

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003166.D
 Acq On : 10 Jul 2020 16:20
 Operator : SY/MD
 Sample : L3216-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 11 06:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	477466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	689483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	632651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	337358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	199658	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.72	113	195904	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.18	98	718693	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.48	95	256022	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	9806	2.865	ug/l	97
3) Chloromethane	2.12	50	13779	2.903	ug/l	100
4) Vinyl Chloride	2.26	62	13614	2.795	ug/l	95
5) Bromomethane	2.66	94	11042	3.052	ug/l	86
6) Chloroethane	2.80	64	8828	2.760	ug/l	96
7) Trichlorofluoromethane	3.13	101	20146	2.897	ug/l	97
8) Diethyl Ether	3.54	74	6724	2.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	12640	3.009	ug/l	96
10) Methyl Iodide	4.10	142	11779	2.581	ug/l	100
11) Tert butyl alcohol	4.96	59	7120	16.339	ug/l #	85
12) 1,1-Dichloroethene	3.87	96	11282	2.840	ug/l	88
13) Acrolein	3.74	56	5835	15.427	ug/l	85
14) Allyl chloride	4.49	41	14814	2.513	ug/l	93
15) Acrylonitrile	5.18	53	15243	13.615	ug/l #	89
16) Acetone	3.95	43	14661	16.287	ug/l #	85
17) Carbon Disulfide	4.21	76	32557	2.670	ug/l	99
18) Methyl Acetate	4.49	43	8166	3.267	ug/l	90
19) Methyl tert-butyl Ether	5.22	73	29182	2.621	ug/l	96
20) Methylene Chloride	4.72	84	41974	7.844	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	12985	2.889	ug/l	90
22) Diisopropyl ether	6.13	45	34756	2.656	ug/l #	95
23) Vinyl Acetate	6.07	43	105032	12.044	ug/l	98
24) 1,1-Dichloroethane	6.03	63	20175	2.661	ug/l	97
25) 2-Butanone	7.00	43	20054	13.568	ug/l	98
26) 2,2-Dichloropropane	6.99	77	17762	2.602	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	13543	2.737	ug/l	95
28) Bromochloromethane	7.34	49	8899	2.712	ug/l	99
29) Tetrahydrofuran	7.36	42	13194	13.288	ug/l	99
30) Chloroform	7.52	83	20869	2.673	ug/l	98
31) Cyclohexane	7.79	56	27700	3.779	ug/l #	66
32) 1,1,1-Trichloroethane	7.71	97	18868	2.684	ug/l	98
36) 1,1-Dichloropropene	7.93	75	16701	2.673	ug/l	99
37) Ethyl Acetate	7.09	43	9145	2.717	ug/l #	94
38) Carbon Tetrachloride	7.91	117	16914	2.622	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003166.D
 Acq On : 10 Jul 2020 16:20
 Operator : SY/MD
 Sample : L3216-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 11 06:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.19	83	21357	2.721	ug/l	99
40) Benzene	8.17	78	47807	2.778	ug/l #	88
41) Methacrylonitrile	7.36	41	13170	6.498	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	15182	2.866	ug/l	98
43) Isopropyl Acetate	8.28	43	16446	2.525	ug/l	97
44) Trichloroethene	8.94	130	14861	2.817	ug/l	84
45) 1,2-Dichloropropane	9.22	63	12219	2.744	ug/l	93
46) Dibromomethane	9.31	93	7023	2.701	ug/l	99
47) Bromodichloromethane	9.50	83	15892	2.570	ug/l	96
48) Methyl methacrylate	9.30	41	7659	2.630	ug/l	96
49) 1,4-Dioxane	9.30	88	1973	59.782	ug/l #	77
51) 4-Methyl-2-Pentanone	10.07	43	42702	12.612	ug/l	99
52) Toluene	10.25	92	29679	2.699	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	16855	2.630	ug/l	93
54) cis-1,3-Dichloropropene	9.92	75	18275	2.475	ug/l	92
55) 1,1,2-Trichloroethane	10.64	97	9462	2.568	ug/l	91
56) Ethyl methacrylate	10.51	69	11634	2.322	ug/l	96
57) 1,3-Dichloropropane	10.79	76	15950	2.553	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	31071	12.161	ug/l	96
59) 2-Hexanone	10.83	43	28149	11.910	ug/l	97
60) Dibromochloromethane	10.99	129	11422	2.464	ug/l	93
61) 1,2-Dibromoethane	11.09	107	9563	2.629	ug/l	96
64) Tetrachloroethene	10.72	164	16174	2.867	ug/l	93
65) Chlorobenzene	11.52	112	32216	2.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	11859	2.505	ug/l	96
67) Ethyl Benzene	11.59	91	58083	2.669	ug/l	100
68) m/p-Xylenes	11.70	106	43885	5.315	ug/l	100
69) o-Xylene	12.03	106	19564	2.536	ug/l	96
70) Styrene	12.05	104	32767	2.483	ug/l	98
71) Bromoform	12.20	173	8006	2.577	ug/l #	93
73) Isopropylbenzene	12.33	105	56202	2.614	ug/l	99
74) N-amyl acetate	12.14	43	14935	2.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	11204	2.698	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	15923	5.332	ug/l #	100
77) Bromobenzene	12.61	156	14657	2.675	ug/l	99
78) n-propylbenzene	12.67	91	68283	2.694	ug/l	97
79) 2-Chlorotoluene	12.75	91	36946	2.613	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	46816	2.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	4014	2.616	ug/l	99
82) 4-Chlorotoluene	12.85	91	39792	2.696	ug/l	98
83) tert-Butylbenzene	13.07	119	42436	2.684	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	47821	2.652	ug/l	95
85) sec-Butylbenzene	13.25	105	58104	2.674	ug/l	98
86) p-Isopropyltoluene	13.37	119	54868	2.704	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	29541	2.851	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	28846	2.811	ug/l	85
89) n-Butylbenzene	13.69	91	53052	2.780	ug/l	99
90) Hexachloroethane	13.95	117	9831	2.661	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	26313	2.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2322	3.449	ug/l	88

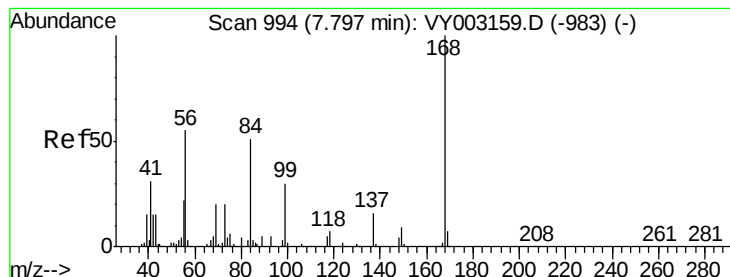
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
Data File : VY003166.D
Acq On : 10 Jul 2020 16:20
Operator : SY/MD
Sample : L3216-03 2.5PPBMDL
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Quant Time: Jul 11 06:49:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	22044	3.407	ug/l	98
94) Hexachlorobutadiene	15.11	225	13589	3.065	ug/l	98
95) Naphthalene	15.23	128	35034	3.277	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	18226	3.564	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

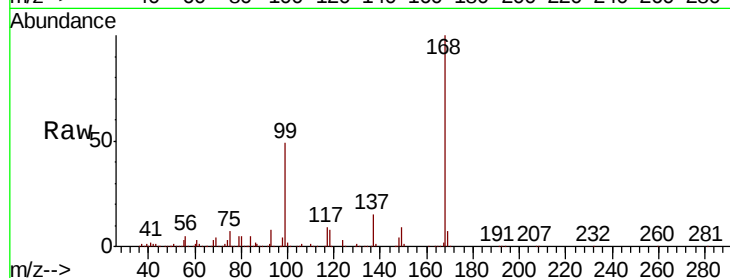
MDL-SOIL-03-QT3-2020

Tot Ion:168 Resp: 477466

Ion Ratio Lower Upper

168 100

99 48.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

200000

150000

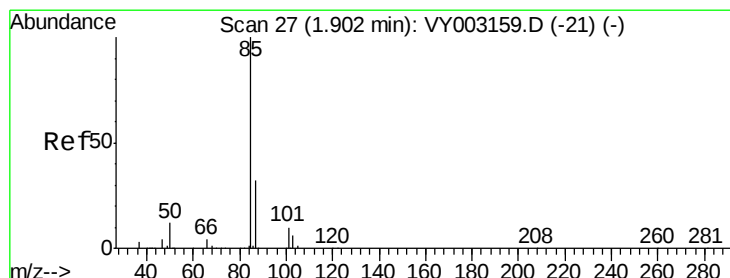
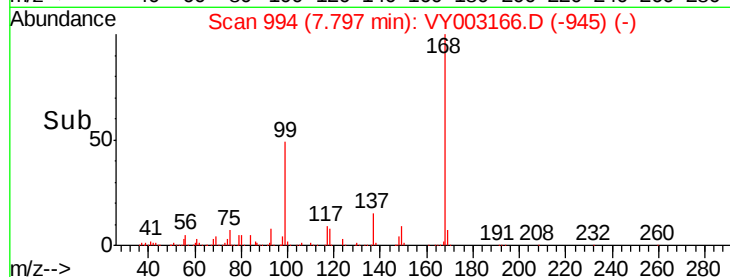
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.865 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003166.D

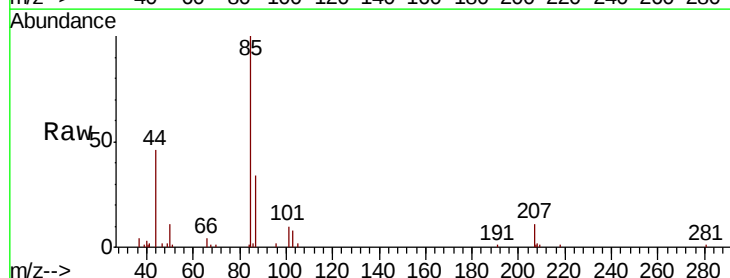
Acq: 10 Jul 2020 16:20

Tgt Ion: 85 Resp: 9806

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003159.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003159.D (-21) (-)

1.91

6000

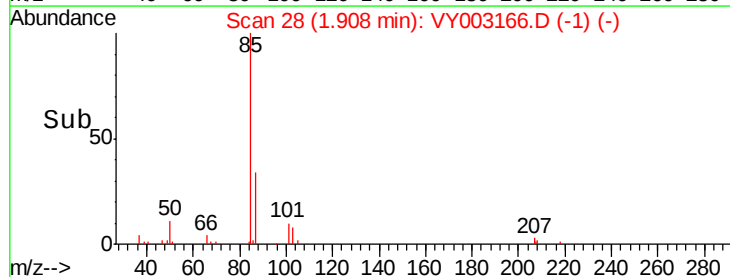
4000

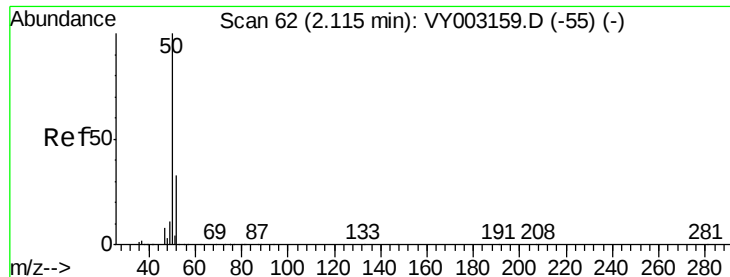
2000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 2.903 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

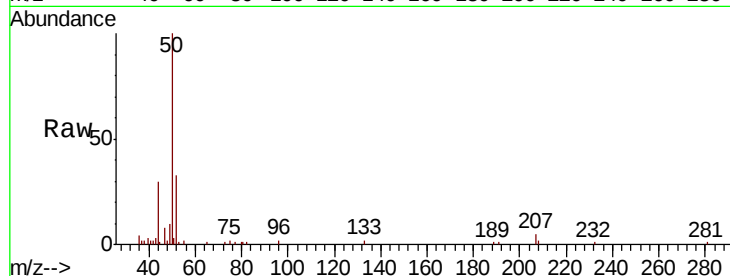
MDL-SOIL-03-QT3-2020

Tot Ion: 50 Resp: 13779

Ion Ratio Lower Upper

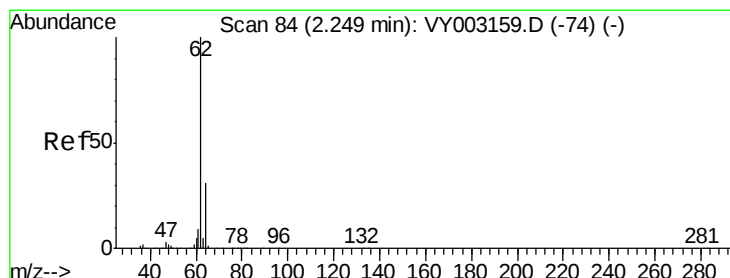
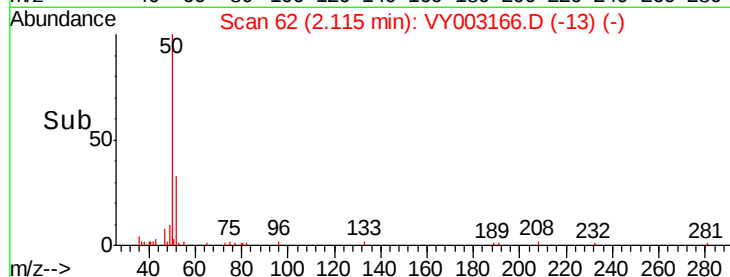
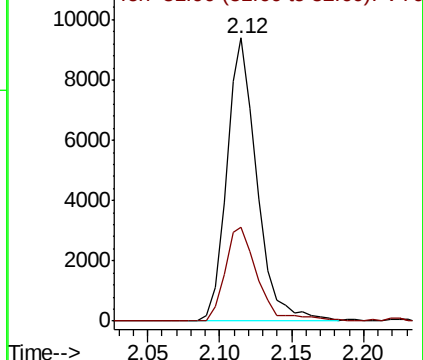
50 100

52 33.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.795 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003166.D

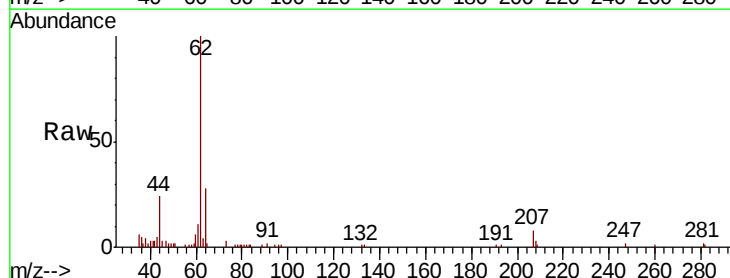
Acq: 10 Jul 2020 16:20

Tgt Ion: 62 Resp: 13614

Ion Ratio Lower Upper

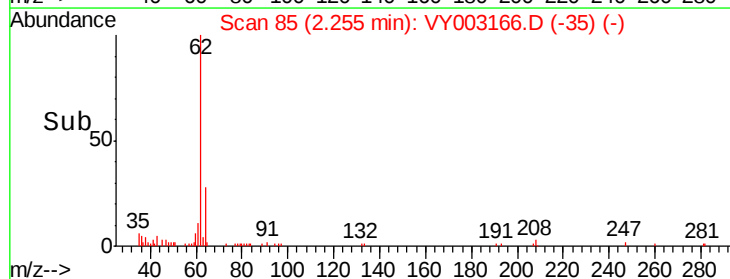
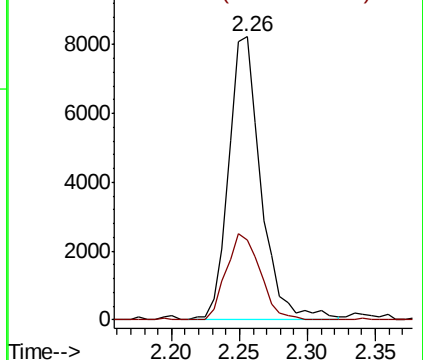
62 100

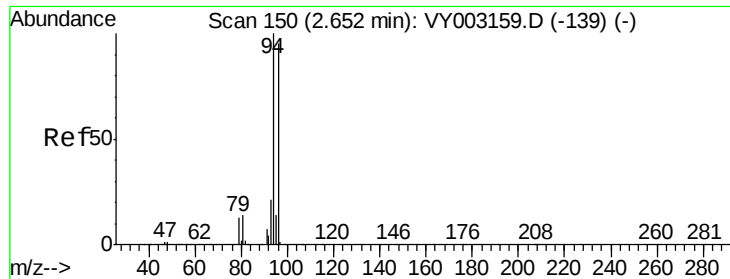
64 28.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.052 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

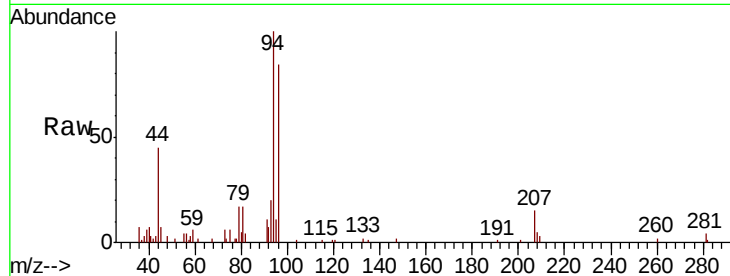
MDL-SOIL-03-QT3-2020

Tot Ion: 94 Resp: 11042

Ion Ratio Lower Upper

94 100

96 81.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

6000

5000

4000

3000

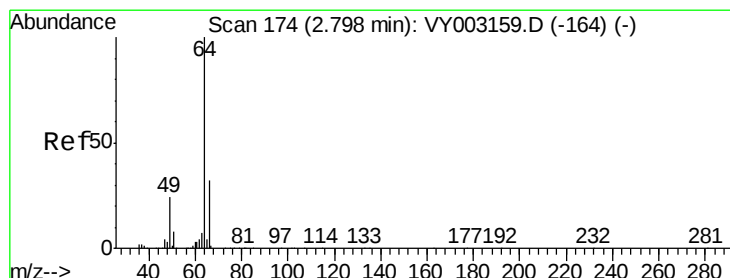
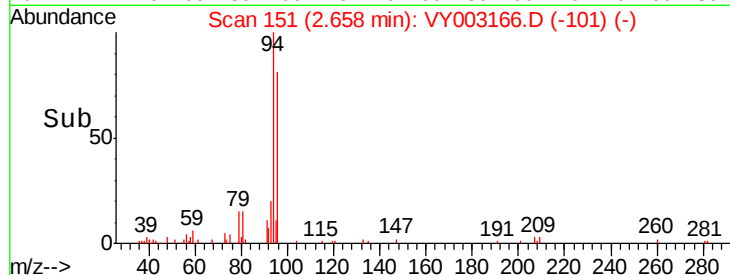
2000

1000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 2.760 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003166.D

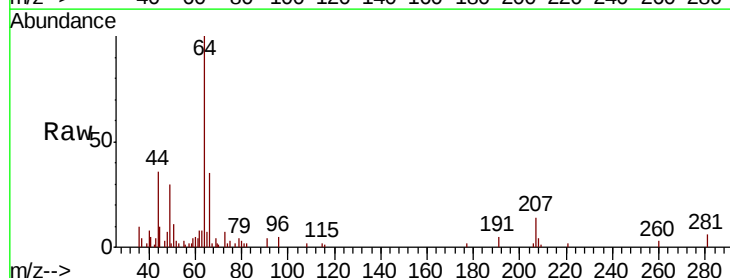
Acq: 10 Jul 2020 16:20

Tgt Ion: 64 Resp: 8828

Ion Ratio Lower Upper

64 100

66 34.6 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

4000

3000

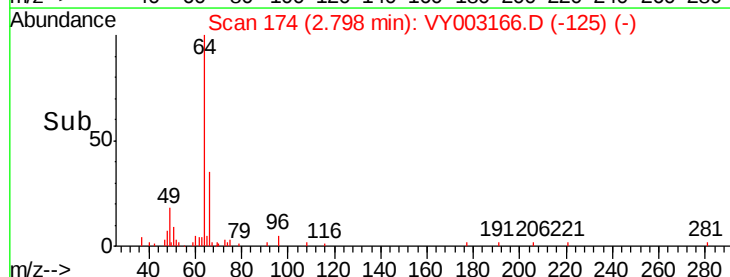
2000

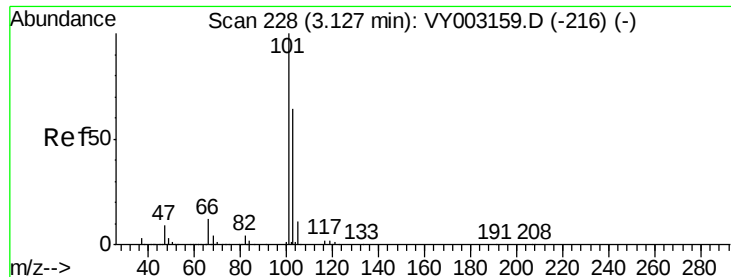
1000

0

Time-->

2.70 2.75 2.80 2.85 2.90



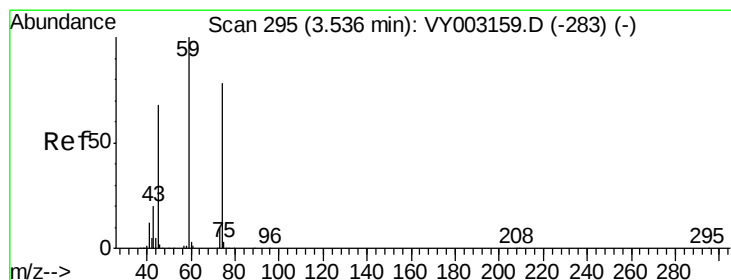
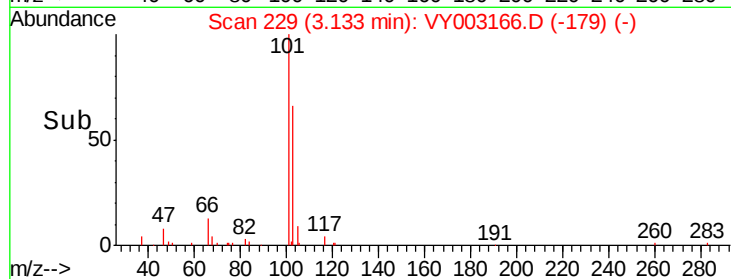
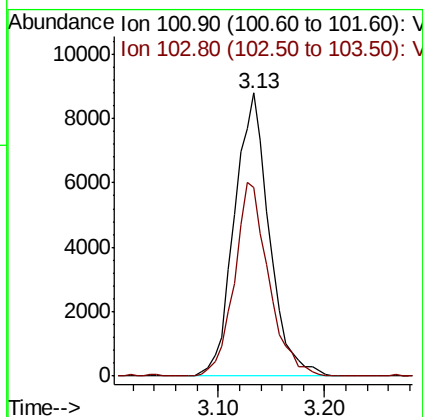
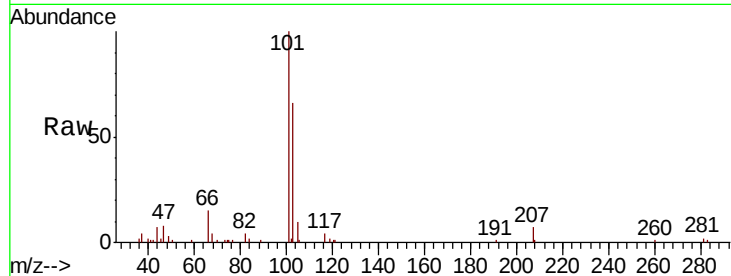


#7

Trichlorofluoromethane
Concen: 2.897 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

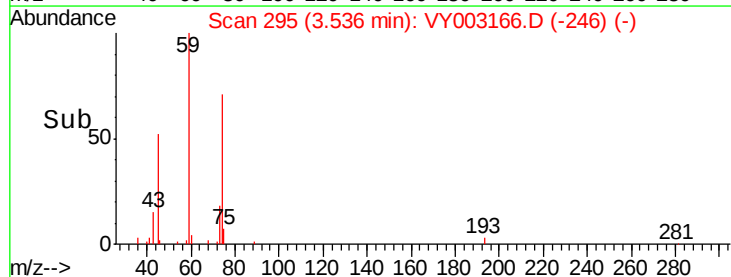
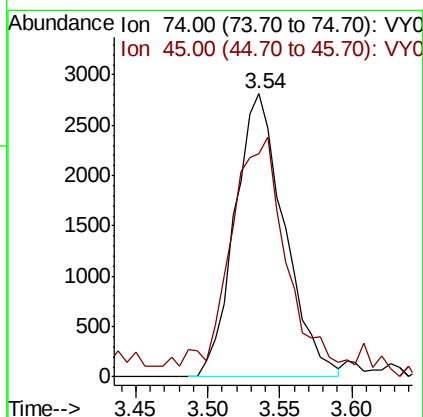
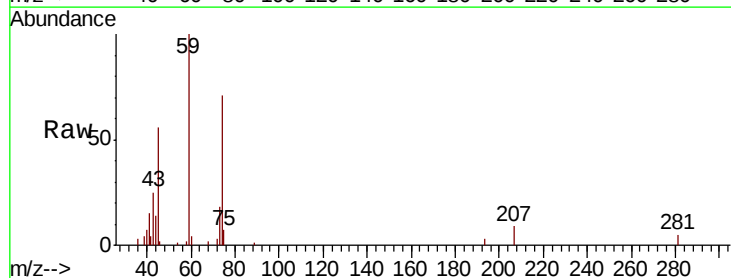
Tot Ion:101 Resp: 20146
Ion Ratio Lower Upper
101 100
103 66.5 51.3 76.9

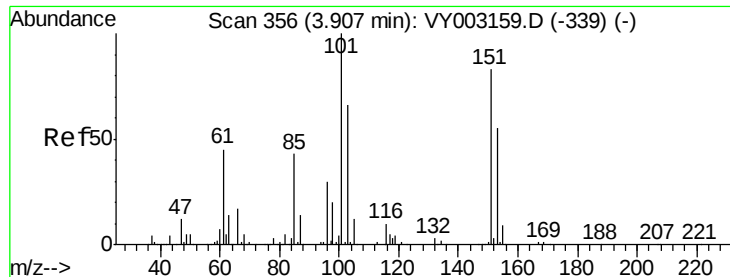


#8

Diethyl Ether
Concen: 2.885 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 74 Resp: 6724
Ion Ratio Lower Upper
74 100
45 91.4 45.3 135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.009 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

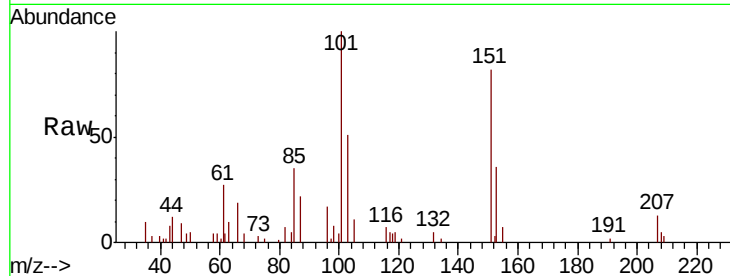
Tot Ion:101 Resp: 12640

Ion Ratio Lower Upper

101 100

85 42.0 34.9 52.3

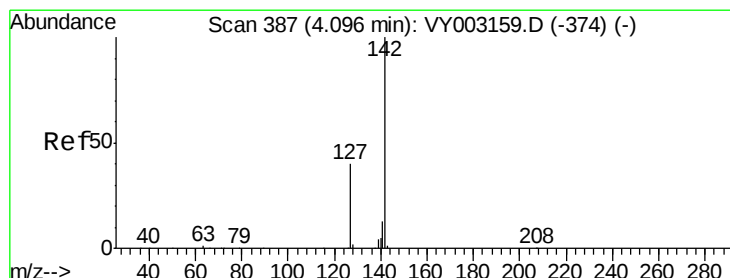
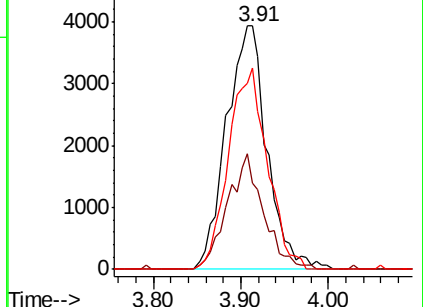
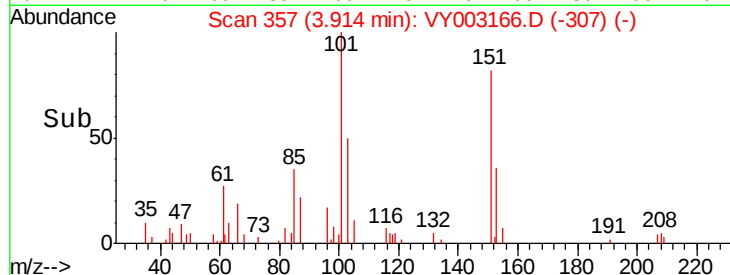
151 79.3 67.0 100.6



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: 2.581 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

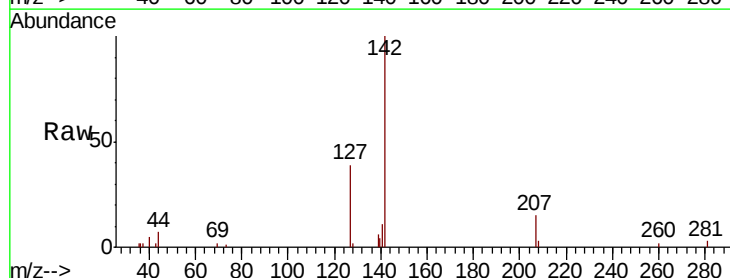
Tgt Ion:142 Resp: 11779

Ion Ratio Lower Upper

142 100

127 42.0 33.5 50.3

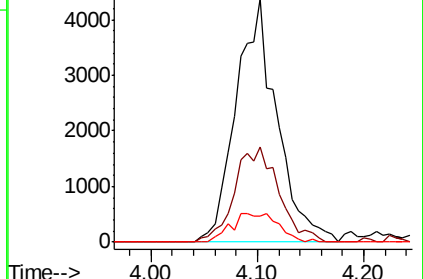
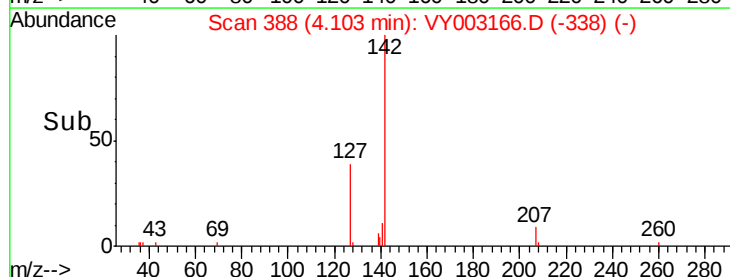
141 13.7 11.2 16.8

