

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001830.D
 Acq On : 03 Mar 2020 13:30
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 04 04:26:59 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	171772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	315656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	284695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	132495	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	91407	49.47	ug/l	-0.01
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	7.74	113	84728	46.86	ug/l	-0.01
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.19	98	343456	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.49	95	122629	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	8811	5.262	ug/l	95
3) Chloromethane	2.12	50	10551	4.685	ug/l	100
4) Vinyl Chloride	2.26	62	10085	4.440	ug/l	99
5) Bromomethane	2.66	94	7250	5.107	ug/l	97
6) Chloroethane	2.80	64	6576	4.698	ug/l	92
7) Trichlorofluoromethane	3.15	101	16394	5.639	ug/l	99
8) Diethyl Ether	3.55	74	5199	4.536	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	8598	4.705	ug/l	97
10) Methyl Iodide	4.11	142	8252	3.690	ug/l	99
11) Tert butyl alcohol	4.97	59	10322	40.261	ug/l #	84
12) 1,1-Dichloroethene	3.89	96	8438	4.527	ug/l	93
13) Acrolein	3.76	56	2883	15.450	ug/l	98
14) Allyl chloride	4.50	41	15924	4.801	ug/l	97
15) Acrylonitrile	5.20	53	14092	23.988	ug/l	99
16) Acetone	3.97	43	13352	20.885	ug/l	99
17) Carbon Disulfide	4.21	76	26323	4.230	ug/l	100
18) Methyl Acetate	4.50	43	11285	8.106	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	24580	4.737	ug/l	95
20) Methylene Chloride	4.74	84	19814	8.725	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	9703	4.563	ug/l	99
22) Diisopropyl ether	6.14	45	31025	4.555	ug/l	96
23) Vinyl Acetate	6.09	43	87341	19.657	ug/l	95
24) 1,1-Dichloroethane	6.05	63	17299	4.752	ug/l	99
25) 2-Butanone	7.01	43	19580	22.545	ug/l	97
26) 2,2-Dichloropropane	7.00	77	15336	4.842	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	10816	4.608	ug/l	99
28) Bromochloromethane	7.35	49	6416	4.231	ug/l #	98
29) Tetrahydrofuran	7.37	42	12310	23.451	ug/l	99
30) Chloroform	7.53	83	17017	4.784	ug/l	99
31) Cyclohexane	7.80	56	20428	5.263	ug/l #	72
32) 1,1,1-Trichloroethane	7.72	97	13419	4.488	ug/l	96
36) 1,1-Dichloropropene	7.93	75	13250	4.395	ug/l	99
37) Ethyl Acetate	7.10	43	8460	4.701	ug/l	98
38) Carbon Tetrachloride	7.92	117	11250	4.248	ug/l	93

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

39) Methylcyclohexane	9.19	83	17434	4.358	ug/l	95
40) Benzene	8.17	78	40464	4.563	ug/l	95
41) Methacrylonitrile	7.34	41	4745	5.251	ug/l #	86
42) 1,2-Dichloroethane	8.25	62	10719	4.437	ug/l	98
43) Isopropyl Acetate	8.29	43	15236	4.462	ug/l	99
44) Trichloroethene	8.95	130	10009	4.521	ug/l	94
45) 1,2-Dichloropropane	9.22	63	9922	4.468	ug/l	91
46) Dibromomethane	9.32	93	5444	4.687	ug/l	98
47) Bromodichloromethane	9.51	83	11868	4.233	ug/l	89
48) Methyl methacrylate	9.30	41	6733	4.360	ug/l	98
49) 1,4-Dioxane	9.32	88	1412	86.066	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	39968	22.783	ug/l	97
52) Toluene	10.25	92	23715	4.287	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	12844	4.144	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	15595	4.372	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	7900	4.612	ug/l	93
56) Ethyl methacrylate	10.52	69	10757	4.186	ug/l	97
57) 1,3-Dichloropropane	10.80	76	13688	4.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	24408	22.747	ug/l	100
59) 2-Hexanone	10.84	43	27264	20.713	ug/l	100
60) Dibromochloromethane	10.99	129	7564	4.006	ug/l	97
61) 1,2-Dibromoethane	11.10	107	7150	4.415	ug/l	97
64) Tetrachloroethene	10.72	164	8519	4.767	ug/l	96
65) Chlorobenzene	11.52	112	25268	4.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	7882	4.111	ug/l	96
67) Ethyl Benzene	11.60	91	46543	4.413	ug/l	95
68) m/p-Xylenes	11.70	106	34665	8.798	ug/l	98
69) o-Xylene	12.03	106	16495	4.404	ug/l	96
70) Styrene	12.05	104	27886	4.284	ug/l	99
71) Bromoform	12.21	173	4472	4.081	ug/l #	93
73) Isopropylbenzene	12.33	105	43712	4.331	ug/l	98
74) N-amyl acetate	12.15	43	12991	4.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	9600	4.454	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	12056	7.932	ug/l #	100
77) Bromobenzene	12.61	156	10035	4.586	ug/l	91
78) n-propylbenzene	12.67	91	53350	4.340	ug/l	100
79) 2-Chlorotoluene	12.76	91	30191	4.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	35499	4.249	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3183	3.973	ug/l	95
82) 4-Chlorotoluene	12.86	91	31139	4.282	ug/l	98
83) tert-Butylbenzene	13.08	119	29945	4.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	36299	4.358	ug/l	99
85) sec-Butylbenzene	13.26	105	43781	4.260	ug/l	98
86) p-Isopropyltoluene	13.38	119	38571	4.320	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	19103	4.502	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	19221	4.481	ug/l	91
89) n-Butylbenzene	13.70	91	39585	4.339	ug/l	99
90) Hexachloroethane	13.97	117	6763	4.020	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	17240	4.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1551	4.361	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	11290	4.350	ug/l	96
94) Hexachlorobutadiene	15.12	225	5551	4.301	ug/l	98
95) Naphthalene	15.24	128	27042	4.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	10265	4.496	ug/l	97

(#) = 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: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

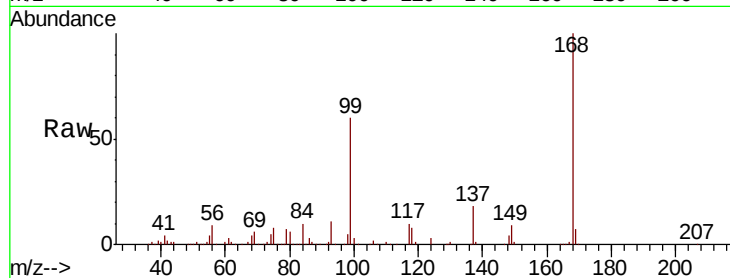
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 171772

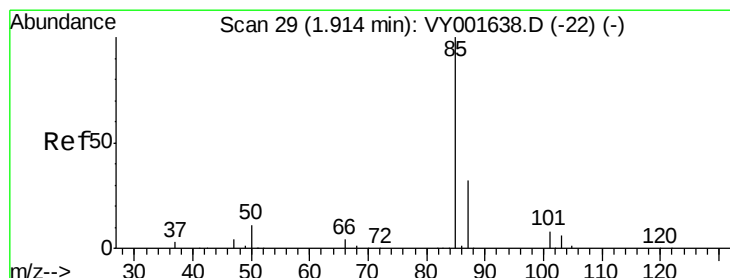
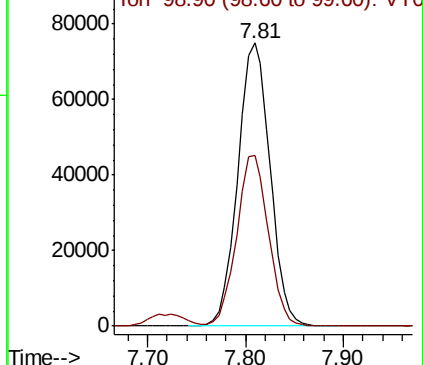
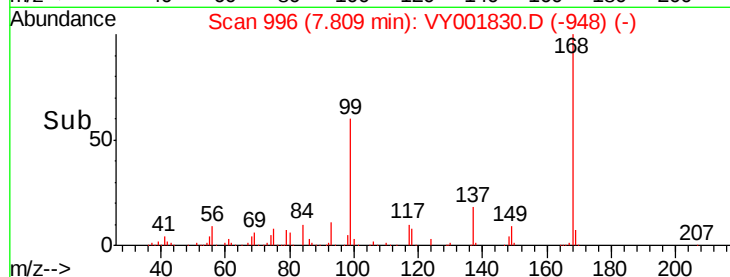
Ion Ratio Lower Upper

168 100

99 60.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001830.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 5.262 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001830.D

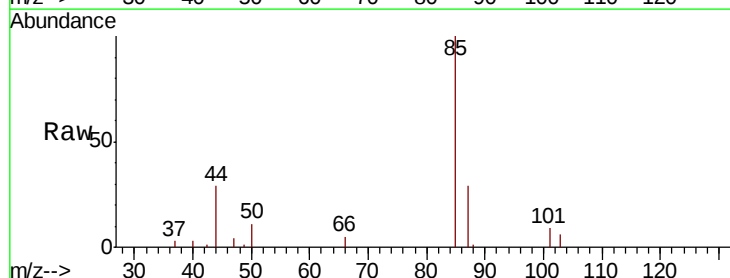
Acq: 03 Mar 2020 13:30

Tgt Ion: 85 Resp: 8811

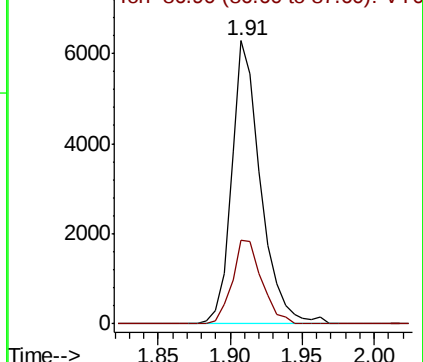
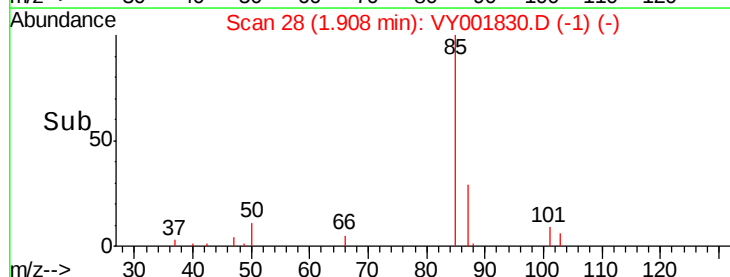
Ion Ratio Lower Upper

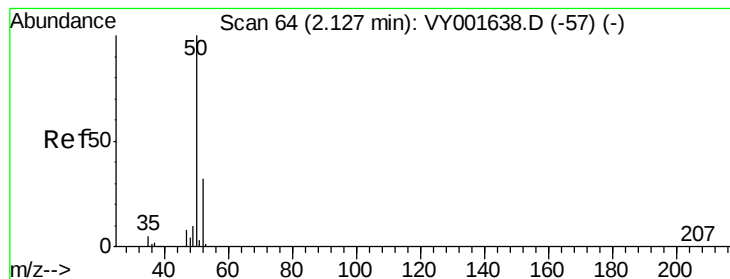
85 100

87 29.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001830.D (-1) (-)





#3

Chloromethane

Concen: 4.685 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

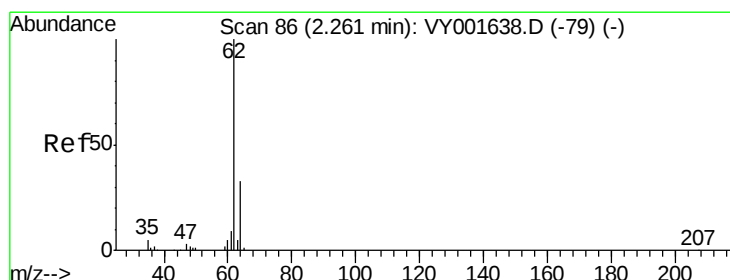
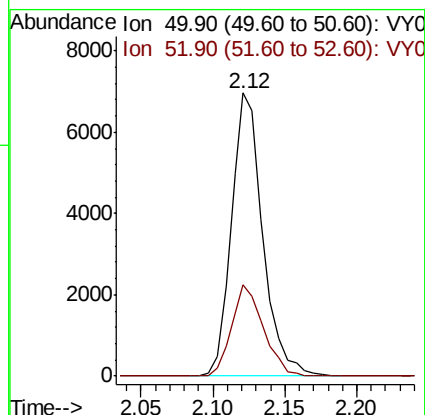
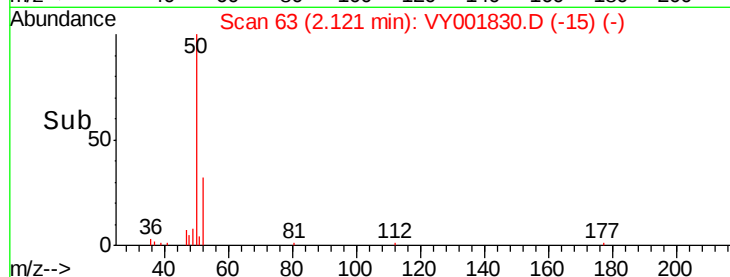
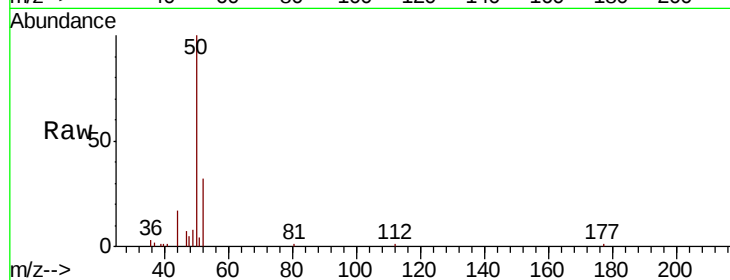
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 10551

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 4.440 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001830.D

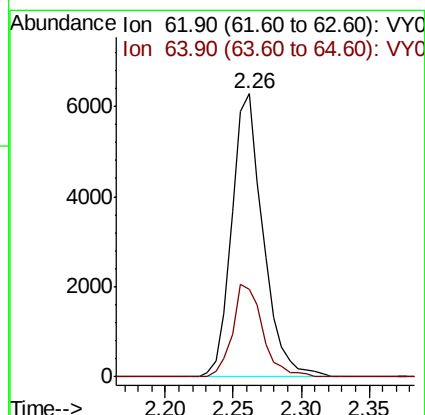
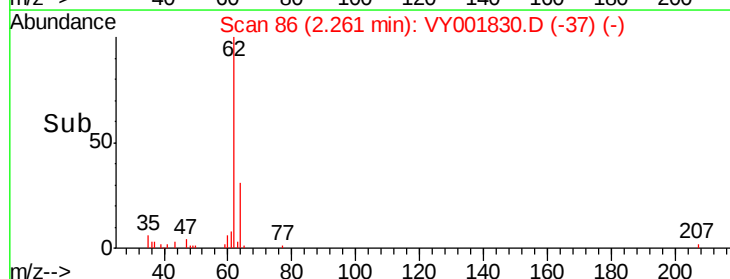
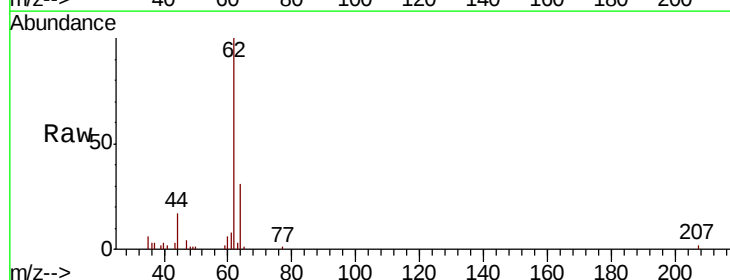
Acq: 03 Mar 2020 13:30

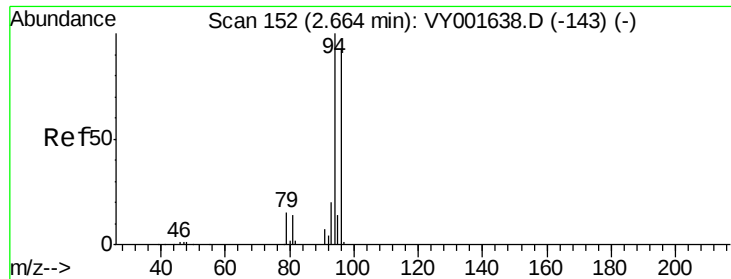
Tgt Ion: 62 Resp: 10085

Ion Ratio Lower Upper

62 100

64 30.7 24.9 37.3





#5

Bromomethane

Concen: 5.107 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

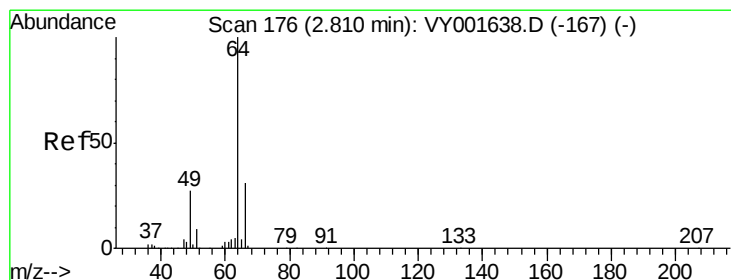
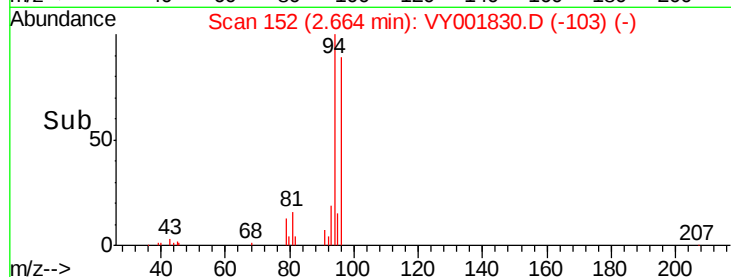
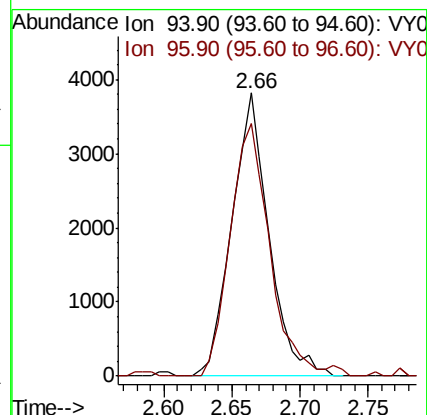
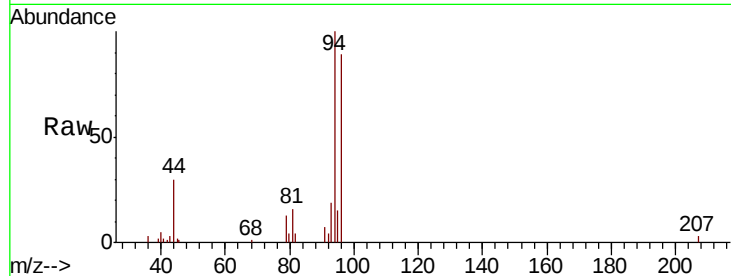
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 7250

Ion Ratio Lower Upper

94 100

96 89.5 73.7 110.5



#6

Chloroethane

Concen: 4.698 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001830.D

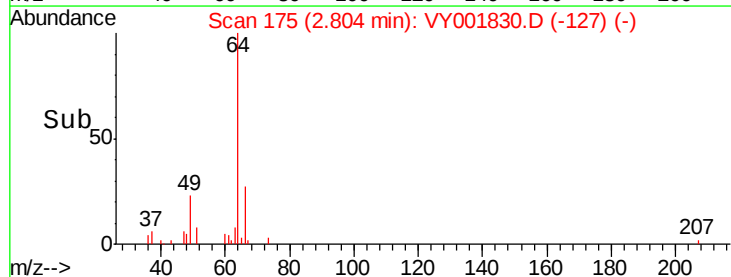
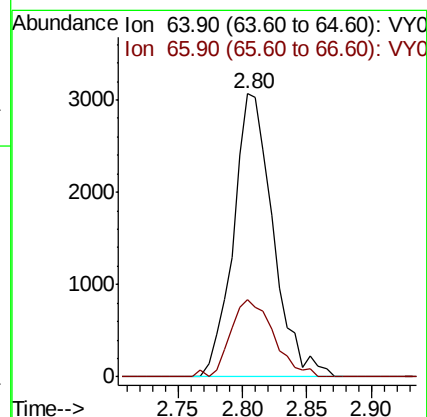
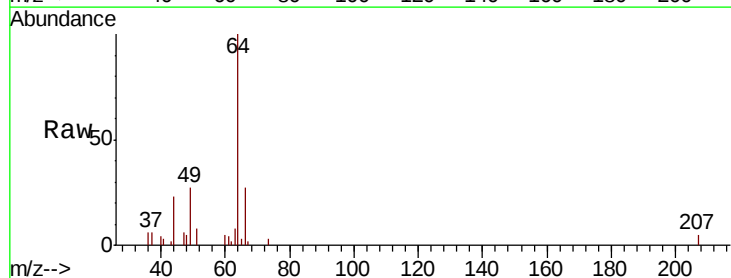
Acq: 03 Mar 2020 13:30

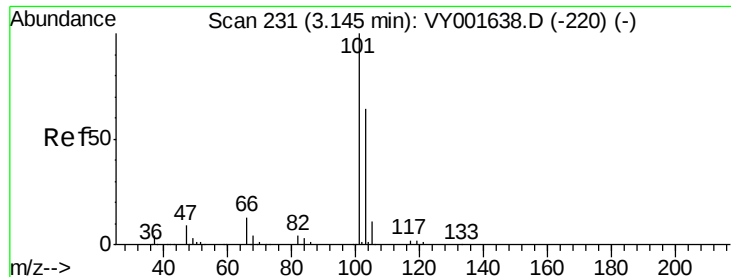
Tgt Ion: 64 Resp: 6576

Ion Ratio Lower Upper

64 100

66 27.2 25.5 38.3



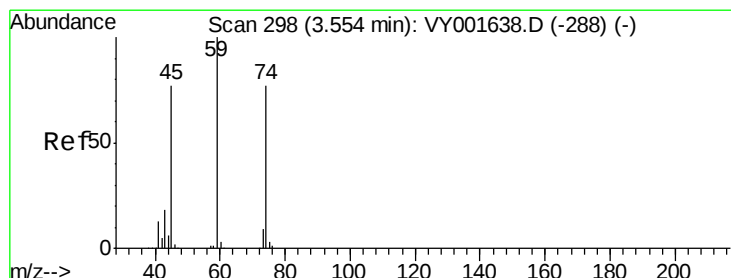
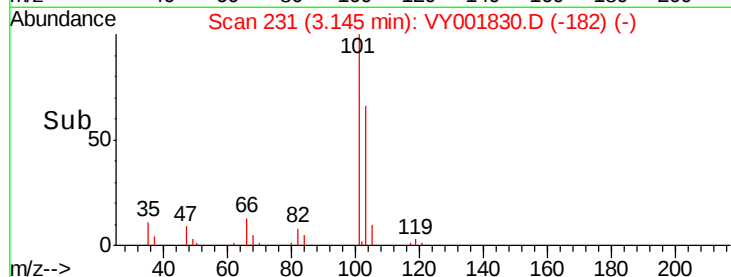
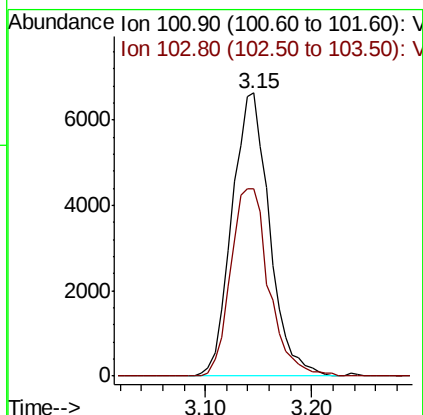
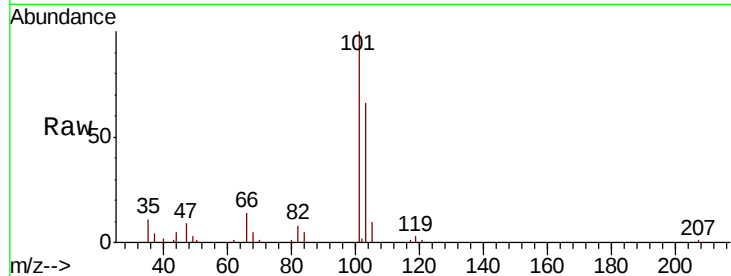


#7

Trichlorofluoromethane
 Concen: 5.639 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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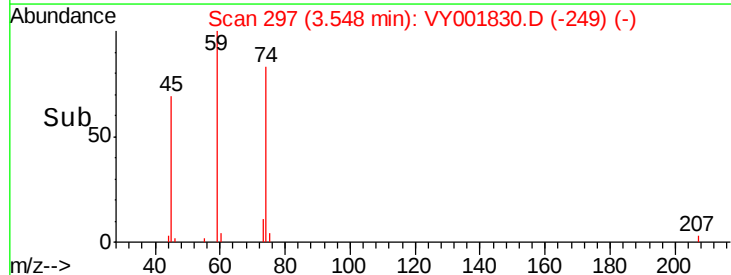
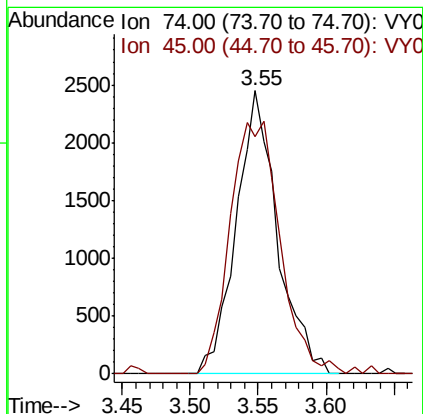
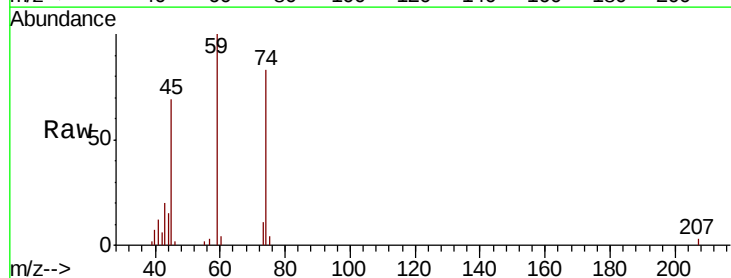
Tot Ion:101 Resp: 16394
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.2 78.2

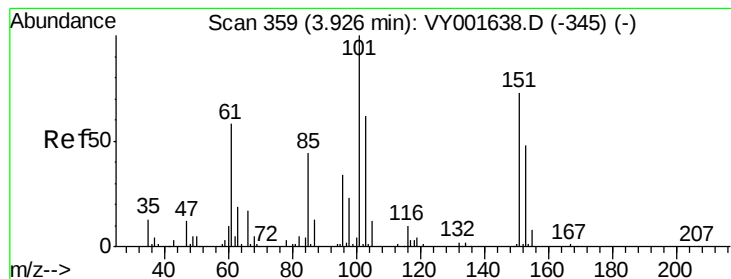


#8

Diethyl Ether
 Concen: 4.536 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 74 Resp: 5199
 Ion Ratio Lower Upper
 74 100
 45 107.9 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.705 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

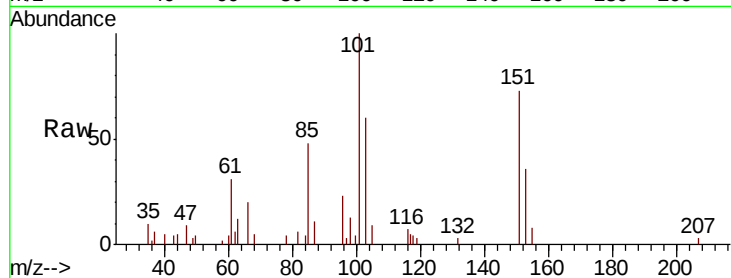
Tot Ion:101 Resp: 8598

Ion Ratio Lower Upper

101 100

85 44.2 35.1 52.7

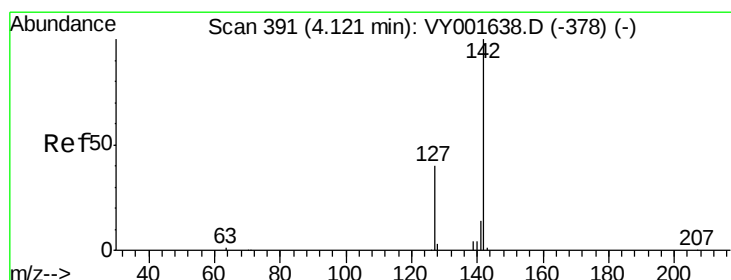
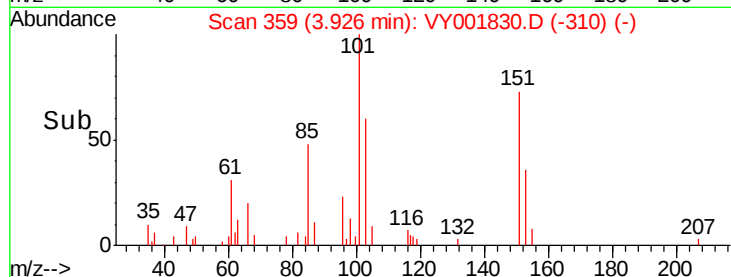
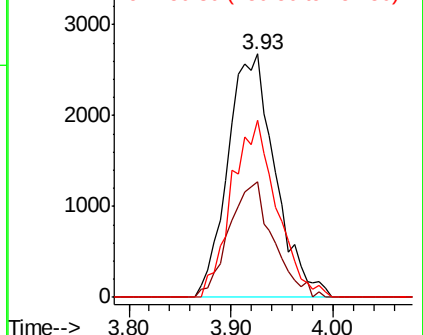
151 69.5 58.4 87.6



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: 3.690 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

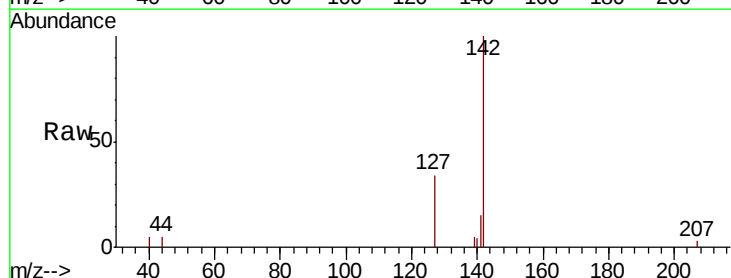
Tgt Ion:142 Resp: 8252

Ion Ratio Lower Upper

142 100

127 40.7 32.1 48.1

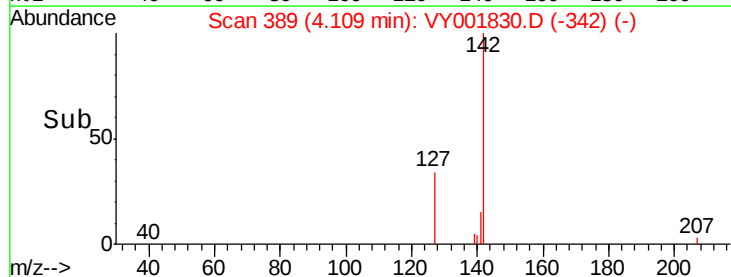
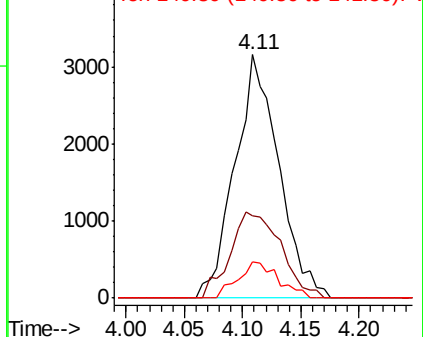
141 13.8 11.3 16.9

