

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001836.D
 Acq On : 03 Mar 2020 15:42
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 04 04:28:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 04:23:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	163335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	262783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	119144	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	90101	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
35) Dibromofluoromethane	7.74	113	81084	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.19	98	333273	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.48	95	116531	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	5465	3.432	ug/l	98
3) Chloromethane	2.12	50	6097	2.847	ug/l	98
4) Vinyl Chloride	2.26	62	5757	2.665	ug/l	99
5) Bromomethane	2.66	94	4513	3.343	ug/l	93
6) Chloroethane	2.81	64	3643	2.737	ug/l	90
7) Trichlorofluoromethane	3.15	101	9705	3.511	ug/l	93
8) Diethyl Ether	3.55	74	2961	2.717	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.92	101	5249	3.021	ug/l	98
10) Methyl Iodide	4.11	142	4148	1.951	ug/l	98
11) Tert butyl alcohol	4.97	59	3759	15.419	ug/l #	90
12) 1,1-Dichloroethene	3.89	96	5071	2.861	ug/l	95
13) Acrolein	3.75	56	1868	10.528	ug/l	87
14) Allyl chloride	4.50	41	9017	2.859	ug/l	97
15) Acrylonitrile	5.19	53	7902	14.146	ug/l	98
16) Acetone	3.97	43	8378	13.782	ug/l	93
17) Carbon Disulfide	4.21	76	15131	2.557	ug/l	96
18) Methyl Acetate	4.50	43	6319	4.773	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	13681	2.773	ug/l	98
20) Methylene Chloride	4.74	84	12839	5.946	ug/l #	91
21) trans-1,2-Dichloroethene	5.25	96	5549	2.744	ug/l	89
22) Diisopropyl ether	6.14	45	17918	2.766	ug/l	94
23) Vinyl Acetate	6.09	43	47246	11.182	ug/l	98
24) 1,1-Dichloroethane	6.04	63	9801	2.831	ug/l	96
25) 2-Butanone	7.01	43	11254	13.628	ug/l	95
26) 2,2-Dichloropropane	7.01	77	9286	3.083	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	5863	2.627	ug/l	89
28) Bromochloromethane	7.36	49	3939	2.731	ug/l	93
29) Tetrahydrofuran	7.37	42	7139	14.303	ug/l	97
30) Chloroform	7.53	83	9914	2.931	ug/l	98
31) Cyclohexane	7.81	56	13513	3.661	ug/l #	59
32) 1,1,1-Trichloroethane	7.73	97	7690	2.705	ug/l	96
36) 1,1-Dichloropropene	7.94	75	7620	2.712	ug/l	98
37) Ethyl Acetate	7.11	43	4866	2.902	ug/l #	79
38) Carbon Tetrachloride	7.92	117	6871	2.785	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	10184	2.732	ug/l	92
40) Benzene	8.18	78	23411	2.833	ug/l	97
41) Methacrylonitrile	7.33	41	1868	2.219	ug/l #	59
42) 1,2-Dichloroethane	8.26	62	6477	2.877	ug/l	88
43) Isopropyl Acetate	8.29	43	8596	2.702	ug/l	99
44) Trichloroethene	8.96	130	5519	2.676	ug/l	93
45) 1,2-Dichloropropane	9.23	63	5828	2.817	ug/l	92
46) Dibromomethane	9.32	93	2962	2.737	ug/l	94
47) Bromodichloromethane	9.51	83	7100	2.718	ug/l #	99
48) Methyl methacrylate	9.31	41	3954	2.748	ug/l	98
49) 1,4-Dioxane	9.31	88	769	50.307	ug/l #	87
51) 4-Methyl-2-Pentanone	10.08	43	21531	13.172	ug/l	98
52) Toluene	10.25	92	14450	2.804	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	6950	2.407	ug/l #	85
54) cis-1,3-Dichloropropene	9.94	75	8433	2.537	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	4160	2.607	ug/l	95
56) Ethyl methacrylate	10.52	69	6239	2.606	ug/l	98
57) 1,3-Dichloropropane	10.80	76	7883	2.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	13461	13.464	ug/l	100
59) 2-Hexanone	10.84	43	14638	11.935	ug/l	97
60) Dibromochloromethane	10.99	129	4410	2.506	ug/l	98
61) 1,2-Dibromoethane	11.10	107	3936	2.608	ug/l	91
64) Tetrachloroethene	10.73	164	5042	3.056	ug/l	94
65) Chlorobenzene	11.52	112	14463	2.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	4561	2.577	ug/l	99
67) Ethyl Benzene	11.60	91	26515	2.723	ug/l	93
68) m/p-Xylenes	11.71	106	19817	5.449	ug/l	97
69) o-Xylene	12.03	106	9825	2.842	ug/l	95
70) Styrene	12.05	104	15511	2.581	ug/l	98
71) Bromoform	12.22	173	2496	2.468	ug/l #	95
73) Isopropylbenzene	12.33	105	24841	2.737	ug/l	98
74) N-amyl acetate	12.15	43	8145	2.812	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	5471	2.823	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	6693	4.897	ug/l #	100
77) Bromobenzene	12.61	156	5574	2.833	ug/l	89
78) n-propylbenzene	12.68	91	30102	2.723	ug/l	99
79) 2-Chlorotoluene	12.77	91	17096	2.757	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	20795	2.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	59620	82.759	ug/l #	17
82) 4-Chlorotoluene	12.86	91	17487	2.674	ug/l	99
83) tert-Butylbenzene	13.08	119	17222	2.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	20135	2.688	ug/l	99
85) sec-Butylbenzene	13.26	105	25378	2.746	ug/l	100
86) p-Isopropyltoluene	13.37	119	21670	2.699	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	10291	2.697	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	10804	2.801	ug/l	86
89) n-Butylbenzene	13.70	91	21715	2.647	ug/l	100
90) Hexachloroethane	13.97	117	3781	2.499	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	9617	2.731	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.36	75	732	2.289	ug/l	91

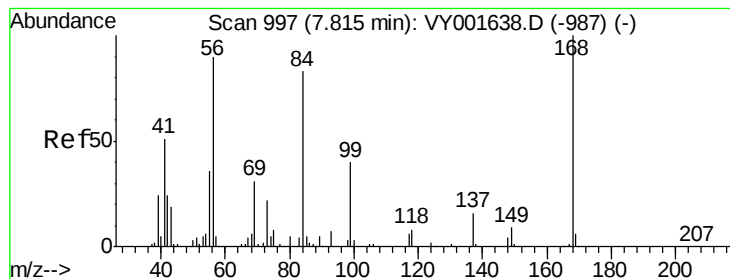
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6390	2.738	ug/l	98
94) Hexachlorobutadiene	15.12	225	3082	2.655	ug/l	92
95) Naphthalene	15.24	128	13443	2.498	ug/l	97
96) 1,2,3-Trichlorobenzene	15.44	180	5331	2.597	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

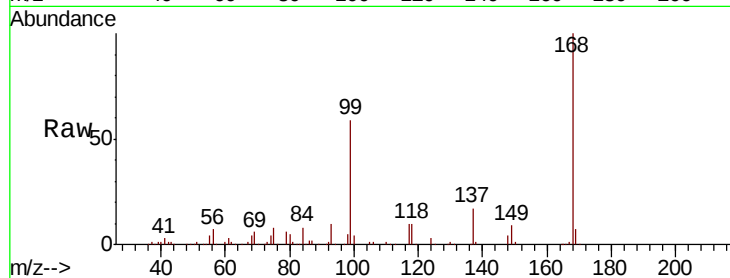
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 163335

Ion Ratio Lower Upper

168 100

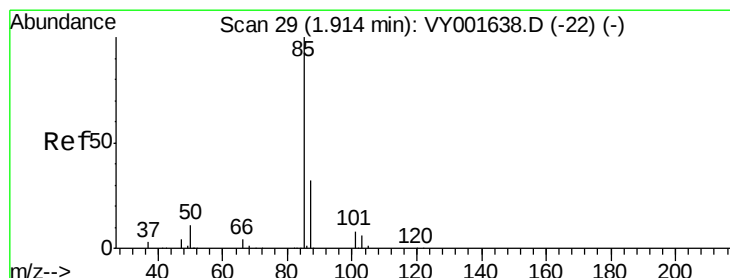
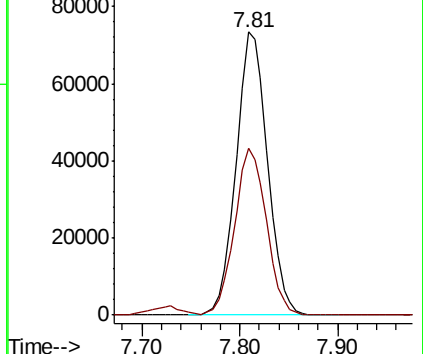
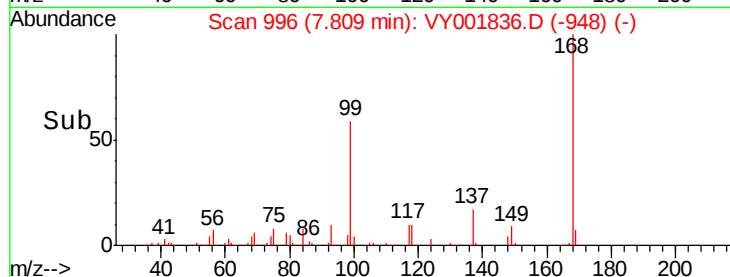
99 58.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001836.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001836.D (-948) (-)

Time-->



#2

Dichlorodifluoromethane

Concen: 3.432 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001836.D

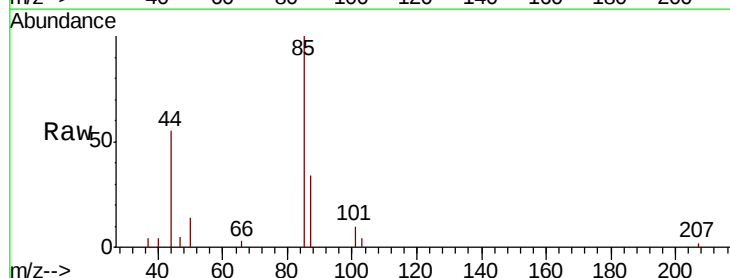
Acq: 03 Mar 2020 15:42

Tgt Ion: 85 Resp: 5465

Ion Ratio Lower Upper

85 100

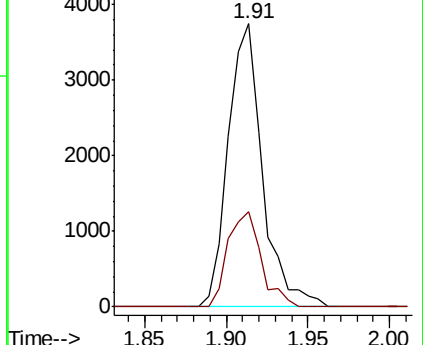
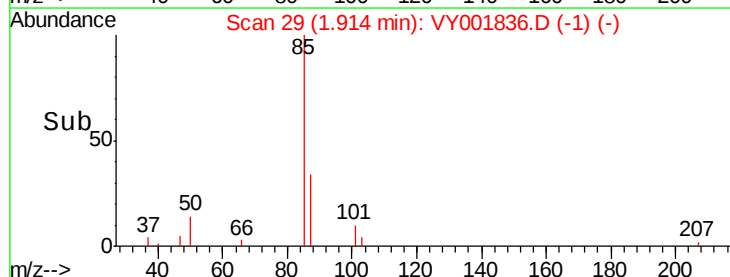
87 33.7 16.2 48.6

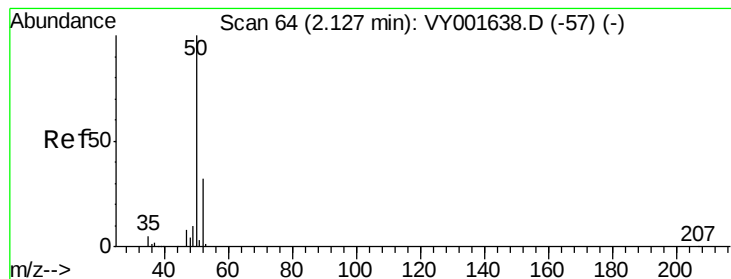


Abundance Ion 84.90 (84.60 to 85.60): VY001836.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001836.D (-1) (-)

Time-->





#3

Chloromethane

Concen: 2.847 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

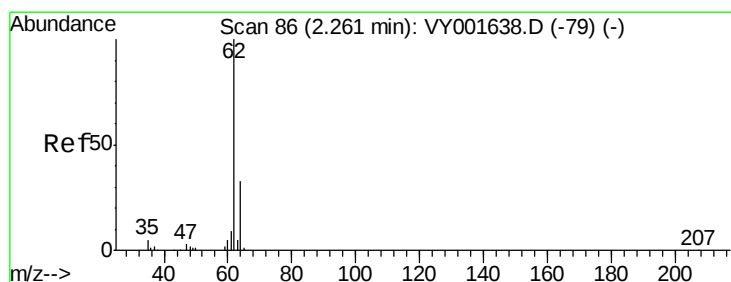
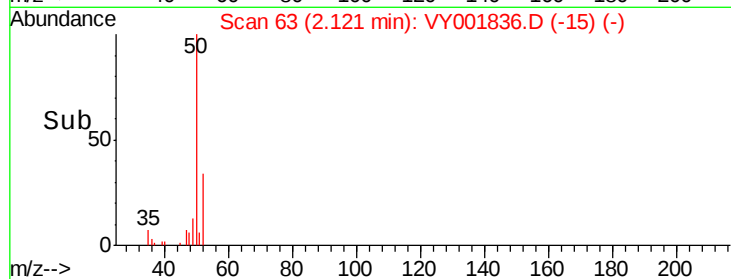
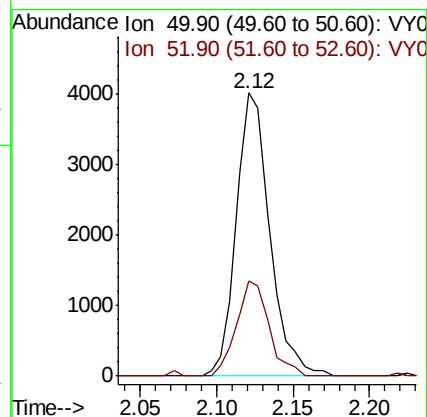
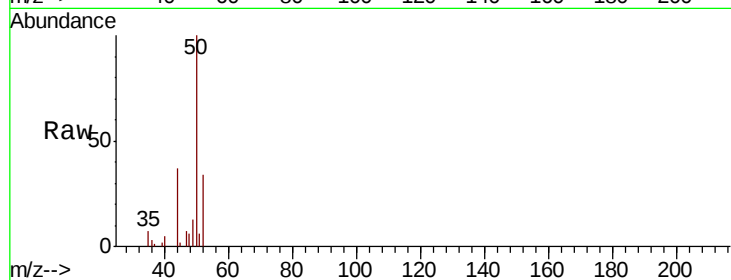
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 6097

Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.6



#4

Vinyl Chloride

Concen: 2.665 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001836.D

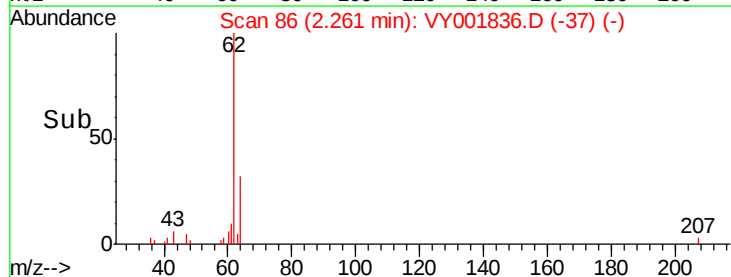
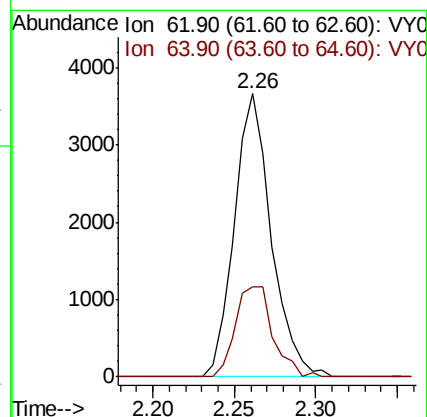
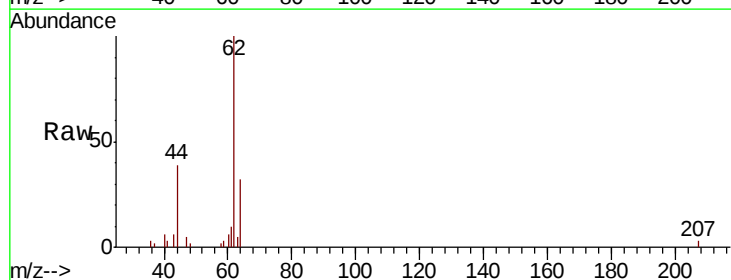
Acq: 03 Mar 2020 15:42

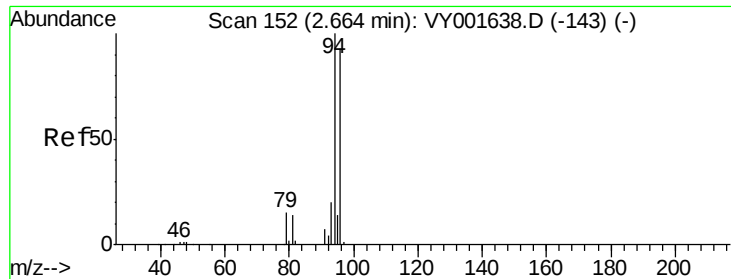
Tgt Ion: 62 Resp: 5757

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 3.343 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

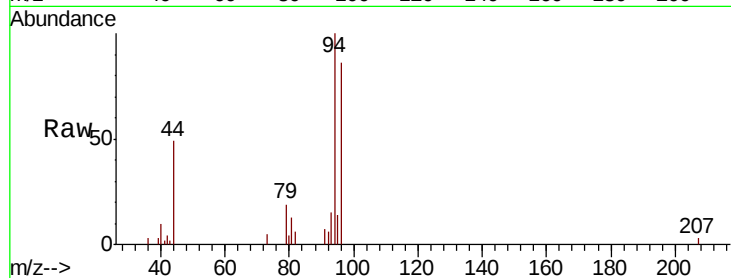
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 4513

Ion Ratio Lower Upper

94 100

96 85.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

2500

2000

1500

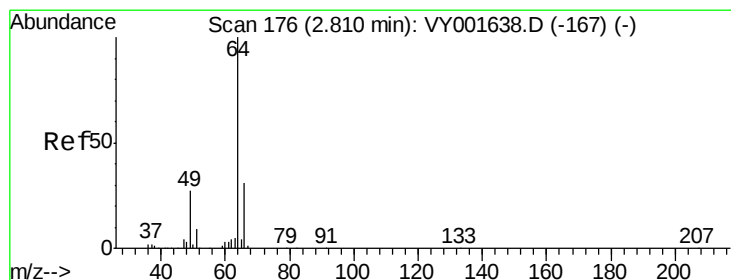
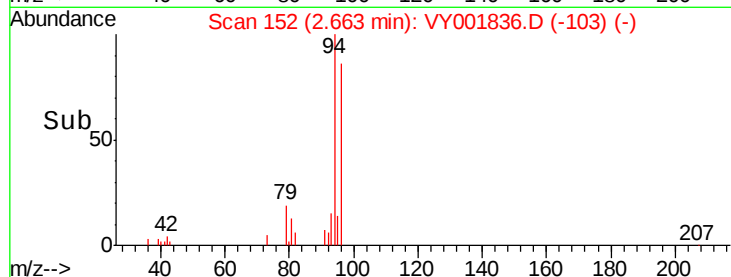
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 2.737 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001836.D

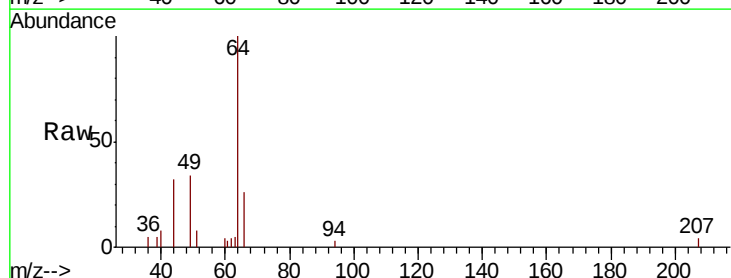
Acq: 03 Mar 2020 15:42

Tgt Ion: 64 Resp: 3643

Ion Ratio Lower Upper

64 100

66 26.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

2000

1500

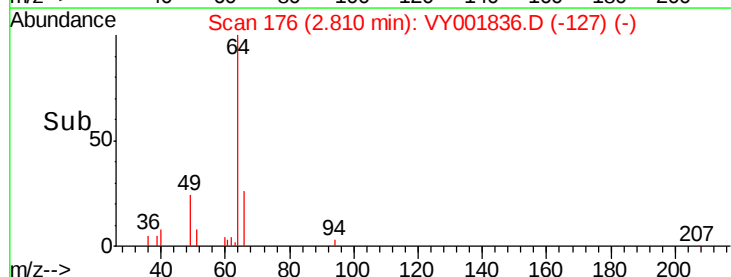
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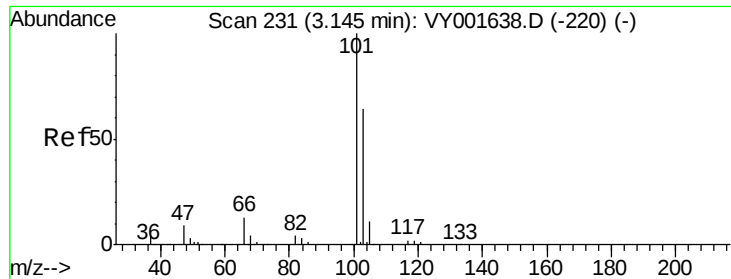
500

0

Time-->

2.75 2.80 2.85



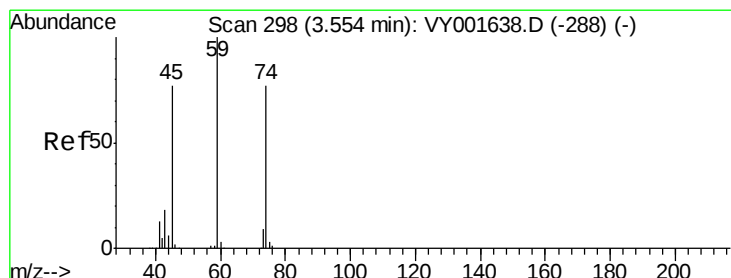
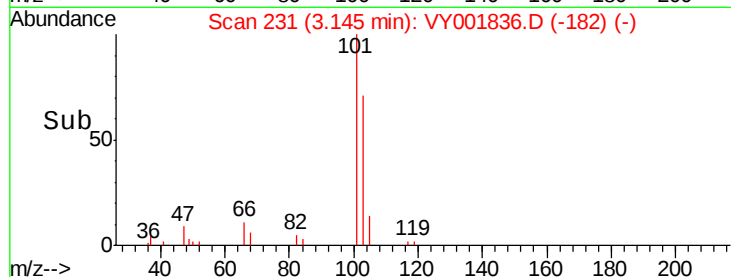
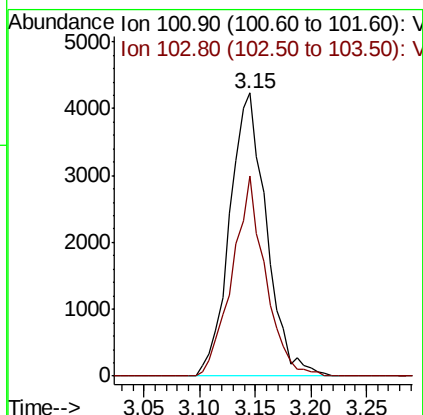
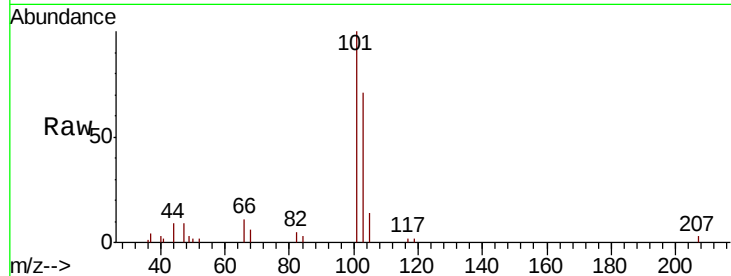


#7

Trichlorofluoromethane
Concen: 3.511 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

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LOD-MDL-SOIL-01-QT1-2020

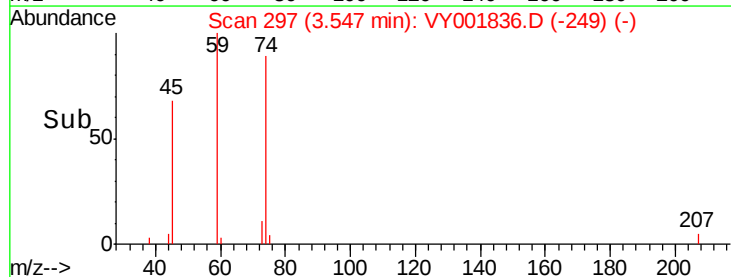
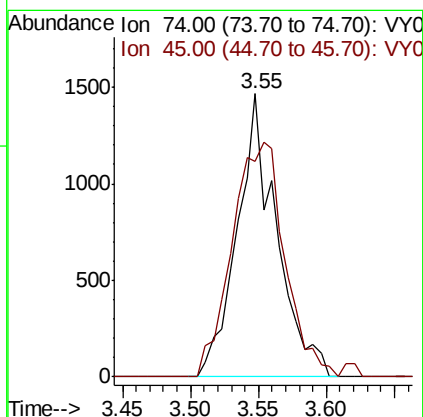
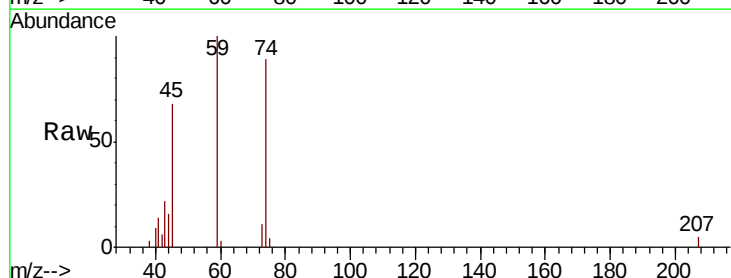
Tot Ion:101 Resp: 9705
Ion Ratio Lower Upper
101 100
103 70.9 52.2 78.2

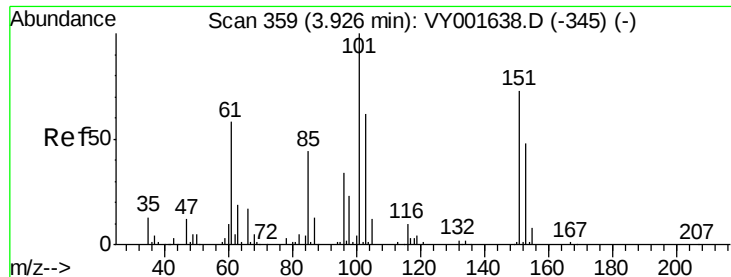


#8

Diethyl Ether
Concen: 2.717 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 74 Resp: 2961
Ion Ratio Lower Upper
74 100
45 111.1 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.021 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

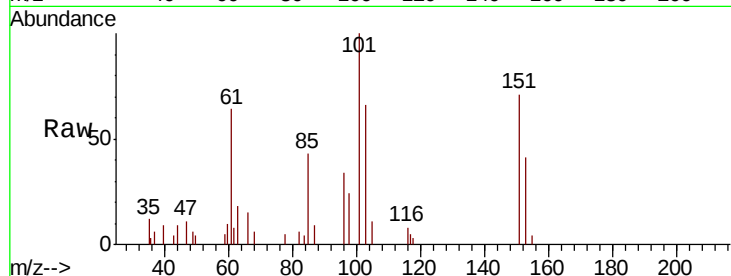
Tot Ion:101 Resp: 5249

Ion Ratio Lower Upper

101 100

85 46.8 35.1 52.7

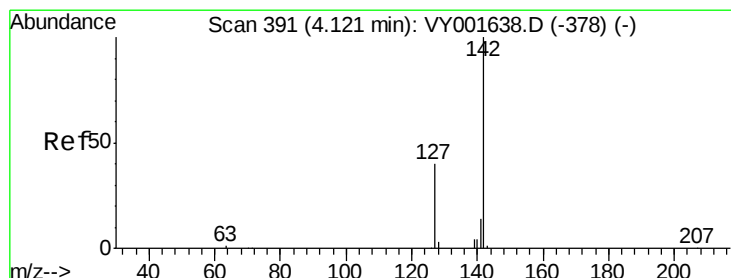
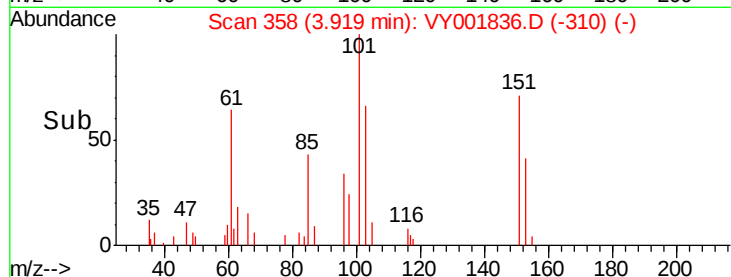
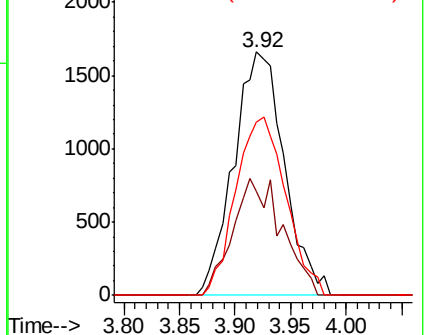
151 72.5 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.951 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

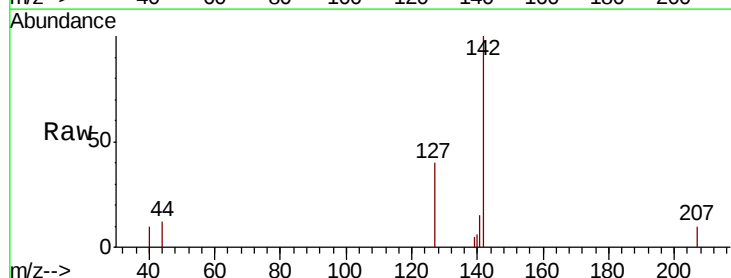
Tgt Ion:142 Resp: 4148

Ion Ratio Lower Upper

142 100

127 39.6 32.1 48.1

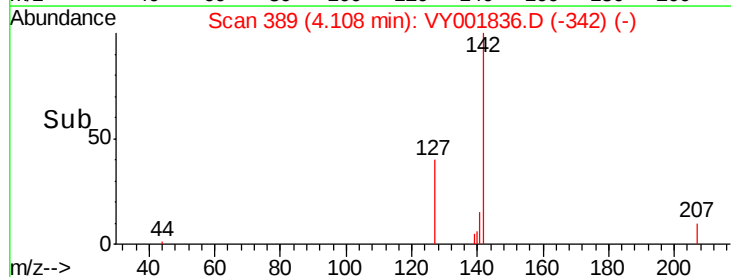
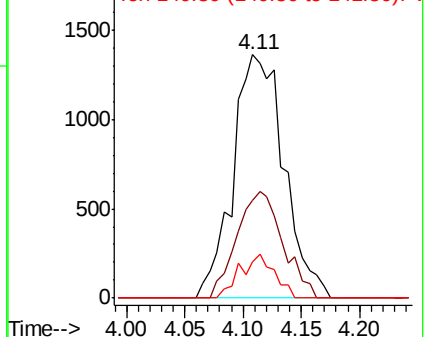
141 12.2 11.3 16.9