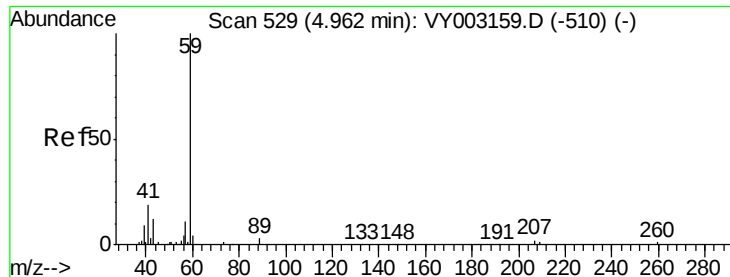


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

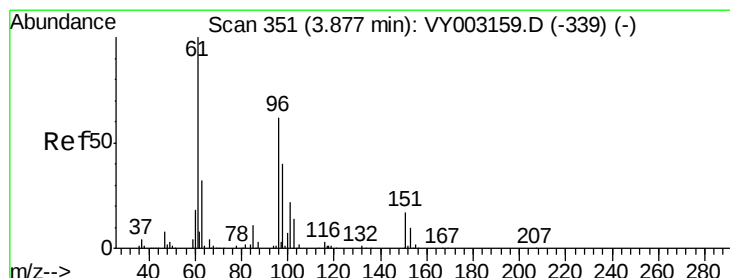
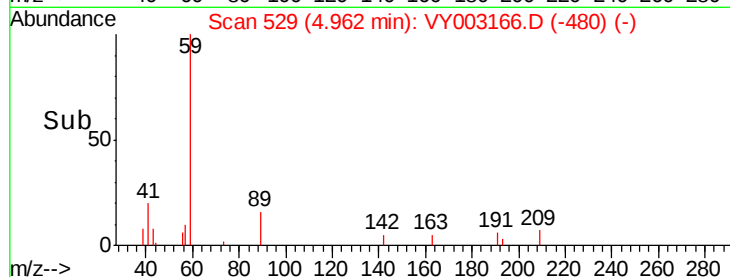
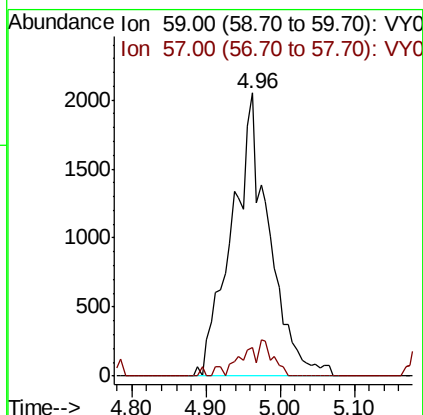
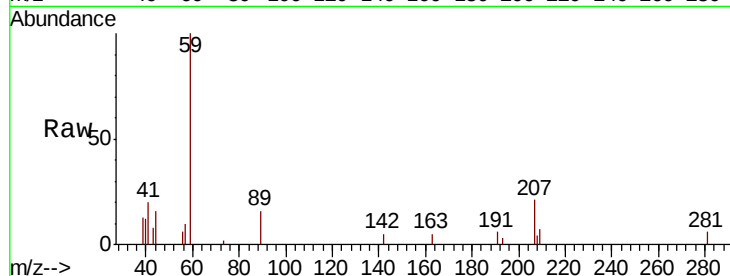




#11
Tert butyl alcohol
Concen: 16.339 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

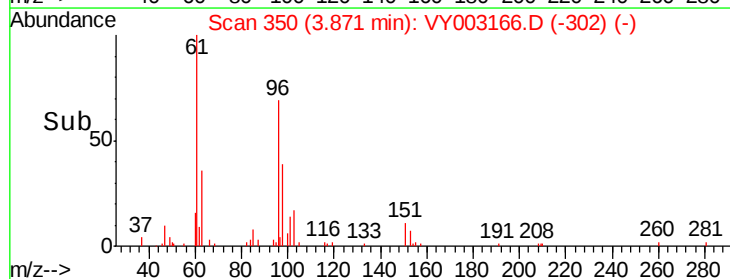
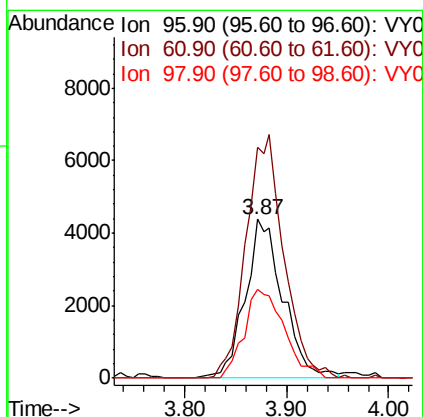
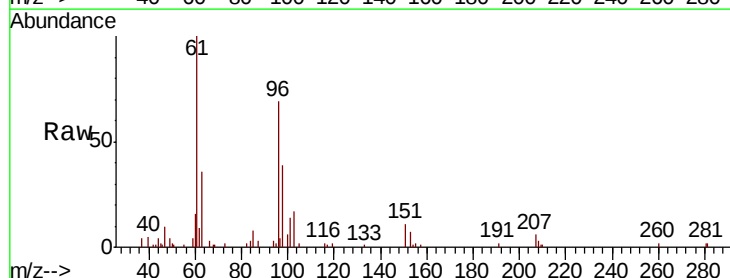
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

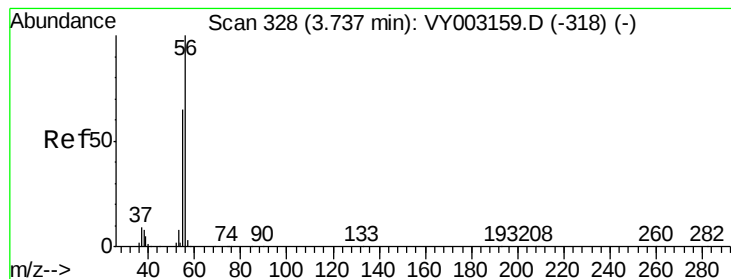
Tot Ion: 59 Resp: 7120
Ion Ratio Lower Upper
59 100
57 4.9 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 2.840 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 96 Resp: 11282
Ion Ratio Lower Upper
96 100
61 145.2 128.6 193.0
98 56.0 51.6 77.4





#13

Acrolein

Concen: 15.427 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

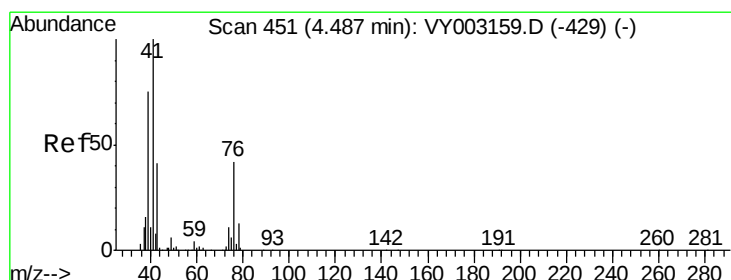
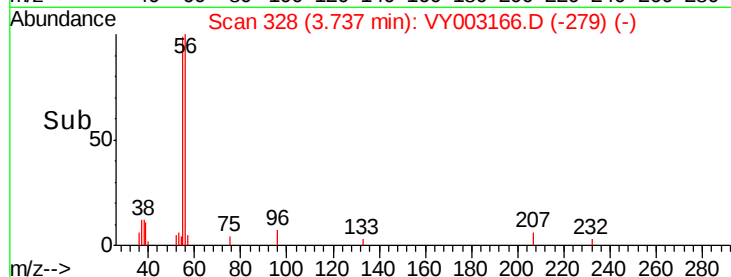
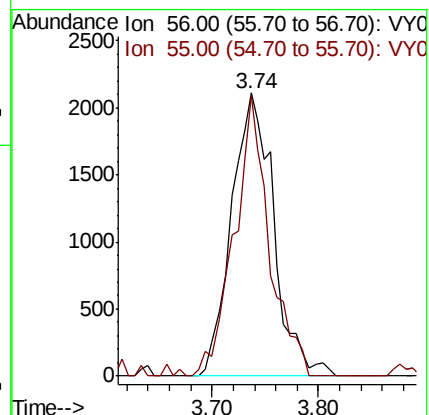
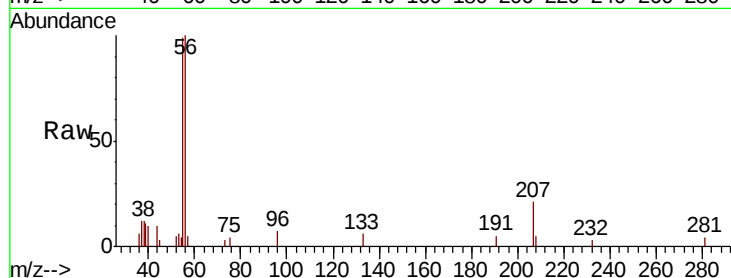
MDL-SOIL-03-QT3-2020

Tot Ion: 56 Resp: 5835

Ion Ratio Lower Upper

56 100

55 82.6 56.0 84.0



#14

Allyl chloride

Concen: 2.513 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

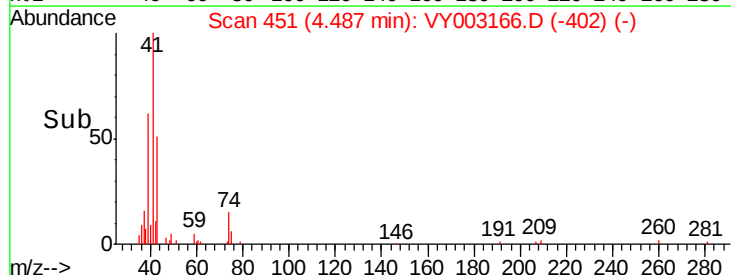
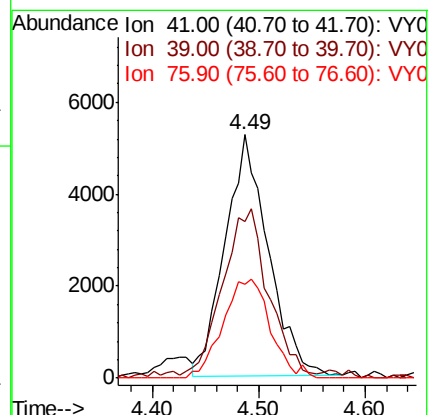
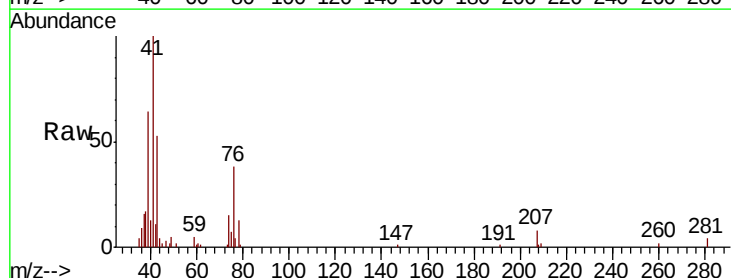
Tgt Ion: 41 Resp: 14814

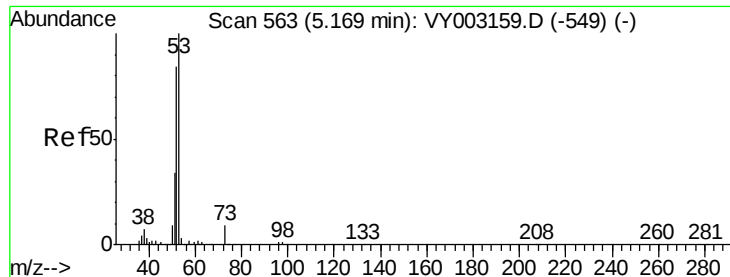
Ion Ratio Lower Upper

41 100

39 76.1 56.6 85.0

76 45.0 31.6 47.4





#15

Acrylonitrile

Concen: 13.615 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

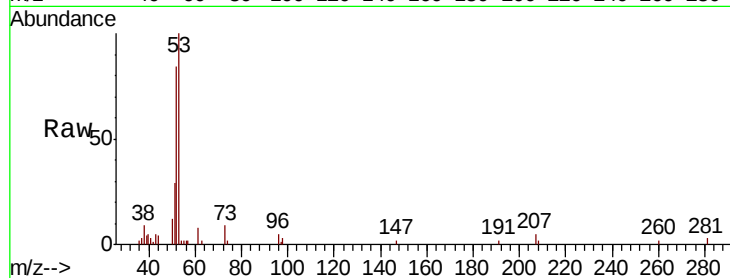
Tot Ion: 53 Resp: 15243

Ion Ratio Lower Upper

53 100

52 84.4 65.8 98.6

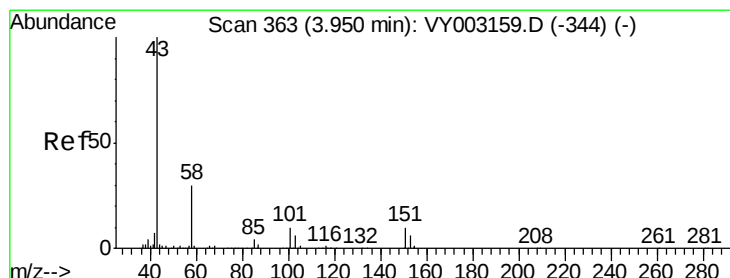
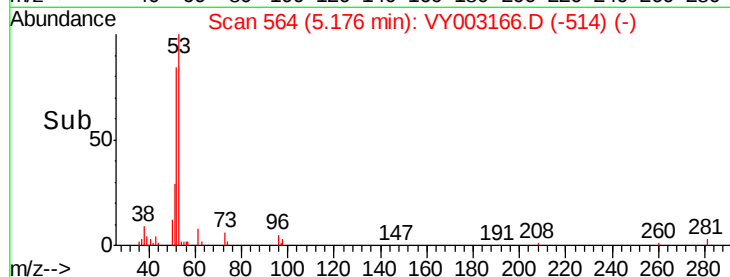
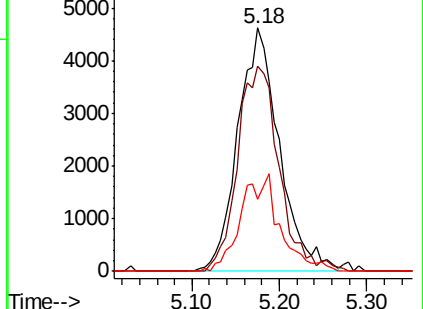
51 18.8 29.0 43.4#



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: 16.287 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003166.D

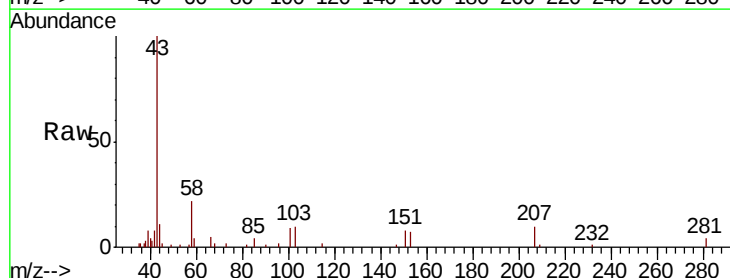
Acq: 10 Jul 2020 16:20

Tgt Ion: 43 Resp: 14661

Ion Ratio Lower Upper

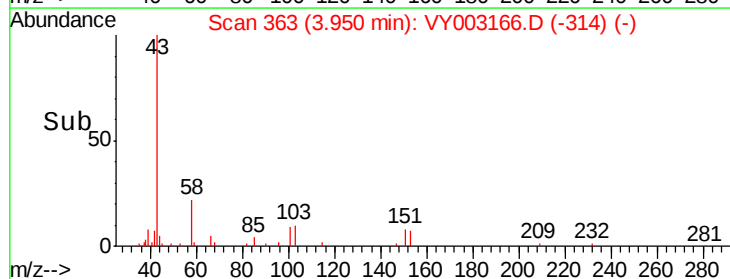
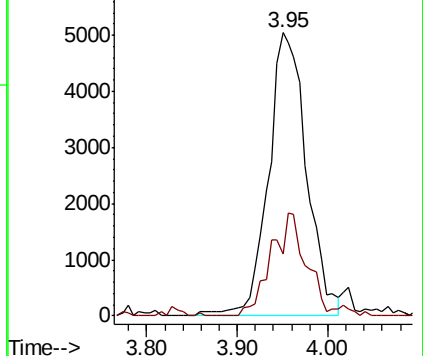
43 100

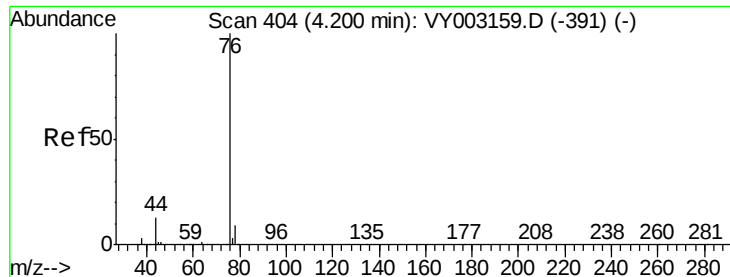
58 21.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

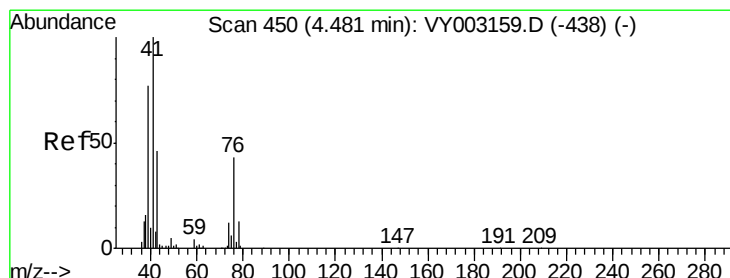
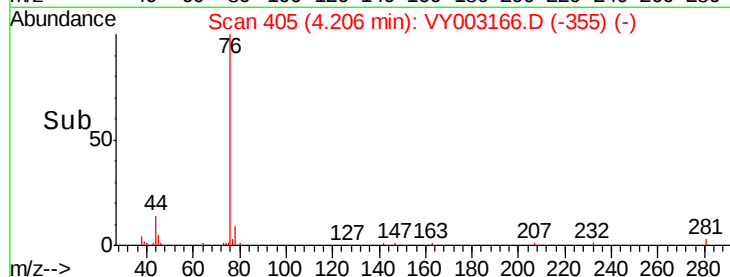
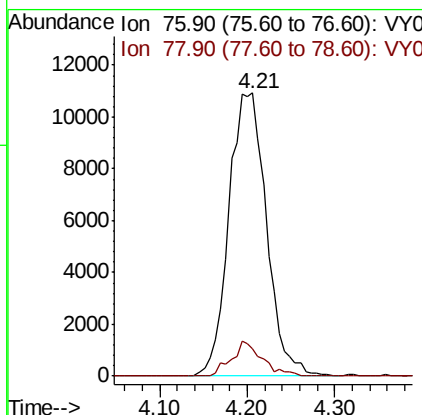
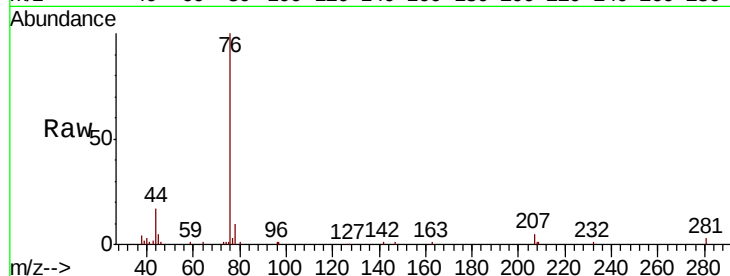




#17
Carbon Disulfide
Concen: 2.670 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

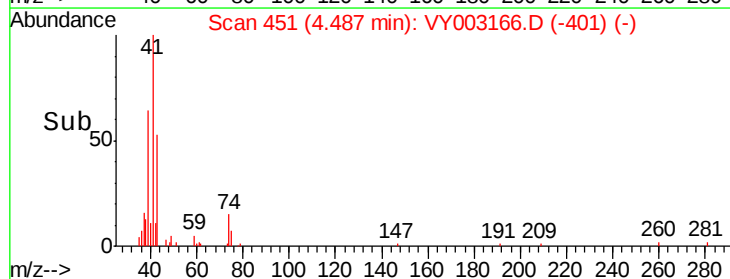
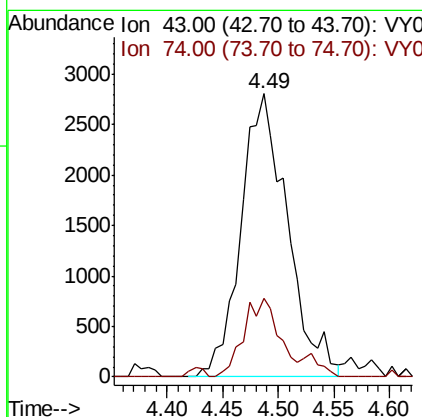
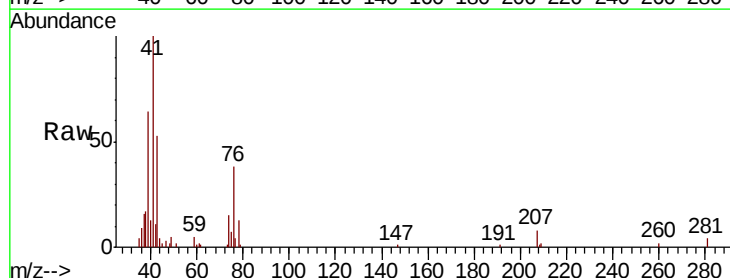
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

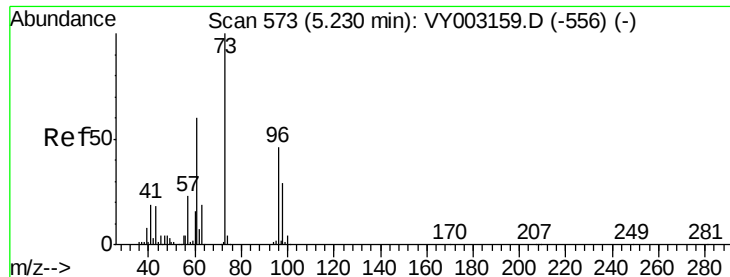
Tot Ion: 76 Resp: 32557
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 3.267 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 43 Resp: 8166
Ion Ratio Lower Upper
43 100
74 21.1 20.8 31.2

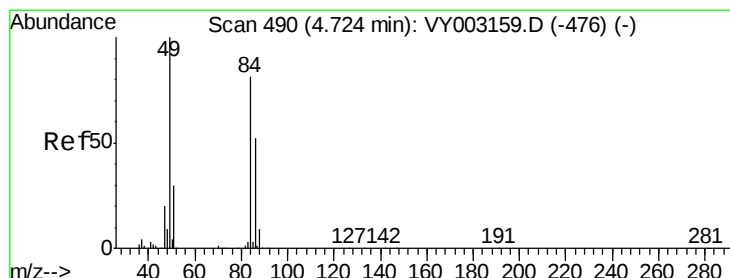
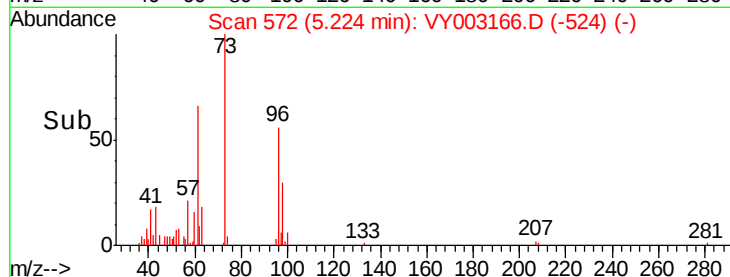
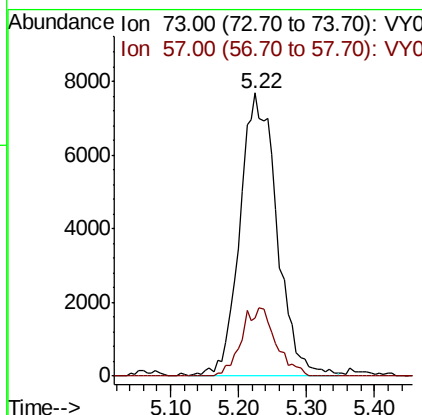
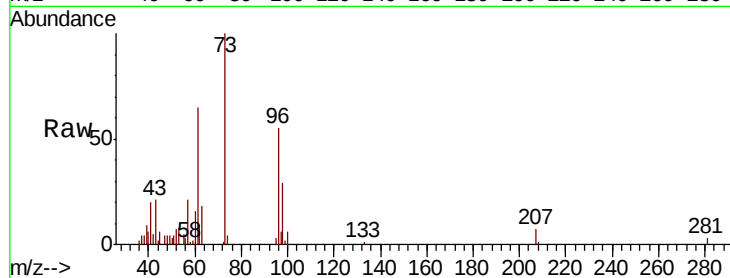




#19
Methvl tert-butvl Ether
Concen: 2.621 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

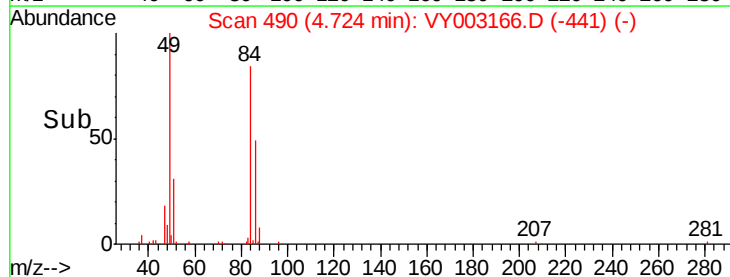
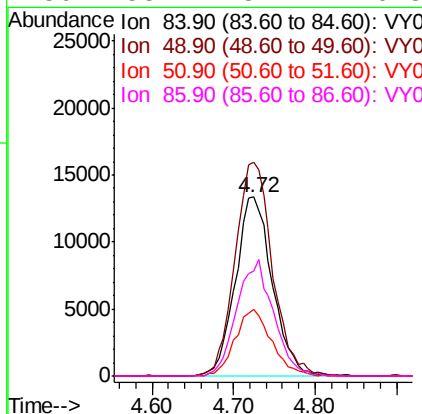
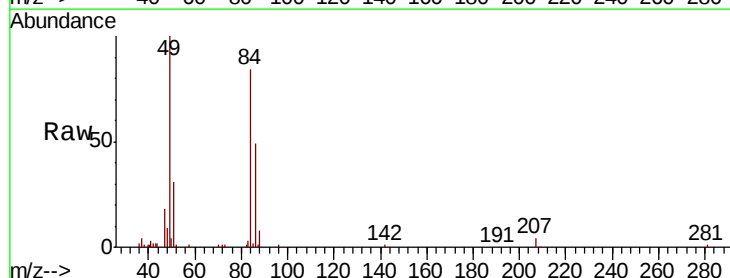
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

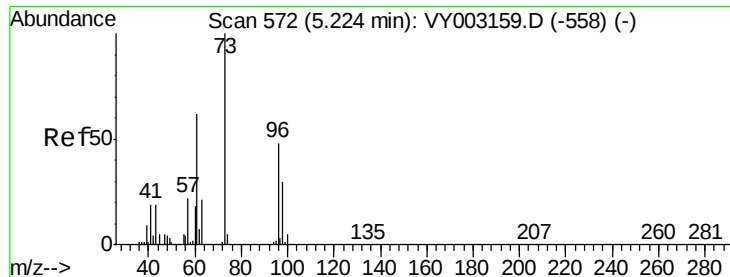
Tot Ion: 73 Resp: 29182
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1



#20
Methylene Chloride
Concen: 7.844 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 84 Resp: 41974
Ion Ratio Lower Upper
84 100
49 119.4 98.2 147.4
51 37.5 29.8 44.6
86 58.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 2.889 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

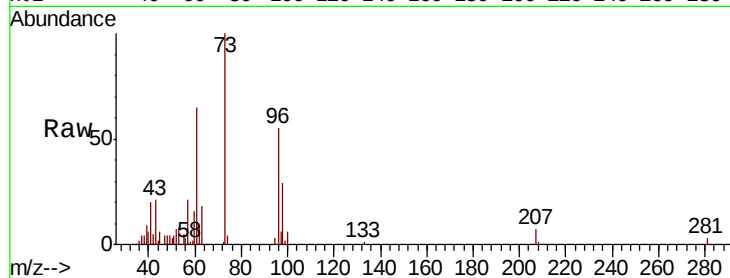
Tot Ion: 96 Resp: 12985

Ion Ratio Lower Upper

96 100

61 118.0 102.5 153.7

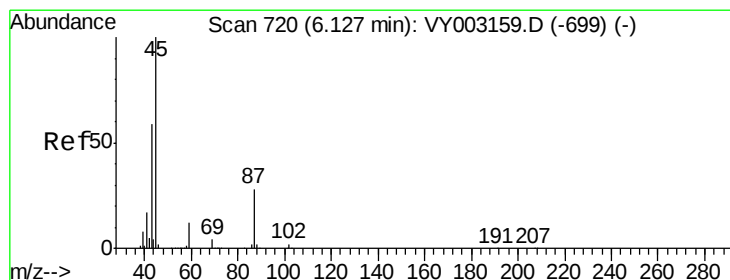
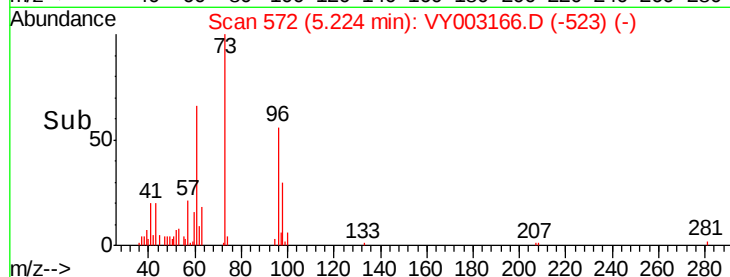
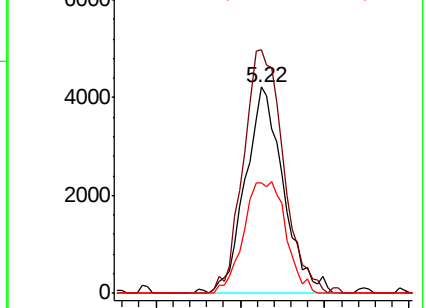
98 53.5 49.8 74.8



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: 2.656 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Tgt Ion: 45 Resp: 34756

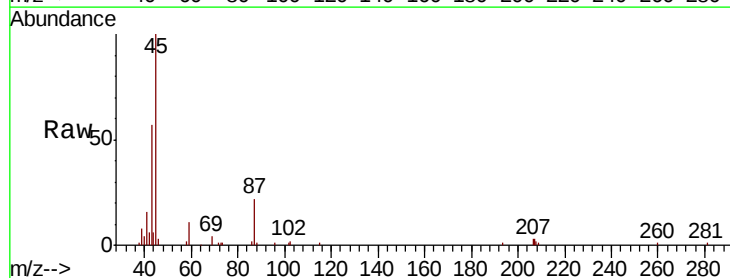
Ion Ratio Lower Upper

45 100

43 56.5 47.0 70.4

87 22.2 22.6 33.8#

59 10.7 9.8 14.6

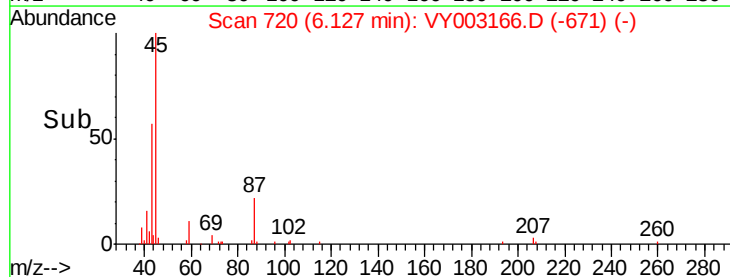
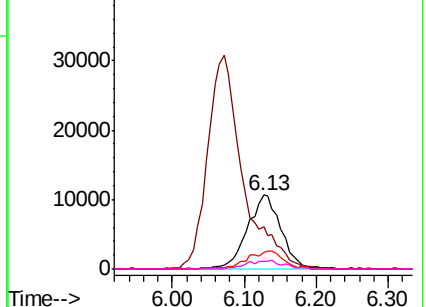


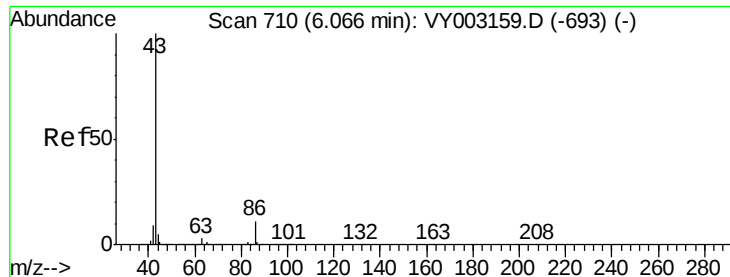
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 12.044 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