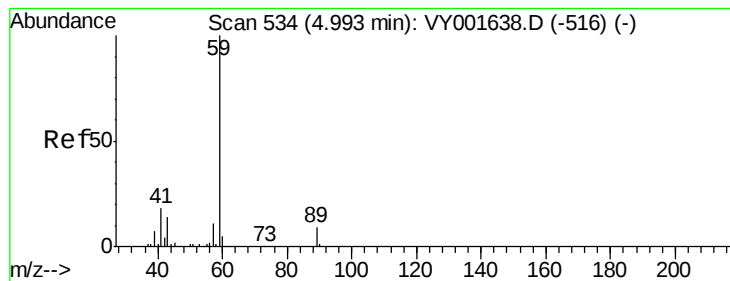


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



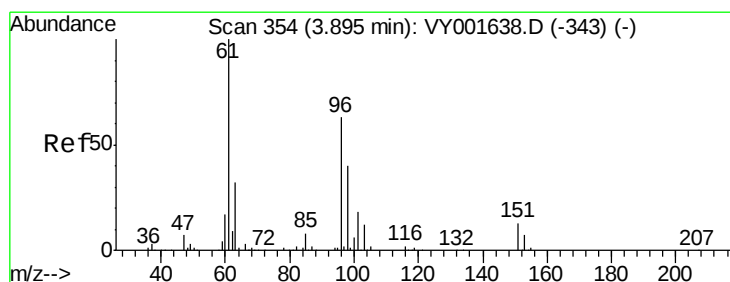
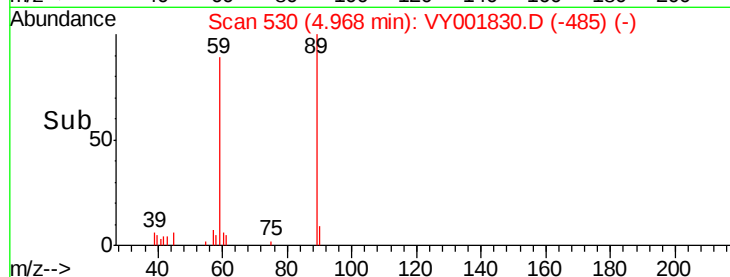
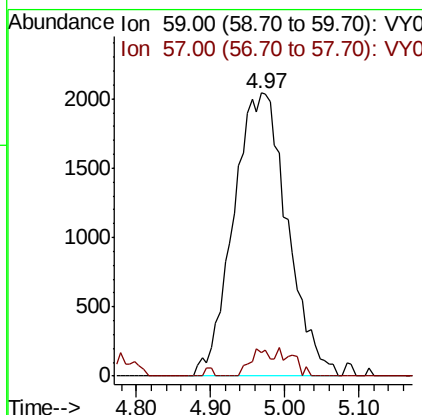
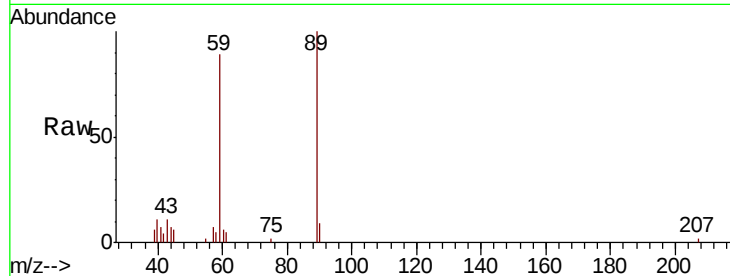


#11

Tert butyl alcohol
 Concen: 40.261 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

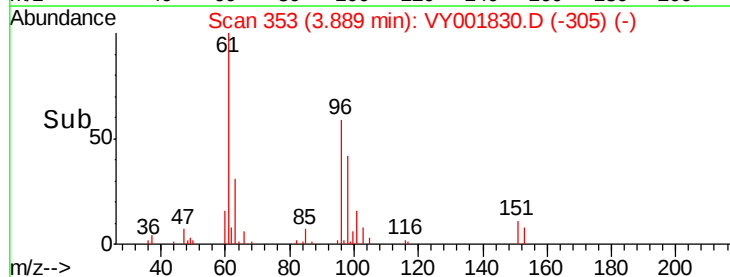
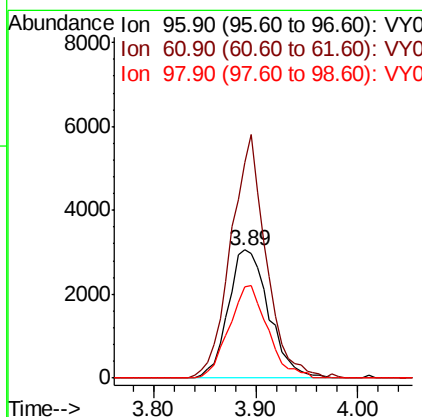
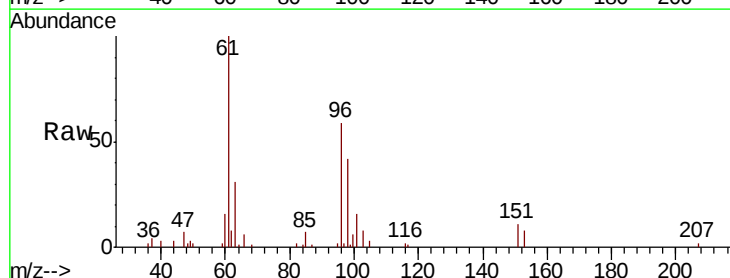
Tot Ion: 59 Resp: 10322
 Ion Ratio Lower Upper
 59 100
 57 3.3 7.4 11.2#

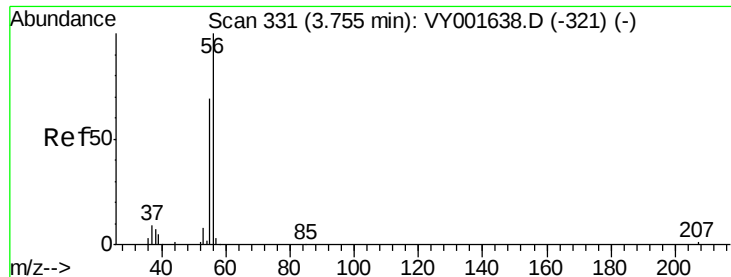


#12

1,1-Dichloroethene
 Concen: 4.527 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 96 Resp: 8438
 Ion Ratio Lower Upper
 96 100
 61 168.3 128.7 193.1
 98 71.2 50.7 76.1





#13

Acrolein

Concen: 15.450 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

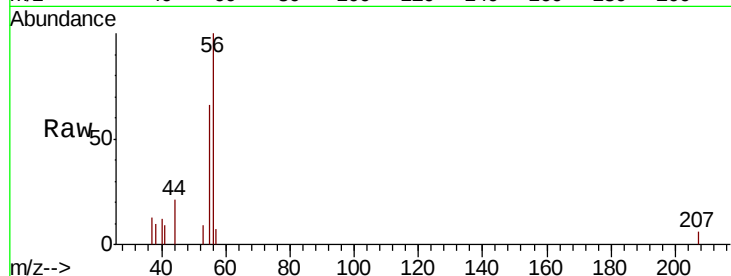
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 2883

Ion Ratio Lower Upper

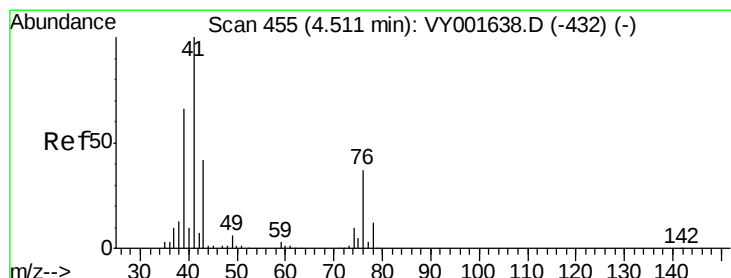
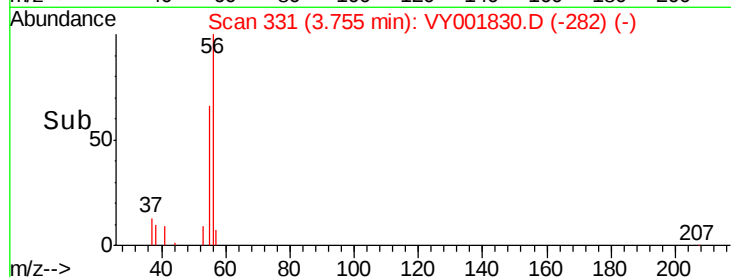
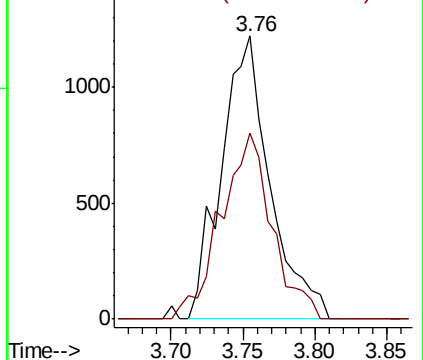
56 100

55 68.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.801 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

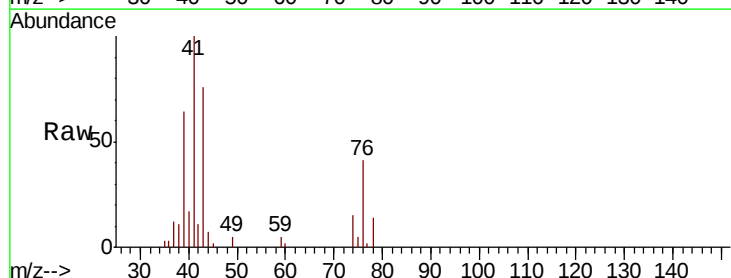
Tgt Ion: 41 Resp: 15924

Ion Ratio Lower Upper

41 100

39 60.5 49.4 74.0

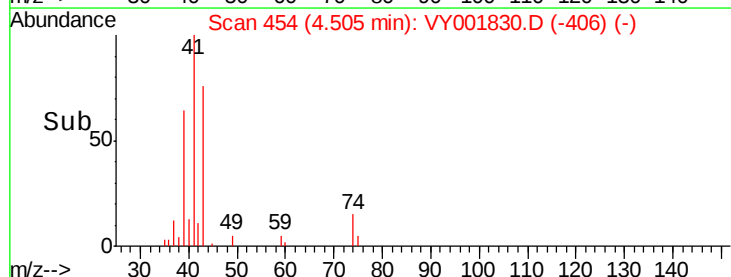
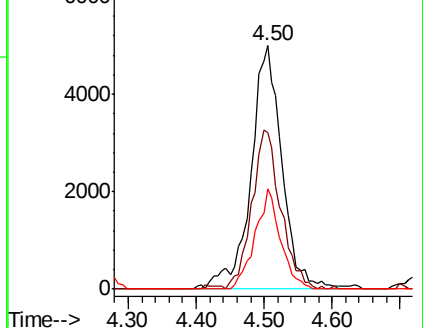
76 33.8 29.0 43.6

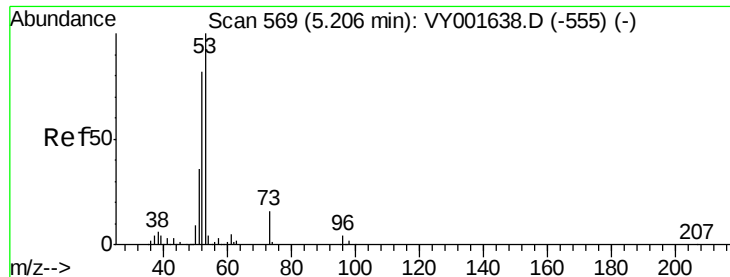


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 23.988 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

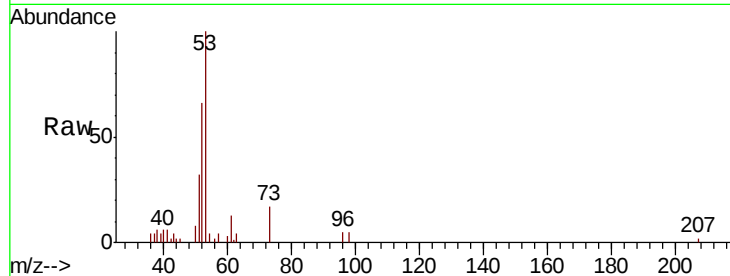
Tot Ion: 53 Resp: 14092

Ion Ratio Lower Upper

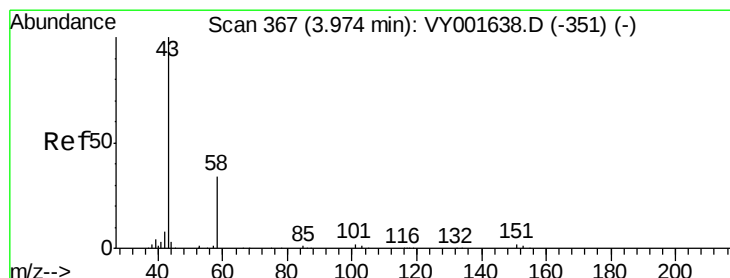
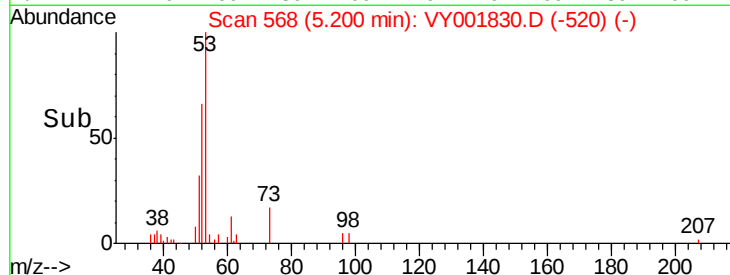
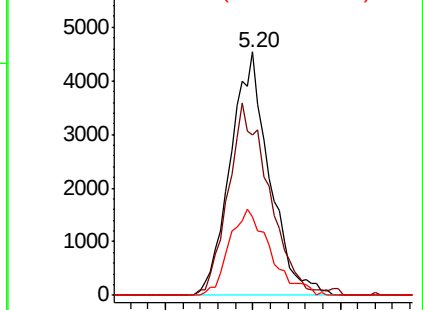
53 100

52 82.1 65.4 98.0

51 37.2 28.0 42.0



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



#16

Acetone

Concen: 20.885 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001830.D

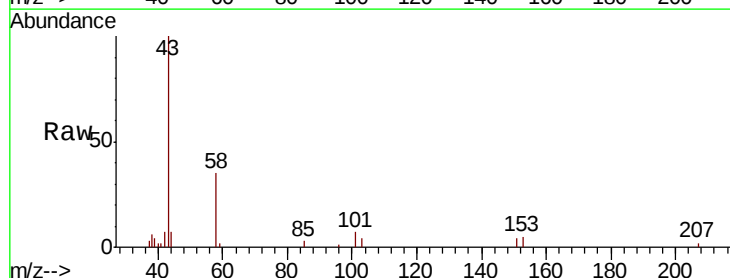
Acq: 03 Mar 2020 13:30

Tgt Ion: 43 Resp: 13352

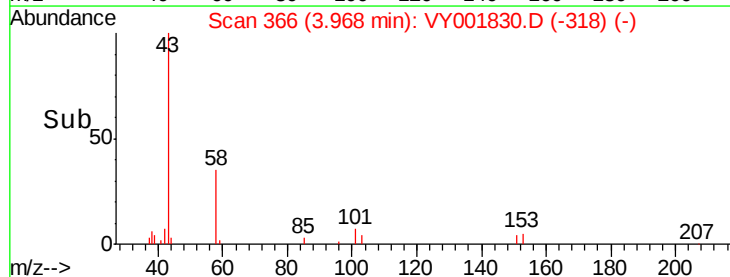
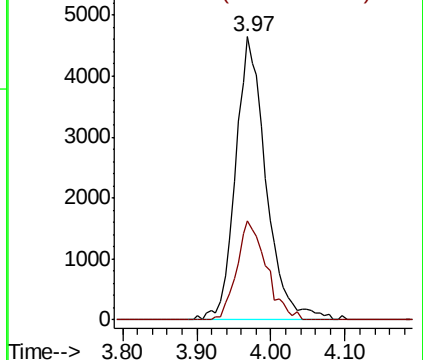
Ion Ratio Lower Upper

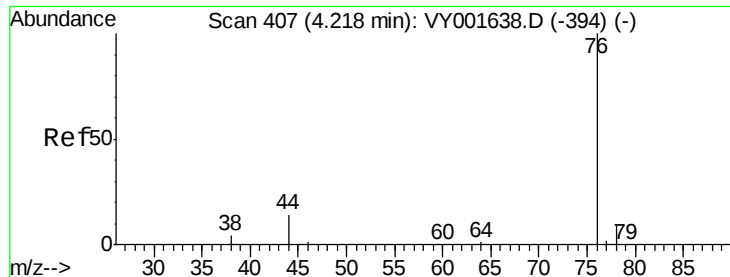
43 100

58 34.8 27.3 40.9



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

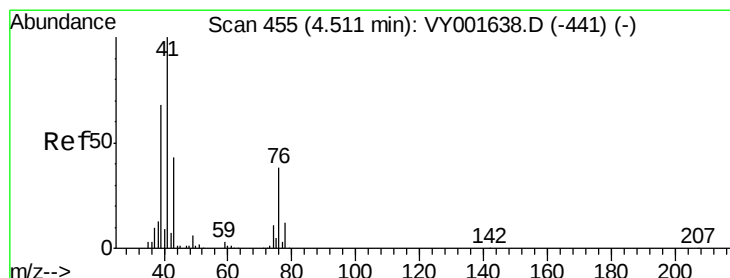
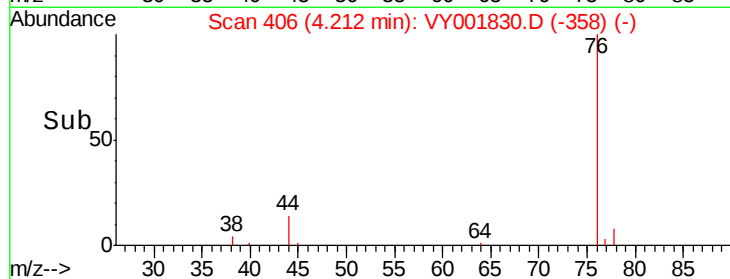
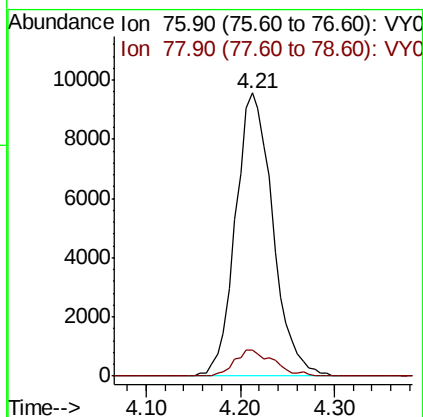
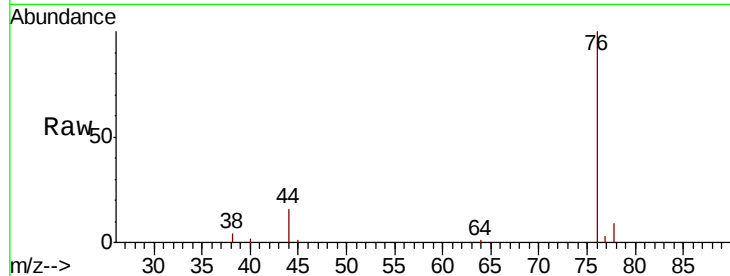




#17
Carbon Disulfide
Concen: 4.230 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

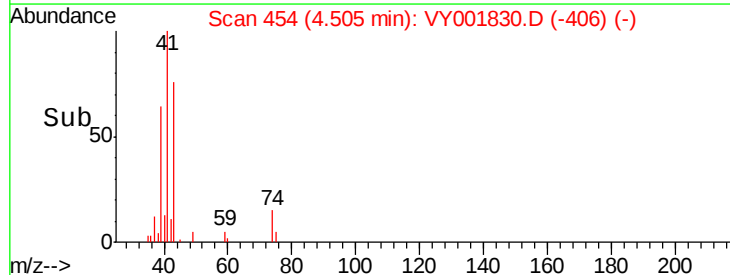
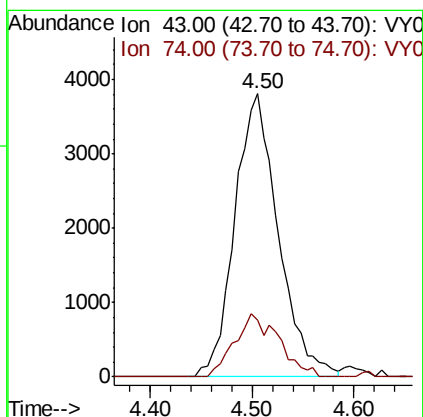
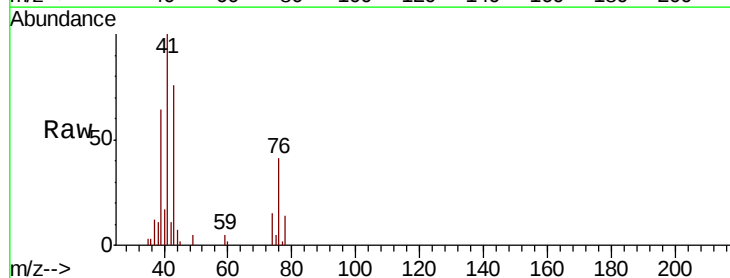
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

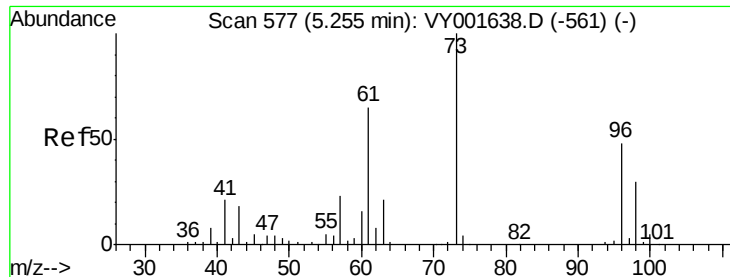
Tot Ion: 76 Resp: 26323
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 8.106 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 43 Resp: 11285
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7

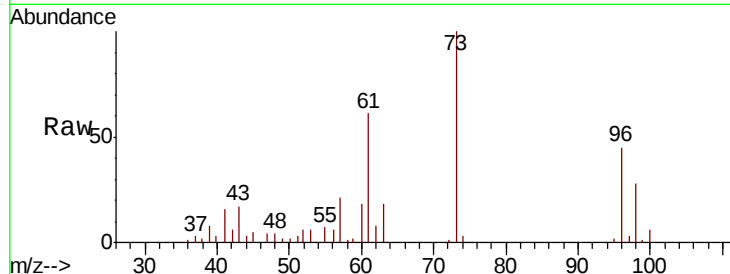




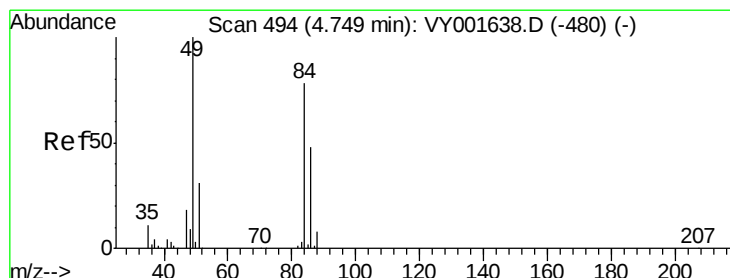
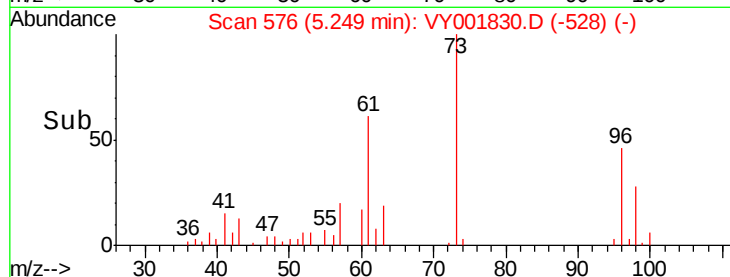
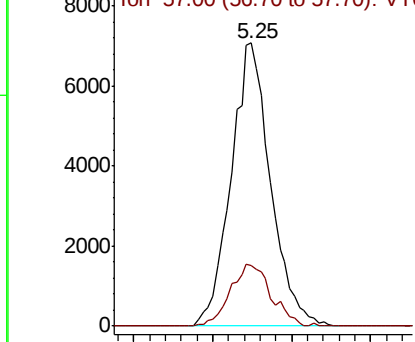
#19
Methyl tert-butyl Ether
Concen: 4.737 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 73 Resp: 24580
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6

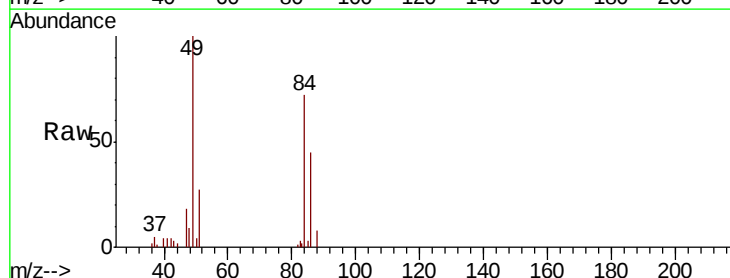


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

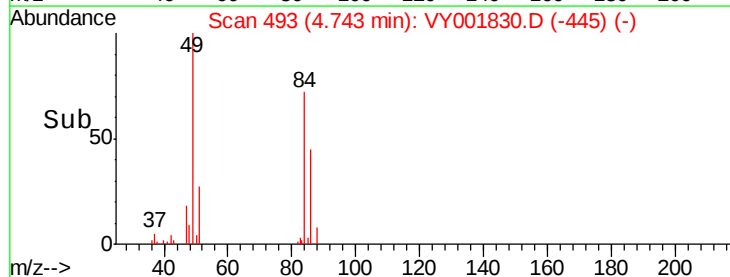
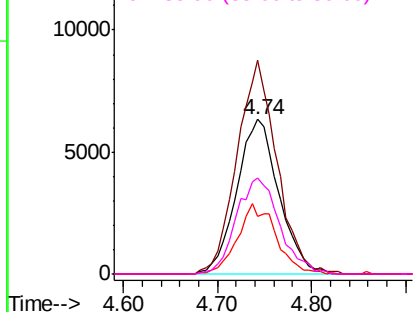


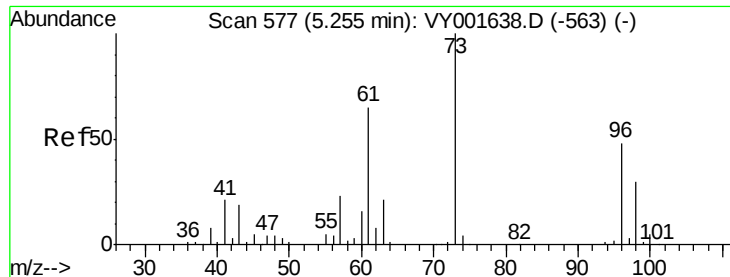
#20
Methylene Chloride
Concen: 8.725 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 84 Resp: 19814
Ion Ratio Lower Upper
84 100
49 137.9 99.2 148.8
51 37.6 31.5 47.3
86 62.2 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 4.563 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

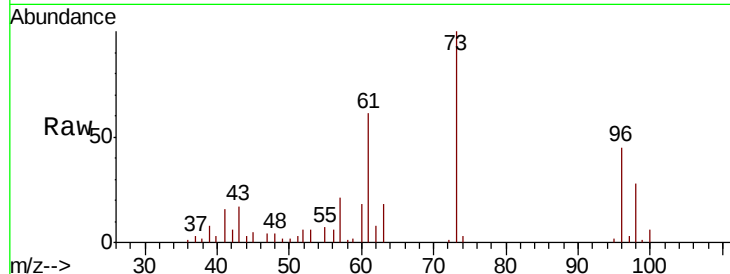
Tot Ion: 96 Resp: 9703

Ion Ratio Lower Upper

96 100

61 137.0 107.9 161.9

98 62.3 49.8 74.8

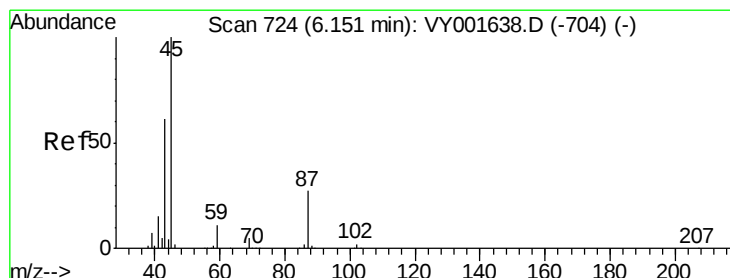
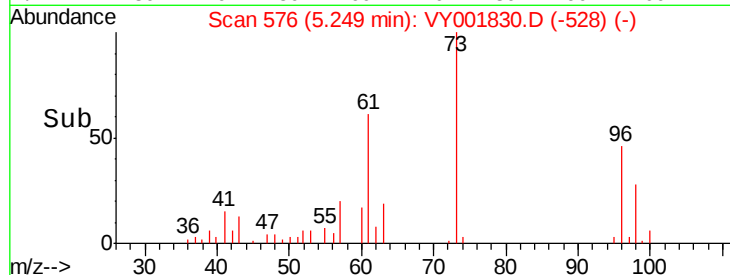
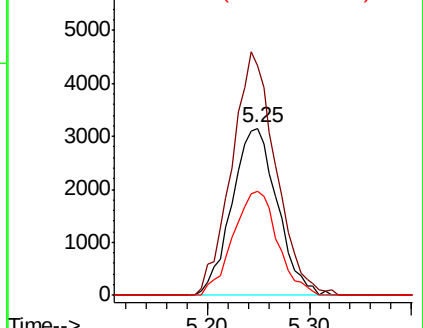


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 4.555 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion: 45 Resp: 31025

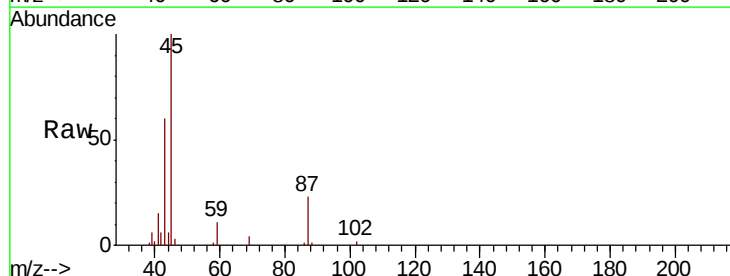
Ion Ratio Lower Upper

45 100

43 59.6 46.4 69.6

87 22.8 22.1 33.1

59 10.6 9.4 14.0



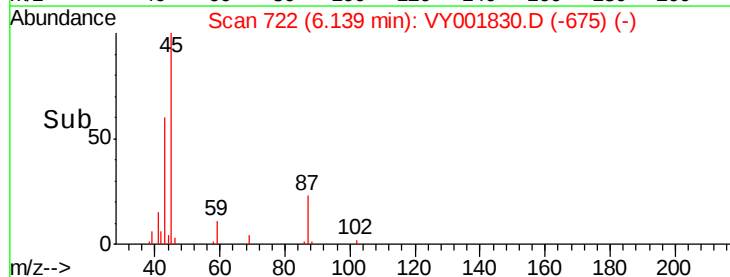
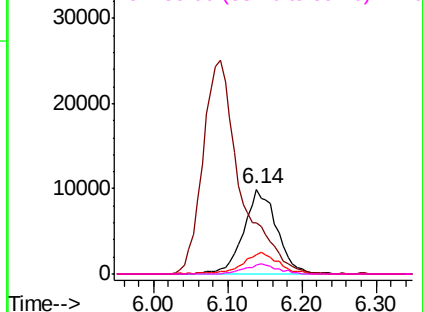
Abundance

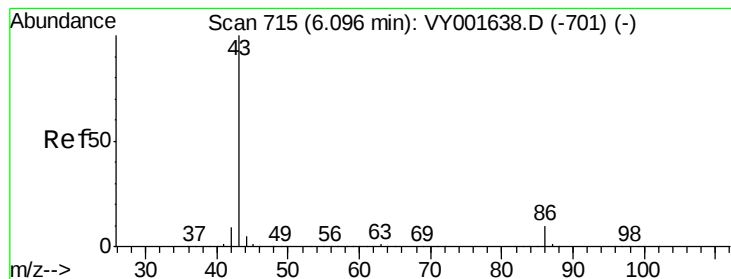
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 19.657 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