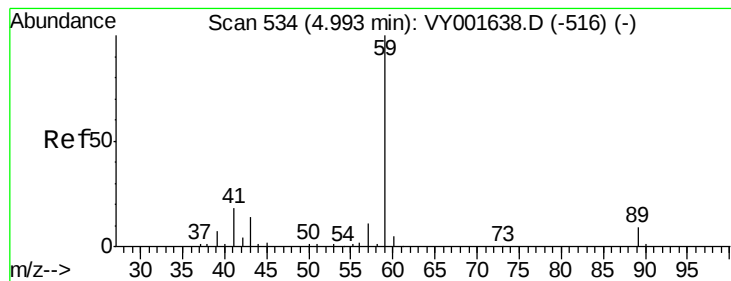


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



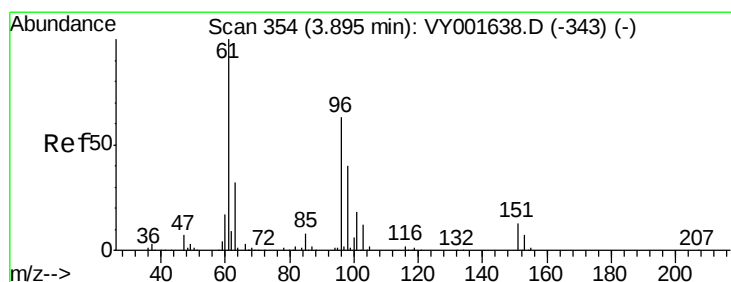
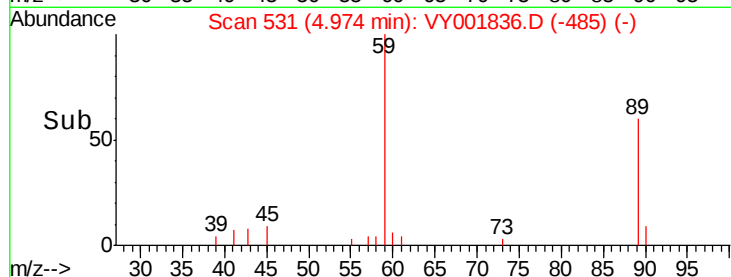
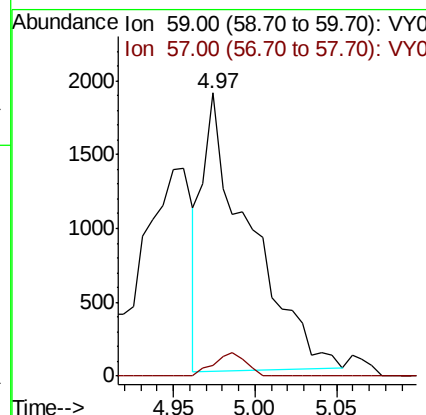
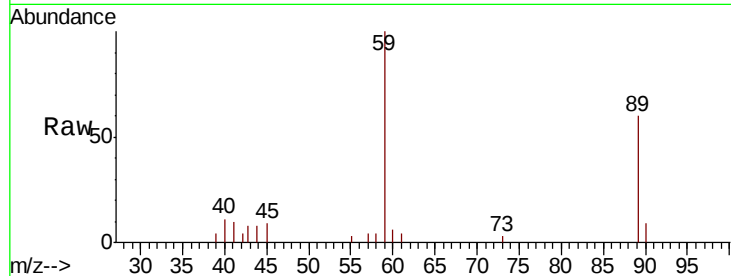


#11

Tert butyl alcohol
 Concen: 15.419 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

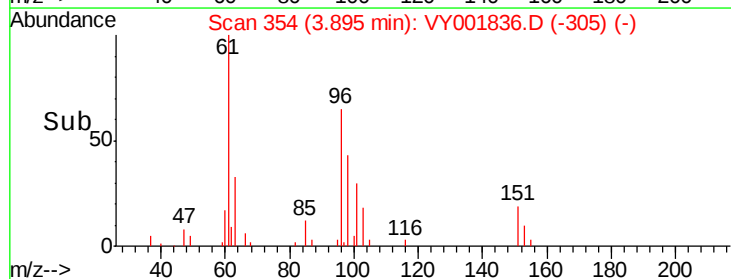
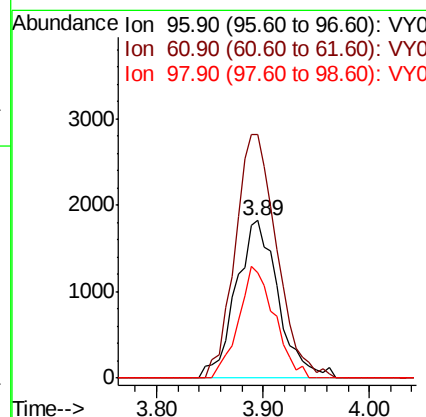
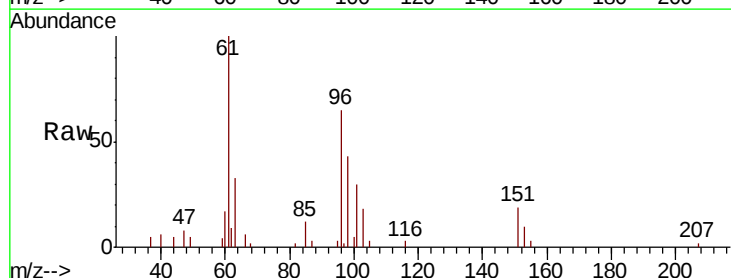
Tot Ion: 59 Resp: 3759
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.4 11.2#

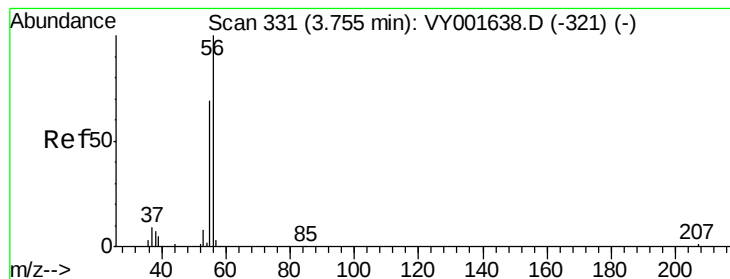


#12

1,1-Dichloroethene
 Concen: 2.861 ug/l
 RT: 3.89 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 96 Resp: 5071
 Ion Ratio Lower Upper
 96 100
 61 154.6 128.7 193.1
 98 67.2 50.7 76.1





#13

Acrolein

Concen: 10.528 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

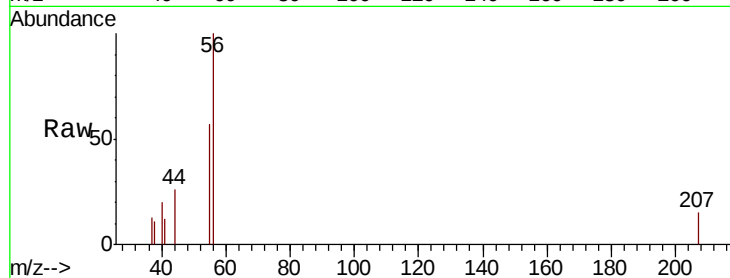
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 1868

Ion Ratio Lower Upper

56 100

55 59.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.75

600

400

200

0

Time-->

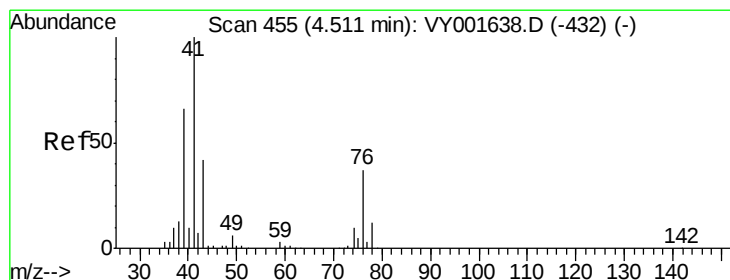
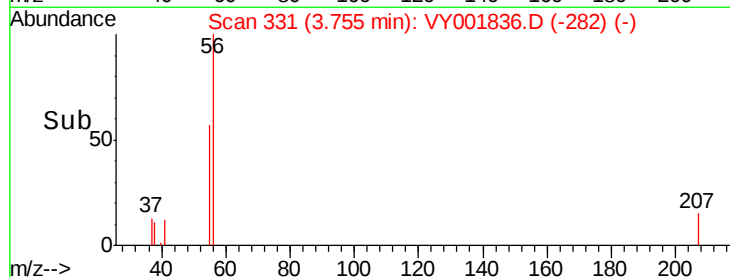
3.65

3.70

3.75

3.80

3.85



#14

Allyl chloride

Concen: 2.859 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

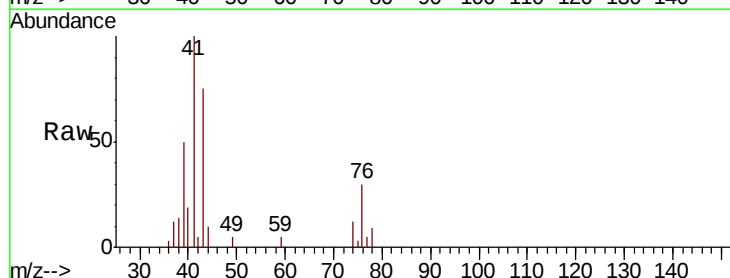
Tgt Ion: 41 Resp: 9017

Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.0

76 35.1 29.0 43.6



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

4.50

4000

3000

2000

1000

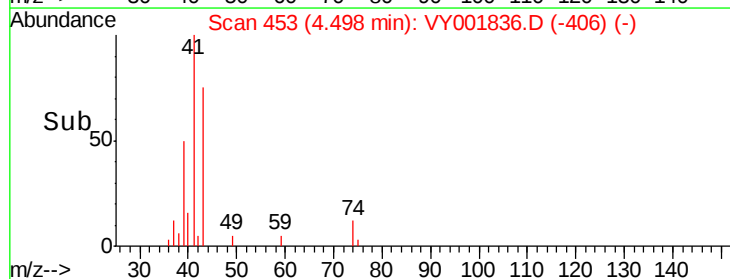
0

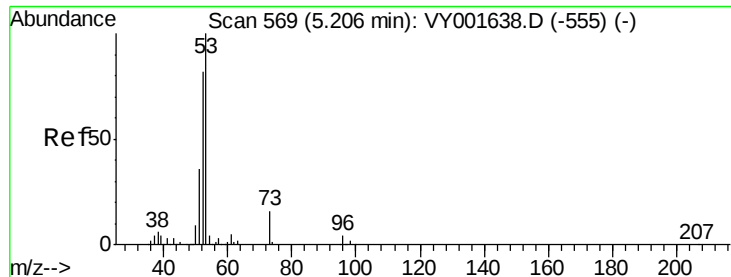
Time-->

4.40

4.50

4.60





#15

Acrylonitrile

Concen: 14.146 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

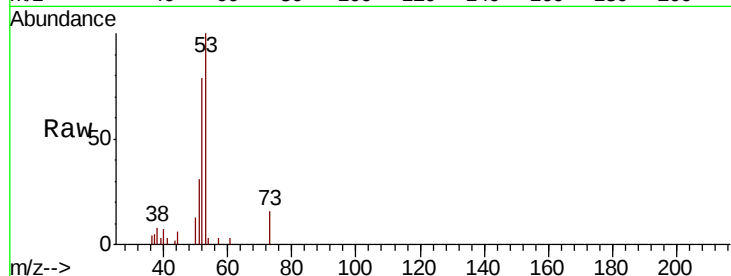
Tot Ion: 53 Resp: 7902

Ion Ratio Lower Upper

53 100

52 84.0 65.4 98.0

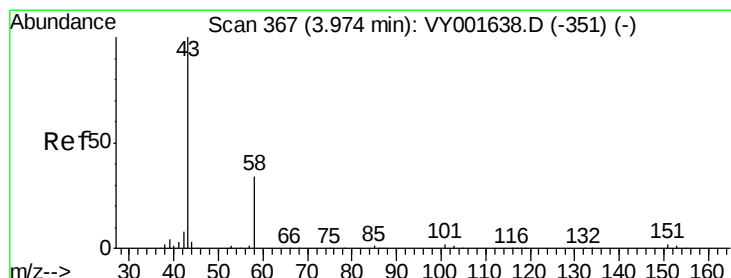
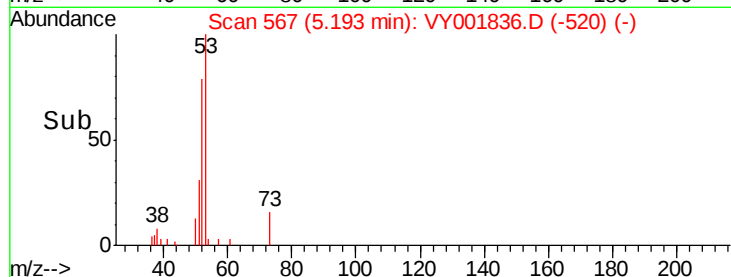
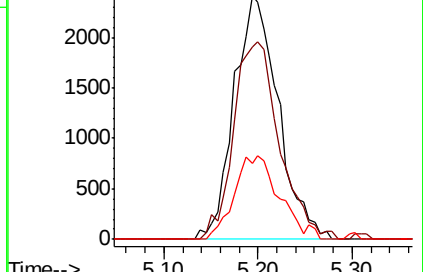
51 35.1 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY001836.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VY001836.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VY001836.D (-555) (-)



#16

Acetone

Concen: 13.782 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001836.D

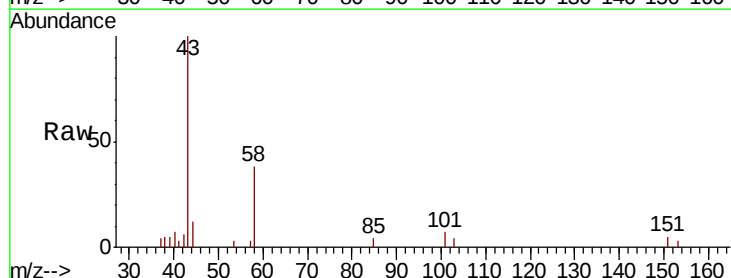
Acq: 03 Mar 2020 15:42

Tgt Ion: 43 Resp: 8378

Ion Ratio Lower Upper

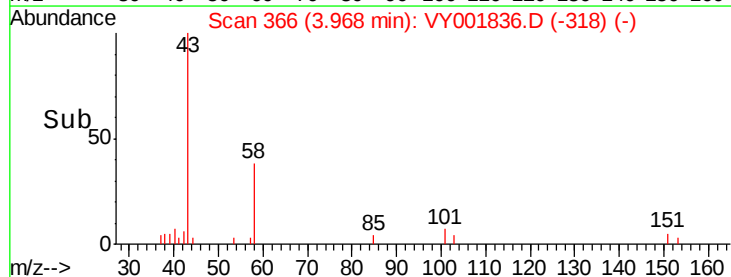
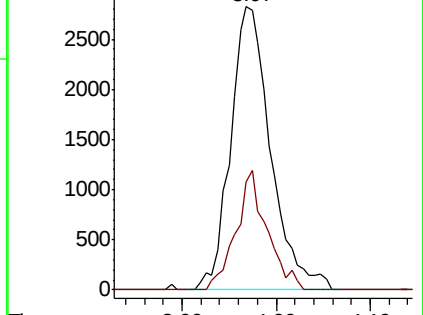
43 100

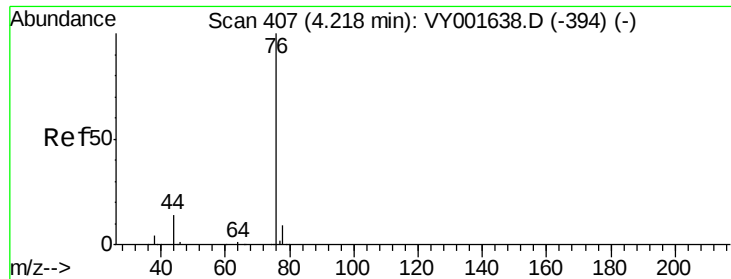
58 38.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001836.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001836.D (-351) (-)

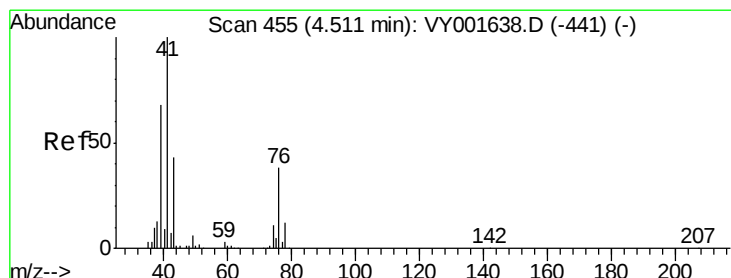
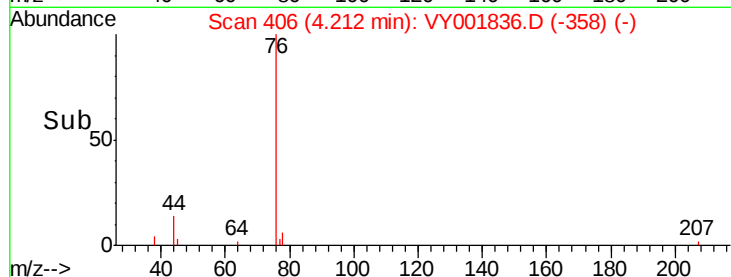
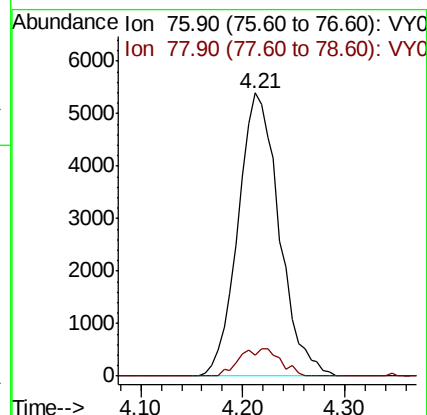
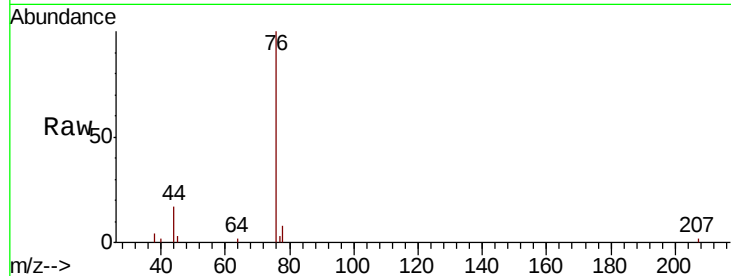




#17
Carbon Disulfide
Concen: 2.557 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

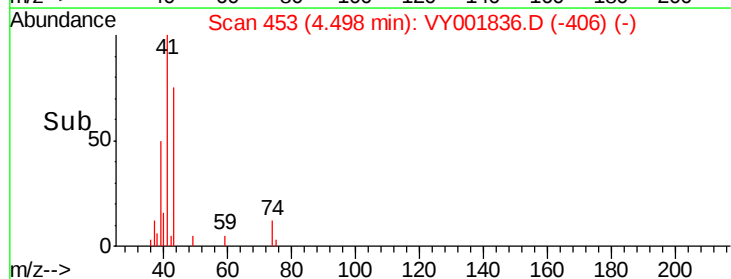
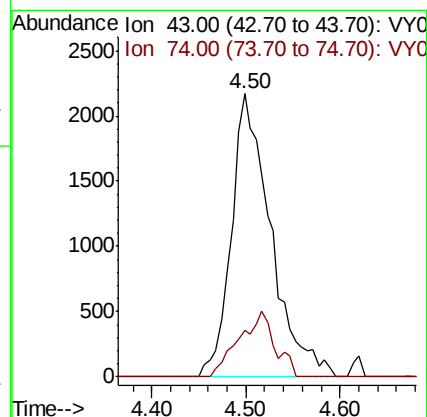
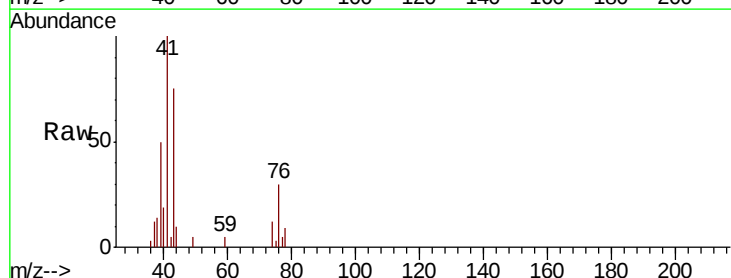
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

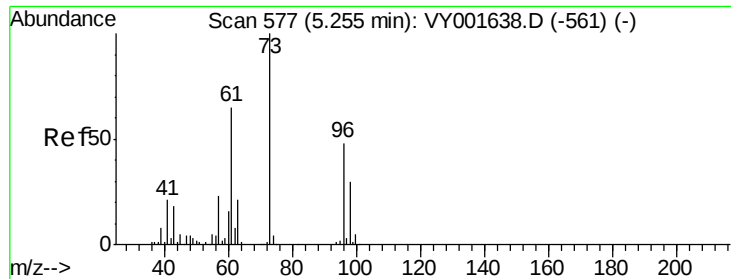
Tot Ion: 76 Resp: 15131
Ion Ratio Lower Upper
76 100
78 7.6 7.3 10.9



#18
Methyl Acetate
Concen: 4.773 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 43 Resp: 6319
Ion Ratio Lower Upper
43 100
74 21.1 19.1 28.7

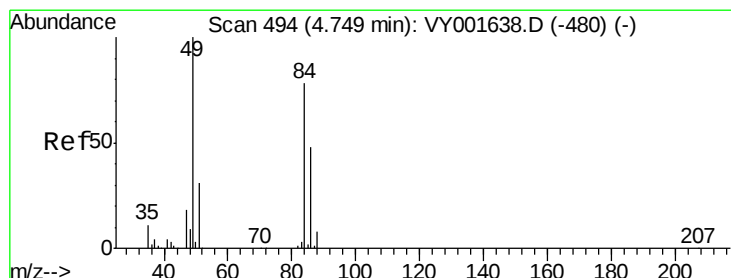
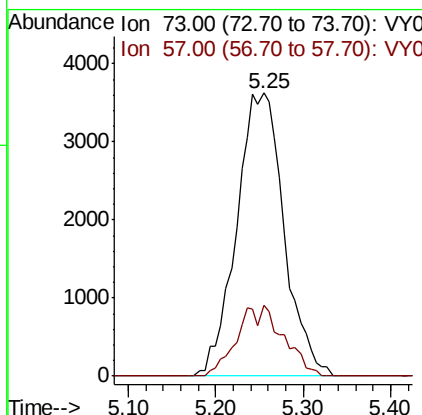
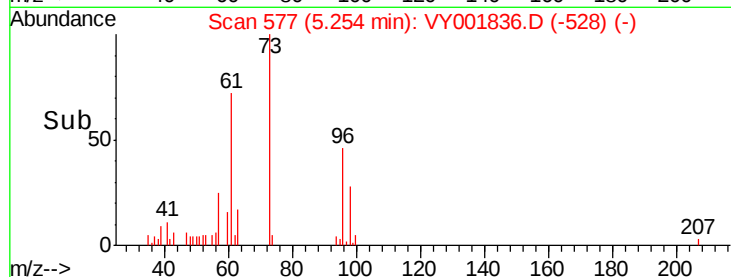
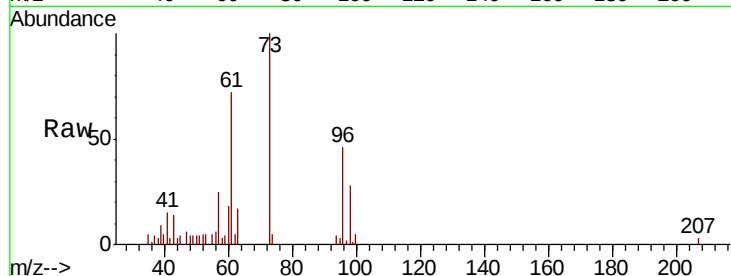




#19
Methvl tert-butvl Ether
Concen: 2.773 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

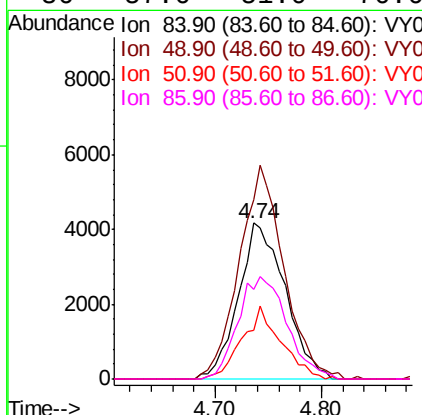
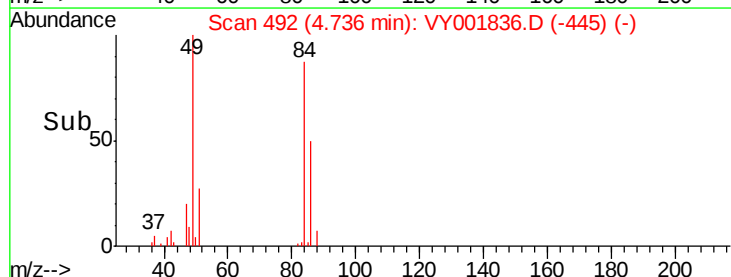
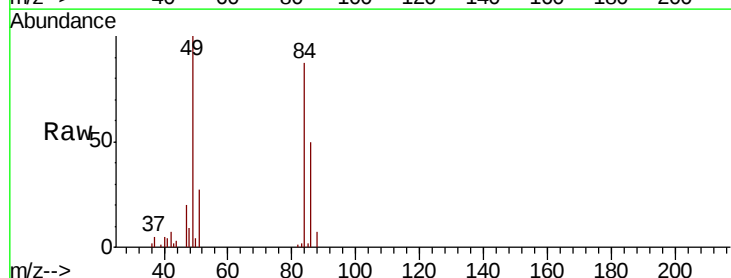
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

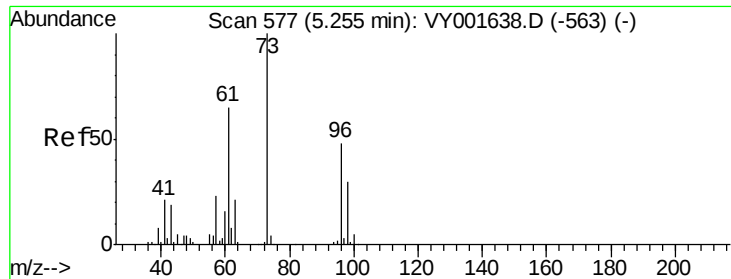
Tot Ion: 73 Resp: 13681
Ion Ratio Lower Upper
73 100
57 25.0 19.0 28.6



#20
Methylene Chloride
Concen: 5.946 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 84 Resp: 12839
Ion Ratio Lower Upper
84 100
49 114.9 99.2 148.8
51 31.5 31.5 47.3#
86 57.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.744 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

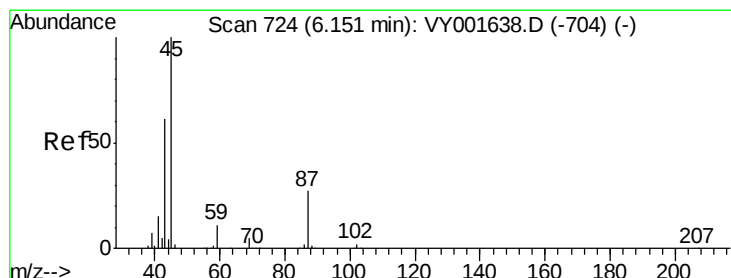
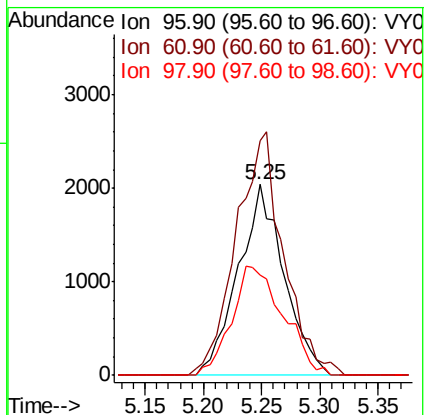
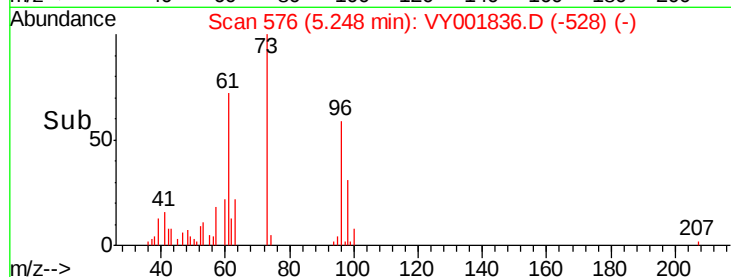
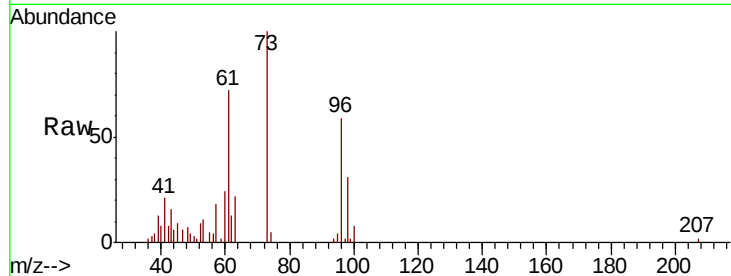
Tot Ion: 96 Resp: 5549

Ion Ratio Lower Upper

96 100

61 123.3 107.9 161.9

98 52.5 49.8 74.8



#22

Diisopropyl ether

Concen: 2.766 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Tgt Ion: 45 Resp: 17918

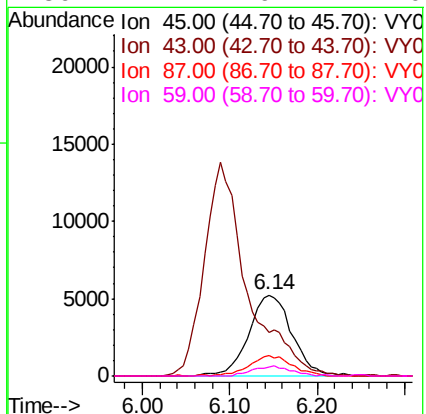
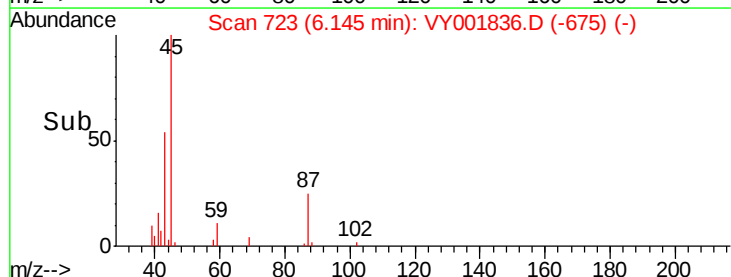
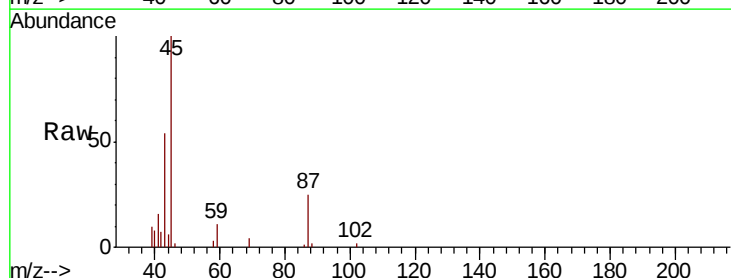
Ion Ratio Lower Upper

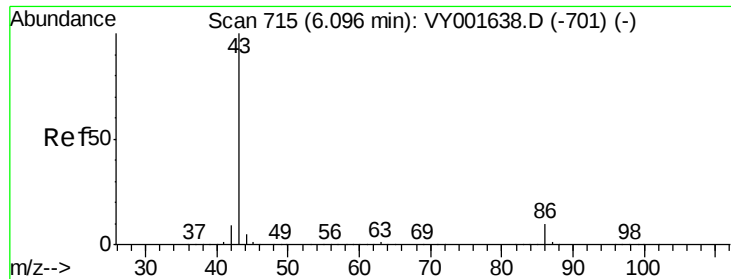
45 100

43 52.2 46.4 69.6

87 24.8 22.1 33.1

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 11.182 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

