

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002622.D
 Acq On : 07 May 2020 11:46
 Operator : SY/MD
 Sample : L2182-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Quant Time: May 07 13:16:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	360890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	537646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	489585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	252131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	148254	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.74	113	153437	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.19	98	608436	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.49	95	204475	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	6781	2.474	ug/l	85
3) Chloromethane	2.12	50	8027	2.745	ug/l	97
4) Vinyl Chloride	2.26	62	8622	2.554	ug/l	93
5) Bromomethane	2.66	94	7111	3.054	ug/l	88
6) Chloroethane	2.81	64	5605	2.780	ug/l #	86
7) Trichlorofluoromethane	3.14	101	13578	2.595	ug/l	95
8) Diethyl Ether	3.55	74	4827	2.745	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	8414	2.631	ug/l	99
10) Methyl Iodide	4.11	142	9841	2.259	ug/l	98
11) Tert butyl alcohol	4.97	59	5517	17.672	ug/l #	85
12) 1,1-Dichloroethene	3.89	96	8457	2.722	ug/l	93
13) Acrolein	3.75	56	2236	10.358	ug/l	87
14) Allyl chloride	4.50	41	11830	2.613	ug/l	99
15) Acrylonitrile	5.19	53	10541	12.712	ug/l	96
16) Acetone	3.96	43	8736	13.950	ug/l	99
17) Carbon Disulfide	4.21	76	24168	2.586	ug/l	99
18) Methyl Acetate	4.50	43	6494	3.104	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	20644	2.547	ug/l	94
20) Methylene Chloride	4.74	84	13465	3.845	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	9076	2.673	ug/l	94
22) Diisopropyl ether	6.14	45	23882	2.608	ug/l #	90
23) Vinyl Acetate	6.09	43	69823	12.122	ug/l	100
24) 1,1-Dichloroethane	6.05	63	14200	2.621	ug/l	98
25) 2-Butanone	7.01	43	14171	13.824	ug/l	94
26) 2,2-Dichloropropane	7.00	77	15326	2.976	ug/l	94
27) cis-1,2-Dichloroethene	7.01	96	9986	2.658	ug/l	92
28) Bromochloromethane	7.35	49	5805	2.615	ug/l	100
29) Tetrahydrofuran	7.37	42	9121	13.448	ug/l	99
30) Chloroform	7.53	83	15150	2.689	ug/l	94
31) Cyclohexane	7.80	56	19024	3.488	ug/l #	63
32) 1,1,1-Trichloroethane	7.72	97	13786	2.633	ug/l	95
36) 1,1-Dichloropropene	7.93	75	12092	2.683	ug/l	98
37) Ethyl Acetate	7.10	43	6453	2.786	ug/l	97
38) Carbon Tetrachloride	7.92	117	12773	2.596	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	15914	2.673	ug/l	95
40) Benzene	8.18	78	34522	2.652	ug/l	99
41) Methacrylonitrile	7.37	41	8477	6.807	ug/l #	23
42) 1,2-Dichloroethane	8.25	62	9861	2.701	ug/l	96
43) Isopropyl Acetate	8.28	43	10745	2.475	ug/l	98
44) Trichloroethene	8.95	130	10805	2.656	ug/l	95
45) 1,2-Dichloropropane	9.23	63	8388	2.670	ug/l	92
46) Dibromomethane	9.31	93	4610	2.550	ug/l	95
47) Bromodichloromethane	9.50	83	11362	2.585	ug/l	92
48) Methyl methacrylate	9.30	41	4637	2.360	ug/l	95
49) 1,4-Dioxane	9.31	88	1327	55.445	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	33346	14.900	ug/l	100
52) Toluene	10.25	92	22082	2.639	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	11752	2.552	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	13137	2.468	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	7243	2.748	ug/l	96
56) Ethyl methacrylate	10.52	69	8581	2.447	ug/l	98
57) 1,3-Dichloropropane	10.80	76	12291	2.749	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	23957	12.955	ug/l	97
59) 2-Hexanone	10.84	43	19101	12.400	ug/l	97
60) Dibromochloromethane	10.99	129	8309	2.478	ug/l	98
61) 1,2-Dibromoethane	11.10	107	6907	2.646	ug/l	95
64) Tetrachloroethene	10.73	164	12711	2.922	ug/l	97
65) Chlorobenzene	11.52	112	25263	2.714	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	9131	2.643	ug/l	97
67) Ethyl Benzene	11.60	91	42747	2.615	ug/l	95
68) m/p-Xylenes	11.70	106	33744	5.335	ug/l	97
69) o-Xylene	12.03	106	15217	2.569	ug/l	98
70) Styrene	12.05	104	25562	2.525	ug/l	99
71) Bromoform	12.21	173	5409	2.523	ug/l #	99
73) Isopropylbenzene	12.33	105	42855	2.623	ug/l	98
74) N-amyl acetate	12.15	43	9861	2.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	6444	2.480	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	10229	4.565	ug/l #	100
77) Bromobenzene	12.61	156	10834	2.654	ug/l	98
78) n-propylbenzene	12.67	91	50321	2.654	ug/l	99
79) 2-Chlorotoluene	12.76	91	27864	2.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	34640	2.557	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.49	75	99699	89.224	ug/l #	15
82) 4-Chlorotoluene	12.86	91	29751	2.696	ug/l	98
83) tert-Butylbenzene	13.08	119	31266	2.633	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	35456	2.627	ug/l	99
85) sec-Butylbenzene	13.26	105	44240	2.684	ug/l	99
86) p-Isopropyltoluene	13.38	119	41515	2.688	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	21749	2.815	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	21884	2.860	ug/l	89
89) n-Butylbenzene	13.70	91	38975	2.773	ug/l	99
90) Hexachloroethane	13.97	117	7708	2.741	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	19455	2.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1342	2.770	ug/l	97

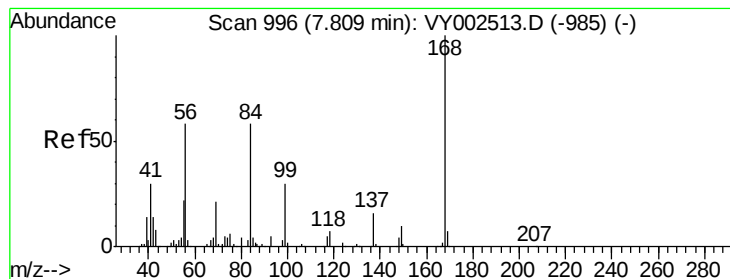
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	15884	3.173	ug/l	100
94) Hexachlorobutadiene	15.12	225	8795	2.927	ug/l	97
95) Naphthalene	15.24	128	29920	3.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	14622	3.441	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

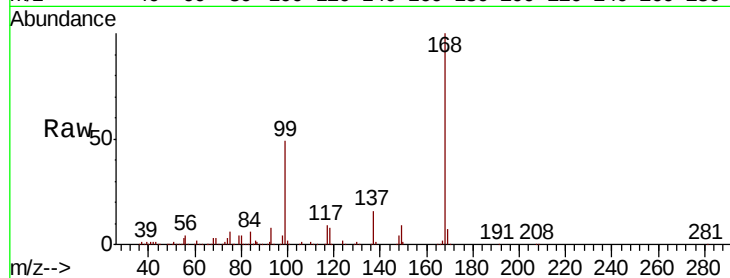
MDL-SOIL-03-QT2-2020DL

Tot Ion:168 Resp: 360890

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

150000

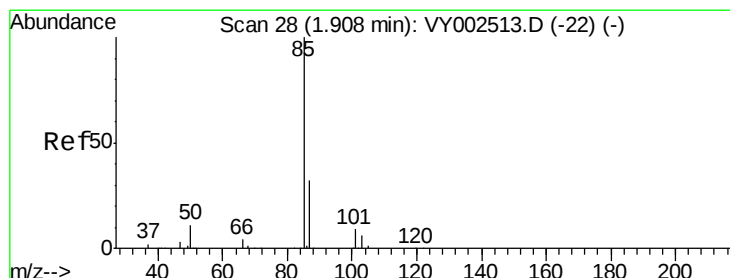
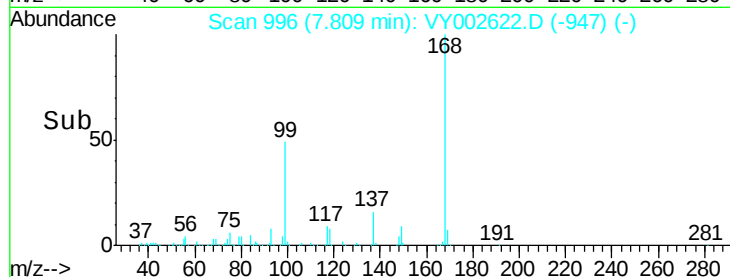
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.474 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002622.D

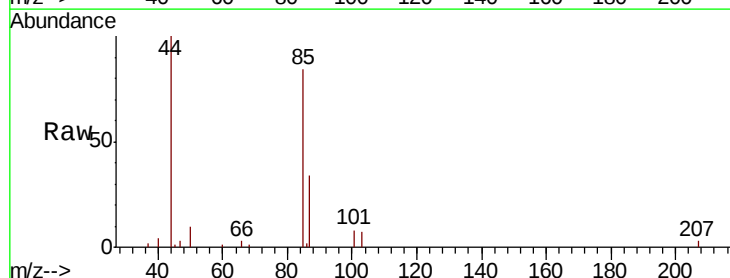
Acq: 07 May 2020 11:46

Tgt Ion: 85 Resp: 6781

Ion Ratio Lower Upper

85 100

87 40.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

5000

4000

3000

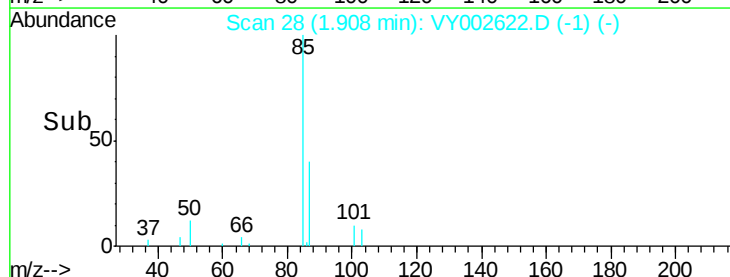
2000

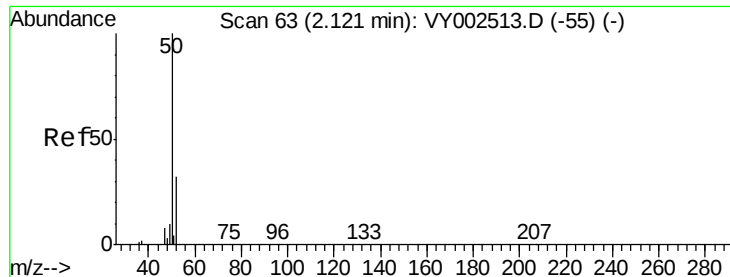
1000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 2.745 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

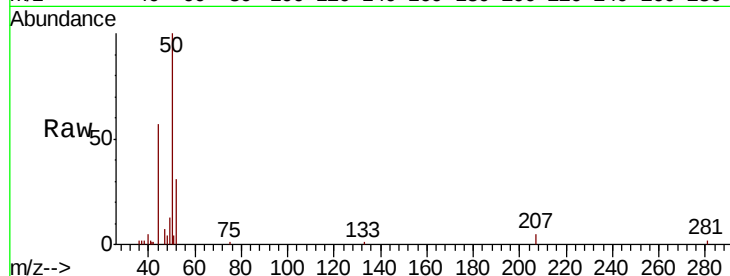
MDL-SOIL-03-QT2-2020DL

Tot Ion: 50 Resp: 8027

Ion Ratio Lower Upper

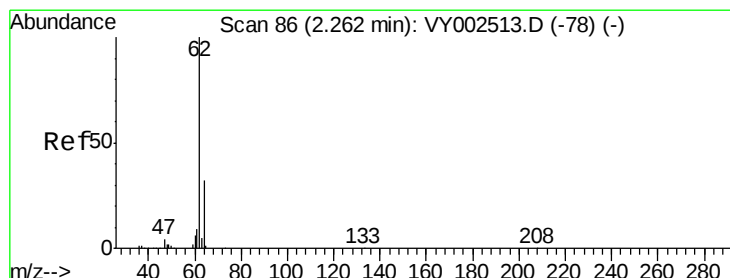
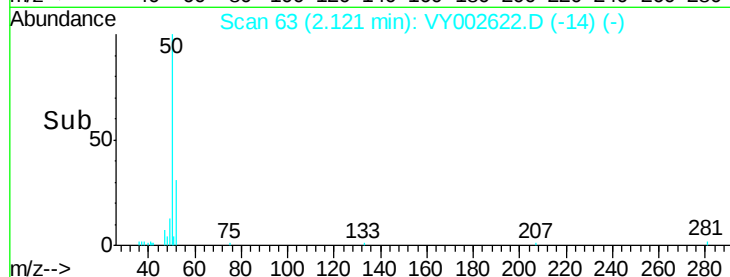
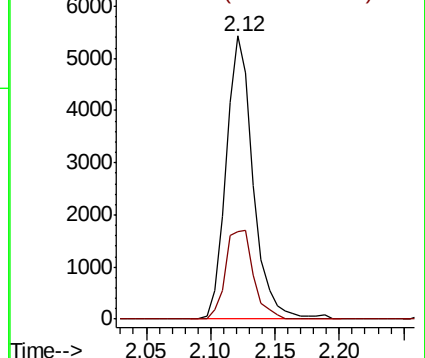
50 100

52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.554 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002622.D

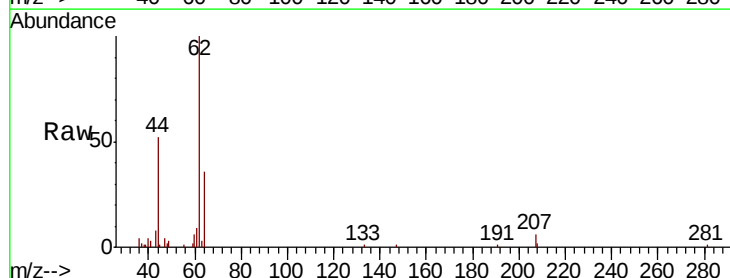
Acq: 07 May 2020 11:46

Tgt Ion: 62 Resp: 8622

Ion Ratio Lower Upper

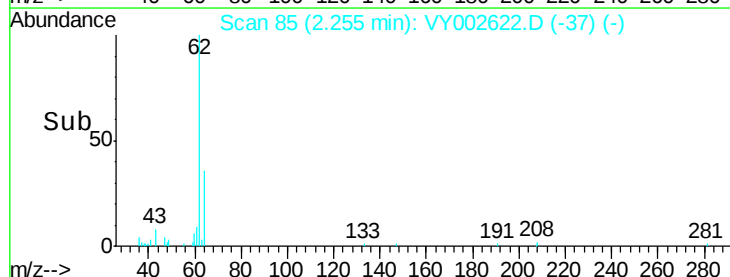
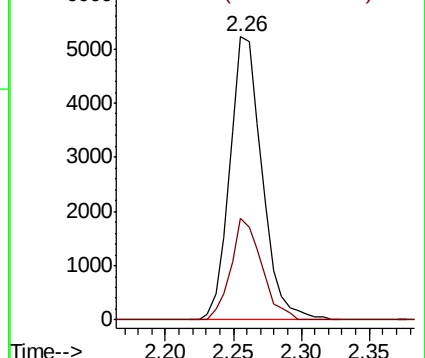
62 100