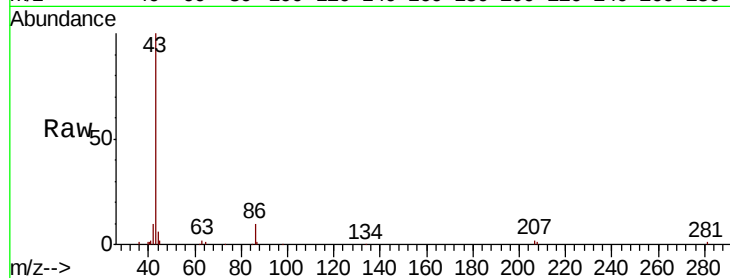
MDL-SOIL-03-QT3-2020

Tot Ion: 43 Resp: 105032

Ion Ratio Lower Upper

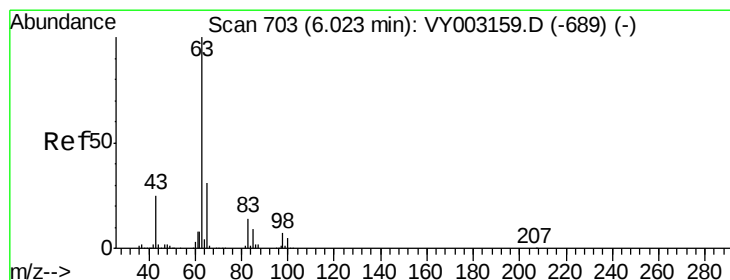
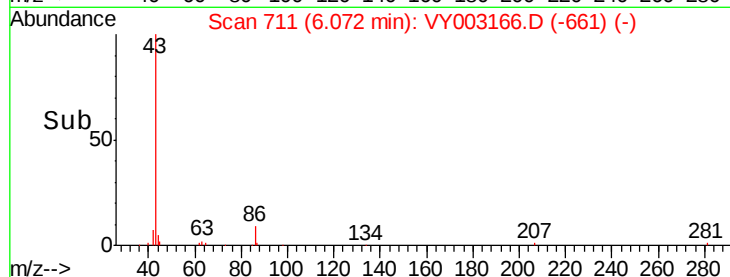
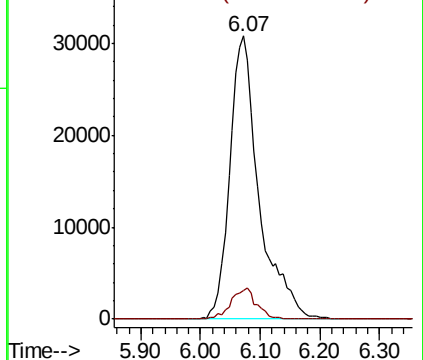
43 100

86 10.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.661 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

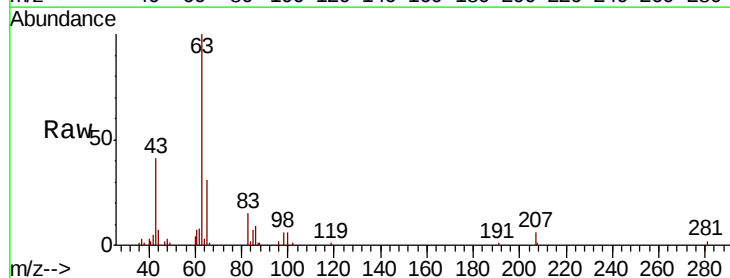
Tgt Ion: 63 Resp: 20175

Ion Ratio Lower Upper

63 100

98 6.2 3.6 10.8

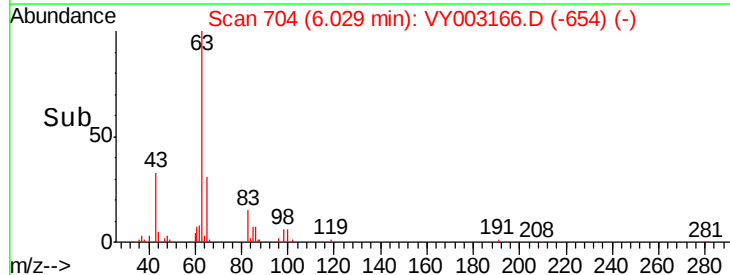
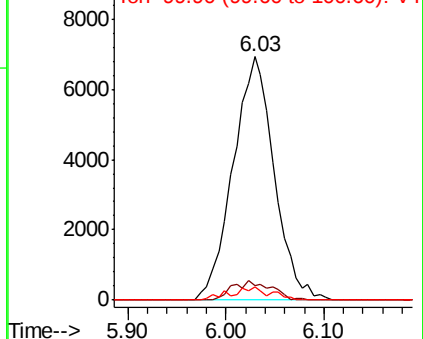
100 5.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 13.568 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

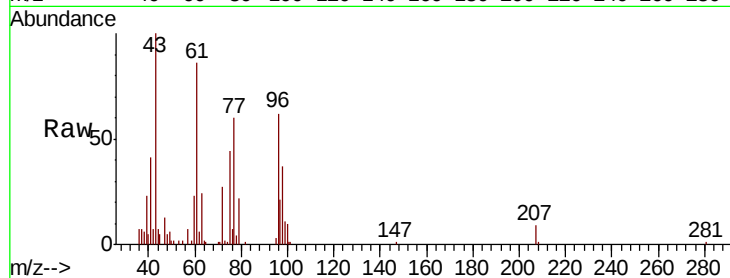
MDL-SOIL-03-QT3-2020

Tot Ion: 43 Resp: 20054

Ion Ratio Lower Upper

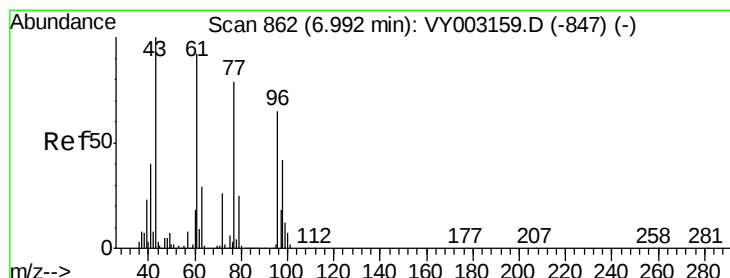
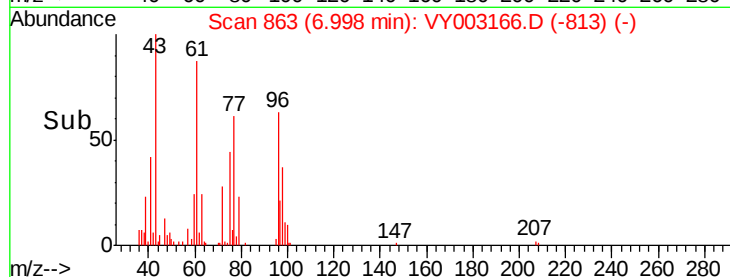
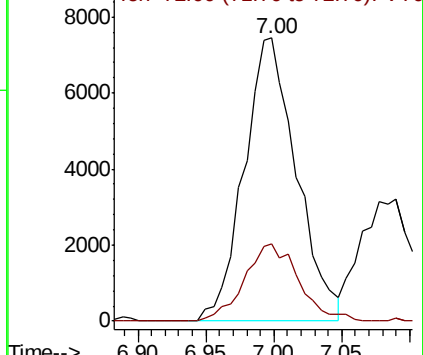
43 100

72 27.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.602 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003166.D

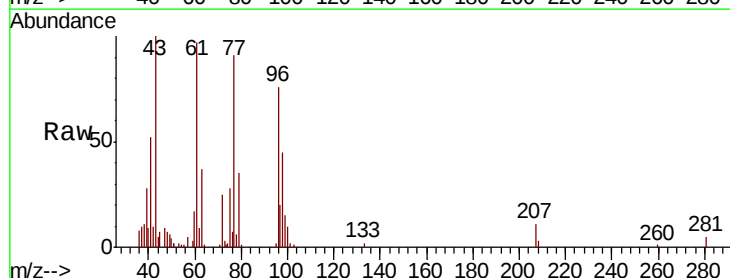
Acq: 10 Jul 2020 16:20

Tgt Ion: 77 Resp: 17762

Ion Ratio Lower Upper

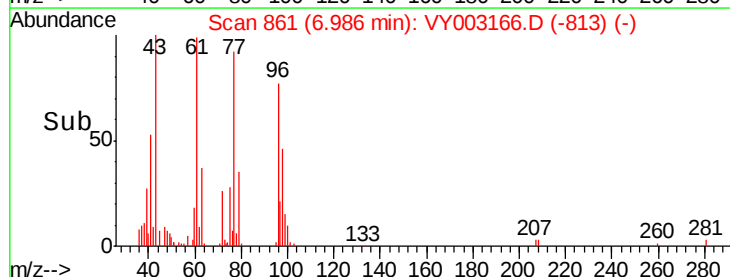
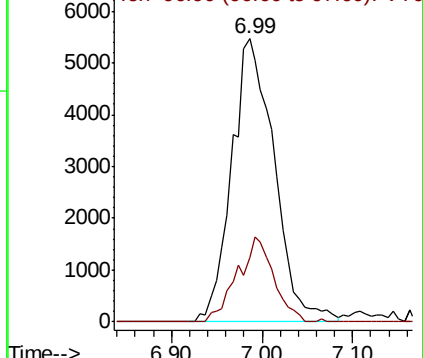
77 100

97 25.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



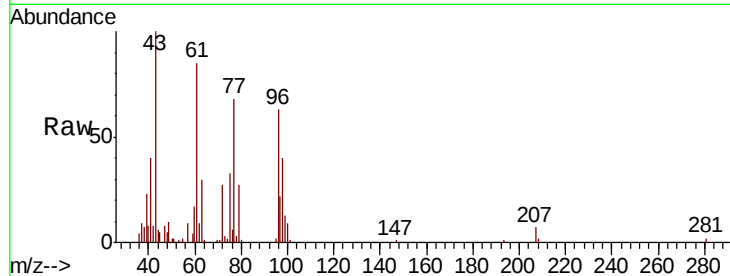


#27

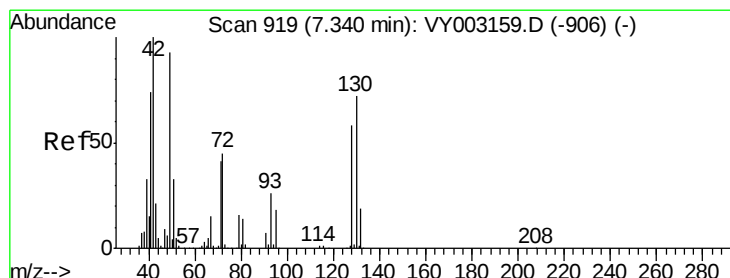
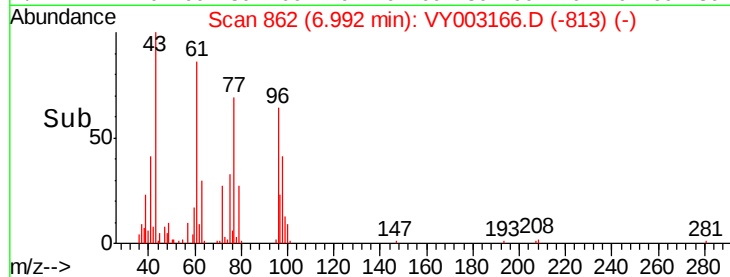
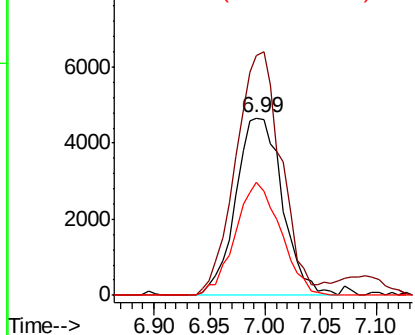
cis-1,2-Dichloroethene
Concen: 2.737 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion: 96 Resp: 13543
Ion Ratio Lower Upper
96 100
61 134.2 0.0 281.2
98 62.3 0.0 129.8



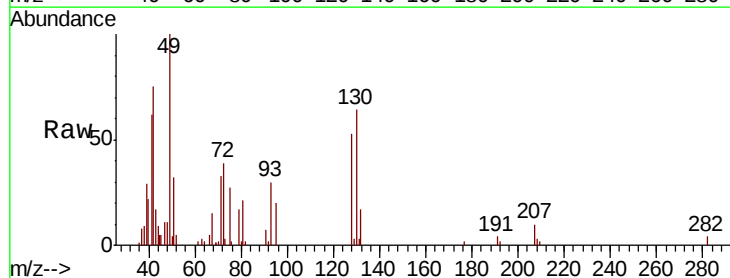
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



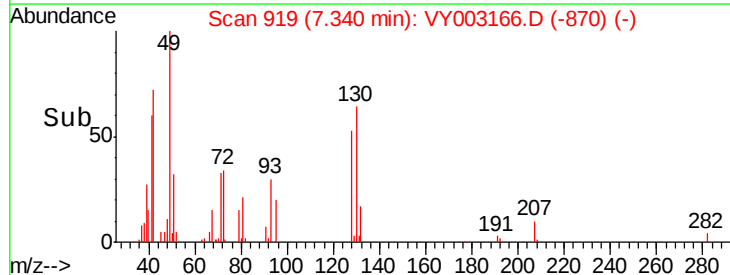
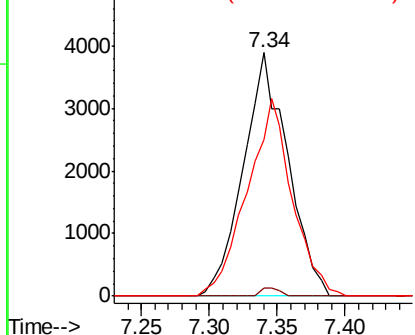
#28

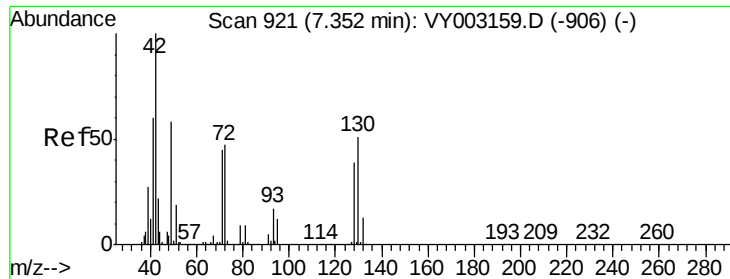
Bromochloromethane
Concen: 2.712 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 49 Resp: 8899
Ion Ratio Lower Upper
49 100
129 1.4 0.0 5.0
130 82.2 64.9 97.3



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





#29

Tetrahydrofuran

Concen: 13.288 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

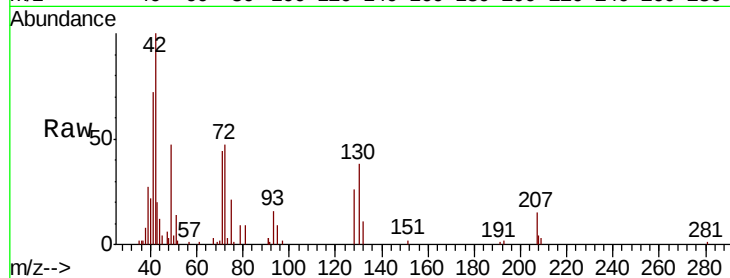
Tot Ion: 42 Resp: 13194

Ion Ratio Lower Upper

42 100

72 47.5 36.7 55.1

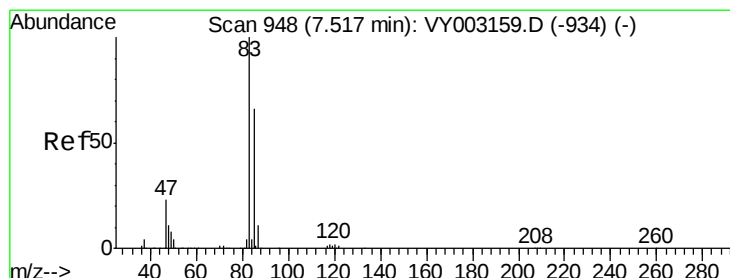
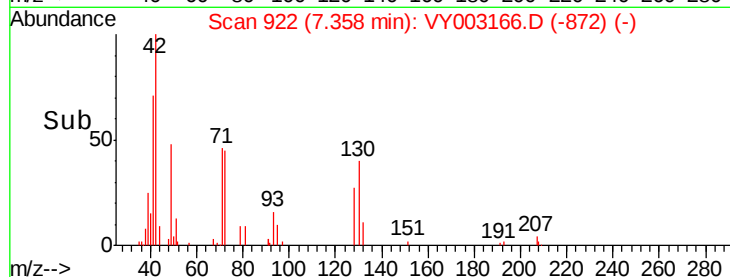
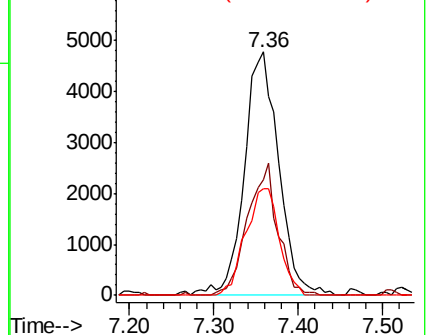
71 43.0 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 2.673 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003166.D

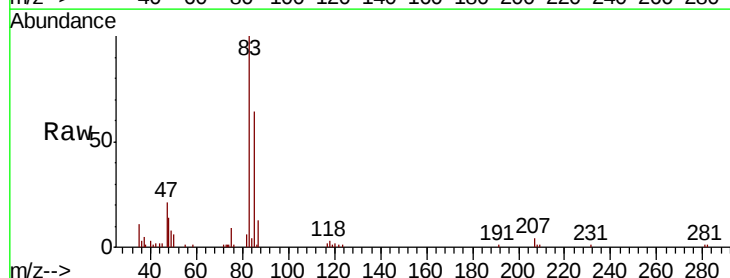
Acq: 10 Jul 2020 16:20

Tgt Ion: 83 Resp: 20869

Ion Ratio Lower Upper

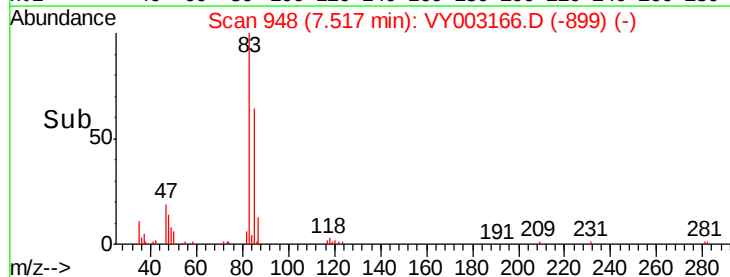
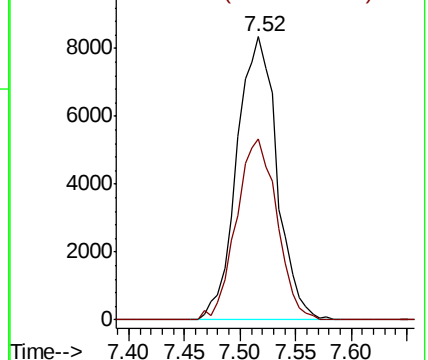
83 100

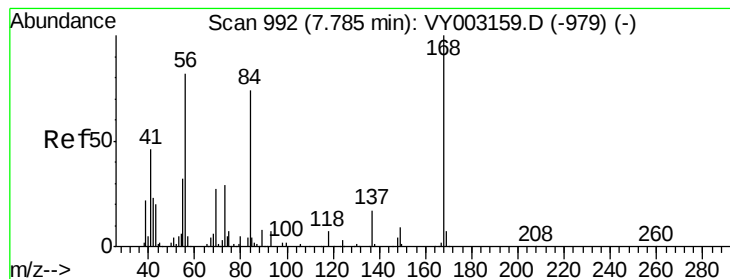
85 63.9 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 3.779 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

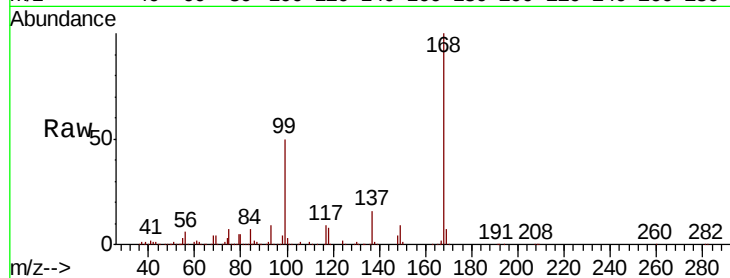
Tot Ion: 56 Resp: 27700

Ion Ratio Lower Upper

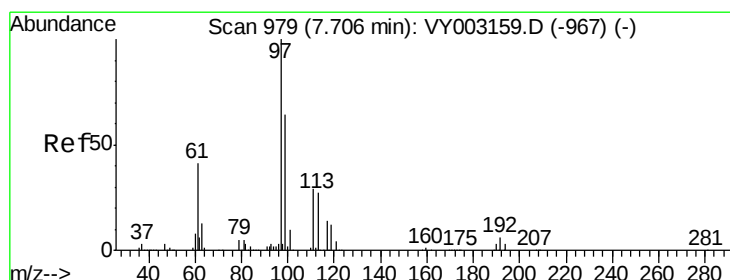
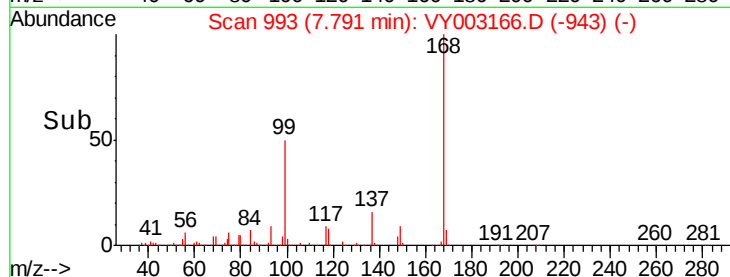
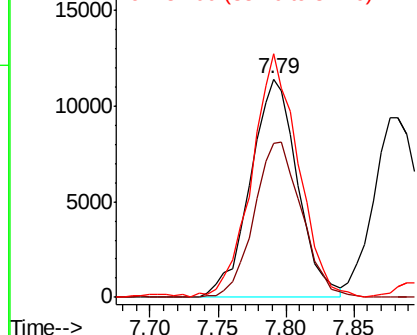
56 100

69 70.4 26.7 40.1#

84 111.6 72.3 108.5#



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



#32

1,1,1-Trichloroethane

Concen: 2.684 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

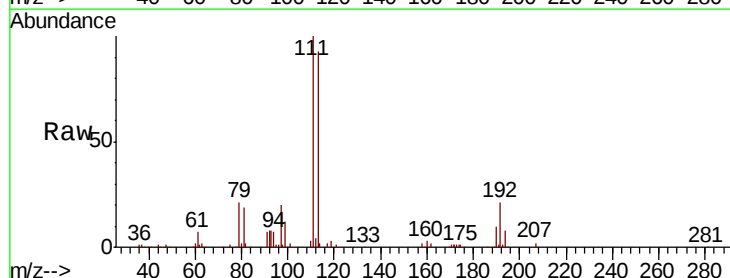
Tgt Ion: 97 Resp: 18868

Ion Ratio Lower Upper

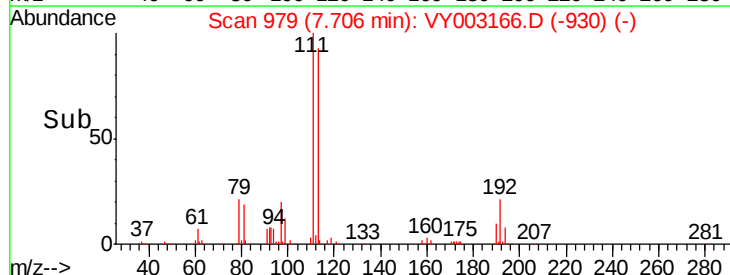
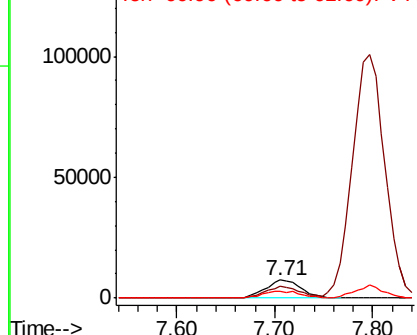
97 100

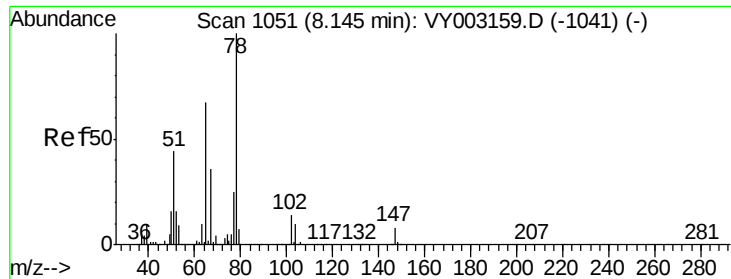
99 65.4 52.1 78.1

61 39.9 33.9 50.9



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

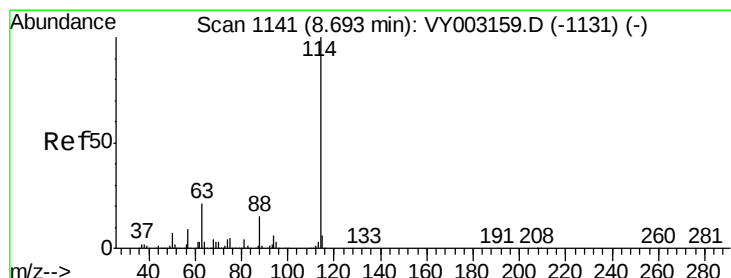
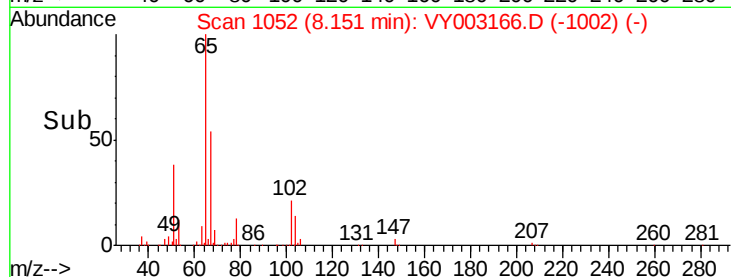
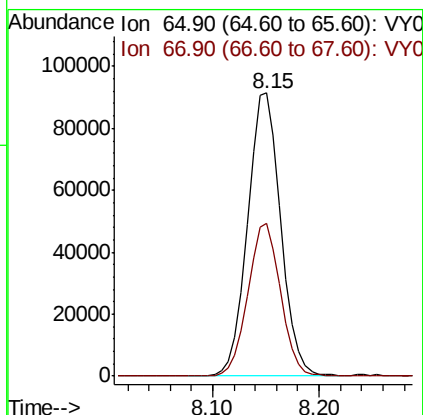
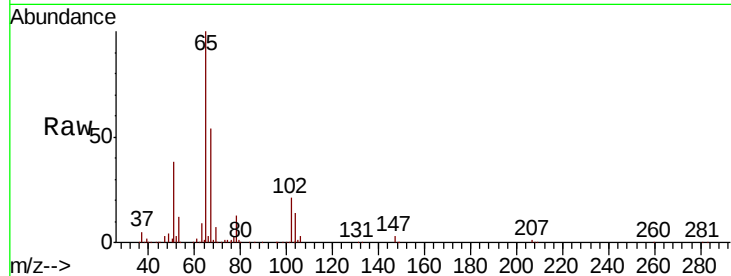




#33
 1,2-Dichloroethane-d4
 Concen: 49.543 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

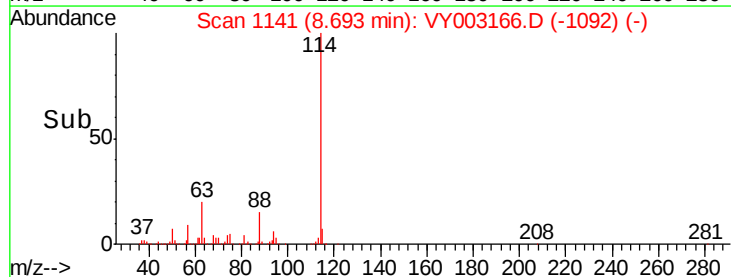
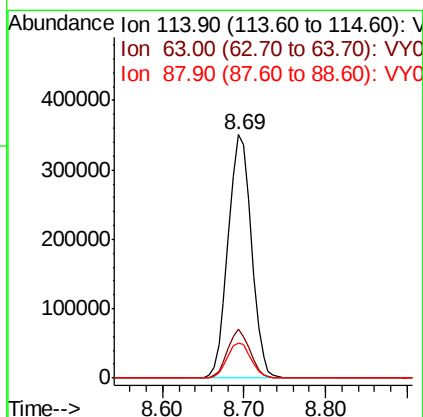
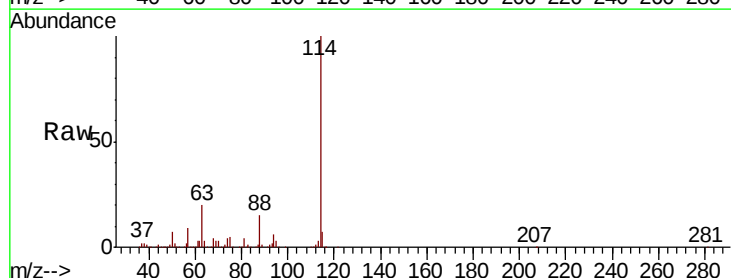
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

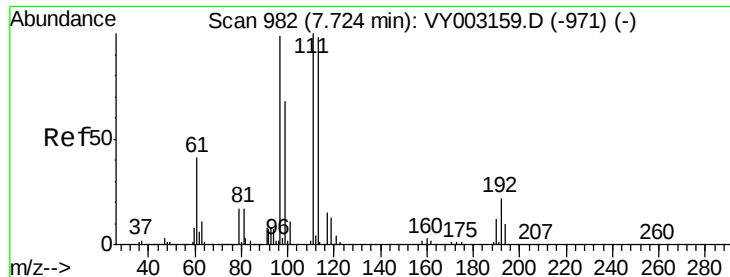
Tot Ion: 65 Resp: 199658
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Tgt Ion: 114 Resp: 689483
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 14.6 0.0 30.2

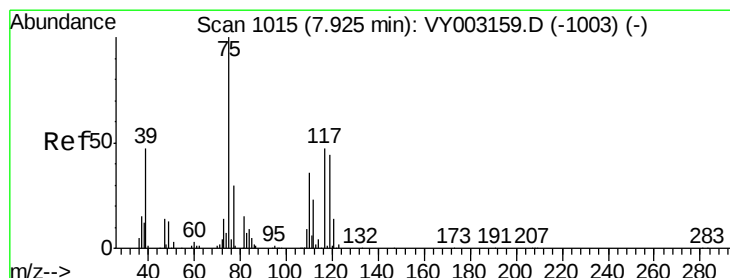
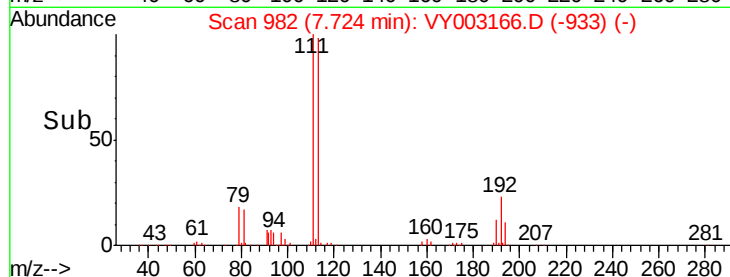
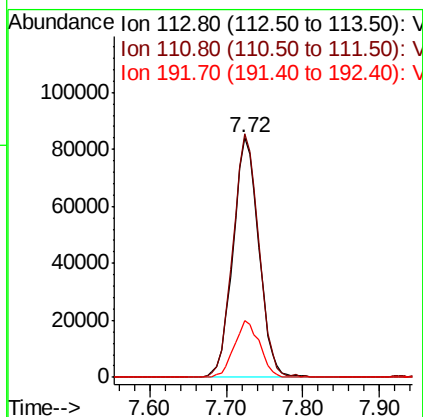
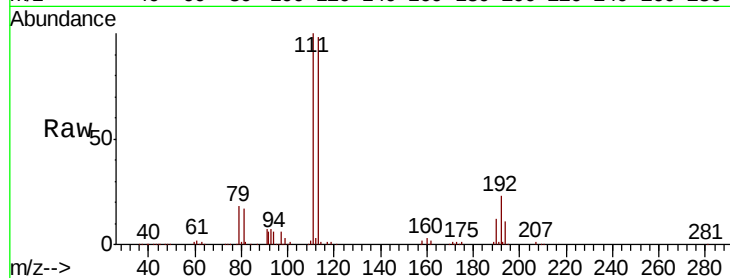




