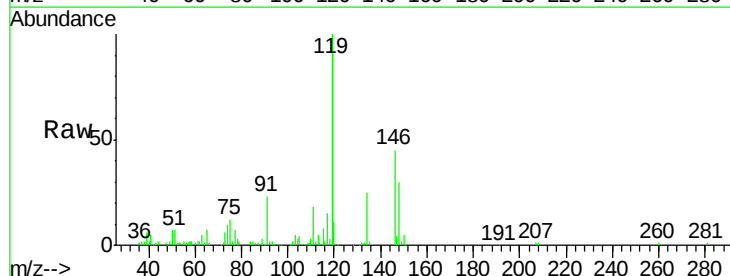
Tgt Ion:119 Resp: 27424

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

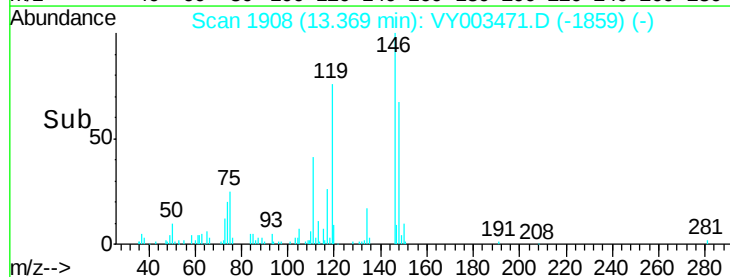
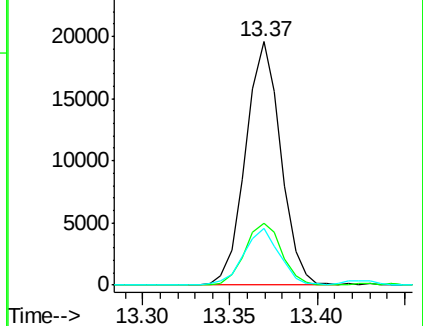
91 23.8 11.4 34.2