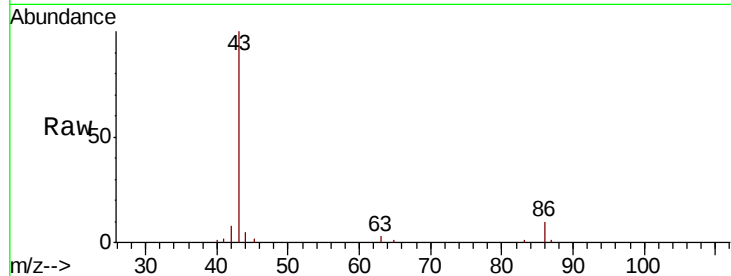
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 47246

Ion Ratio Lower Upper

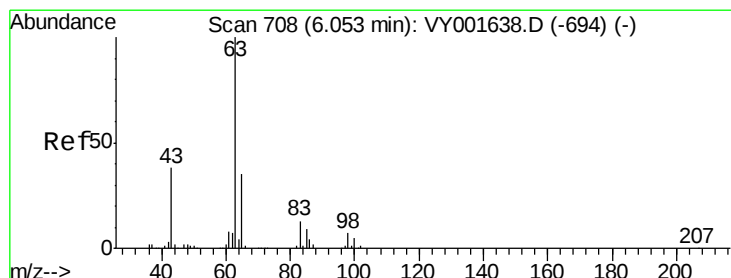
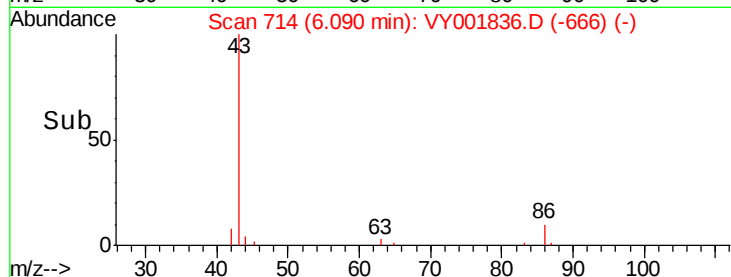
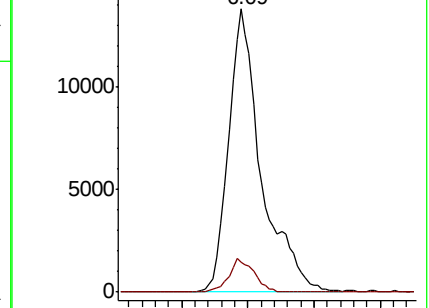
43 100

86 10.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.831 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

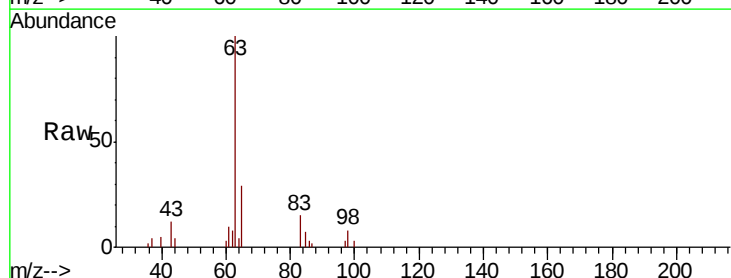
Tgt Ion: 63 Resp: 9801

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

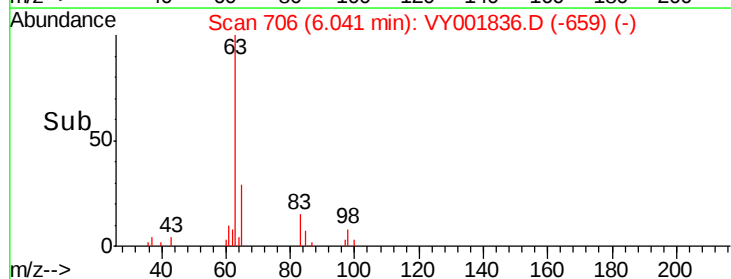
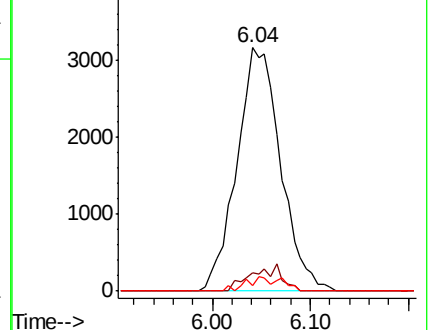
100 2.5 2.3 6.9

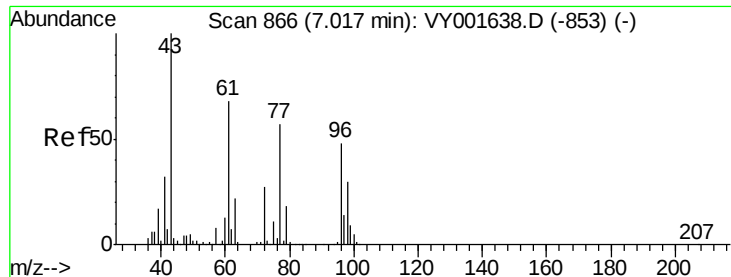


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 13.628 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

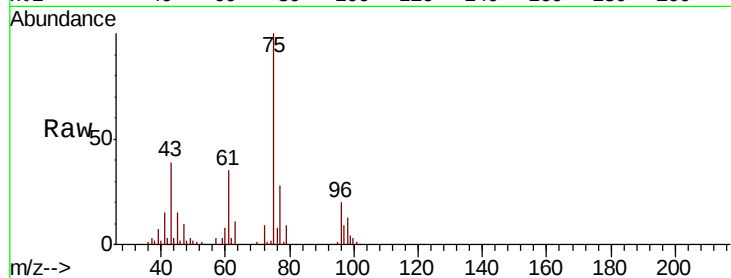
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 11254

Ion Ratio Lower Upper

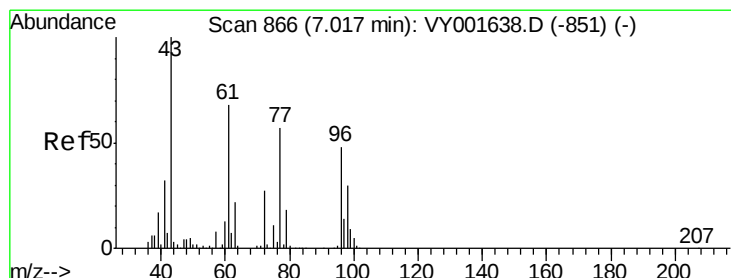
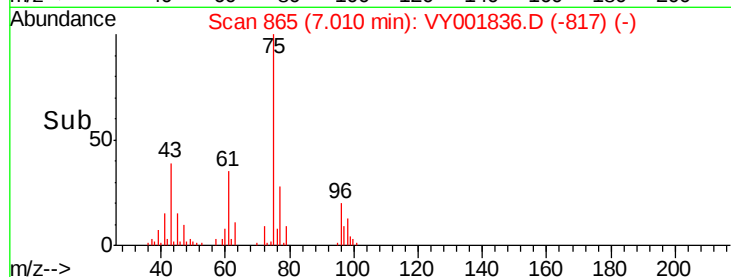
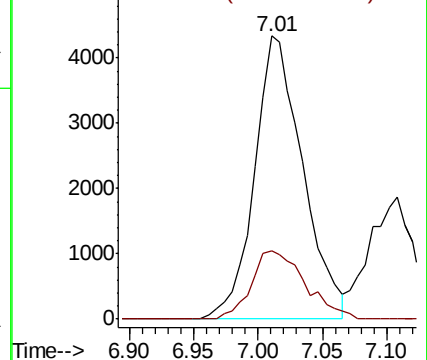
43 100

72 24.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.083 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001836.D

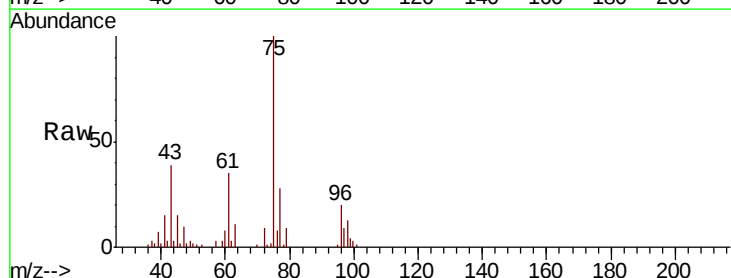
Acq: 03 Mar 2020 15:42

Tgt Ion: 77 Resp: 9286

Ion Ratio Lower Upper

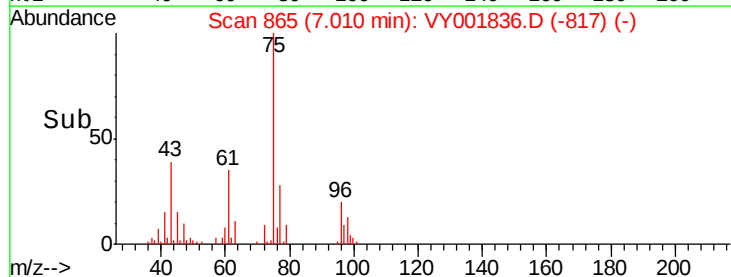
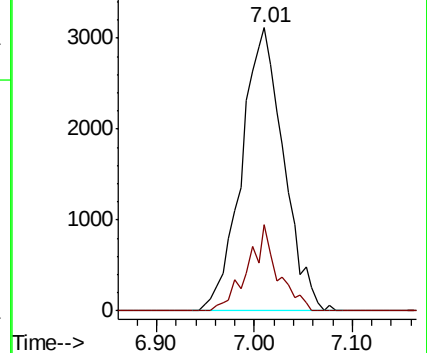
77 100

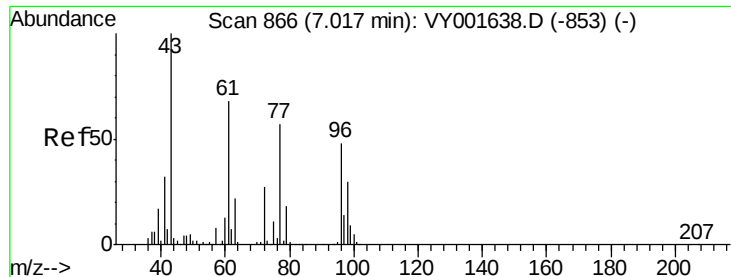
97 21.6 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



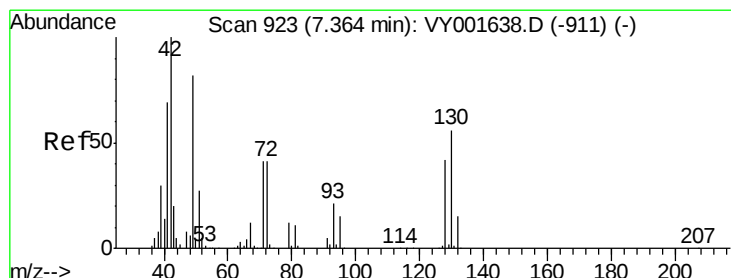
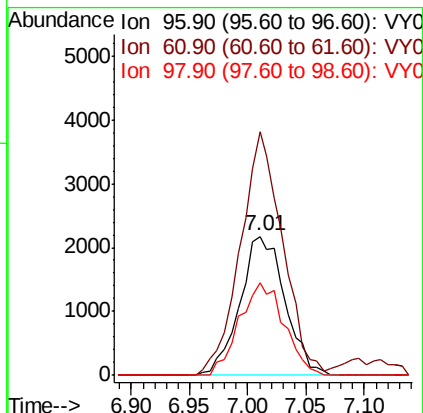
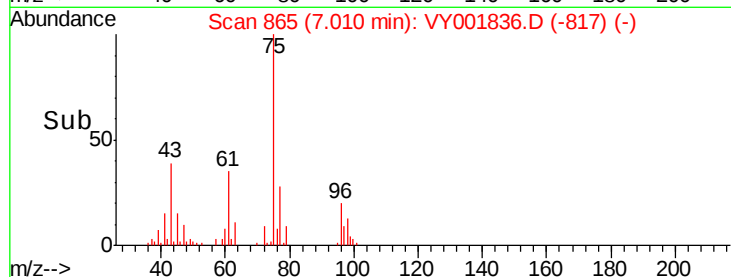
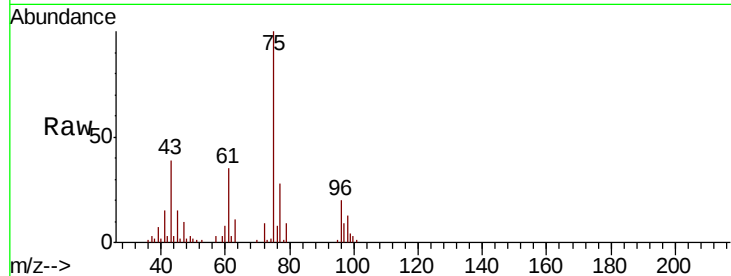


#27

cis-1,2-Dichloroethene
Concen: 2.627 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

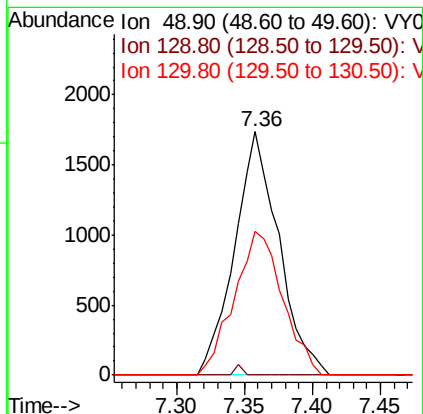
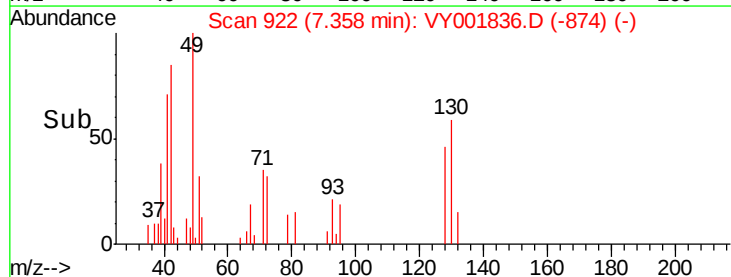
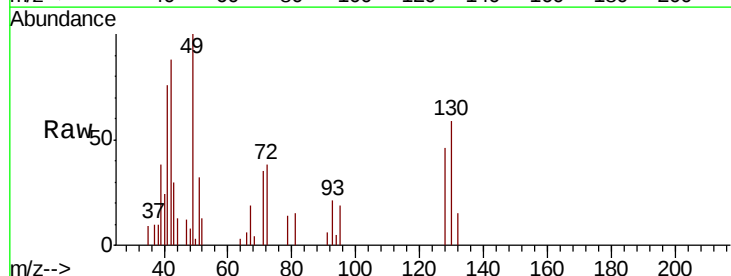
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	290.8
98	65.9	0.0	128.6

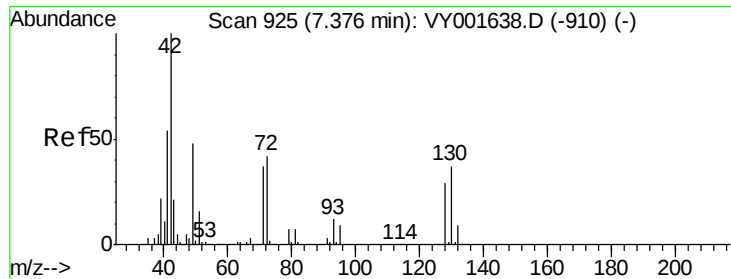


#28

Bromochloromethane
Concen: 2.731 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	64.6	56.2	84.4

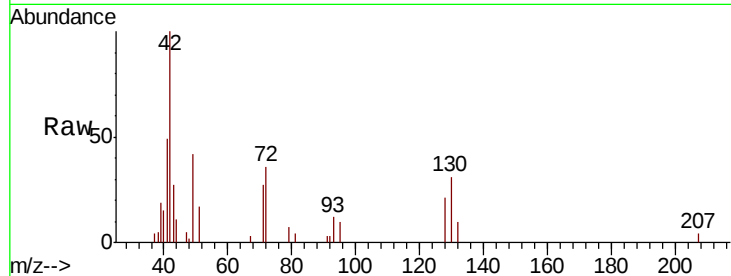




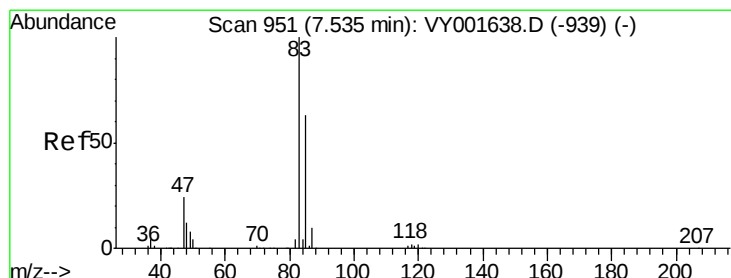
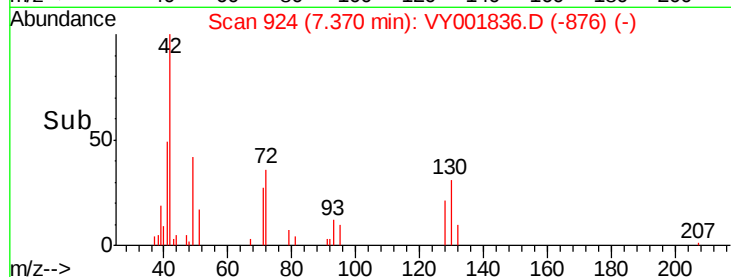
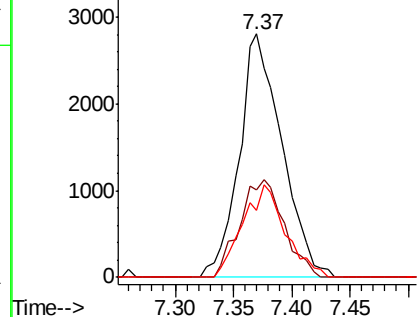
#29
Tetrahydrofuran
Concen: 14.303 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 42 Resp: 7139
Ion Ratio Lower Upper
42 100
72 41.3 34.4 51.6
71 37.9 31.8 47.8

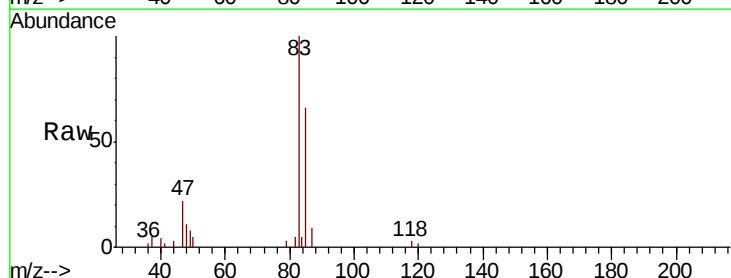


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

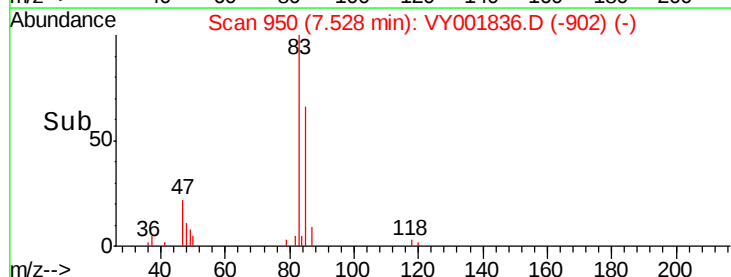
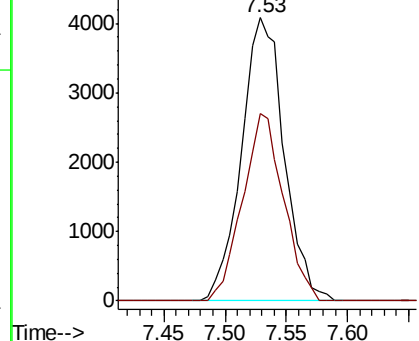


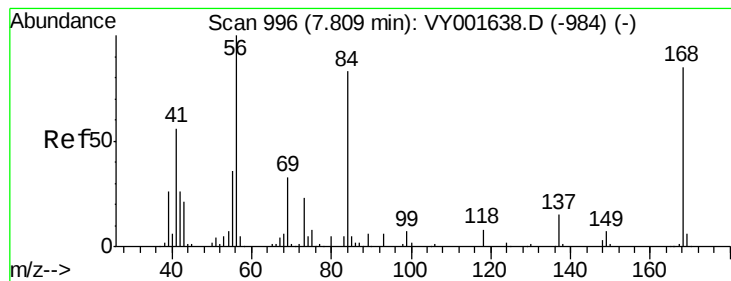
#30
Chloroform
Concen: 2.931 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 83 Resp: 9914
Ion Ratio Lower Upper
83 100
85 66.2 51.6 77.4



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





#31

Cyclohexane

Concen: 3.661 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

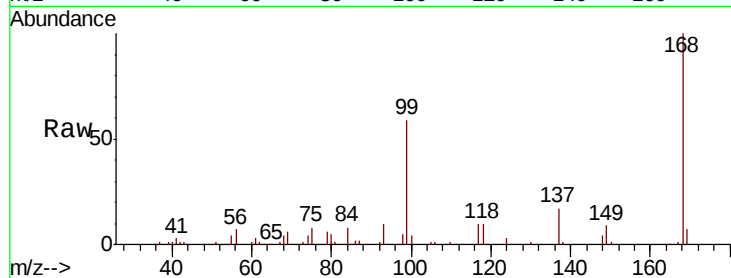
Tot Ion: 56 Resp: 13513

Ion Ratio Lower Upper

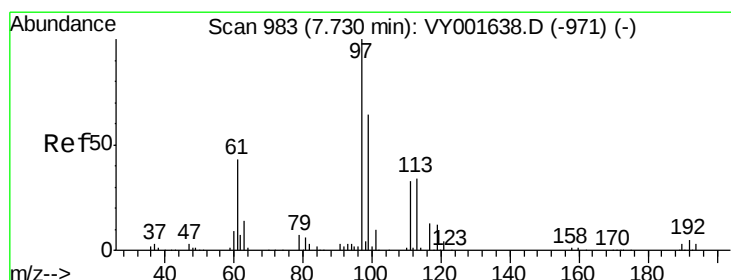
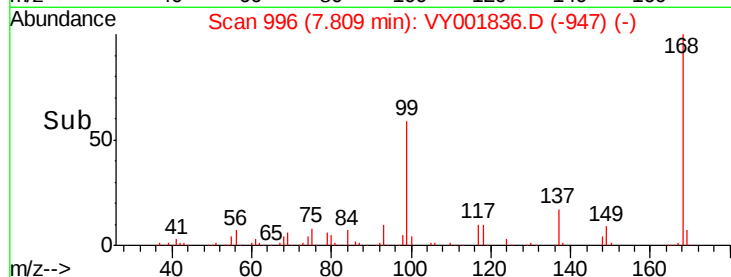
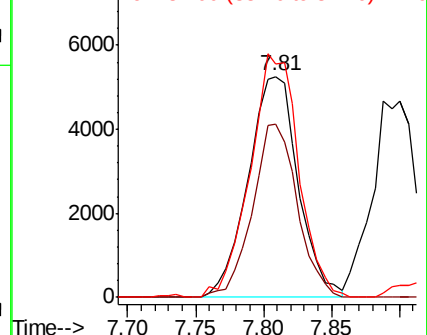
56 100

69 78.2 25.1 37.7#

84 105.8 66.9 100.3#



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



#32

1,1,1-Trichloroethane

Concen: 2.705 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

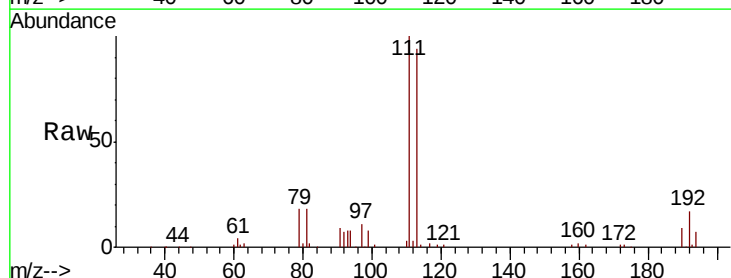
Tgt Ion: 97 Resp: 7690

Ion Ratio Lower Upper

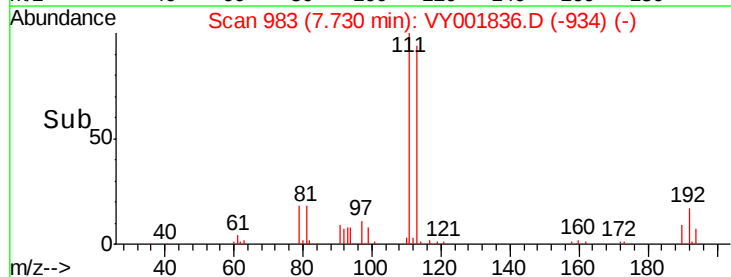
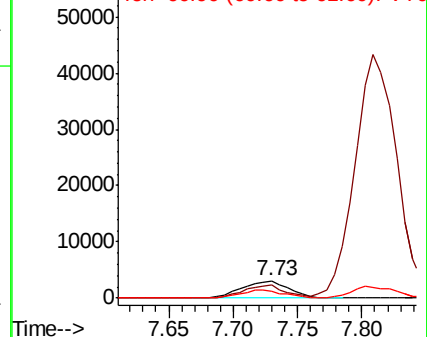
97 100

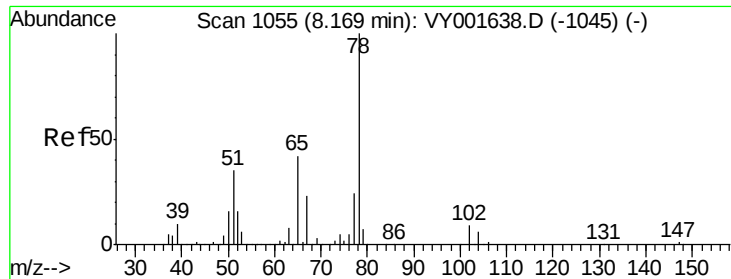
99 67.3 51.2 76.8

61 46.8 35.0 52.6



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

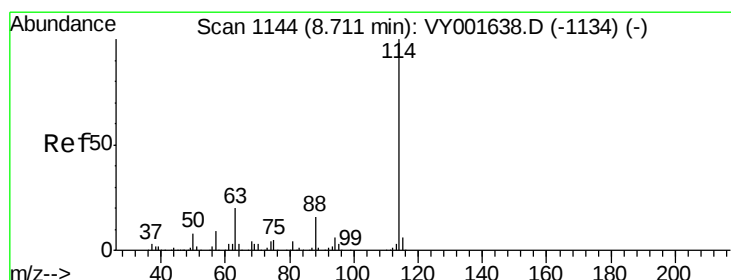
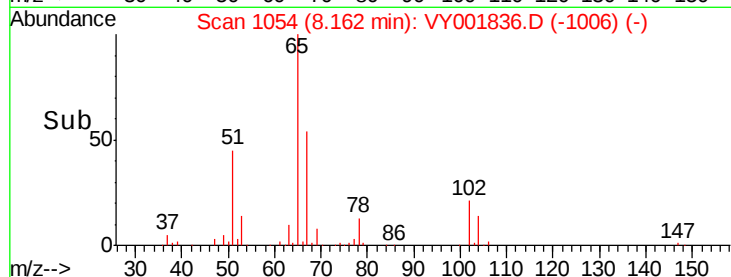
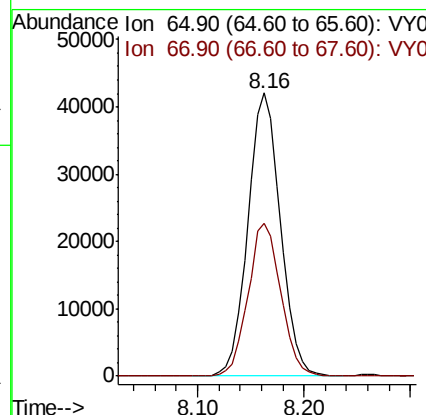
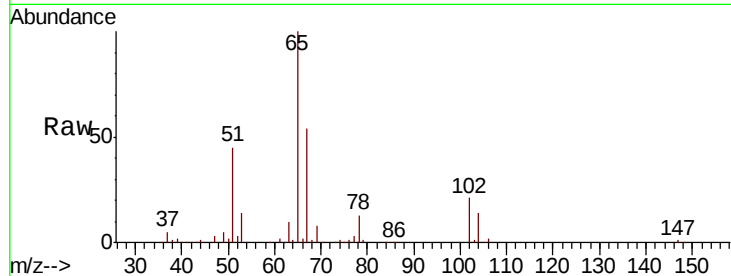




#33
 1,2-Dichloroethane-d4
 Concen: 51.284 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

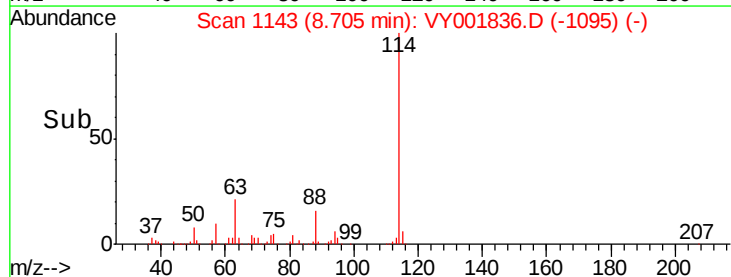
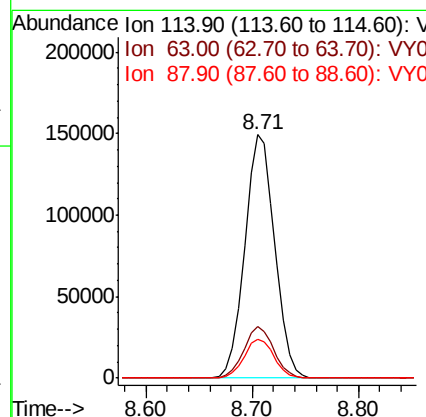
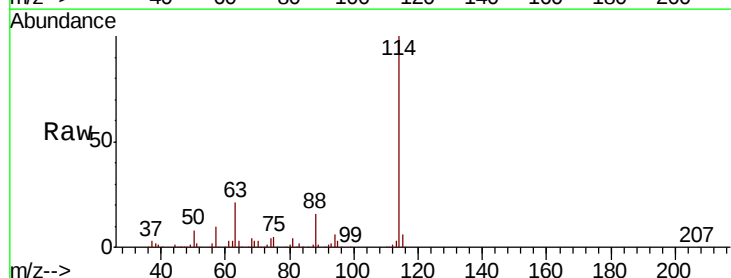
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

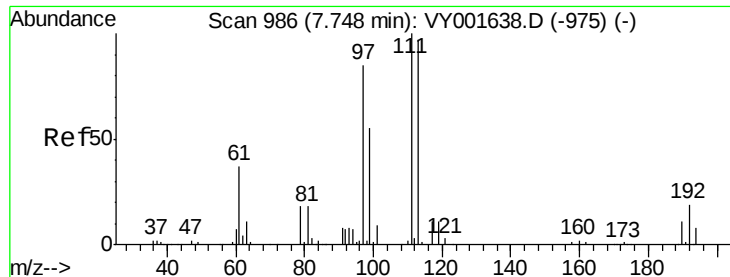
Tot Ion: 65 Resp: 90101
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 114 Resp: 294110
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.4
 88 16.0 0.0 32.8