#35
Dibromofluoromethane
Concen: 49.373 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

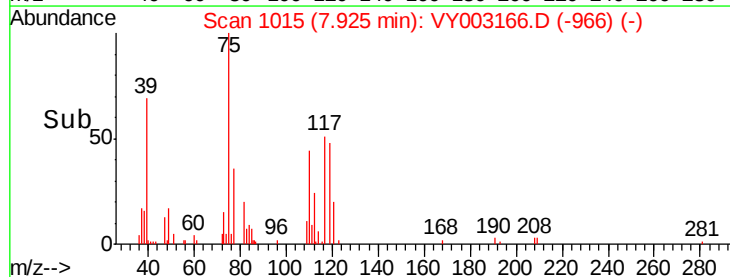
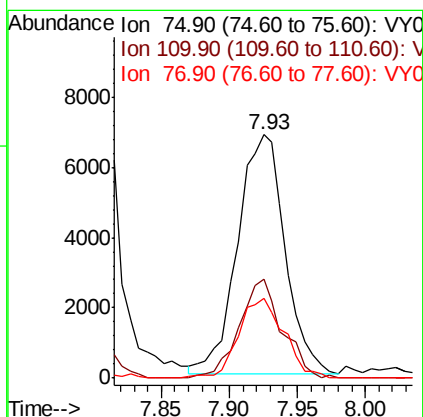
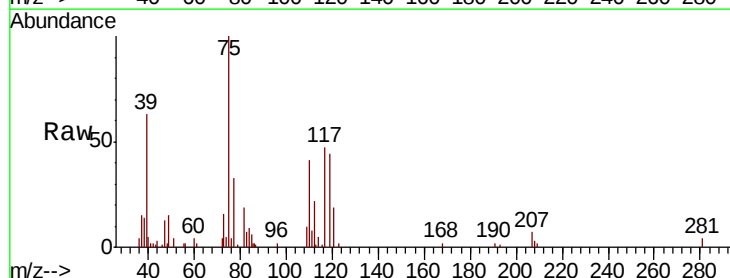
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

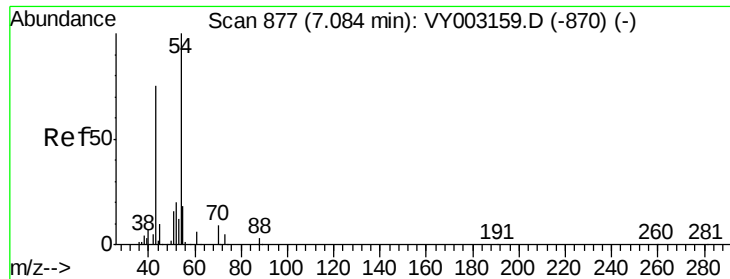
Tot Ion:113 Resp: 195904
Ion Ratio Lower Upper
113 100
111 101.8 82.1 123.1
192 23.3 18.8 28.2



#36
1,1-Dichloropropene
Concen: 2.673 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 75 Resp: 16701
Ion Ratio Lower Upper
75 100
110 37.1 18.1 54.1
77 31.7 24.8 37.2

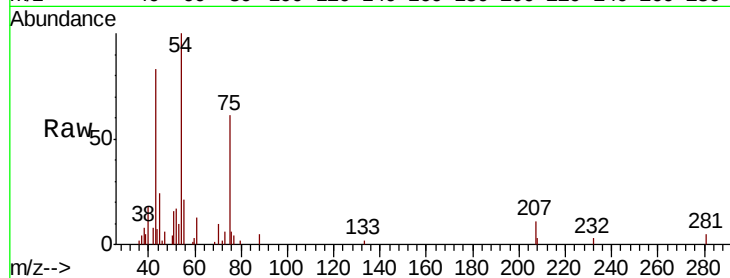




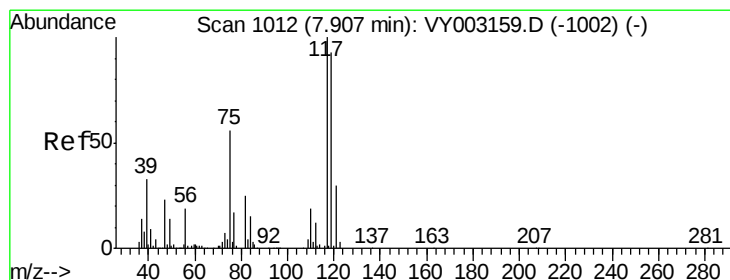
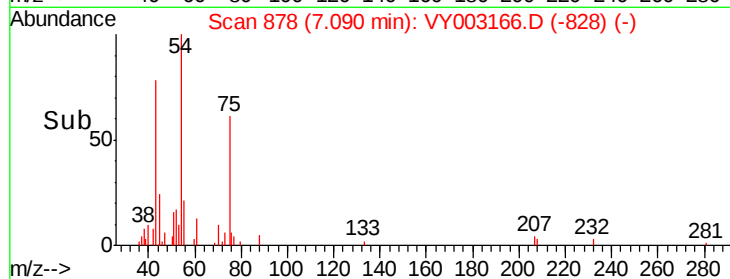
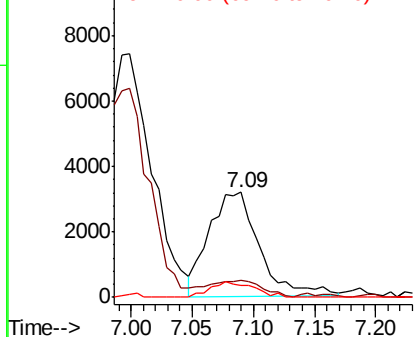
#37
Ethyl Acetate
Concen: 2.717 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion: 43 Resp: 9145
Ion Ratio Lower Upper
43 100
61 17.9 11.8 17.6#
70 12.6 8.6 13.0

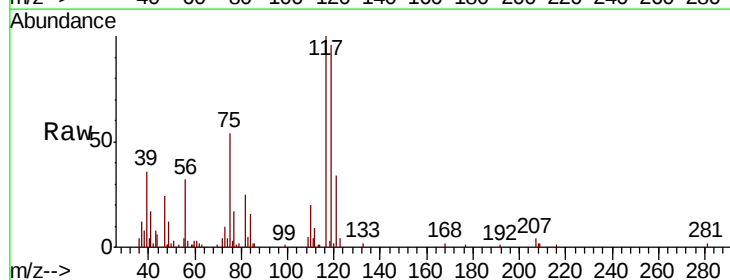


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

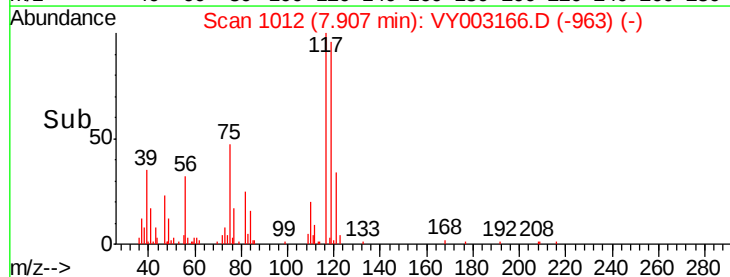
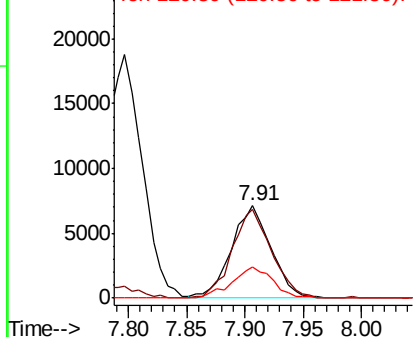


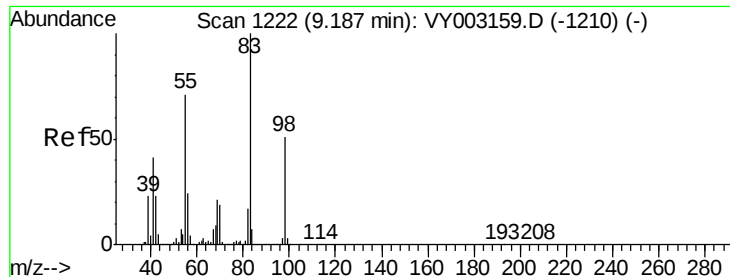
#38
Carbon Tetrachloride
Concen: 2.622 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 117 Resp: 16914
Ion Ratio Lower Upper
117 100
119 95.7 74.5 111.7
121 34.4 24.2 36.2



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

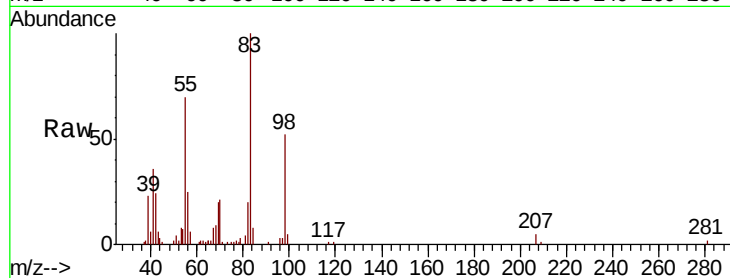




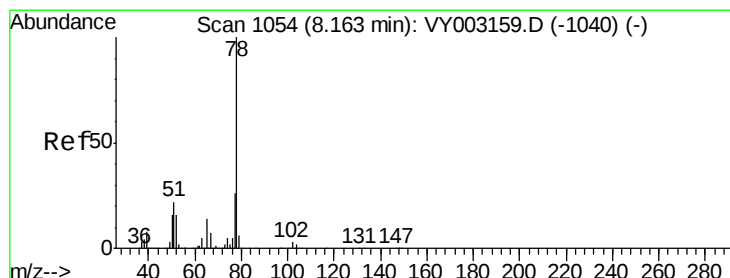
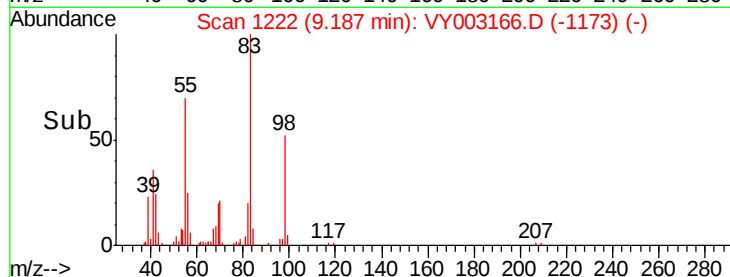
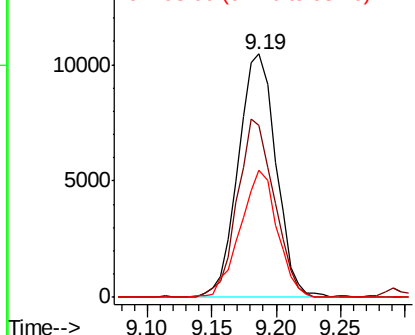
#39
Methvlcvclohexane
Concen: 2.721 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion: 83 Resp: 21357
Ion Ratio Lower Upper
83 100
55 70.4 57.2 85.8
98 52.4 41.0 61.6

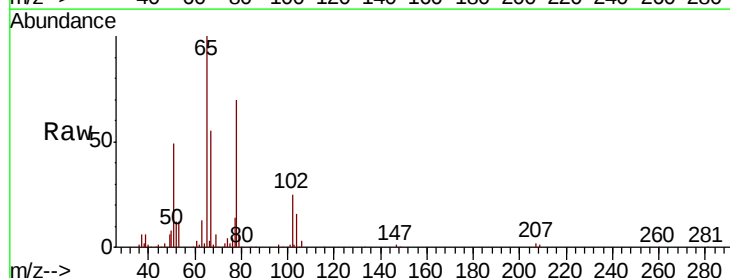


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

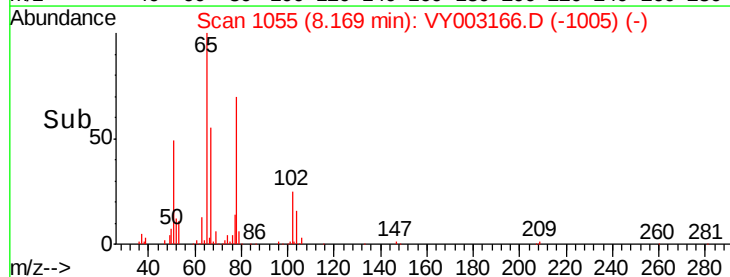
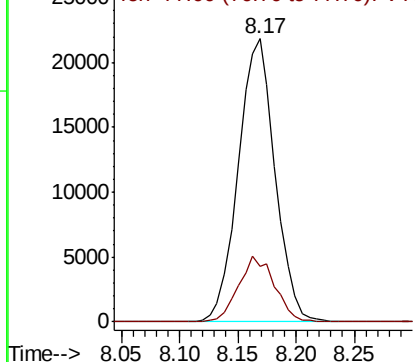


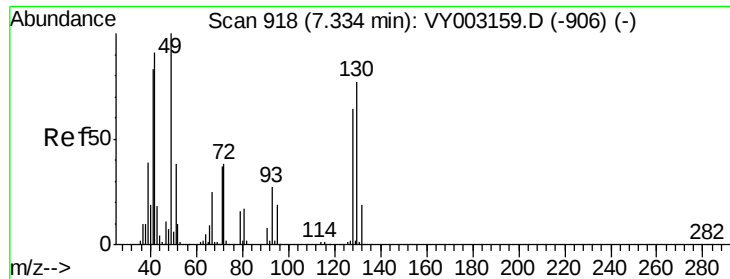
#40
Benzene
Concen: 2.778 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 78 Resp: 47807
Ion Ratio Lower Upper
78 100
77 19.8 20.7 31.1#



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

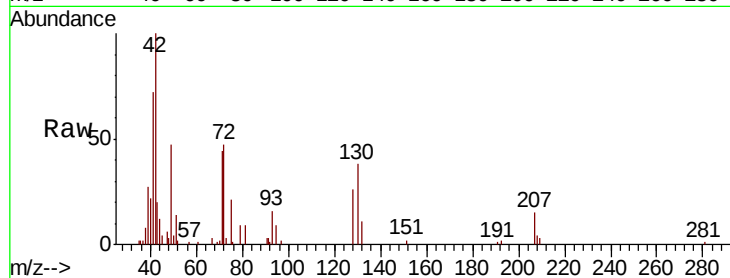




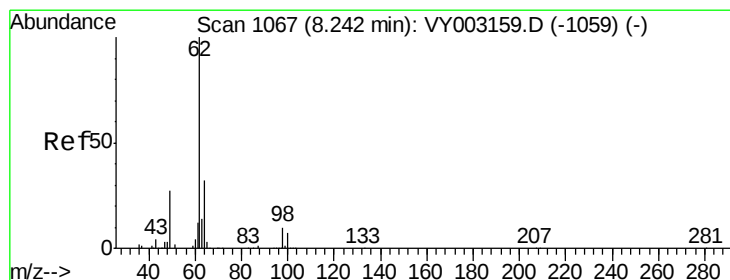
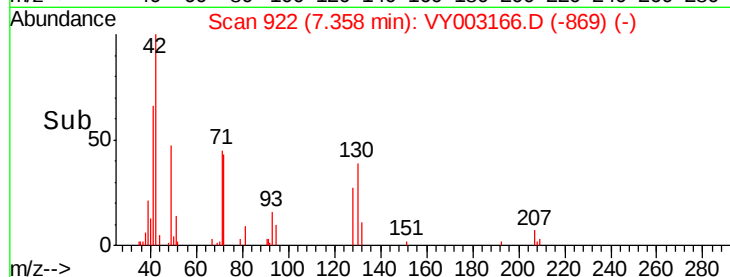
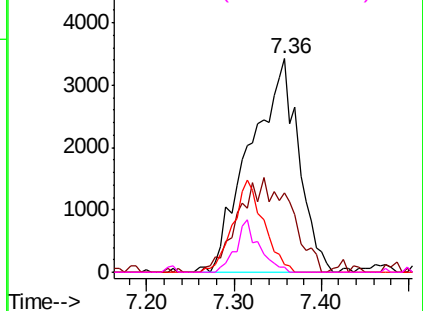
#41
Methacrylonitrile
Concen: 6.498 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion: 41 Resp: 13170
Ion Ratio Lower Upper
41 100
39 0.0 83.3 124.9#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

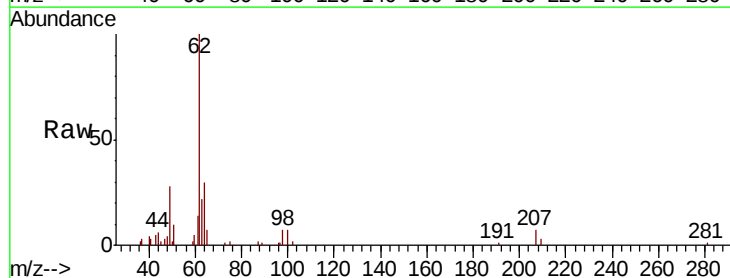


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

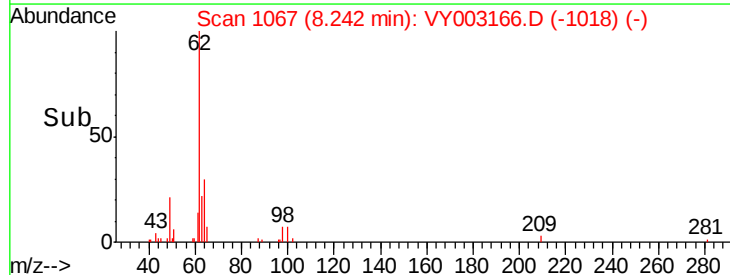
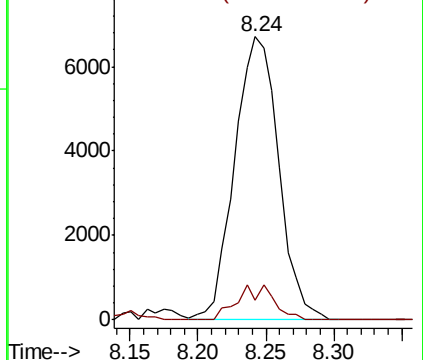


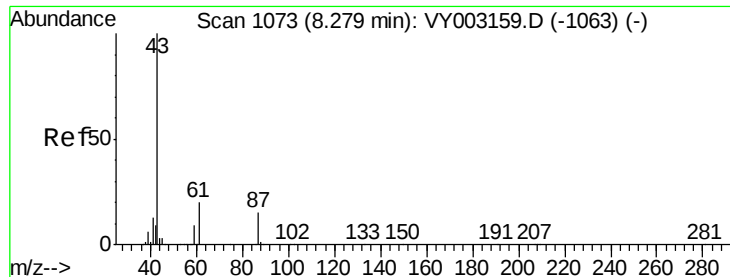
#42
1,2-Dichloroethane
Concen: 2.866 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 62 Resp: 15182
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 2.525 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

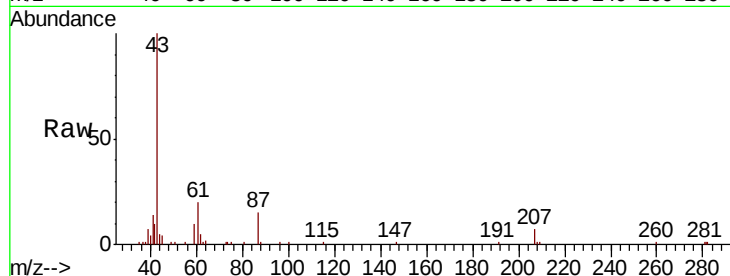
Tot Ion: 43 Resp: 16446

Ion Ratio Lower Upper

43 100

61 31.8 23.7 35.5

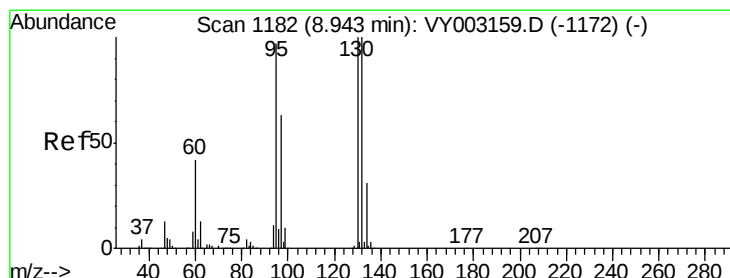
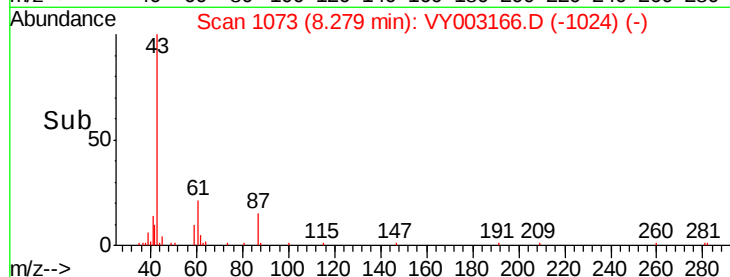
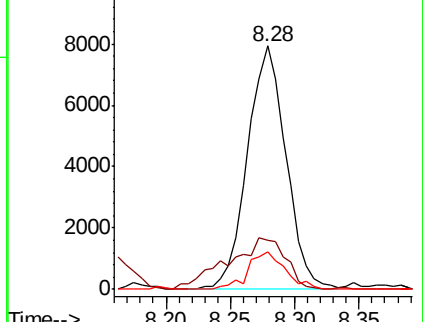
87 14.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-1063) (-)

Ion 61.00 (60.70 to 61.70): VY003159.D (-1063) (-)

Ion 87.00 (86.70 to 87.70): VY003159.D (-1063) (-)



#44

Trichloroethene

Concen: 2.817 ug/l

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003166.D

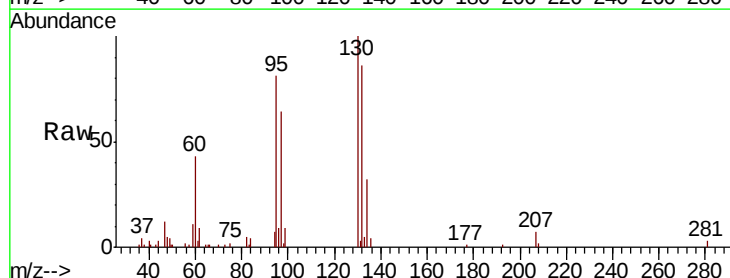
Acq: 10 Jul 2020 16:20

Tgt Ion:130 Resp: 14861

Ion Ratio Lower Upper

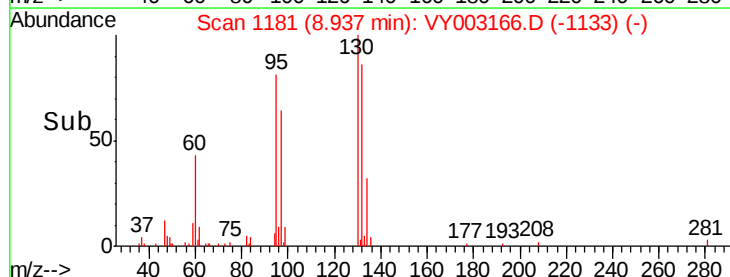
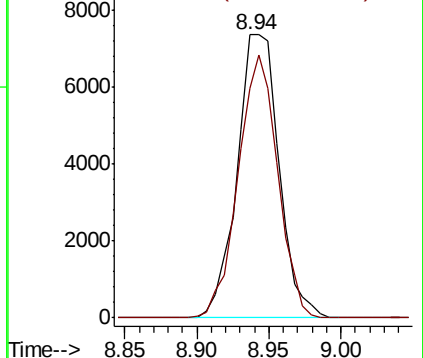
130 100

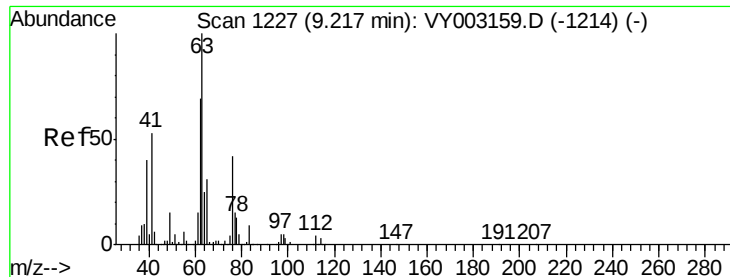
95 81.0 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VY003159.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY003159.D (-1172) (-)





#45

1,2-Dichloropropane

Concen: 2.744 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

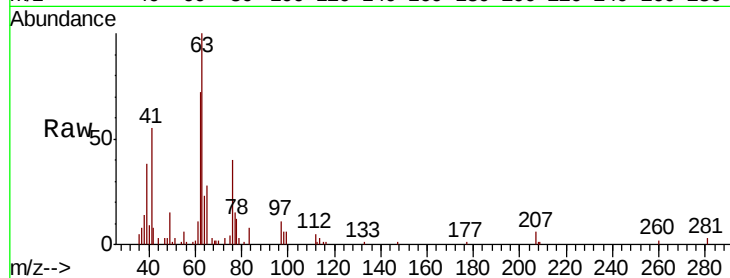
MDL-SOIL-03-QT3-2020

Tot Ion: 63 Resp: 12219

Ion Ratio Lower Upper

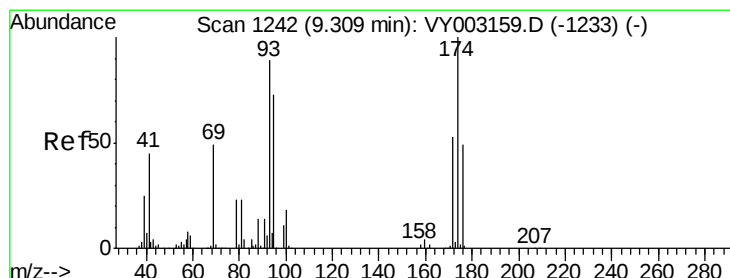
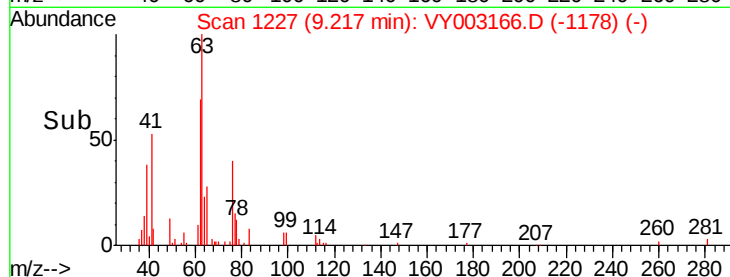
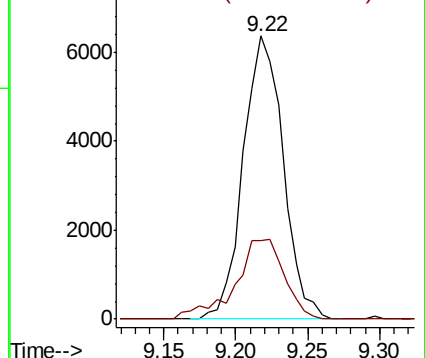
63 100

65 27.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 2.701 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

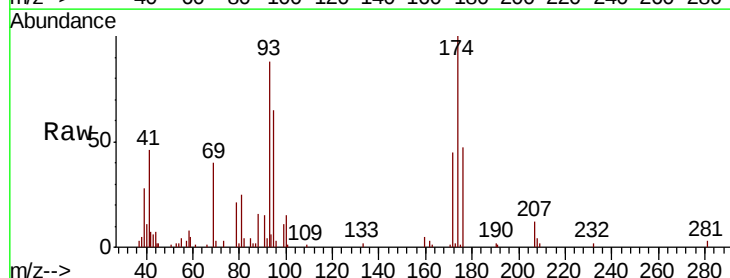
Tgt Ion: 93 Resp: 7023

Ion Ratio Lower Upper

93 100

95 82.1 66.6 99.8

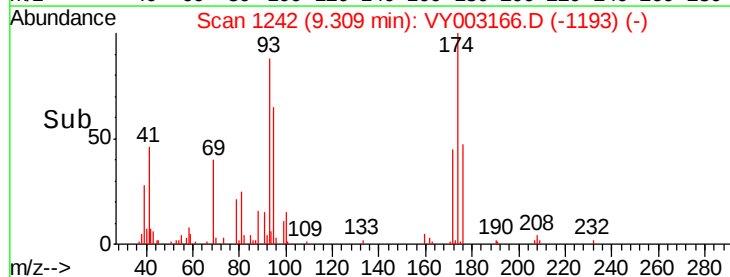
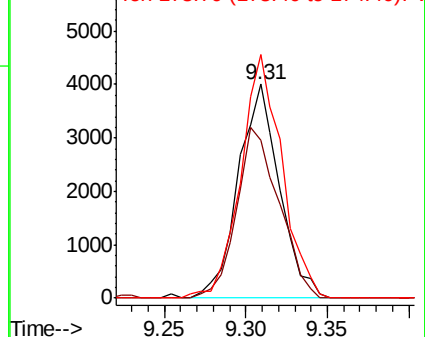
174 113.3 90.2 135.4

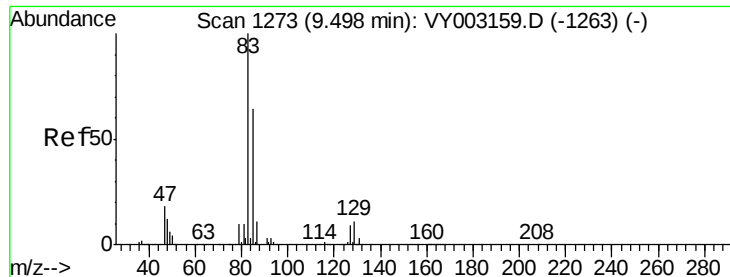


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.570 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