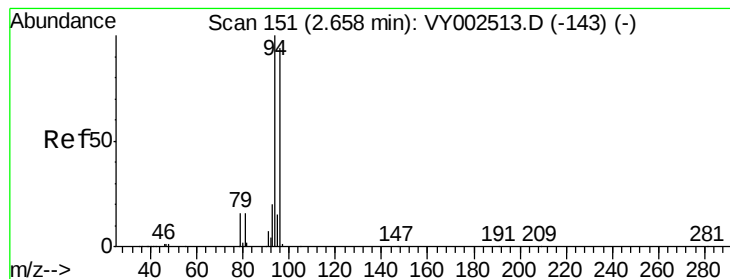
64 35.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.054 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

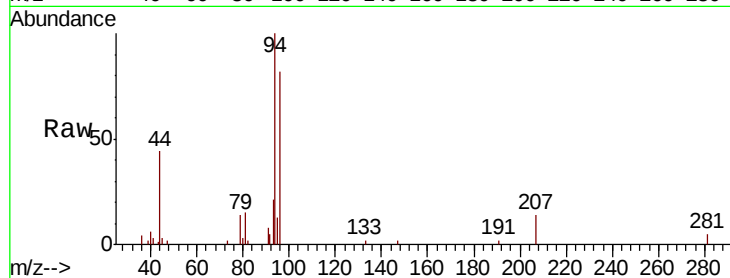
MDL-SOIL-03-QT2-2020DL

Tot Ion: 94 Resp: 7111

Ion Ratio Lower Upper

94 100

96 81.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

4000

3000

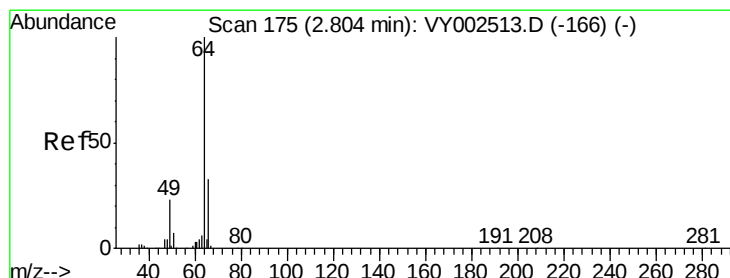
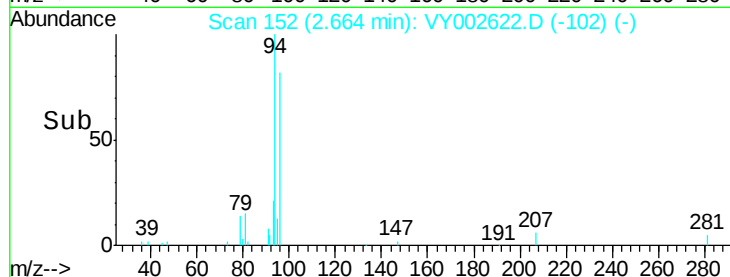
2000

1000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 2.780 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002622.D

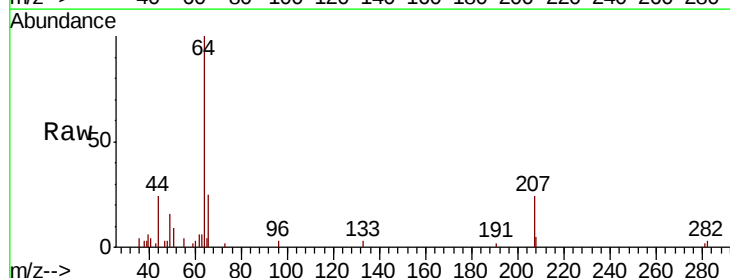
Acq: 07 May 2020 11:46

Tgt Ion: 64 Resp: 5605

Ion Ratio Lower Upper

64 100

66 25.2 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

3000

2500

2000

1500

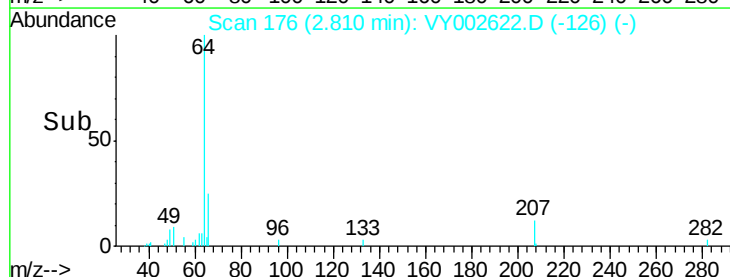
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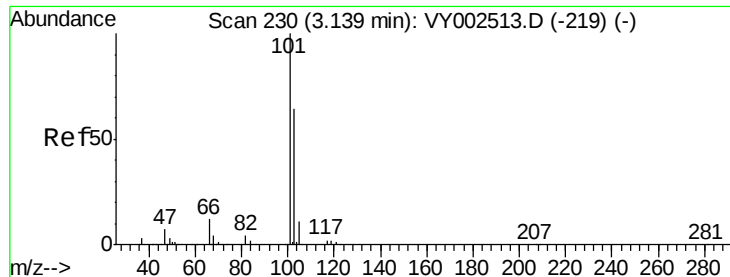
500

0

Time-->

2.75 2.80 2.85 2.90



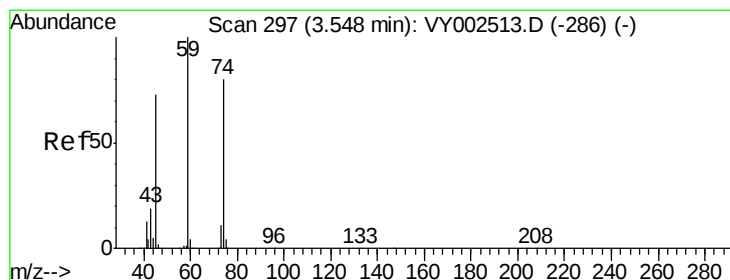
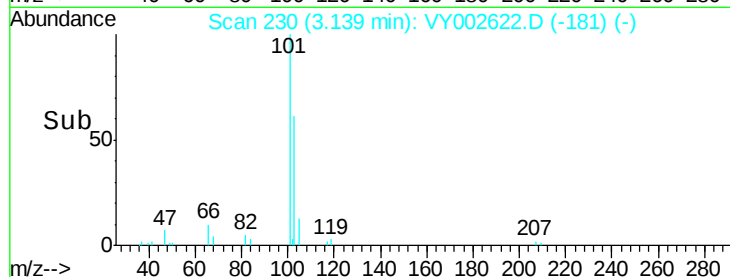
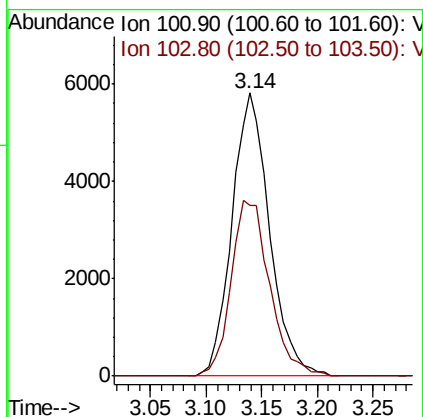
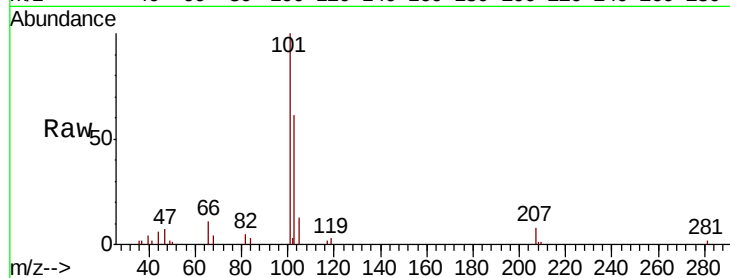


#7

Trichlorofluoromethane
Concen: 2.595 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
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MDL-SOIL-03-QT2-2020DL

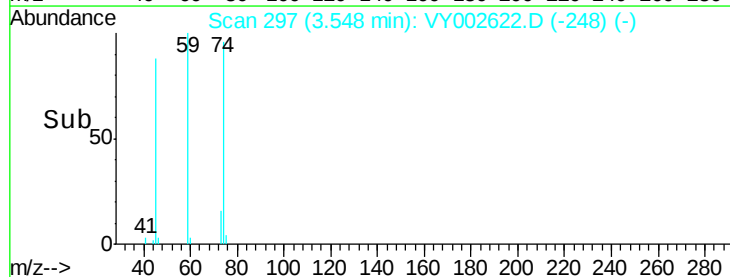
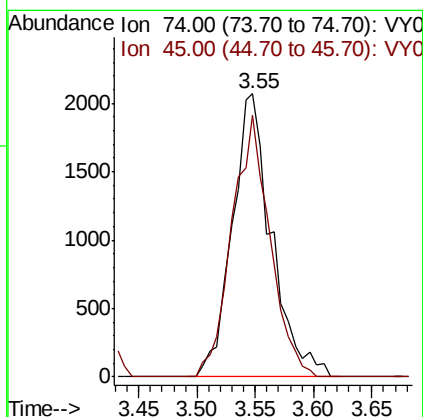
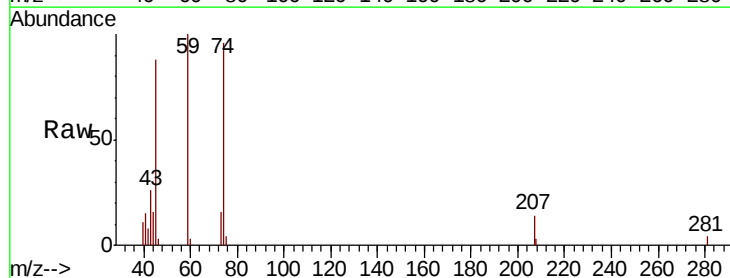
Tot Ion:101 Resp: 13578
Ion Ratio Lower Upper
101 100
103 60.5 51.4 77.0

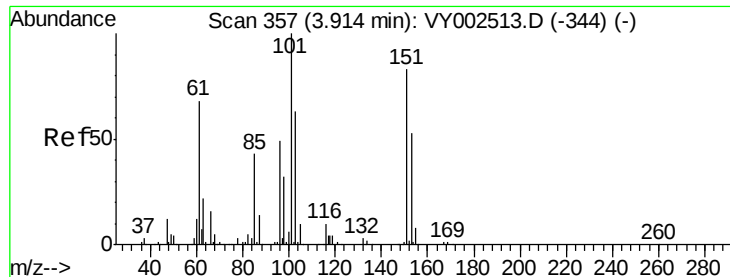


#8

Diethyl Ether
Concen: 2.745 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 74 Resp: 4827
Ion Ratio Lower Upper
74 100
45 90.0 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.631 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

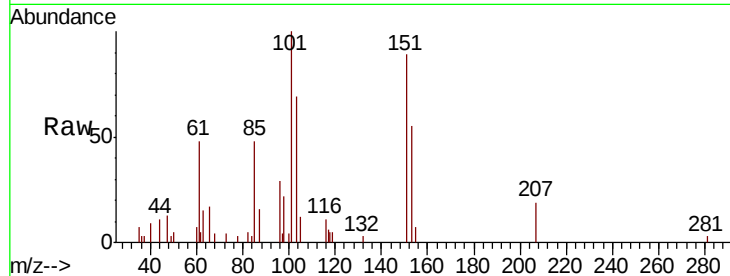
Tot Ion:101 Resp: 8414

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.2

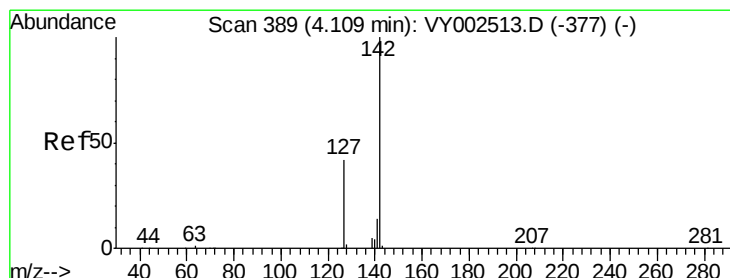
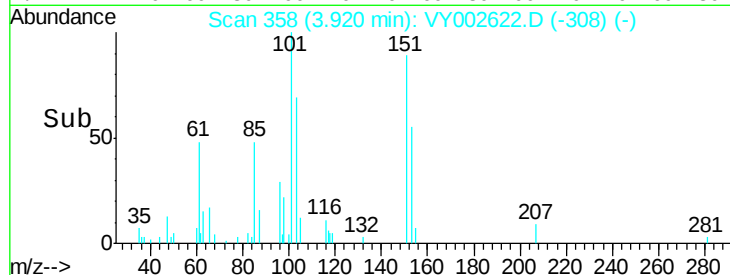
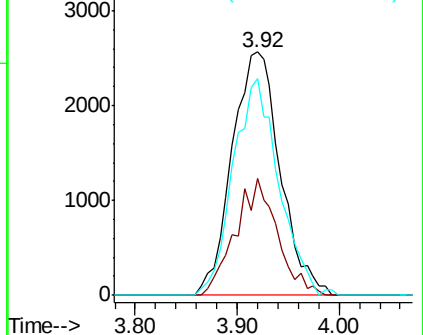
151 84.4 66.8 100.2



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: 2.259 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

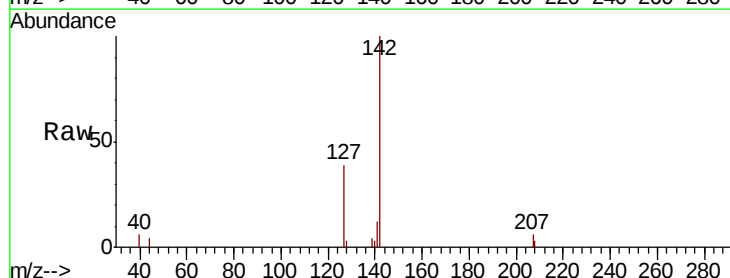
Tgt Ion:142 Resp: 9841

Ion Ratio Lower Upper

142 100

127 43.7 33.7 50.5

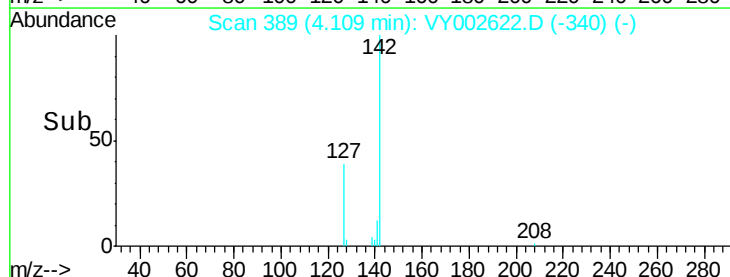
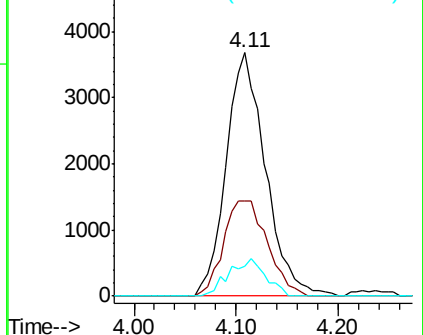
141 14.3 11.4 17.0