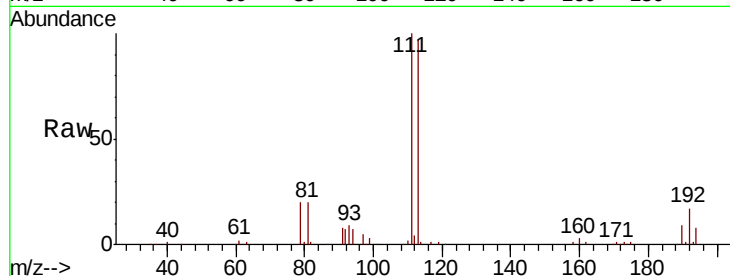




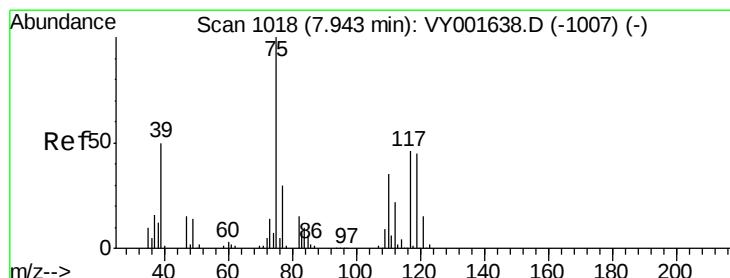
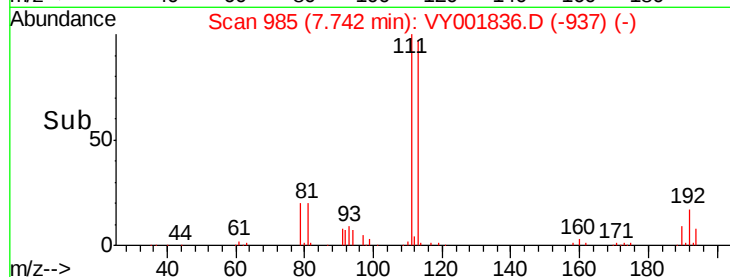
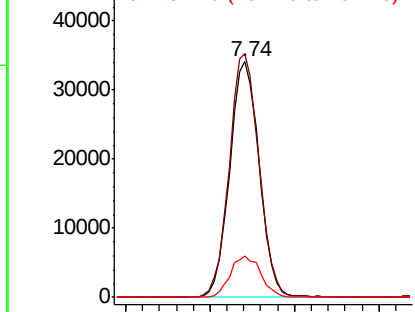
#35
 Dibromofluoromethane
 Concen: 48.134 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:113 Resp: 81084
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 18.0 14.3 21.5

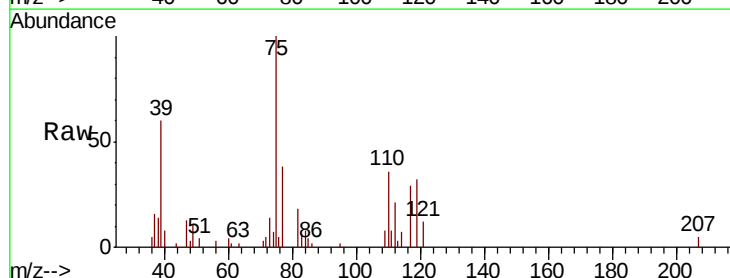


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

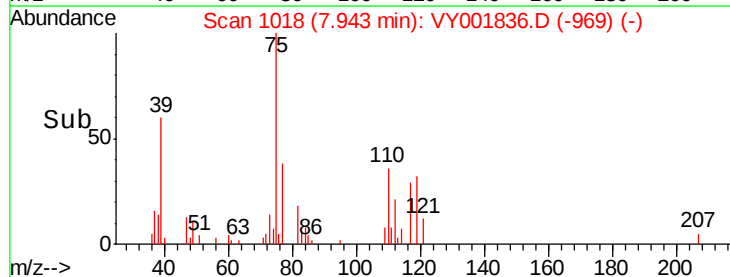
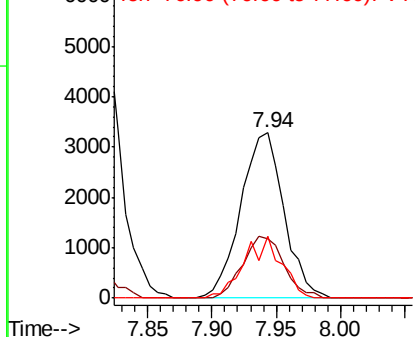


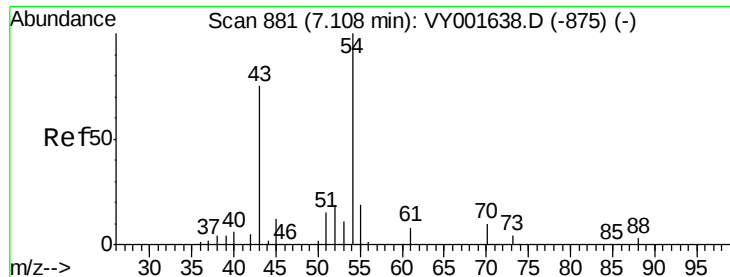
#36
 1,1-Dichloropropene
 Concen: 2.712 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 75 Resp: 7620
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.2 51.6
 77 32.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

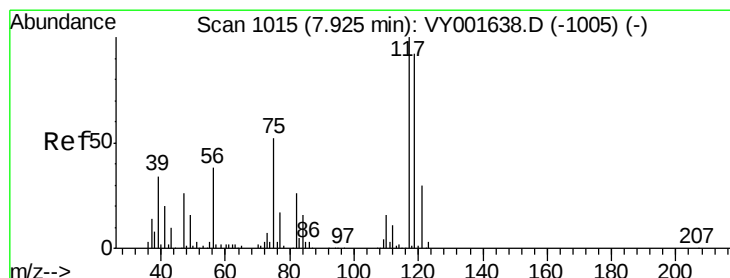
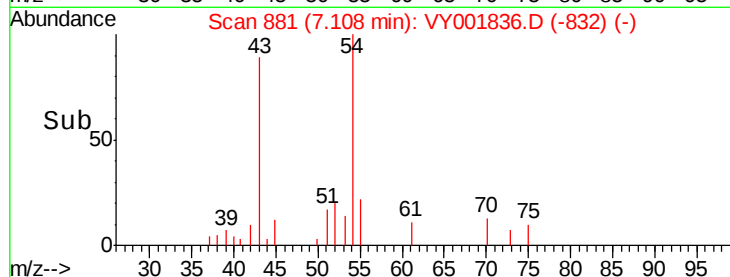
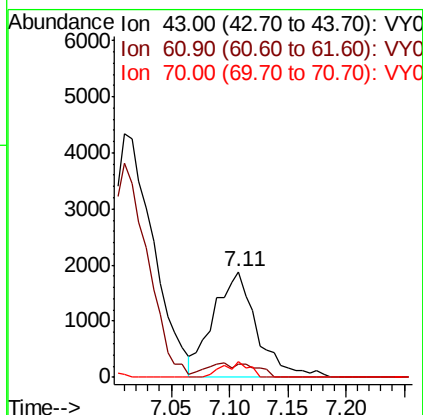
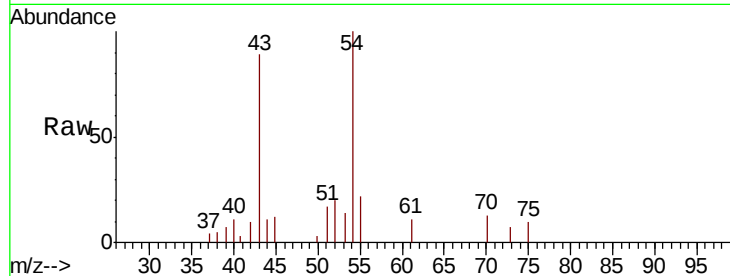




#37
Ethyl Acetate
Concen: 2.902 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

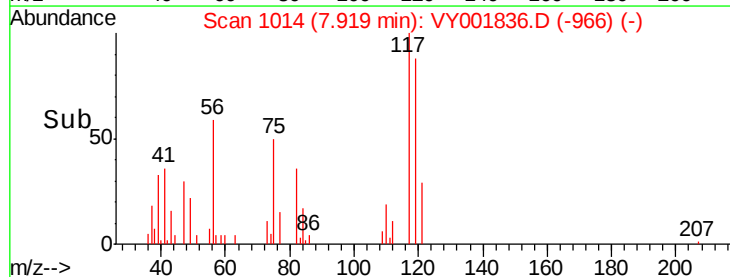
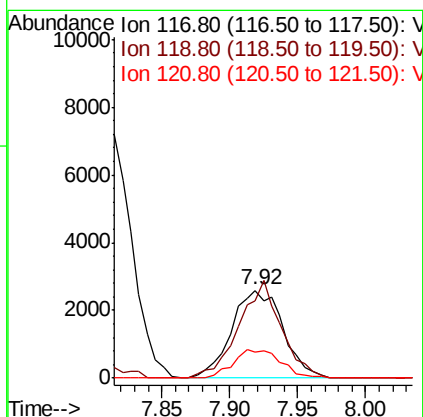
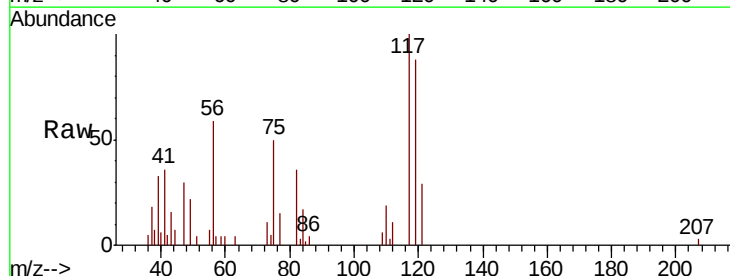
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

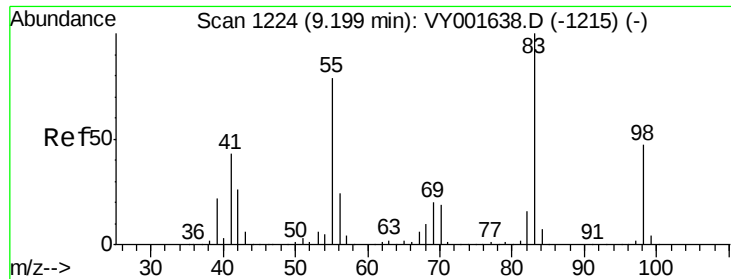
Tot Ion: 43 Resp: 4866
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 8.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 2.785 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 117 Resp: 6871
Ion Ratio Lower Upper
117 100
119 88.3 74.8 112.2
121 29.3 23.8 35.6

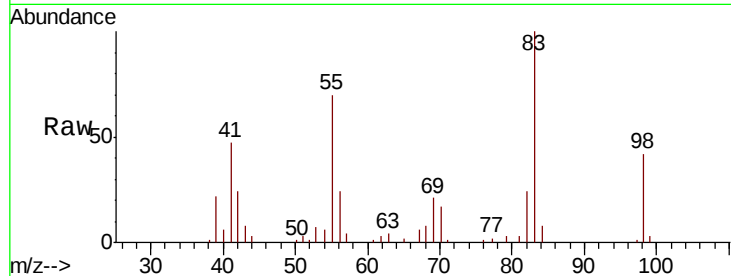




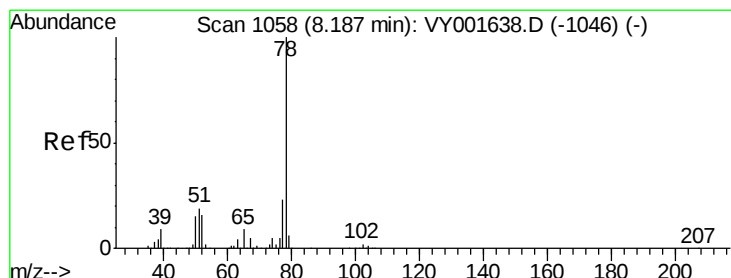
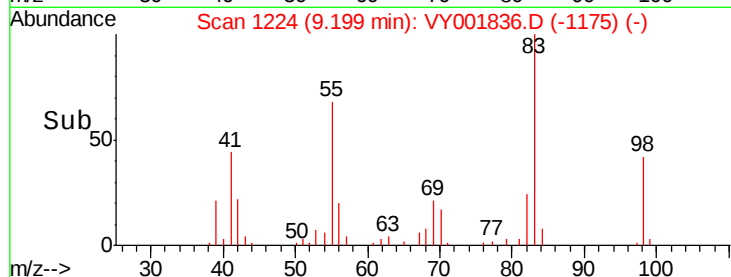
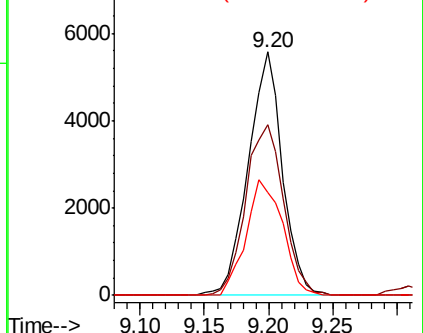
#39
Methvlcvclohexane
Concen: 2.732 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 83 Resp: 10184
Ion Ratio Lower Upper
83 100
55 70.0 61.3 91.9
98 42.4 38.0 57.0

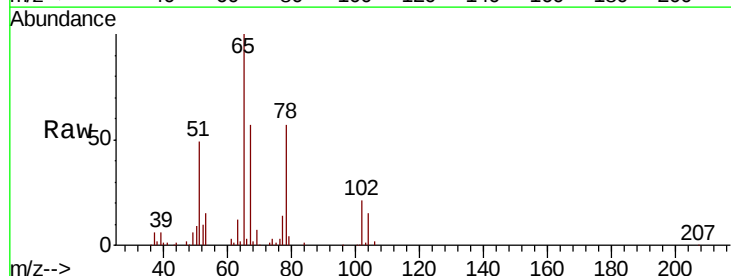


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

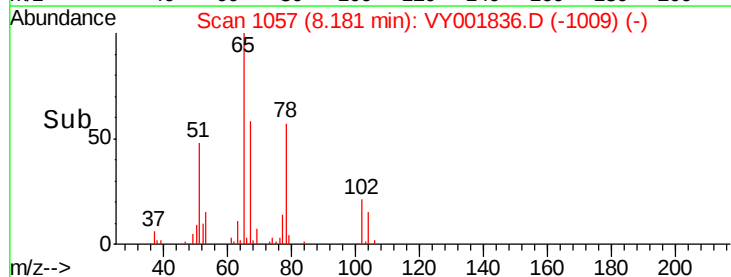
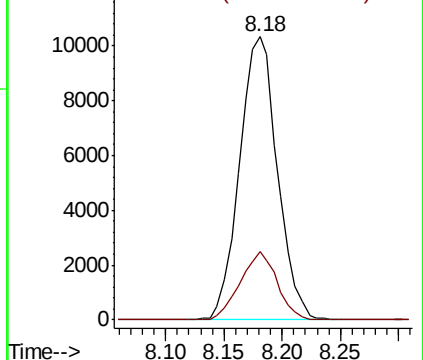


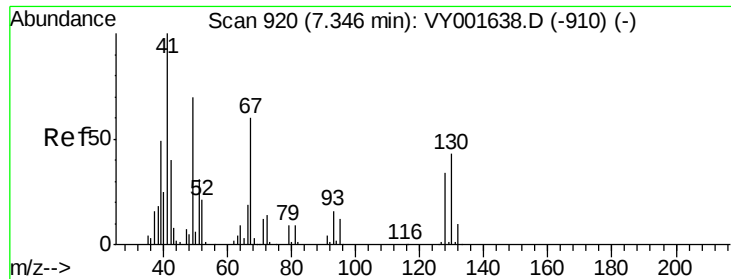
#40
Benzene
Concen: 2.833 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 78 Resp: 23411
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.4



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





#41

Methacrylonitrile

Concen: 2.219 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 41 Resp: 1868

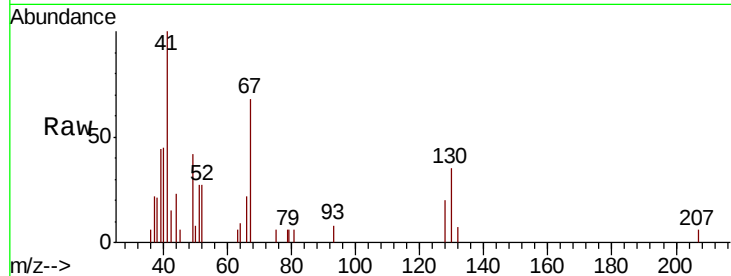
Ion Ratio Lower Upper

41 100

39 71.8 36.0 54.0#

67 99.3 0.0 0.0#

52 27.4 0.0 0.0#

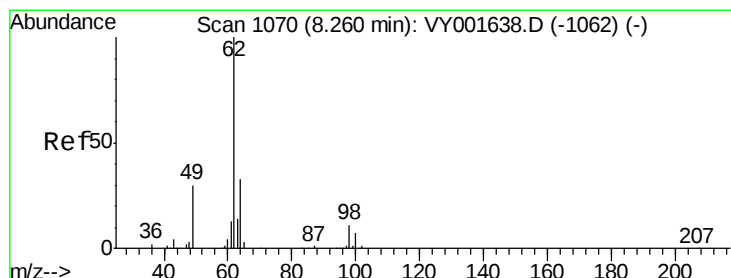
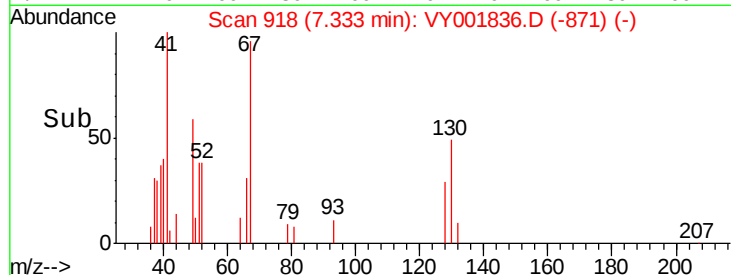
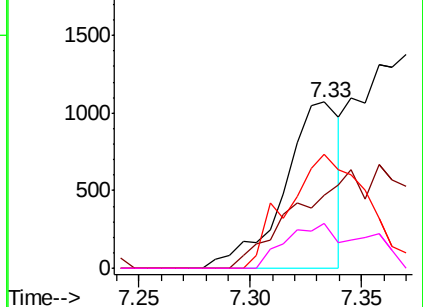


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 2.877 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY001836.D

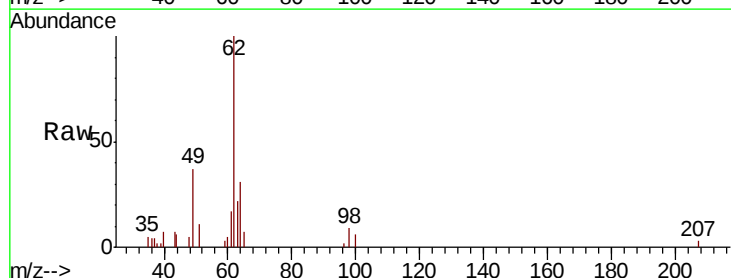
Acq: 03 Mar 2020 15:42

Tgt Ion: 62 Resp: 6477

Ion Ratio Lower Upper

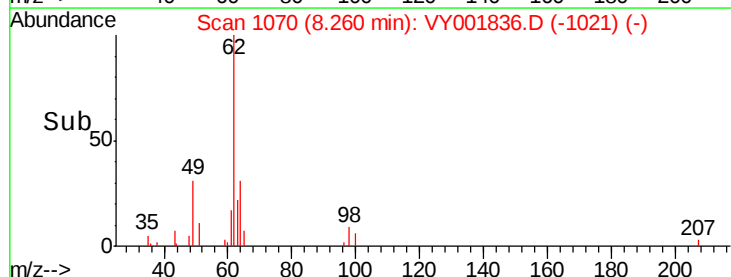
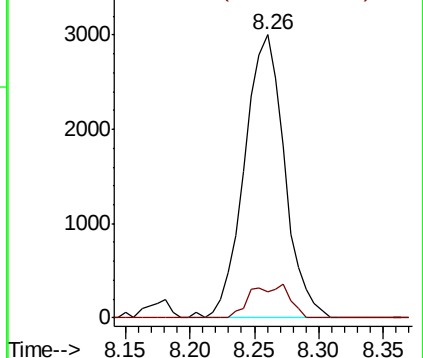
62 100

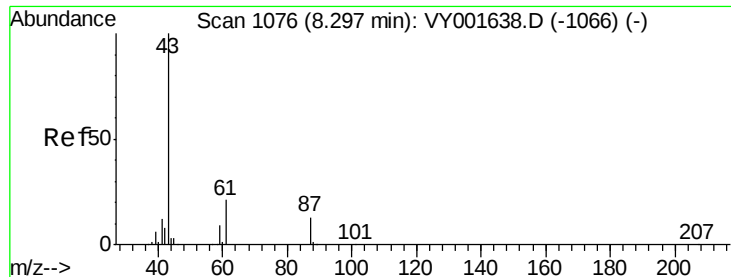
98 6.1 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 2.702 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

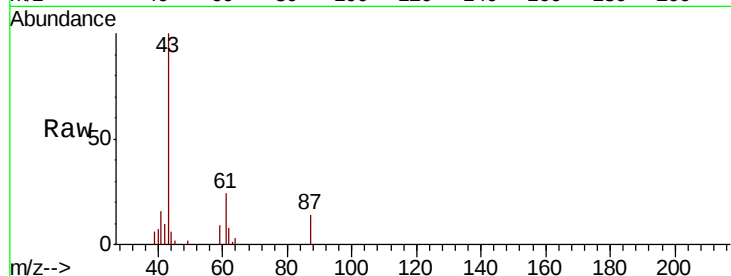
Tot Ion: 43 Resp: 8596

Ion Ratio Lower Upper

43 100

61 29.7 23.0 34.4

87 13.1 10.7 16.1

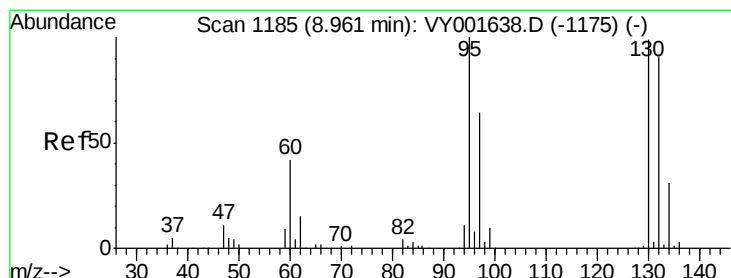
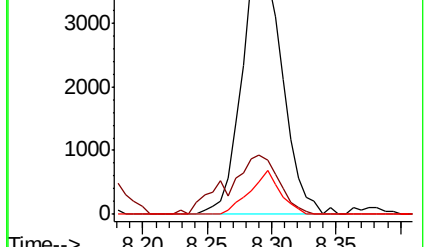
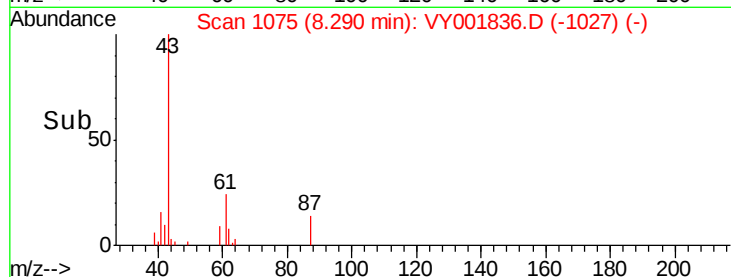


Abundance Ion 43.00 (42.70 to 43.70): VY001836.D (-1066) (-)

Ion 61.00 (60.70 to 61.70): VY001836.D (-1066) (-)

Ion 87.00 (86.70 to 87.70): VY001836.D (-1066) (-)

Time-->



#44

Trichloroethene

Concen: 2.676 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VY001836.D

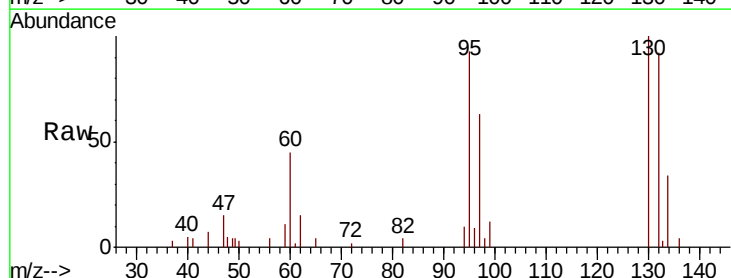
Acq: 03 Mar 2020 15:42

Tgt Ion: 130 Resp: 5519

Ion Ratio Lower Upper

130 100

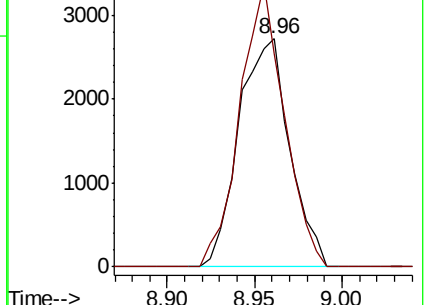
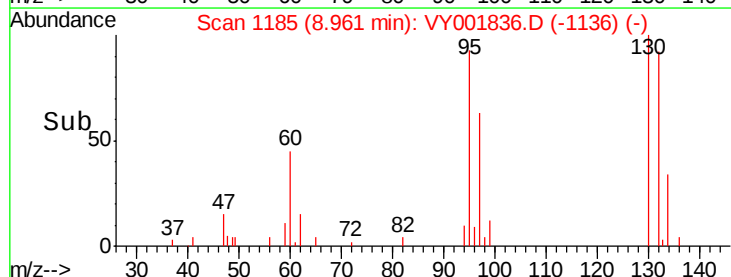
95 93.3 0.0 200.6

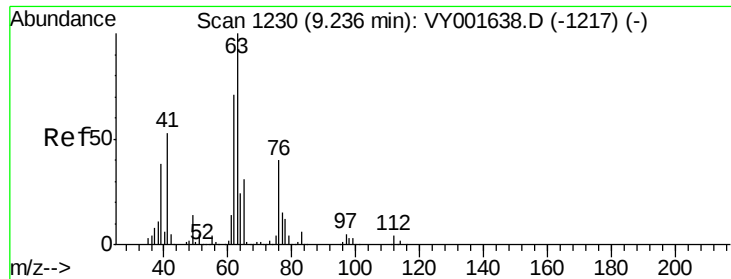


Abundance Ion 129.80 (129.50 to 130.50): VY001836.D (-1136) (-)

Ion 94.90 (94.60 to 95.60): VY001836.D (-1136) (-)

Time-->

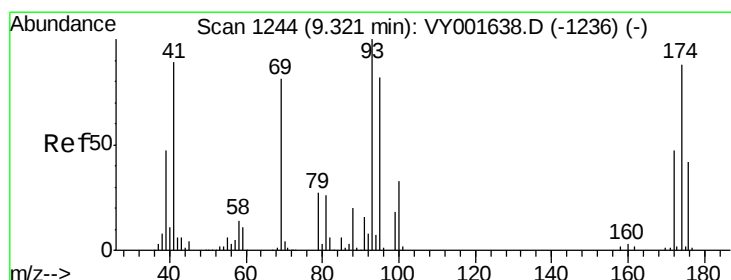
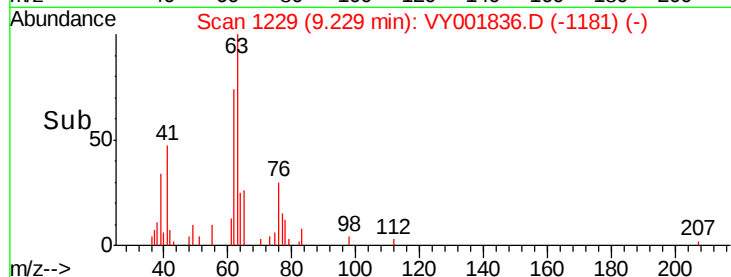
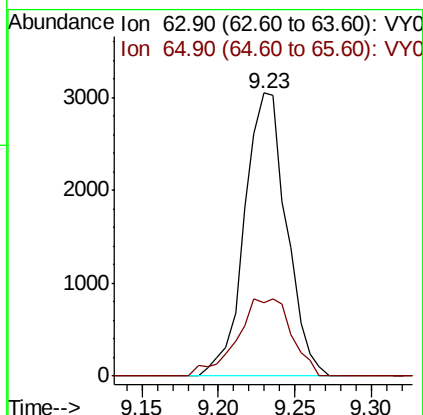
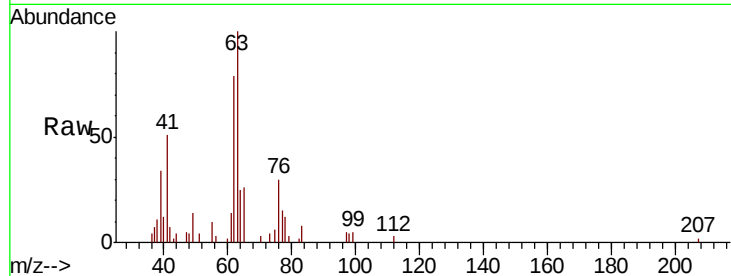




#45
 1,2-Dichloropropane
 Concen: 2.817 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

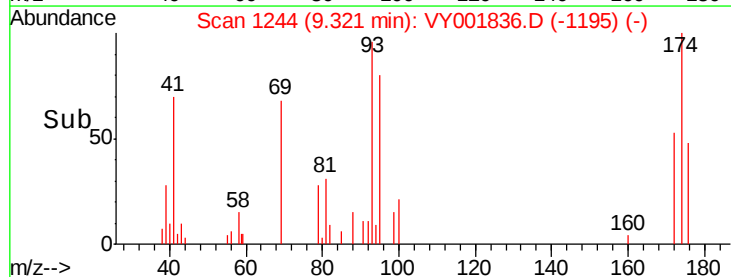
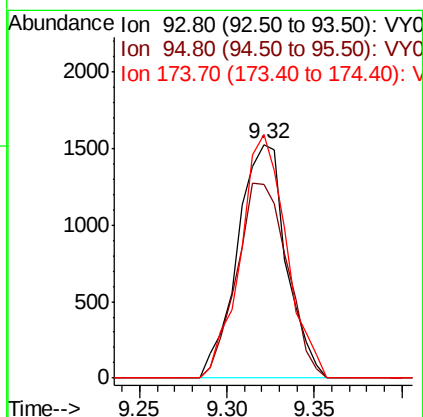
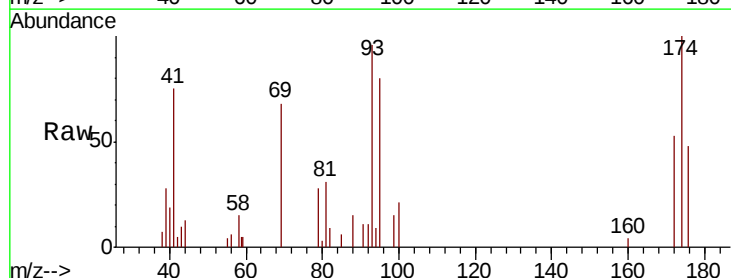
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

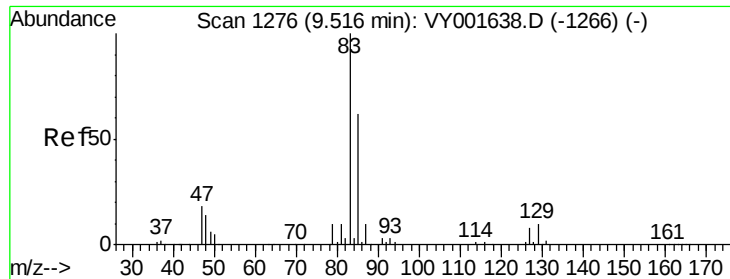
Tot Ion: 63 Resp: 5828
 Ion Ratio Lower Upper
 63 100
 65 26.2 24.6 37.0



#46
 Dibromomethane
 Concen: 2.737 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 93 Resp: 2962
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.1 99.1
 174 98.3 72.5 108.7





#47

Bromodichloromethane

Concen: 2.718 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

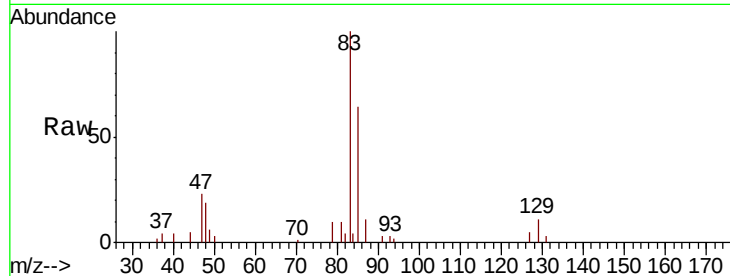
Tot Ion: 83 Resp: 7100

Ion Ratio Lower Upper

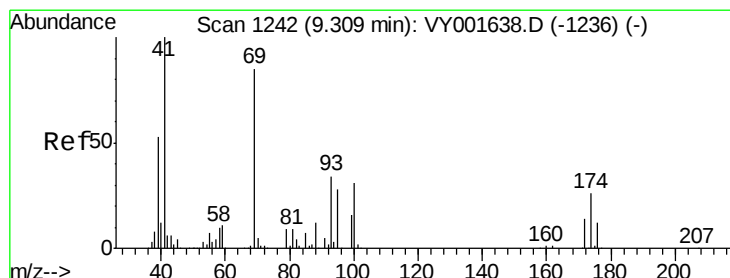
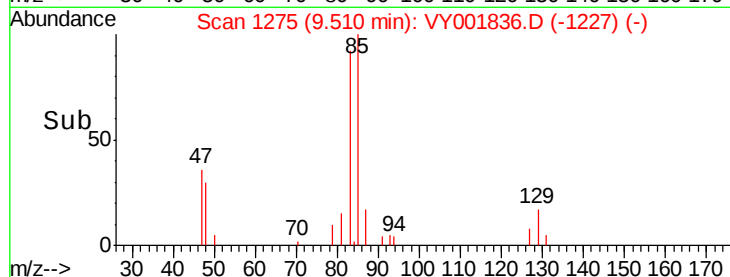
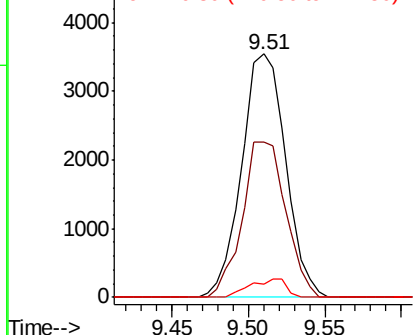
83 100