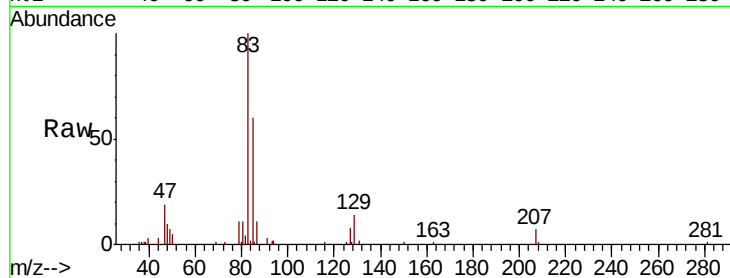
Tot Ion: 83 Resp: 15892

Ion Ratio Lower Upper

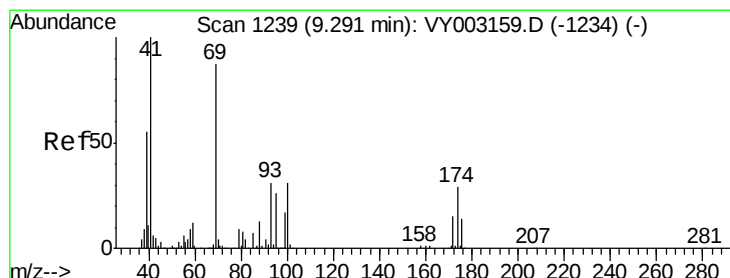
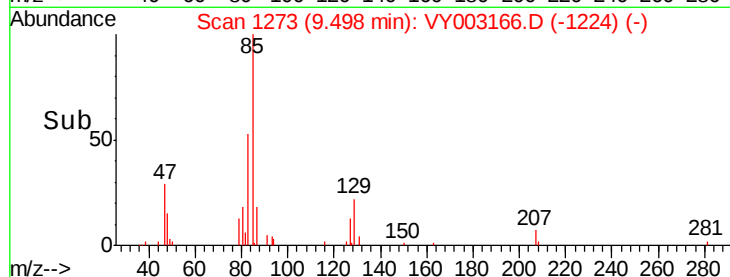
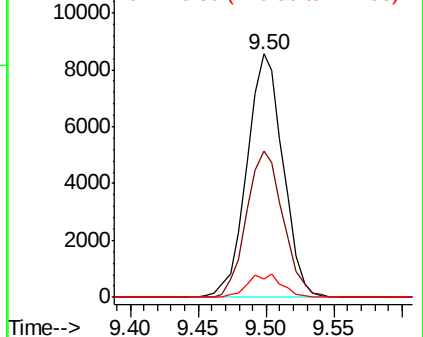
83 100

85 60.4 50.9 76.3

127 7.6 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.630 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

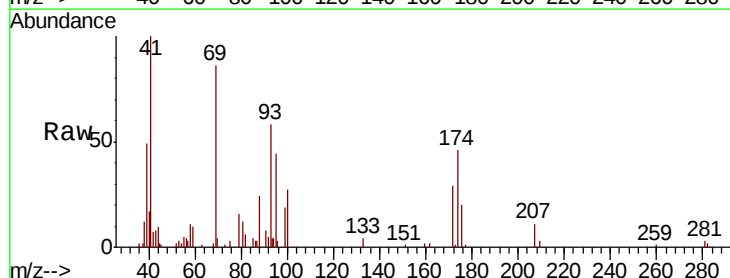
Tgt Ion: 41 Resp: 7659

Ion Ratio Lower Upper

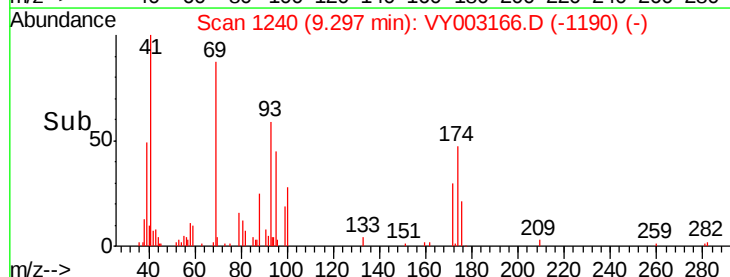
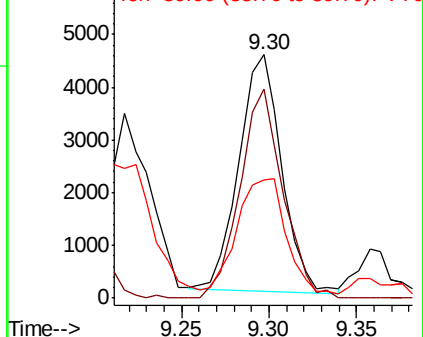
41 100

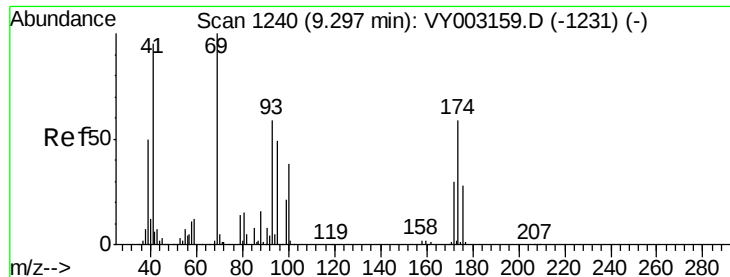
69 88.3 74.5 111.7

39 60.9 47.5 71.3



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

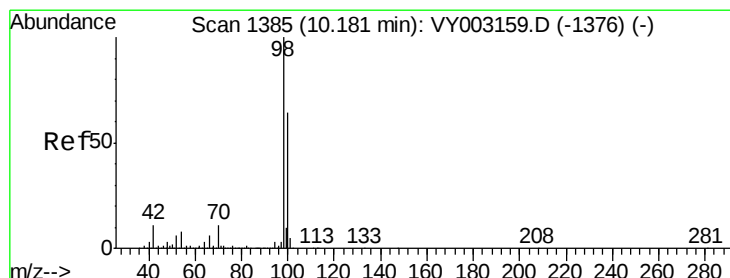
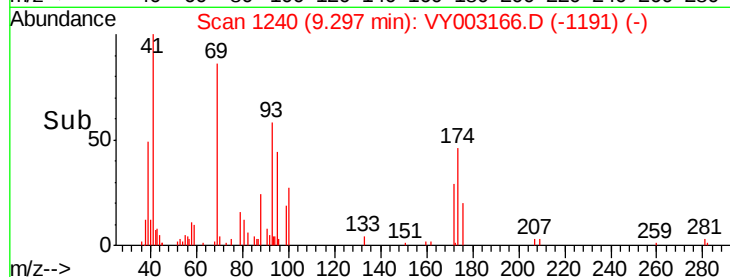
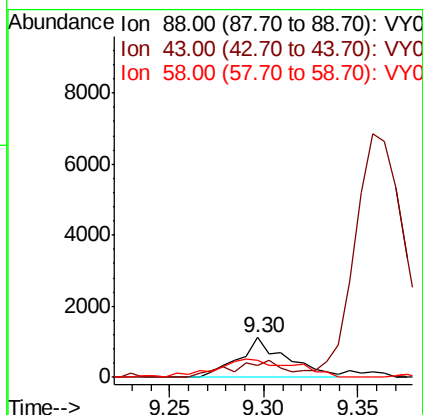
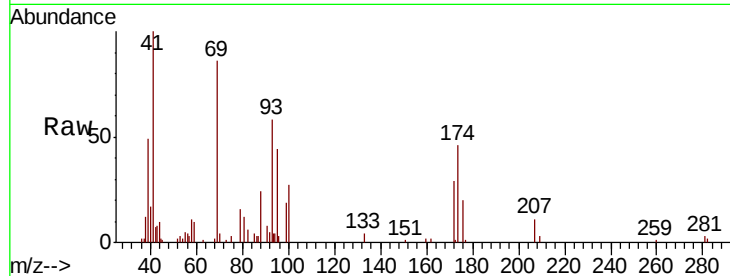




#49
1,4-Dioxane
Concen: 59.782 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

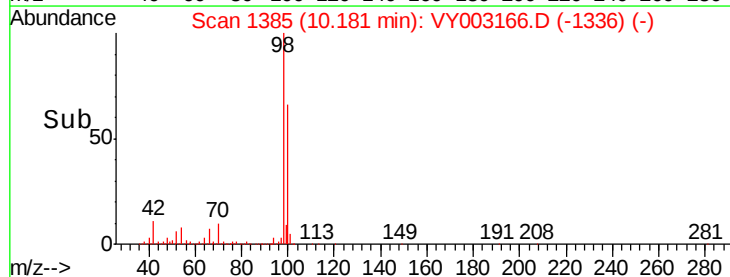
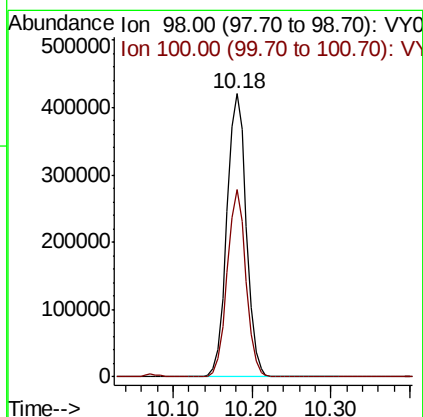
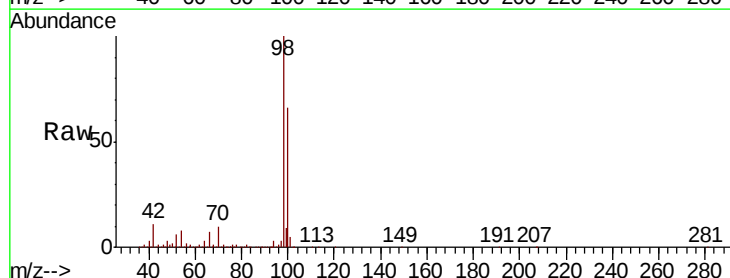
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

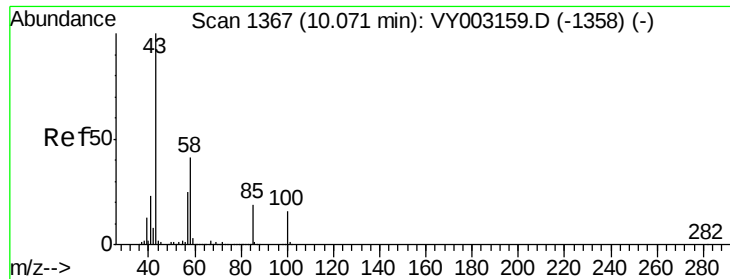
Tot Ion: 88 Resp: 1973
Ion Ratio Lower Upper
88 100
43 44.6 25.6 38.4#
58 77.5 47.8 71.6#



#50
Toluene-d8
Concen: 48.719 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 98 Resp: 718693
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 12.612 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

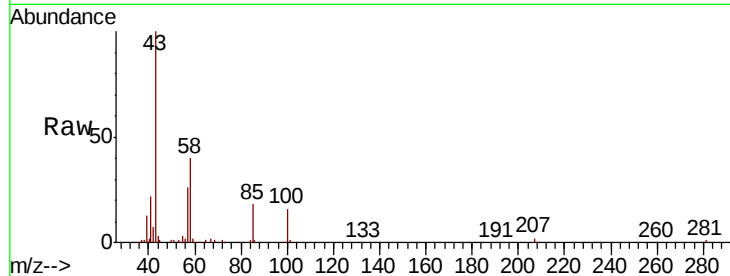
MDL-SOIL-03-QT3-2020

Tot Ion: 43 Resp: 42702

Ion Ratio Lower Upper

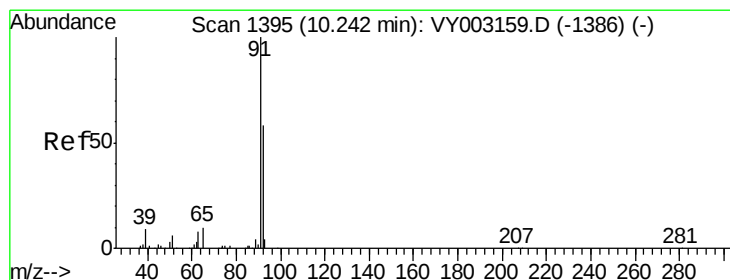
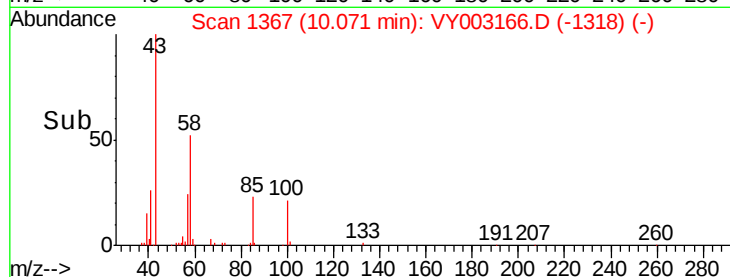
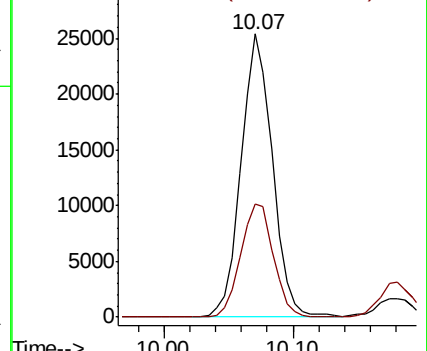
43 100

58 41.5 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 2.699 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003166.D

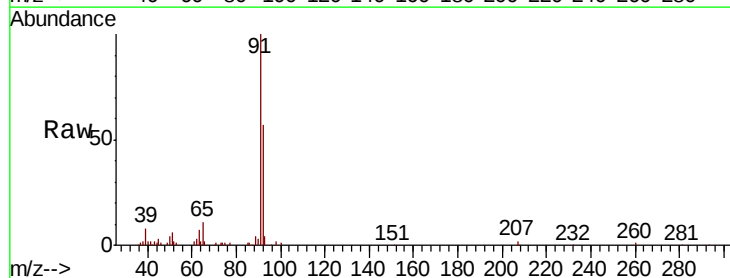
Acq: 10 Jul 2020 16:20

Tgt Ion: 92 Resp: 29679

Ion Ratio Lower Upper

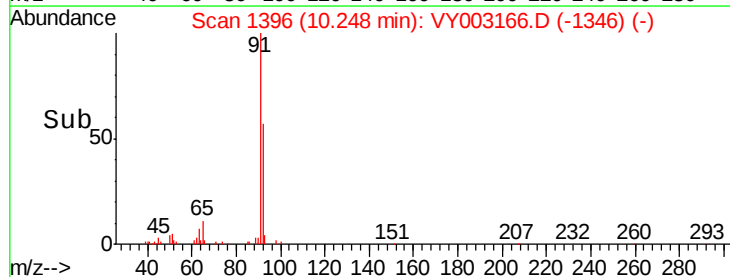
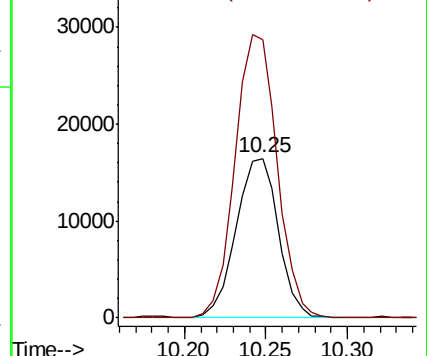
92 100

91 176.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.630 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

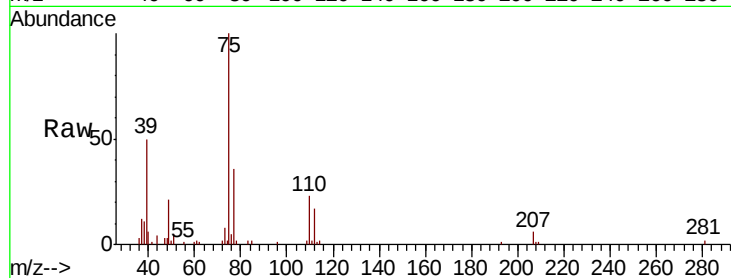
MDL-SOIL-03-QT3-2020

Tot Ion: 75 Resp: 16855

Ion Ratio Lower Upper

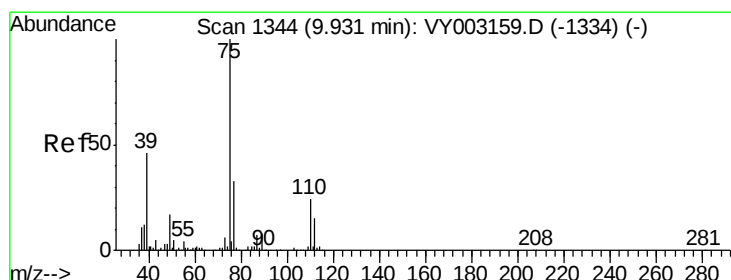
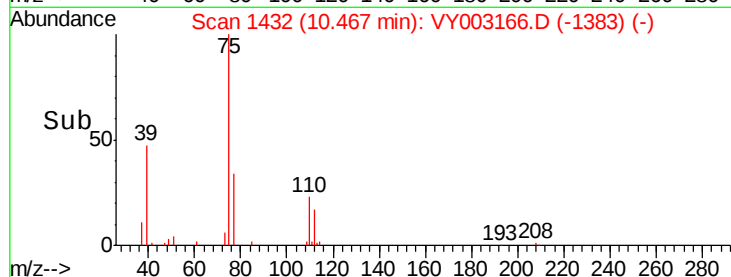
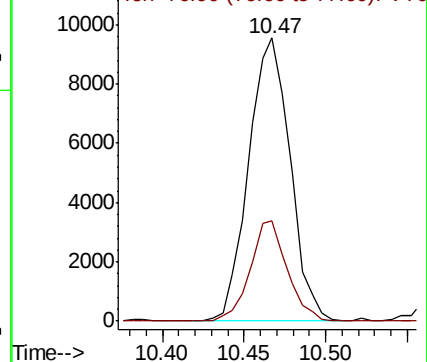
75 100

77 35.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 2.475 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

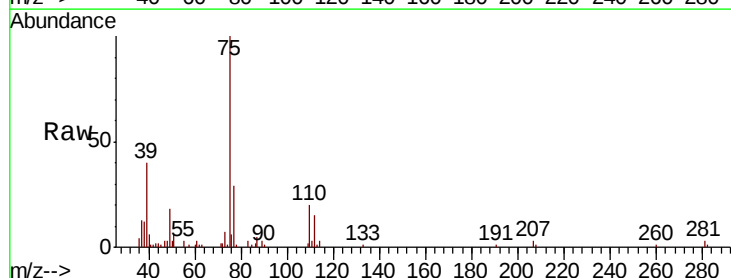
Tgt Ion: 75 Resp: 18275

Ion Ratio Lower Upper

75 100

77 29.2 26.7 40.1

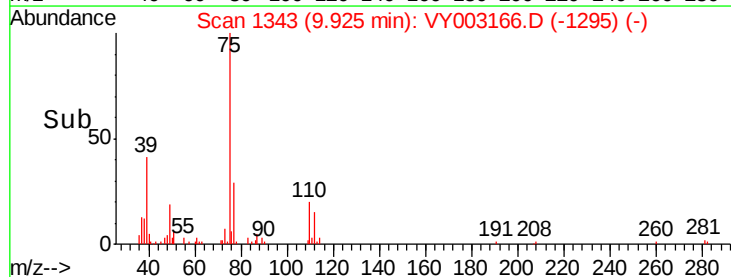
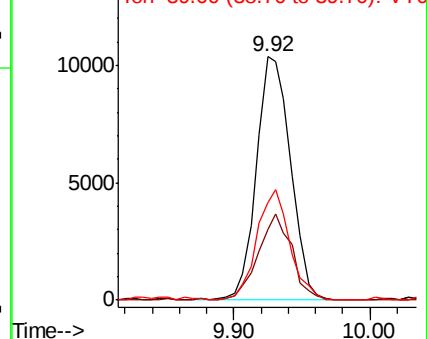
39 40.2 37.0 55.6

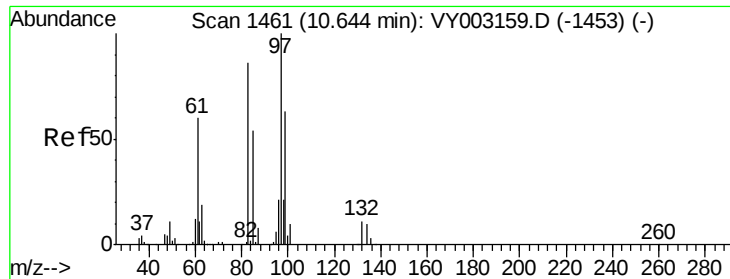


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

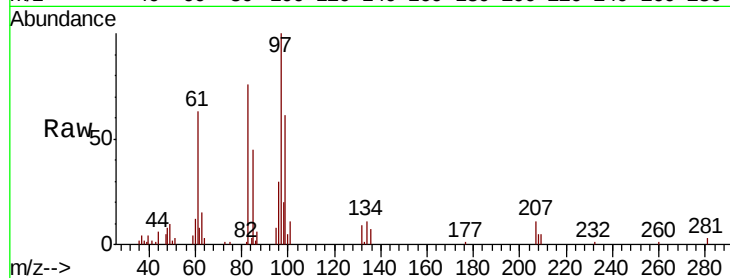




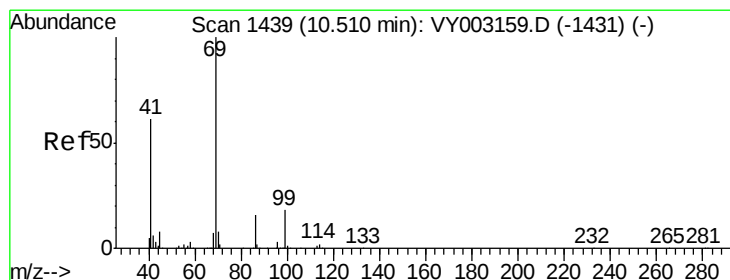
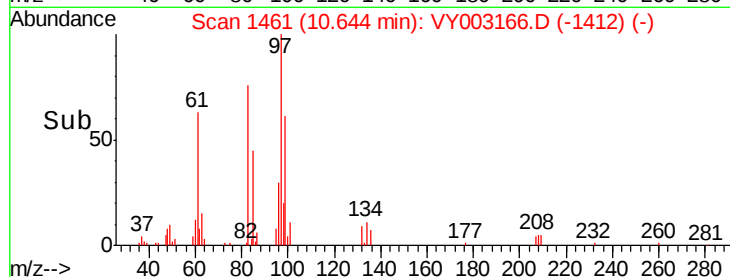
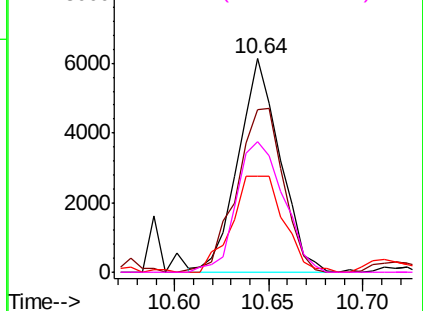
#55
 1,1,2-Trichloroethane
 Concen: 2.568 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	97	Resp:	9462
Ion	Ratio	Lower	Upper
97	100		
83	76.2	68.8	103.2
85	44.7	43.1	64.7
99	61.1	50.8	76.2

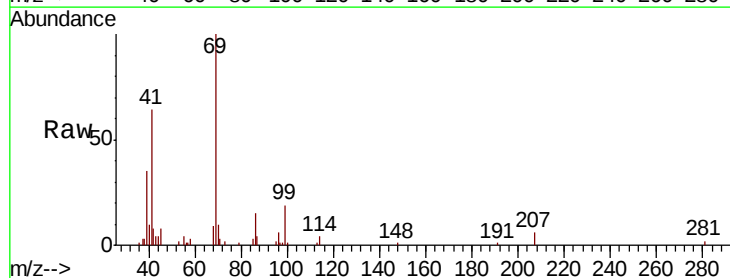


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

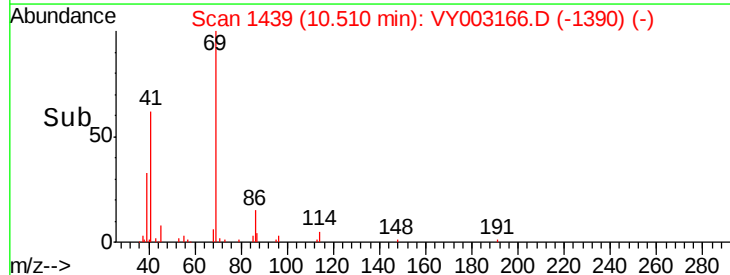
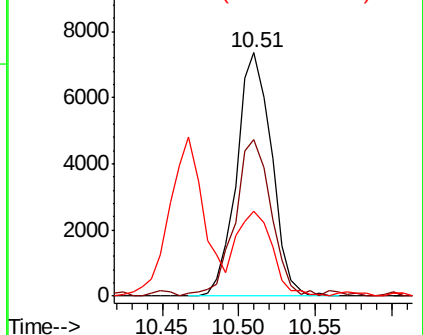


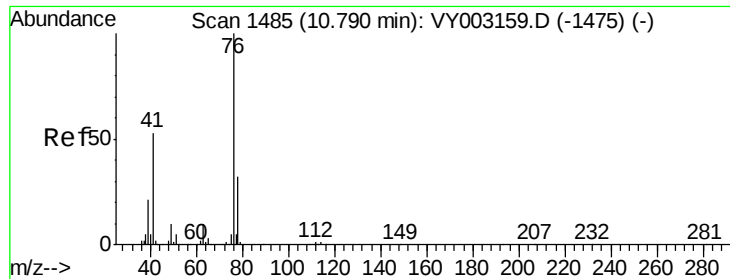
#56
 Ethyl methacrylate
 Concen: 2.322 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Tgt Ion:	69	Resp:	11634
Ion	Ratio	Lower	Upper
69	100		
41	67.0	50.0	75.0
39	35.7	27.6	41.4



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





#57

1,3-Dichloropropane

Concen: 2.553 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

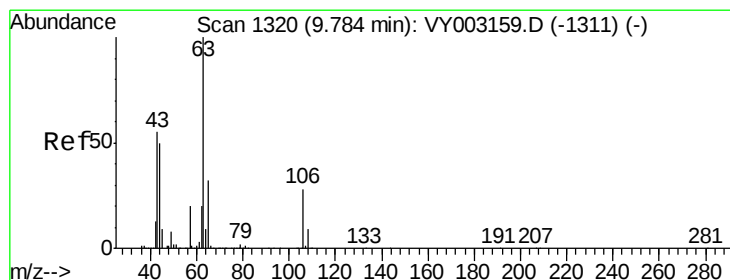
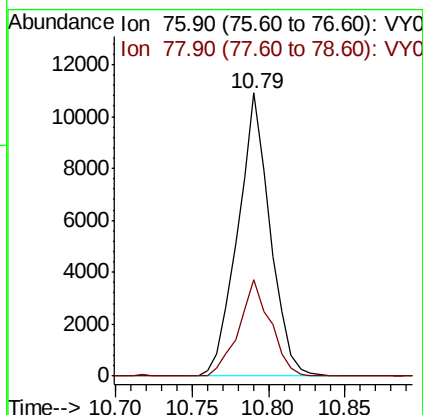
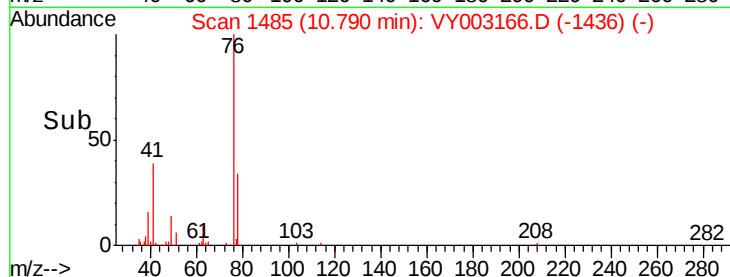
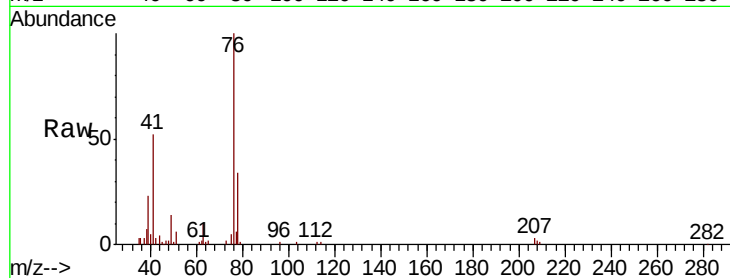
MDL-SOIL-03-QT3-2020

Tot Ion: 76 Resp: 15950

Ion Ratio Lower Upper

76 100

78 33.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 12.161 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003166.D

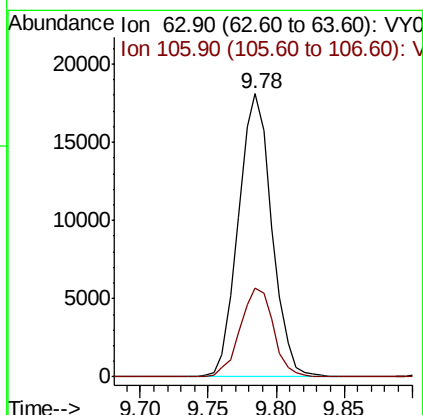
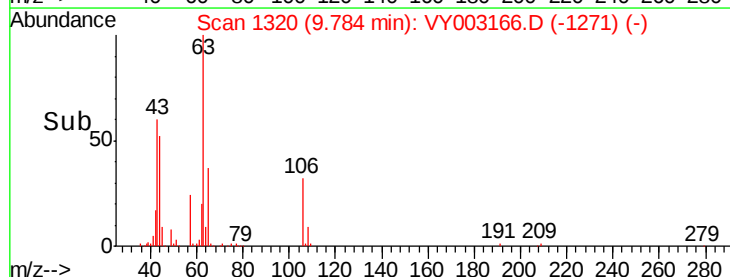
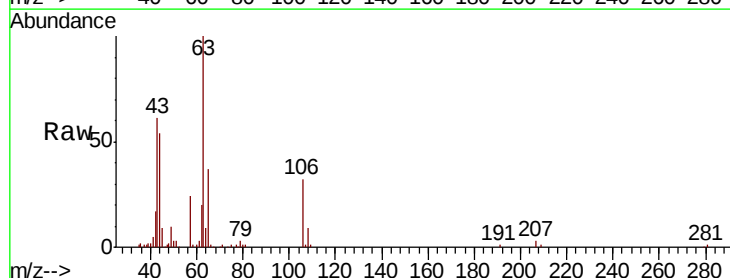
Acq: 10 Jul 2020 16:20

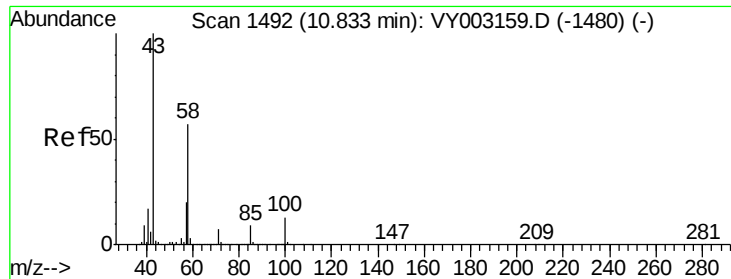
Tgt Ion: 63 Resp: 31071

Ion Ratio Lower Upper

63 100

106 30.9 22.9 34.3

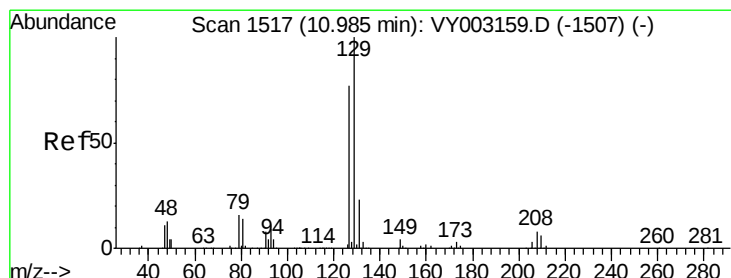
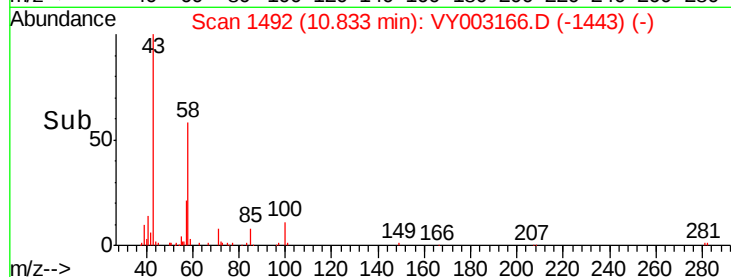
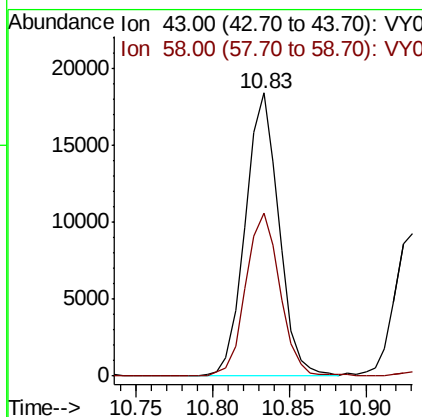
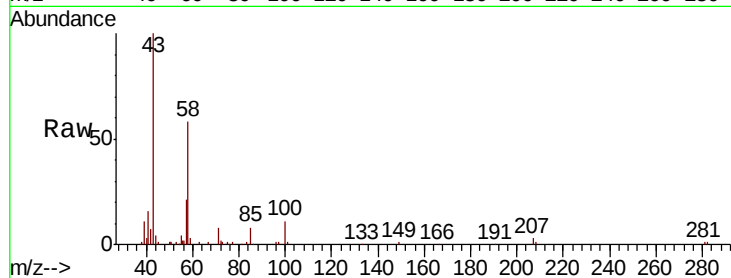