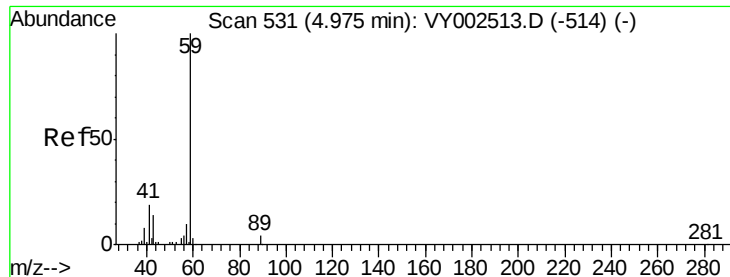


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



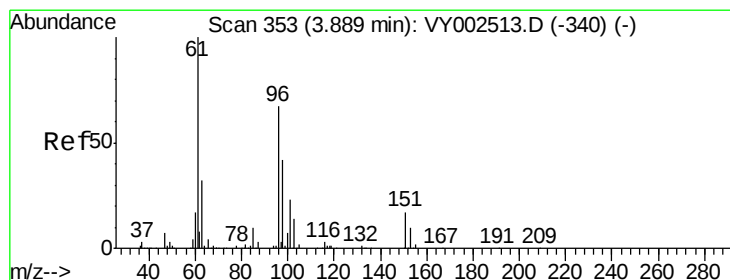
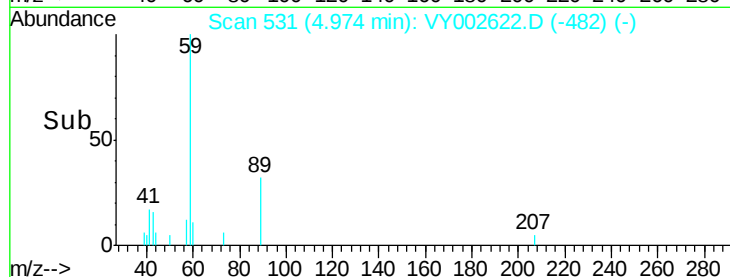
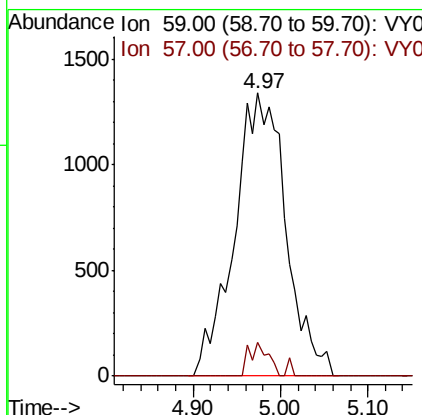
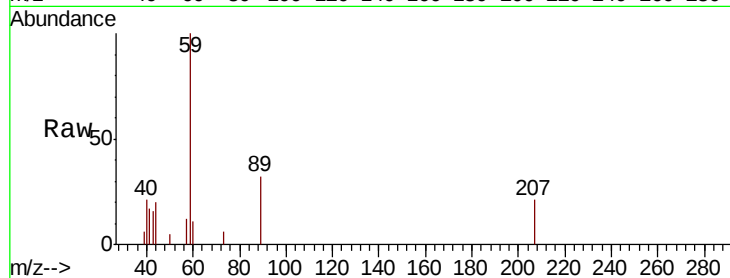


#11

Tert butyl alcohol
 Concen: 17.672 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

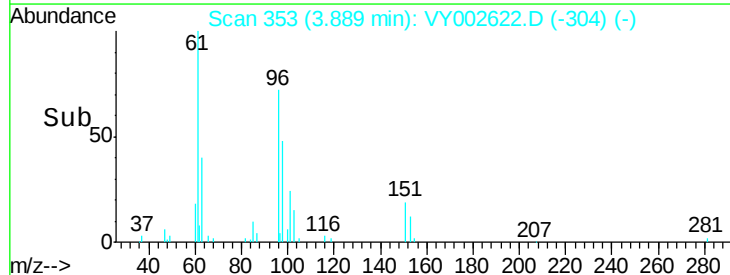
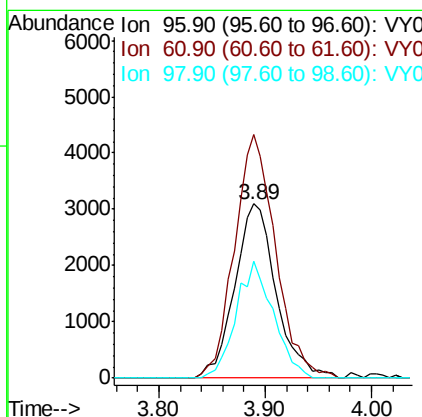
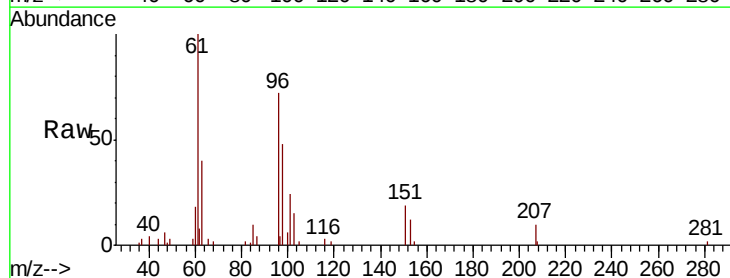
Tot Ion: 59 Resp: 5517
 Ion Ratio Lower Upper
 59 100
 57 4.3 7.8 11.6#

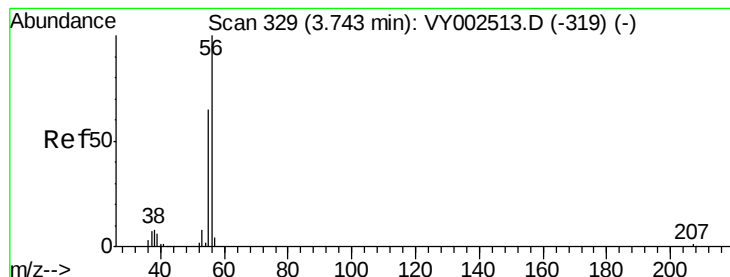


#12

1,1-Dichloroethene
 Concen: 2.722 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion: 96 Resp: 8457
 Ion Ratio Lower Upper
 96 100
 61 139.8 118.8 178.2
 98 67.1 49.6 74.4





#13

Acrolein

Concen: 10.358 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

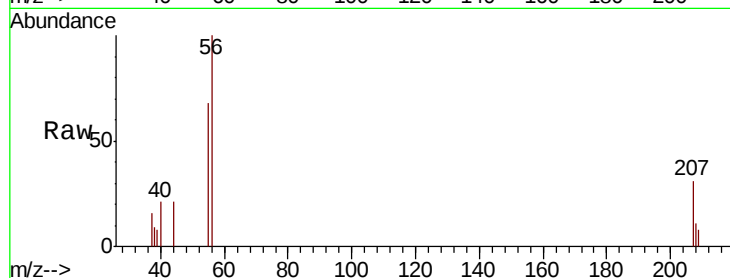
MDL-SOIL-03-QT2-2020DL

Tot Ion: 56 Resp: 2236

Ion Ratio Lower Upper

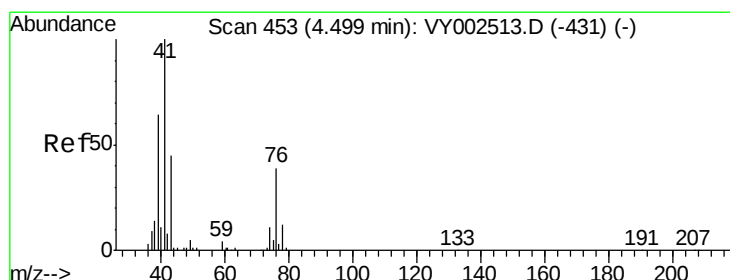
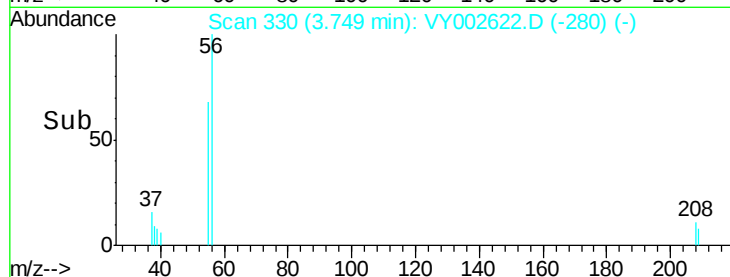
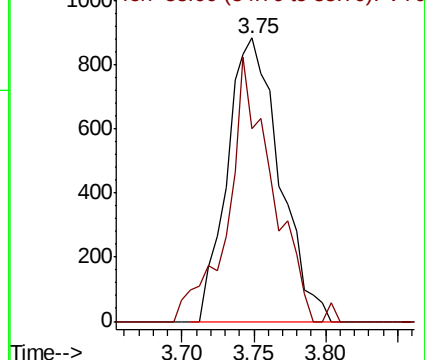
56 100

55 77.6 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 2.613 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

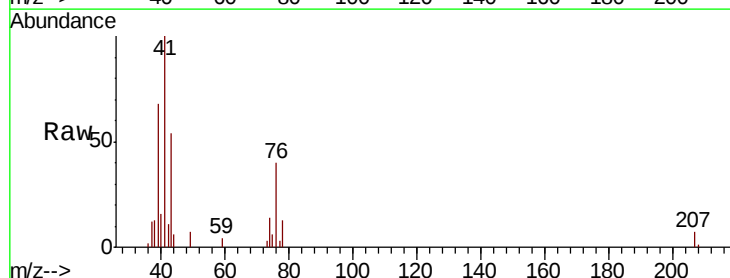
Tgt Ion: 41 Resp: 11830

Ion Ratio Lower Upper

41 100

39 64.8 51.8 77.6

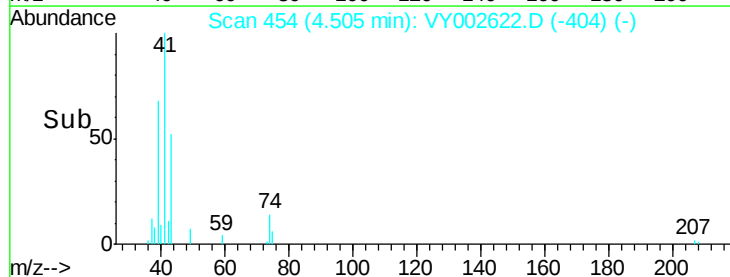
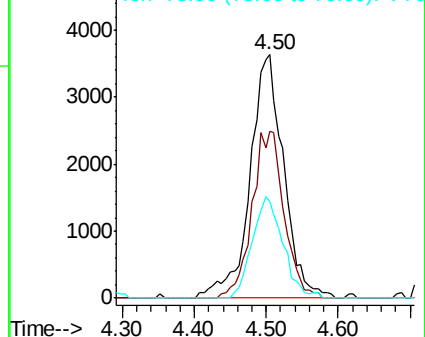
76 38.0 31.7 47.5

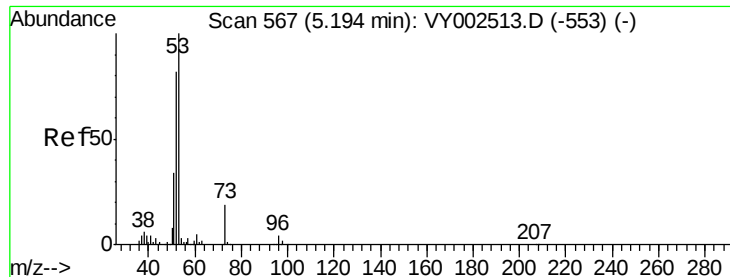


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 12.712 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

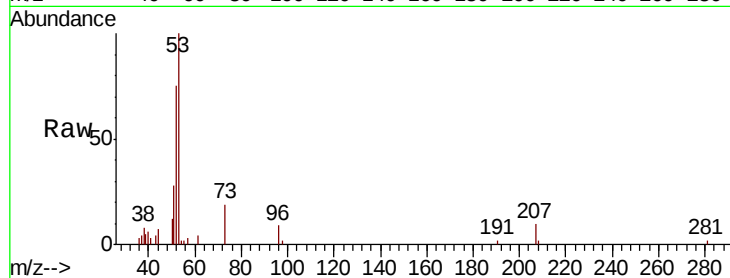
Tot Ion: 53 Resp: 10541

Ion Ratio Lower Upper

53 100

52 85.8 65.4 98.0

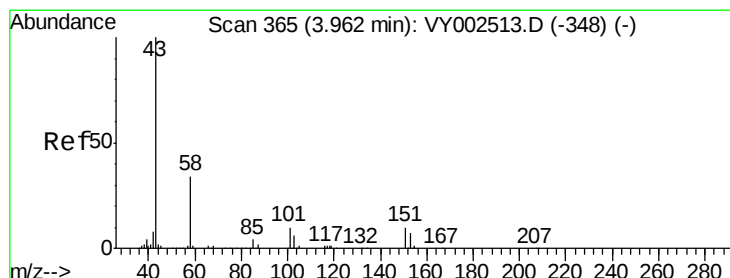
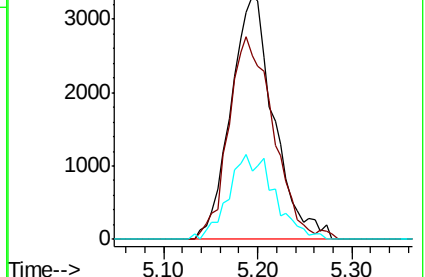
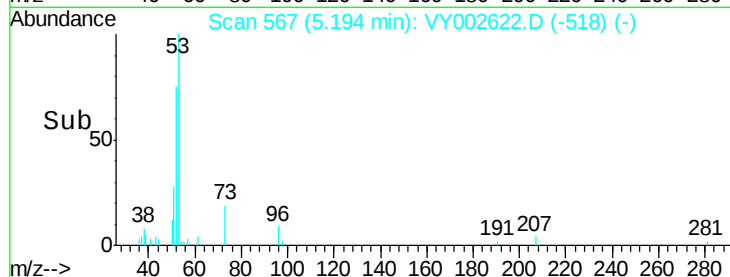
51 37.1 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY002622.D (-518) (-)

Ion 52.00 (51.70 to 52.70): VY002622.D (-518) (-)

Ion 51.00 (50.70 to 51.70): VY002622.D (-518) (-)



#16

Acetone

Concen: 13.950 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002622.D

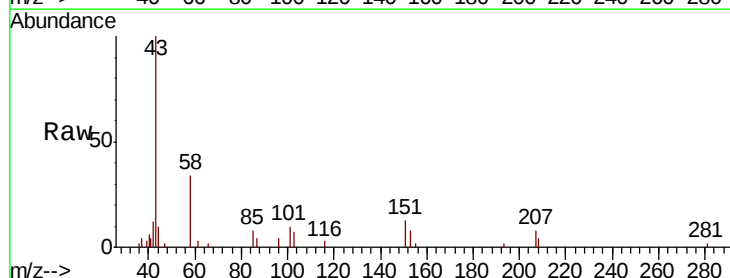
Acq: 07 May 2020 11:46

Tgt Ion: 43 Resp: 8736

Ion Ratio Lower Upper

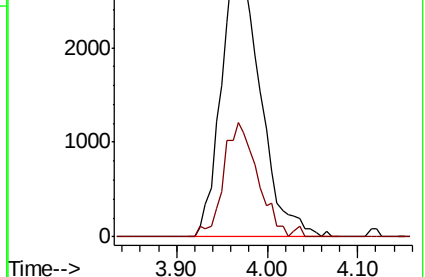
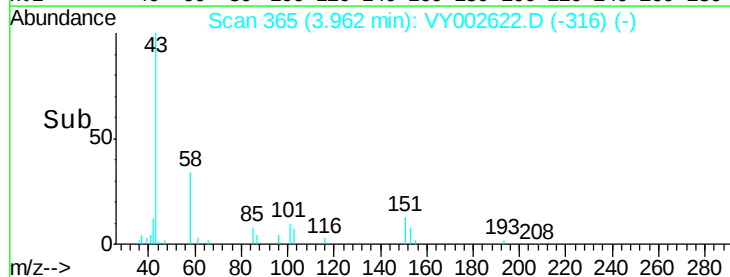
43 100