85 64.0 51.4 77.0

127 5.3 6.4 9.6#



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: 2.748 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

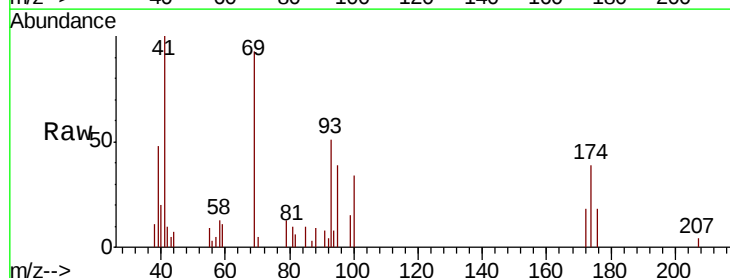
Tgt Ion: 41 Resp: 3954

Ion Ratio Lower Upper

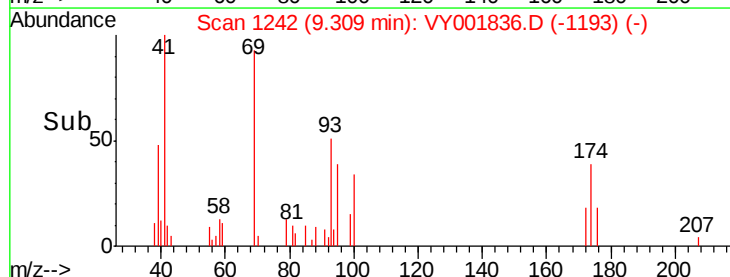
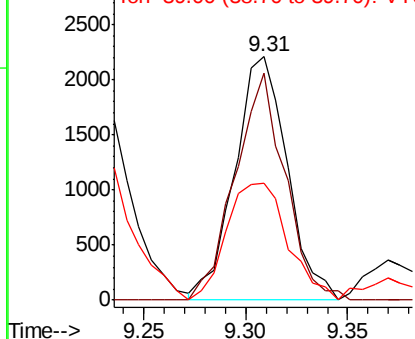
41 100

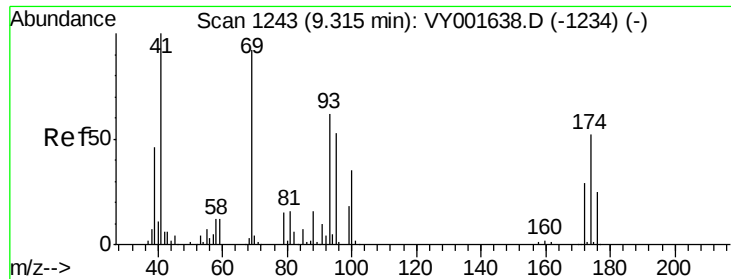
69 89.1 70.7 106.1

39 55.8 42.2 63.2



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

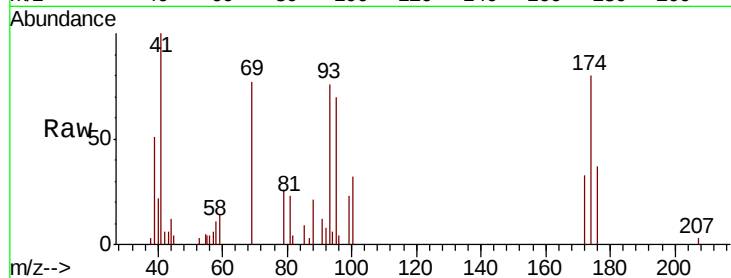




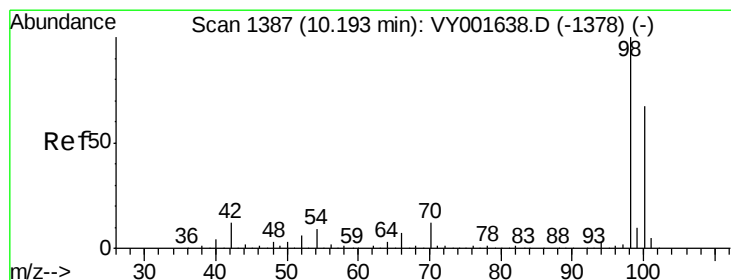
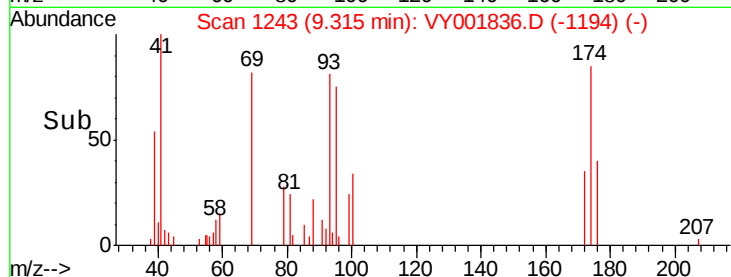
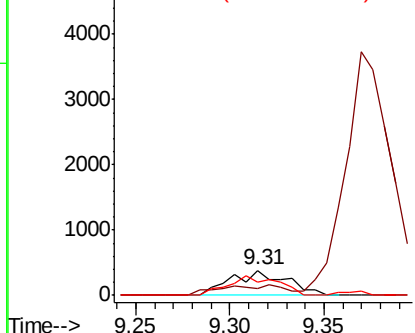
#49
1,4-Dioxane
Concen: 50.307 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 88 Resp: 769
Ion Ratio Lower Upper
88 100
43 50.6 23.1 34.7#
58 70.6 58.1 87.1

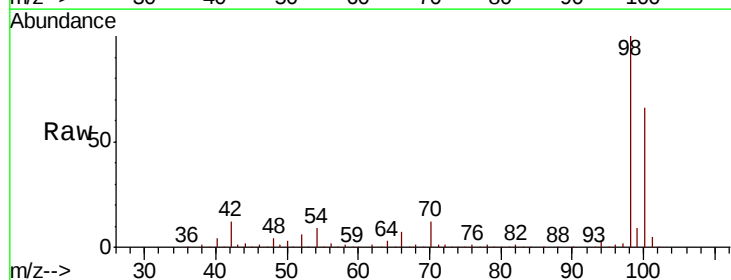


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

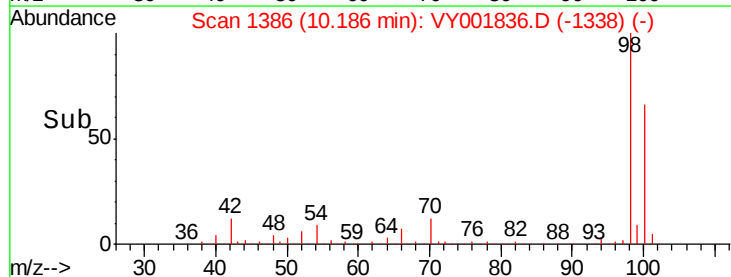
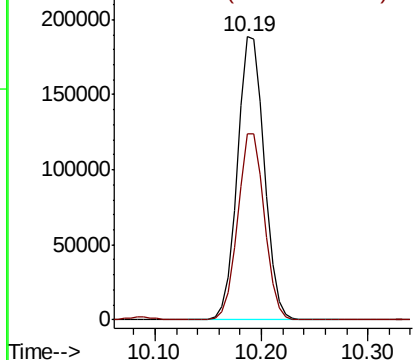


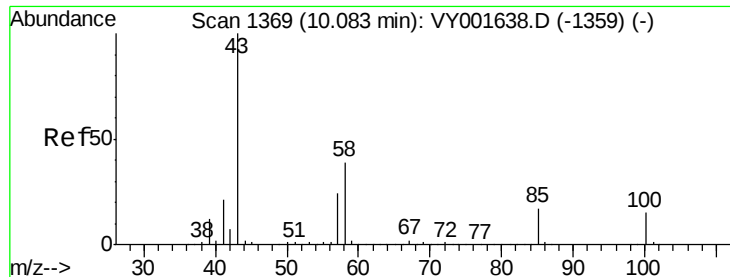
#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 98 Resp: 333273
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 13.172 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

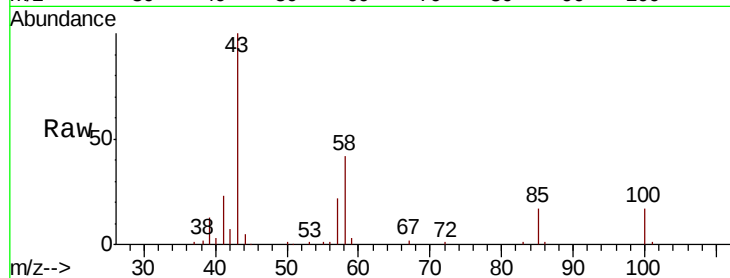
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 21531

Ion Ratio Lower Upper

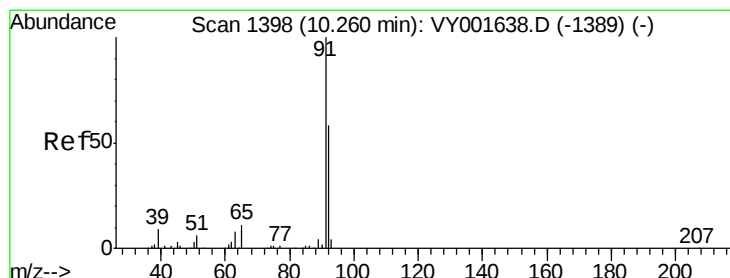
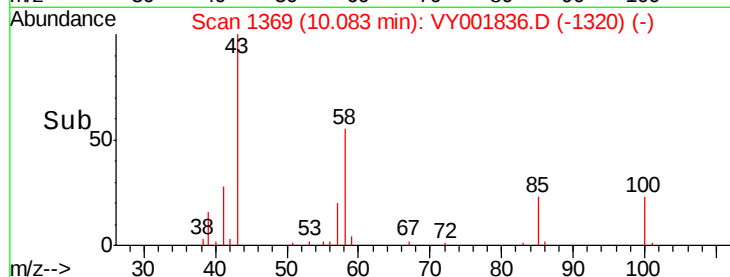
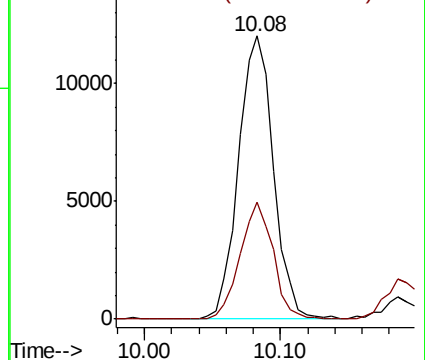
43 100

58 38.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 2.804 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001836.D

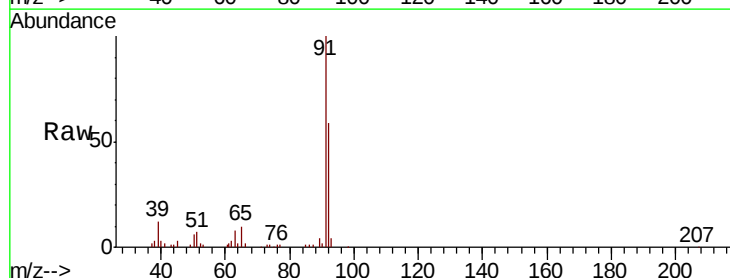
Acq: 03 Mar 2020 15:42

Tgt Ion: 92 Resp: 14450

Ion Ratio Lower Upper

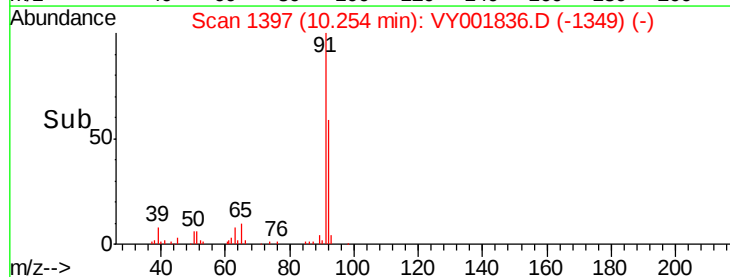
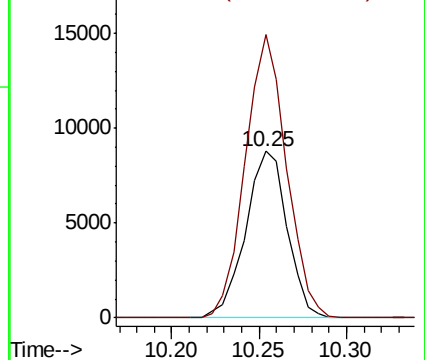
92 100

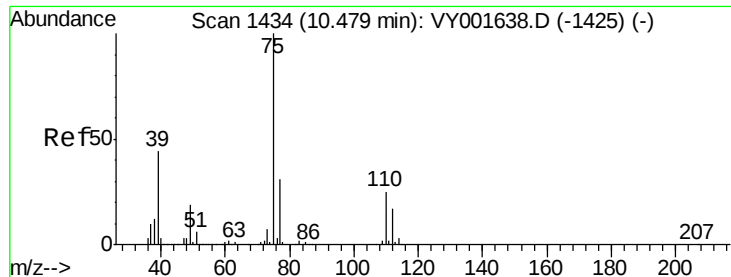
91 168.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.407 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

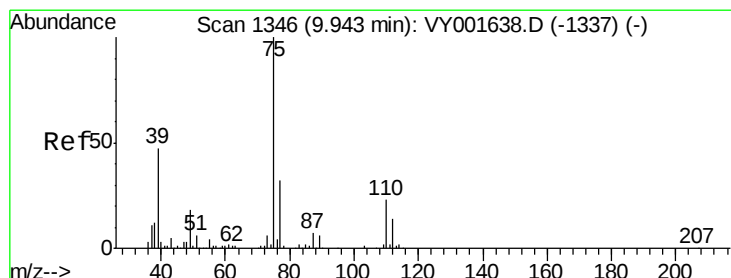
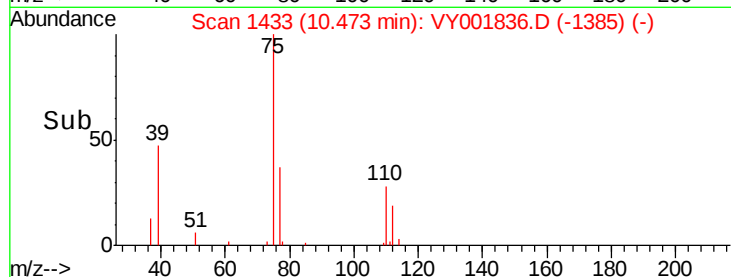
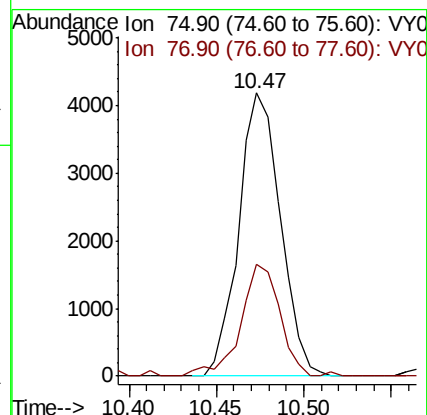
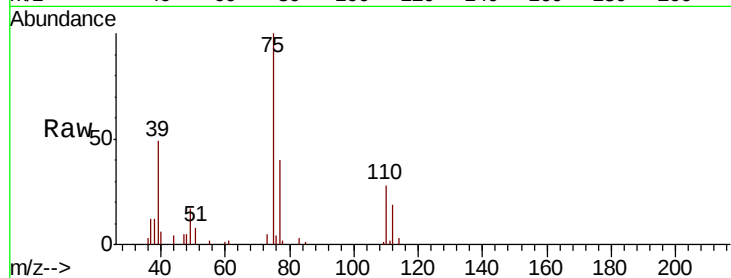
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 6950

Ion Ratio Lower Upper

75 100

77 39.7 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 2.537 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

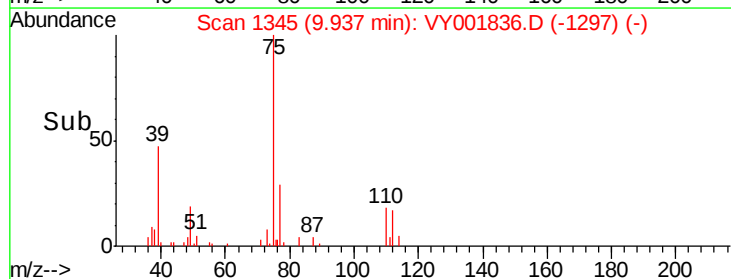
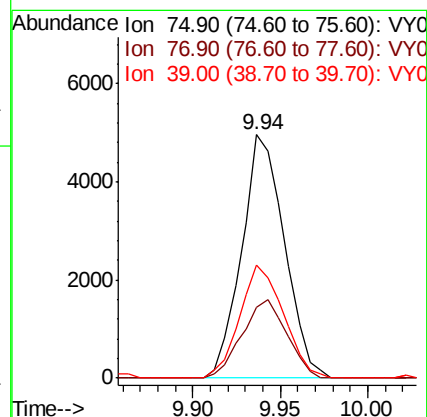
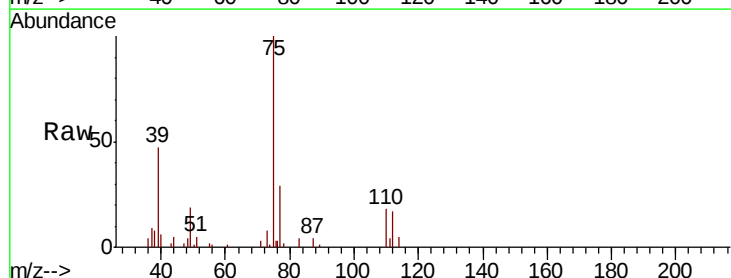
Tgt Ion: 75 Resp: 8433

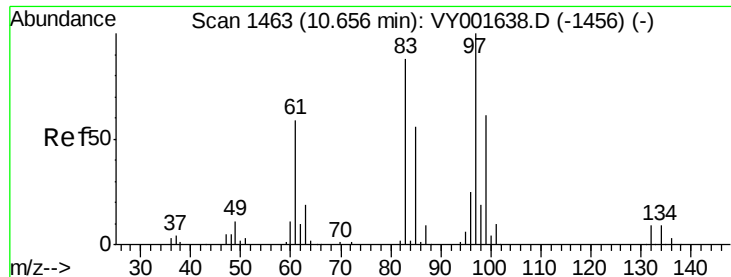
Ion Ratio Lower Upper

75 100

77 29.0 25.7 38.5

39 46.6 35.7 53.5

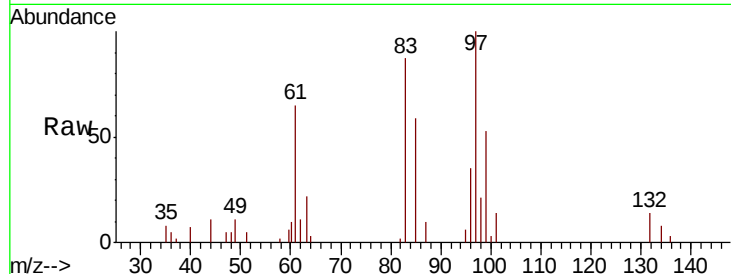




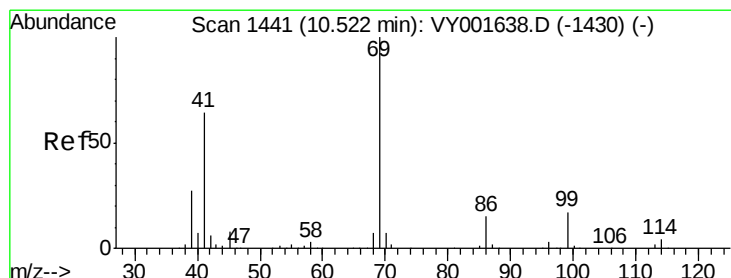
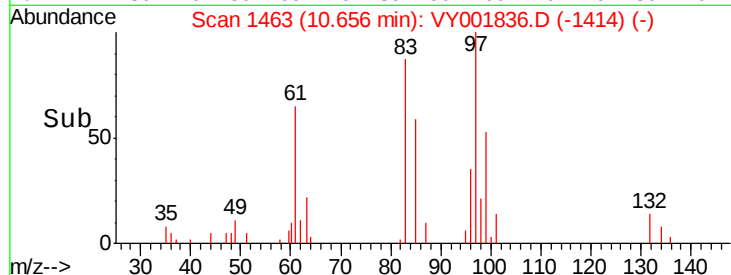
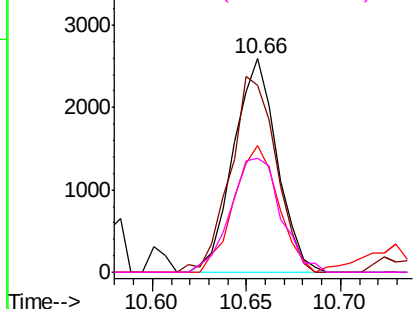
#55
 1,1,2-Trichloroethane
 Concen: 2.607 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 97 Resp: 4160
 Ion Ratio Lower Upper
 97 100
 83 87.4 69.7 104.5
 85 59.1 44.5 66.7
 99 53.3 49.6 74.4

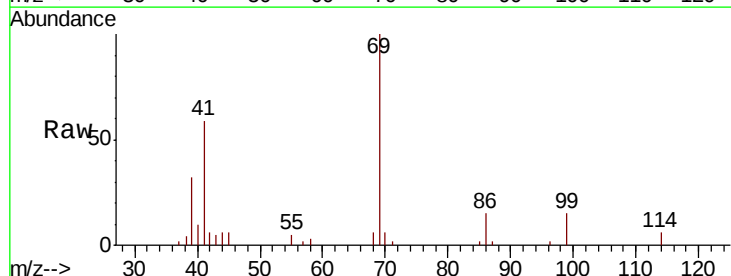


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

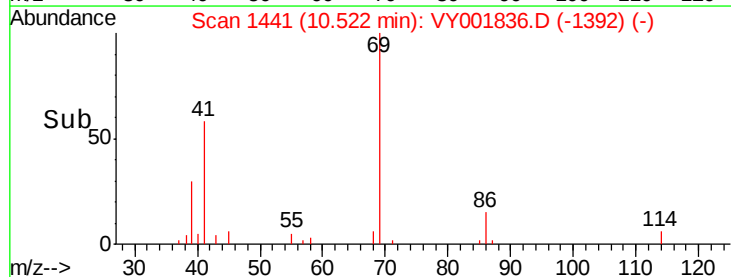
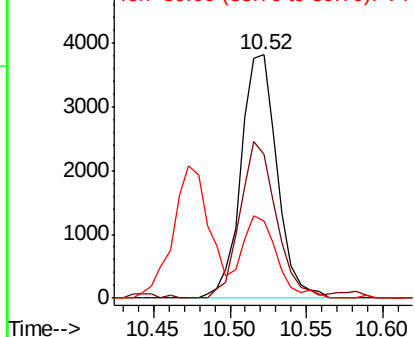


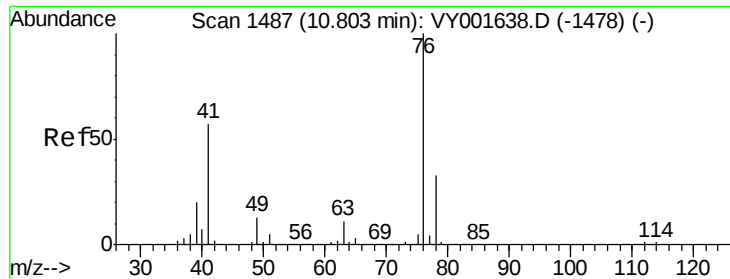
#56
 Ethyl methacrylate
 Concen: 2.606 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 69 Resp: 6239
 Ion Ratio Lower Upper
 69 100
 41 65.0 51.0 76.4
 39 33.1 24.7 37.1



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

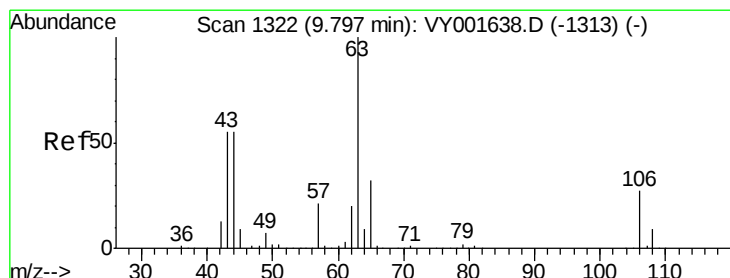
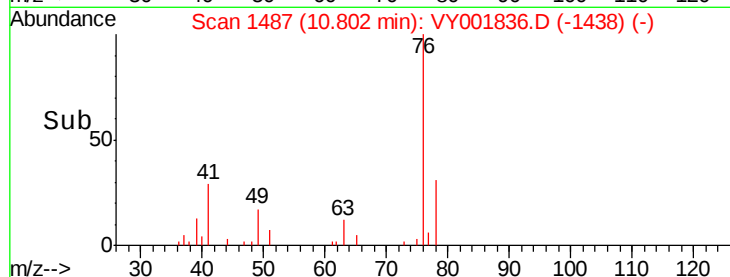
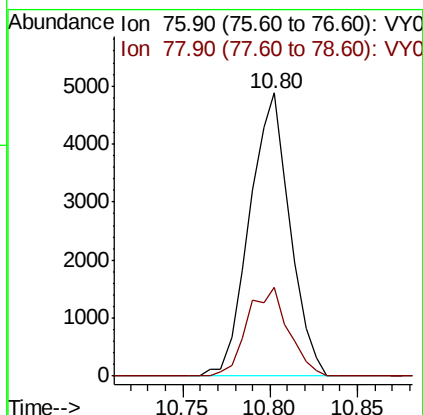
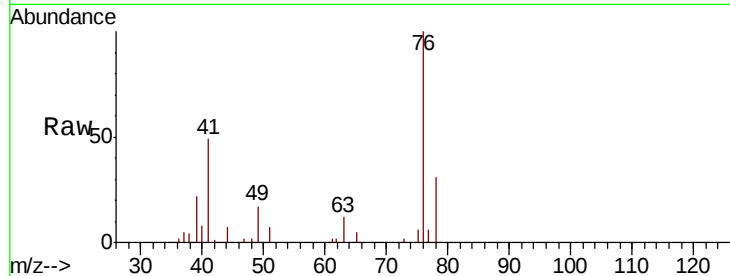




#57
 1,3-Dichloropropane
 Concen: 2.780 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

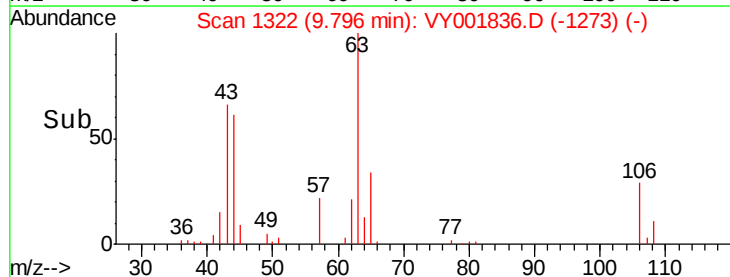
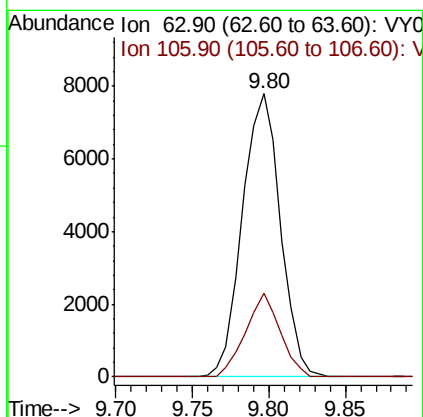
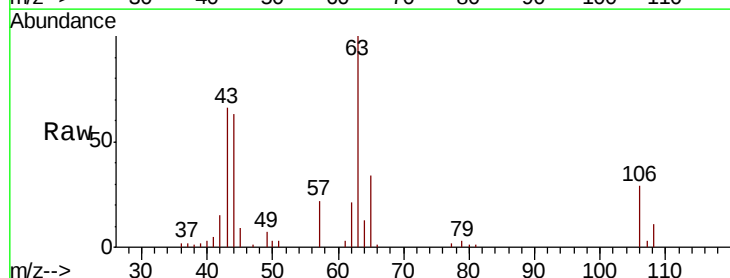
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

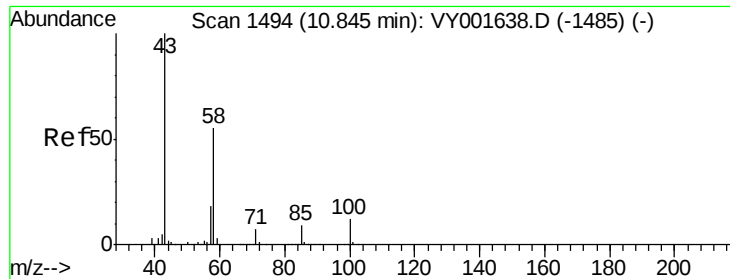
Tot Ion: 76 Resp: 7883
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.464 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 63 Resp: 13461
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4

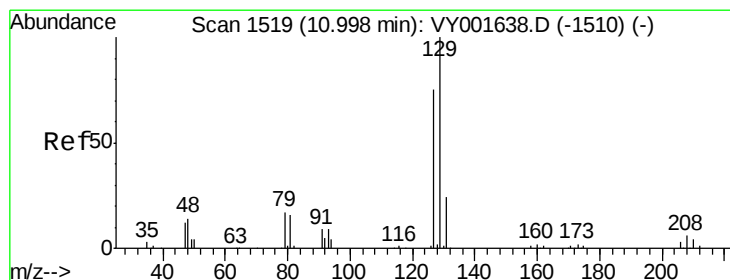
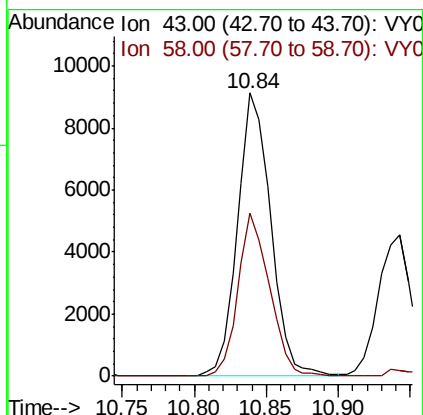
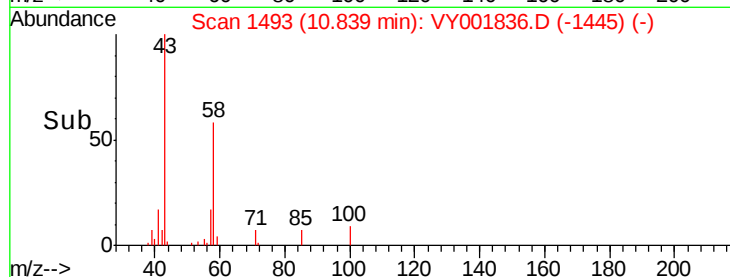
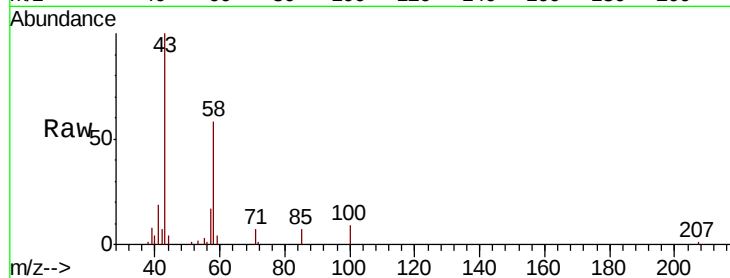