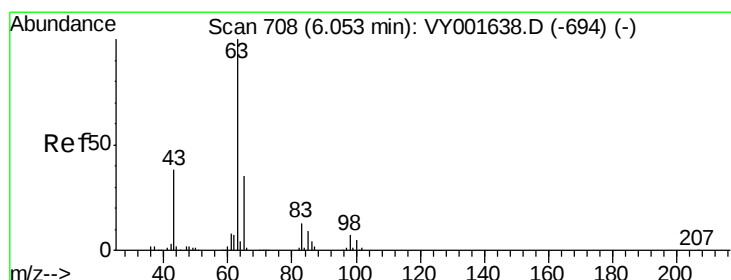
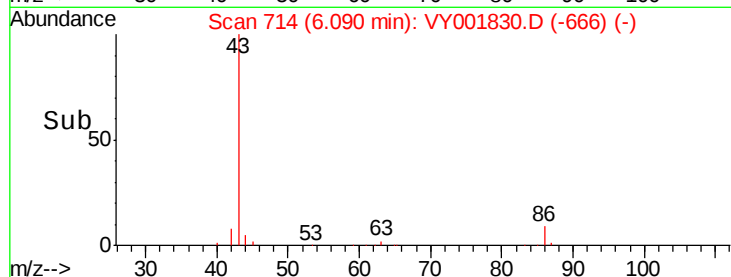
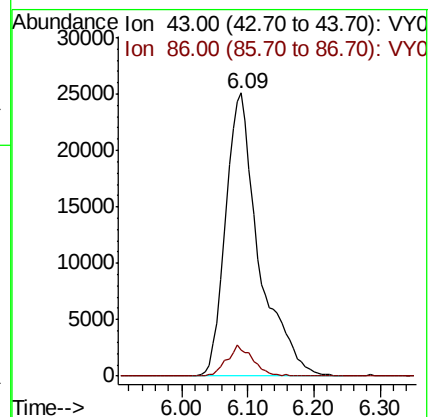
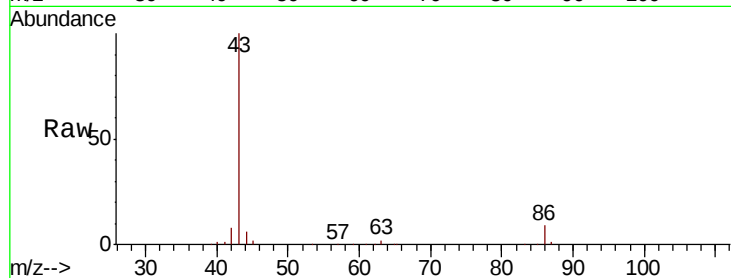
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 87341

Ion Ratio Lower Upper

43 100

86 9.2 8.8 13.2



#24

1,1-Dichloroethane

Concen: 4.752 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

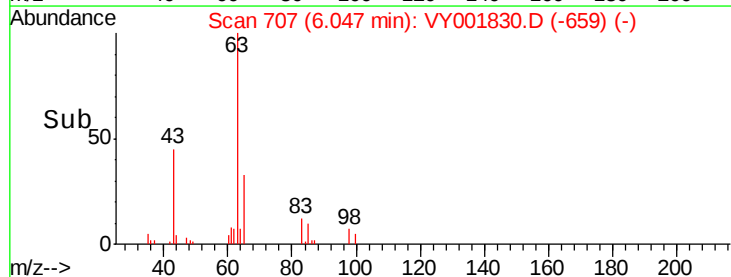
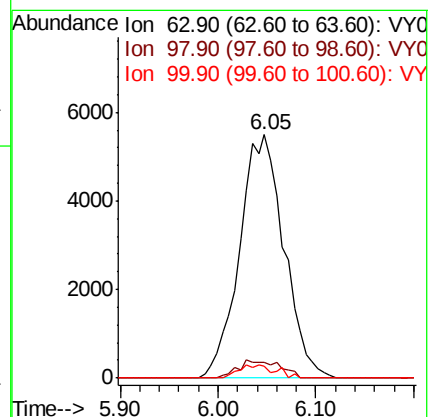
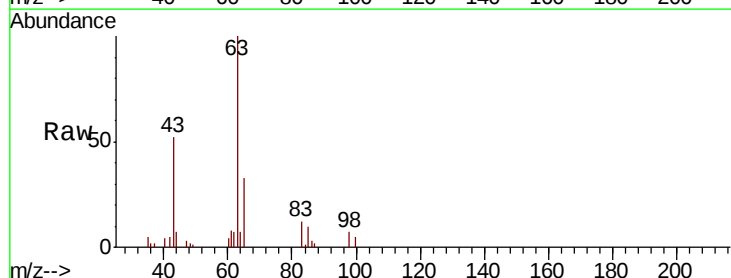
Tgt Ion: 63 Resp: 17299

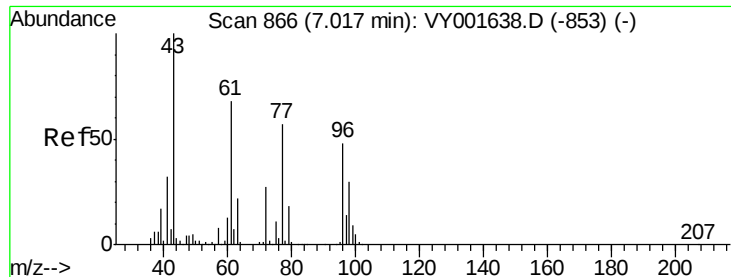
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.9 2.3 6.9





#25

2-Butanone

Concen: 22.545 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

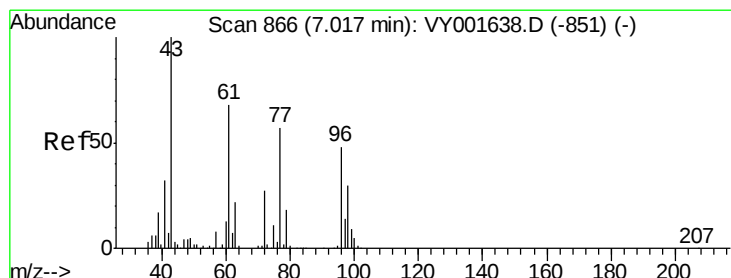
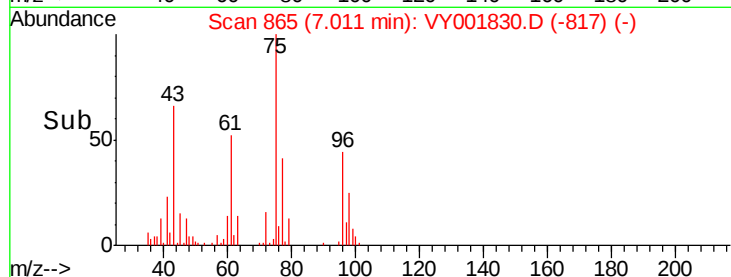
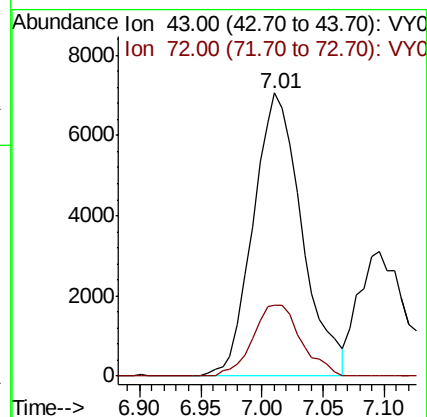
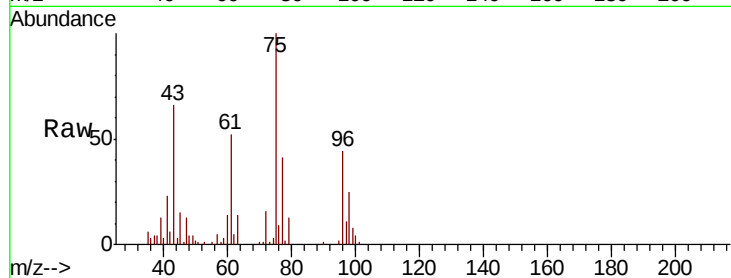
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 19580

Ion Ratio Lower Upper

43 100

72 24.9 21.2 31.8



#26

2,2-Dichloropropane

Concen: 4.842 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001830.D

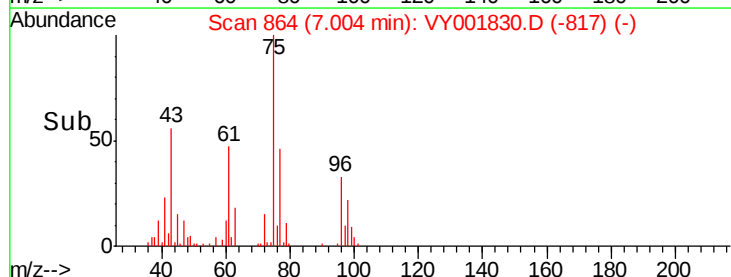
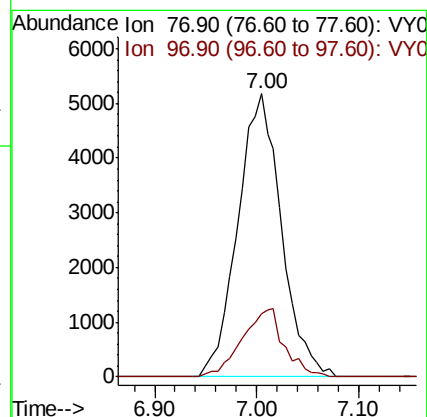
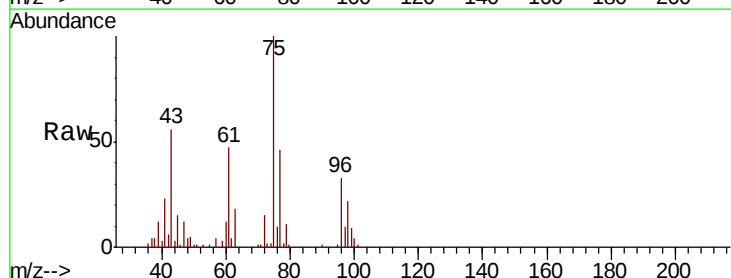
Acq: 03 Mar 2020 13:30

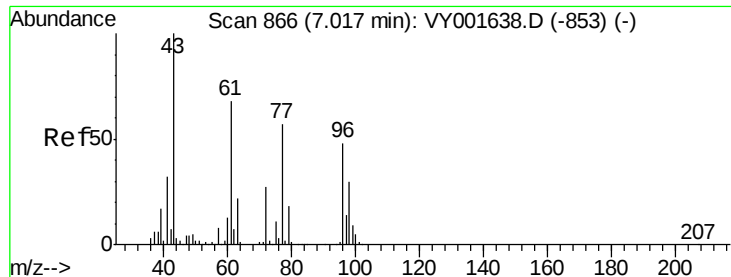
Tgt Ion: 77 Resp: 15336

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4



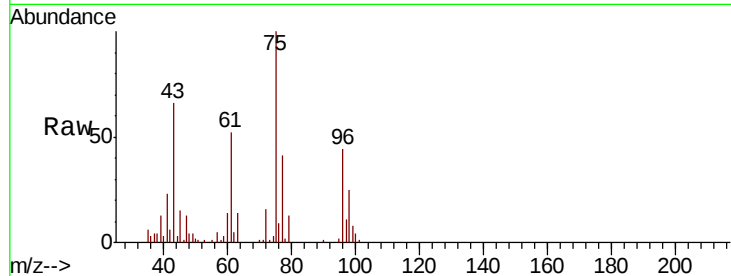


#27

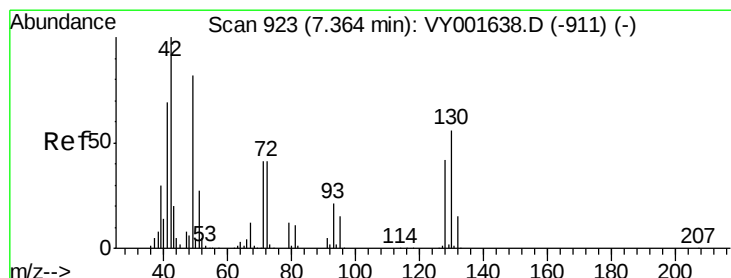
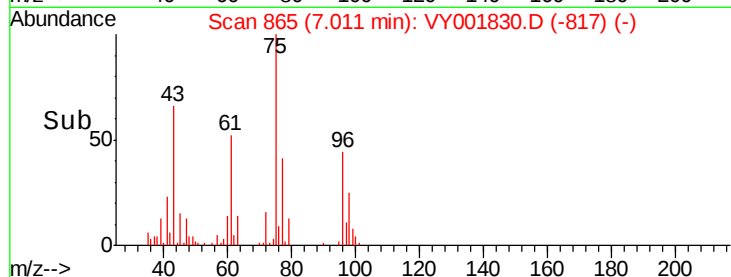
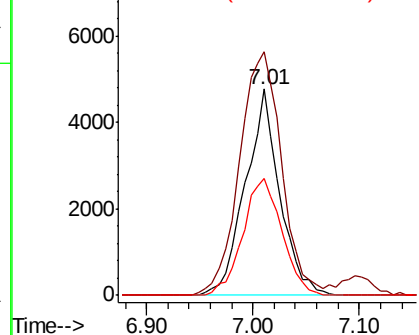
cis-1,2-Dichloroethene
Concen: 4.608 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion	96	Resp	10816
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	290.8
98	64.2	0.0	128.6



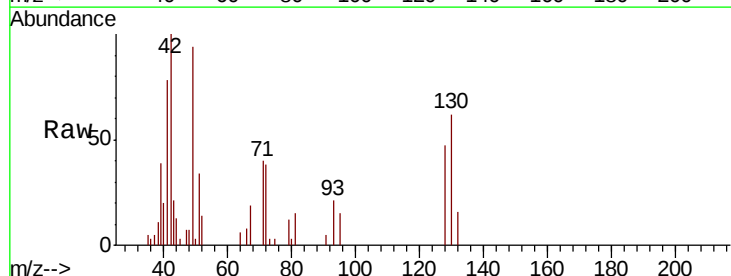
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



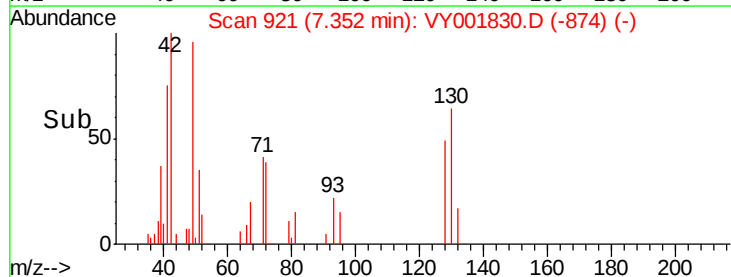
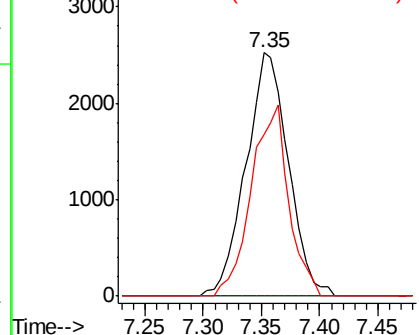
#28

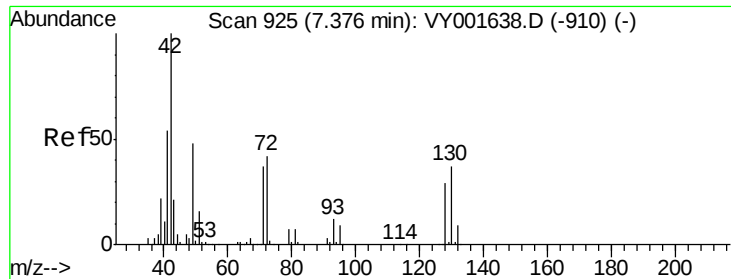
Bromochloromethane
Concen: 4.231 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion	49	Resp	6416
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	68.8	56.2	84.4



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

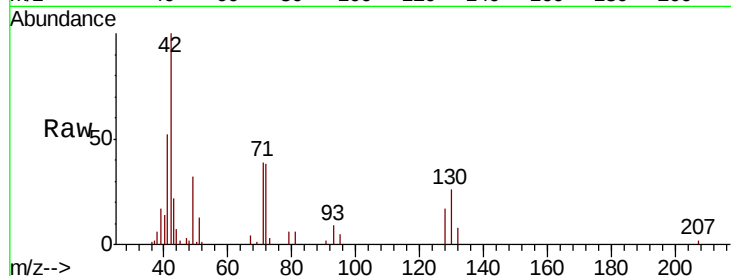




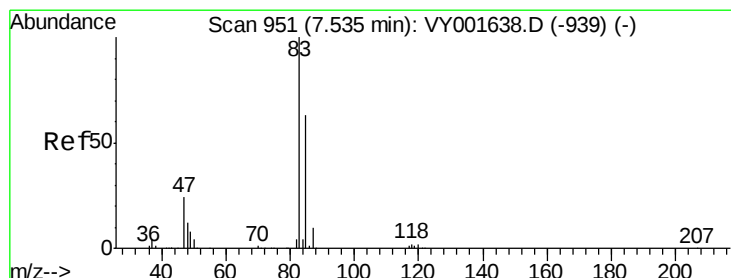
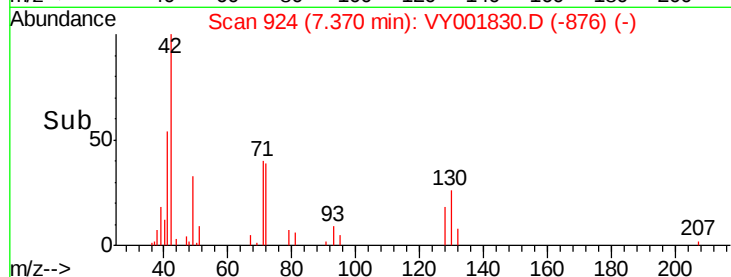
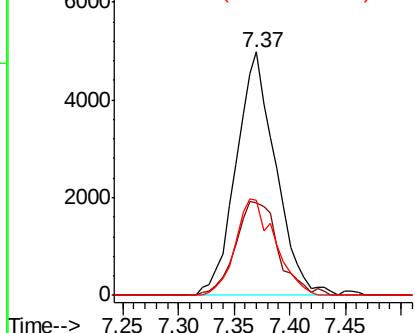
#29
Tetrahydrofuran
Concen: 23.451 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 42 Resp: 12310
Ion Ratio Lower Upper
42 100
72 41.9 34.4 51.6
71 39.7 31.8 47.8

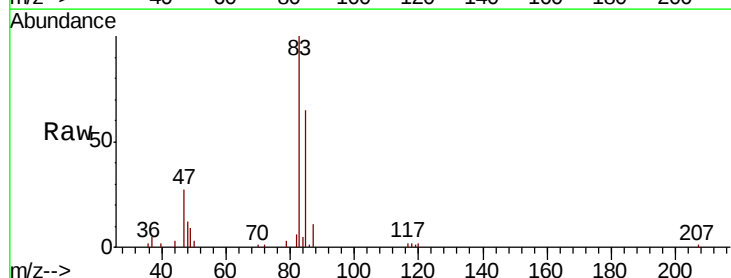


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

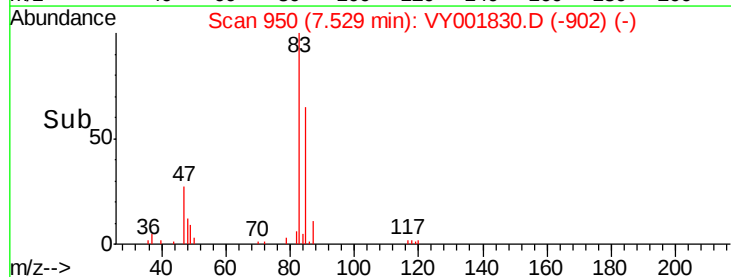
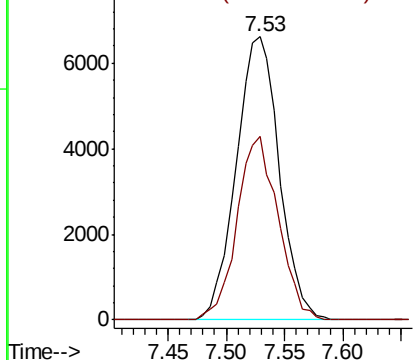


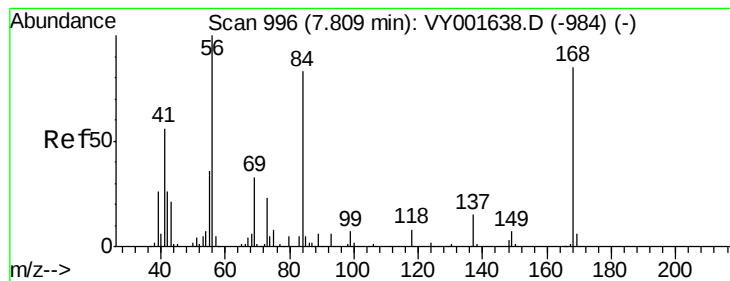
#30
Chloroform
Concen: 4.784 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 83 Resp: 17017
Ion Ratio Lower Upper
83 100
85 64.9 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: 5.263 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

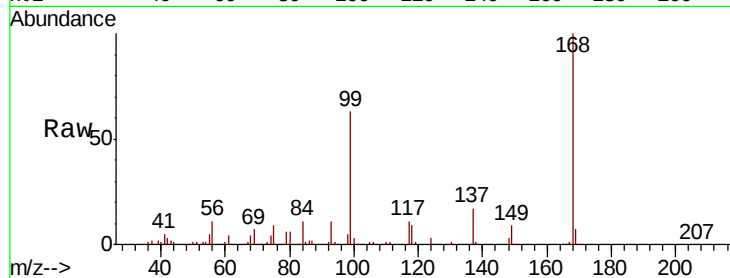
Tot Ion: 56 Resp: 20428

Ion Ratio Lower Upper

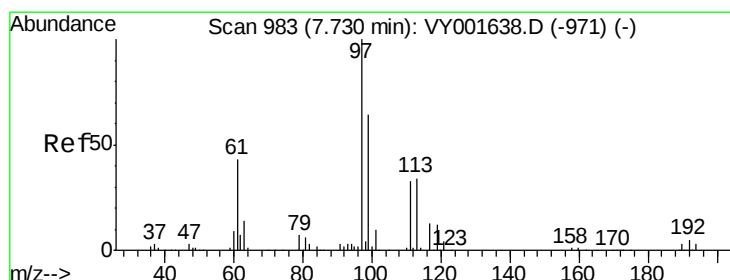
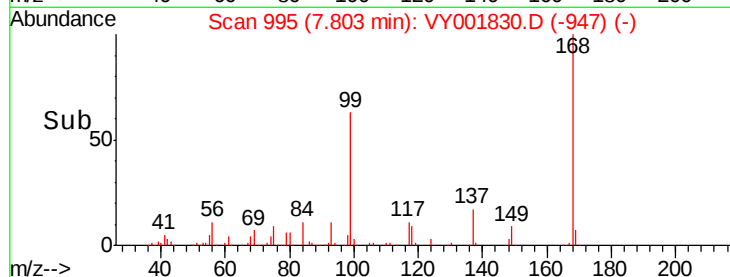
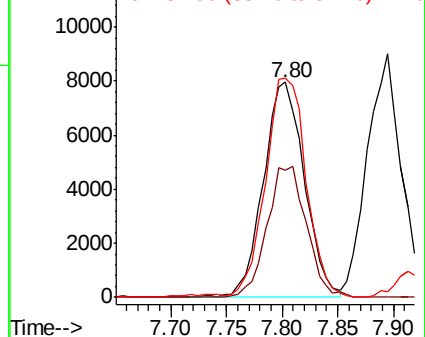
56 100

69 59.2 25.1 37.7#

84 101.0 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: 4.488 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

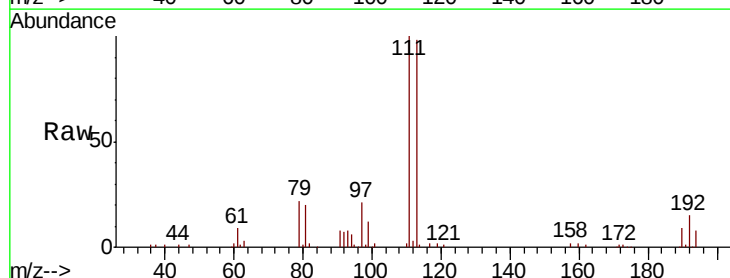
Tgt Ion: 97 Resp: 13419

Ion Ratio Lower Upper

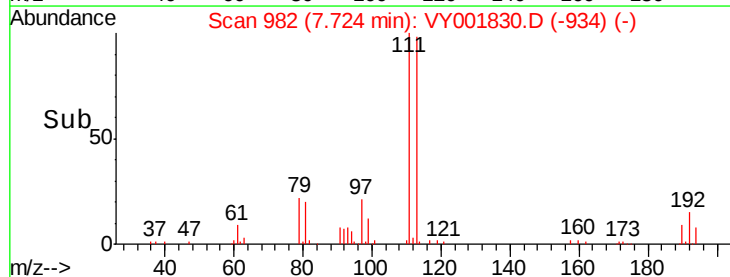
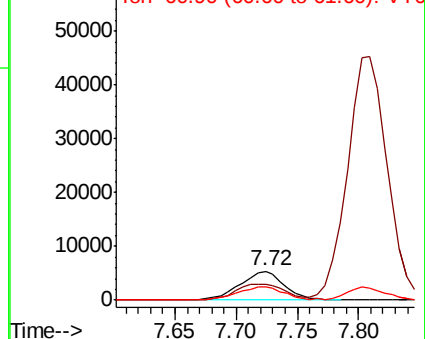
97 100

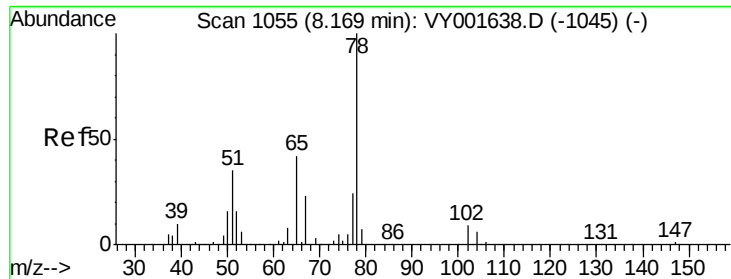
99 62.5 51.2 76.8

61 48.2 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: 49.472 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

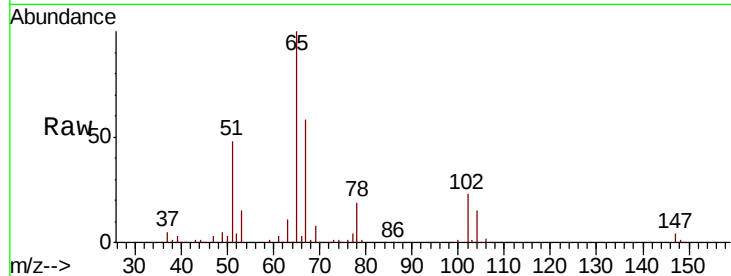
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 91407

Ion Ratio Lower Upper

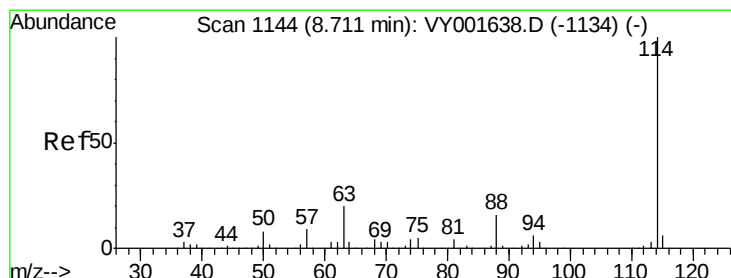
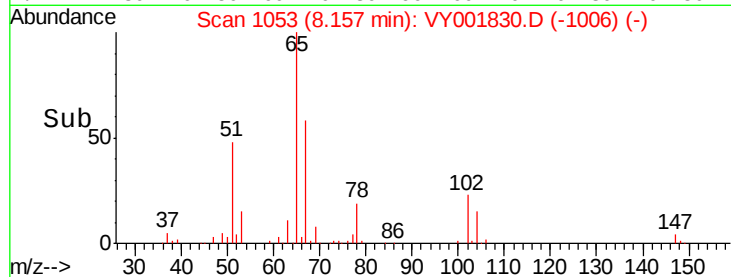
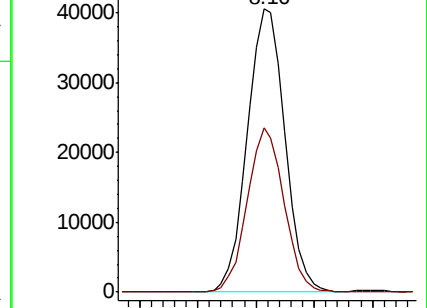
65 100

67 56.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

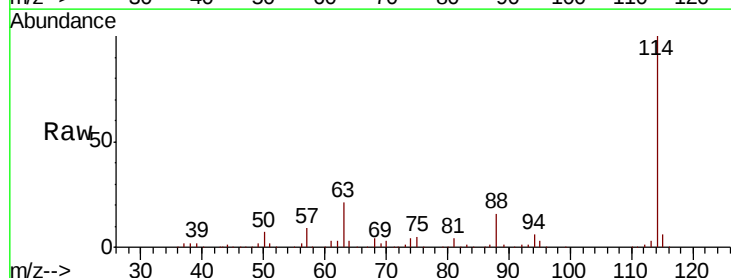
Tgt Ion: 114 Resp: 315656

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

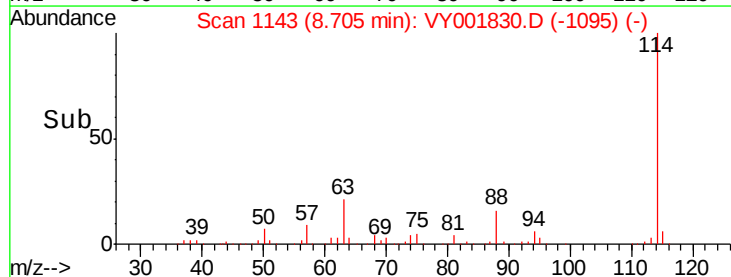
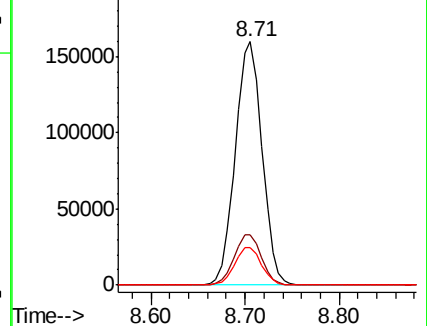
88 15.6 0.0 32.8