#59
2-Hexanone
Concen: 11.910 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

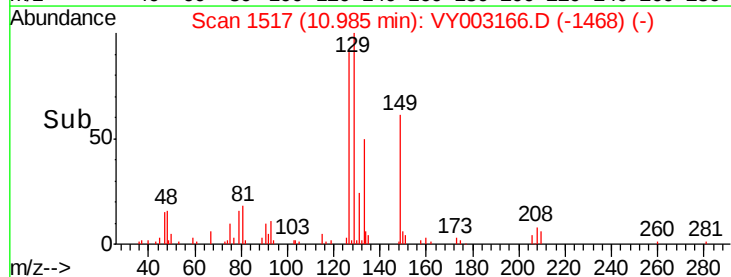
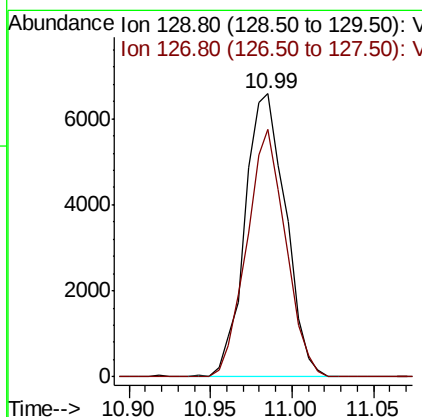
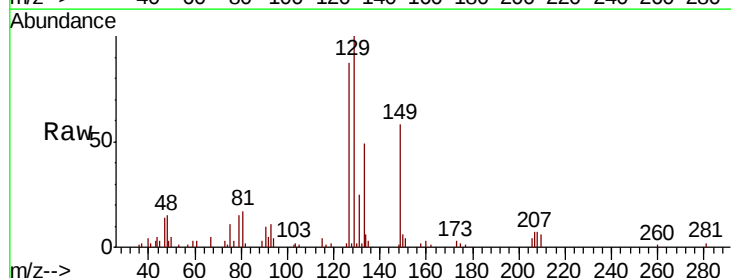
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

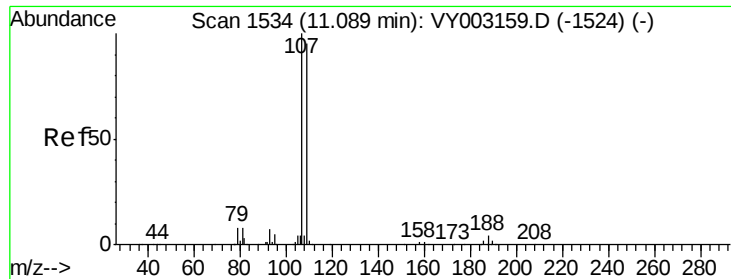
Tot Ion: 43 Resp: 28149
Ion Ratio Lower Upper
43 100
58 58.8 28.3 85.0



#60
Dibromochloromethane
Concen: 2.464 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 129 Resp: 11422
Ion Ratio Lower Upper
129 100
127 83.5 38.5 115.5

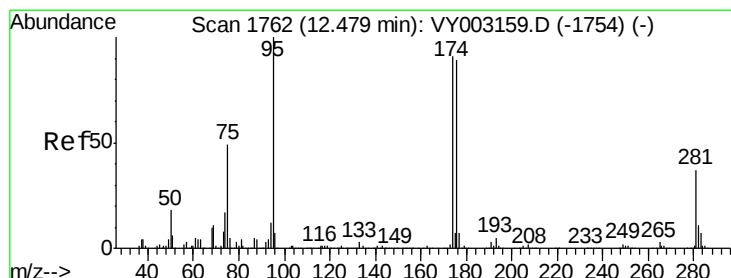
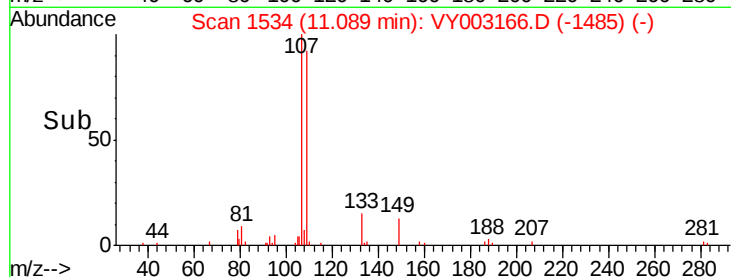
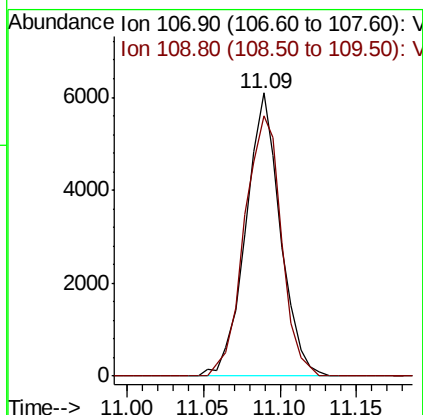
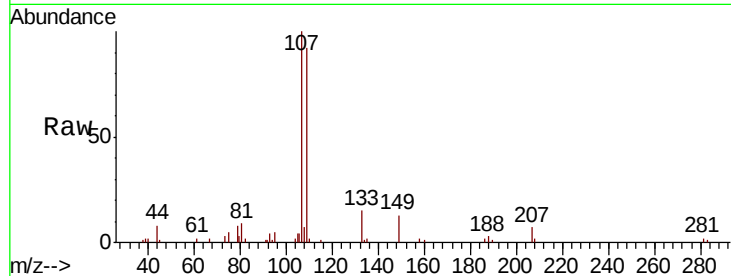




#61
 1,2-Dibromoethane
 Concen: 2.629 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

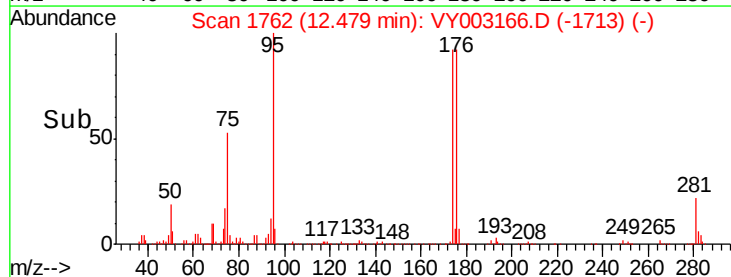
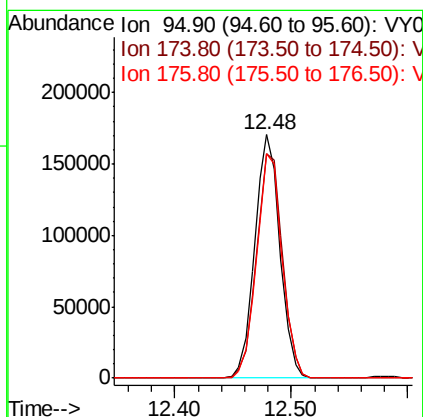
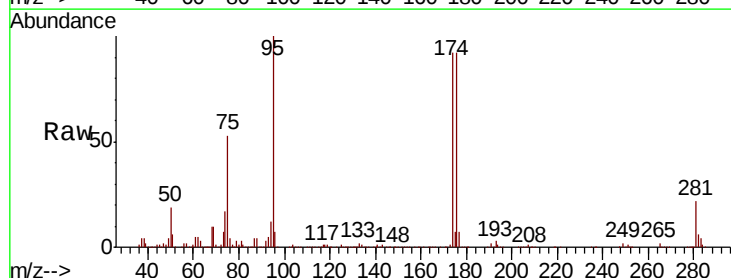
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion: 107 Resp: 9563
 Ion Ratio Lower Upper
 107 100
 109 98.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.041 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Tgt Ion: 95 Resp: 256022
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 190.6
 176 93.3 0.0 186.4

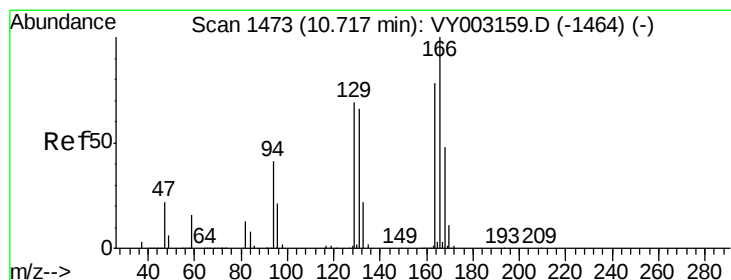
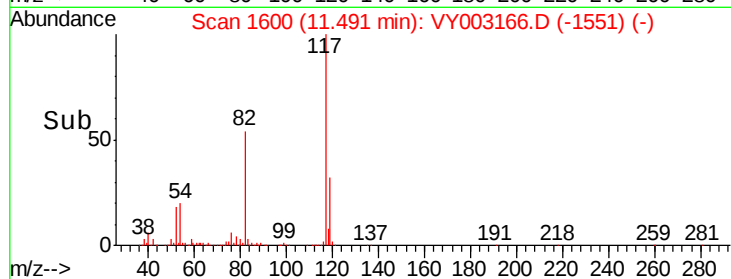
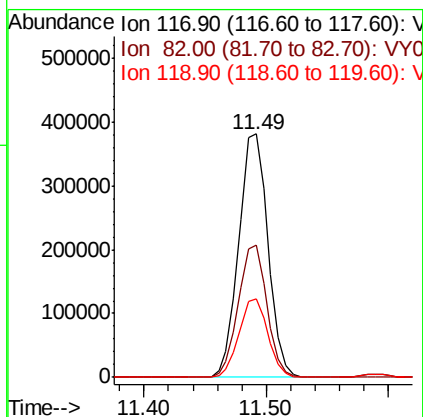
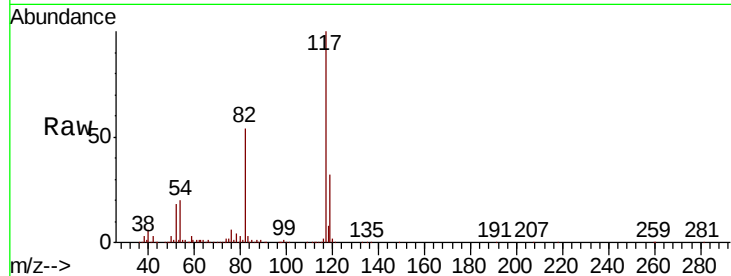




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

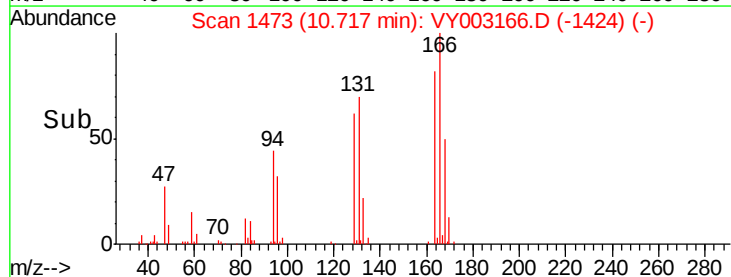
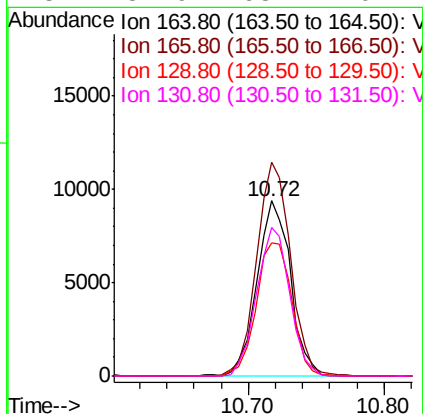
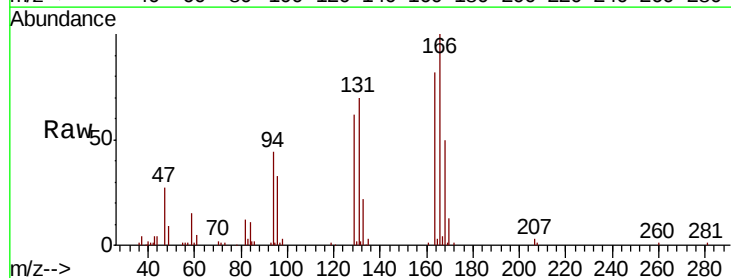
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:117 Resp: 632651
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 2.867 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion:164 Resp: 16174
Ion Ratio Lower Upper
164 100
166 121.8 102.9 154.3
129 76.0 71.4 107.2
131 84.9 68.1 102.1





#65

Chlorobenzene

Concen: 2.643 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

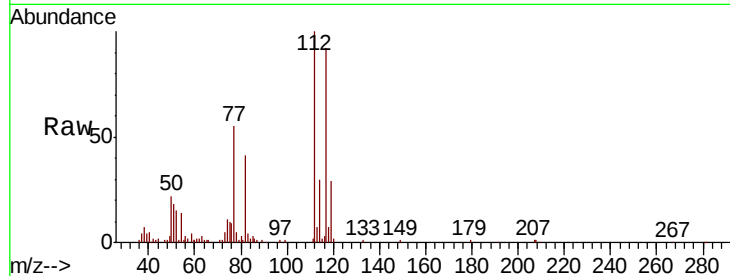
MDL-SOIL-03-QT3-2020

Tot Ion:112 Resp: 32216

Ion Ratio Lower Upper

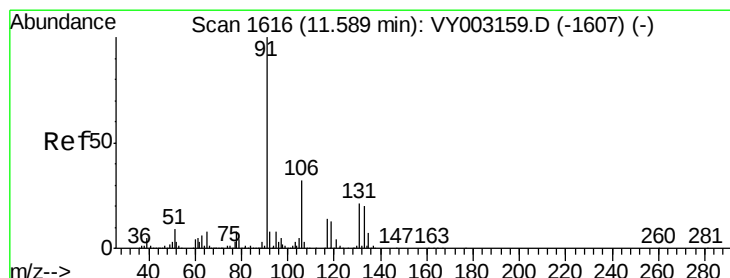
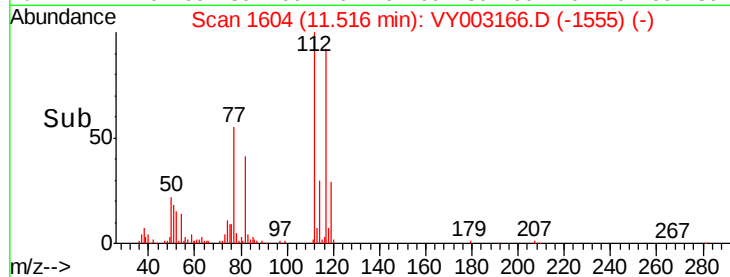
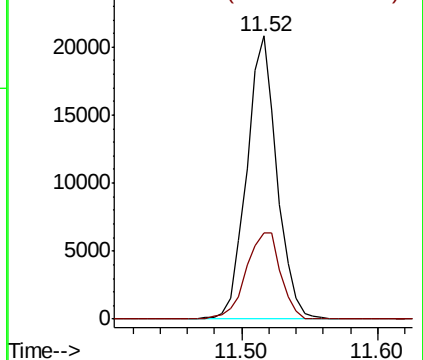
112 100

114 30.5 24.7 37.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.505 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

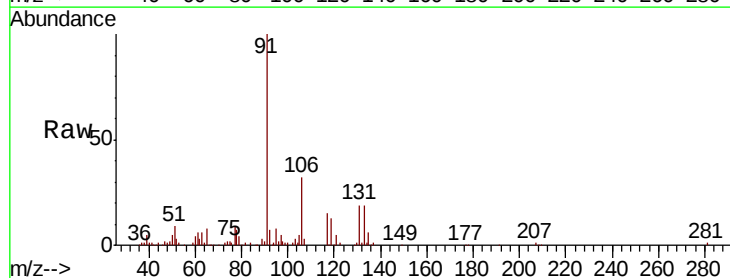
Tgt Ion:131 Resp: 11859

Ion Ratio Lower Upper

131 100

133 100.9 48.0 144.0

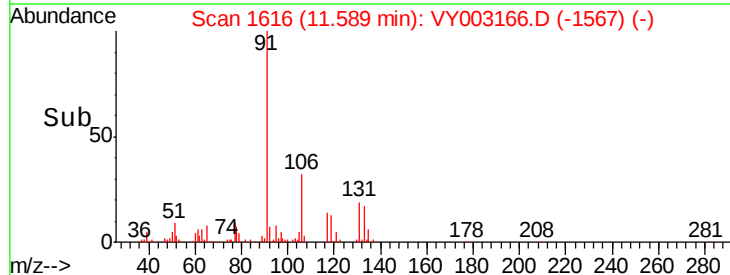
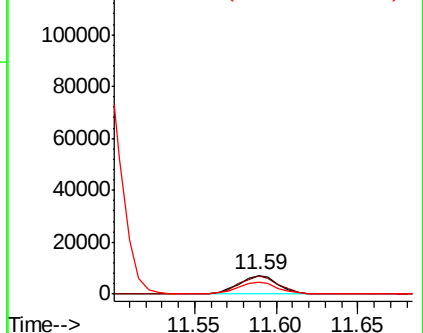
119 67.1 32.4 97.0

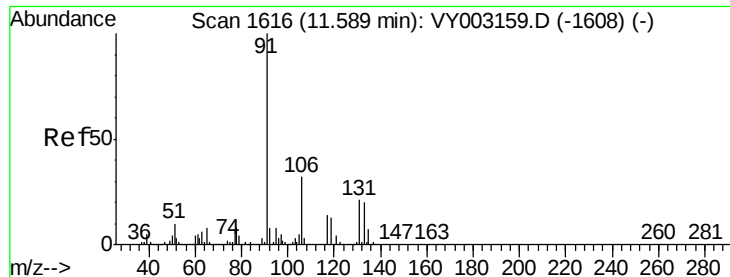


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 2.669 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

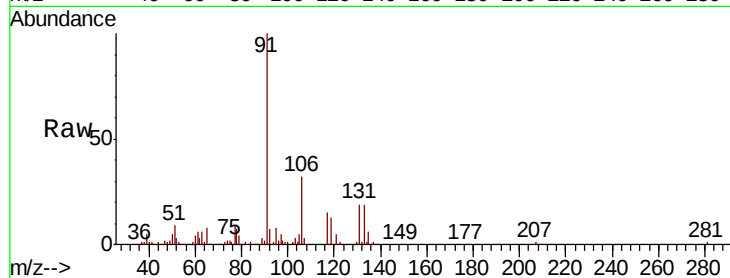
MDL-SOIL-03-QT3-2020

Tot Ion: 91 Resp: 58083

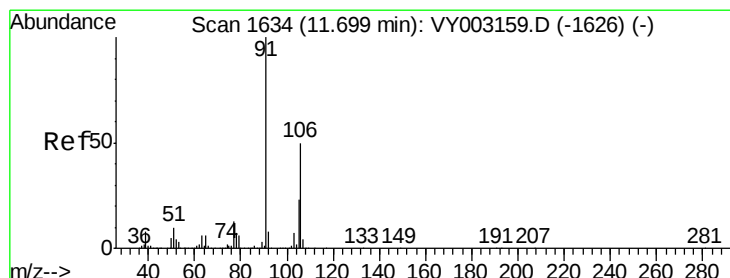
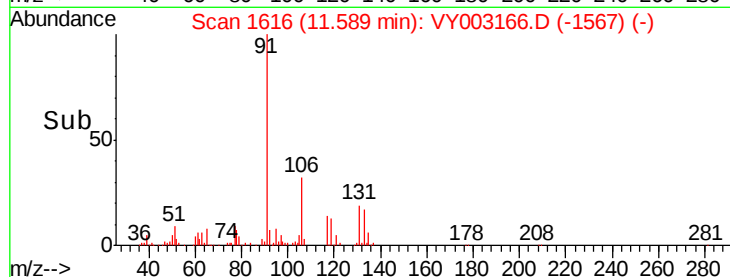
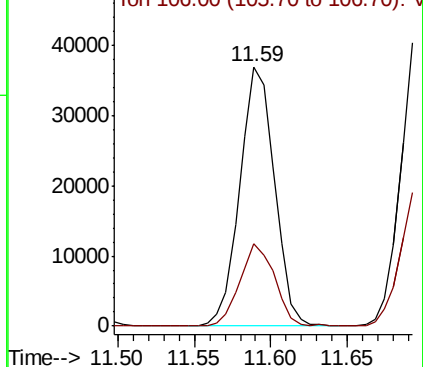
Ion Ratio Lower Upper

91 100

106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1608) (-)



#68

m/p-Xylenes

Concen: 5.315 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003166.D

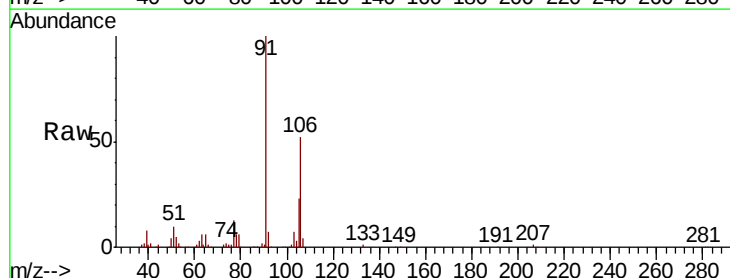
Acq: 10 Jul 2020 16:20

Tgt Ion: 106 Resp: 43885

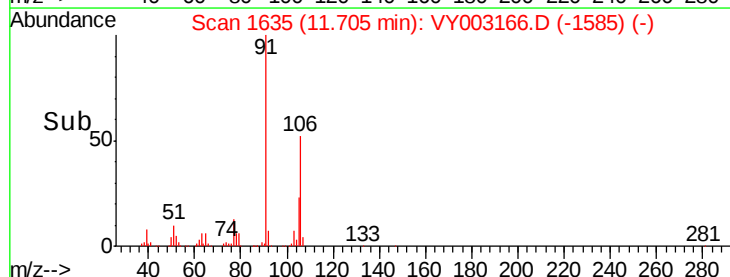
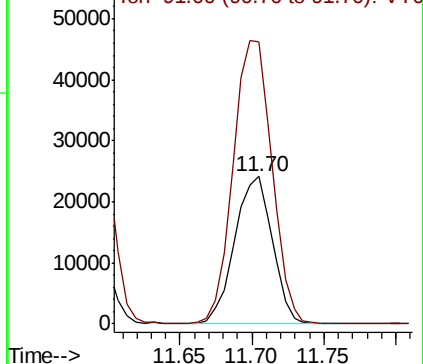
Ion Ratio Lower Upper

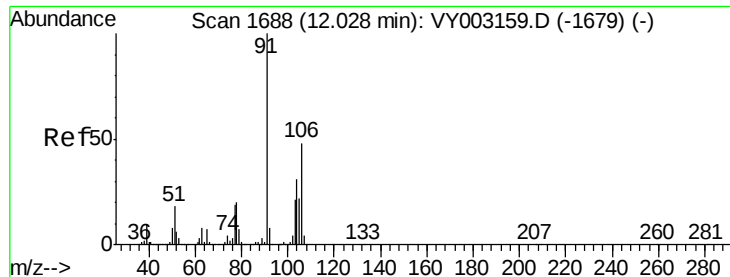
106 100

91 198.4 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): VY003159.D (-1626) (-)

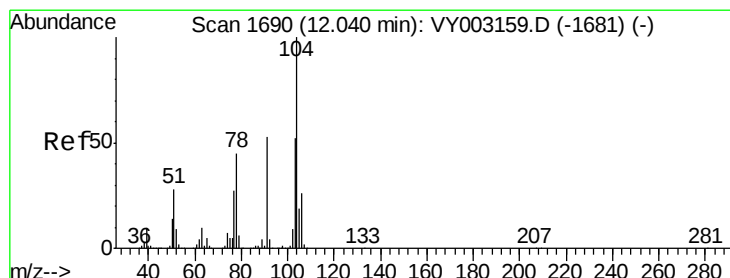
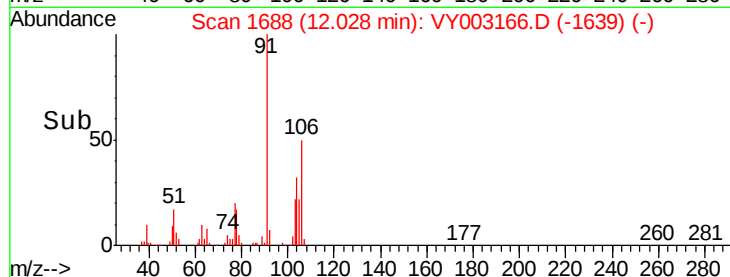
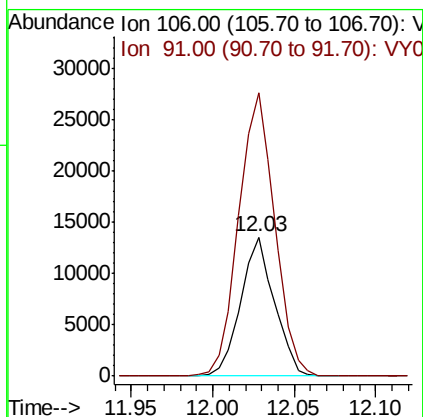
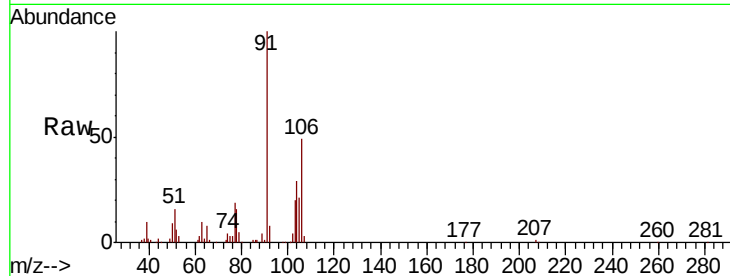




#69
o-Xylene
Concen: 2.536 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

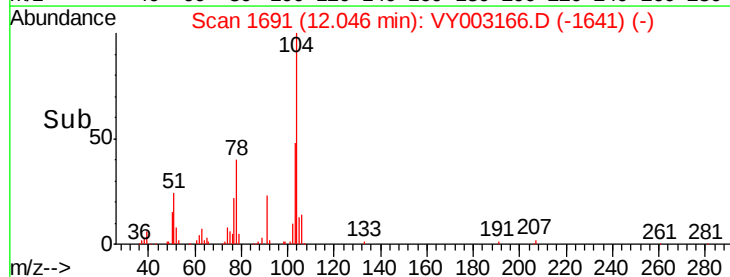
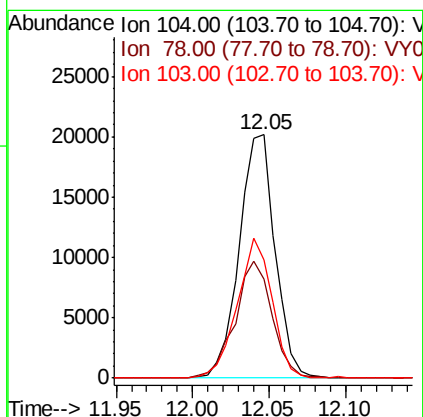
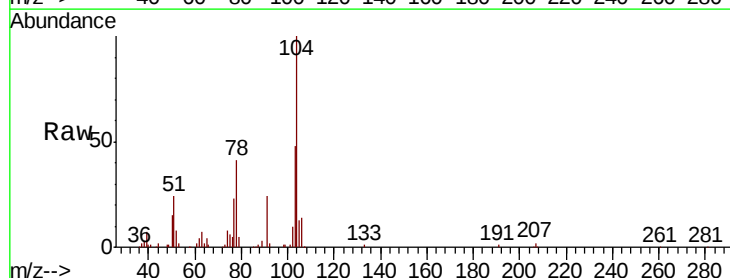
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

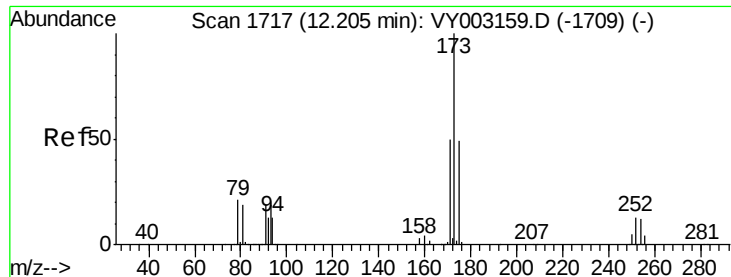
Tot Ion:106 Resp: 19564
Ion Ratio Lower Upper
106 100
91 217.0 105.1 315.1



#70
Styrene
Concen: 2.483 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion:104 Resp: 32767
Ion Ratio Lower Upper
104 100
78 49.7 38.5 57.7
103 55.7 43.9 65.9





#71

Bromoform

Concen: 2.577 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

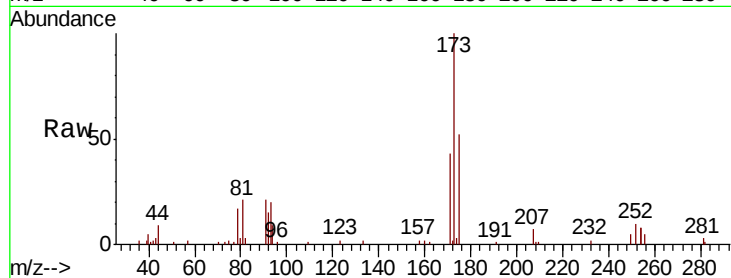
Tot Ion:173 Resp: 8006

Ion Ratio Lower Upper

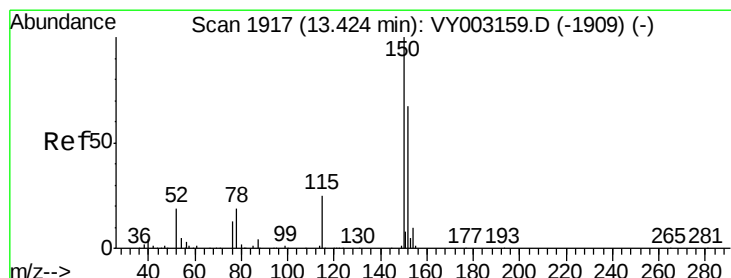
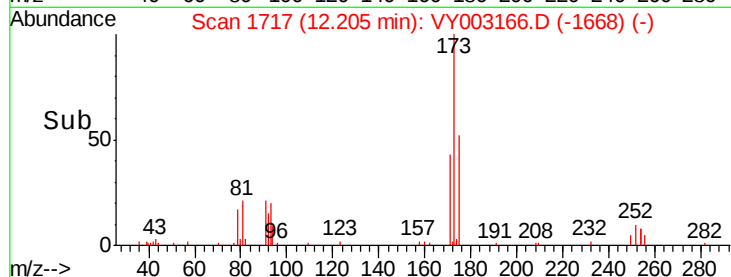
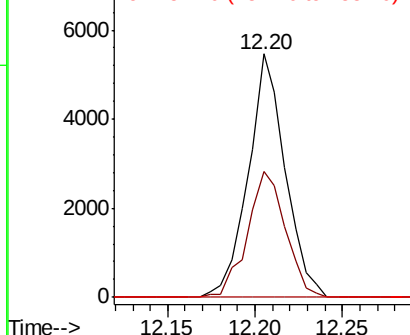
173 100