#59
2-Hexanone
Concen: 11.935 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

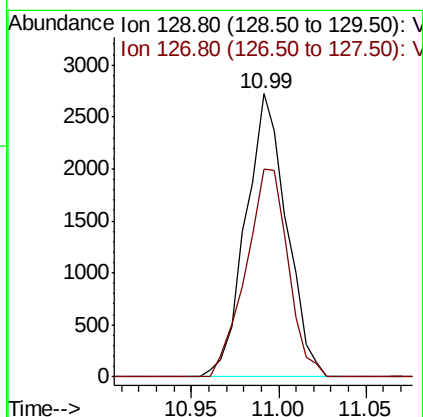
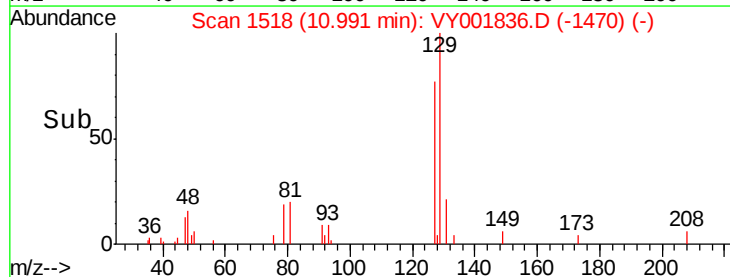
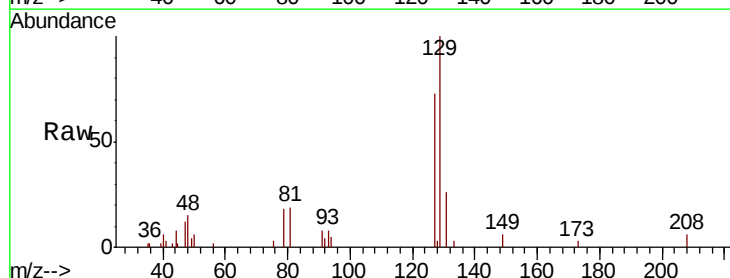
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

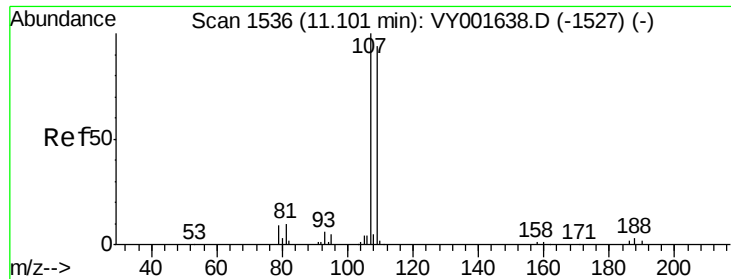
Tot Ion: 43 Resp: 14638
Ion Ratio Lower Upper
43 100
58 54.5 28.4 85.2



#60
Dibromochloromethane
Concen: 2.506 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:129 Resp: 4410
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.6

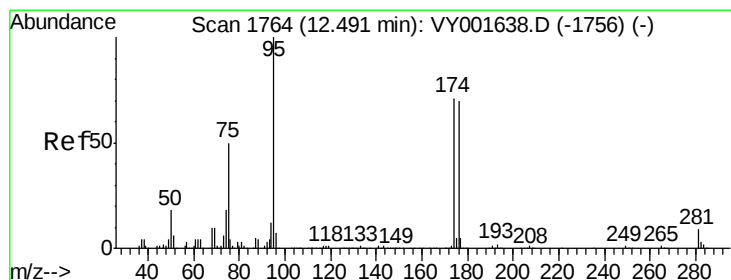
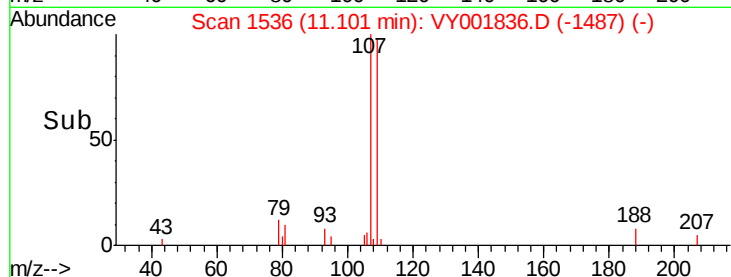
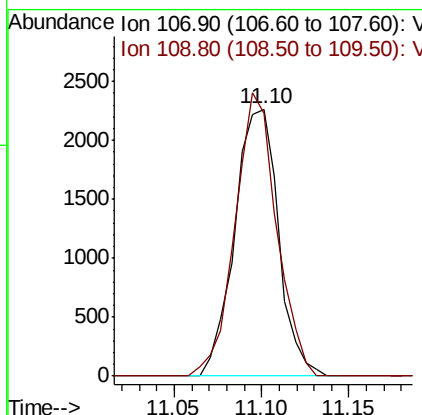
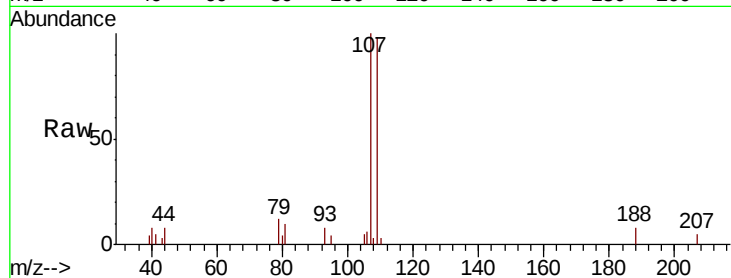




#61
 1,2-Dibromoethane
 Concen: 2.608 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

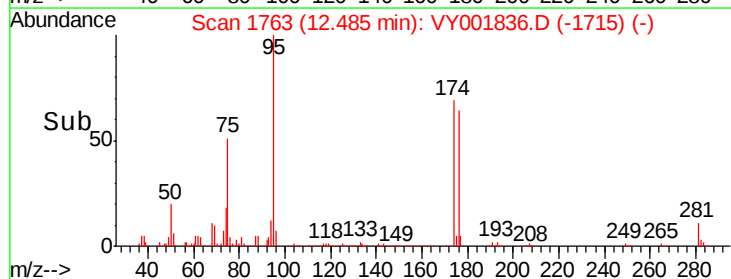
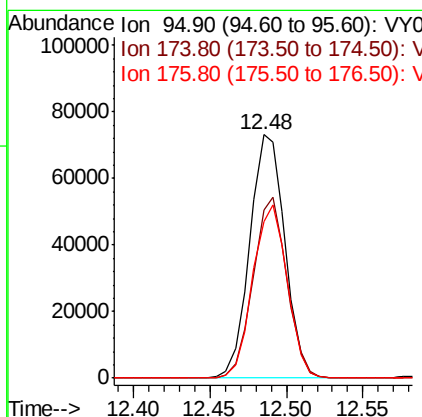
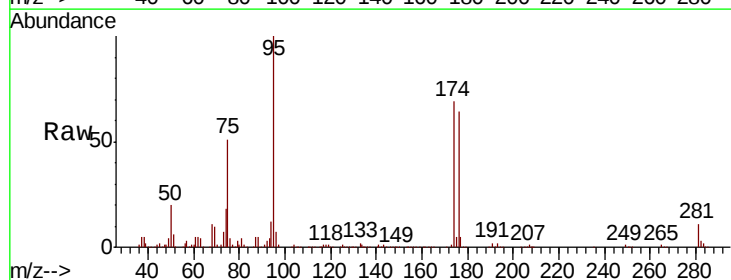
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

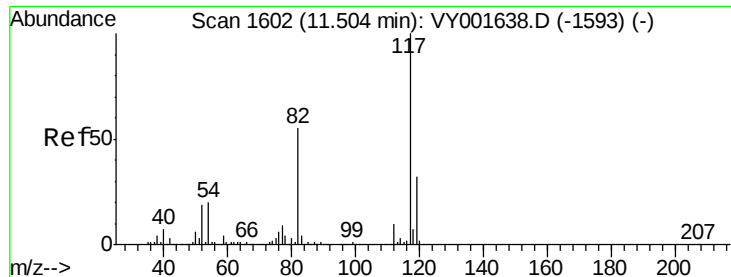
Tot Ion: 107 Resp: 3936
 Ion Ratio Lower Upper
 107 100
 109 101.0 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 45.452 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion: 95 Resp: 116531
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 138.4
 176 70.0 0.0 131.8

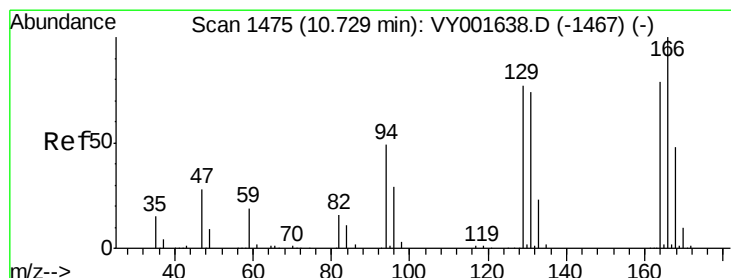
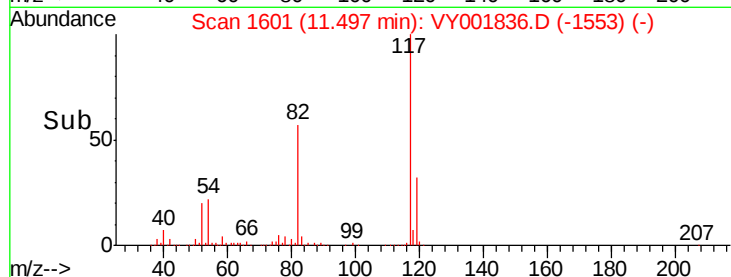
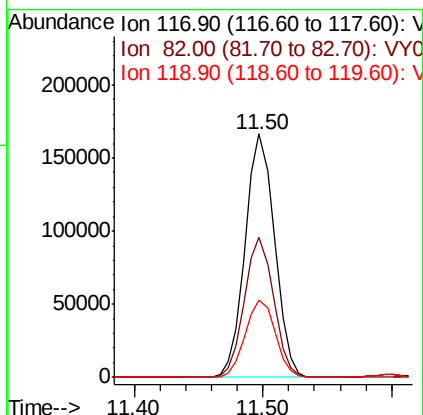
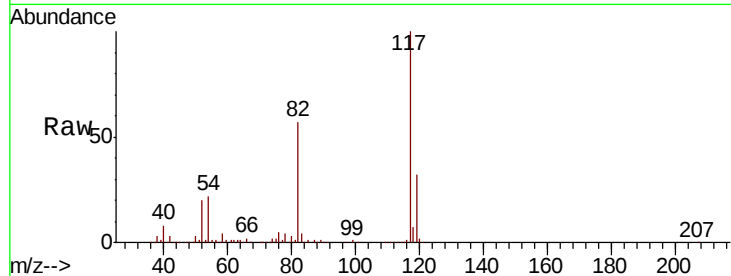




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

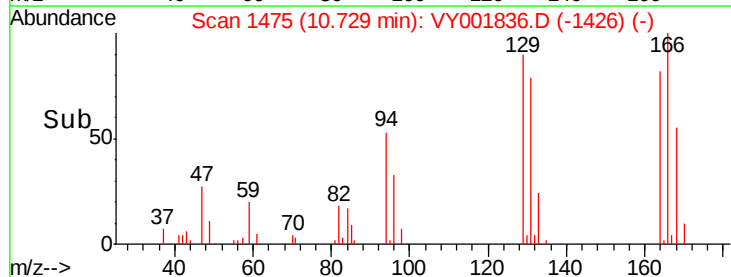
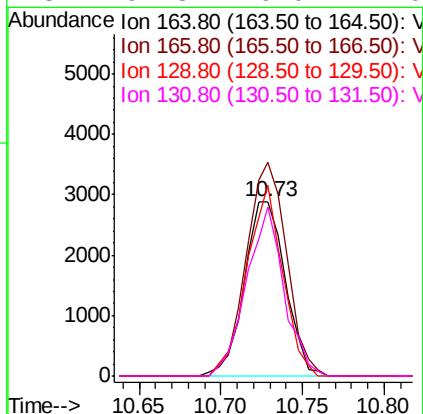
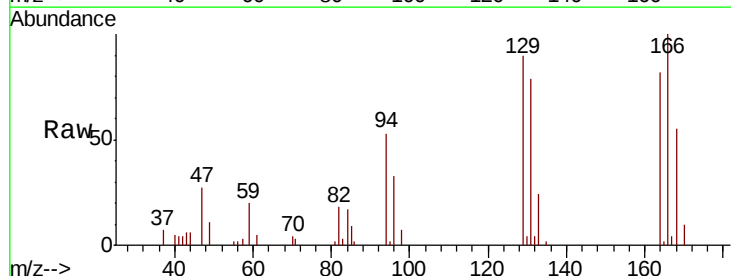
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

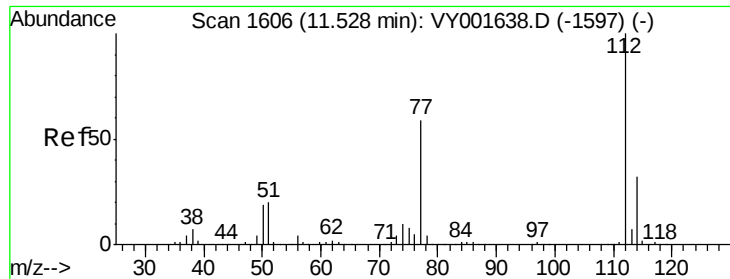
Tot Ion:117 Resp: 262783
Ion Ratio Lower Upper
117 100
82 57.4 45.5 68.3
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 3.056 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:164 Resp: 5042
Ion Ratio Lower Upper
164 100
166 122.6 101.4 152.0
129 109.7 78.7 118.1
131 97.3 76.0 114.0

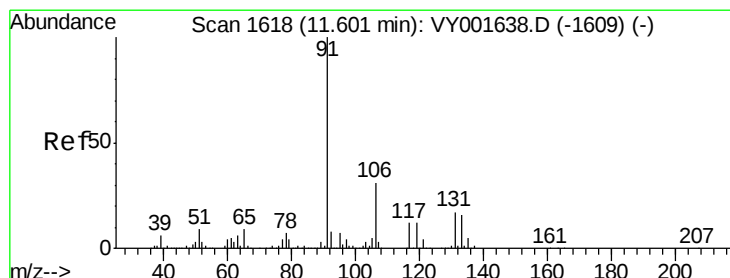
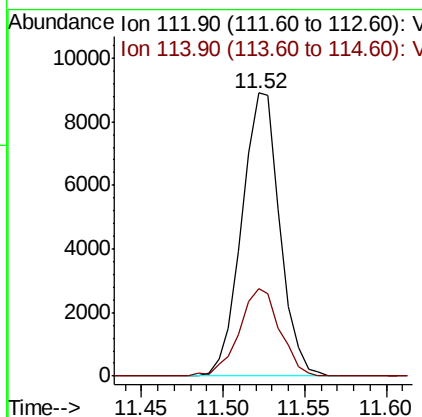
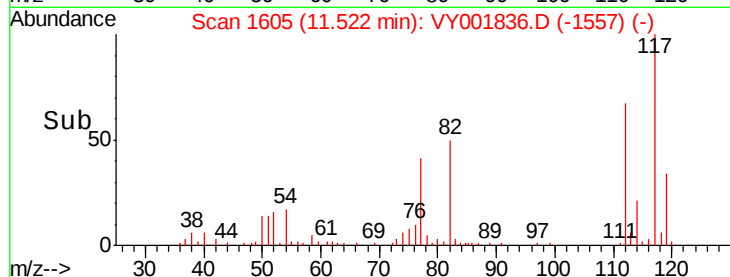
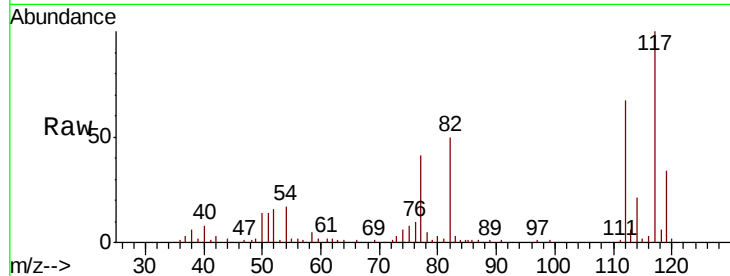




#65
Chlorobenzene
Concen: 2.757 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

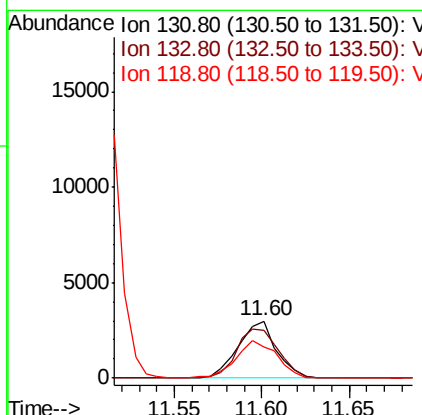
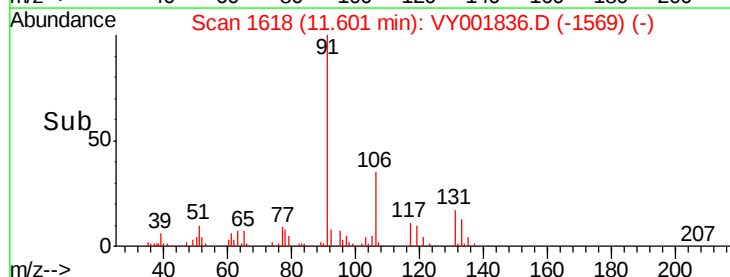
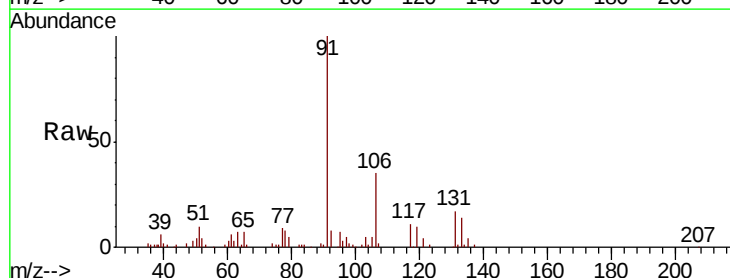
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

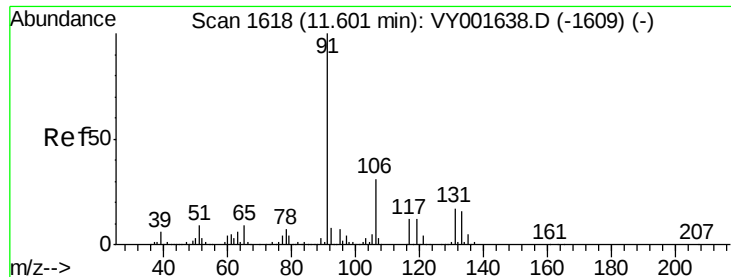
Tot Ion:112 Resp: 14463
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 2.577 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:131 Resp: 4561
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.2
119 69.7 34.4 103.1

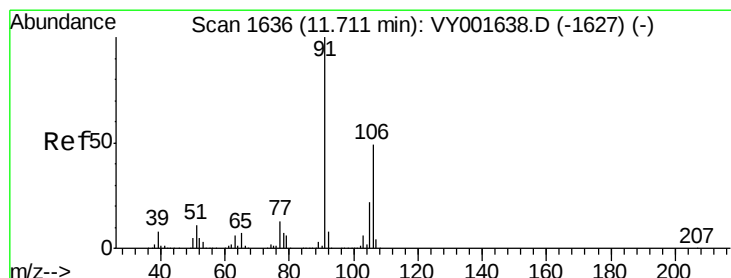
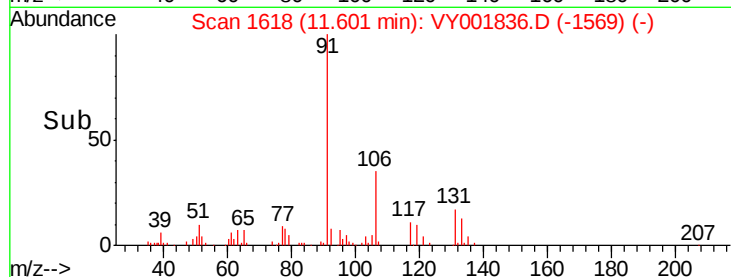
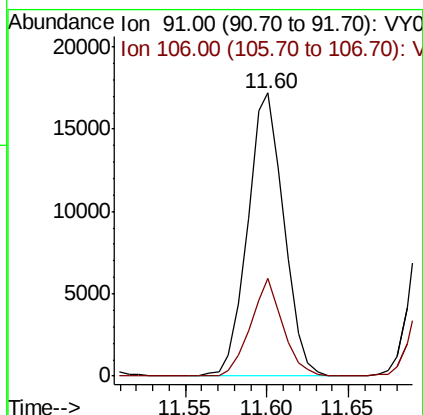
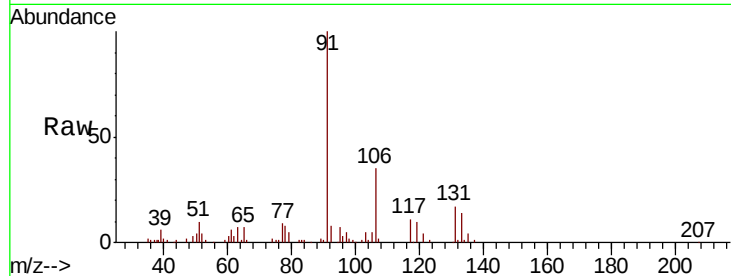




#67
Ethyl Benzene
Concen: 2.723 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

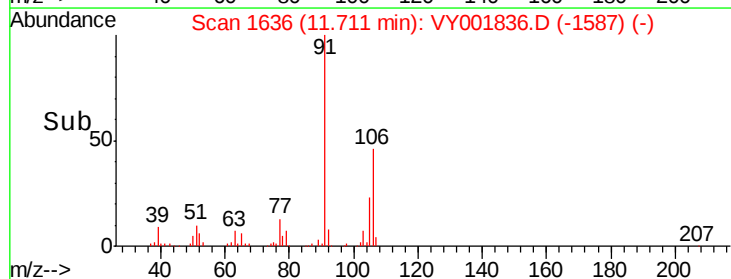
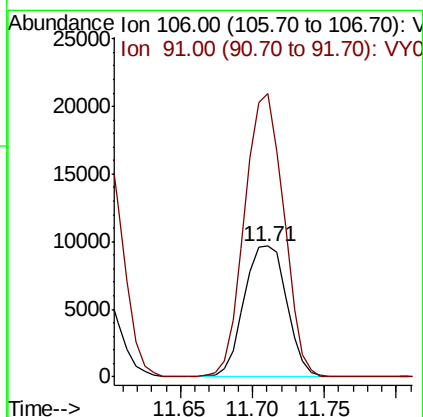
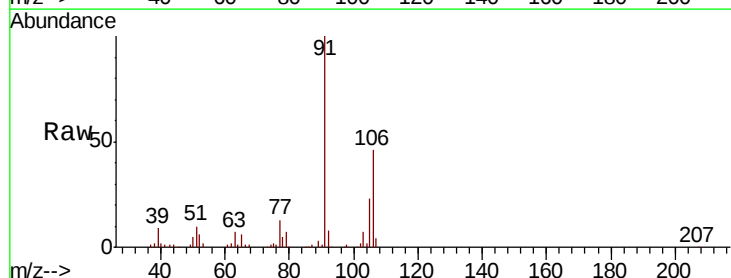
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

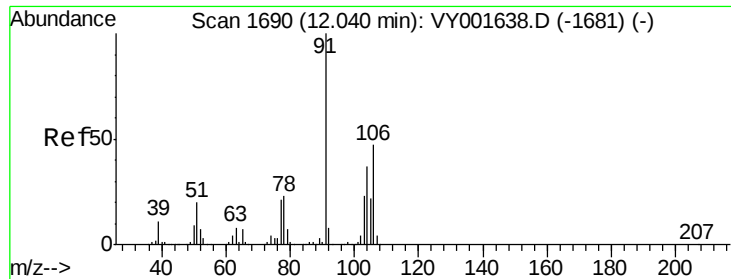
Tot Ion: 91 Resp: 26515
Ion Ratio Lower Upper
91 100
106 34.6 24.5 36.7



#68
m/p-Xylenes
Concen: 5.449 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 106 Resp: 19817
Ion Ratio Lower Upper
106 100
91 199.2 163.3 244.9

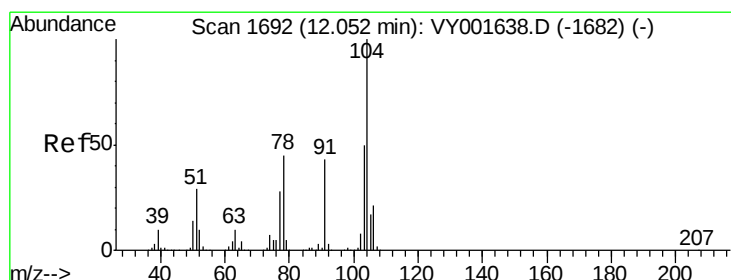
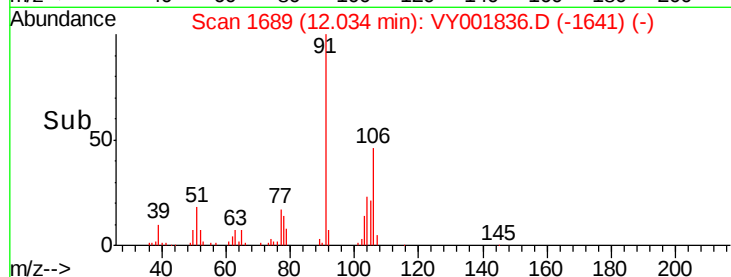
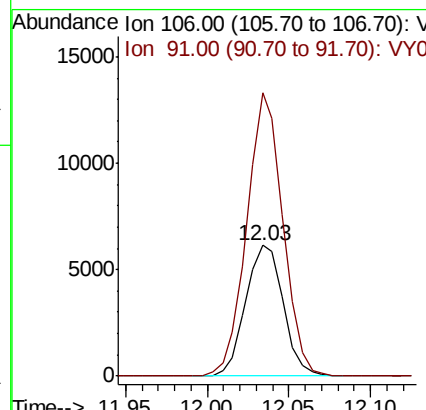
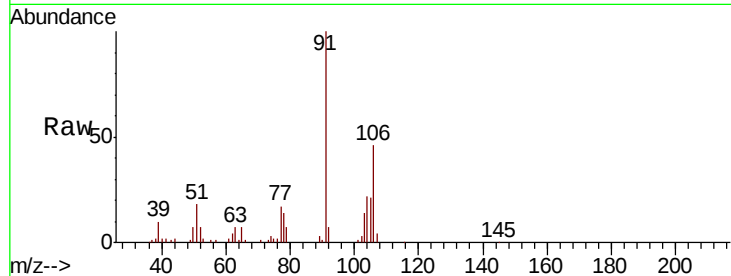




#69
o-Xylene
Concen: 2.842 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

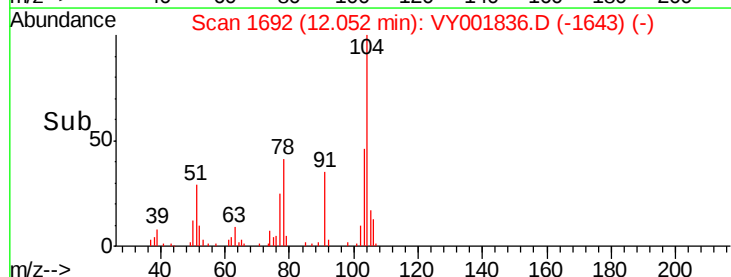
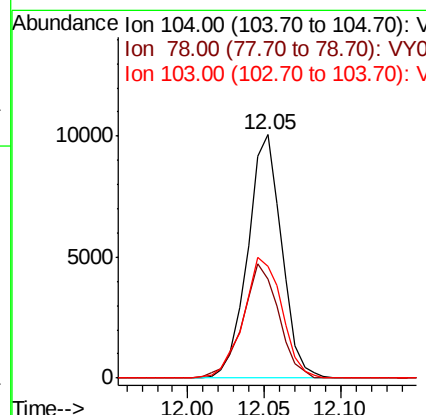
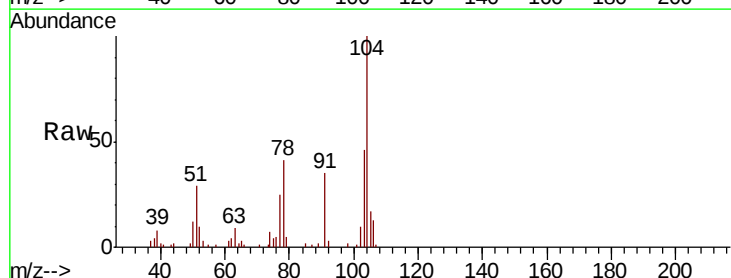
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

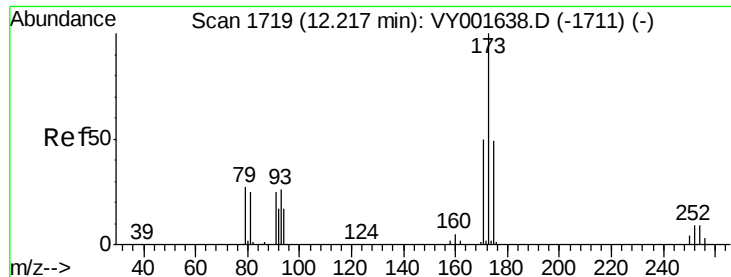
Tot Ion:106 Resp: 9825
Ion Ratio Lower Upper
106 100
91 208.5 108.3 324.9



#70
Styrene
Concen: 2.581 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:104 Resp: 15511
Ion Ratio Lower Upper
104 100
78 49.7 39.2 58.8
103 56.0 43.0 64.6

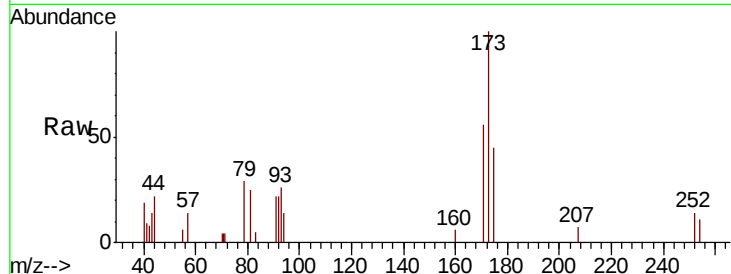




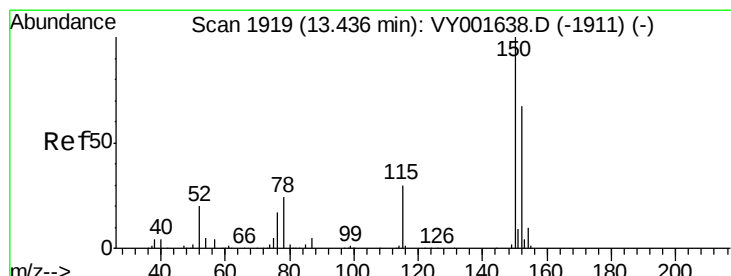
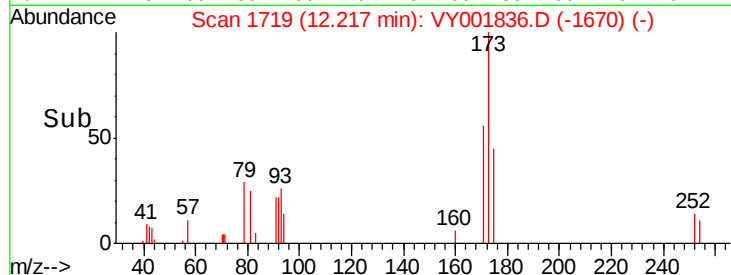
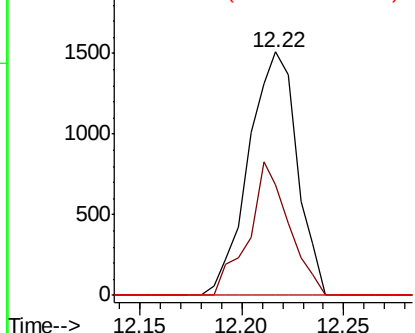
#71
Bromoform
Concen: 2.468 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:173 Resp: 2496
Ion Ratio Lower Upper
173 100
175 45.6 24.3 73.0
254 0.0 0.1 0.1#