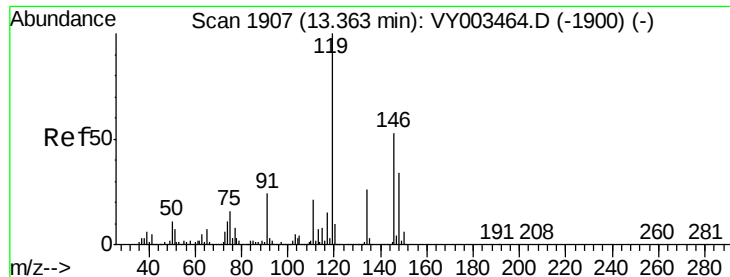


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

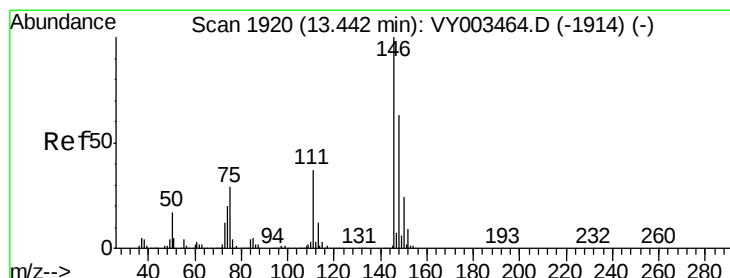
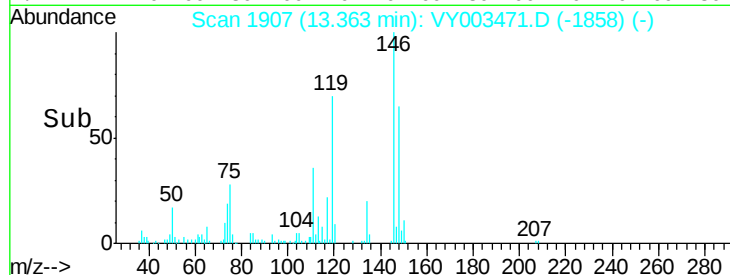
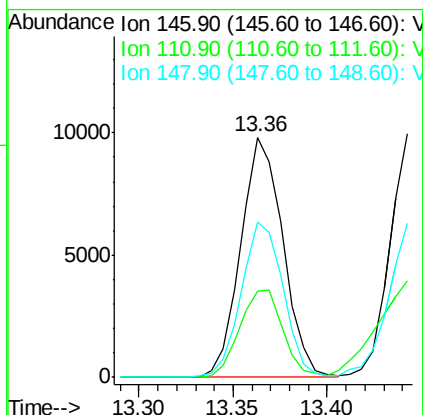
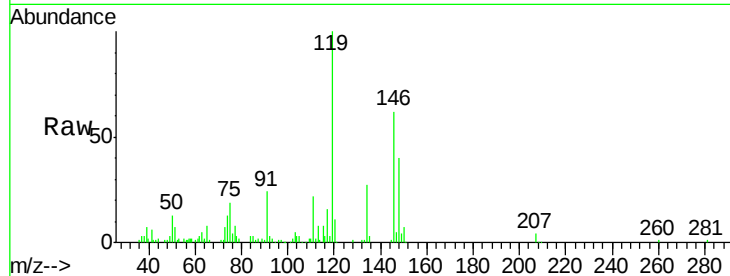




#87
 1,3-Dichlorobenzene
 Concen: 2.847 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

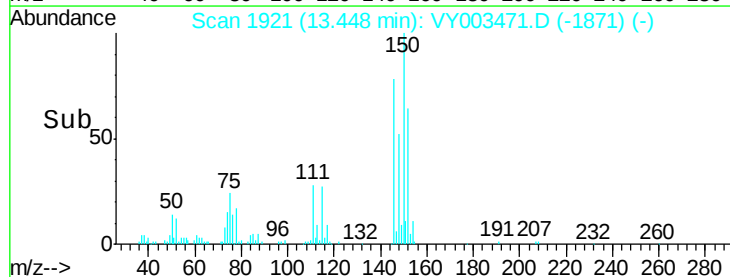
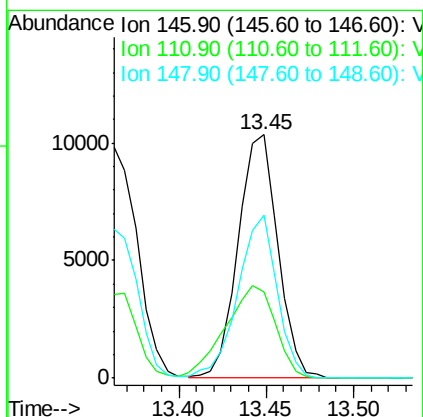
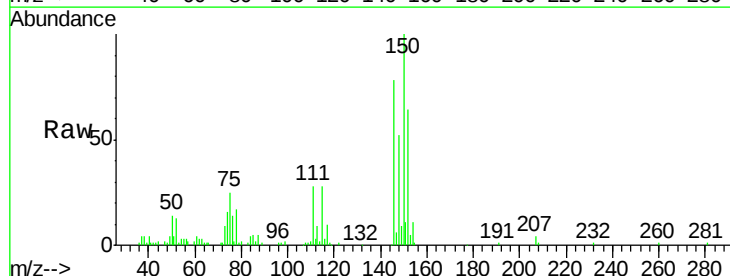
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

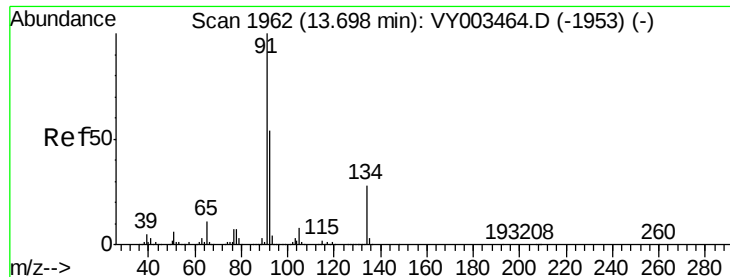
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.2	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 3.066 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	18.3	54.8
148	66.4	32.0	96.0