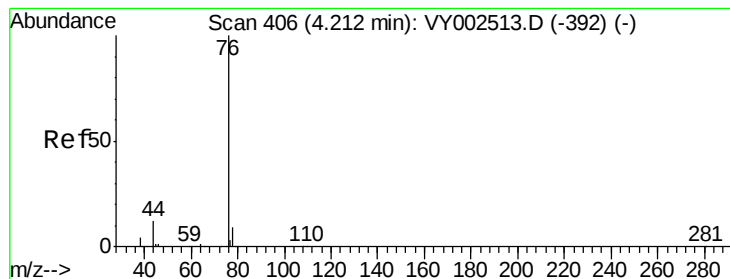
58 33.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002622.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002622.D (-316) (-)





#17

Carbon Disulfide

Concen: 2.586 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

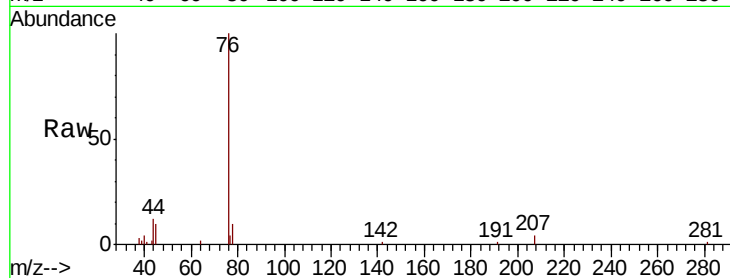
MDL-SOIL-03-QT2-2020DL

Tot Ion: 76 Resp: 24168

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY002622.D (-357) (-)

Ion 77.90 (77.60 to 78.60): VY002622.D (-357) (-)

4.21

8000

6000

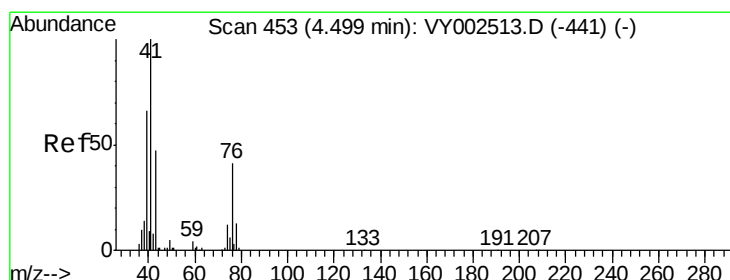
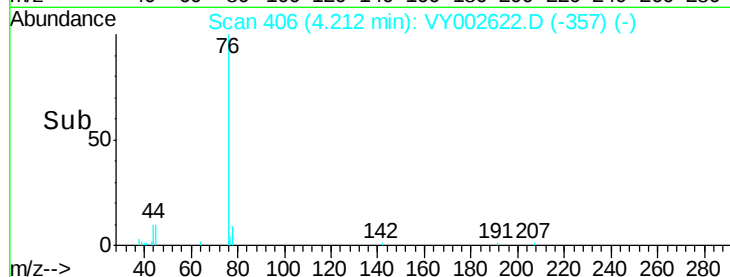
4000

2000

0

Time-->

4.10 4.15 4.20 4.25 4.30



#18

Methyl Acetate

Concen: 3.104 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002622.D

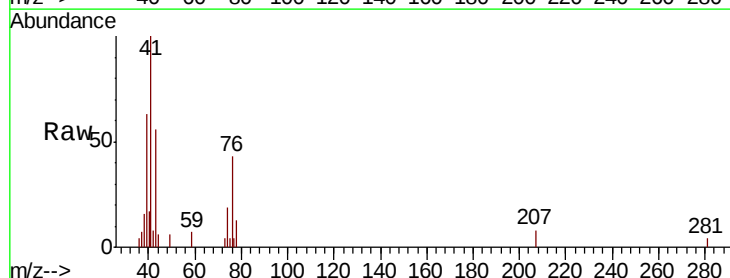
Acq: 07 May 2020 11:46

Tgt Ion: 43 Resp: 6494

Ion Ratio Lower Upper

43 100

74 26.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY002622.D (-404) (-)

Ion 74.00 (73.70 to 74.70): VY002622.D (-404) (-)

4.50

2000

1500

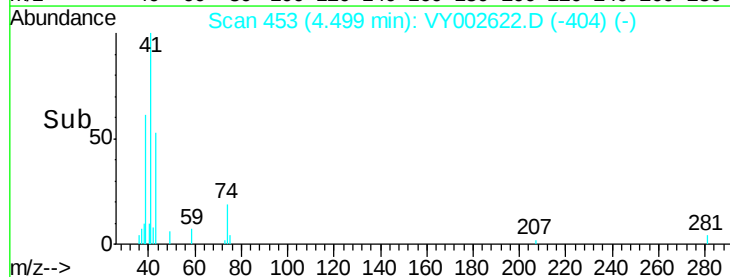
1000

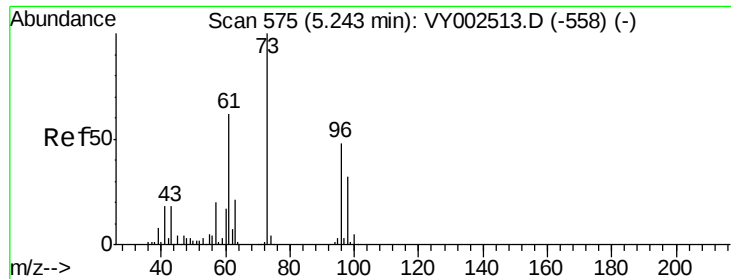
500

0

Time-->

4.40 4.50 4.60

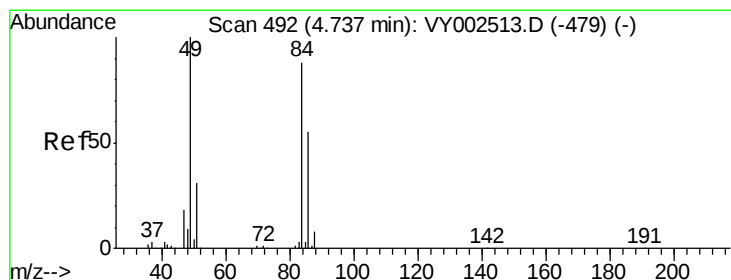
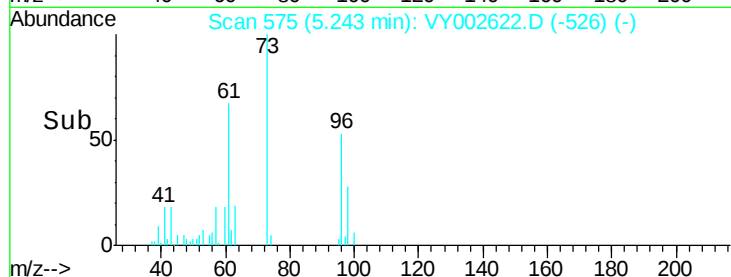
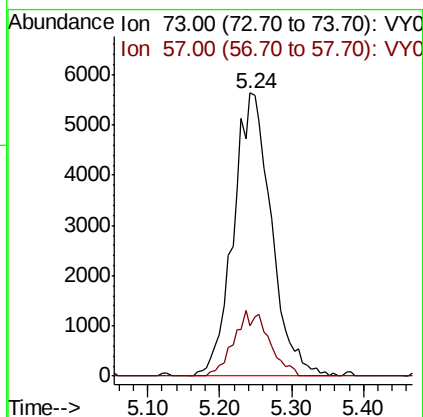
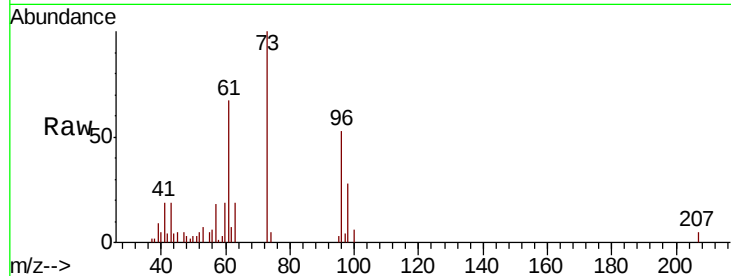




#19
Methyl tert-butyl Ether
Concen: 2.547 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

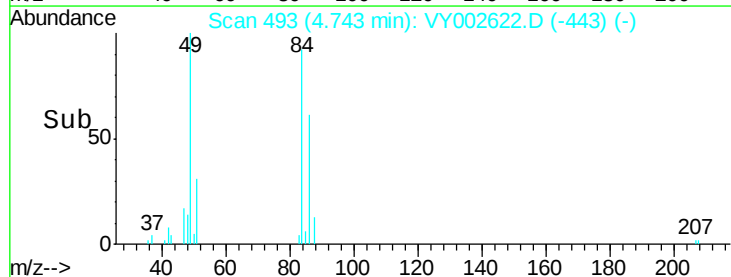
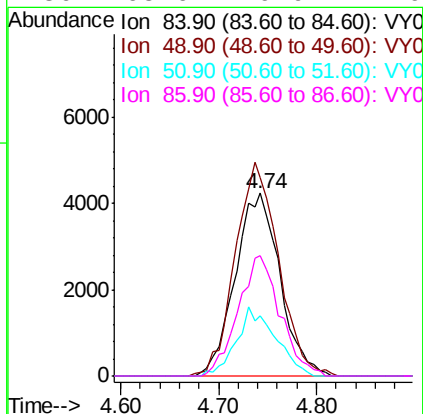
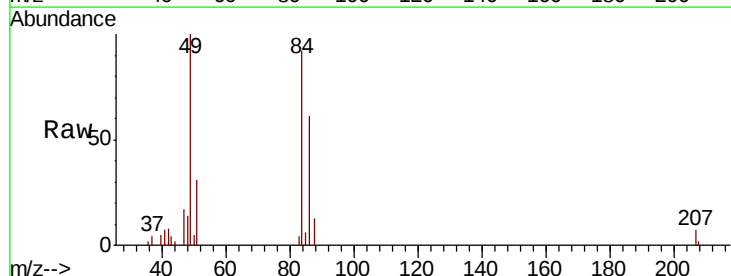
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

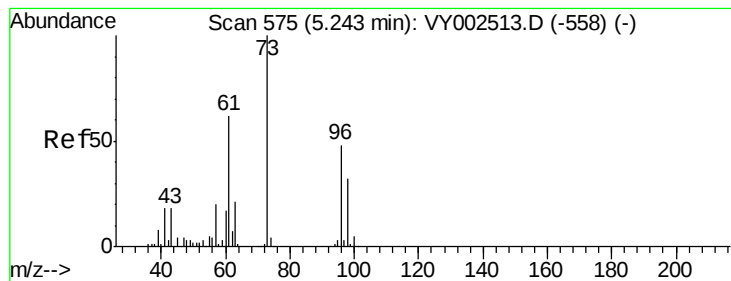
Tot Ion: 73 Resp: 20644
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 3.845 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 84 Resp: 13465
Ion Ratio Lower Upper
84 100
49 108.3 90.5 135.7
51 33.1 28.3 42.5
86 65.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 2.673 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

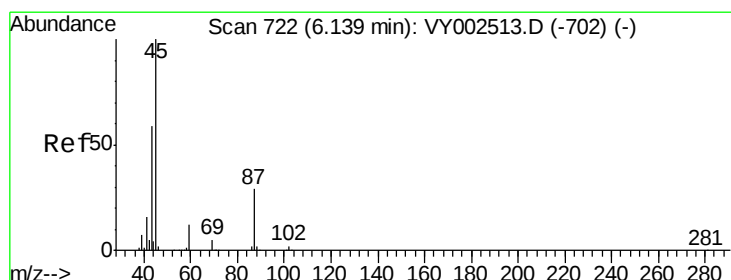
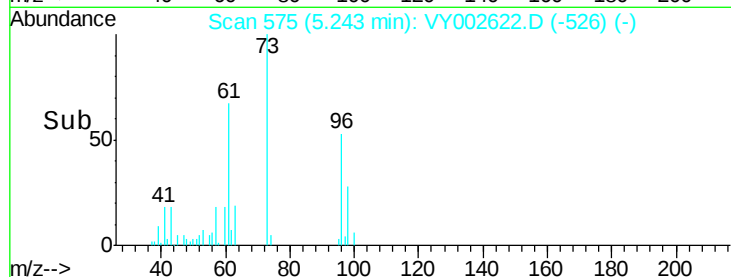
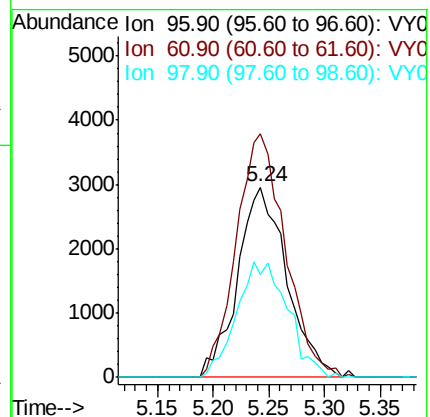
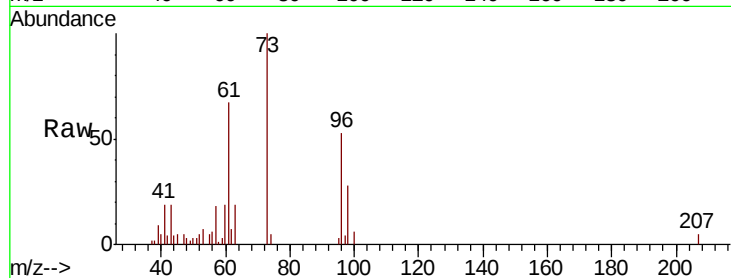
Tot Ion: 96 Resp: 9076

Ion Ratio Lower Upper

96 100

61 128.0 102.0 153.0

98 54.0 53.0 79.4



#22

Diisopropyl ether

Concen: 2.608 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Tgt Ion: 45 Resp: 23882

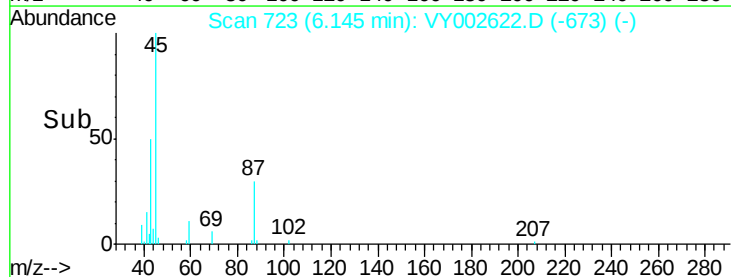
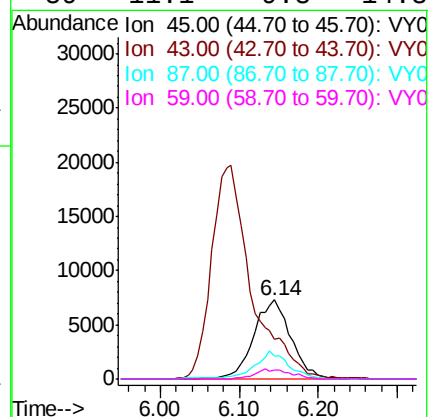
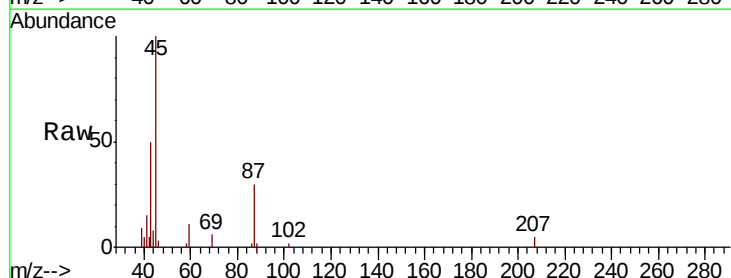
Ion Ratio Lower Upper