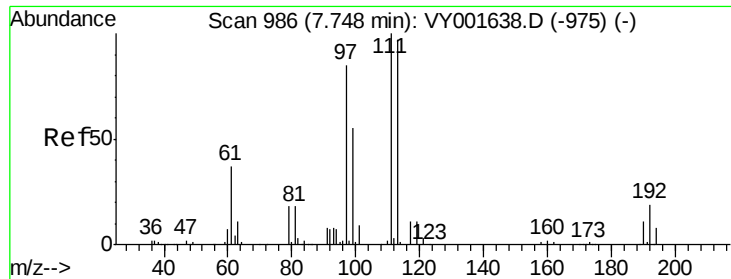


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

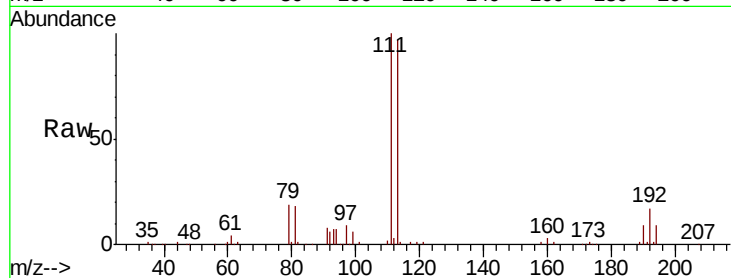




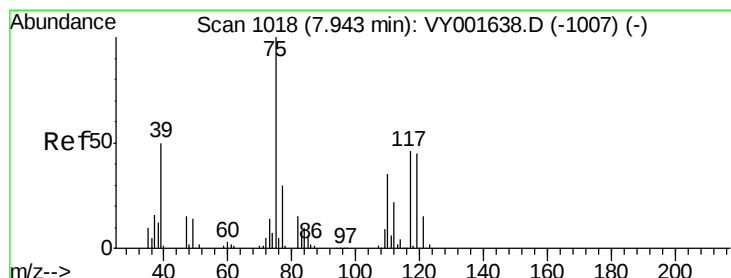
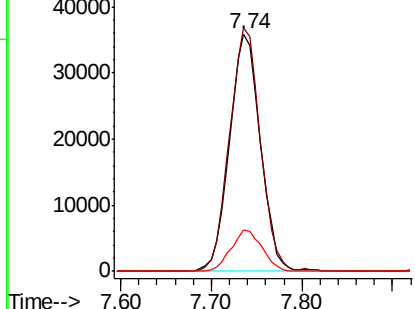
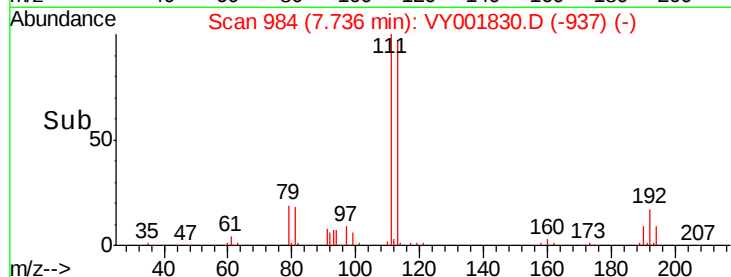
#35
 Dibromofluoromethane
 Concen: 46.864 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion:113 Resp: 84728
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 17.6 14.3 21.5

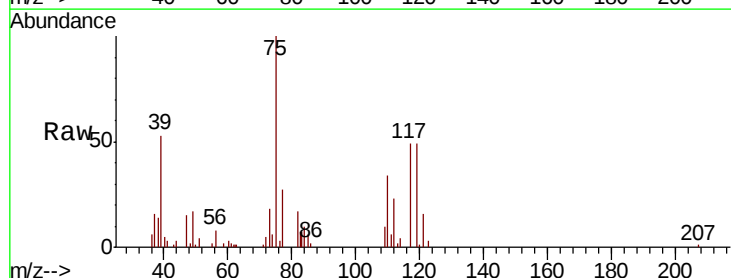


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

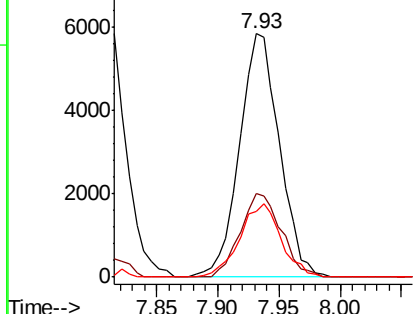
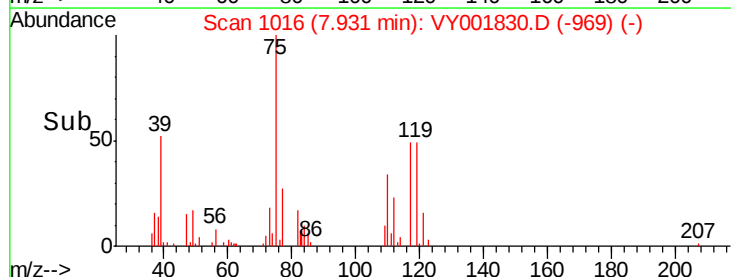


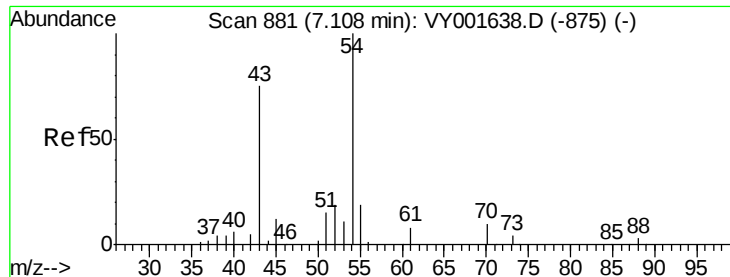
#36
 1,1-Dichloropropene
 Concen: 4.395 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 75 Resp: 13250
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.2 51.6
 77 31.2 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

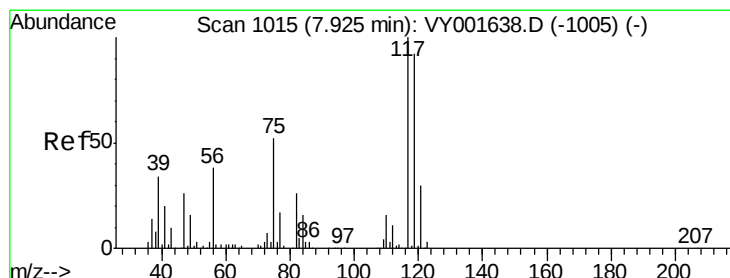
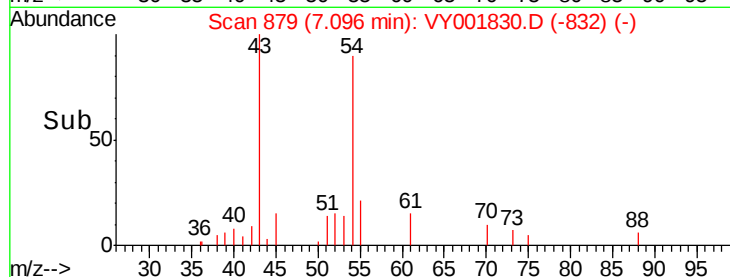
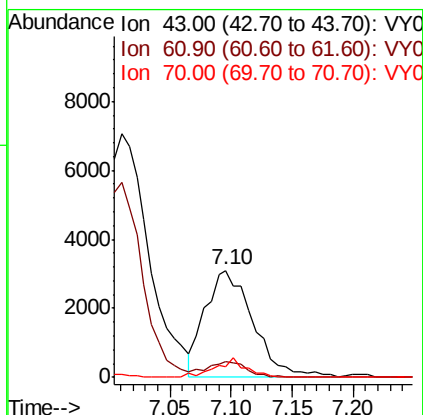
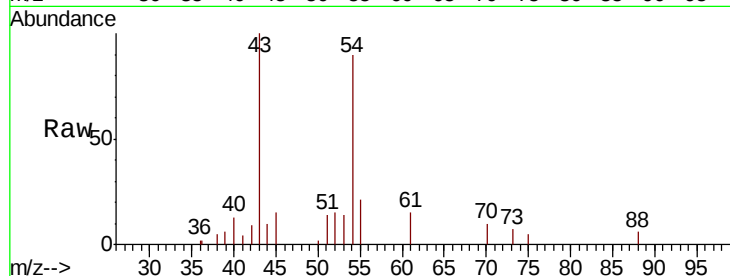




#37
Ethyl Acetate
Concen: 4.701 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

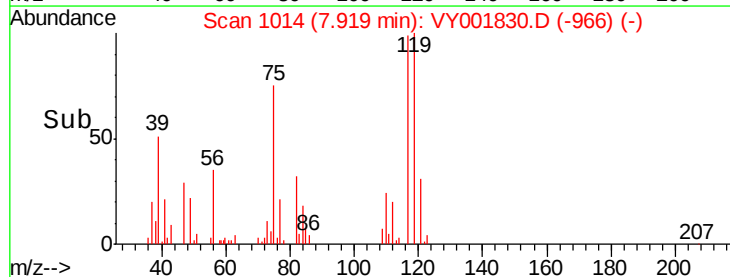
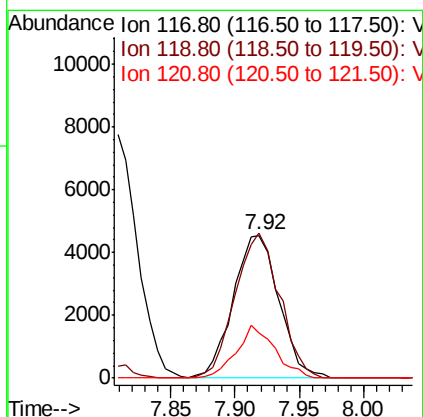
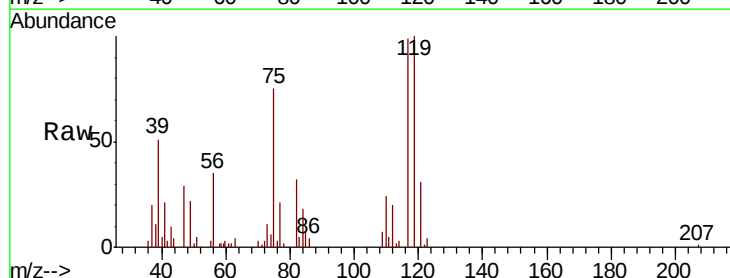
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

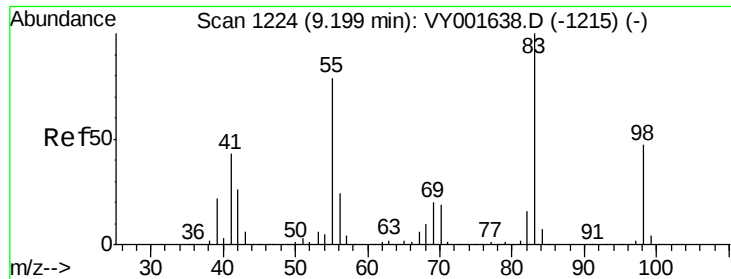
Tot Ion: 43 Resp: 8460
Ion Ratio Lower Upper
43 100
61 12.4 11.0 16.6
70 11.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 4.248 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 117 Resp: 11250
Ion Ratio Lower Upper
117 100
119 101.1 74.8 112.2
121 31.5 23.8 35.6

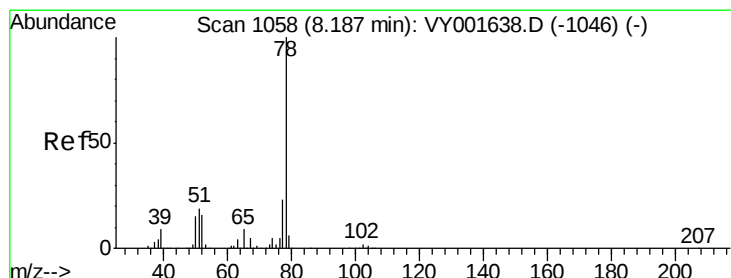
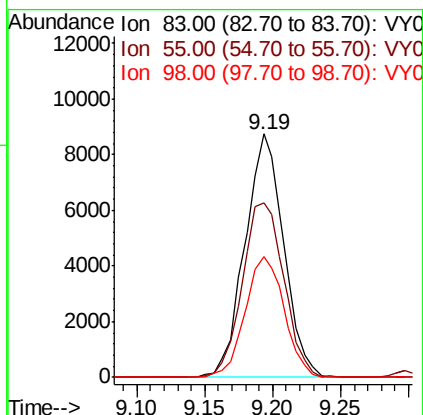
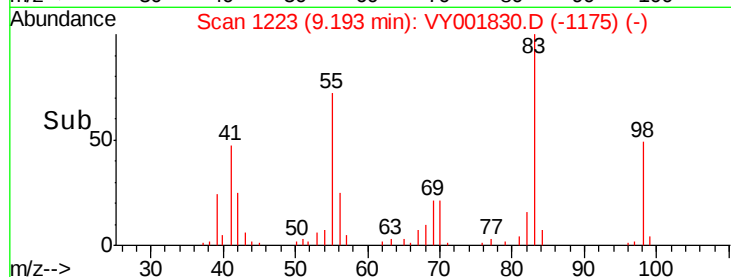
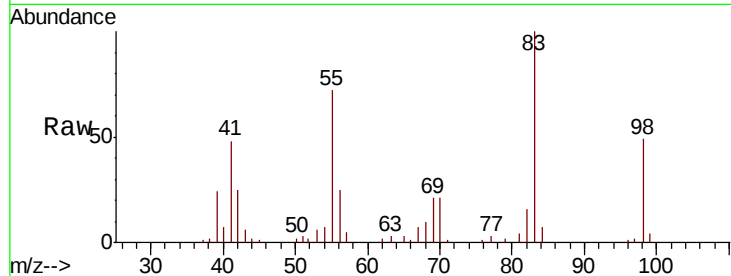




#39
Methvlcvclohexane
Concen: 4.358 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

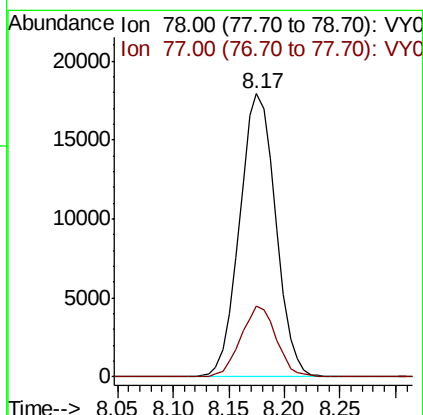
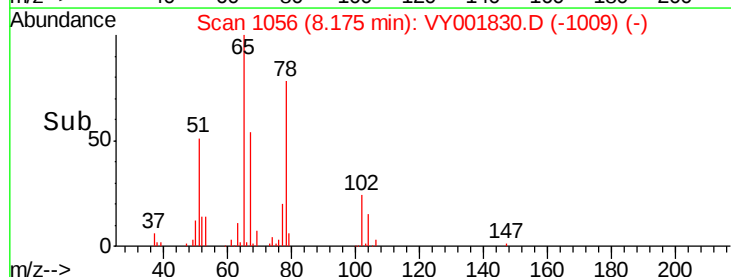
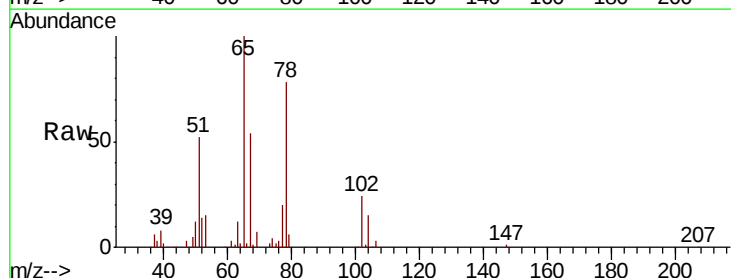
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

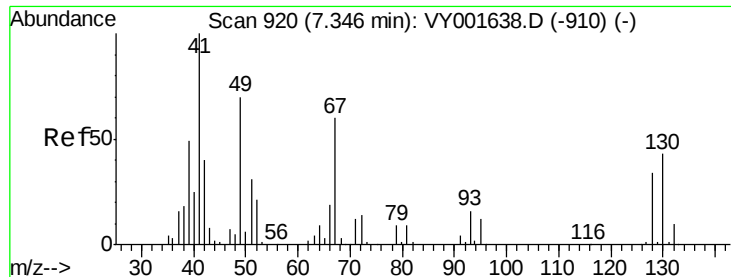
Tot Ion: 83 Resp: 17434
Ion Ratio Lower Upper
83 100
55 71.5 61.3 91.9
98 49.4 38.0 57.0



#40
Benzene
Concen: 4.563 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 78 Resp: 40464
Ion Ratio Lower Upper
78 100
77 25.3 18.2 27.4

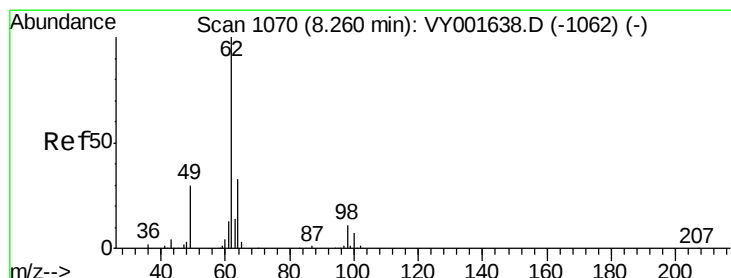
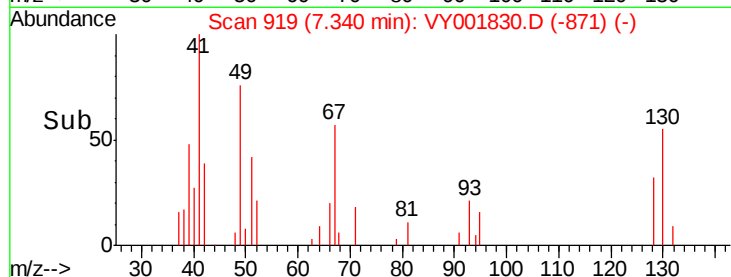
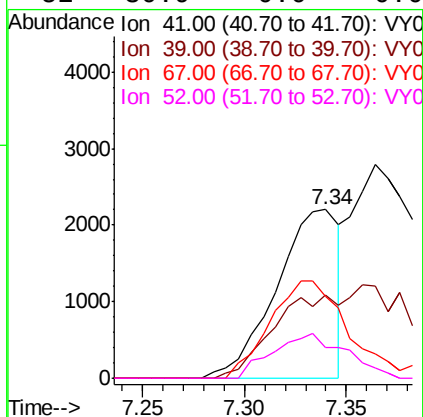
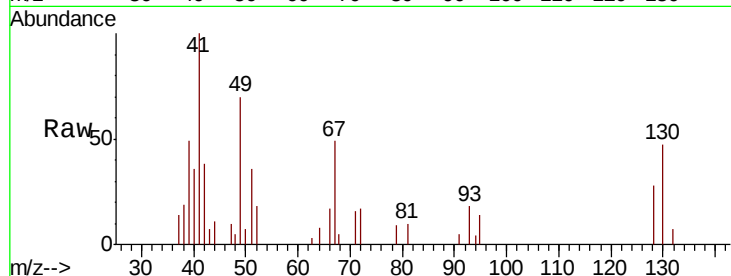




#41
Methacrylonitrile
Concen: 5.251 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

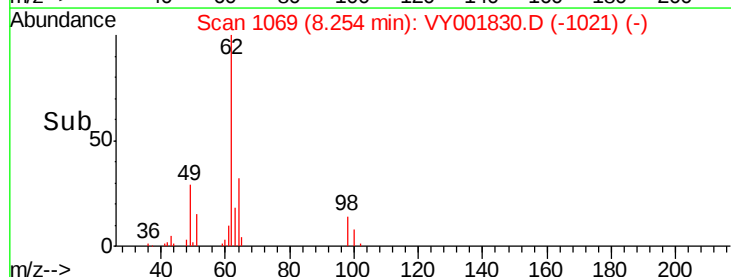
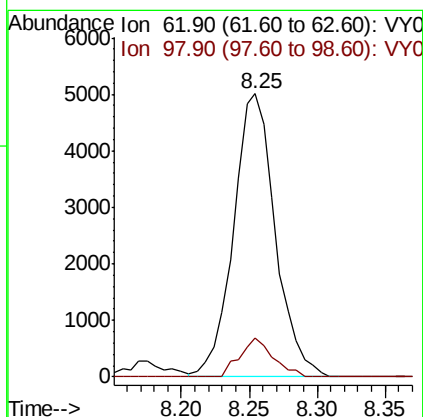
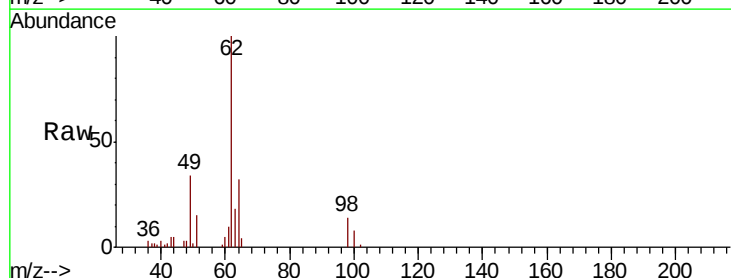
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

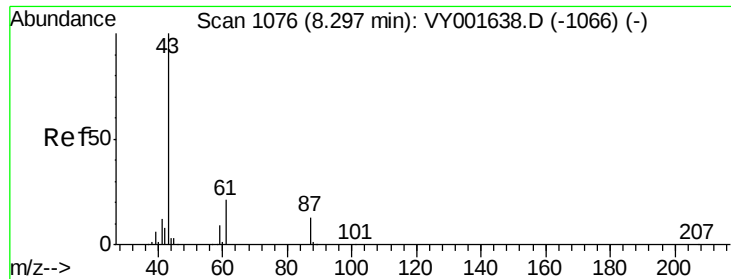
Tot Ion: 41 Resp: 4745
Ion Ratio Lower Upper
41 100
39 35.8 36.0 54.0#
67 72.1 0.0 0.0#
52 30.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 4.437 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 62 Resp: 10719
Ion Ratio Lower Upper
62 100
98 11.1 0.0 20.8

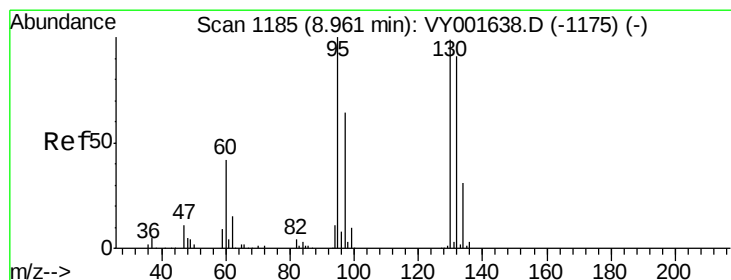
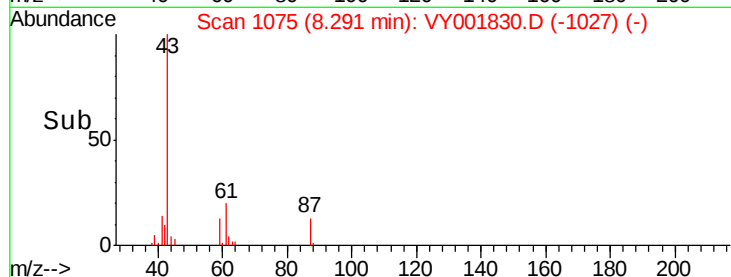
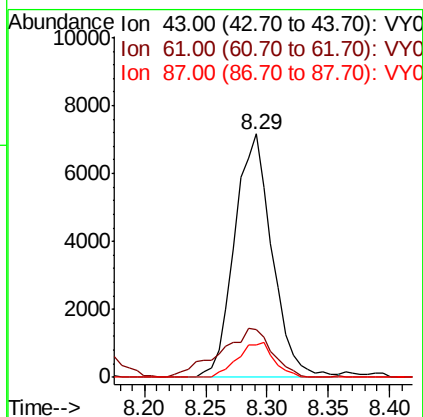
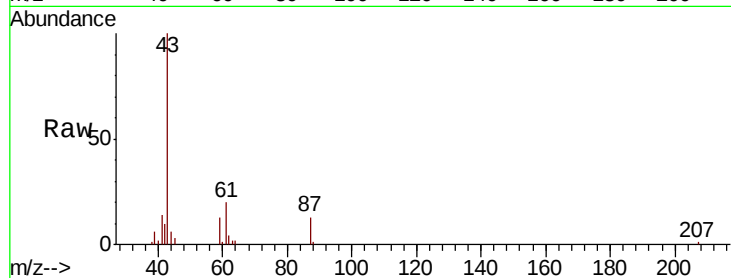




#43
Isopropyl Acetate
Concen: 4.462 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

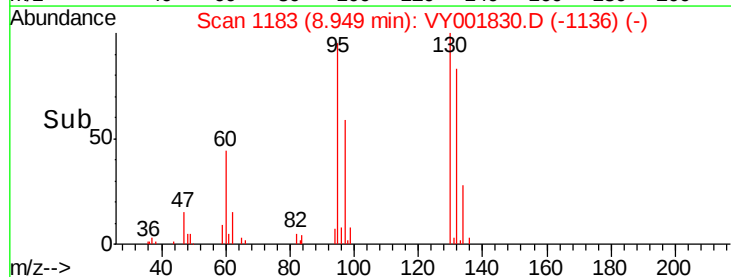
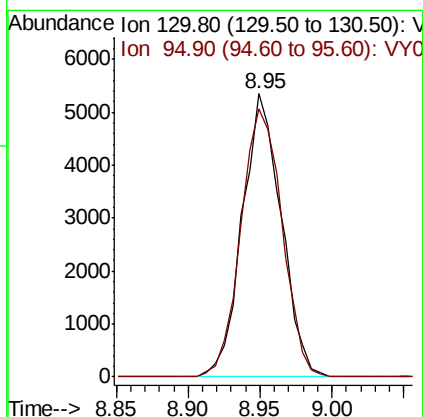
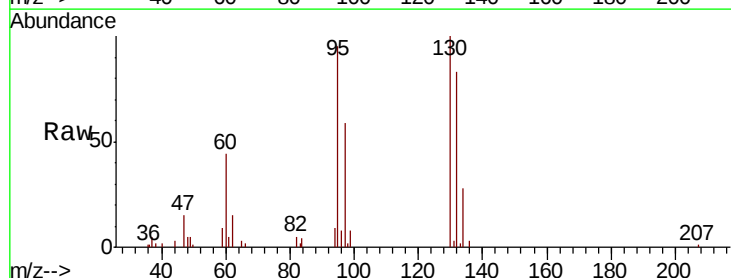
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

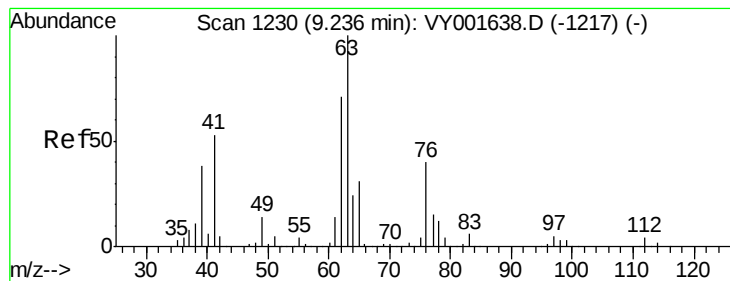
Tot Ion: 43 Resp: 15236
Ion Ratio Lower Upper
43 100
61 27.8 23.0 34.4
87 13.7 10.7 16.1



#44
Trichloroethene
Concen: 4.521 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 130 Resp: 10009
Ion Ratio Lower Upper
130 100
95 94.5 0.0 200.6





#45

1,2-Dichloropropane

Concen: 4.468 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

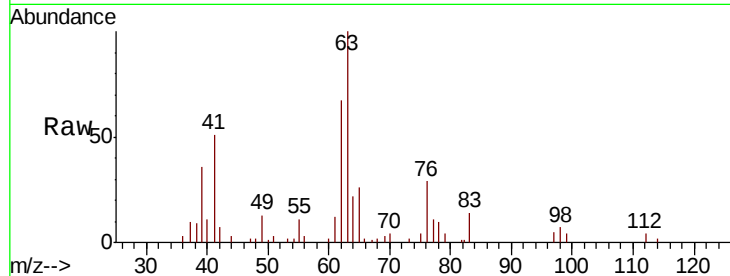
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 63 Resp: 9922

Ion Ratio Lower Upper

63 100

65 25.7 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

6000

5000

4000

3000

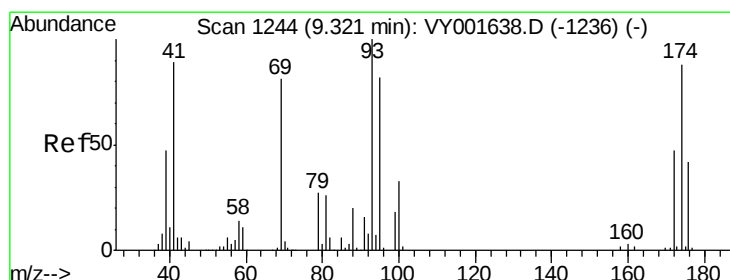
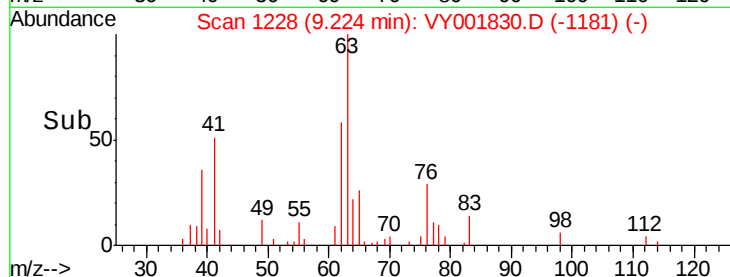
2000

1000

0

9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 4.687 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

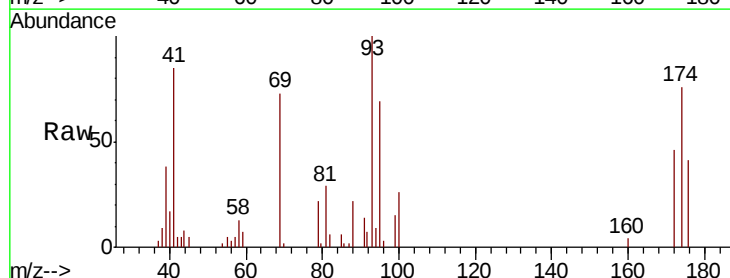
Tgt Ion: 93 Resp: 5444

Ion Ratio Lower Upper

93 100

95 82.6 66.1 99.1

174 87.2 72.5 108.7



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

4000

3000

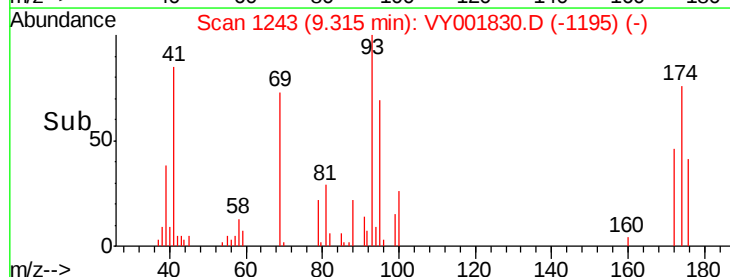
2000

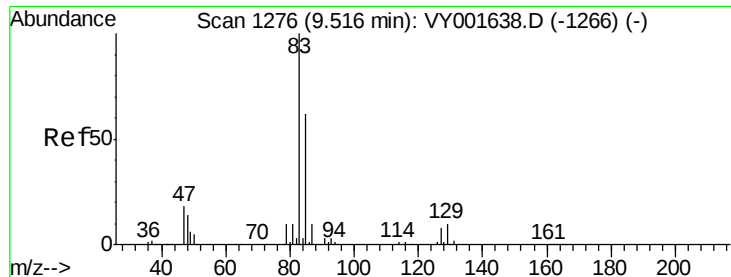
1000

0

9.25 9.30 9.35

Time-->





#47

Bromodichloromethane

Concen: 4.233 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

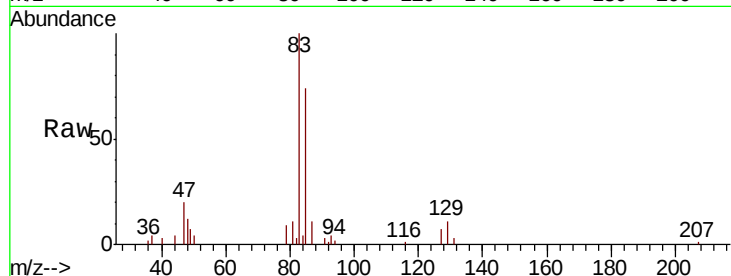
Tot Ion: 83 Resp: 11868

Ion Ratio Lower Upper

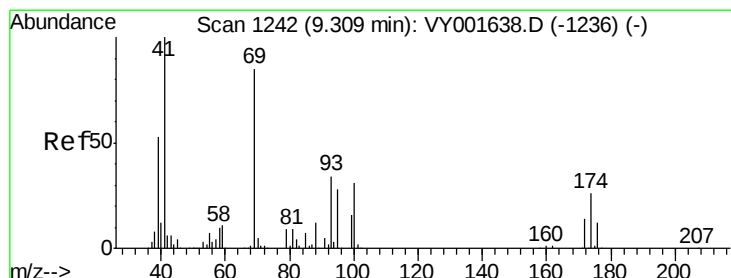
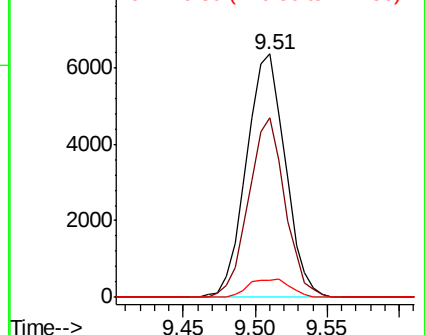
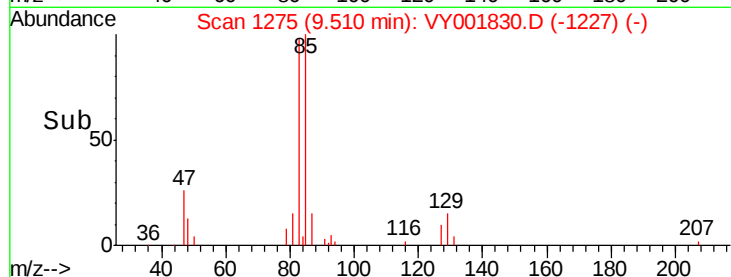
83 100