175 53.4 24.3 73.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

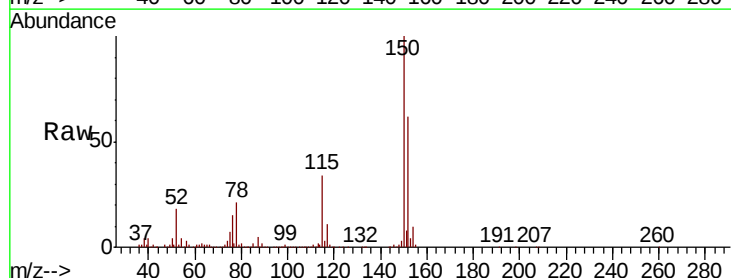
Tgt Ion:152 Resp: 337358

Ion Ratio Lower Upper

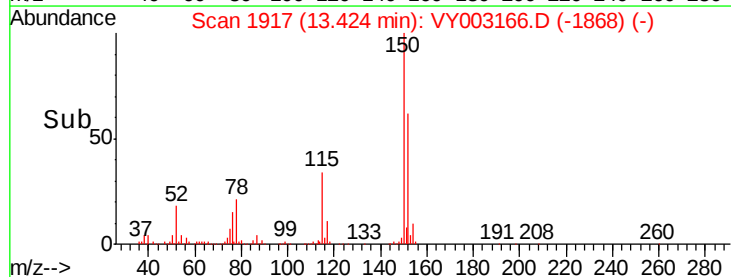
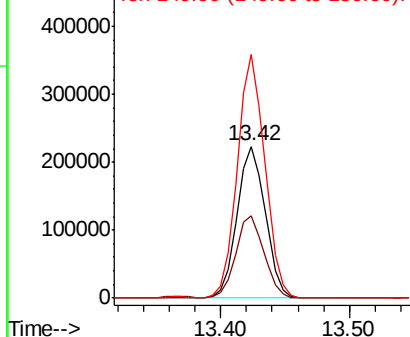
152 100

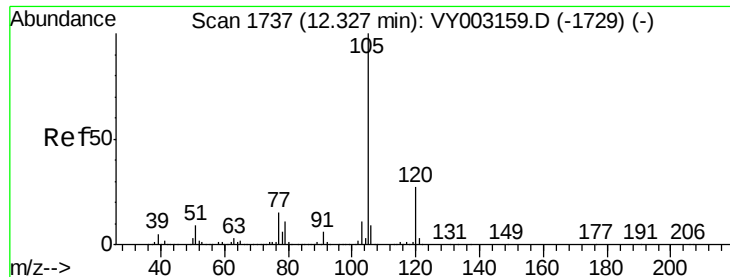
115 54.5 26.9 80.7

150 157.5 0.0 338.0



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





#73

Isopropylbenzene

Concen: 2.614 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

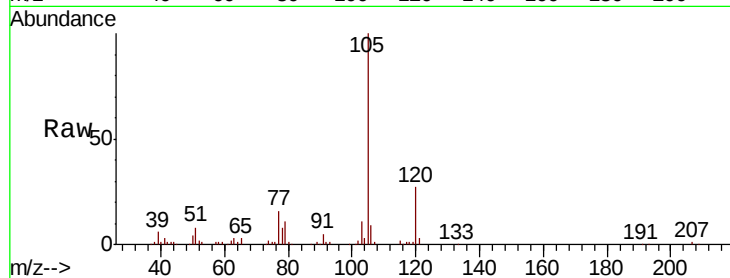
MDL-SOIL-03-QT3-2020

Tot Ion: 105 Resp: 56202

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

40000

30000

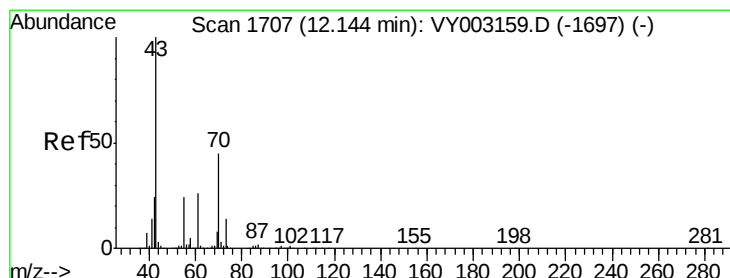
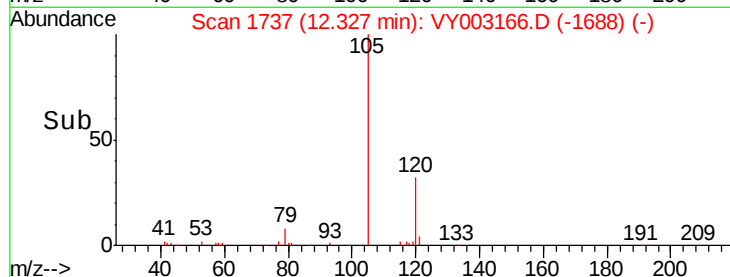
20000

10000

0

Time-->

12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 2.476 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Tgt Ion: 43 Resp: 14935

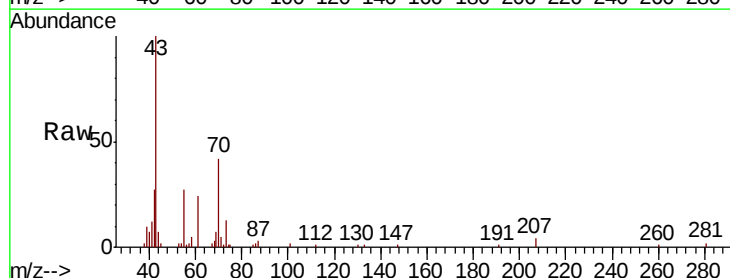
Ion Ratio Lower Upper

43 100

70 41.6 35.6 53.4

55 25.3 19.4 29.2

61 25.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

15000

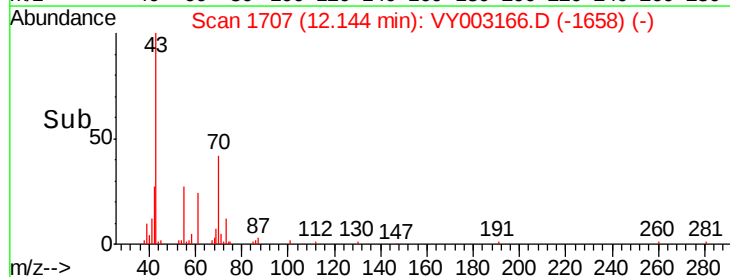
10000

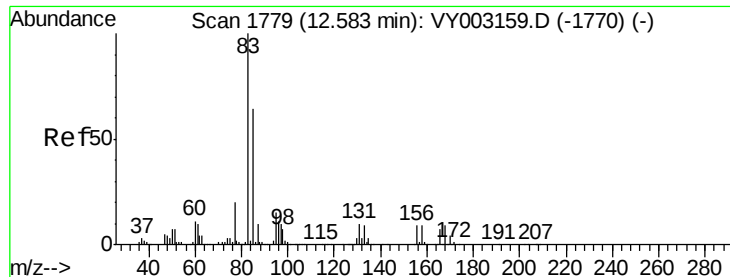
5000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 2.698 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

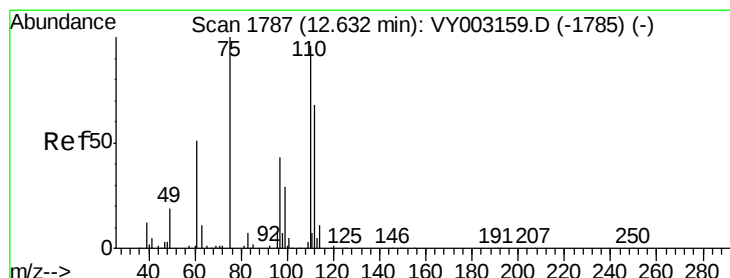
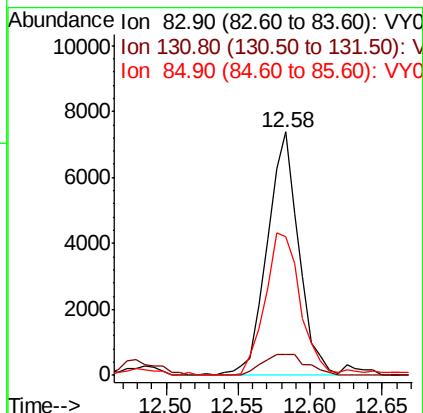
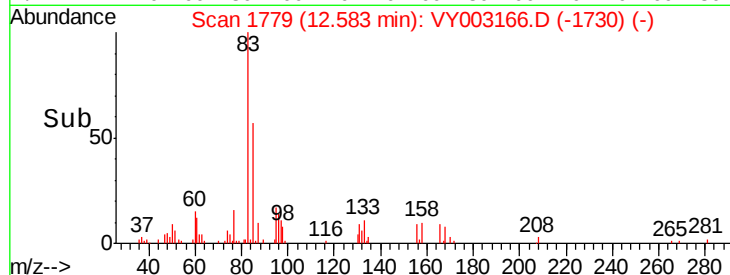
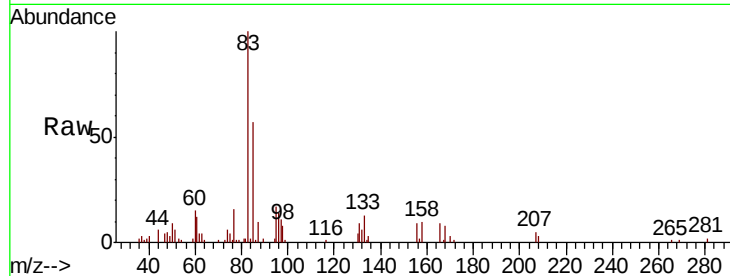
Tot Ion: 83 Resp: 11204

Ion Ratio Lower Upper

83 100

131 12.2 5.2 15.6

85 65.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 5.332 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003166.D

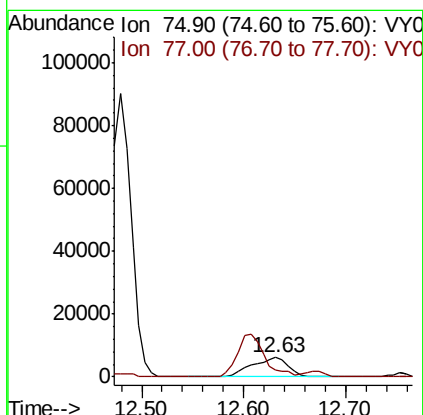
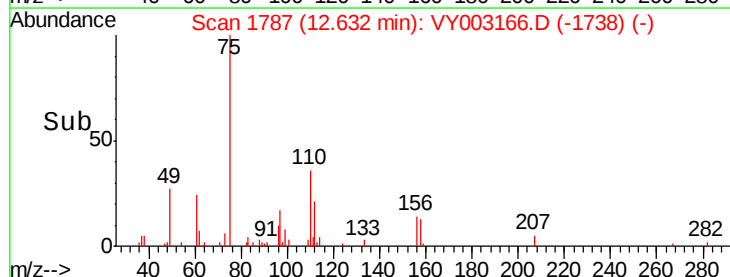
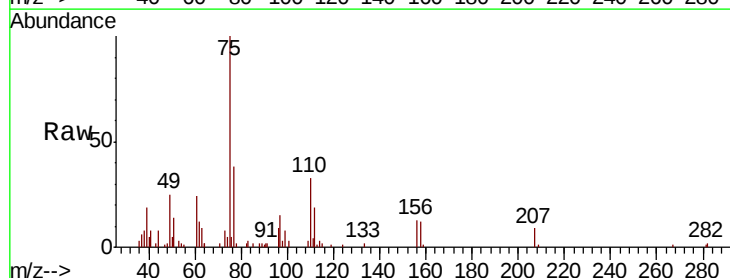
Acq: 10 Jul 2020 16:20

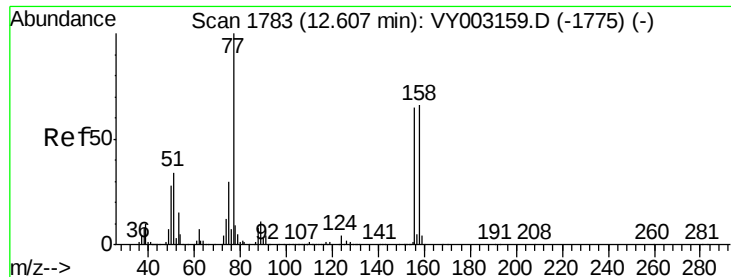
Tgt Ion: 75 Resp: 15923

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.675 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

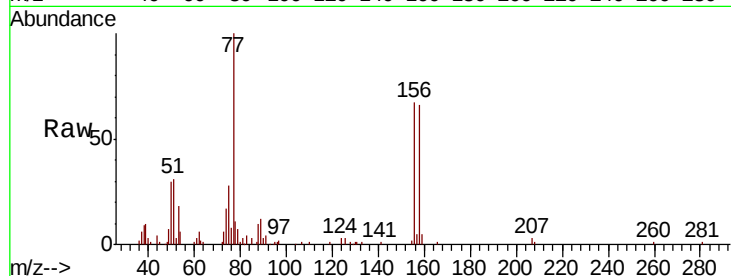
Tot Ion:156 Resp: 14657

Ion Ratio Lower Upper

156 100

77 170.4 86.6 259.7

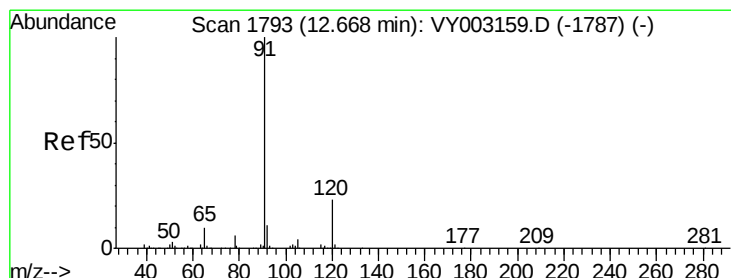
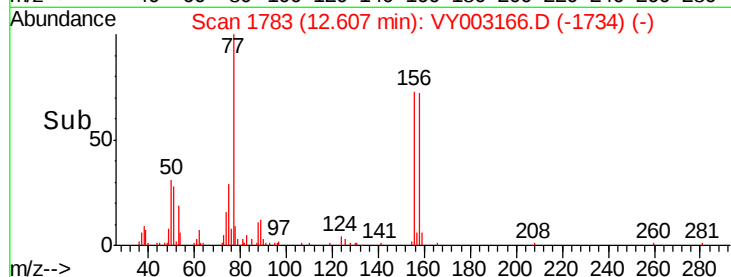
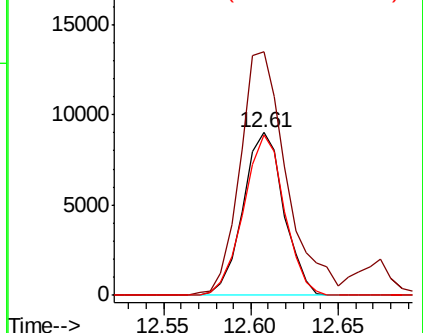
158 98.1 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.694 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003166.D

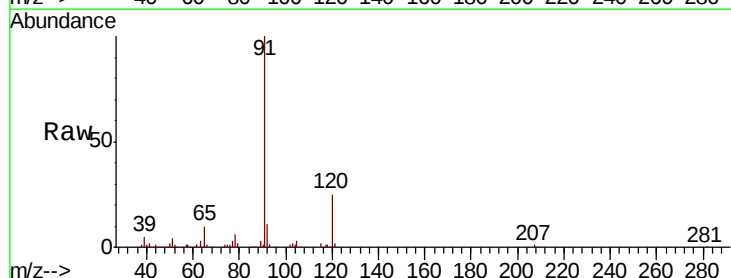
Acq: 10 Jul 2020 16:20

Tgt Ion: 91 Resp: 68283

Ion Ratio Lower Upper

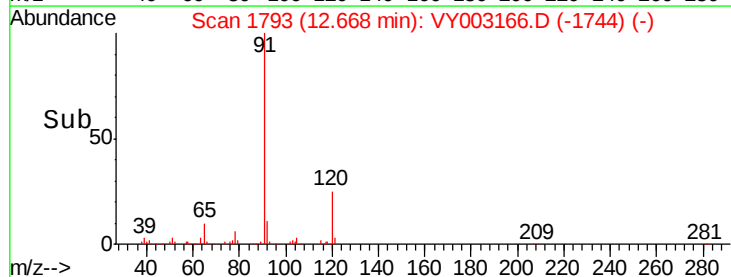
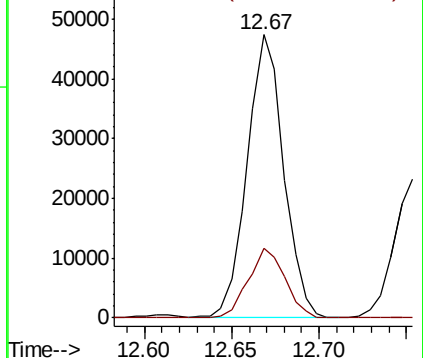
91 100

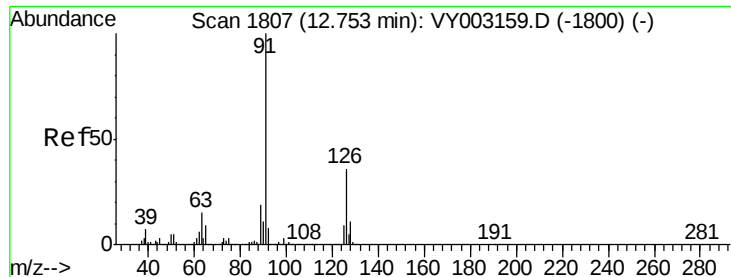
120 25.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

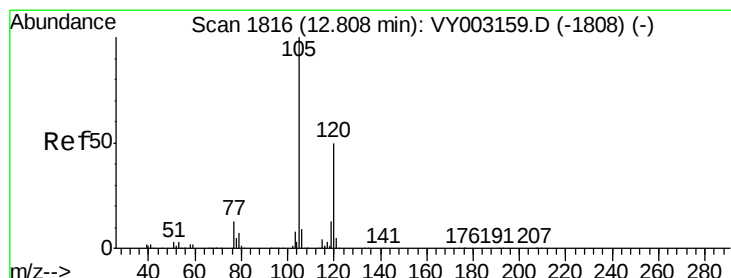
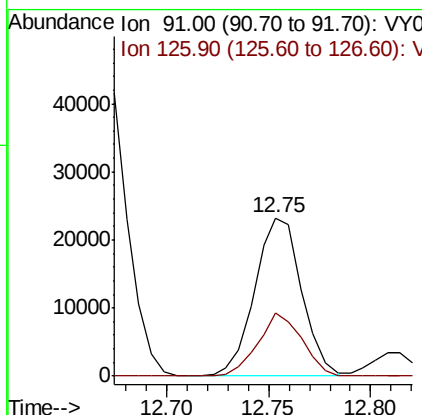
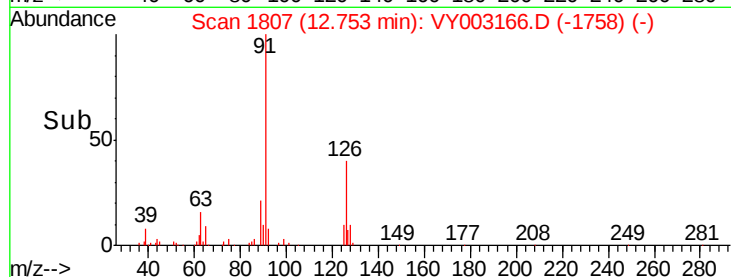
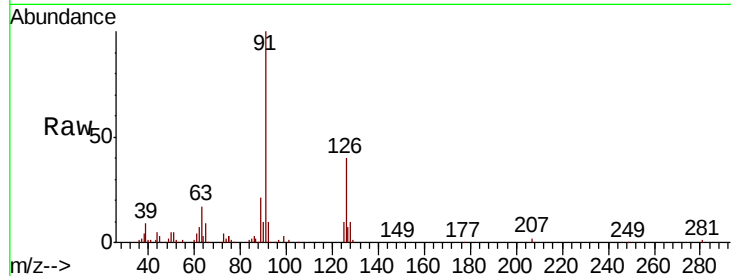




#79
2-Chlorotoluene
Concen: 2.613 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

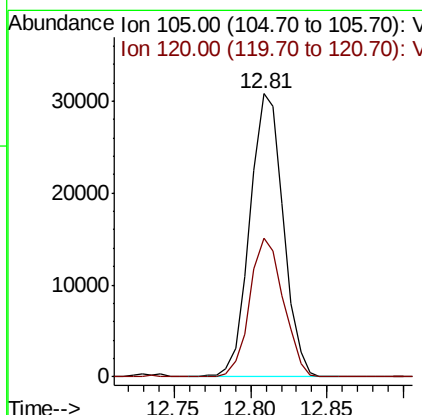
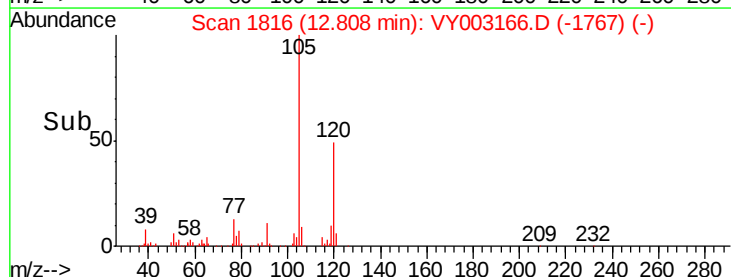
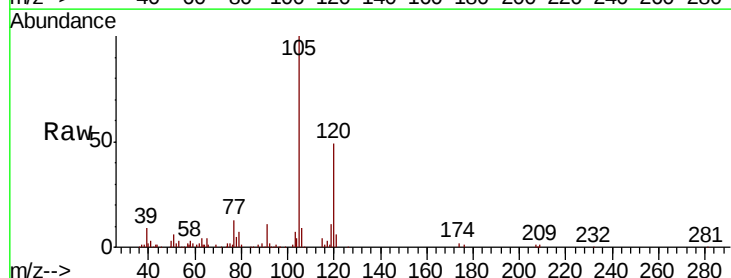
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

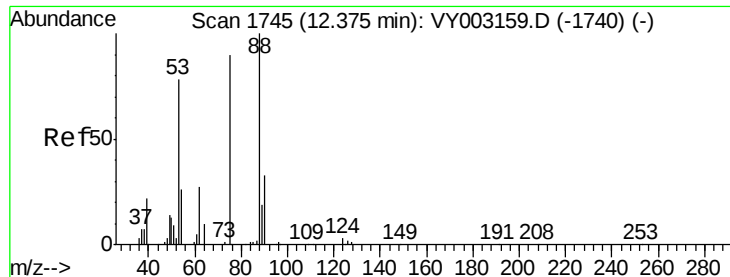
Tot Ion: 91 Resp: 36946
Ion Ratio Lower Upper
91 100
126 37.3 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 2.613 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 105 Resp: 46816
Ion Ratio Lower Upper
105 100
120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.616 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

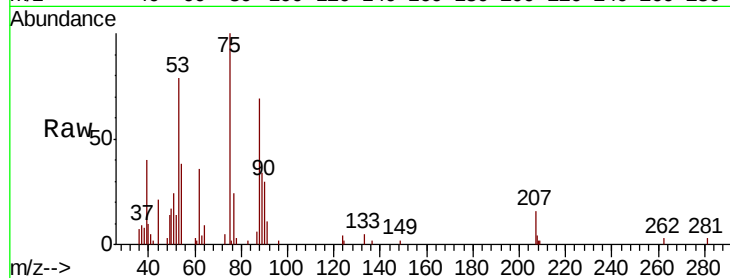
Tot Ion: 75 Resp: 4014

Ion Ratio Lower Upper

75 100

53 89.9 72.0 108.0

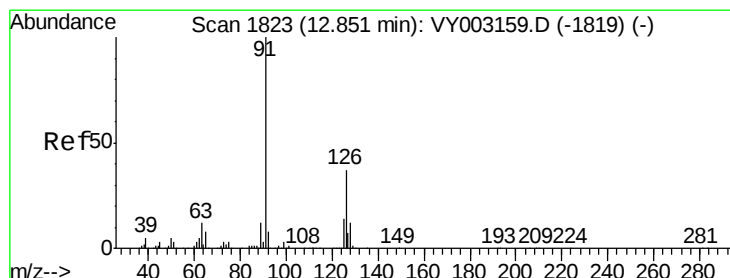
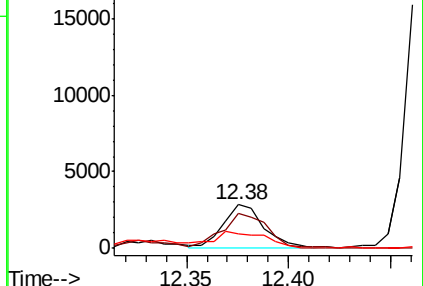
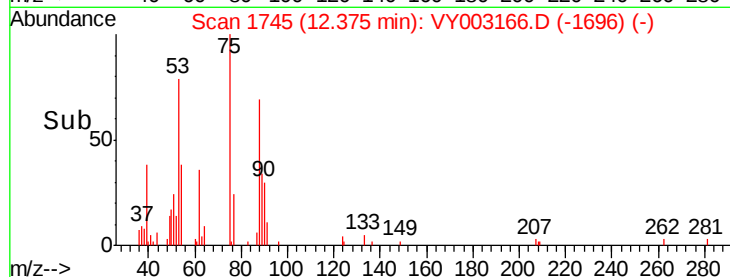
89 48.7 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 2.696 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003166.D

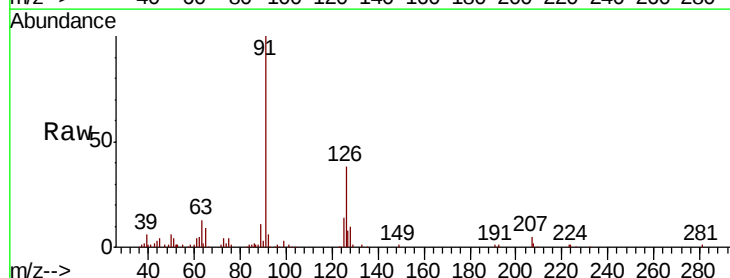
Acq: 10 Jul 2020 16:20

Tgt Ion: 91 Resp: 39792

Ion Ratio Lower Upper

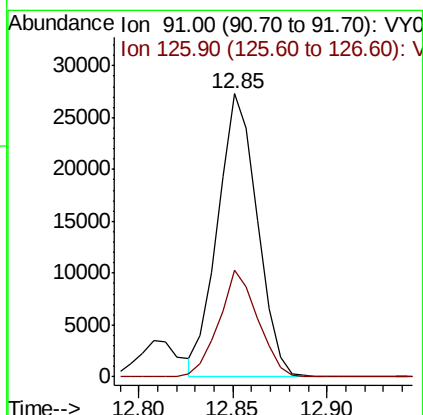
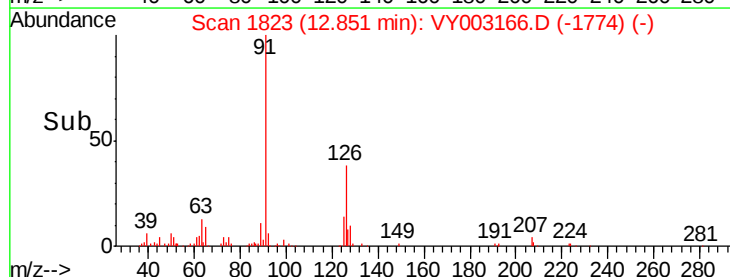
91 100

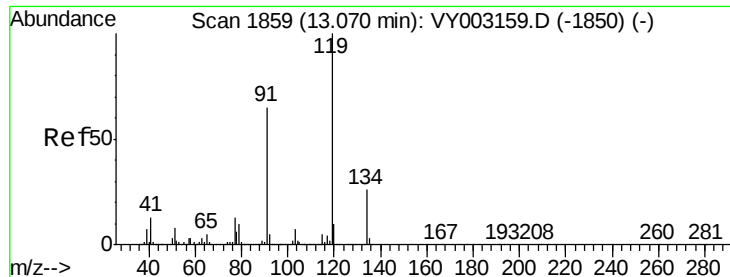
126 37.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.684 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

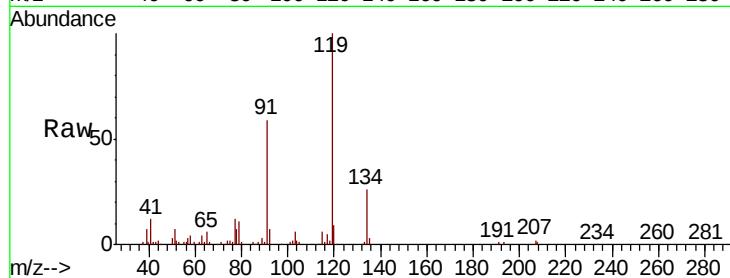
Tot Ion:119 Resp: 42436

Ion Ratio Lower Upper

119 100

91 59.9 30.8 92.4

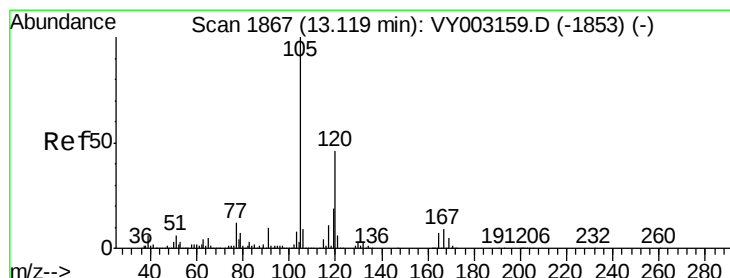
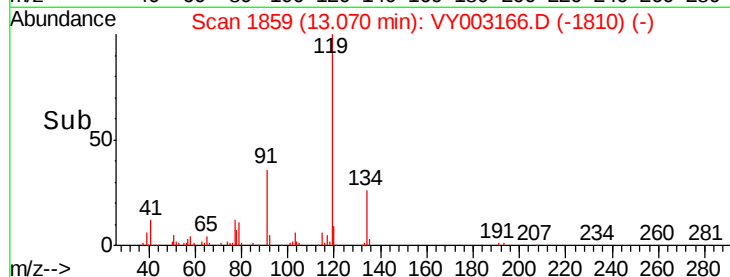
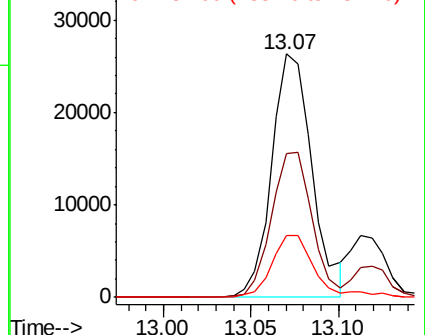
134 27.1 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.652 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003166.D