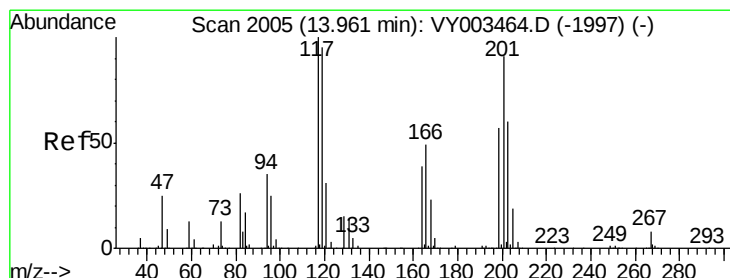
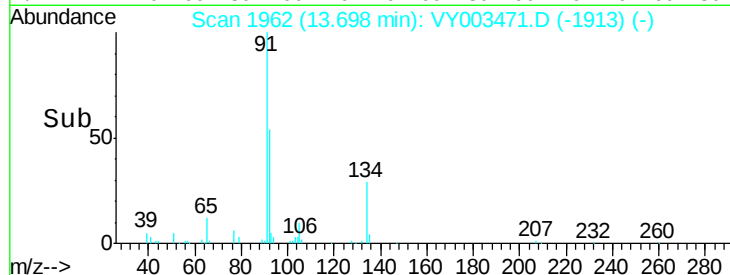
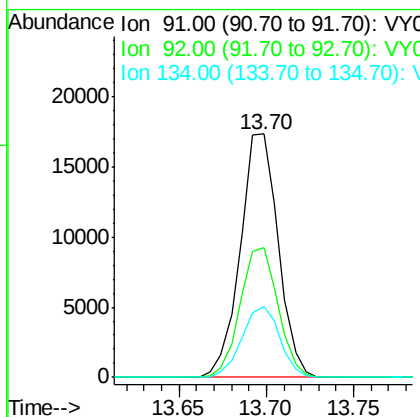
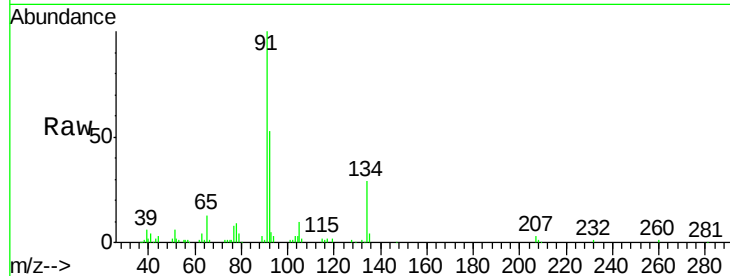




#89
n-Butylbenzene
Concen: 2.743 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