85 73.5 51.4 77.0

127 7.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VY001830.D (-1227) (-)



#48

Methyl methacrylate

Concen: 4.360 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

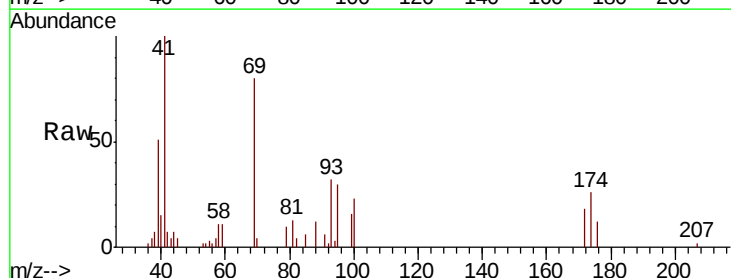
Tgt Ion: 41 Resp: 6733

Ion Ratio Lower Upper

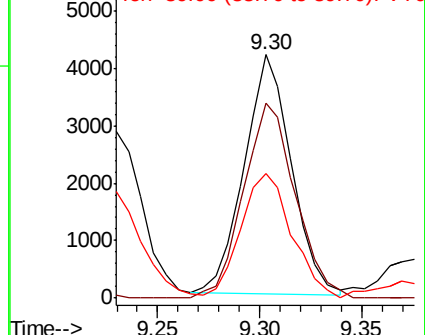
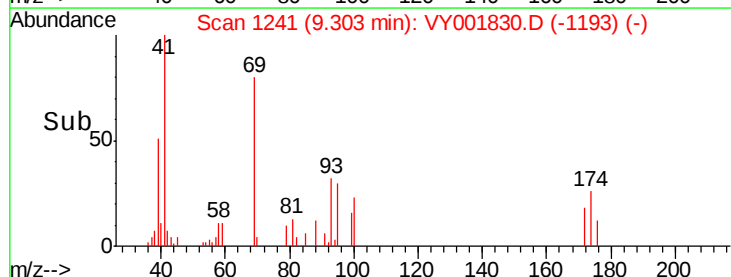
41 100

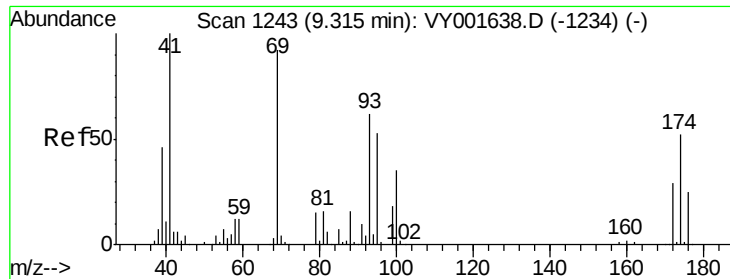
69 88.9 70.7 106.1

39 55.7 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VY001830.D (-1193) (-)

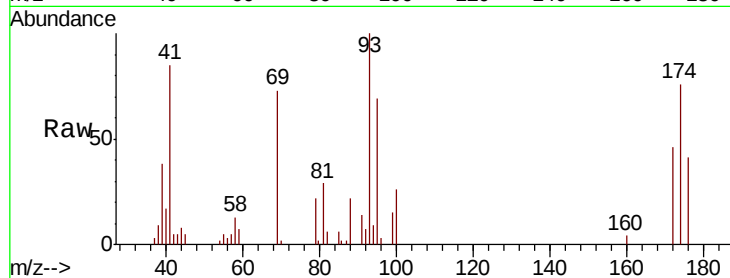




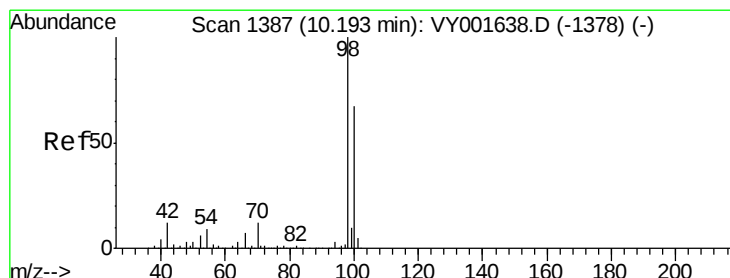
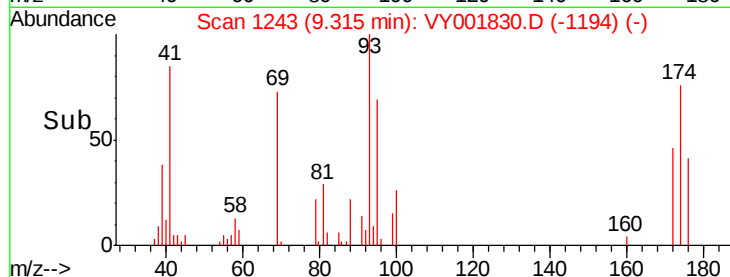
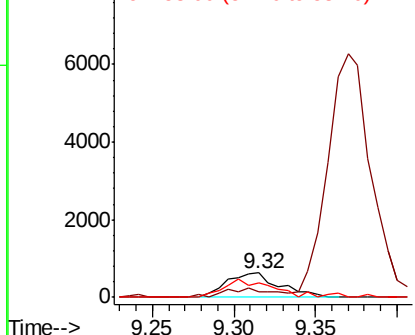
#49
1,4-Dioxane
Concen: 86.066 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion: 88 Resp: 1412
Ion Ratio Lower Upper
88 100
43 34.3 23.1 34.7
58 66.4 58.1 87.1

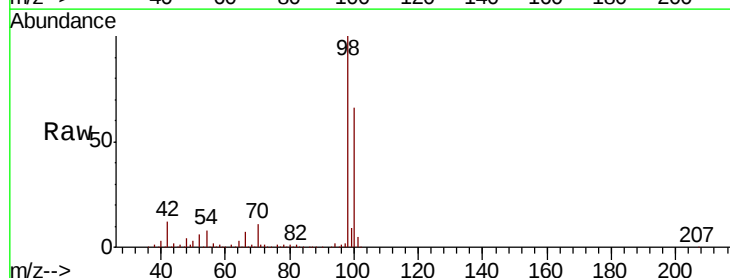


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

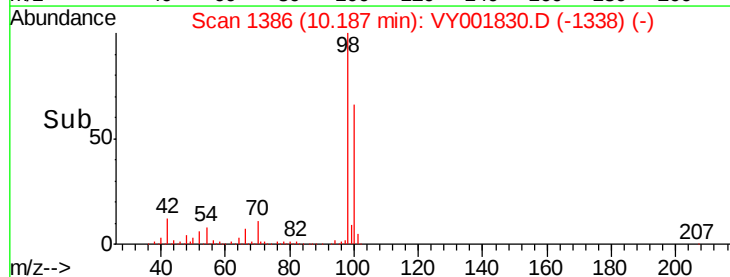
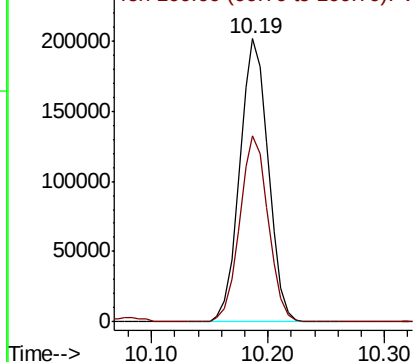


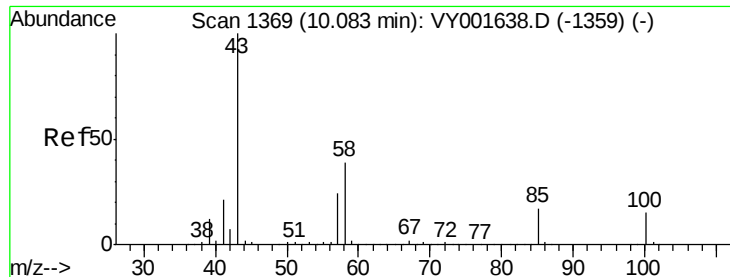
#50
Toluene-d8
Concen: 48.491 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 98 Resp: 343456
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



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

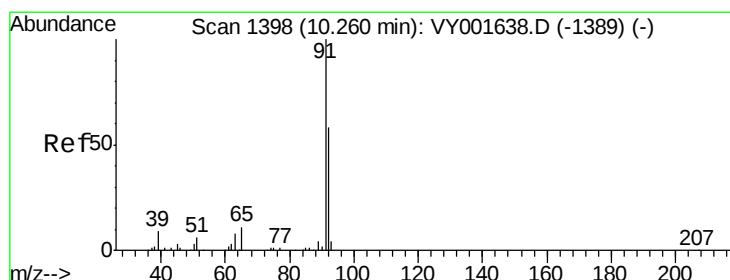
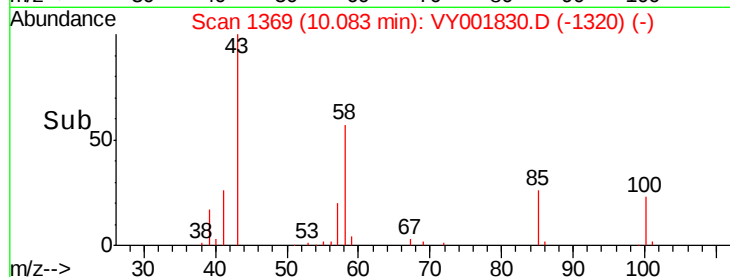
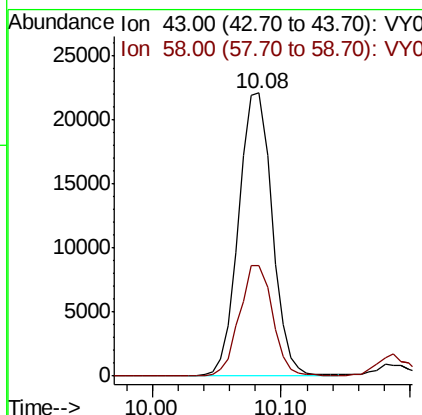
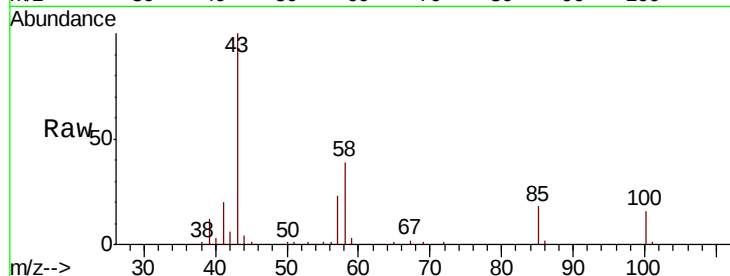




#51
4-Methyl-2-Pentanone
Concen: 22.783 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

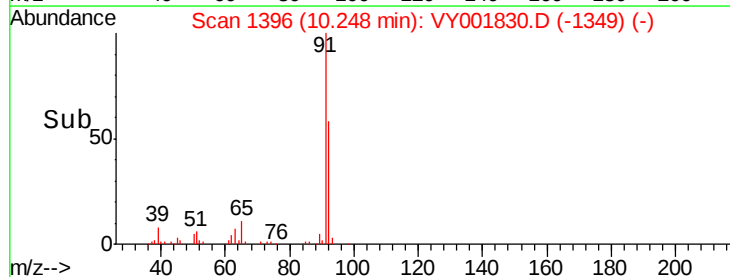
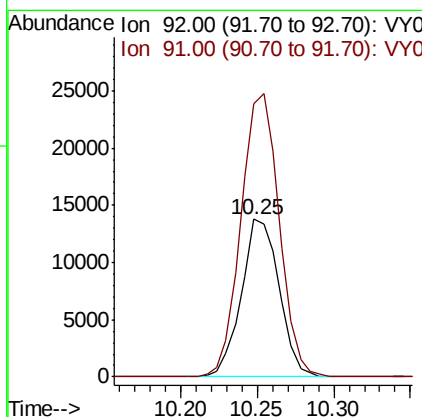
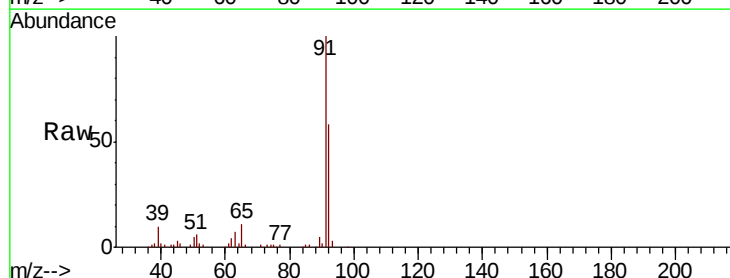
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

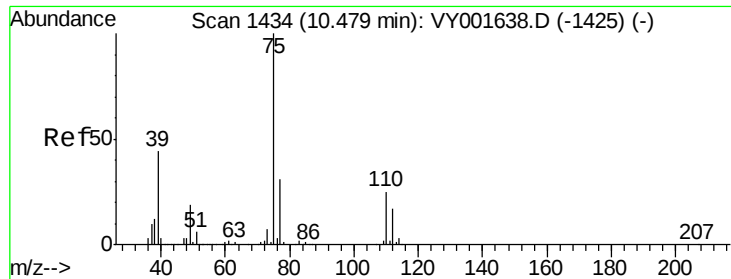
Tot Ion: 43 Resp: 39968
Ion Ratio Lower Upper
43 100
58 38.6 32.2 48.4



#52
Toluene
Concen: 4.287 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 92 Resp: 23715
Ion Ratio Lower Upper
92 100
91 181.2 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 4.144 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

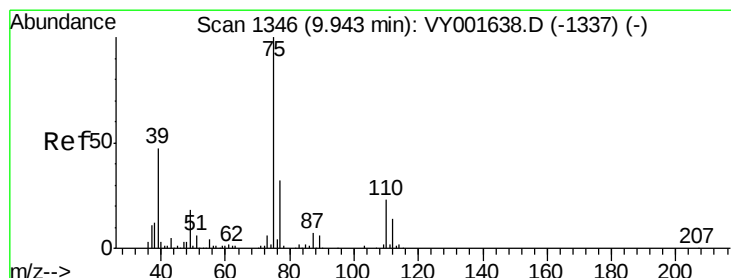
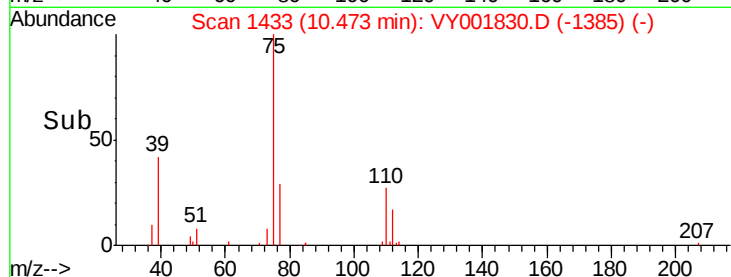
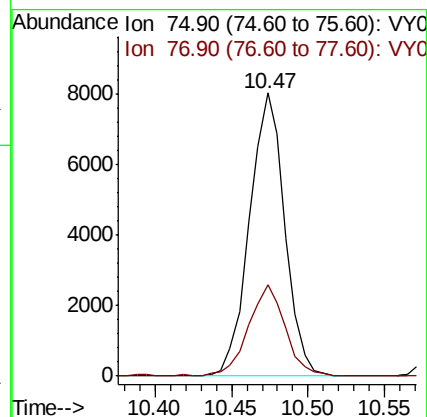
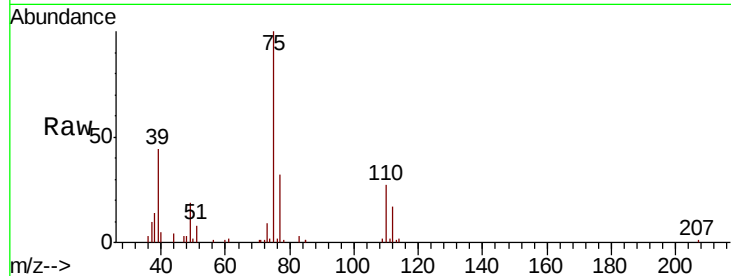
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 12844

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 4.372 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

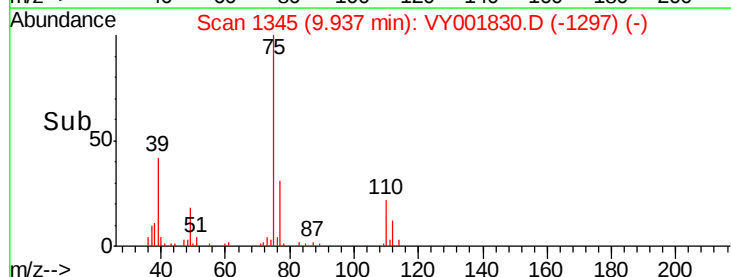
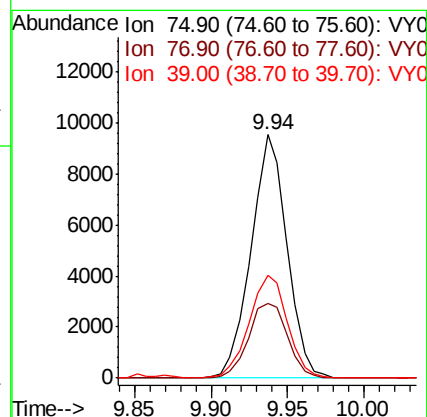
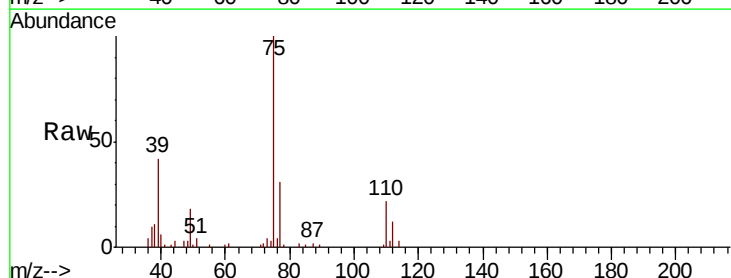
Tgt Ion: 75 Resp: 15595

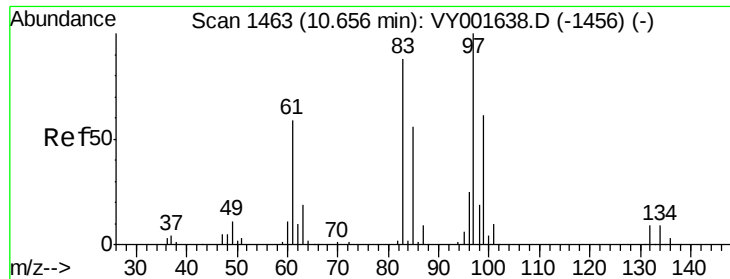
Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5

39 42.3 35.7 53.5

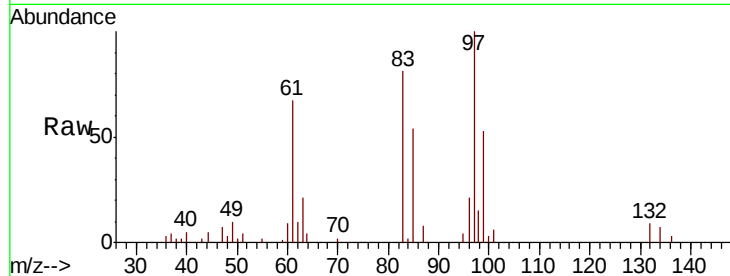




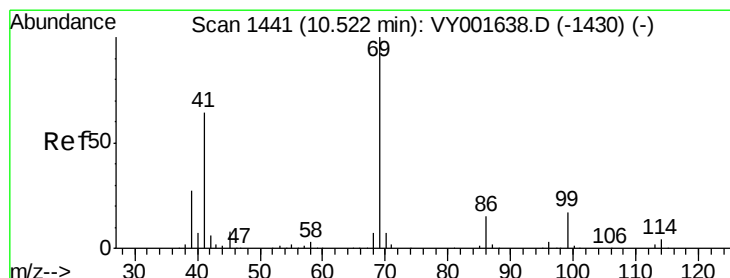
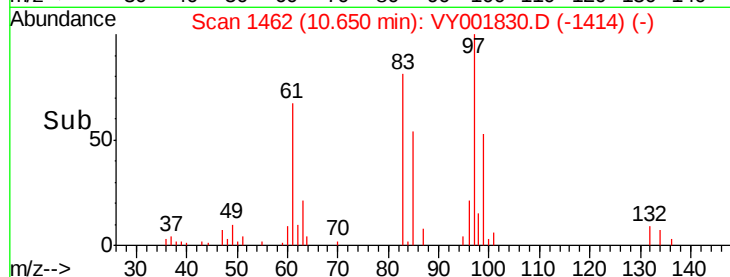
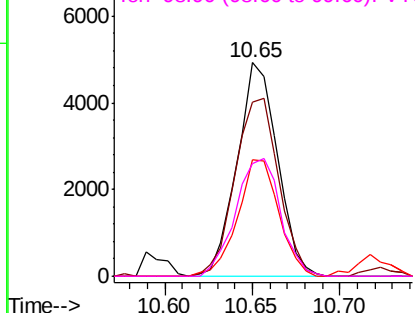
#55
 1,1,2-Trichloroethane
 Concen: 4.612 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion:	97	Resp:	7900
Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.7	104.5
85	54.3	44.5	66.7
99	52.8	49.6	74.4

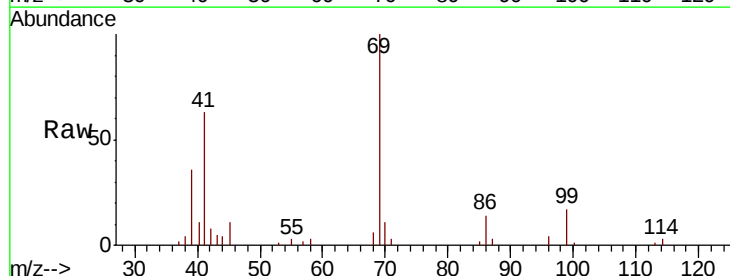


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

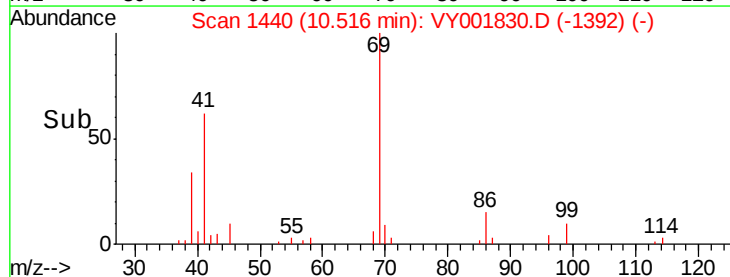
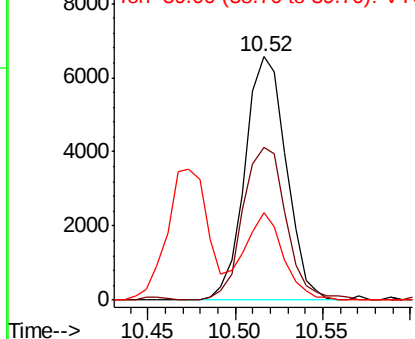


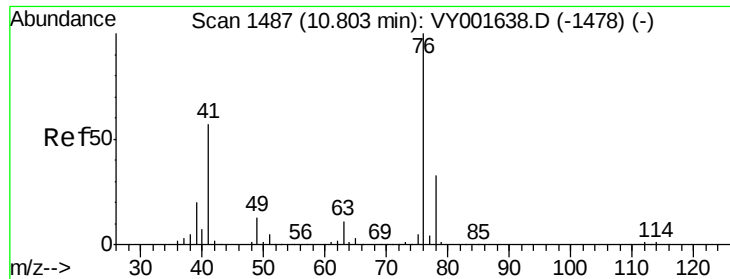
#56
 Ethyl methacrylate
 Concen: 4.186 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion:	69	Resp:	10757
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.0	76.4
39	32.0	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

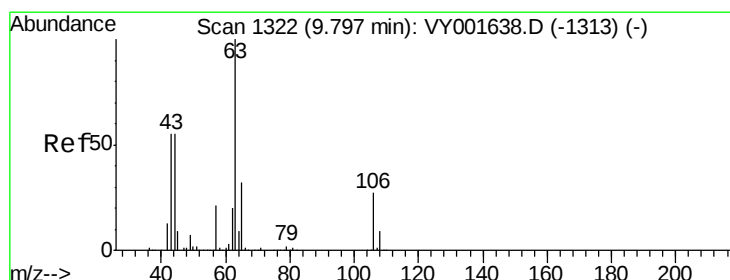
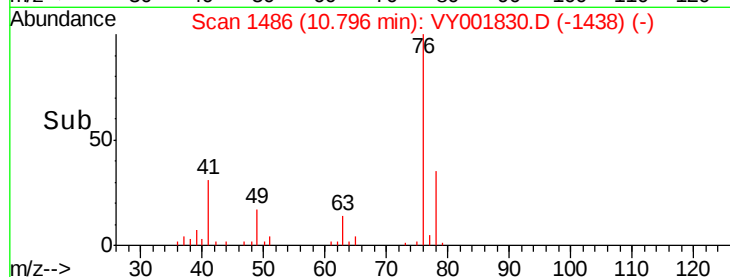
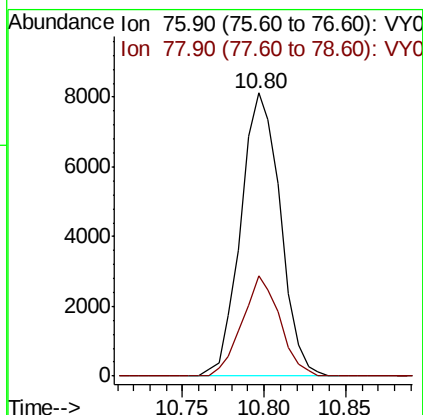
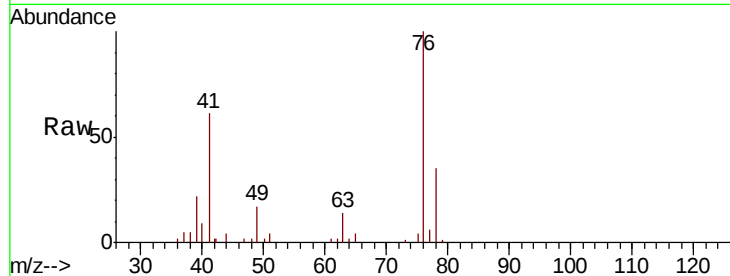




#57
 1,3-Dichloropropane
 Concen: 4.498 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

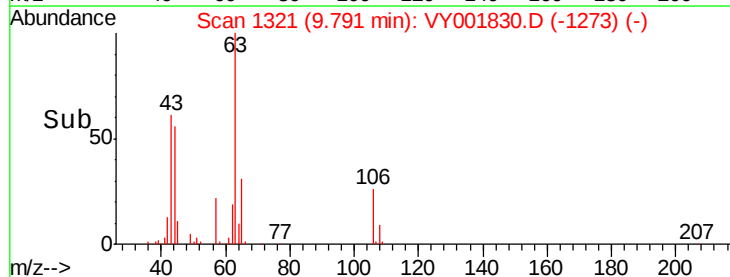
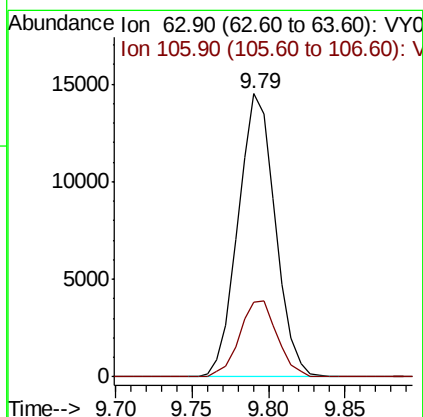
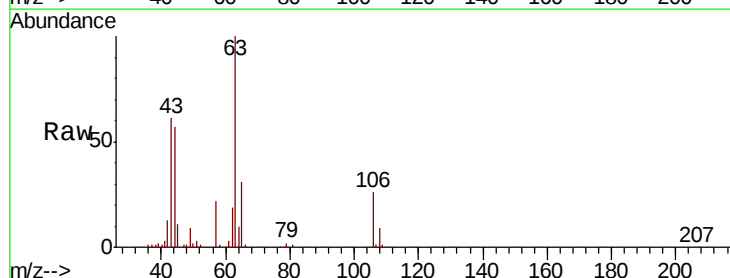
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

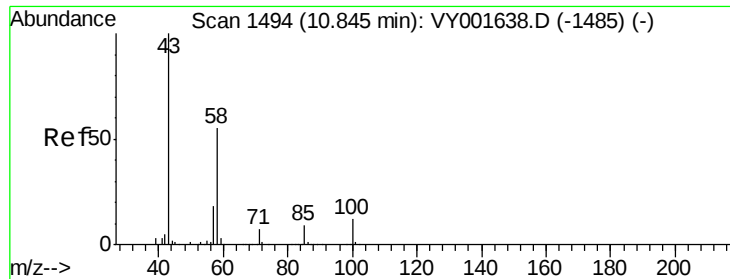
Tot Ion: 76 Resp: 13688
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.747 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 63 Resp: 24408
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4

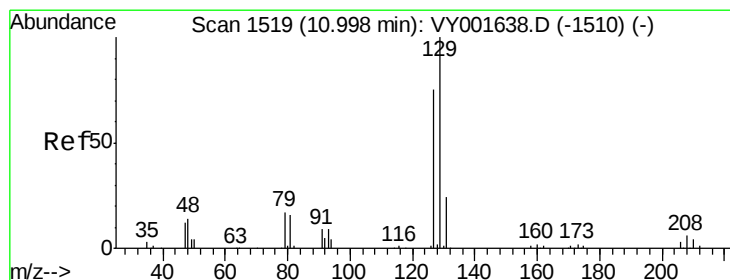
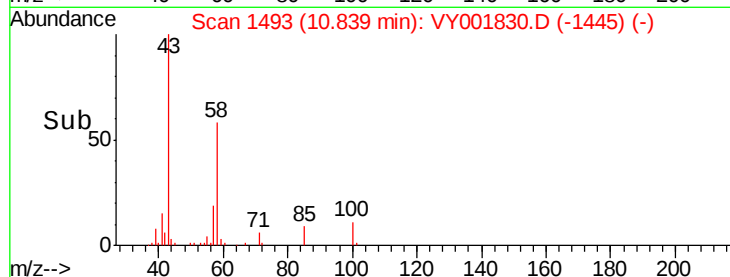
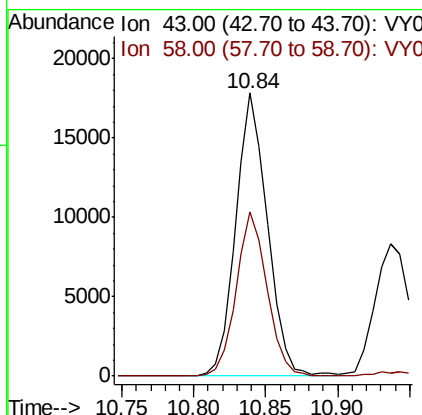
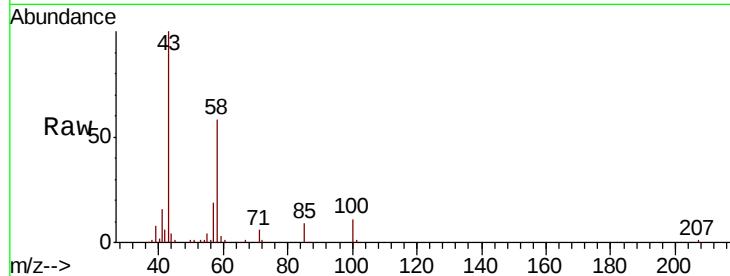