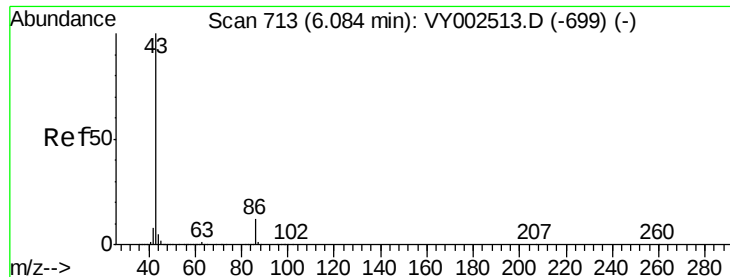
45 100

43 47.3 47.4 71.0#

87 29.9 24.0 36.0

59 11.1 9.8 14.8





#23

Vinyl Acetate

Concen: 12.122 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

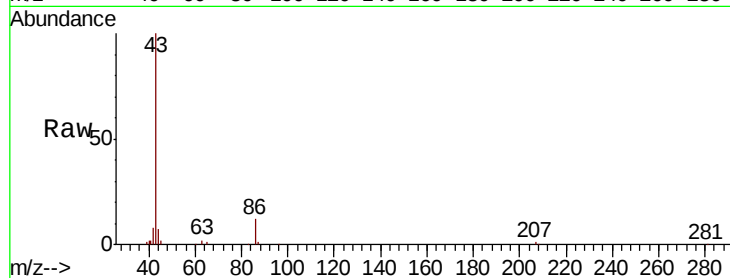
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 69823

Ion Ratio Lower Upper

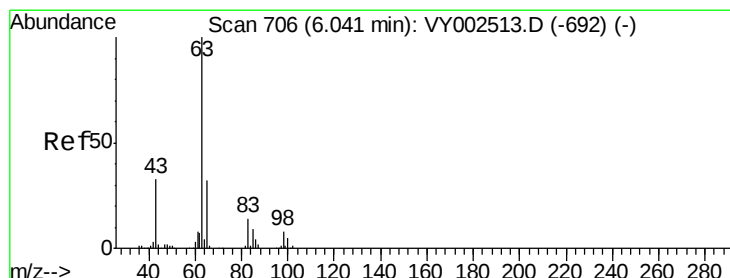
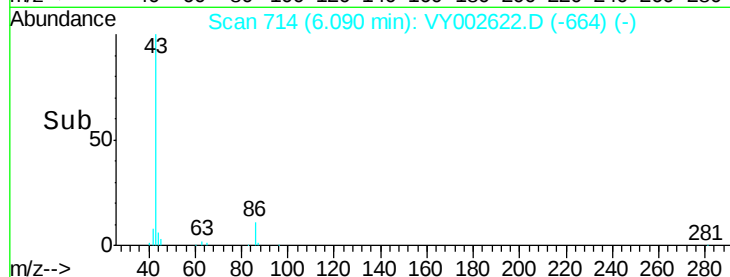
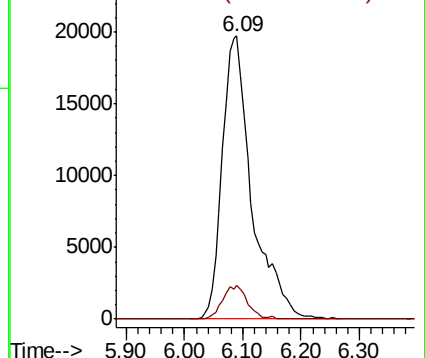
43 100

86 12.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.621 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

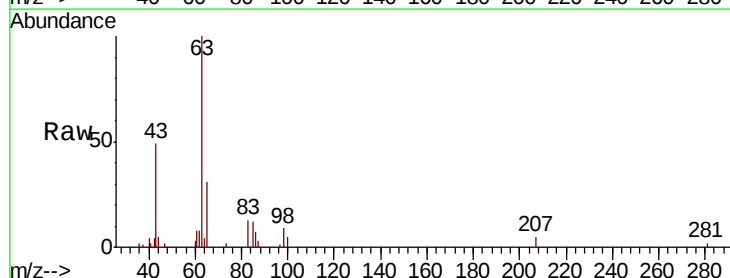
Tgt Ion: 63 Resp: 14200

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.7

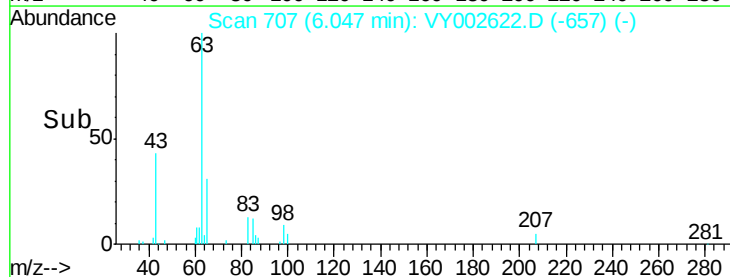
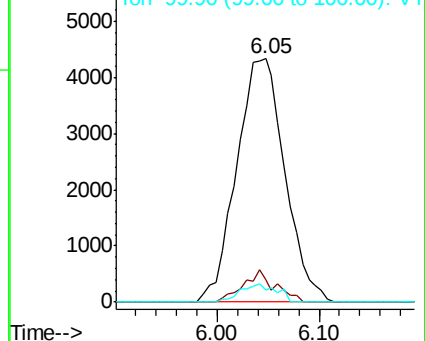
100 4.8 2.4 7.2

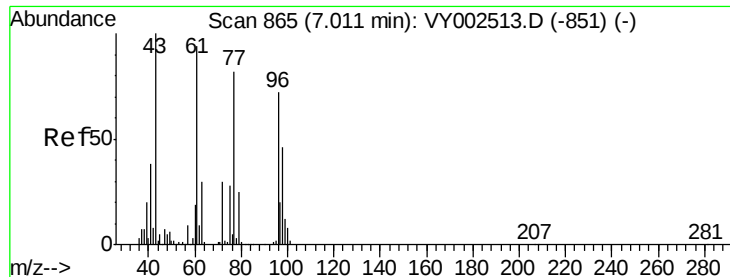


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 13.824 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

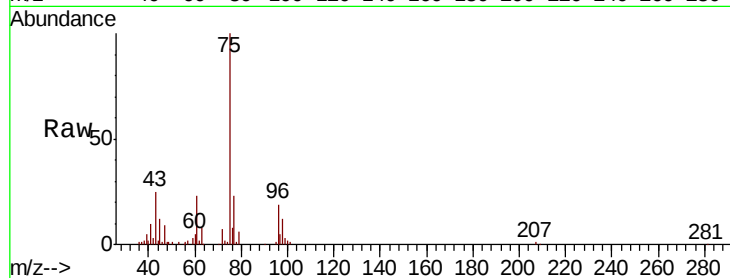
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 14171

Ion Ratio Lower Upper

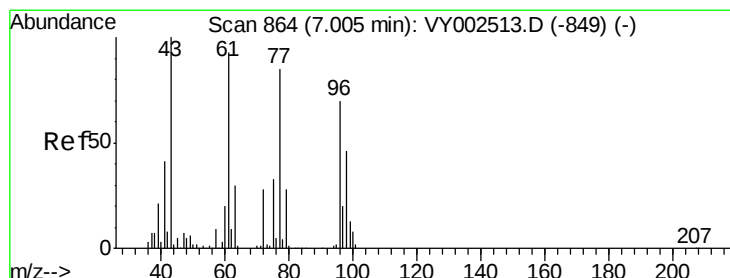
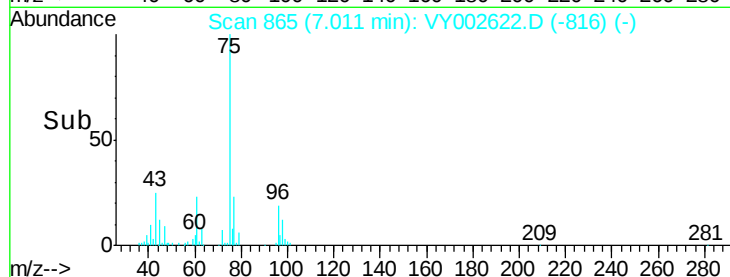
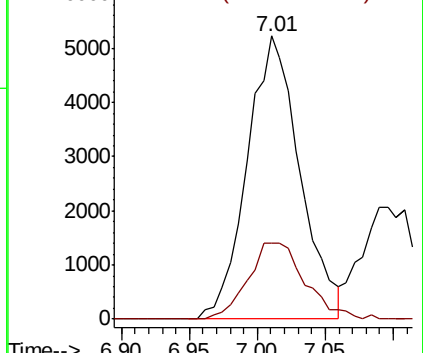
43 100

72 27.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.976 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002622.D

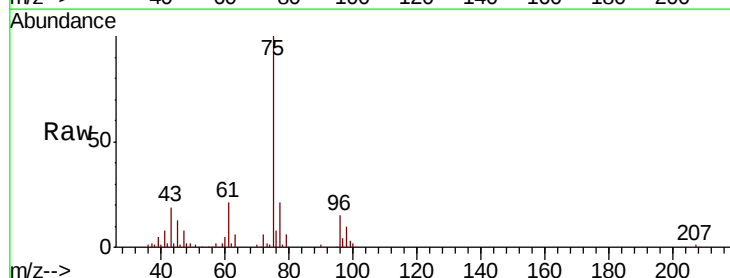
Acq: 07 May 2020 11:46

Tgt Ion: 77 Resp: 15326

Ion Ratio Lower Upper

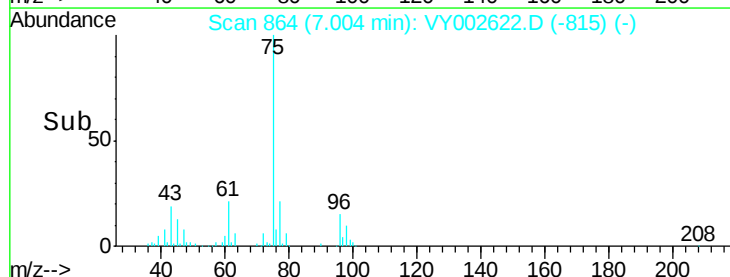
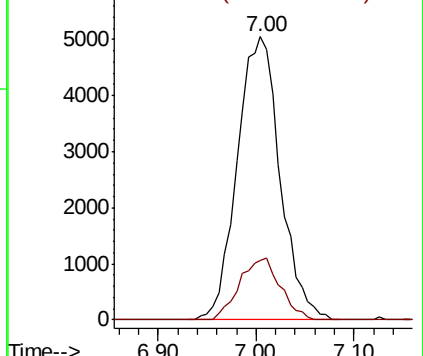
77 100

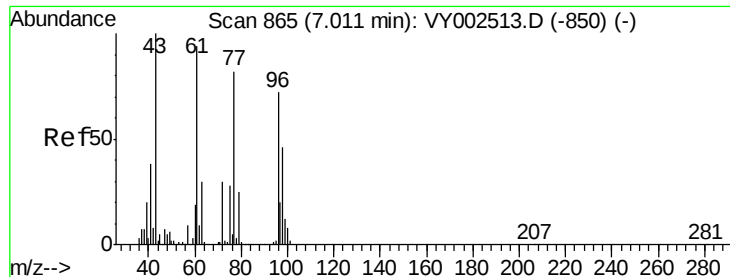
97 20.7 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



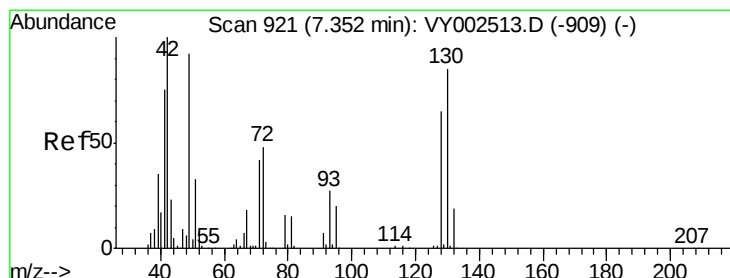
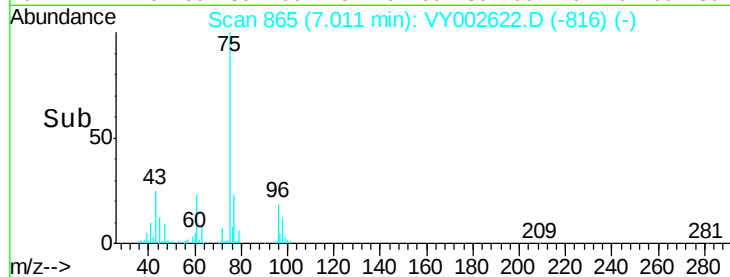
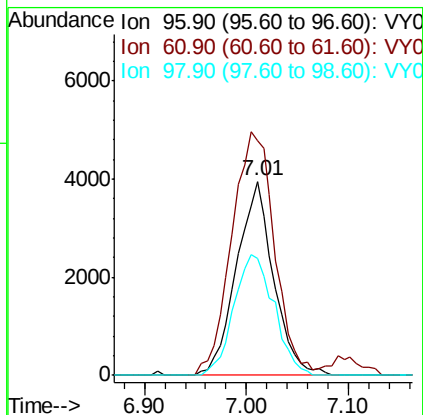
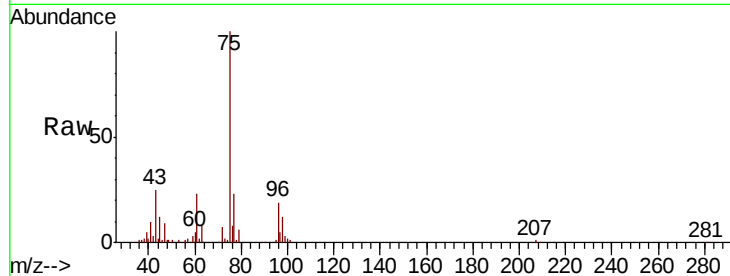


#27

cis-1,2-Dichloroethene
Concen: 2.658 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

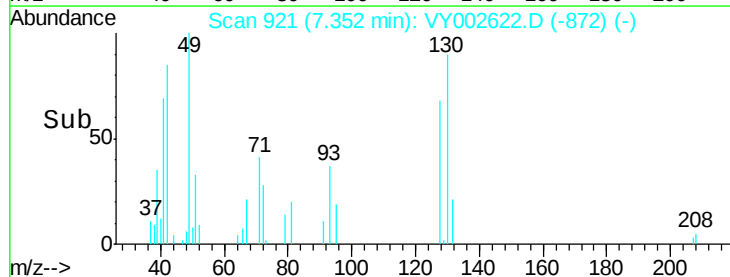
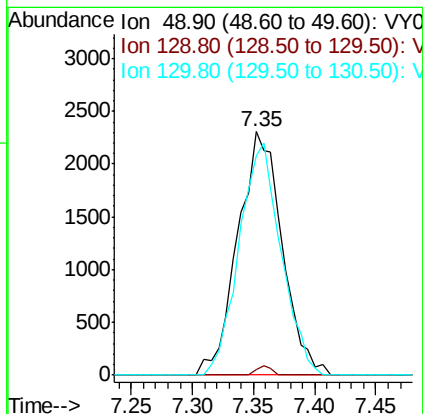
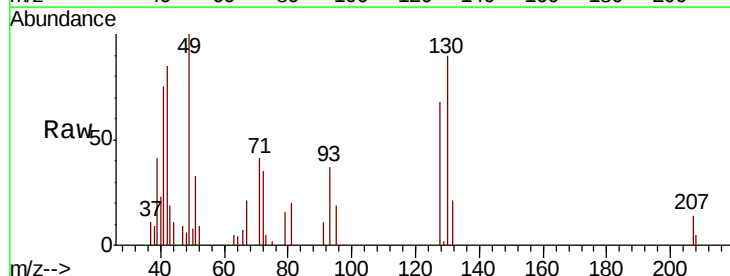
Tot Ion: 96 Resp: 9986
Ion Ratio Lower Upper
96 100
61 145.1 0.0 266.6
98 66.9 0.0 129.2