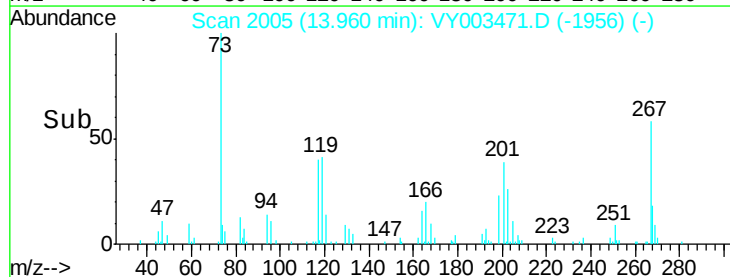
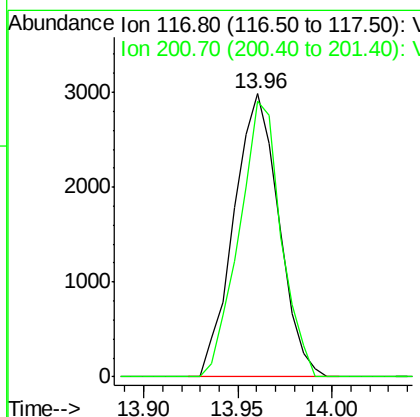
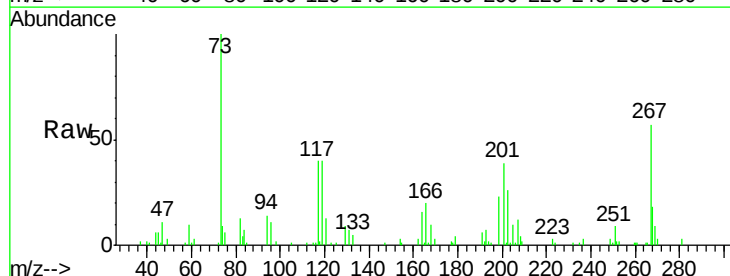
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

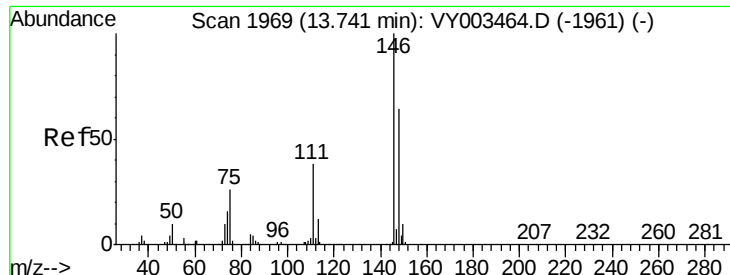
Tot Ion: 91 Resp: 26170
Ion Ratio Lower Upper
91 100
92 53.2 26.7 80.1
134 29.0 13.8 41.3



#90
Hexachloroethane
Concen: 2.814 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003471.D
Acq: 02 Nov 2020 14:42

Tgt Ion: 117 Resp: 4948
Ion Ratio Lower Upper
117 100
201 90.5 46.6 139.8

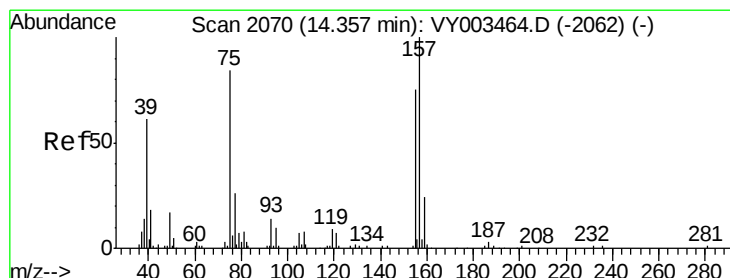
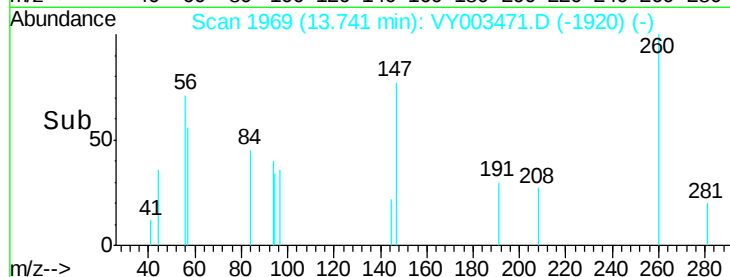
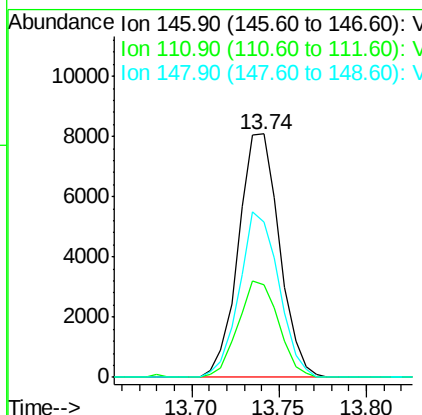
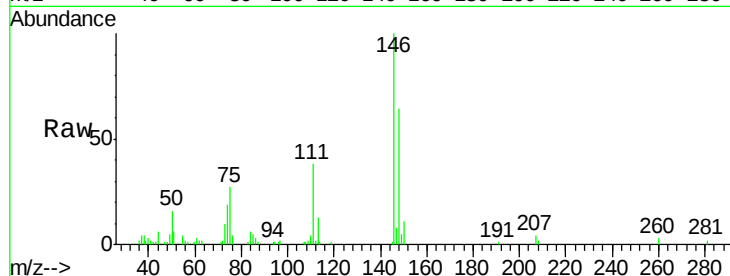