#59
2-Hexanone
Concen: 20.713 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

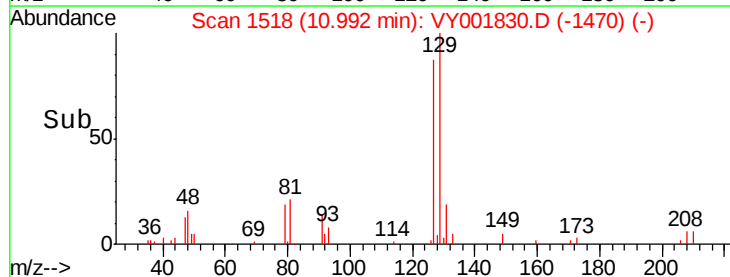
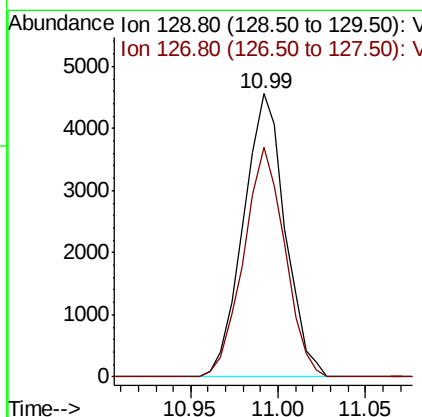
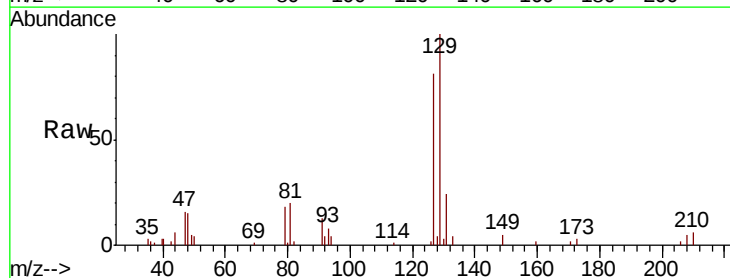
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

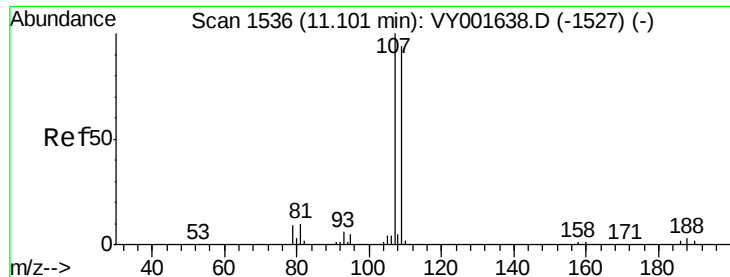
Tot Ion: 43 Resp: 27264
Ion Ratio Lower Upper
43 100
58 56.7 28.4 85.2



#60
Dibromochloromethane
Concen: 4.006 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 129 Resp: 7564
Ion Ratio Lower Upper
129 100
127 79.9 38.9 116.6

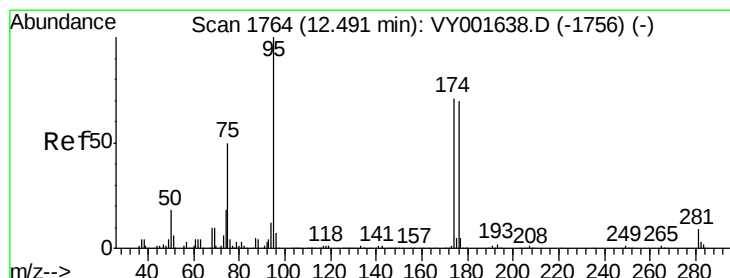
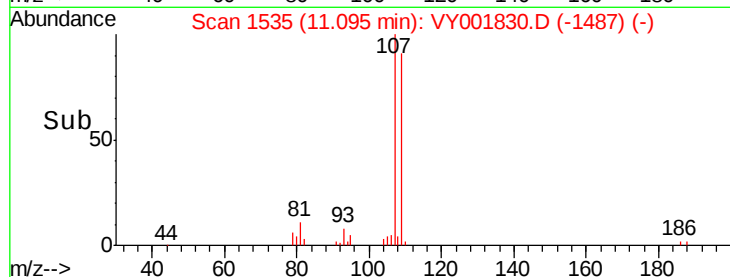
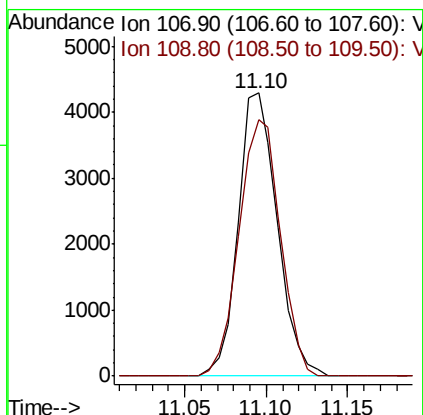
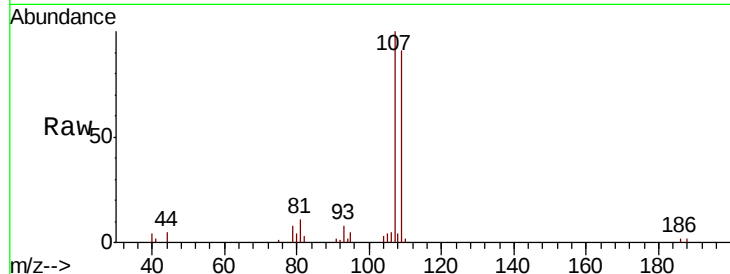




#61
 1,2-Dibromoethane
 Concen: 4.415 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

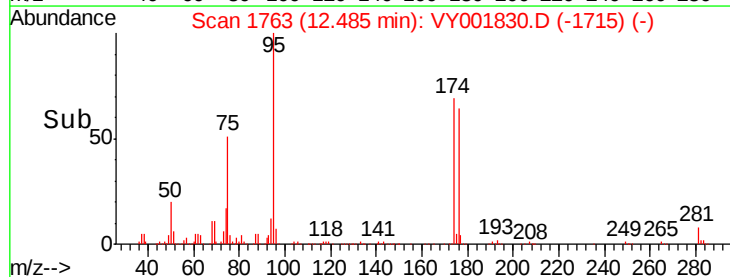
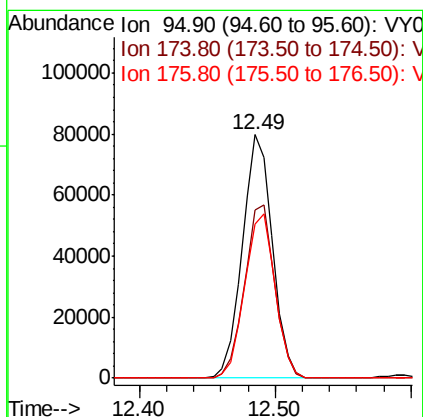
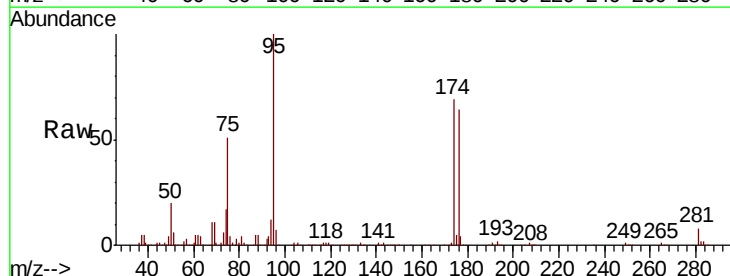
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 107 Resp: 7150
 Ion Ratio Lower Upper
 107 100
 109 96.0 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 44.565 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 95 Resp: 122629
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 138.4
 176 68.9 0.0 131.8

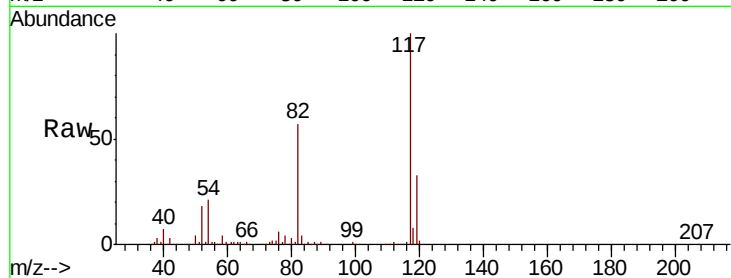




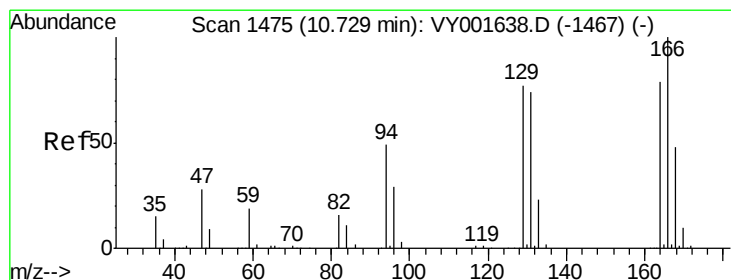
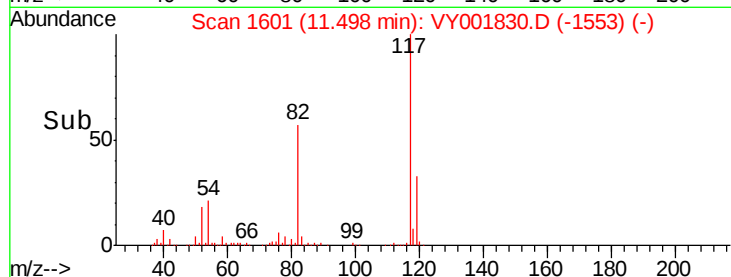
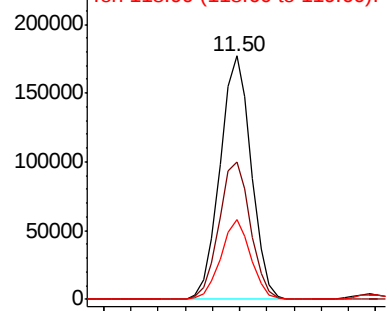
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

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

Tot Ion:117 Resp: 284695
Ion Ratio Lower Upper
117 100
82 56.6 45.5 68.3
119 32.6 25.8 38.6

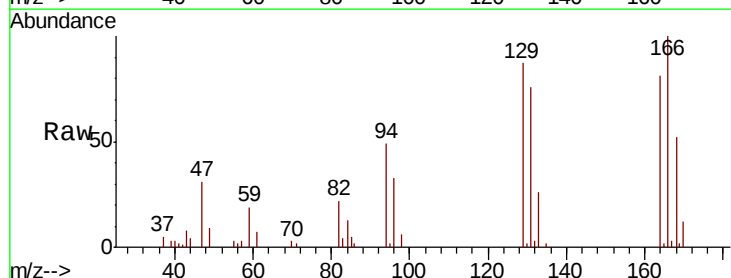


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

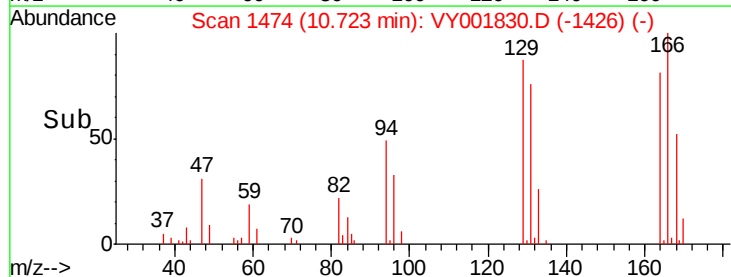
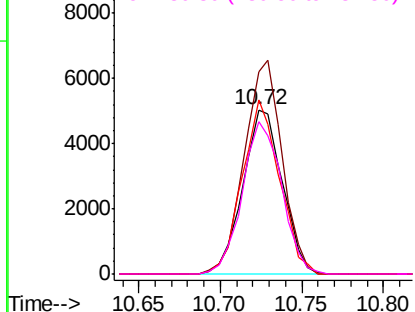


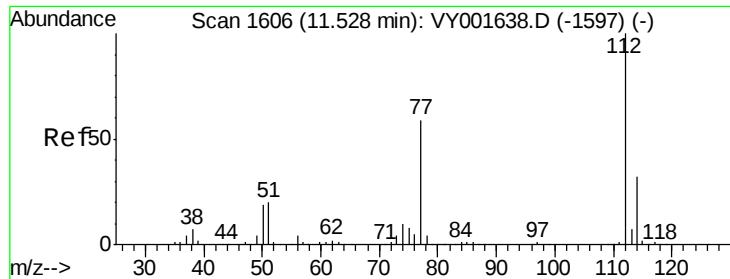
#64
Tetrachloroethene
Concen: 4.767 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion:164 Resp: 8519
Ion Ratio Lower Upper
164 100
166 123.1 101.4 152.0
129 106.5 78.7 118.1
131 92.9 76.0 114.0



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

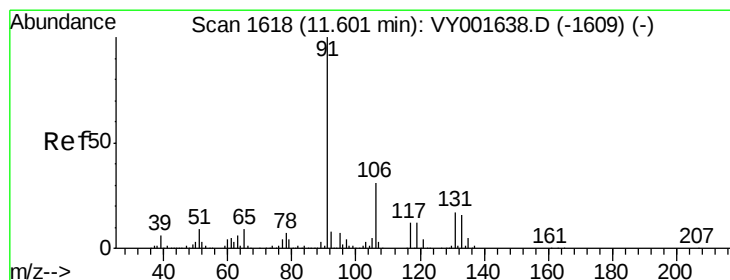
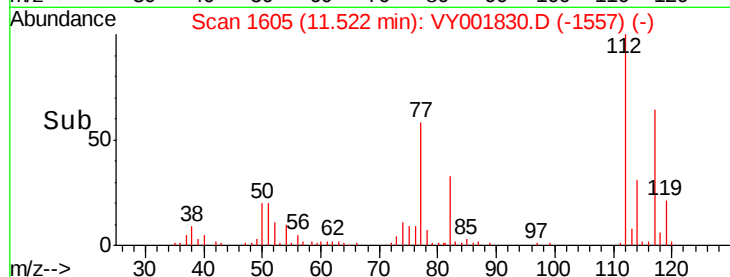
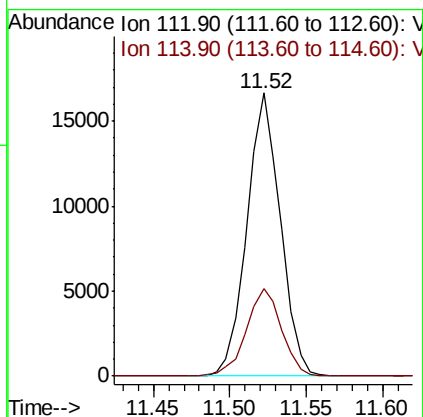
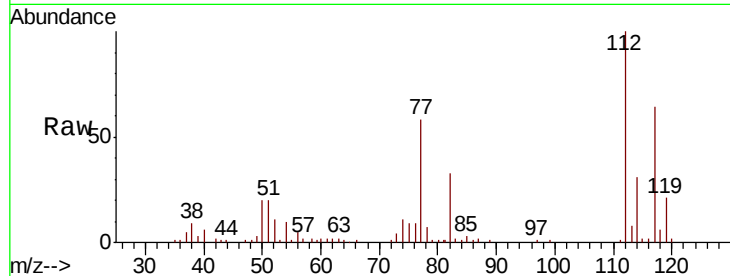




#65
Chlorobenzene
Concen: 4.446 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

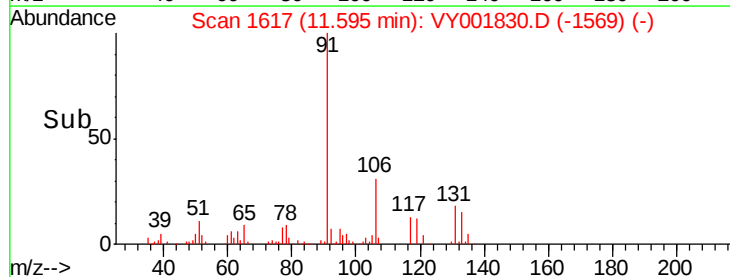
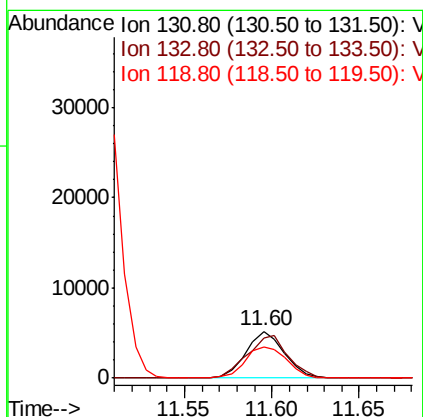
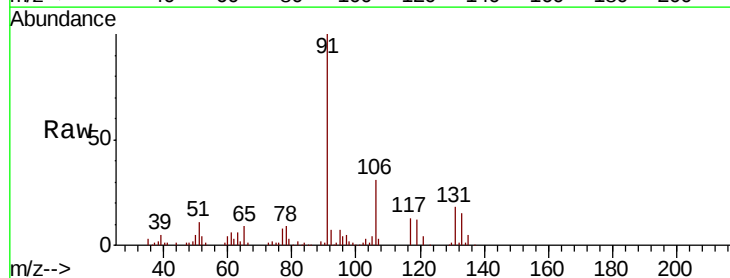
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

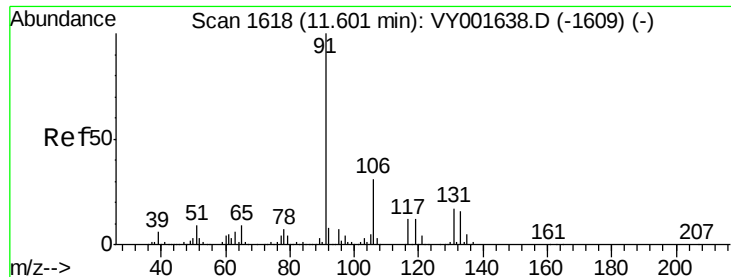
Tot Ion:112 Resp: 25268
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 4.111 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion:131 Resp: 7882
Ion Ratio Lower Upper
131 100
133 97.7 47.4 142.2
119 73.4 34.4 103.1





#67

Ethyl Benzene

Concen: 4.413 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

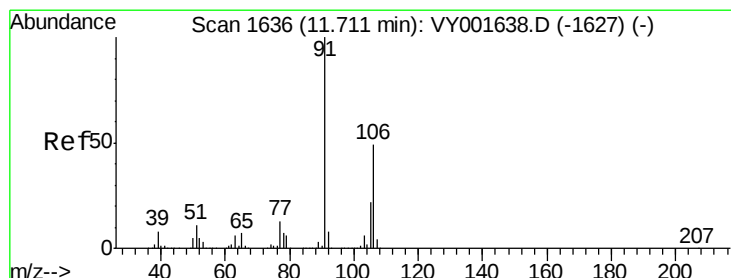
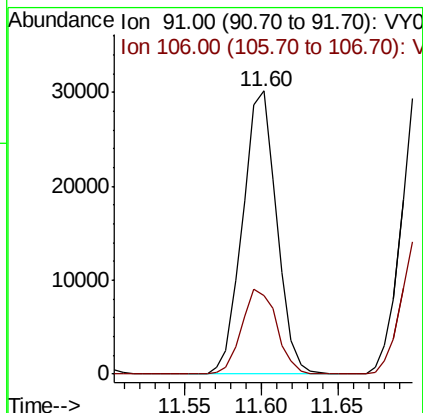
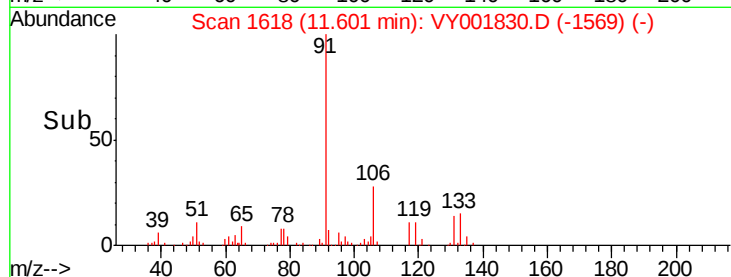
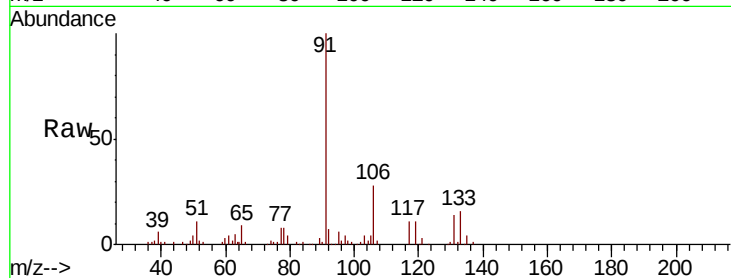
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 46543

Ion Ratio Lower Upper

91 100

106 27.7 24.5 36.7



#68

m/p-Xylenes

Concen: 8.798 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001830.D

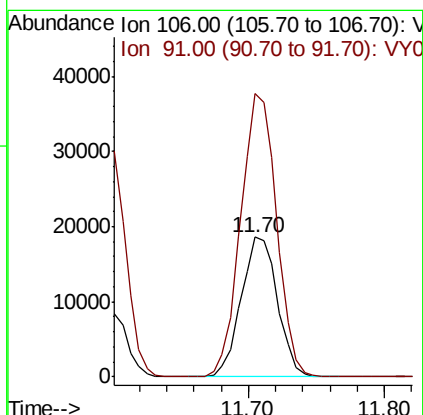
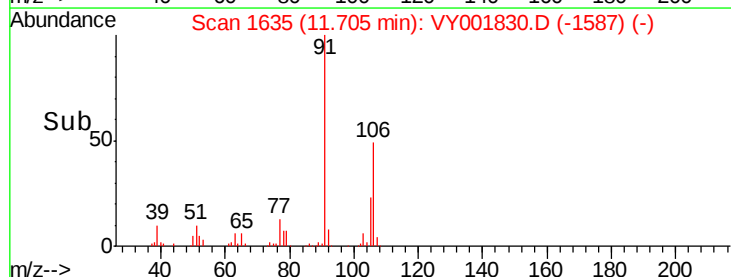
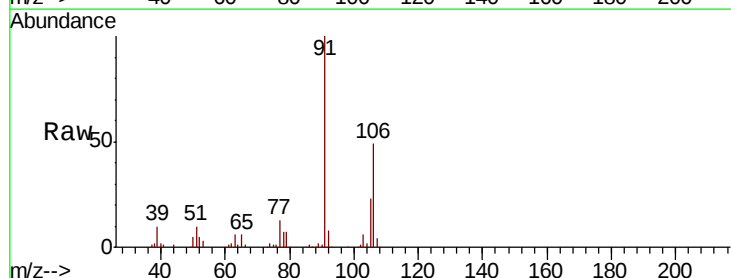
Acq: 03 Mar 2020 13:30

Tgt Ion: 106 Resp: 34665

Ion Ratio Lower Upper

106 100

91 200.7 163.3 244.9

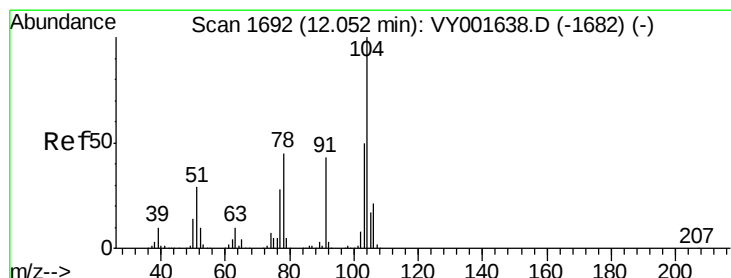
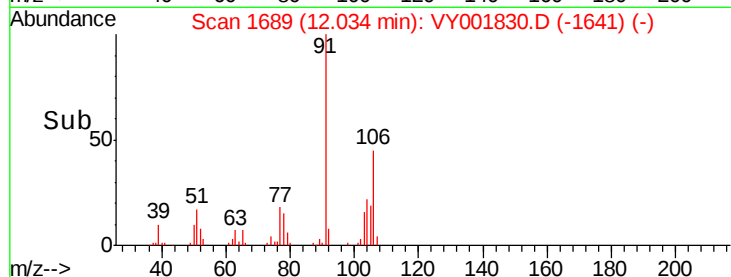
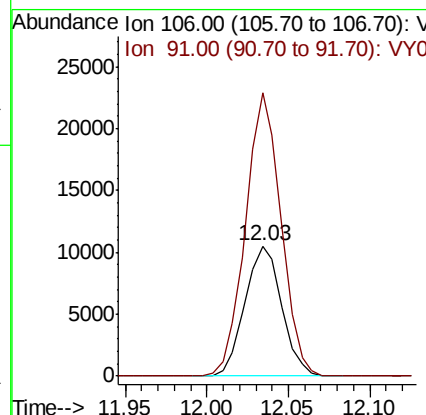
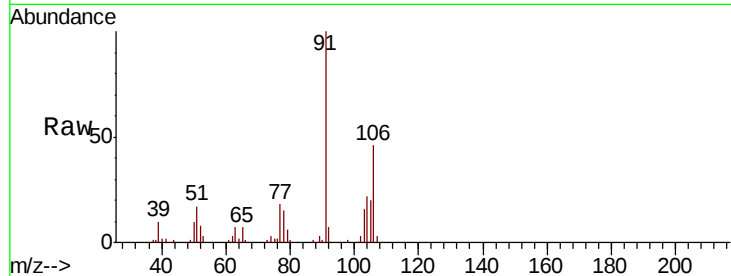




#69
o-Xylene
Concen: 4.404 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

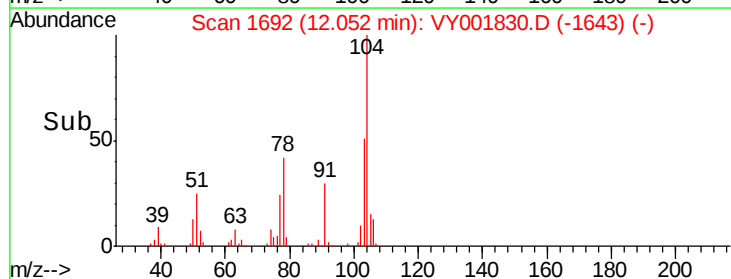
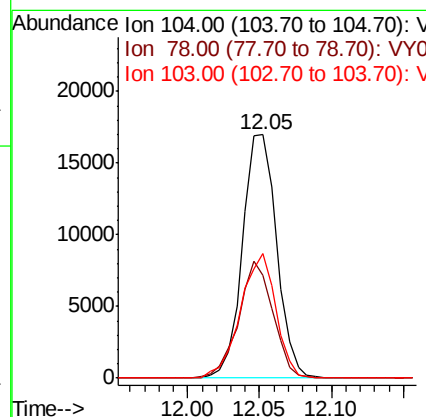
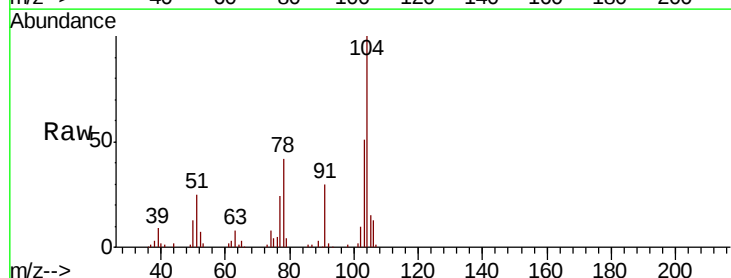
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

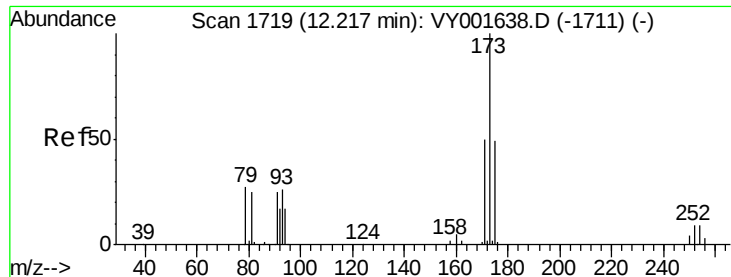
Tot Ion:106 Resp: 16495
Ion Ratio Lower Upper
106 100
91 210.5 108.3 324.9



#70
Styrene
Concen: 4.284 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion:104 Resp: 27886
Ion Ratio Lower Upper
104 100
78 48.4 39.2 58.8
103 52.9 43.0 64.6





#71

Bromoform

Concen: 4.081 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

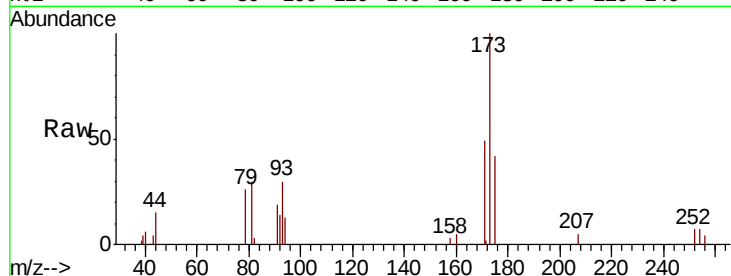
Tot Ion:173 Resp: 4472

Ion Ratio Lower Upper

173 100

175 44.2 24.3 73.0

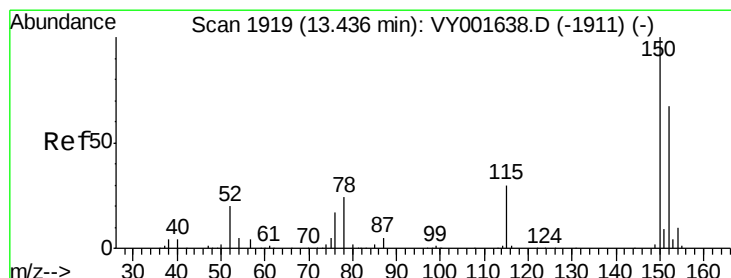
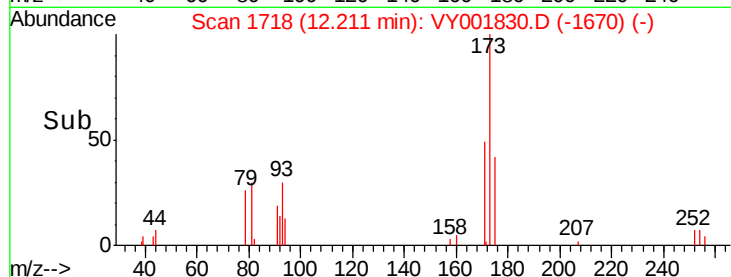
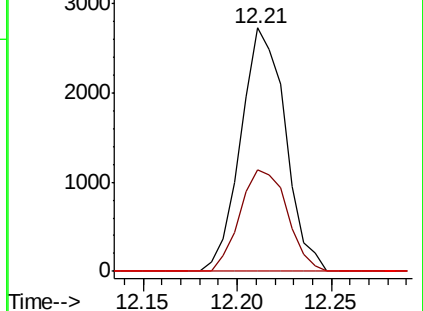
254 0.0 0.1 0.1#