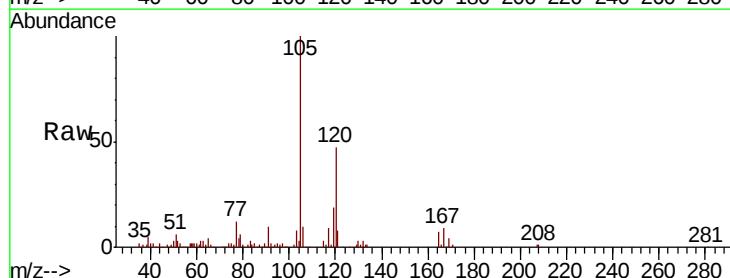
Acq: 10 Jul 2020 16:20

Tgt Ion:105 Resp: 47821

Ion Ratio Lower Upper

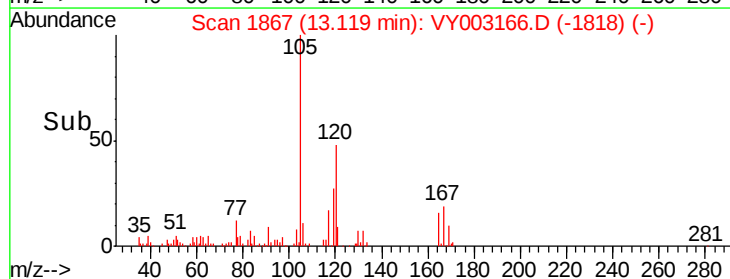
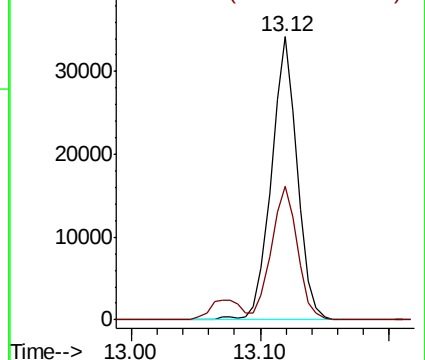
105 100

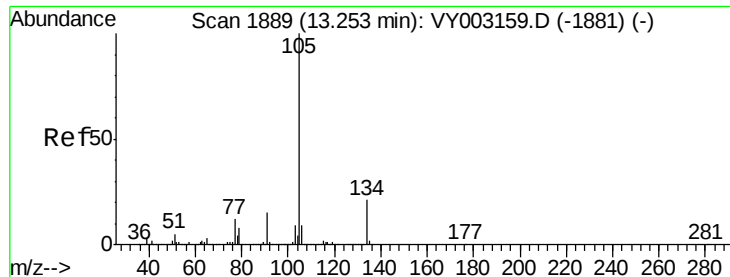
120 48.1 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.674 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

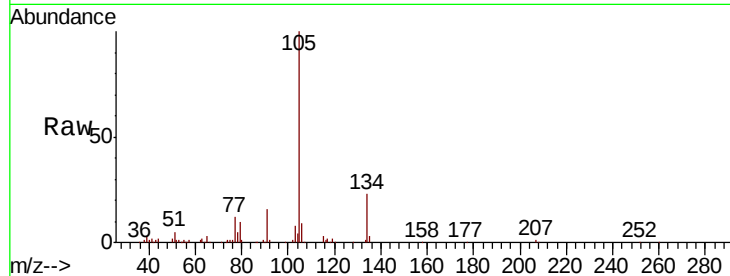
MDL-SOIL-03-QT3-2020

Tot Ion:105 Resp: 58104

Ion Ratio Lower Upper

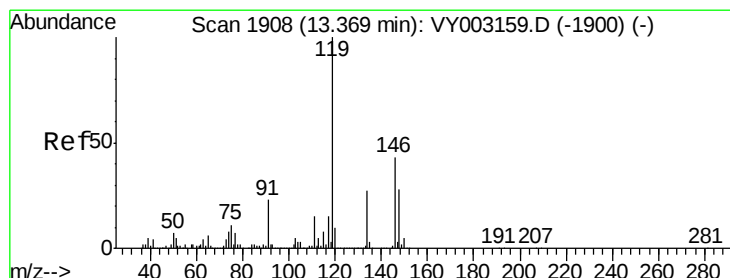
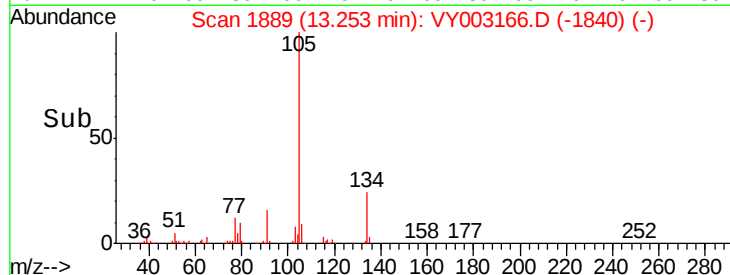
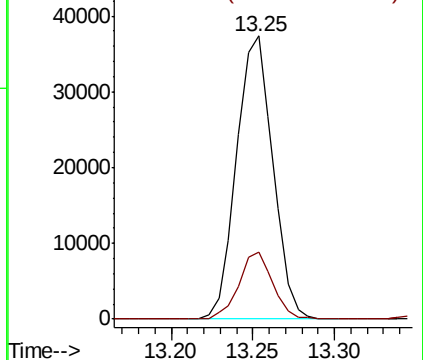
105 100

134 22.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.704 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

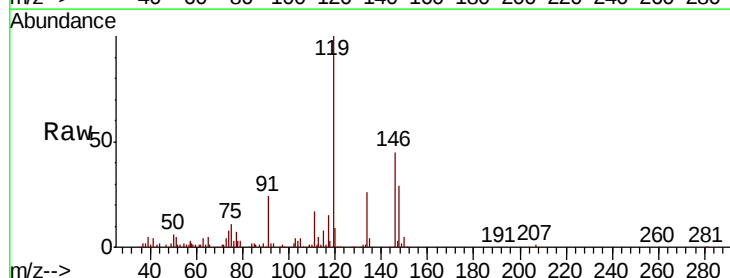
Tgt Ion:119 Resp: 54868

Ion Ratio Lower Upper

119 100

134 27.8 13.4 40.2

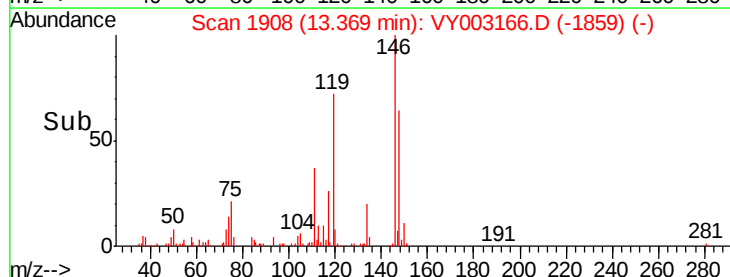
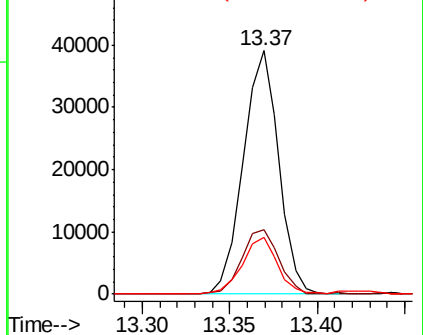
91 23.6 11.2 33.6

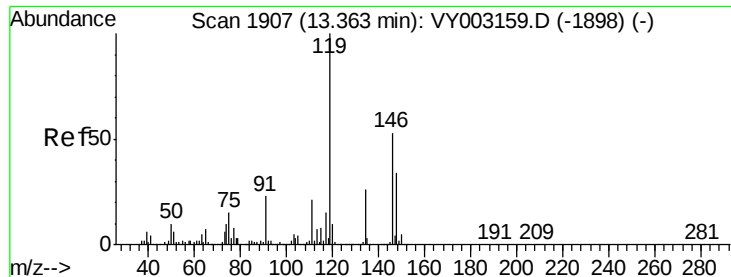


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 2.851 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2020

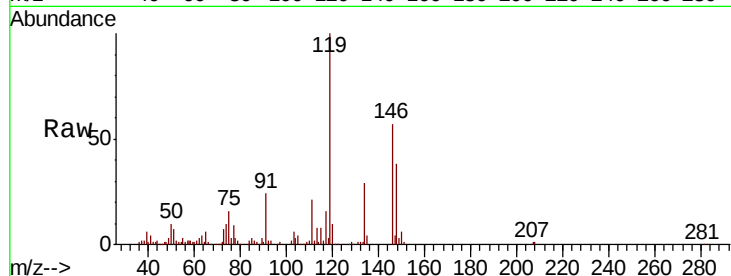
Tot Ion:146 Resp: 29541

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

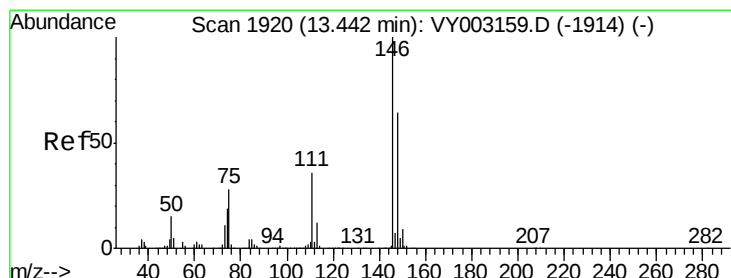
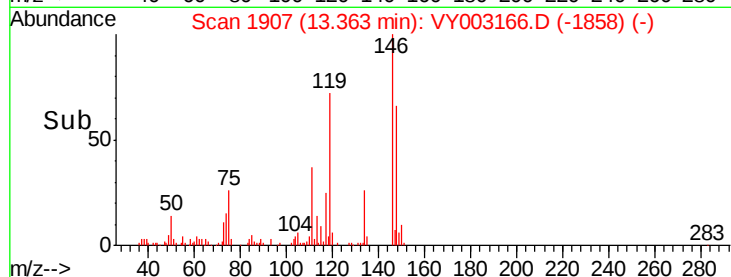
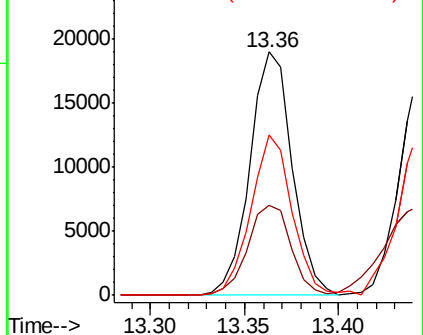
148 64.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.811 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY003166.D

Acq: 10 Jul 2020 16:20

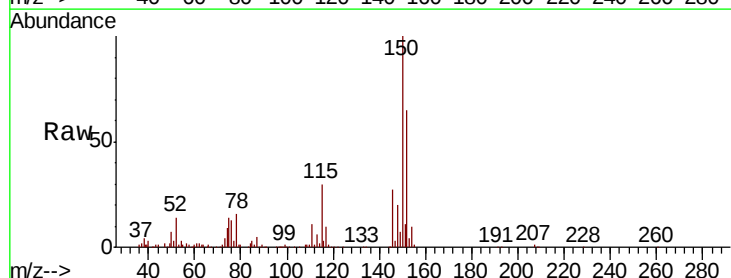
Tgt Ion:146 Resp: 28846

Ion Ratio Lower Upper

146 100

111 51.4 18.4 55.0

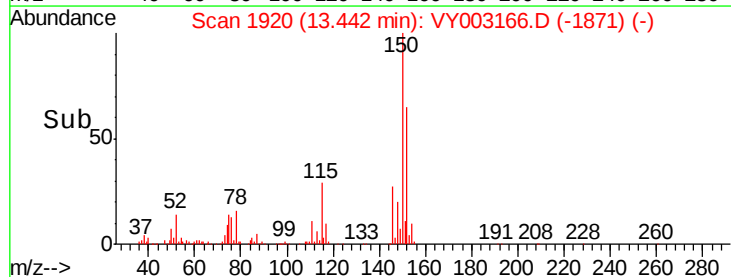
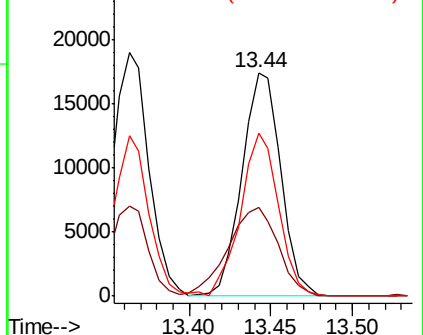
148 71.5 32.0 96.0

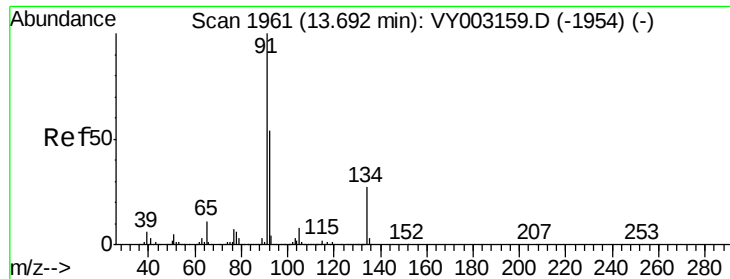


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

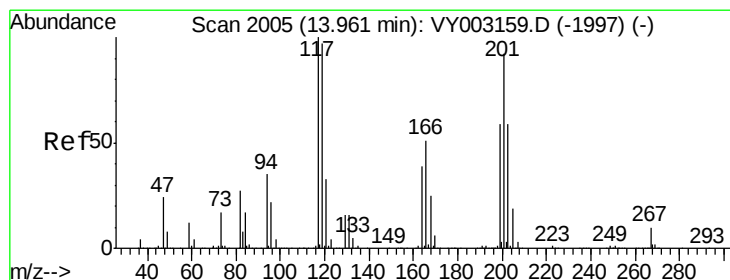
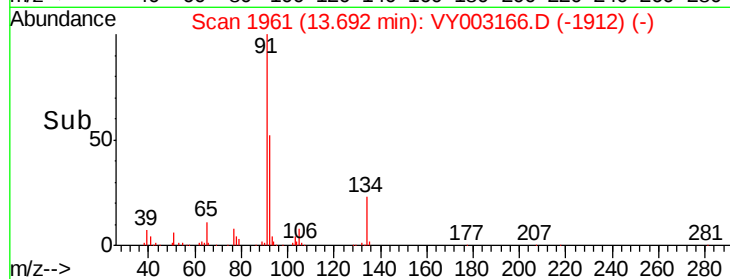
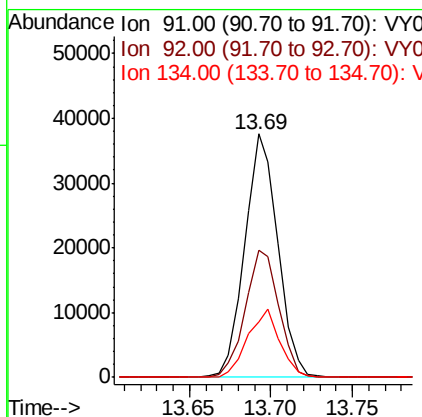
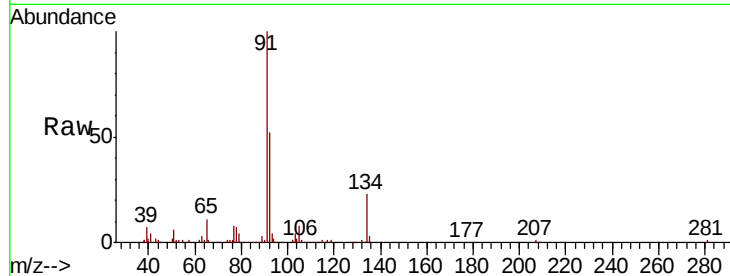




#89
n-Butylbenzene
Concen: 2.780 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

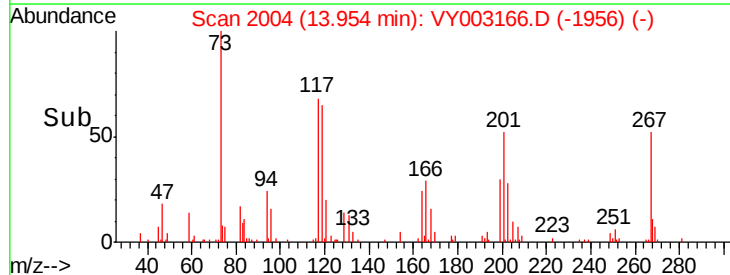
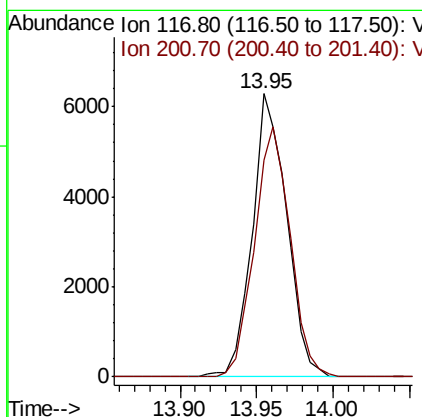
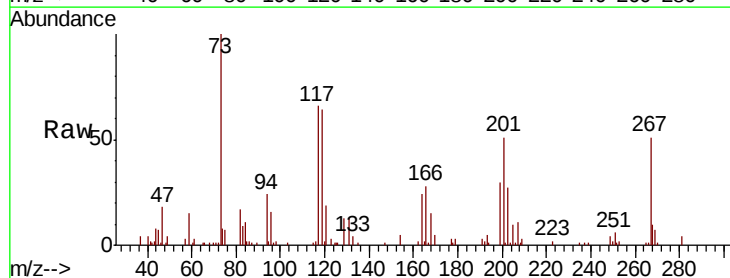
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

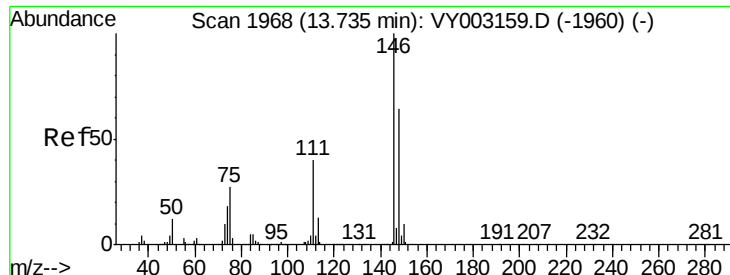
Tot Ion: 91 Resp: 53052
Ion Ratio Lower Upper
91 100
92 53.1 26.9 80.7
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 2.661 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion: 117 Resp: 9831
Ion Ratio Lower Upper
117 100
201 92.0 45.1 135.3

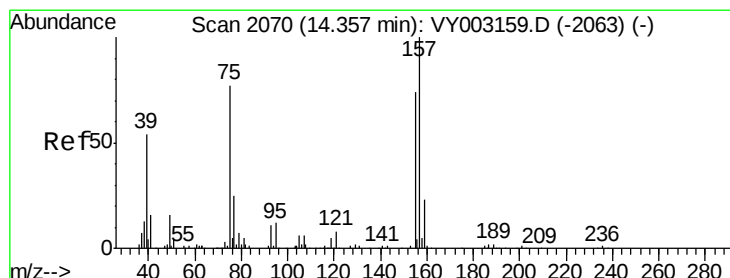
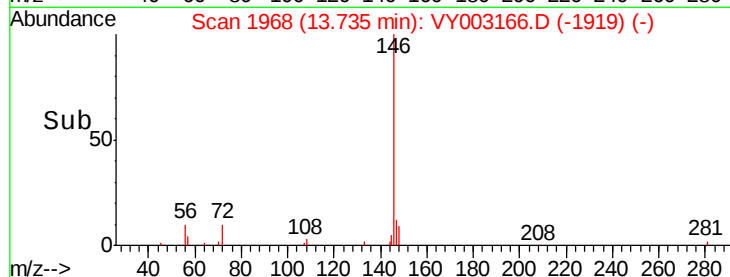
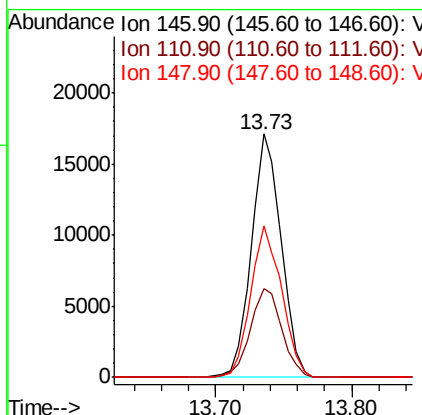
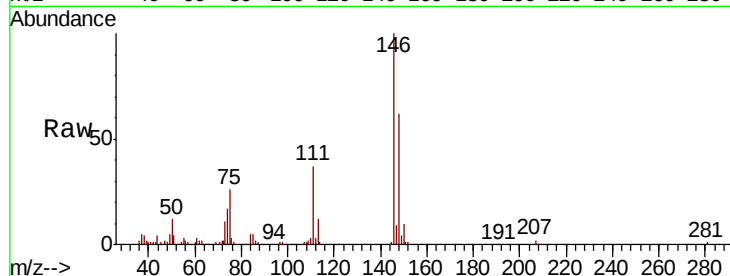




#91
 1,2-Dichlorobenzene
 Concen: 2.893 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

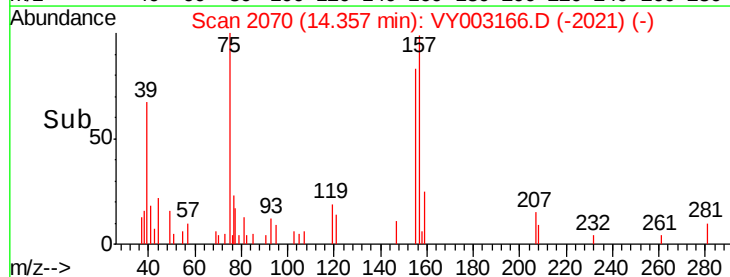
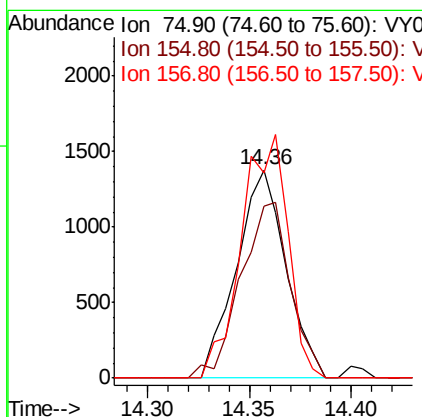
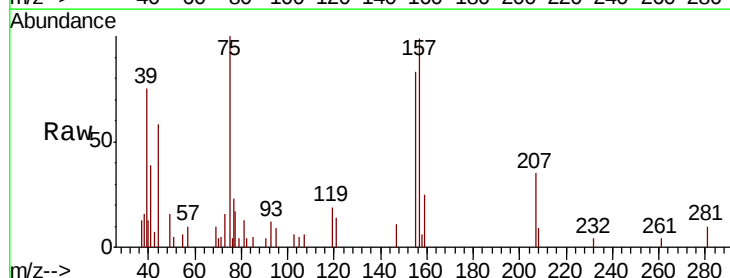
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

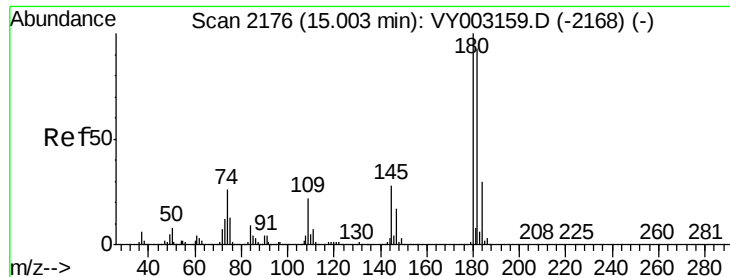
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	64.2	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.449 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	48.1	144.3
157	109.9	61.9	185.6

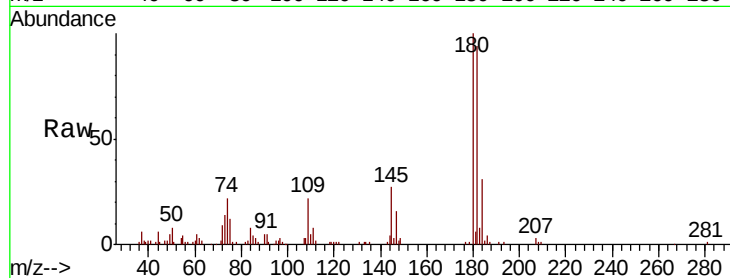




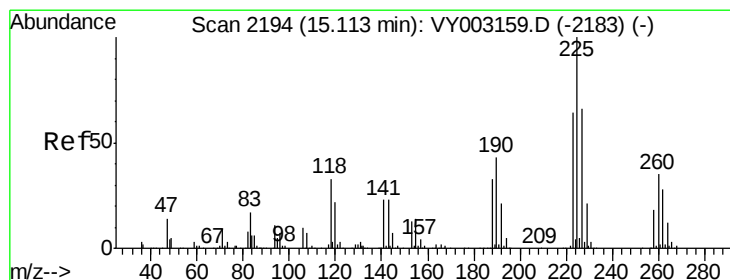
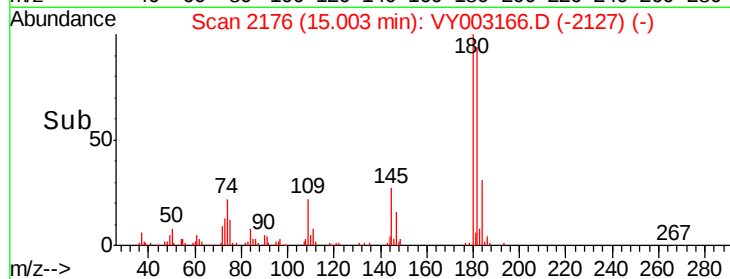
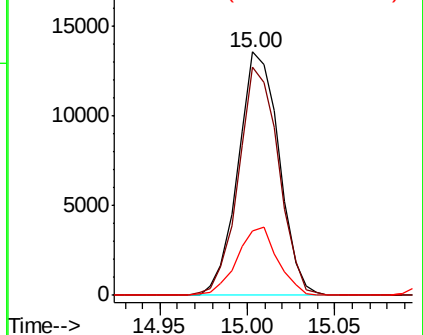
#93
 1,2,4-Trichlorobenzene
 Concen: 3.407 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:180 Resp: 22044
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.3 142.0
 145 27.6 13.7 41.1

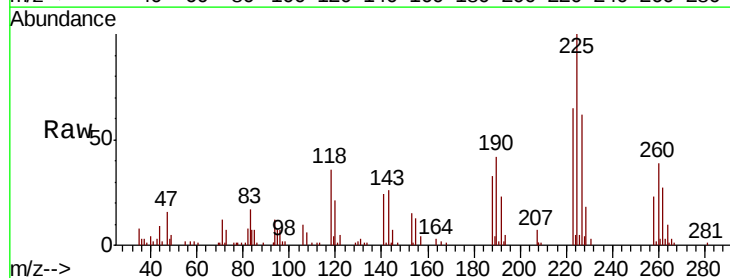


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

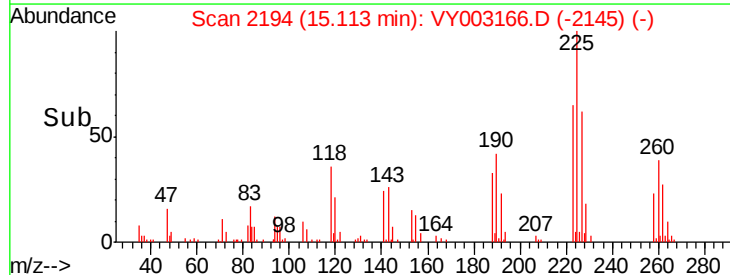
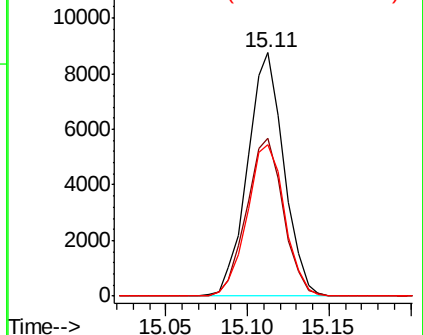


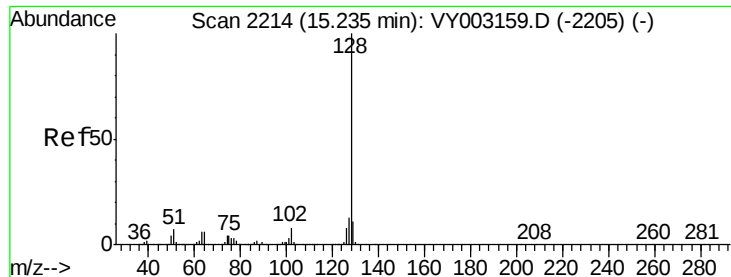
#94
 Hexachlorobutadiene
 Concen: 3.065 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003166.D
 Acq: 10 Jul 2020 16:20

Tgt Ion:225 Resp: 13589
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.6 94.7
 227 64.3 32.3 96.8



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

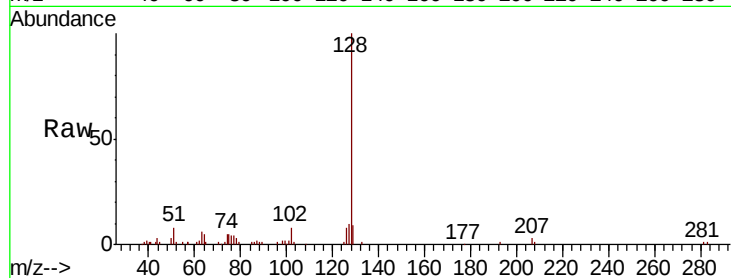




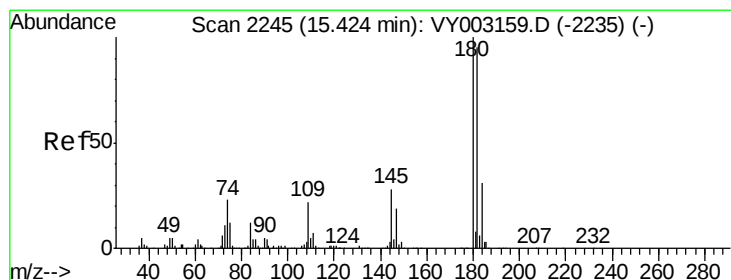
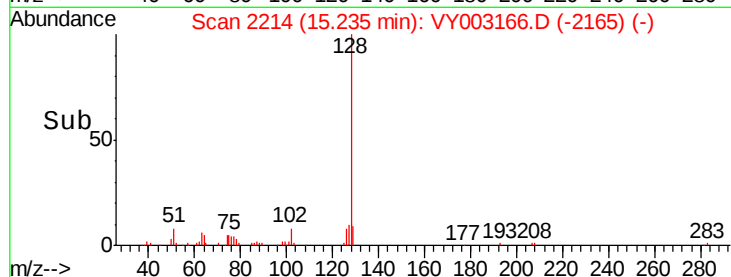
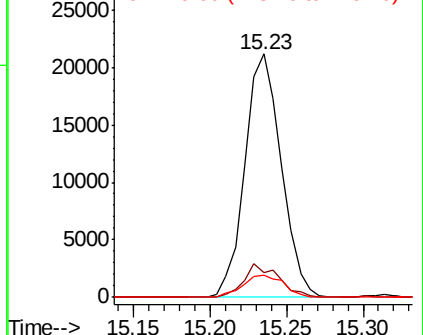
#95
Naphthalene
Concen: 3.277 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:128 Resp: 35034
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 10.5 9.0 13.6

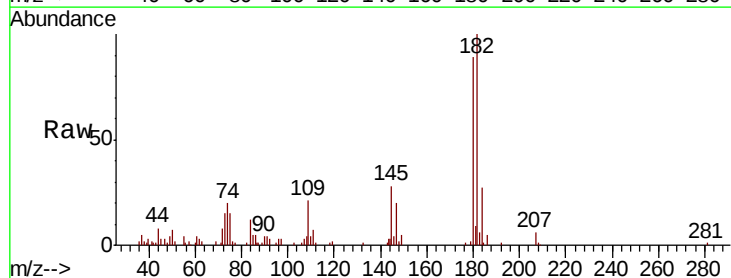


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.564 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003166.D
Acq: 10 Jul 2020 16:20

Tgt Ion:180 Resp: 18226
Ion Ratio Lower Upper
180 100
182 97.3 48.8 146.3
145 31.4 14.9 44.5



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