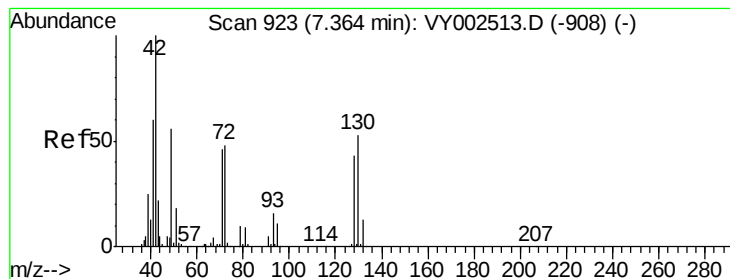


#28

Bromochloromethane
Concen: 2.615 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 49 Resp: 5805
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.8
130 90.3 72.5 108.7





#29

Tetrahydrofuran

Concen: 13.448 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

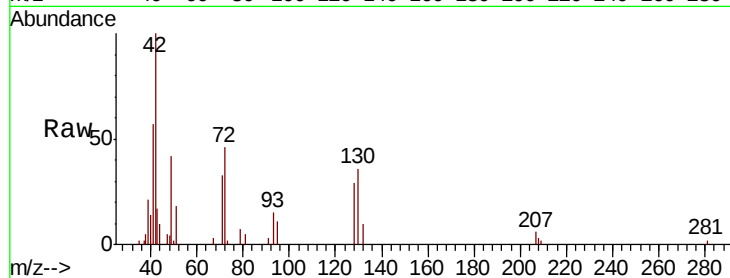
Tot Ion: 42 Resp: 9121

Ion Ratio Lower Upper

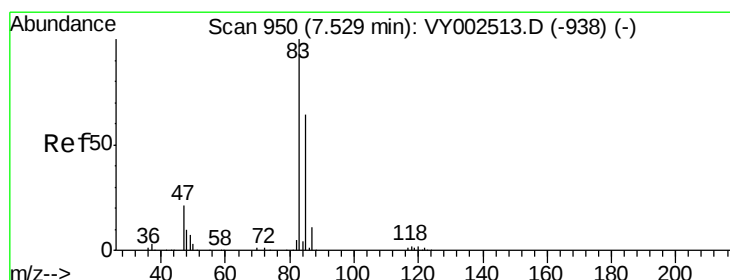
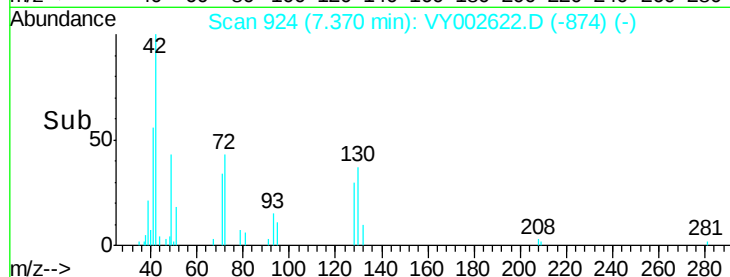
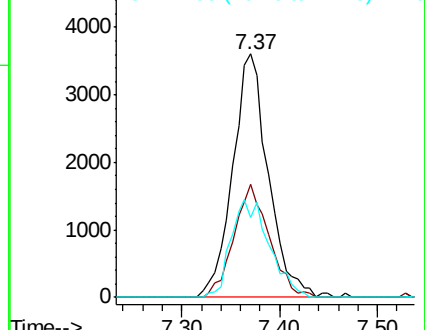
42 100

72 46.0 37.4 56.2

71 43.1 35.0 52.4



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: 2.689 ug/l

RT: 7.53 min Scan# 950

Delta R.T. -0.00 min

Lab File: VY002622.D

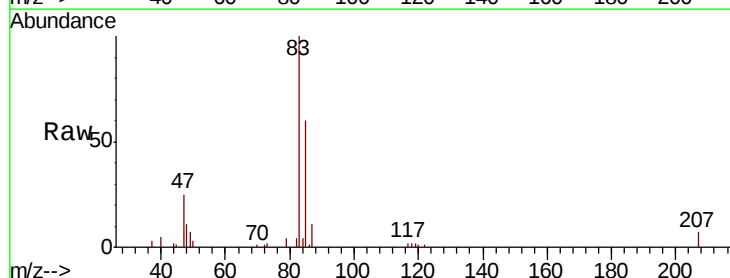
Acq: 07 May 2020 11:46

Tgt Ion: 83 Resp: 15150

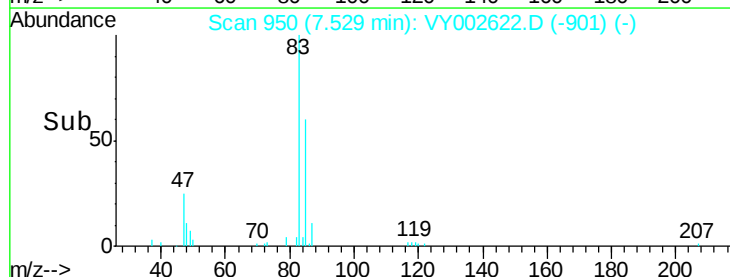
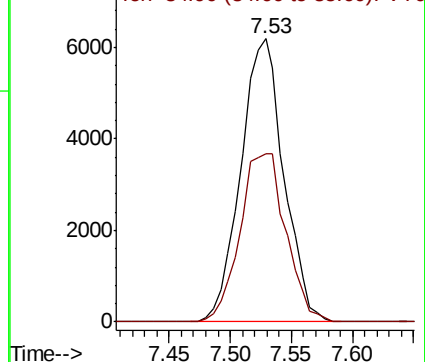
Ion Ratio Lower Upper

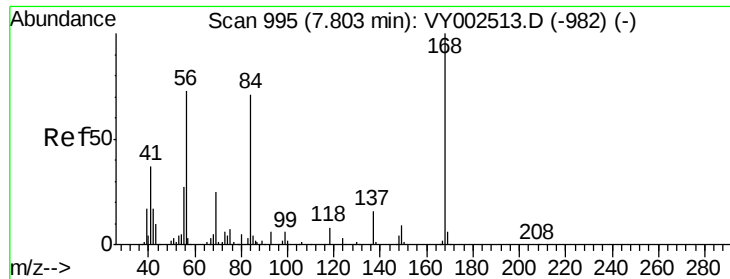
83 100

85 59.5 51.5 77.3



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

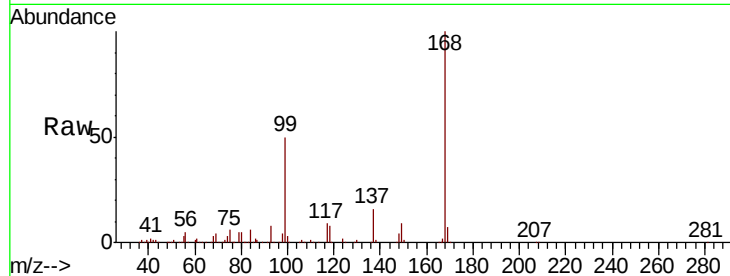




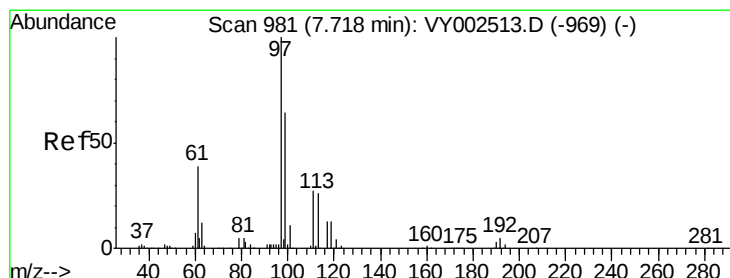
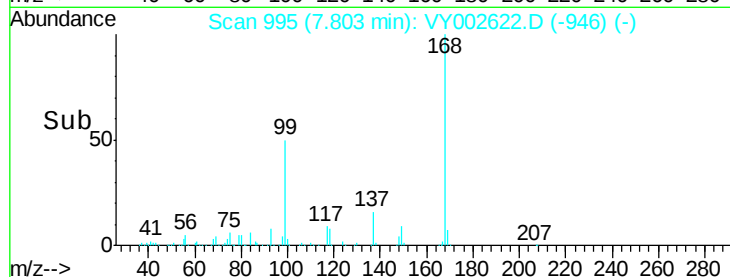
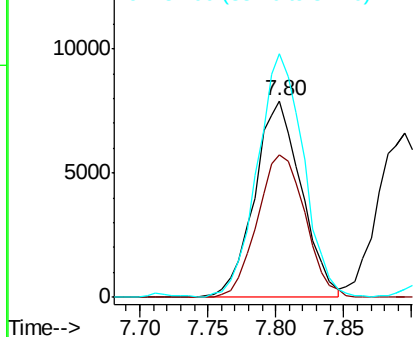
#31
Cyclohexane
Concen: 3.488 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

Tot Ion: 56 Resp: 19024
Ion Ratio Lower Upper
56 100
69 72.6 27.6 41.4#
84 123.0 77.7 116.5#

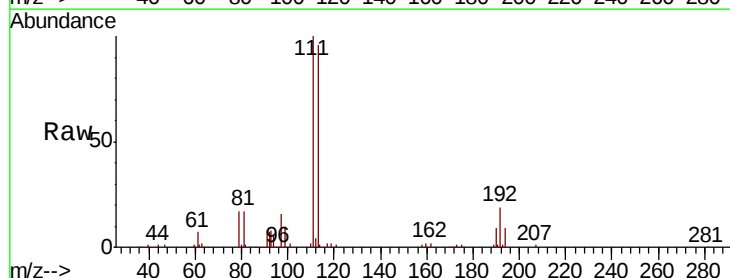


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

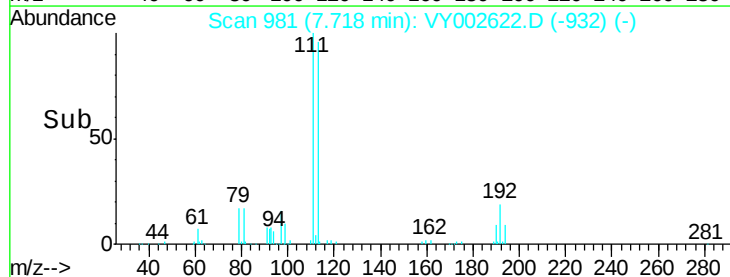
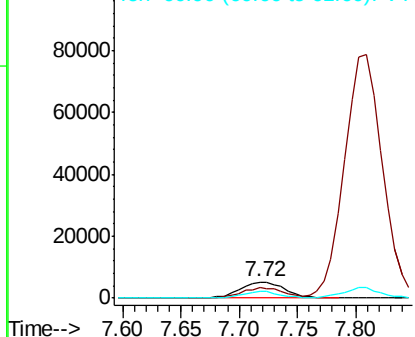


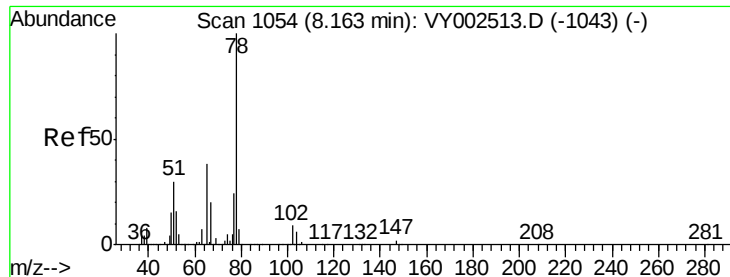
#32
1,1,1-Trichloroethane
Concen: 2.633 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 97 Resp: 13786
Ion Ratio Lower Upper
97 100
99 59.8 51.9 77.9
61 37.3 31.0 46.6



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

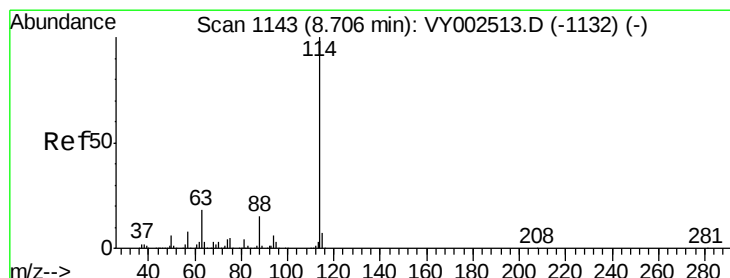
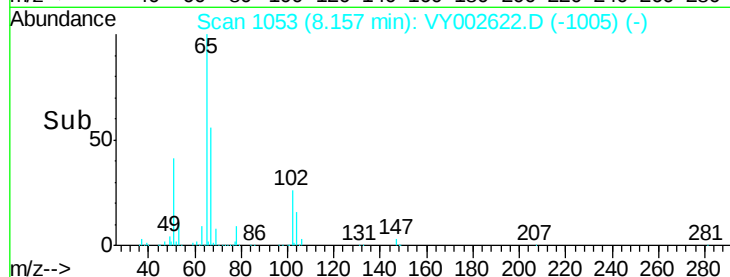
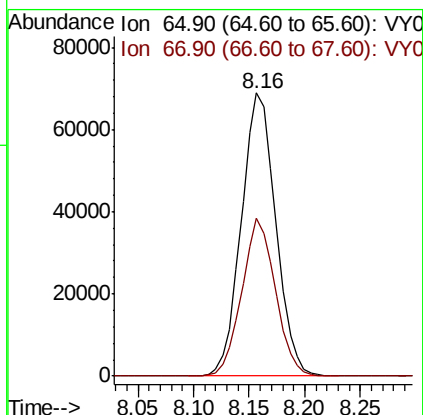
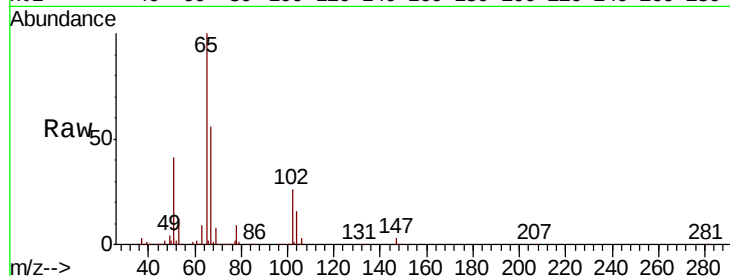




#33
 1,2-Dichloroethane-d4
 Concen: 48.857 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

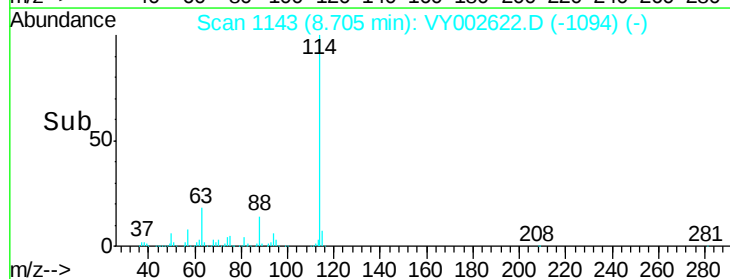
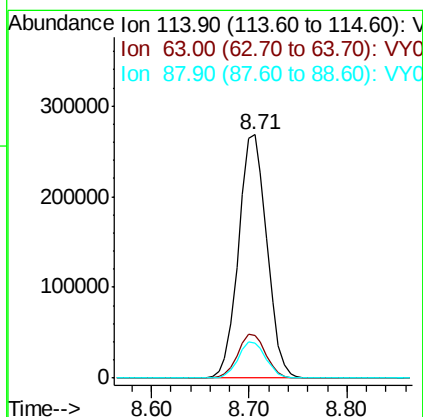
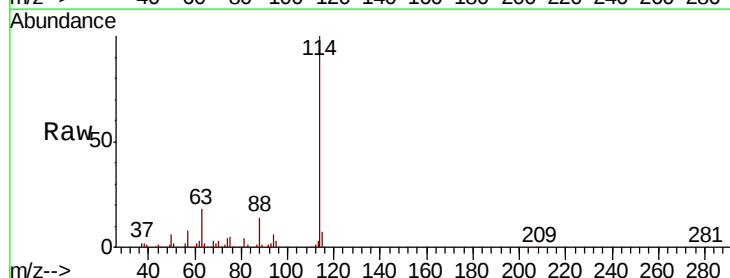
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