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: VY001830.D

Acq: 03 Mar 2020 13:30

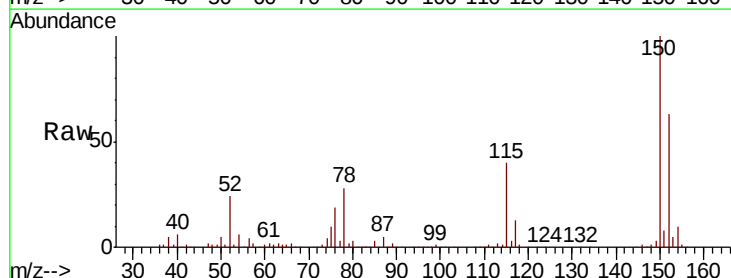
Tgt Ion:152 Resp: 132495

Ion Ratio Lower Upper

152 100

115 61.4 31.4 94.2

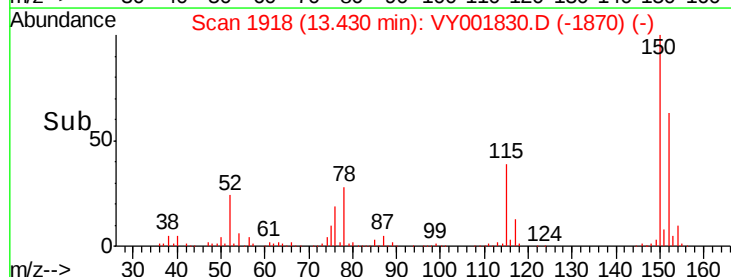
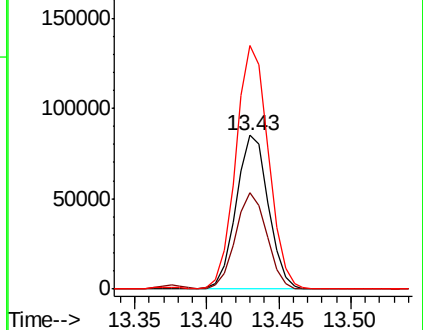
150 160.2 0.0 407.2

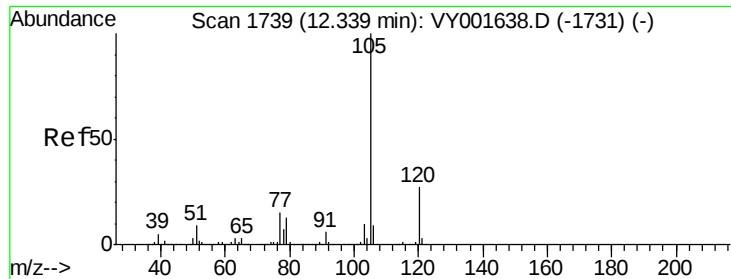


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.331 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

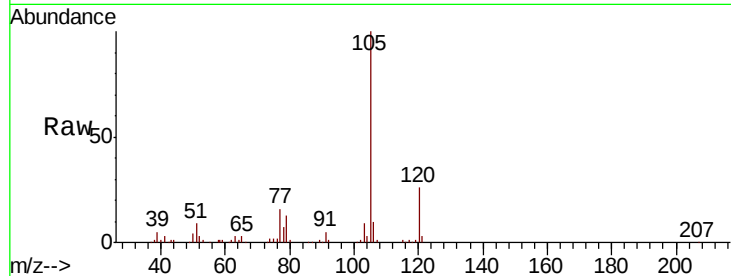
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 43712

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

30000

25000

20000

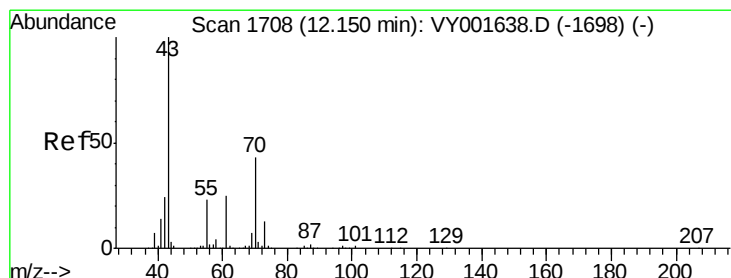
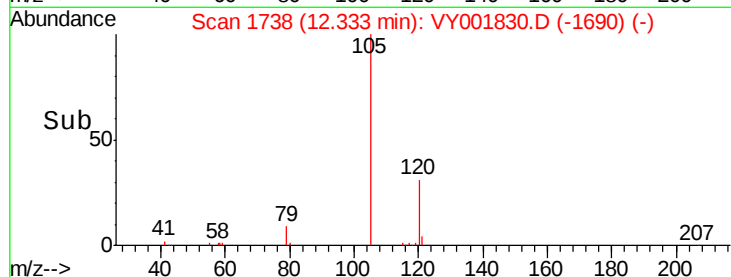
15000

10000

5000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 4.033 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Tgt Ion: 43 Resp: 12991

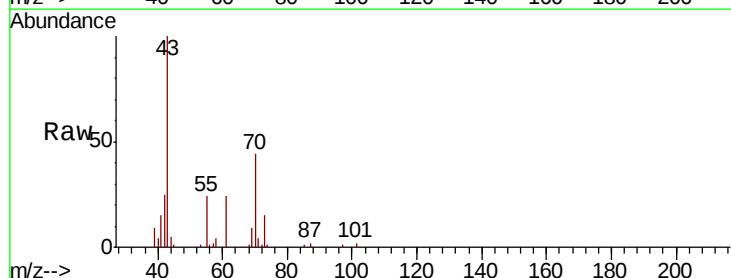
Ion Ratio Lower Upper

43 100

70 45.3 35.9 53.9

55 24.6 18.3 27.5

61 24.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

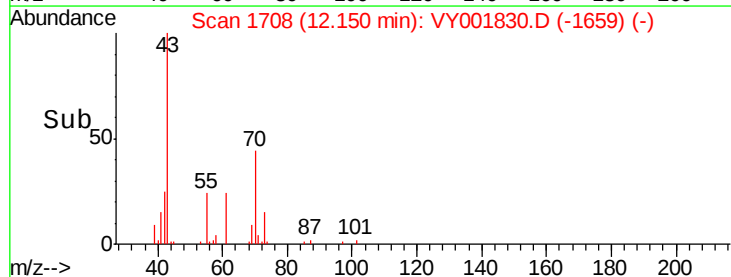
12.15

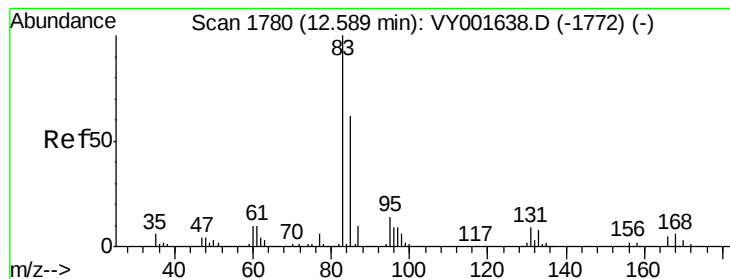
10000

5000

0

Time--> 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 4.454 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

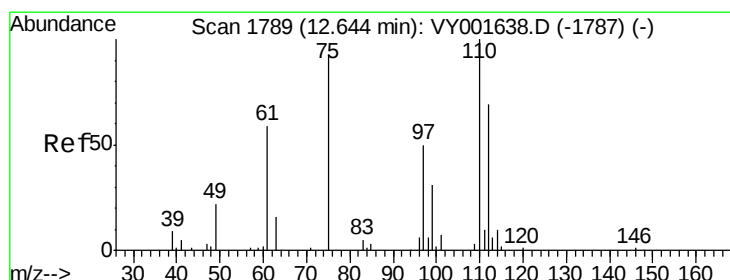
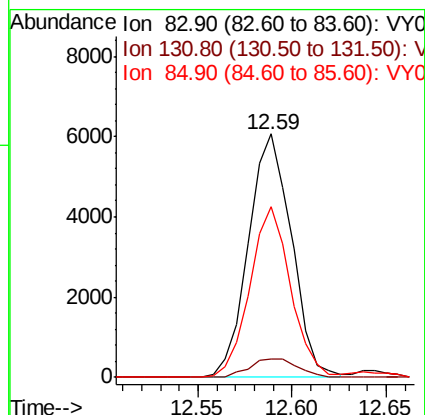
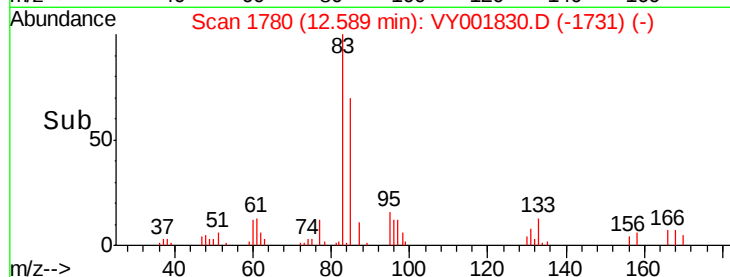
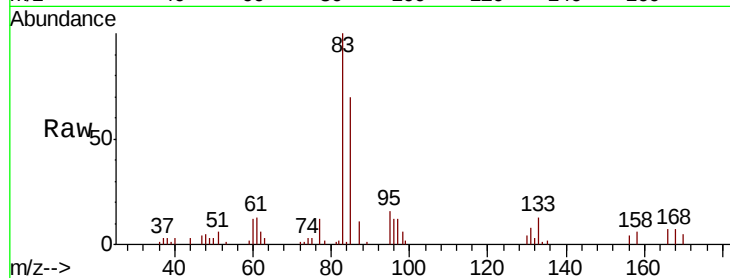
Tot Ion: 83 Resp: 9600

Ion Ratio Lower Upper

83 100

131 8.4 4.7 14.1

85 66.3 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 7.932 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001830.D

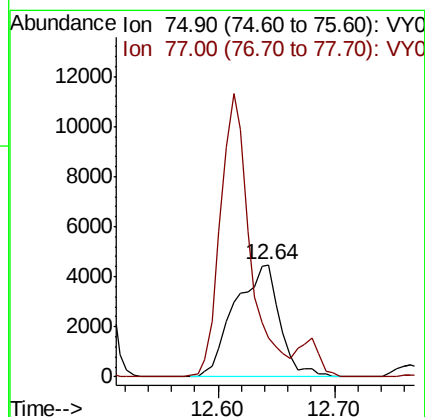
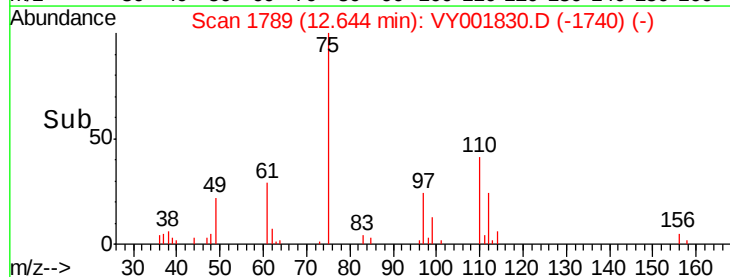
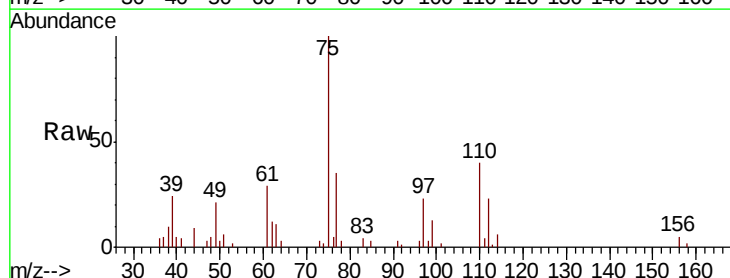
Acq: 03 Mar 2020 13:30

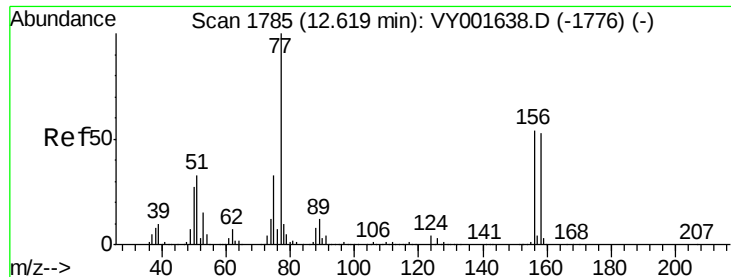
Tgt Ion: 75 Resp: 12056

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.586 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

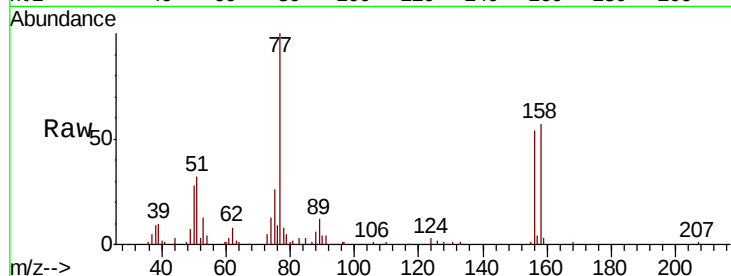
Tot Ion:156 Resp: 10035

Ion Ratio Lower Upper

156 100

77 199.9 110.1 330.1

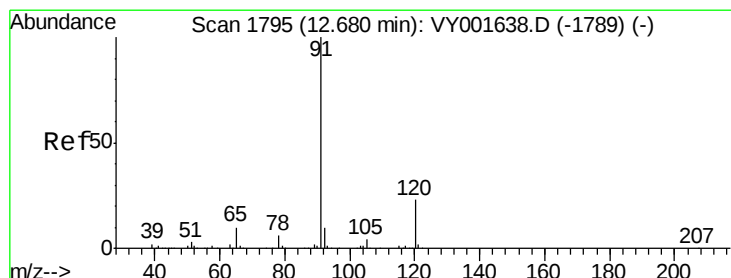
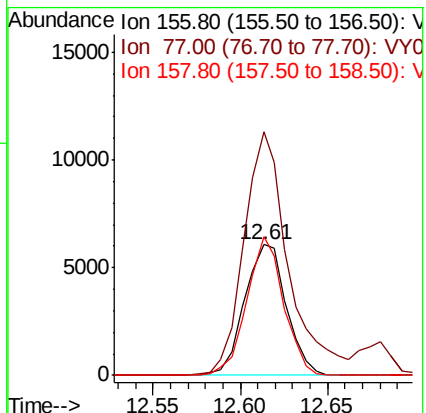
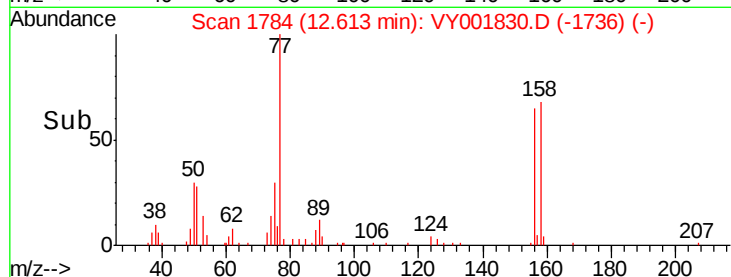
158 93.5 47.9 143.7



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: 4.340 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001830.D

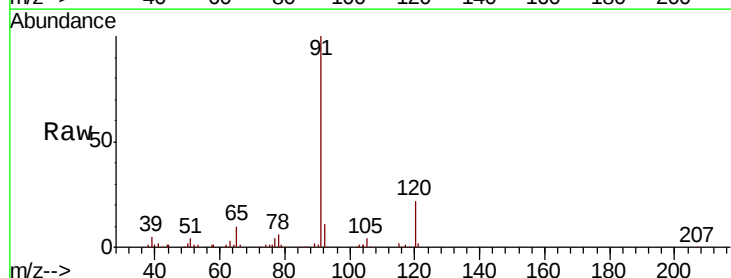
Acq: 03 Mar 2020 13:30

Tgt Ion: 91 Resp: 53350

Ion Ratio Lower Upper

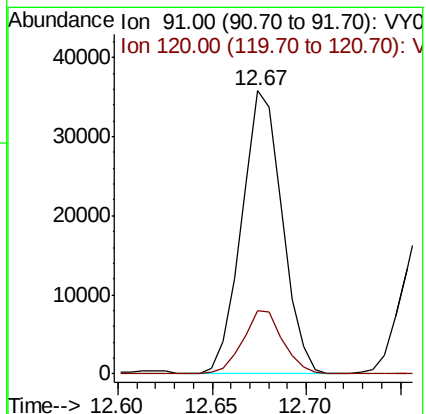
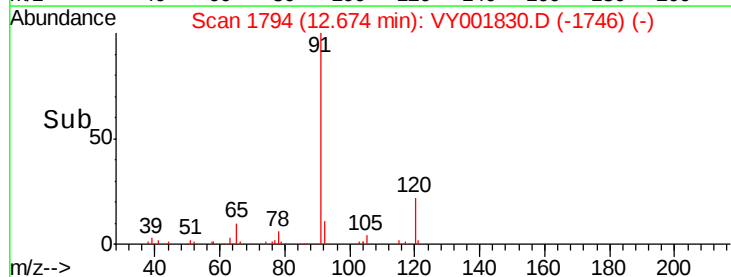
91 100

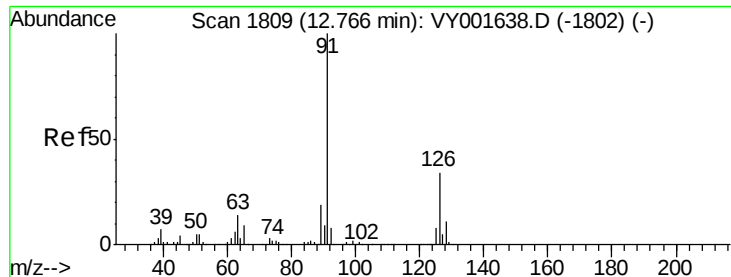
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

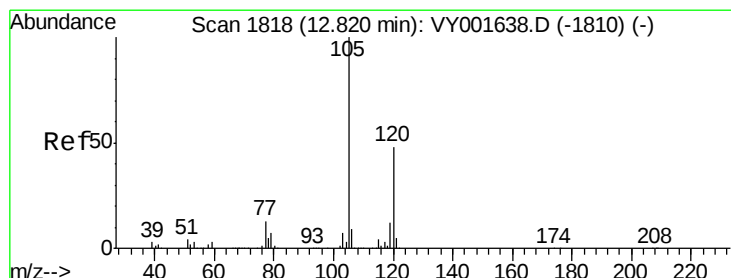
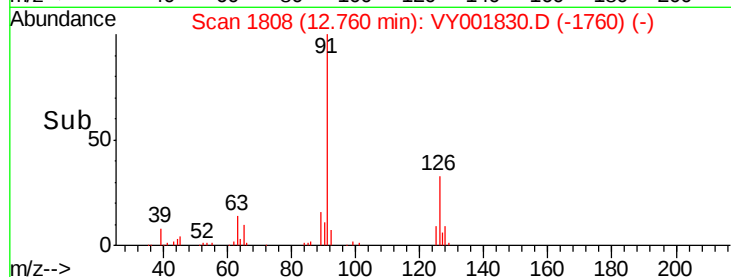
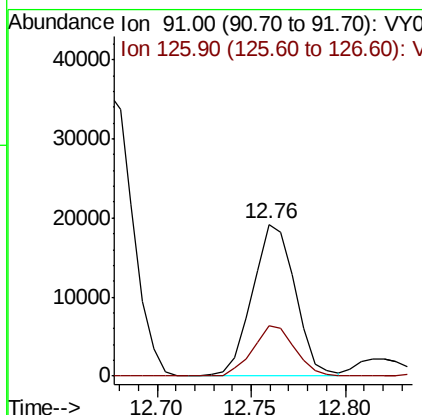
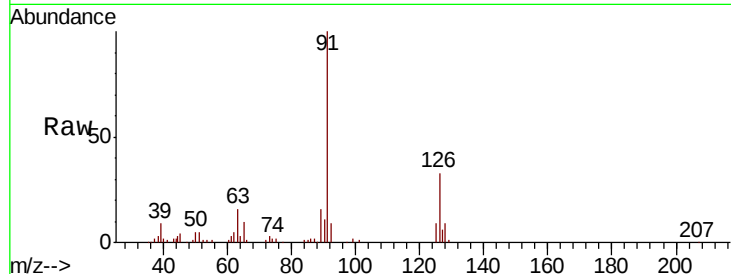




#79
2-Chlorotoluene
Concen: 4.379 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

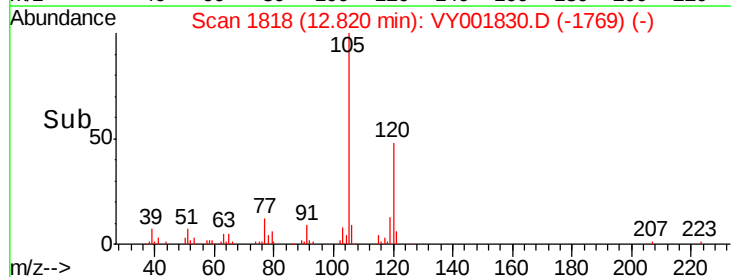
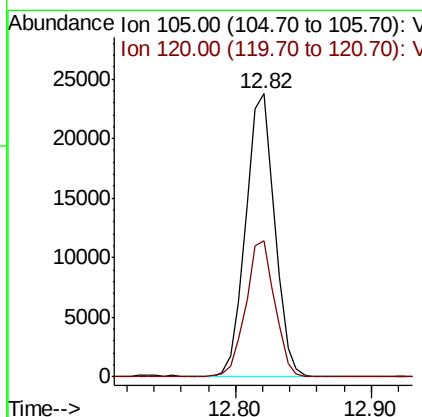
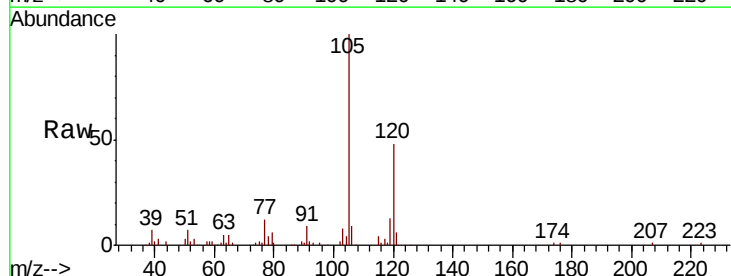
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

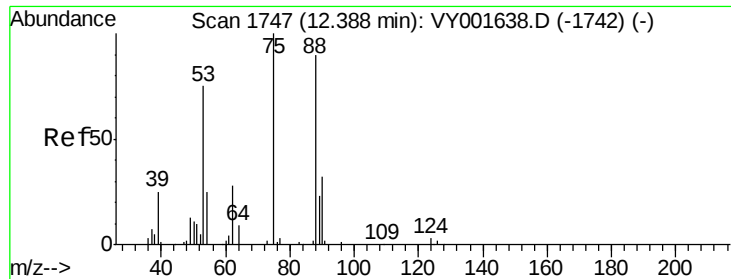
Tot Ion: 91 Resp: 30191
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 4.249 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 105 Resp: 35499
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 3.973 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

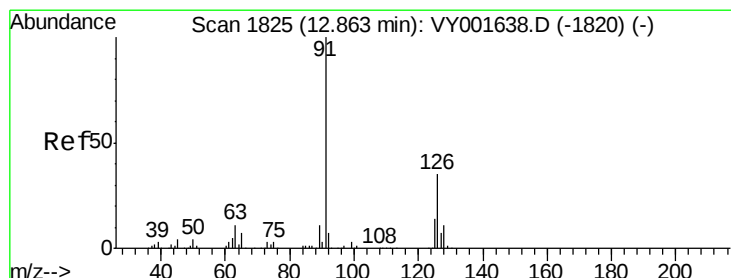
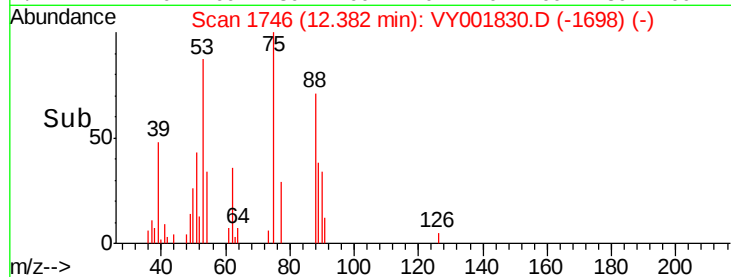
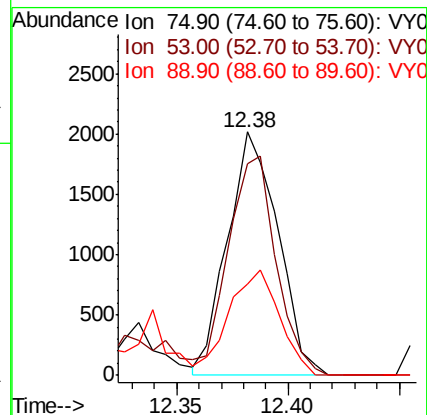
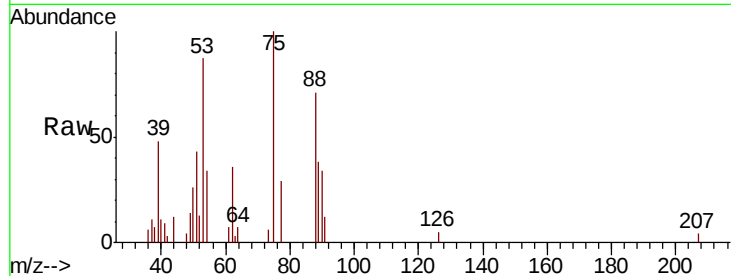
Tot Ion: 75 Resp: 3183

Ion Ratio Lower Upper

75 100

53 85.4 64.5 96.7

89 43.4 36.3 54.5



#82

4-Chlorotoluene

Concen: 4.282 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001830.D

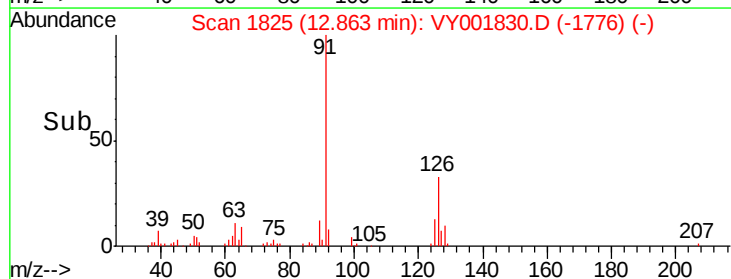
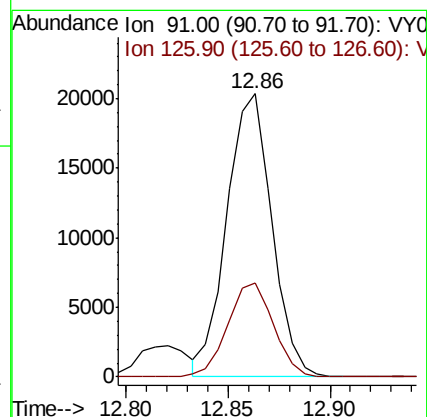
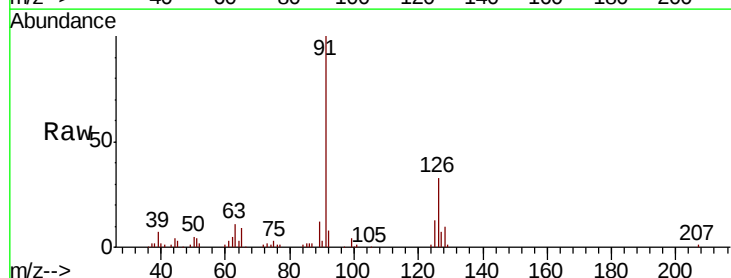
Acq: 03 Mar 2020 13:30

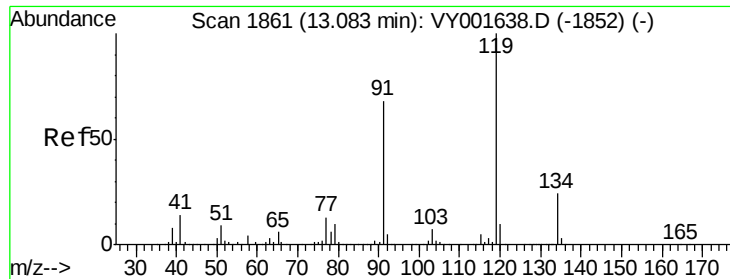
Tgt Ion: 91 Resp: 31139

Ion Ratio Lower Upper

91 100

126 33.6 16.2 48.6

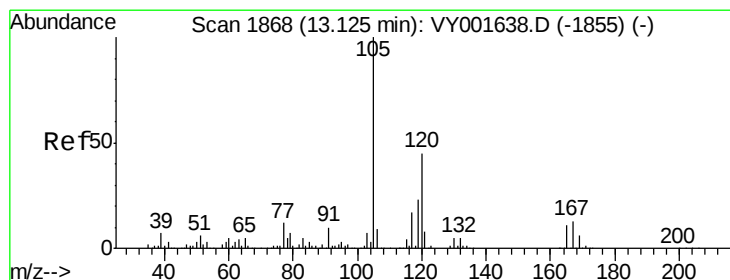
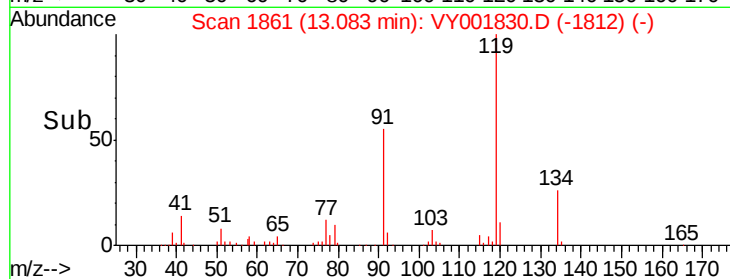
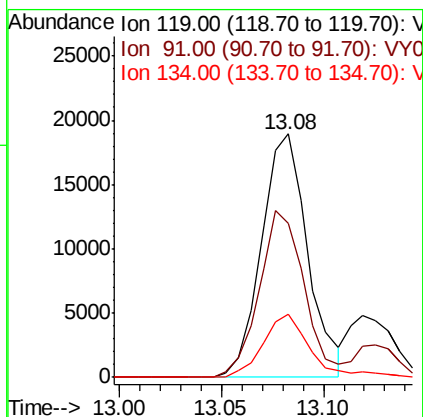
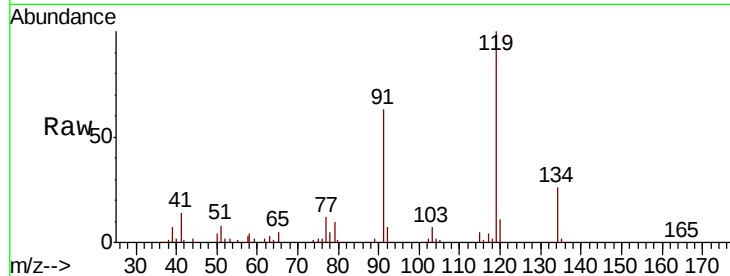




#83
tert-Butylbenzene
Concen: 4.285 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

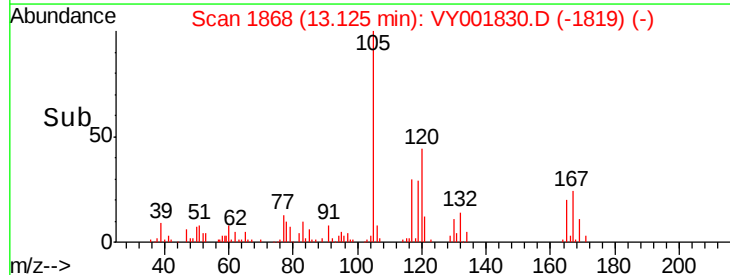
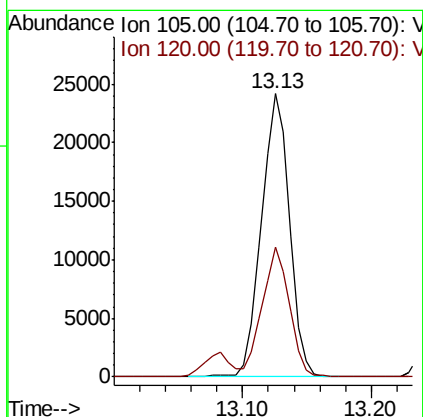
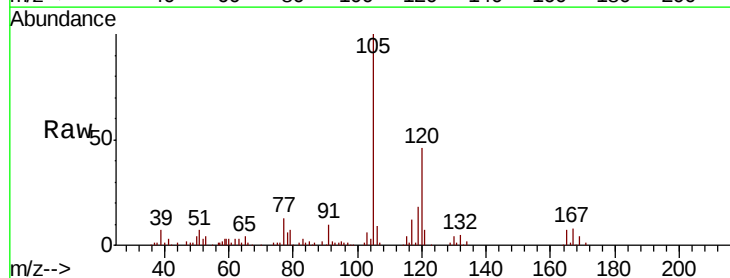
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