#91
 1,2-Dichlorobenzene
 Concen: 2.766 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

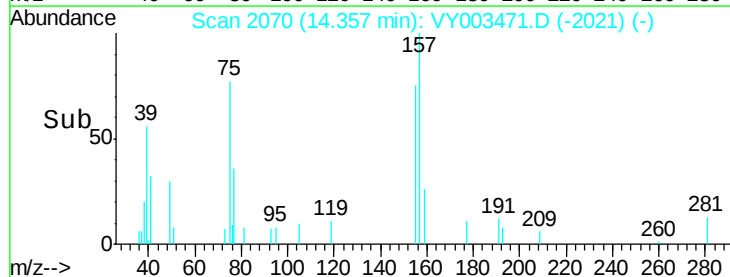
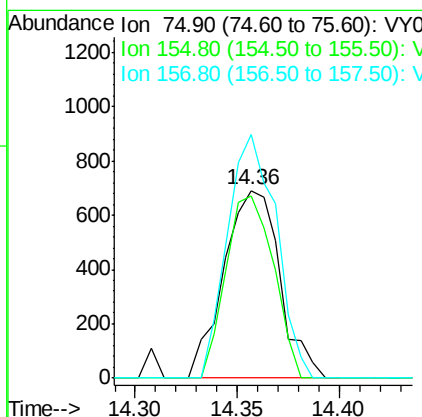
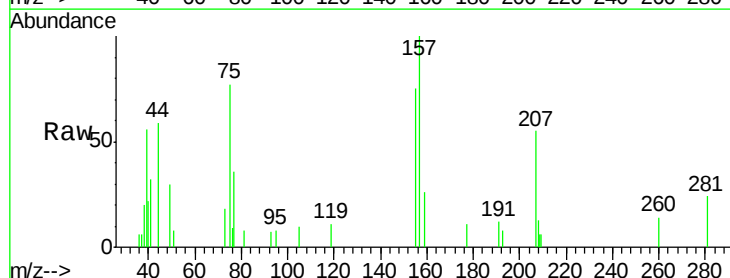
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

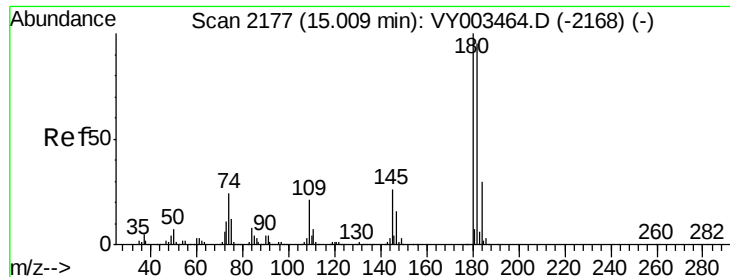
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	65.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.011 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	45.6	136.7
157	112.7	60.3	180.8