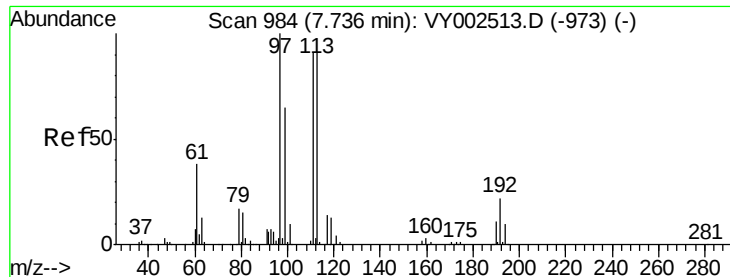
Tot Ion: 65 Resp: 148254
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion: 114 Resp: 537646
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.4 0.0 29.6

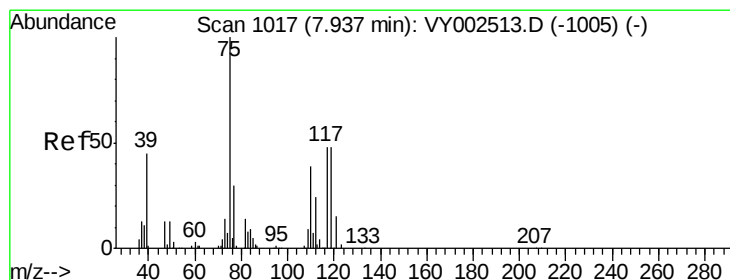
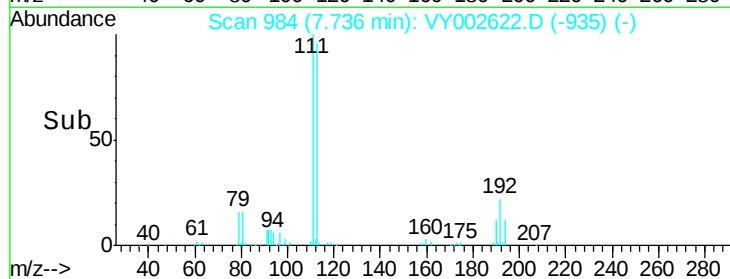
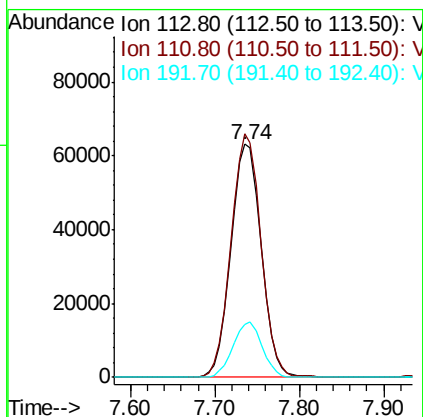
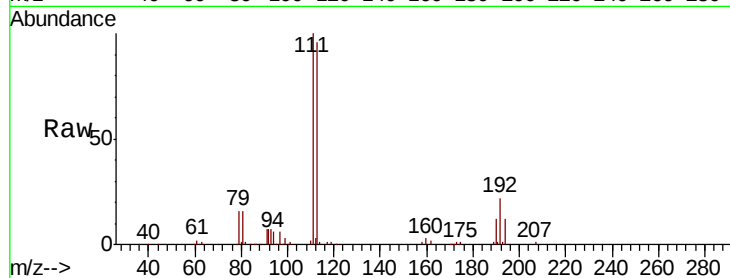




#35
 Dibromofluoromethane
 Concen: 49.901 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

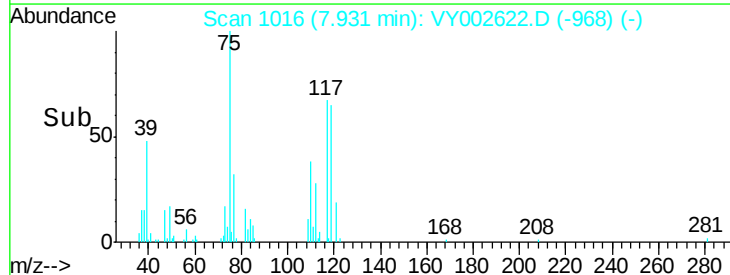
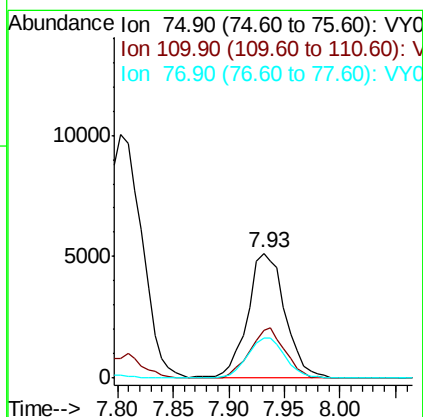
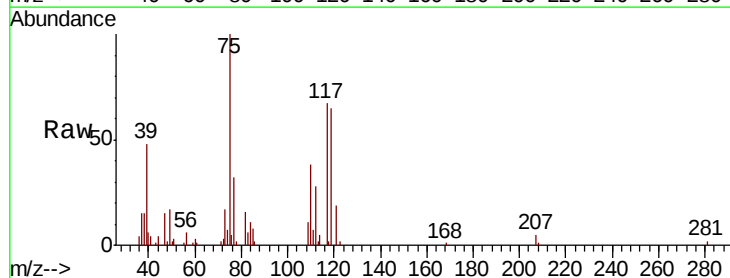
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

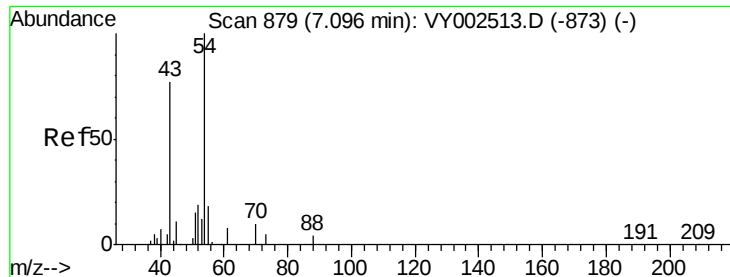
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	23.0	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 2.683 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.1	57.3
77	32.1	24.6	37.0

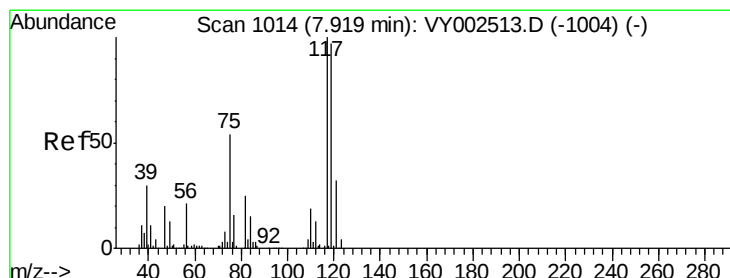
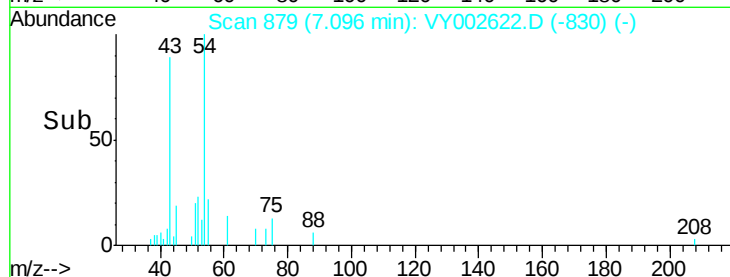
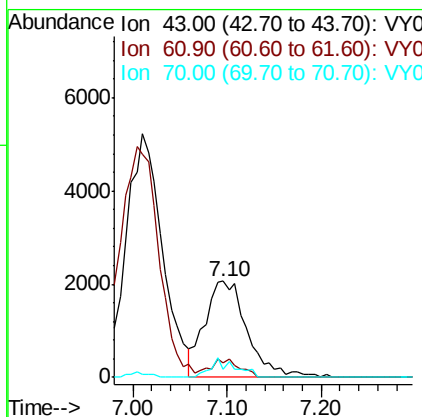
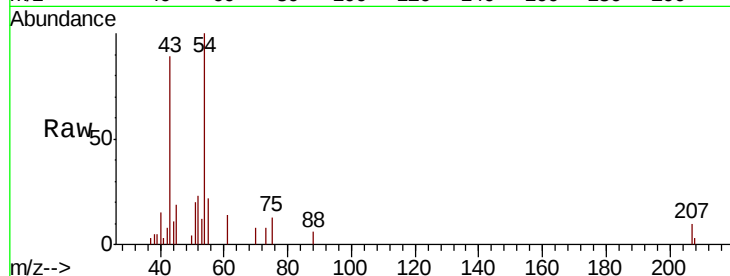




#37
Ethyl Acetate
Concen: 2.786 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

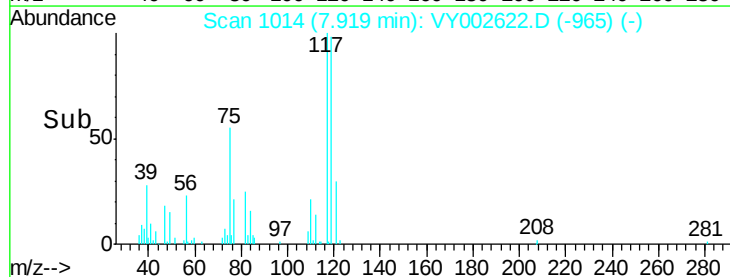
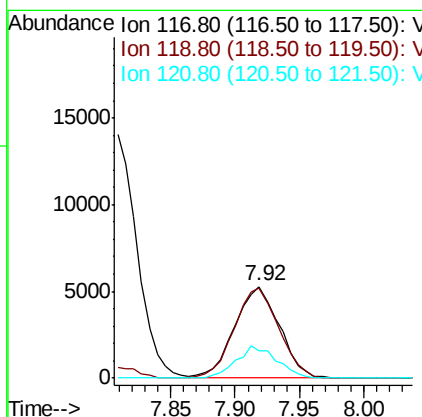
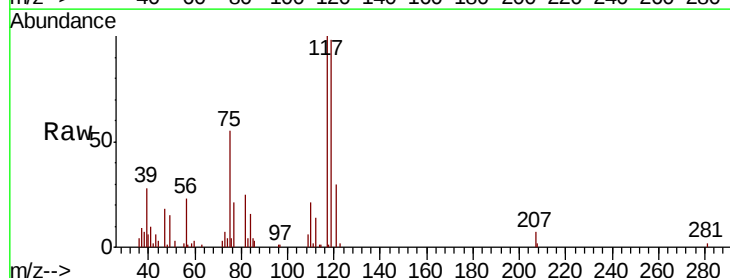
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

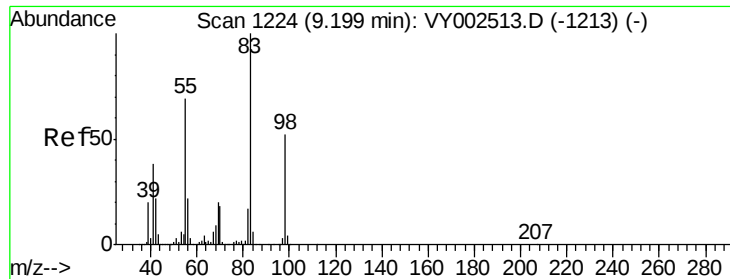
Tot Ion: 43 Resp: 6453
Ion Ratio Lower Upper
43 100
61 12.5 11.6 17.4
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 2.596 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 117 Resp: 12773
Ion Ratio Lower Upper
117 100
119 97.7 77.1 115.7
121 29.9 25.2 37.8

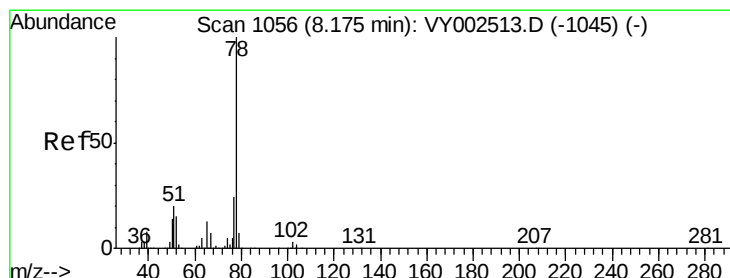
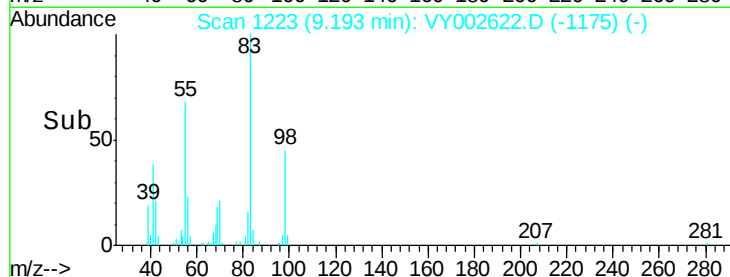
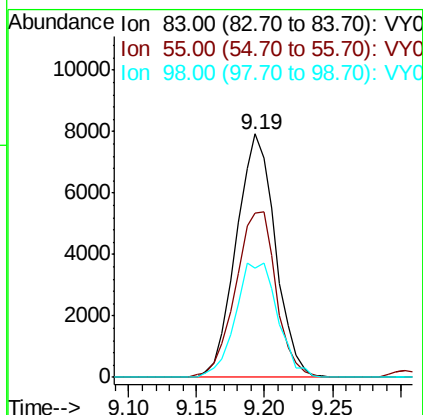
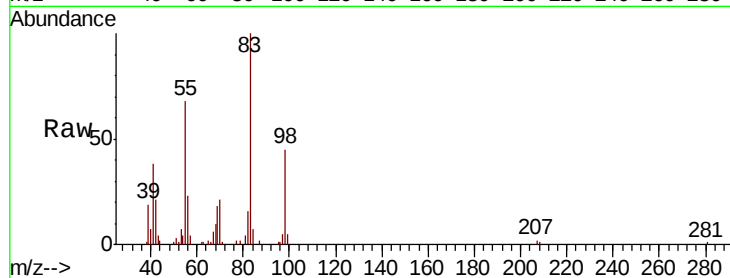




#39
Methylcyclohexane
Concen: 2.673 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

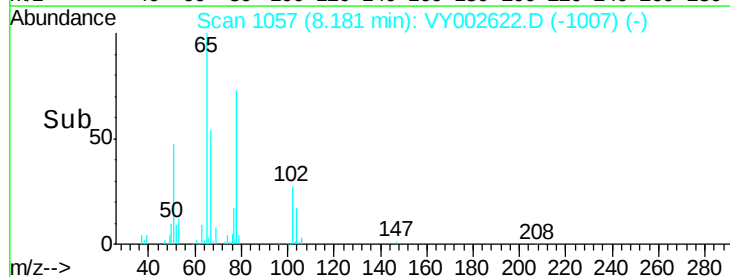
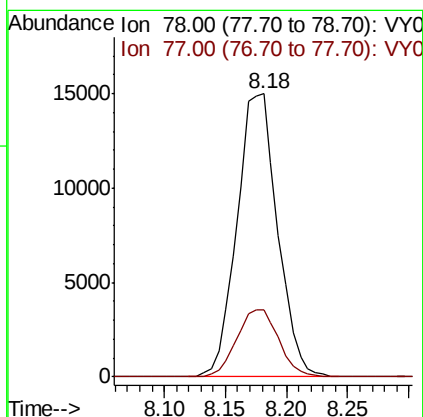
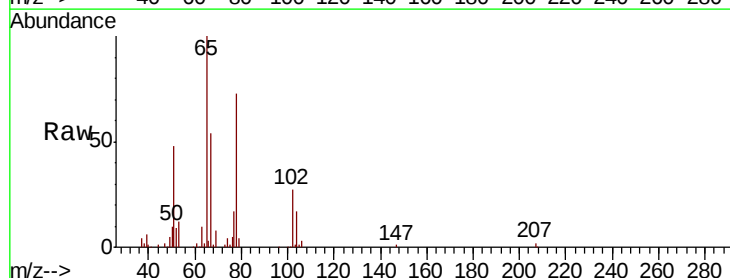
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