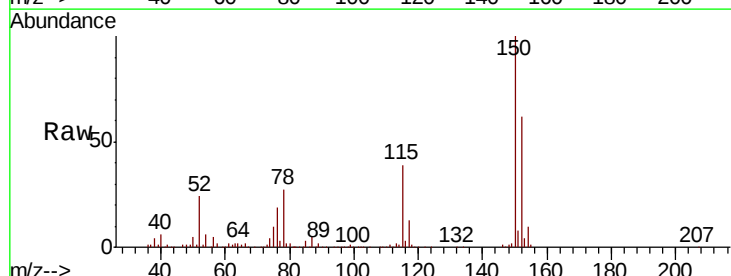


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

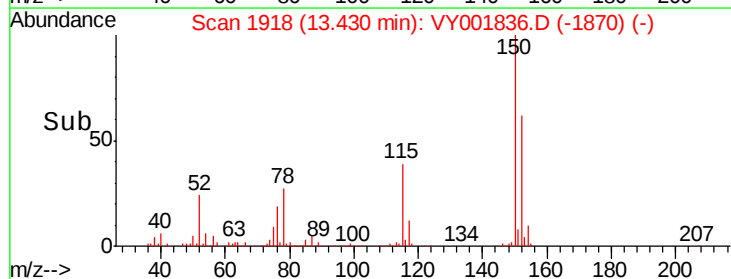
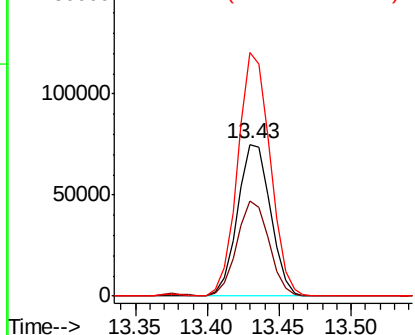


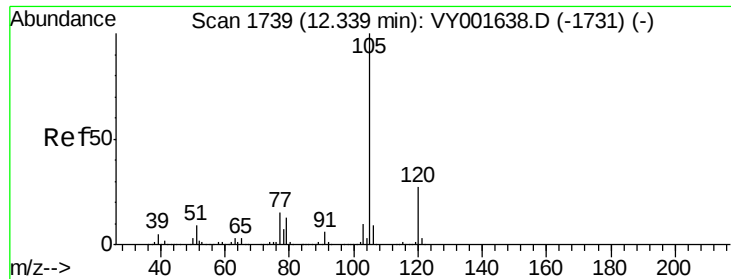
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:152 Resp: 119144
Ion Ratio Lower Upper
152 100
115 61.3 31.4 94.2
150 157.9 0.0 407.2



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

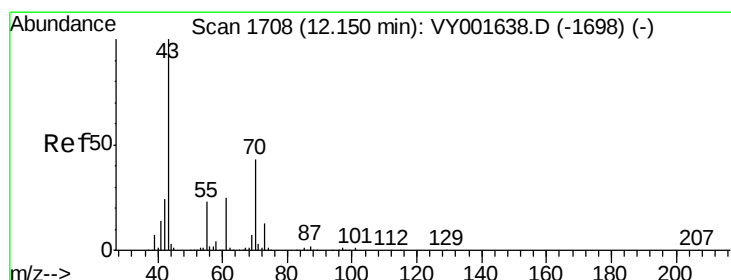
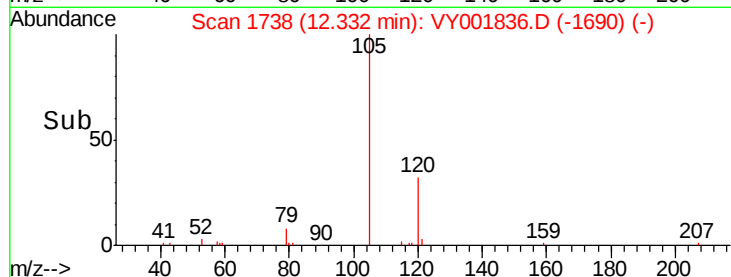
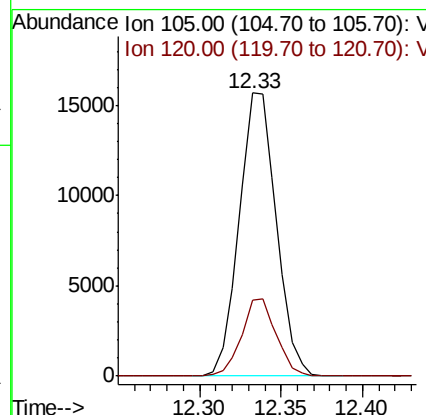
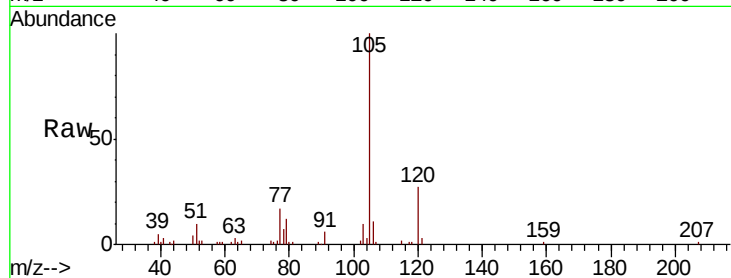




#73
Isopropylbenzene
Concen: 2.737 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

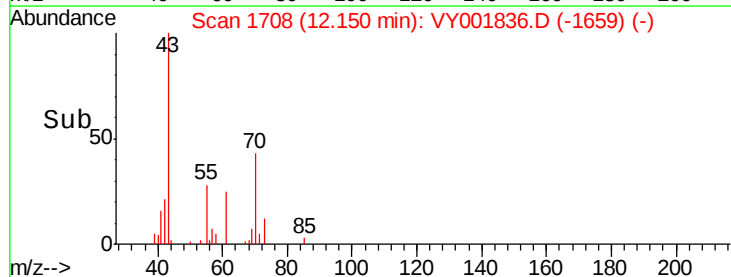
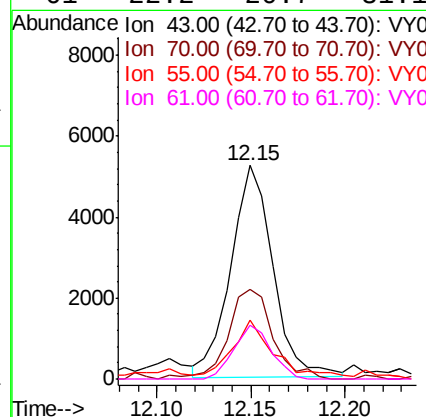
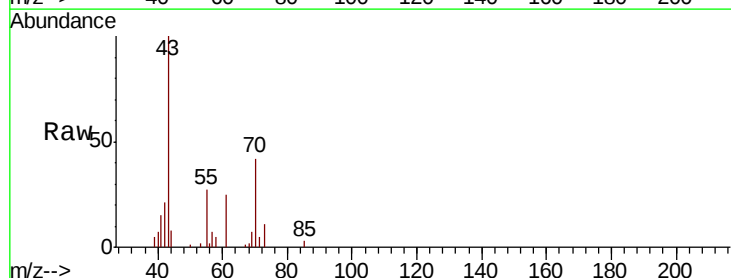
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

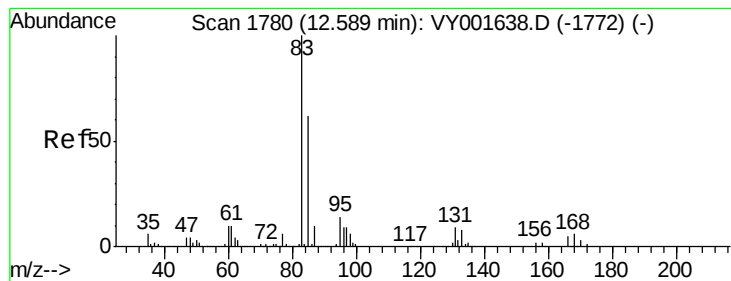
Tot Ion:105 Resp: 24841
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1



#74
N-ethyl acetate
Concen: 2.812 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 43 Resp: 8145
Ion Ratio Lower Upper
43 100
70 45.1 35.9 53.9
55 28.6 18.3 27.5#
61 22.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.823 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

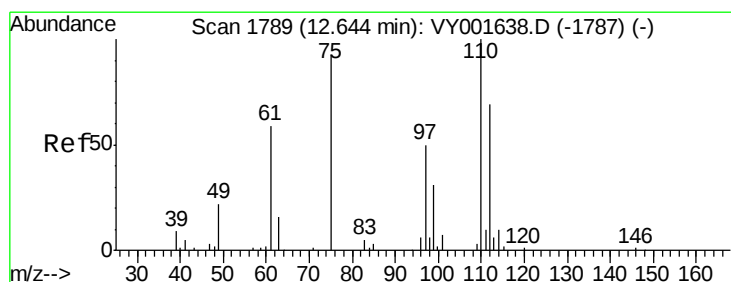
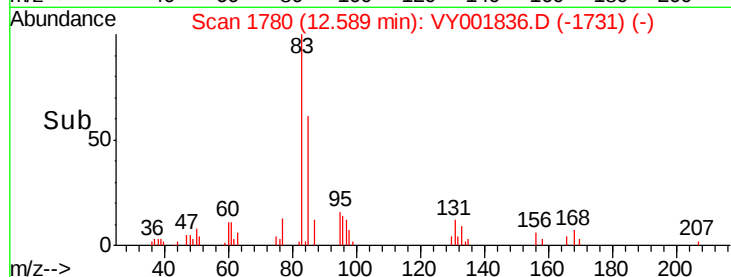
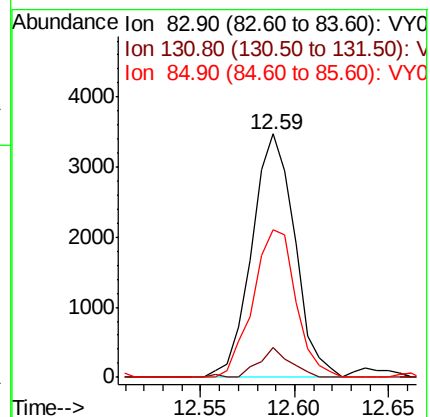
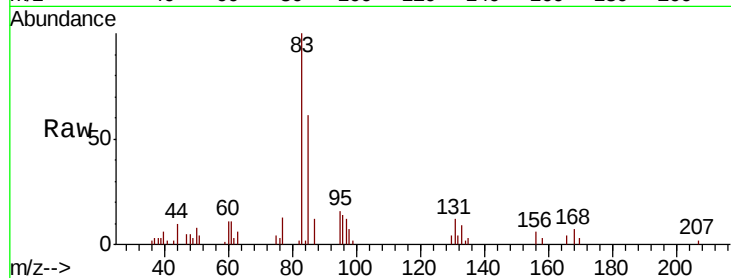
Tot Ion: 83 Resp: 5471

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

85 60.9 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 4.897 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY001836.D

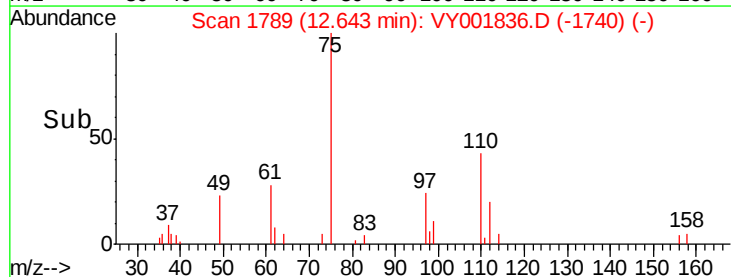
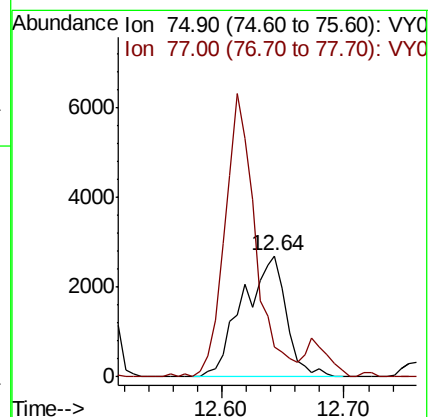
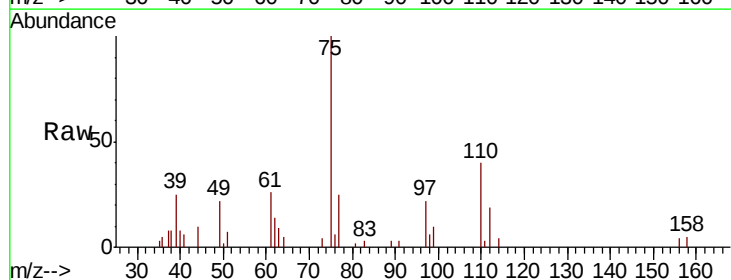
Acq: 03 Mar 2020 15:42

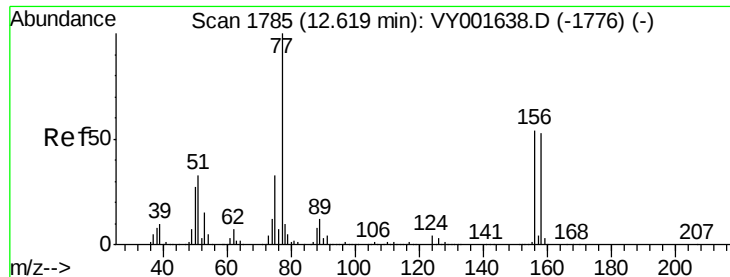
Tgt Ion: 75 Resp: 6693

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.833 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

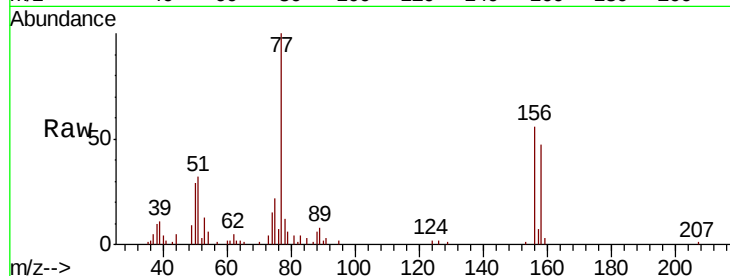
Tot Ion:156 Resp: 5574

Ion Ratio Lower Upper

156 100

77 196.2 110.1 330.1

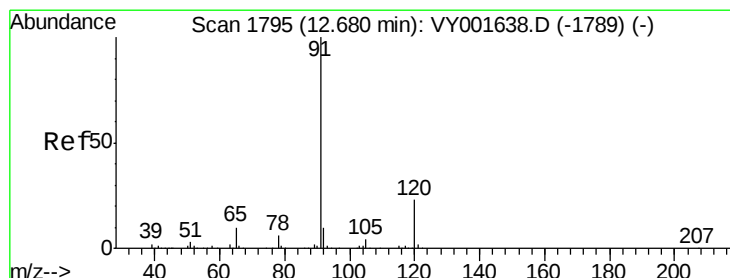
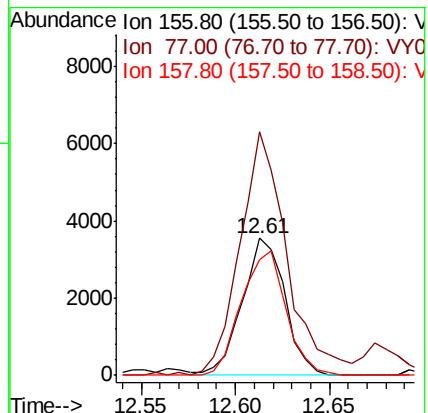
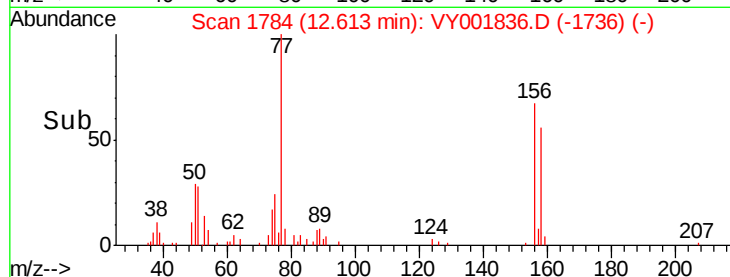
158 95.2 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.723 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY001836.D

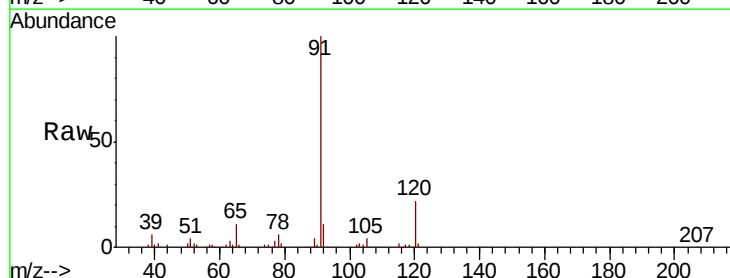
Acq: 03 Mar 2020 15:42

Tgt Ion: 91 Resp: 30102

Ion Ratio Lower Upper

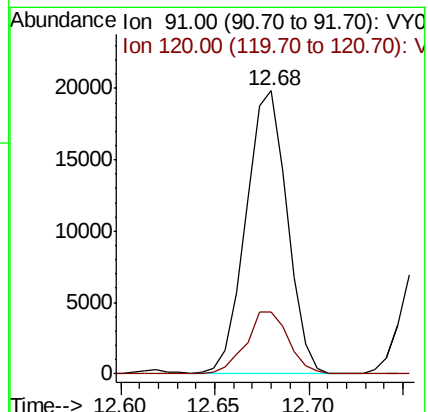
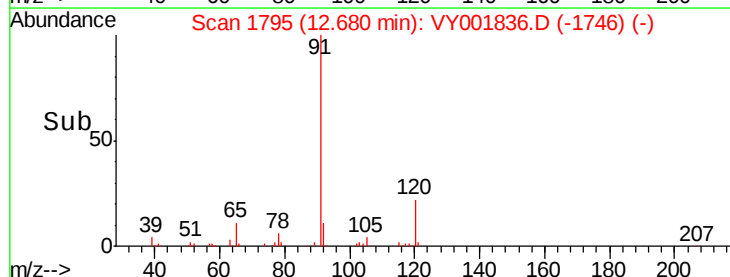
91 100

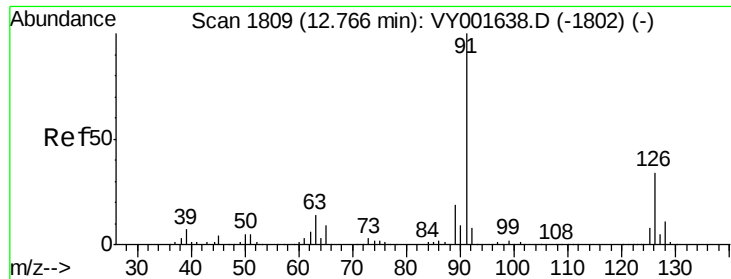
120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

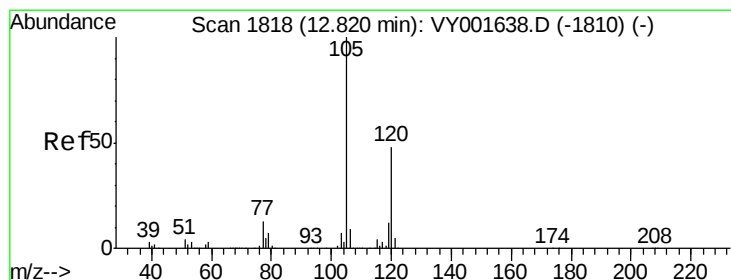
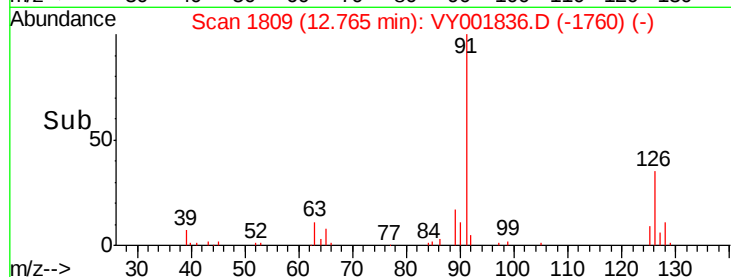
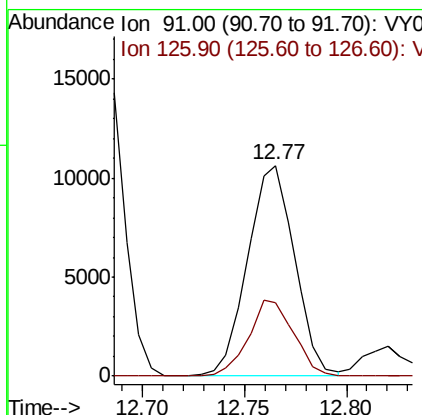
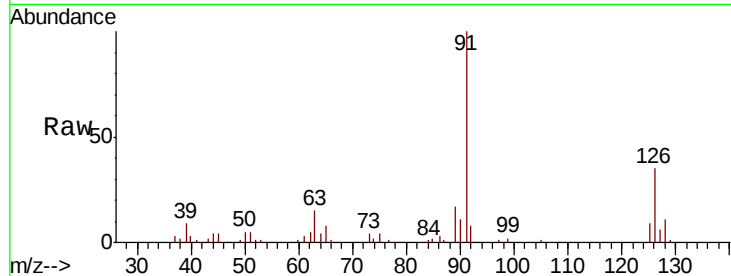




#79
2-Chlorotoluene
Concen: 2.757 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

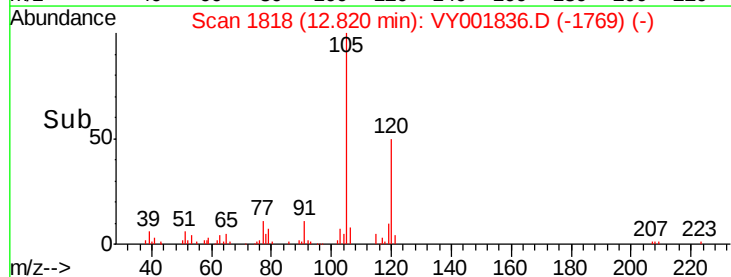
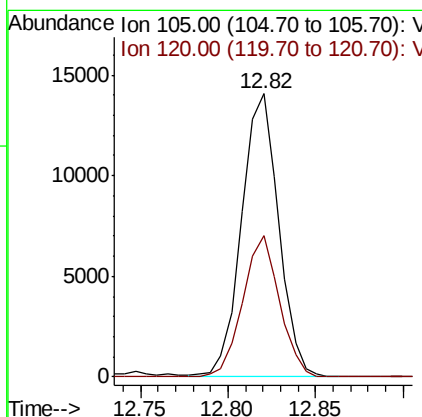
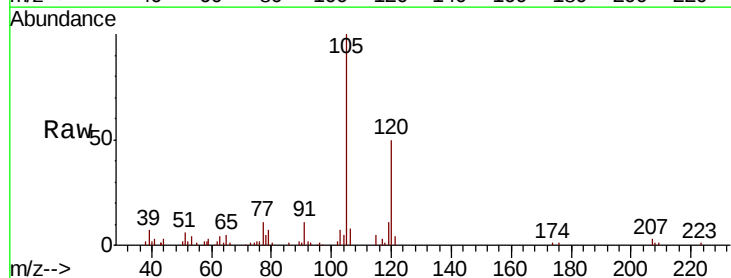
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

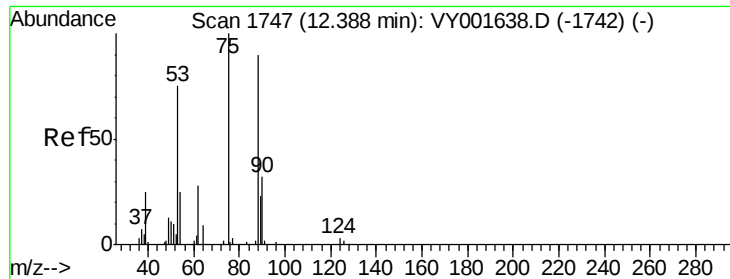
Tot Ion: 91 Resp: 17096
Ion Ratio Lower Upper
91 100
126 34.5 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 2.768 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 105 Resp: 20795
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.9

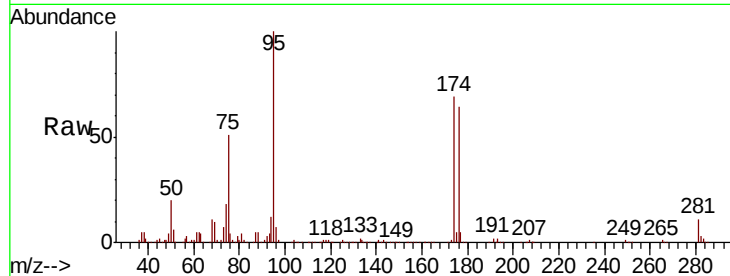




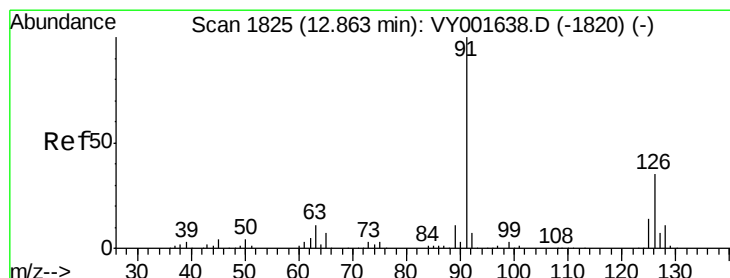
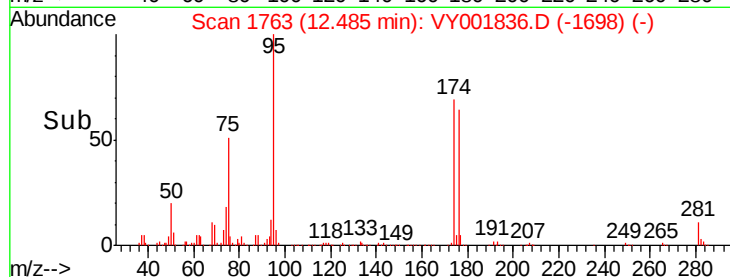
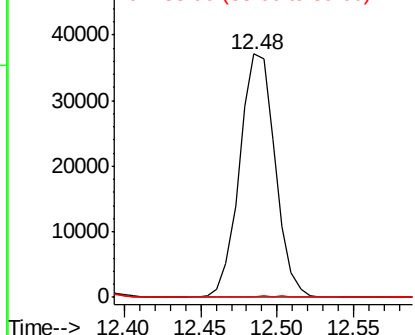
#81
trans-1,4-Dichloro-2-butene
Concen: 82.759 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 59620
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.4 36.3 54.5#

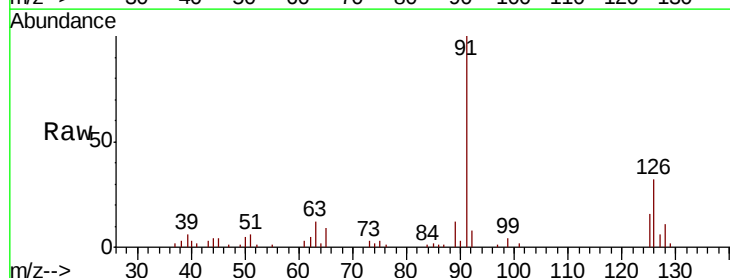


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0

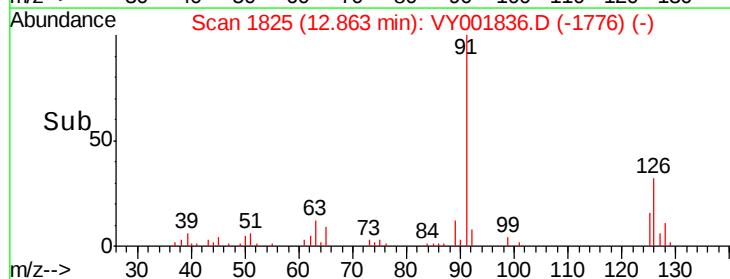
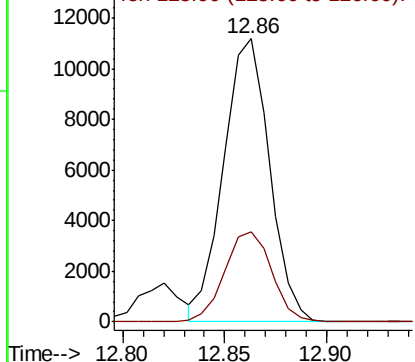


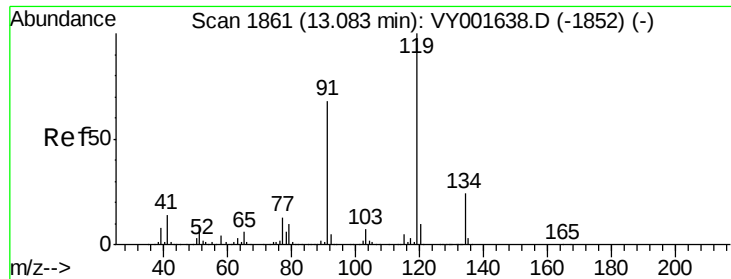
#82
4-Chlorotoluene
Concen: 2.674 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 91 Resp: 17487
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

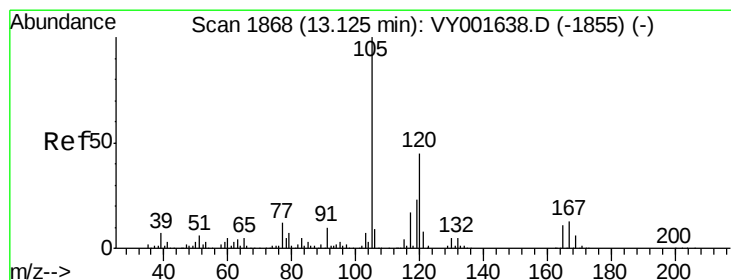
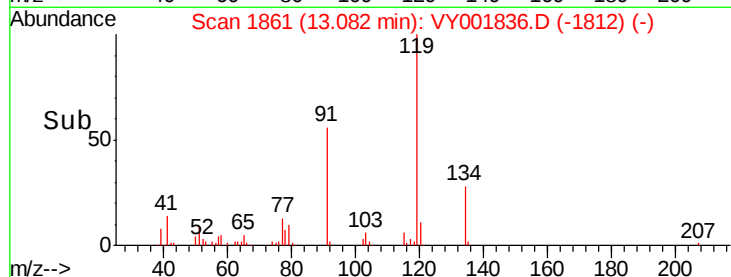
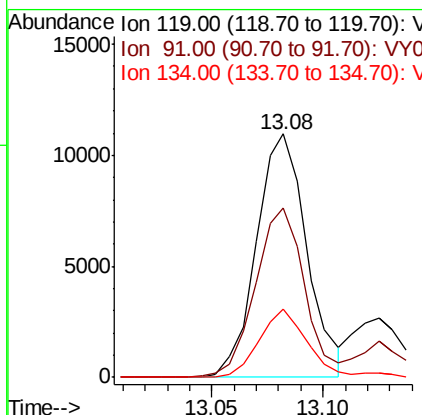
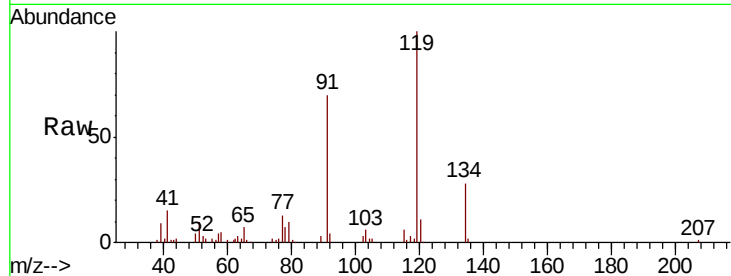