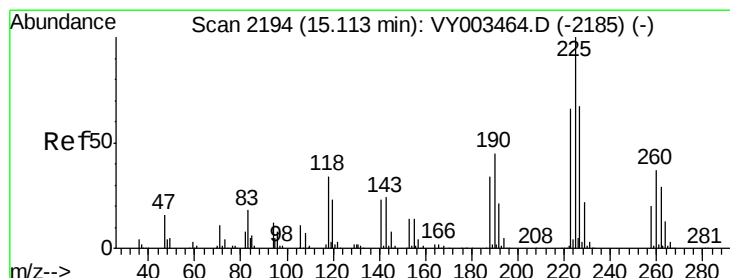
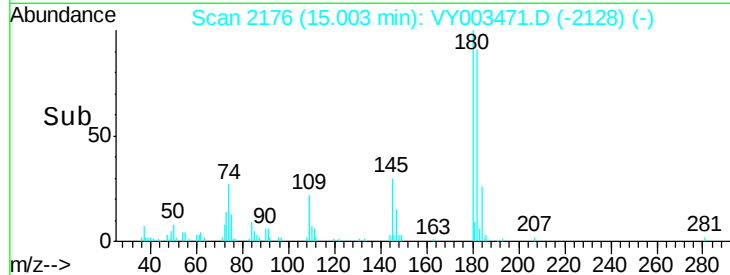
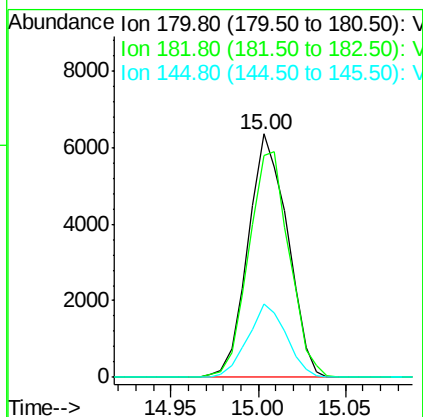
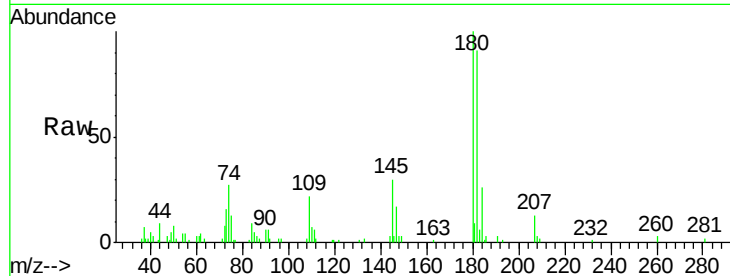




#93
 1,2,4-Trichlorobenzene
 Concen: 2.959 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

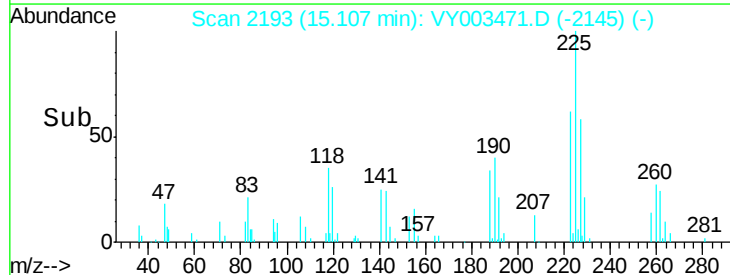
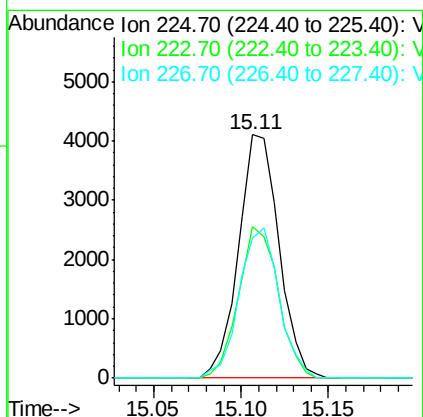
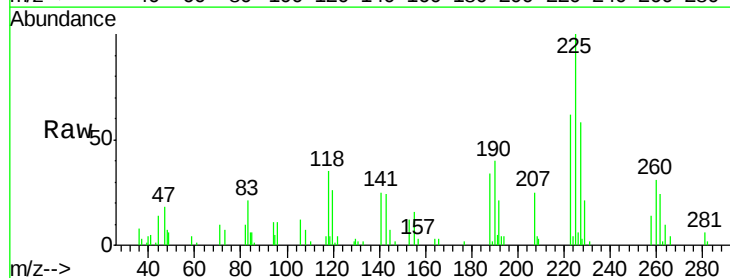
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