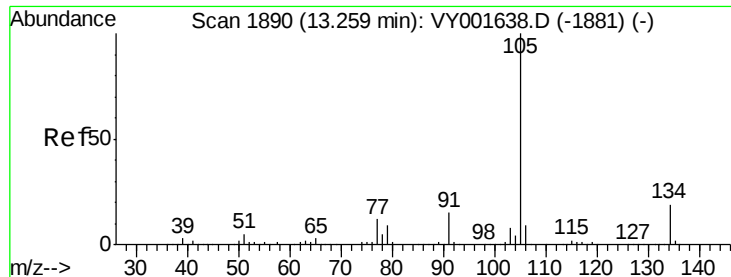
Tot Ion:119 Resp: 29945
Ion Ratio Lower Upper
119 100
91 66.3 33.5 100.5
134 26.6 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 4.358 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion:105 Resp: 36299
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3

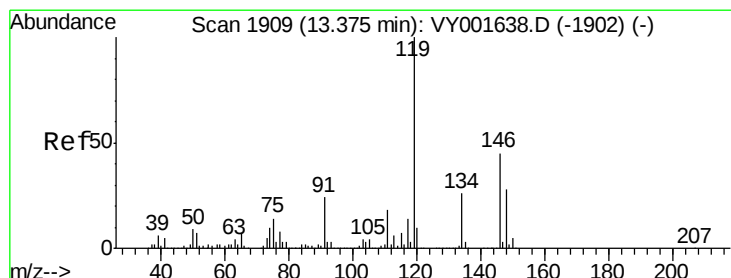
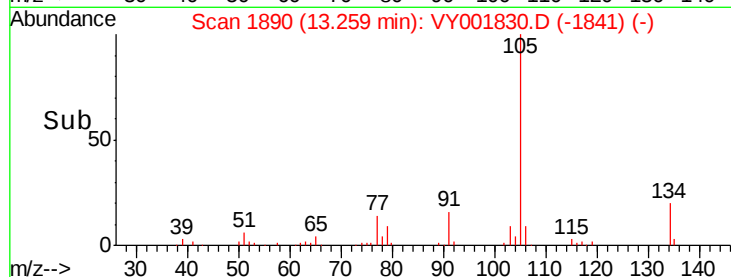
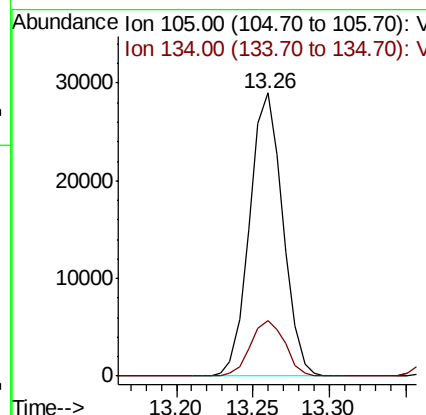
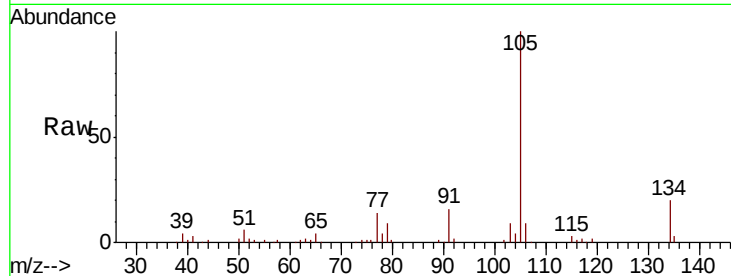




#85
 sec-Butylbenzene
 Concen: 4.260 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

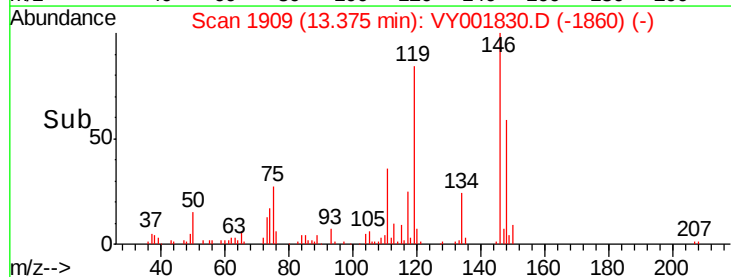
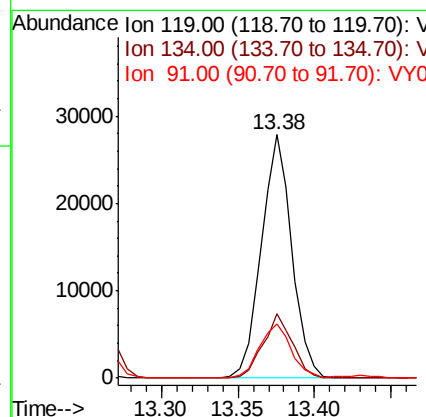
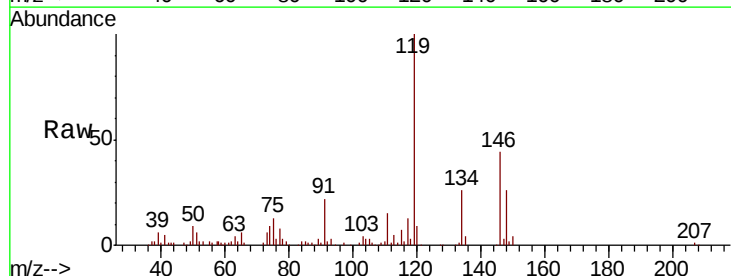
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

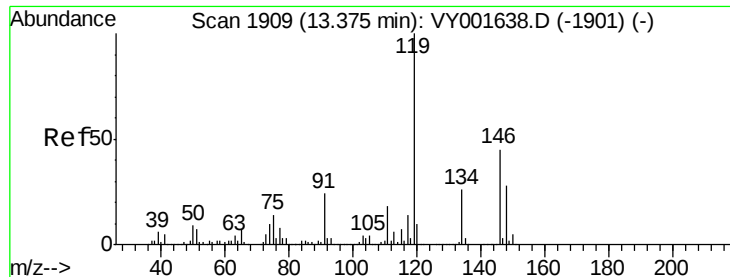
Tot Ion:105 Resp: 43781
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 4.320 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion:119 Resp: 38571
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 23.6 12.2 36.6

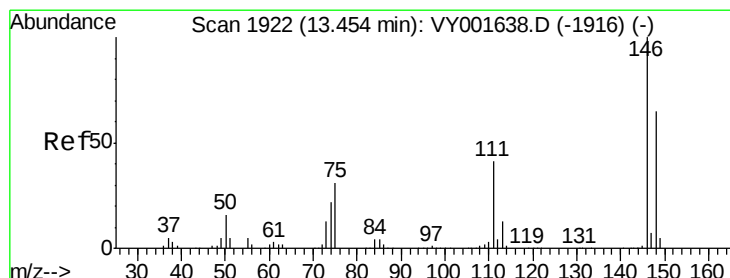
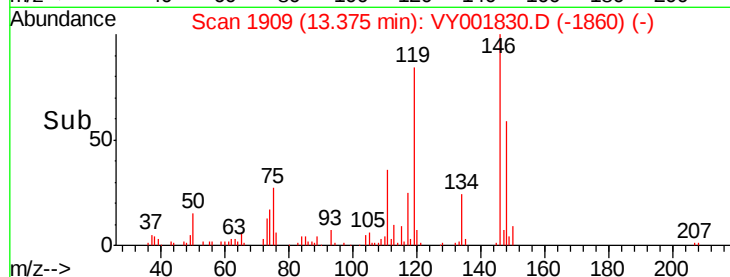
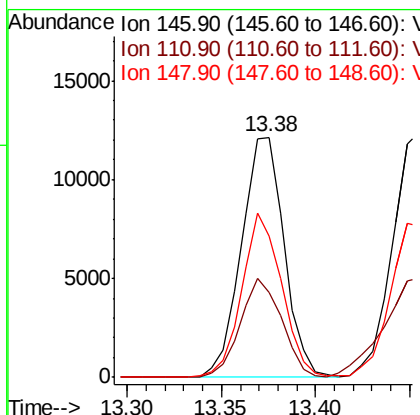
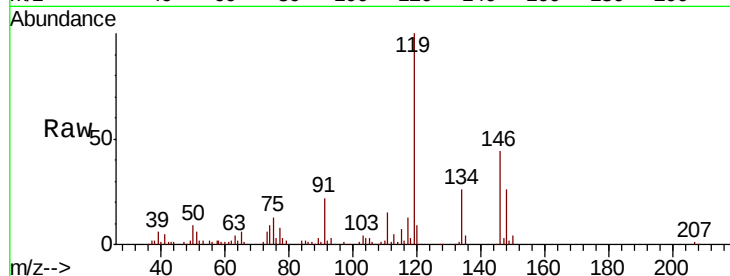




#87
 1,3-Dichlorobenzene
 Concen: 4.502 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

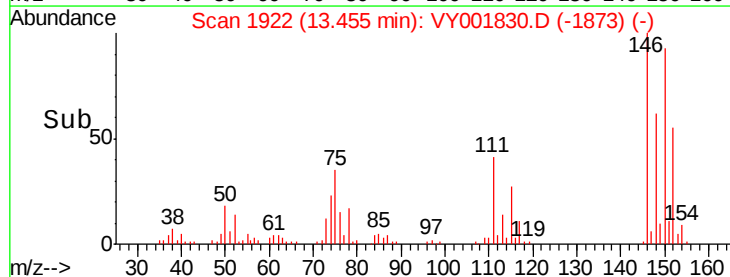
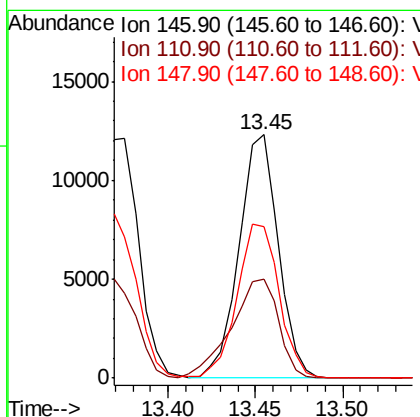
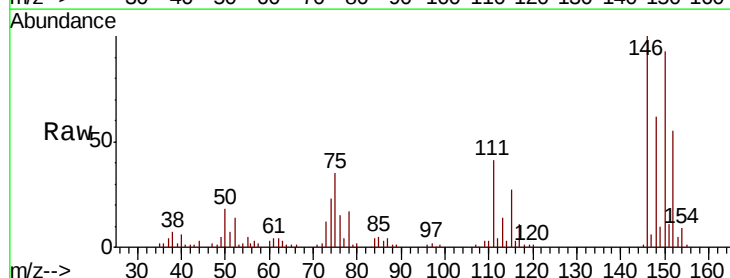
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

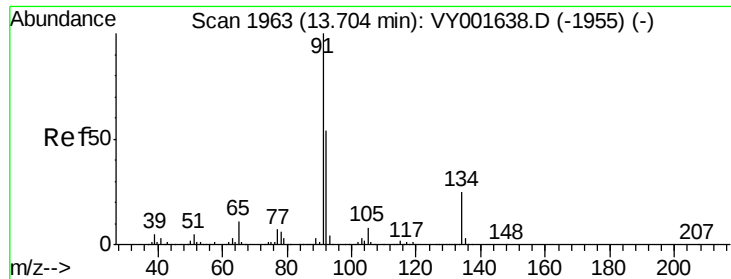
Tot Ion:146 Resp: 19103
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.4 64.3
 148 63.8 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 4.481 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion:146 Resp: 19221
 Ion Ratio Lower Upper
 146 100
 111 49.0 20.4 61.3
 148 67.6 31.6 94.7

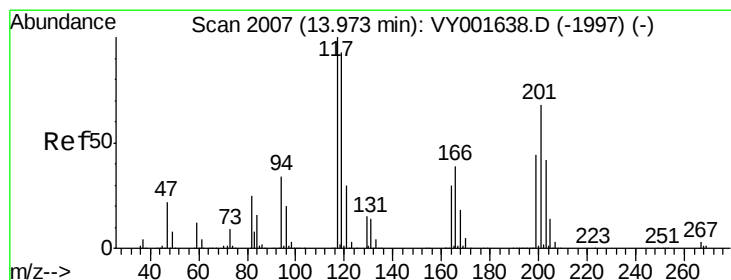
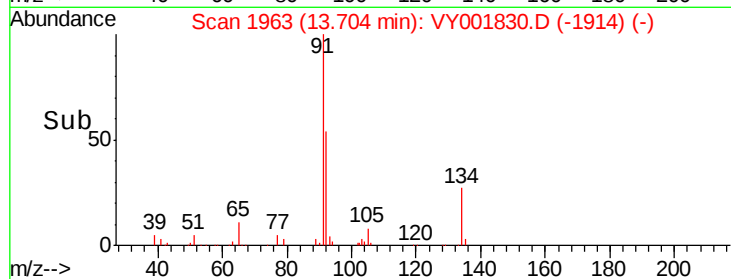
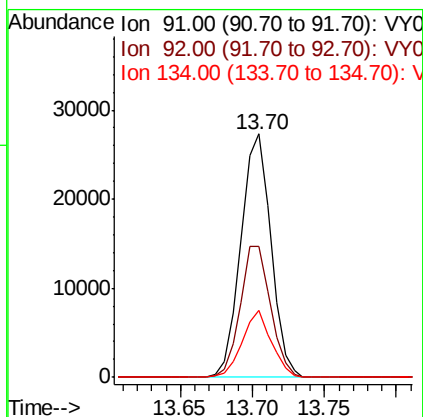
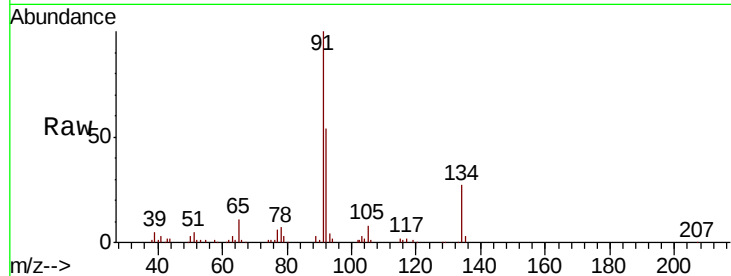




#89
n-Butylbenzene
Concen: 4.339 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

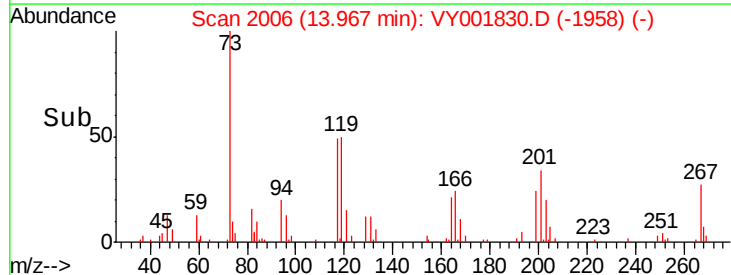
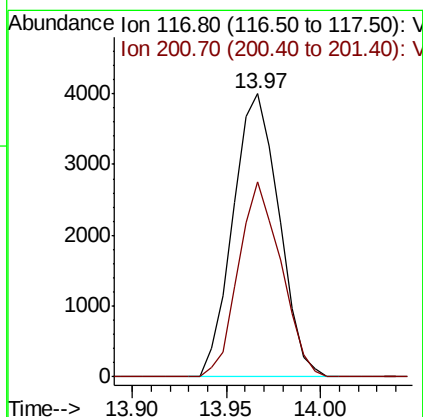
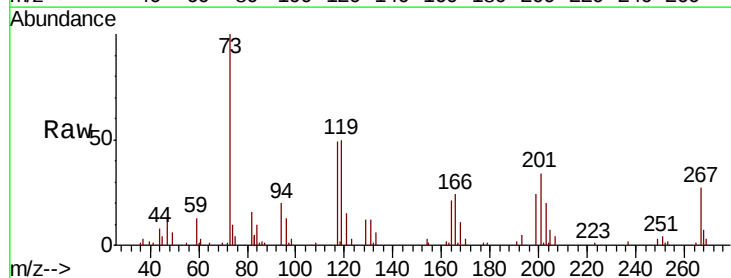
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

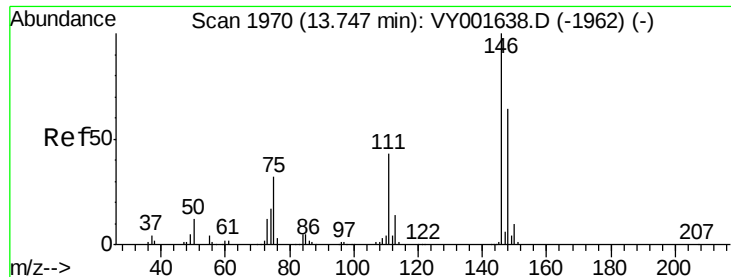
Tot Ion: 91 Resp: 39585
Ion Ratio Lower Upper
91 100
92 54.2 27.5 82.4
134 26.2 12.4 37.4



#90
Hexachloroethane
Concen: 4.020 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001830.D
Acq: 03 Mar 2020 13:30

Tgt Ion: 117 Resp: 6763
Ion Ratio Lower Upper
117 100
201 64.0 32.5 97.4

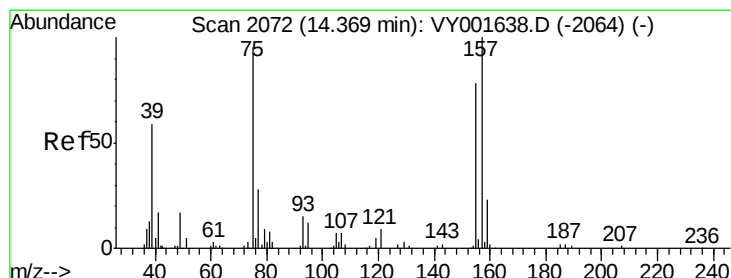
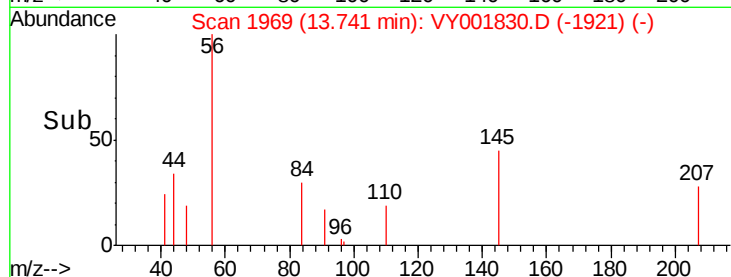
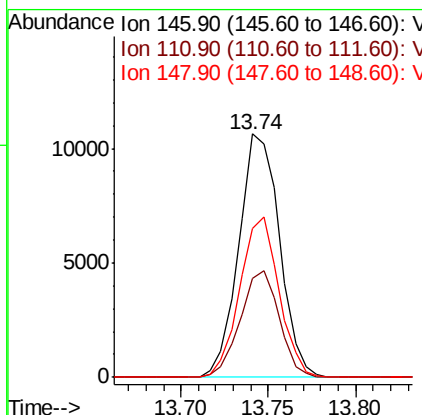
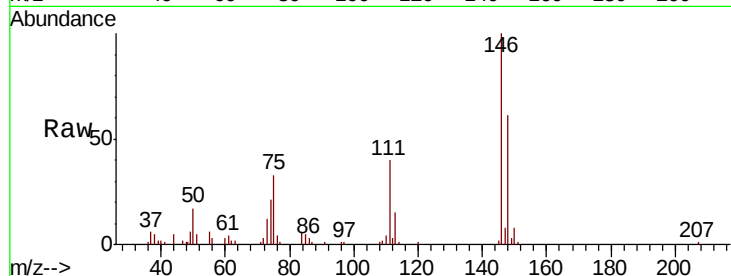




#91
 1,2-Dichlorobenzene
 Concen: 4.402 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

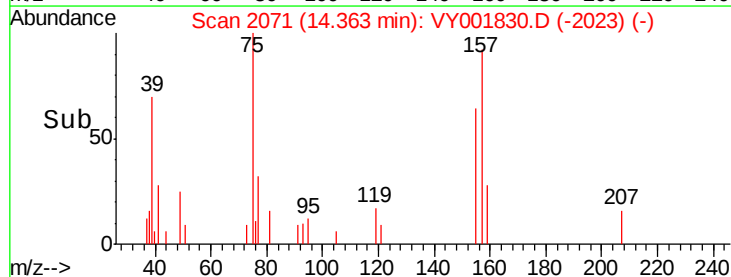
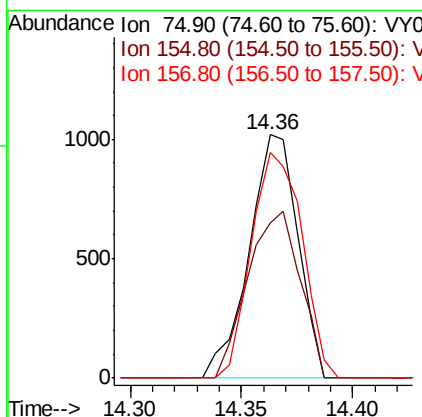
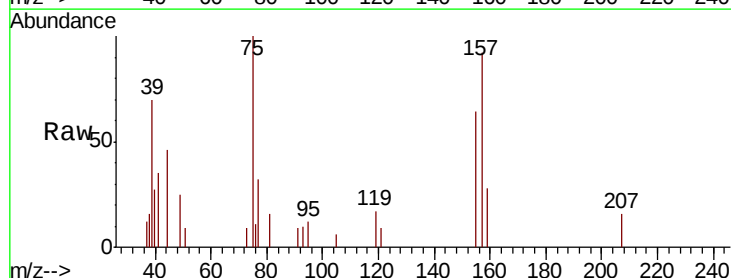
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

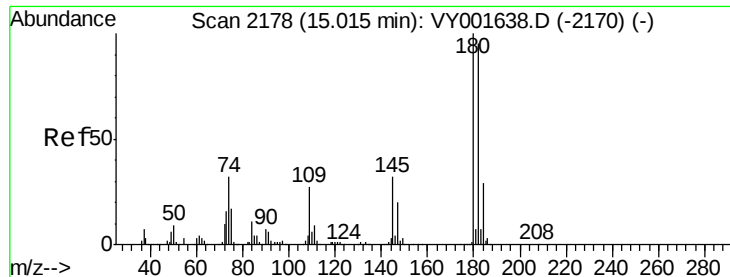
Tot Ion:146 Resp: 17240
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.9 65.7
 148 63.3 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.361 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion: 75 Resp: 1551
 Ion Ratio Lower Upper
 75 100
 155 73.7 40.8 122.4
 157 96.5 52.1 156.4

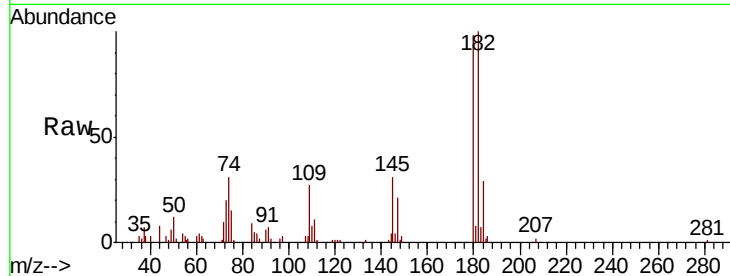




#93
 1,2,4-Trichlorobenzene
 Concen: 4.350 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	46.8	140.3
145	32.4	16.2	48.5

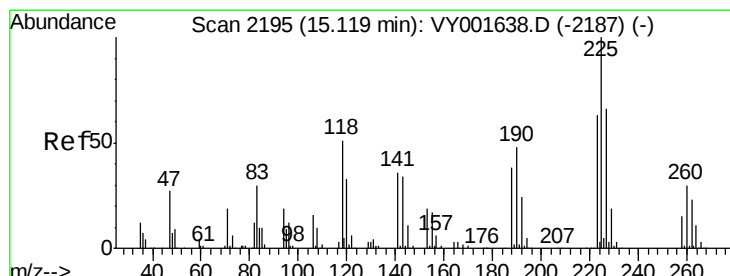
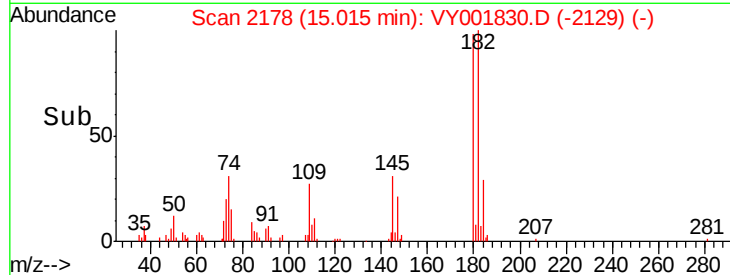
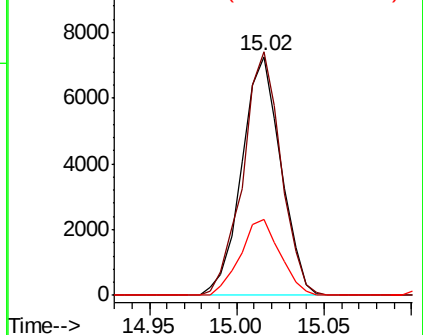


Abundance

Ion 179.80 (179.50 to 180.50): V

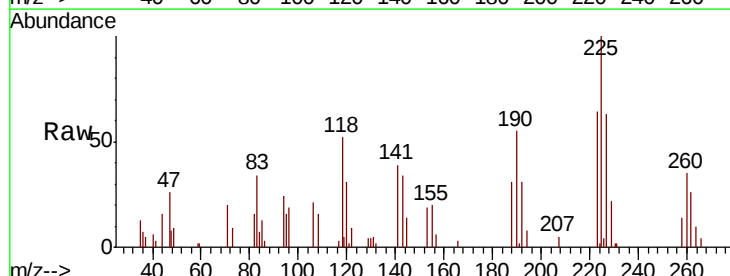
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.301 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001830.D
 Acq: 03 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.4	94.0
227	63.6	31.6	94.8

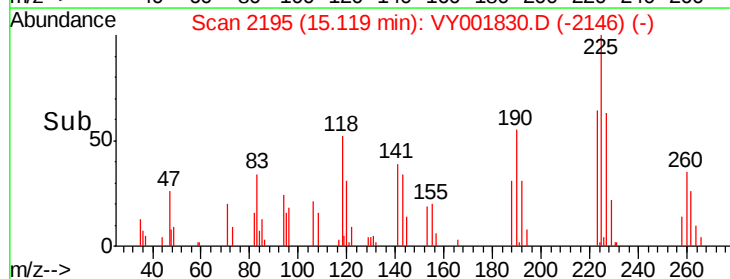
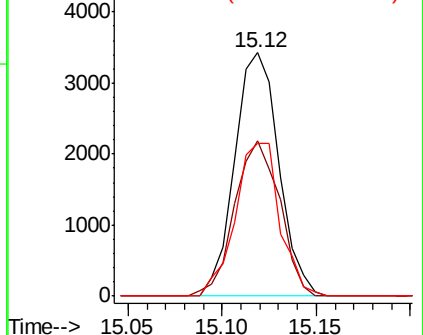


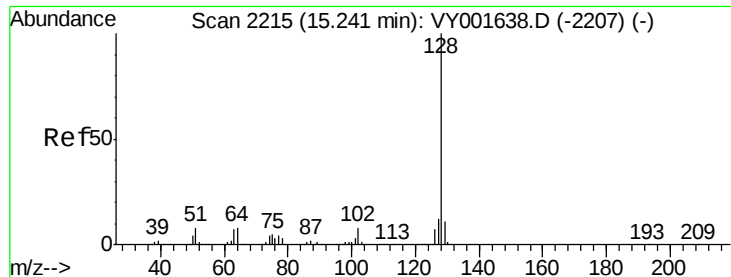
Abundance

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: 4.519 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

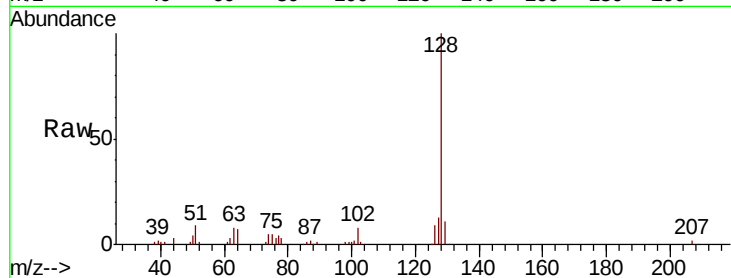
Tot Ion:128 Resp: 27042

Ion Ratio Lower Upper

128 100

127 11.1 9.9 14.9

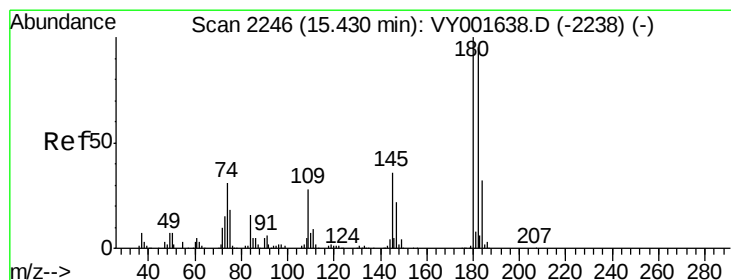
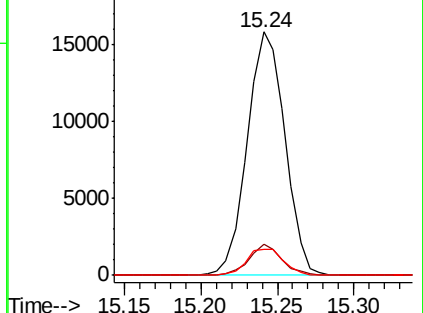
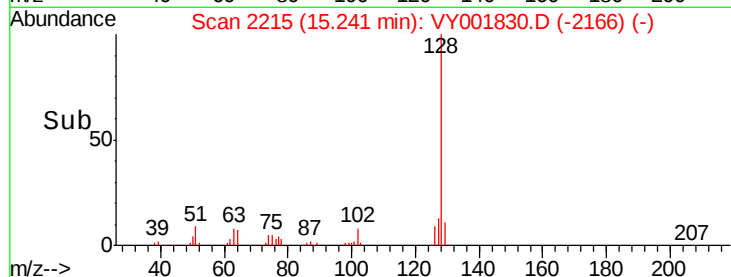
129 10.8 8.6 13.0



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: 4.496 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001830.D

Acq: 03 Mar 2020 13:30

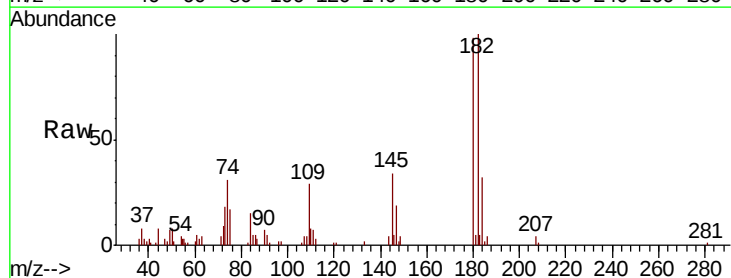
Tgt Ion:180 Resp: 10265

Ion Ratio Lower Upper

180 100

182 97.4 47.2 141.6

145 36.4 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