#83
tert-Butylbenzene
Concen: 2.741 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

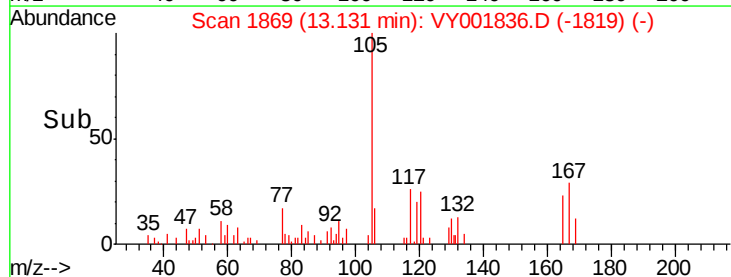
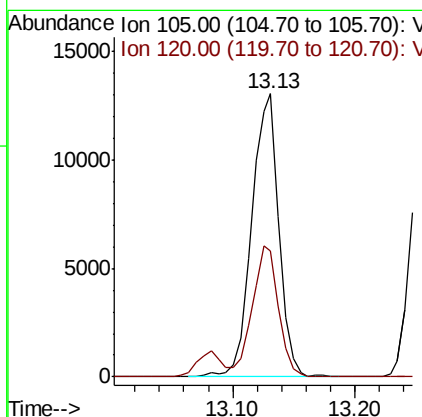
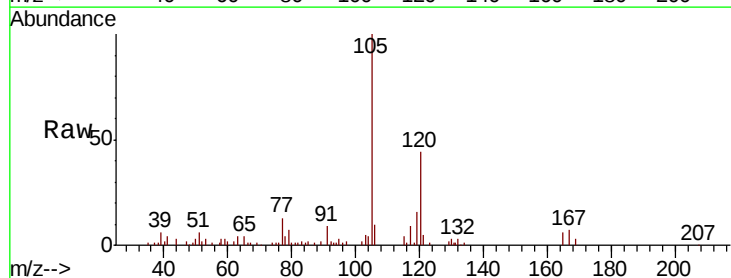
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

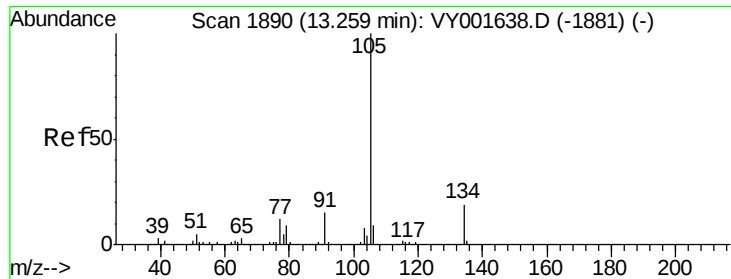
Tot Ion:119 Resp: 17222
Ion Ratio Lower Upper
119 100
91 67.7 33.5 100.5
134 26.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 2.688 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion:105 Resp: 20135
Ion Ratio Lower Upper
105 100
120 44.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 2.746 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

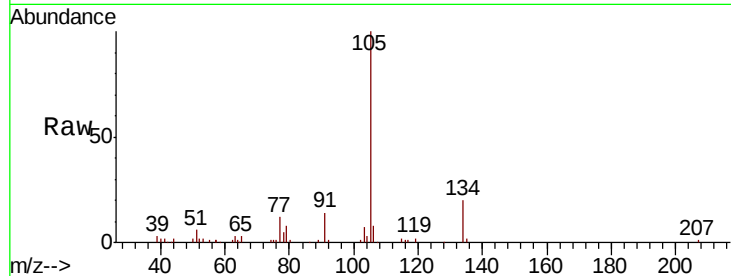
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 25378

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

20000

15000

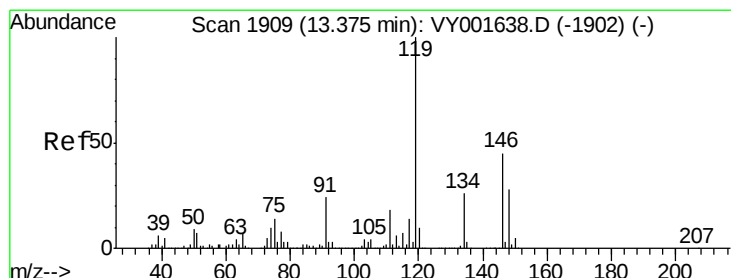
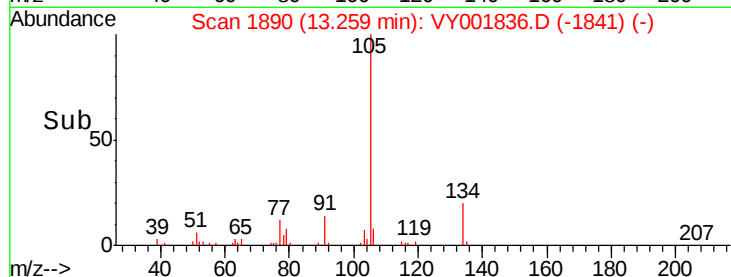
10000

5000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 2.699 ug/l

RT: 13.37 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

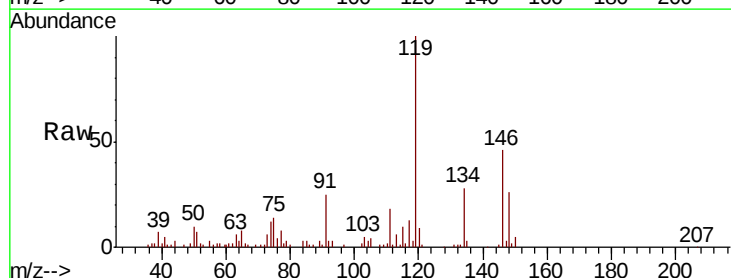
Tgt Ion:119 Resp: 21670

Ion Ratio Lower Upper

119 100

134 27.1 13.0 39.0

91 25.0 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

20000

15000

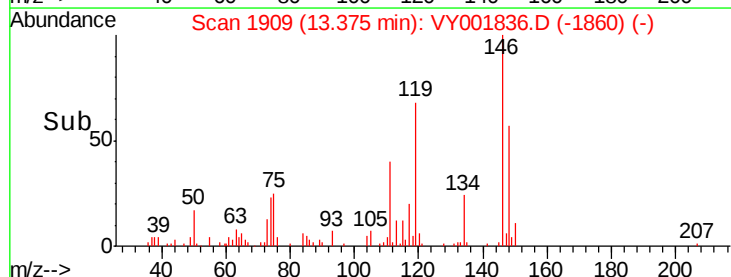
10000

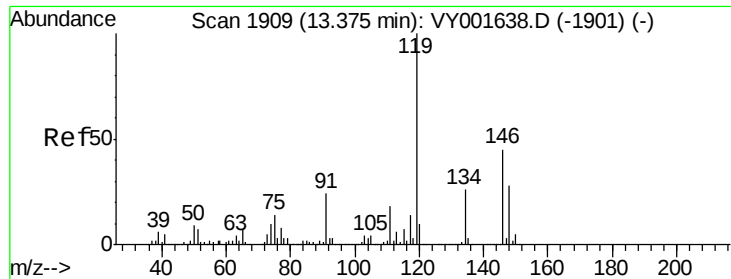
5000

0

13.30 13.35 13.40

Time-->

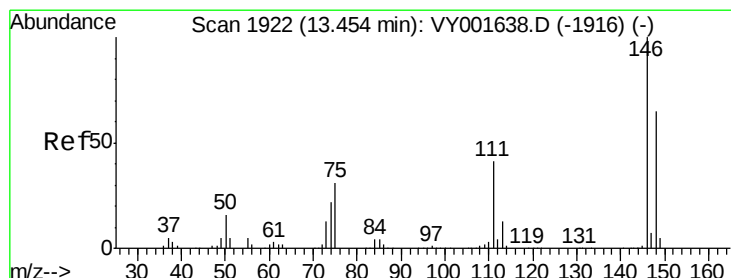
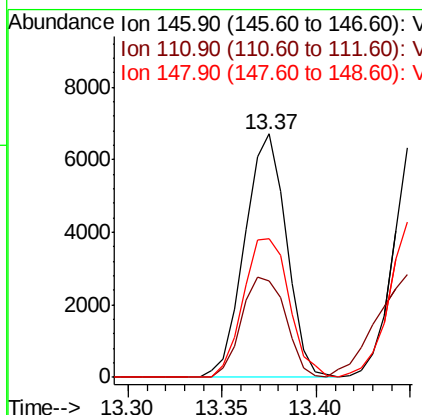
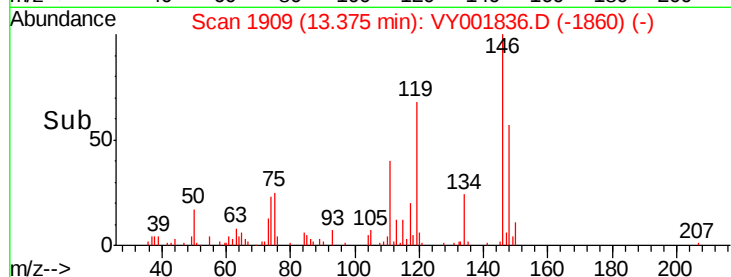
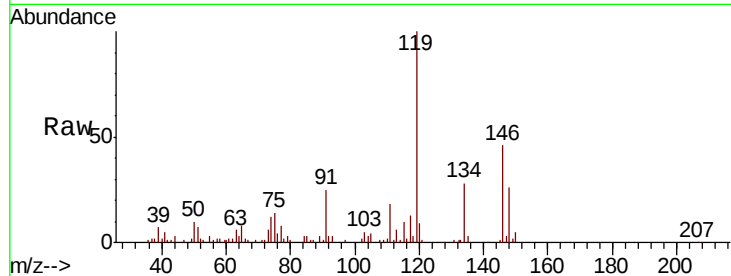




#87
 1,3-Dichlorobenzene
 Concen: 2.697 ug/l
 RT: 13.37 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

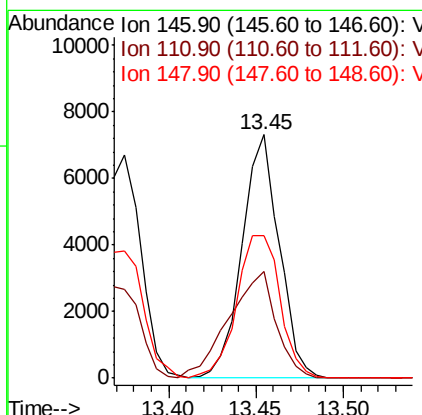
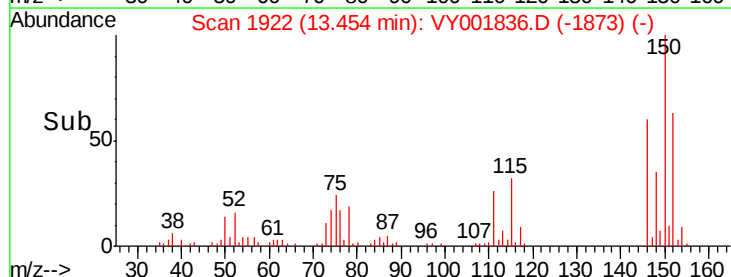
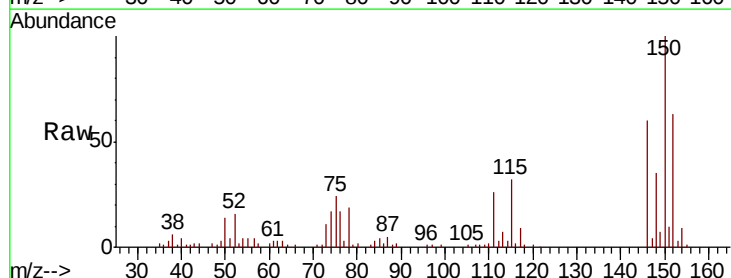
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

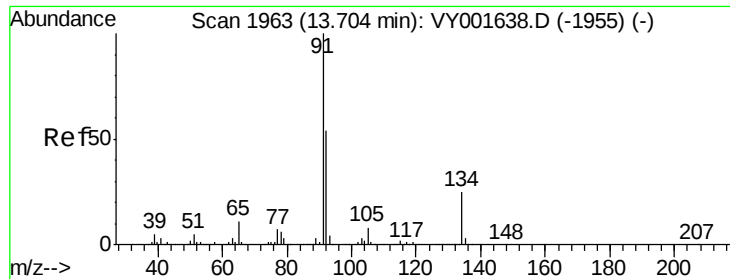
Tot Ion:146 Resp: 10291
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.4 64.3
 148 62.7 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 2.801 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion:146 Resp: 10804
 Ion Ratio Lower Upper
 146 100
 111 55.7 20.4 61.3
 148 68.8 31.6 94.7

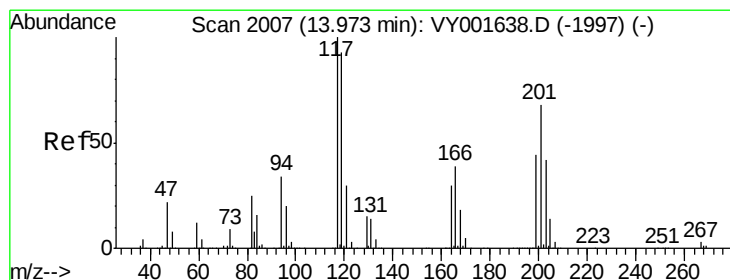
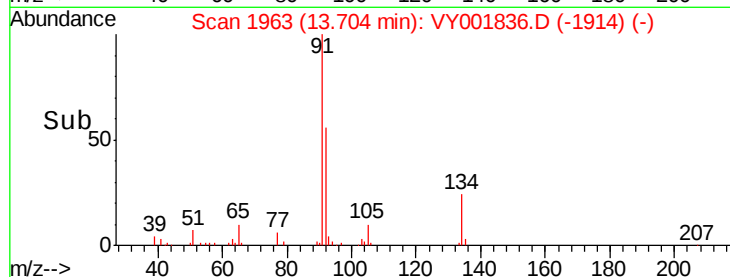
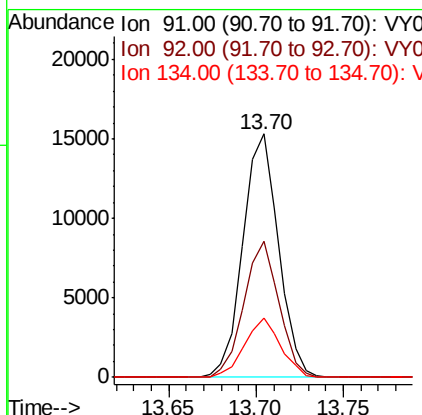
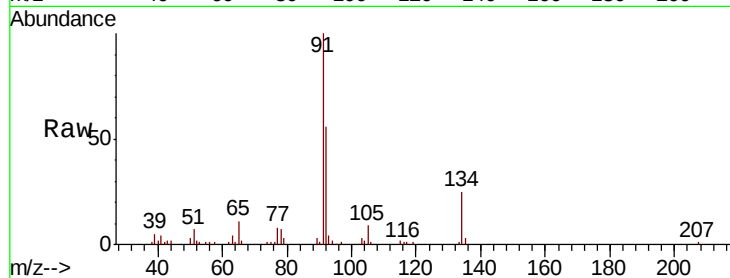




#89
n-Butylbenzene
Concen: 2.647 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

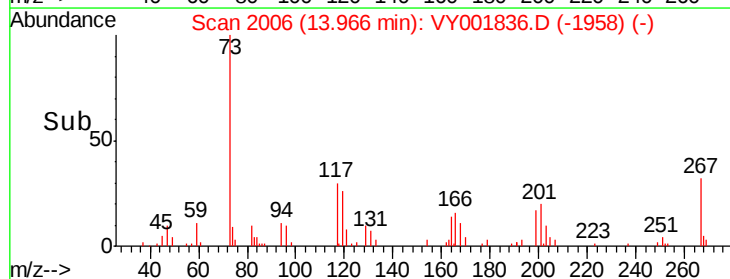
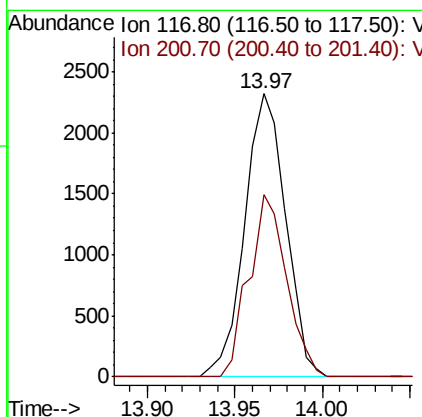
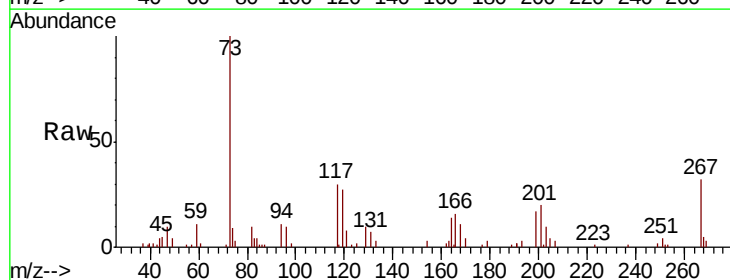
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

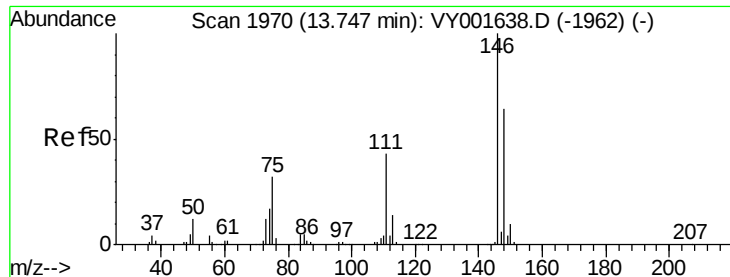
Tot Ion: 91 Resp: 21715
Ion Ratio Lower Upper
91 100
92 54.7 27.5 82.4
134 24.4 12.4 37.4



#90
Hexachloroethane
Concen: 2.499 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001836.D
Acq: 03 Mar 2020 15:42

Tgt Ion: 117 Resp: 3781
Ion Ratio Lower Upper
117 100
201 59.4 32.5 97.4

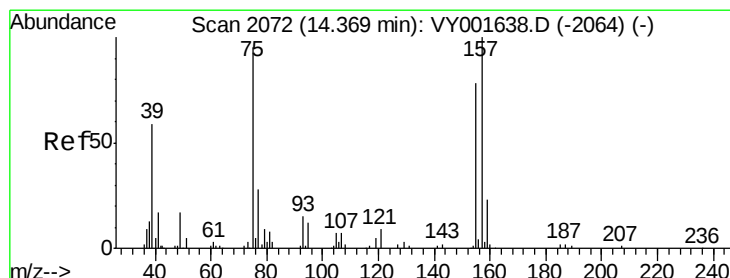
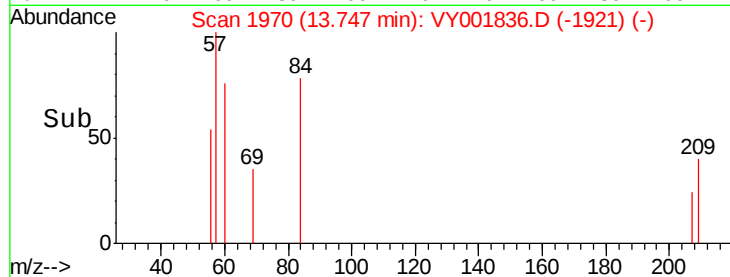
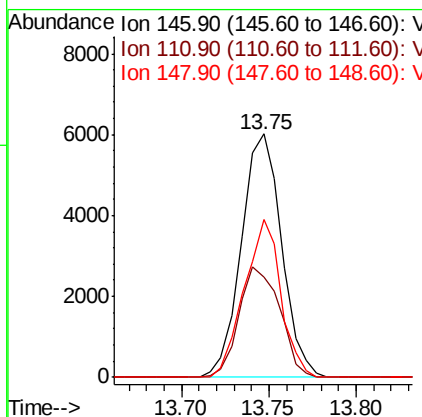
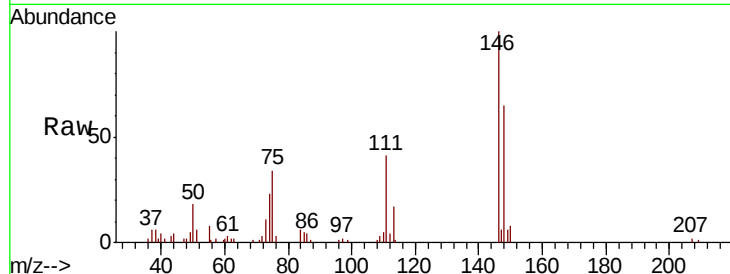




#91
 1,2-Dichlorobenzene
 Concen: 2.731 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

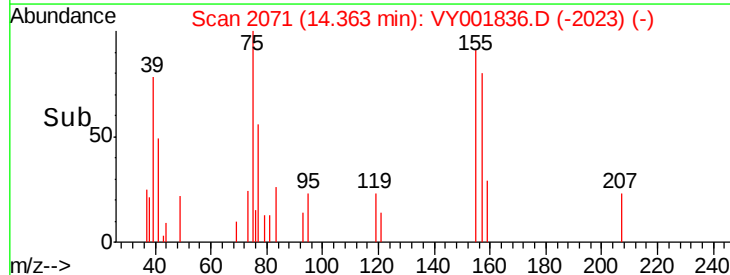
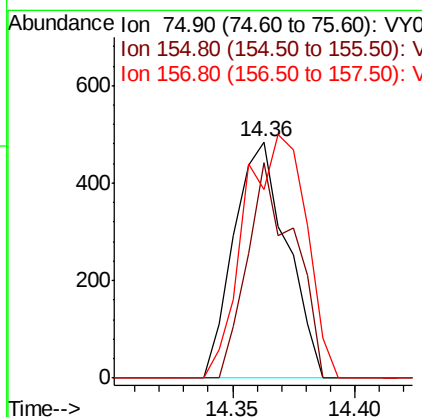
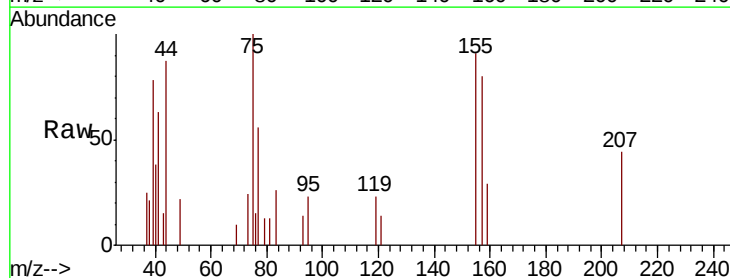
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

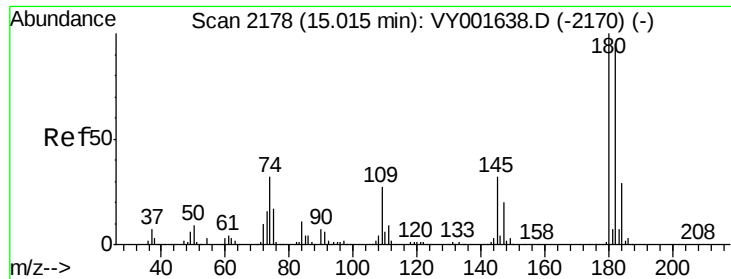
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.9	65.7
148	59.0	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.289 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	40.8	122.4
157	120.2	52.1	156.4

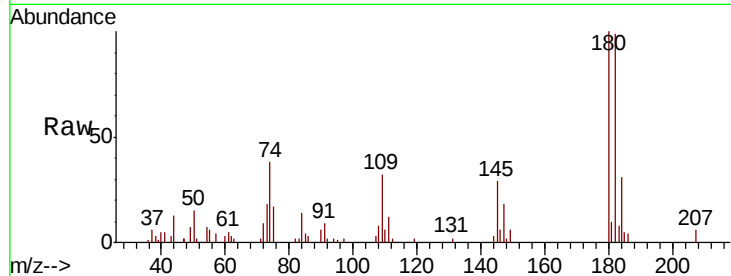




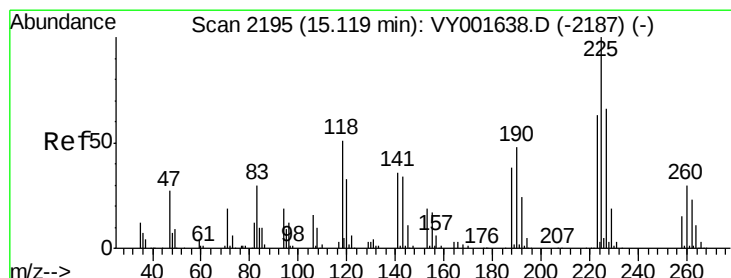
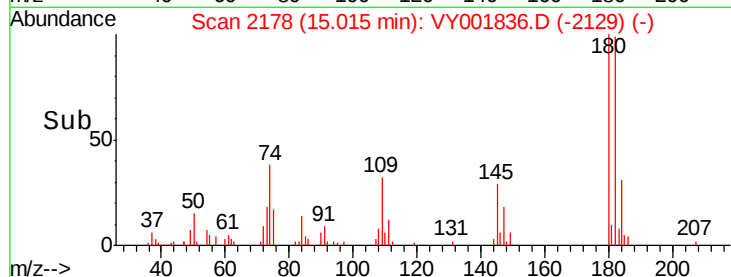
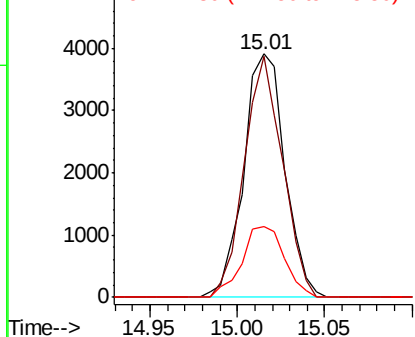
#93
 1,2,4-Trichlorobenzene
 Concen: 2.738 ug/l
 RT: 15.01 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:180 Resp: 6390
 Ion Ratio Lower Upper
 180 100
 182 91.6 46.8 140.3
 145 30.3 16.2 48.5

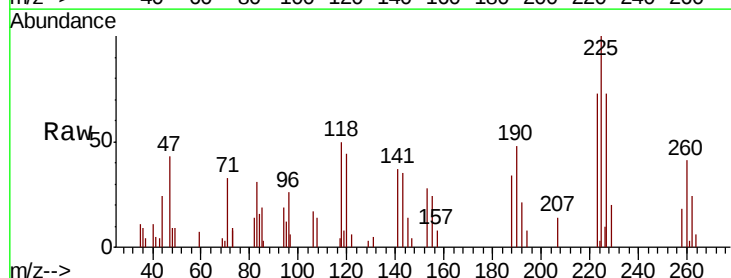


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

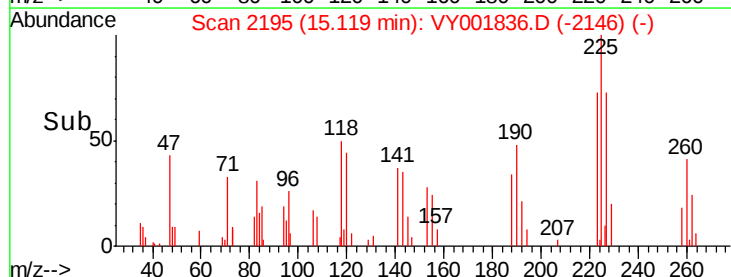
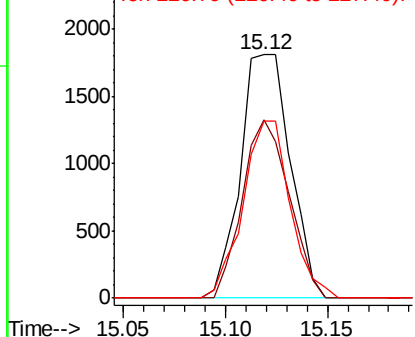


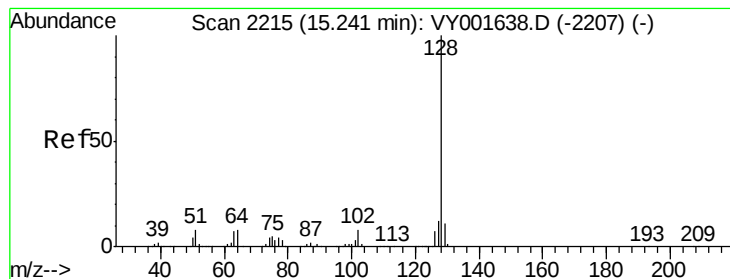
#94
 Hexachlorobutadiene
 Concen: 2.655 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001836.D
 Acq: 03 Mar 2020 15:42

Tgt Ion:225 Resp: 3082
 Ion Ratio Lower Upper
 225 100
 223 68.7 31.4 94.0
 227 69.2 31.6 94.8



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





#95

Naphthalene

Concen: 2.498 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

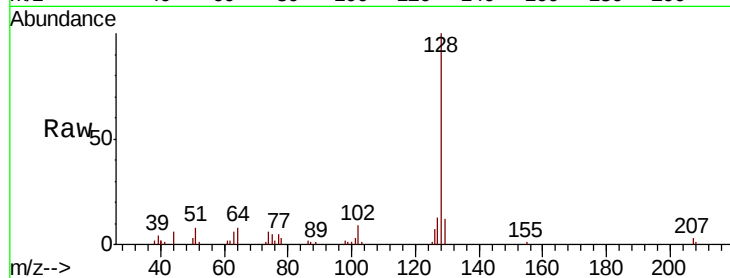
Tot Ion:128 Resp: 13443

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

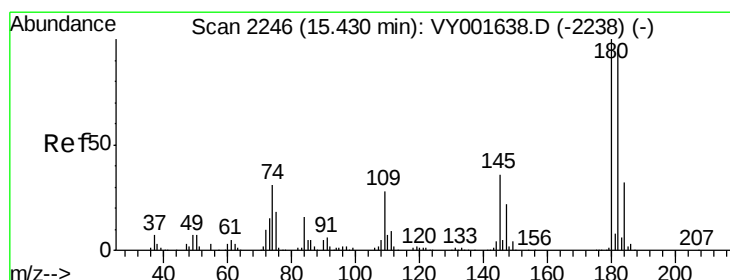
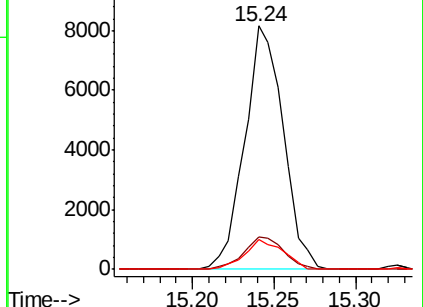
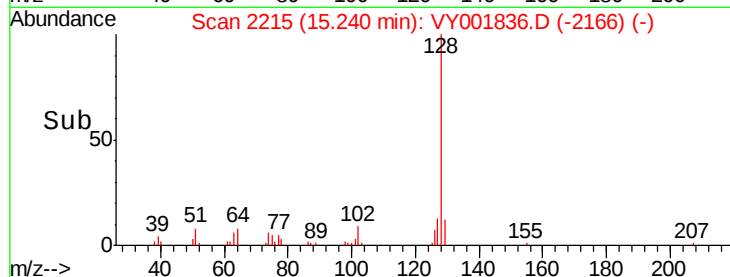
129 11.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.597 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001836.D

Acq: 03 Mar 2020 15:42

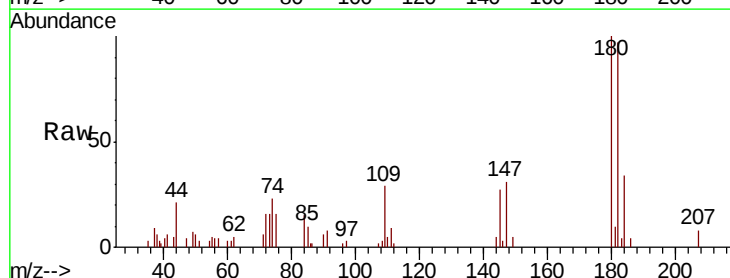
Tgt Ion:180 Resp: 5331

Ion Ratio Lower Upper

180 100

182 99.7 47.2 141.6

145 34.1 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