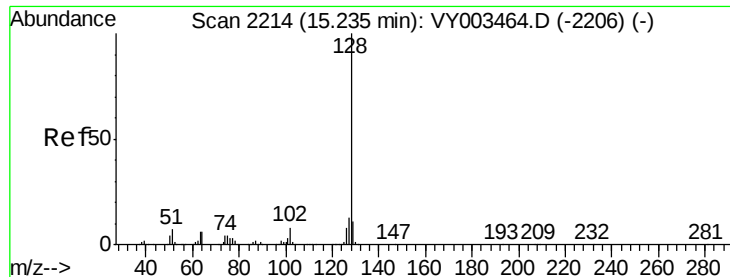
Tot Ion:180 Resp: 9963
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 29.6 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 3.045 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY003471.D
 Acq: 02 Nov 2020 14:42

Tgt Ion:225 Resp: 6595
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.1 96.3
 227 61.3 32.4 97.2





#95

Naphthalene

Concen: 2.829 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

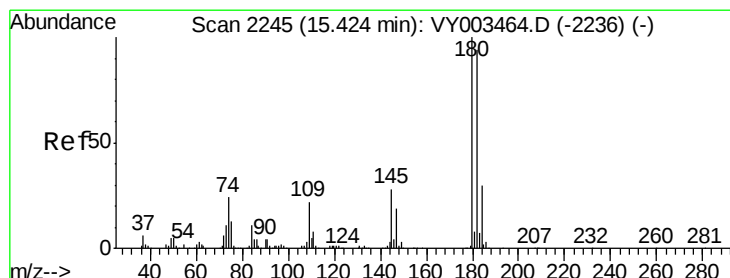
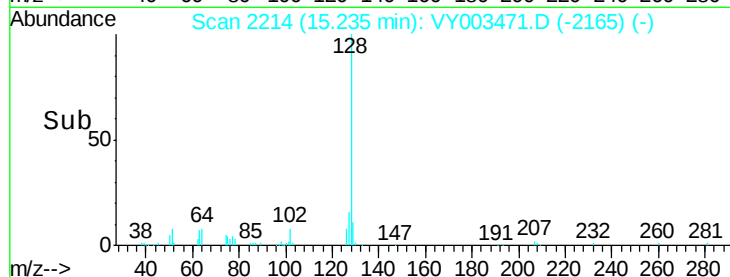
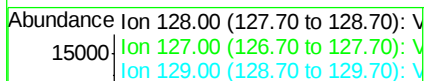
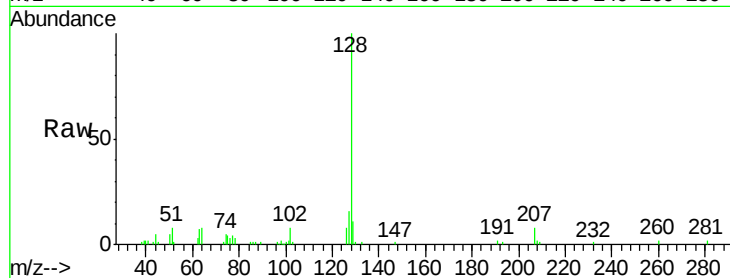
Tot Ion:128 Resp: 19076

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.797 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003471.D

Acq: 02 Nov 2020 14:42

Tgt Ion:180 Resp: 8470

Ion Ratio Lower Upper

180 100

182 97.6 46.9 140.7

145 29.7 14.4 43.2