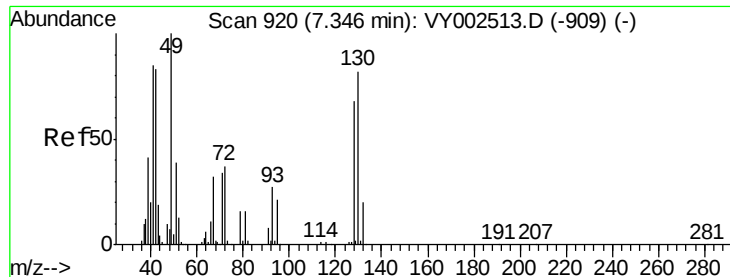
Tot Ion: 83 Resp: 15914
Ion Ratio Lower Upper
83 100
55 67.7 55.4 83.0
98 44.7 41.3 61.9



#40
Benzene
Concen: 2.652 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 78 Resp: 34522
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

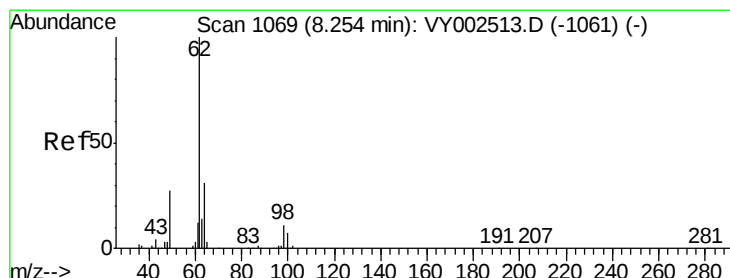
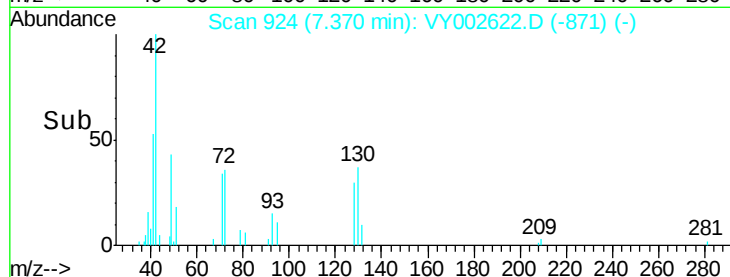
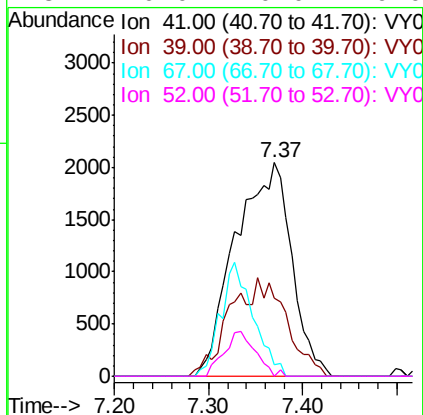
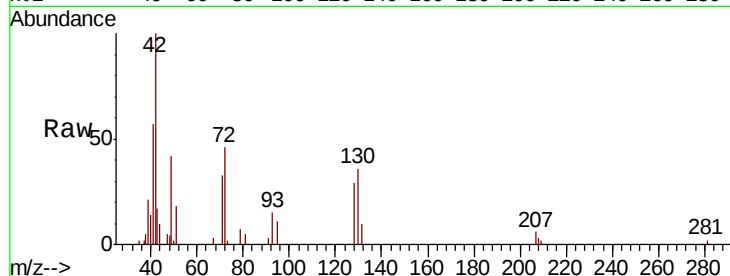




#41
Methacrylonitrile
Concen: 6.807 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

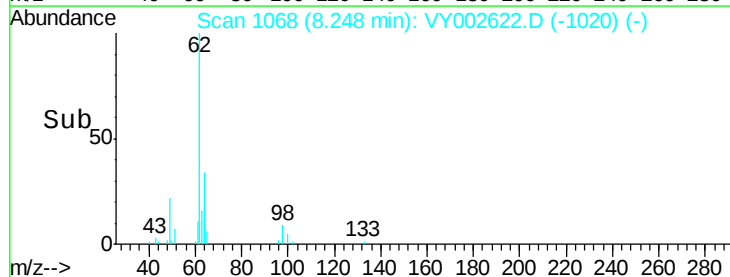
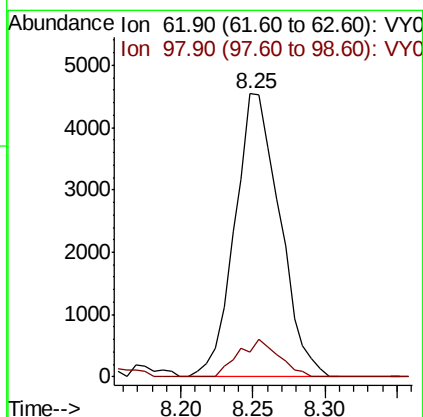
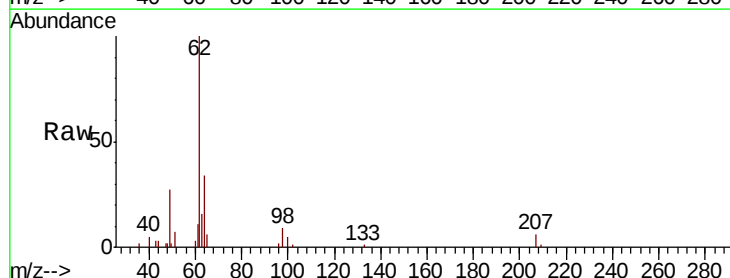
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

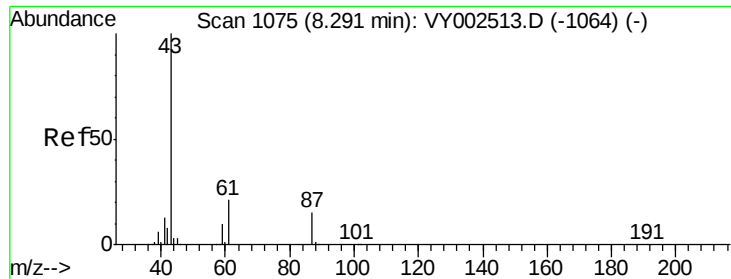
Tot Ion: 41 Resp: 8477
Ion Ratio Lower Upper
41 100
39 25.4 83.1 124.7#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 2.701 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 62 Resp: 9861
Ion Ratio Lower Upper
62 100
98 11.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 2.475 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

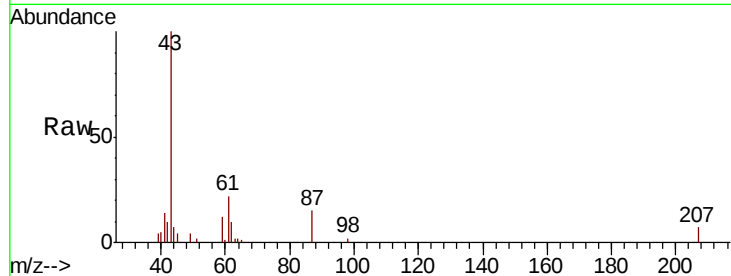
Tot Ion: 43 Resp: 10745

Ion Ratio Lower Upper

43 100

61 31.7 24.8 37.2

87 16.2 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VY002622.D (-1074) (-)

Ion 61.00 (60.70 to 61.70): VY002622.D (-1074) (-)

Ion 87.00 (86.70 to 87.70): VY002622.D (-1074) (-)

8.28

6000

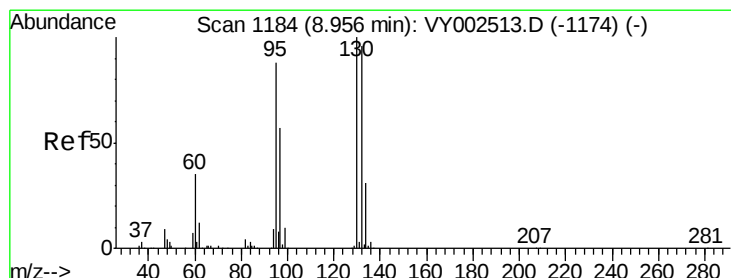
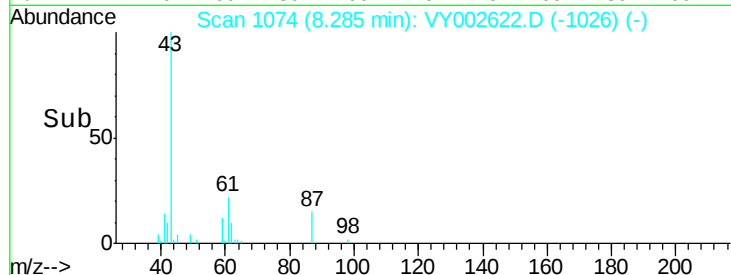
4000

2000

0

8.20 8.30 8.40

Time-->



#44

Trichloroethene

Concen: 2.656 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002622.D

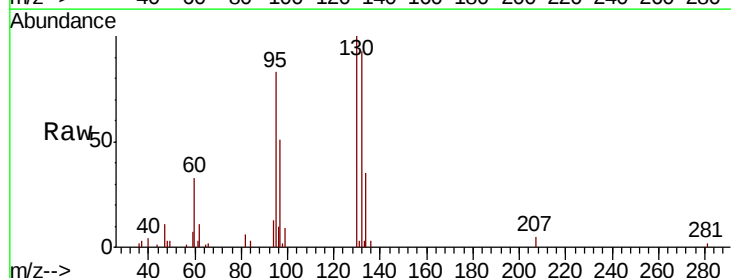
Acq: 07 May 2020 11:46

Tgt Ion: 130 Resp: 10805

Ion Ratio Lower Upper

130 100

95 83.0 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002622.D (-1183) (-)

Ion 94.90 (94.60 to 95.60): VY002622.D (-1183) (-)

8.95

6000

5000

4000

3000

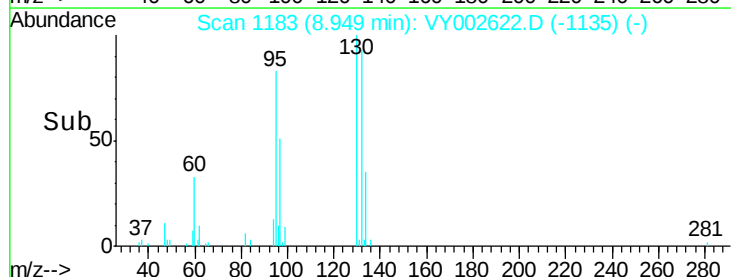
2000

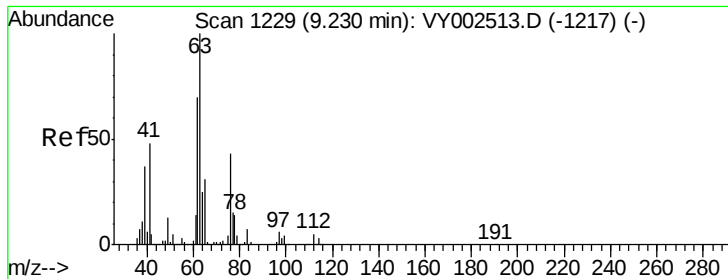
1000

0

8.85 8.90 8.95 9.00

Time-->

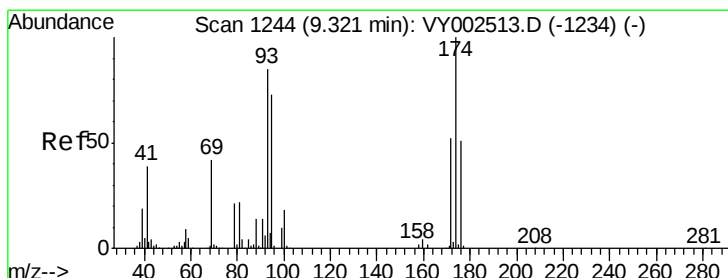
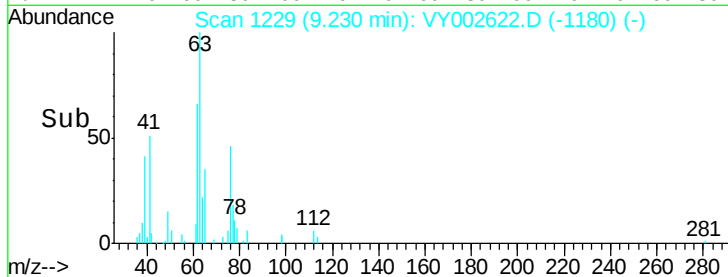
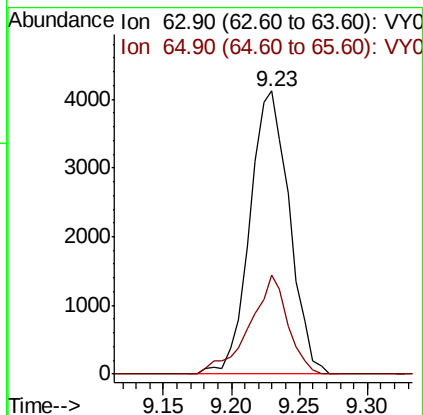
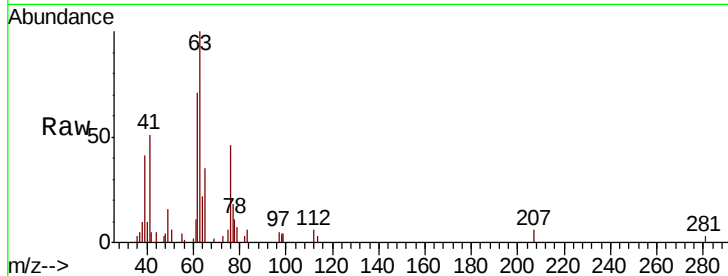




#45
 1,2-Dichloropropane
 Concen: 2.670 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

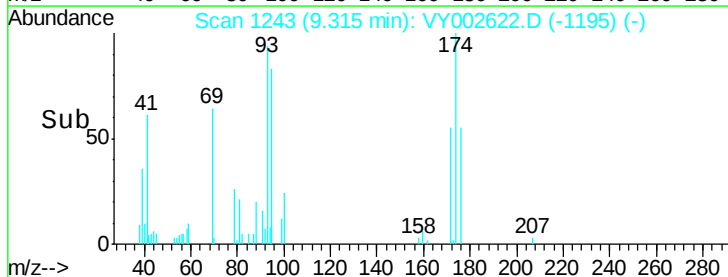
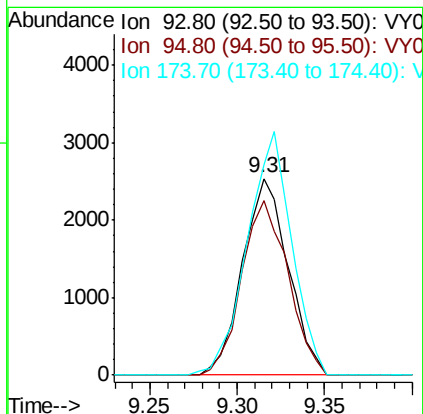
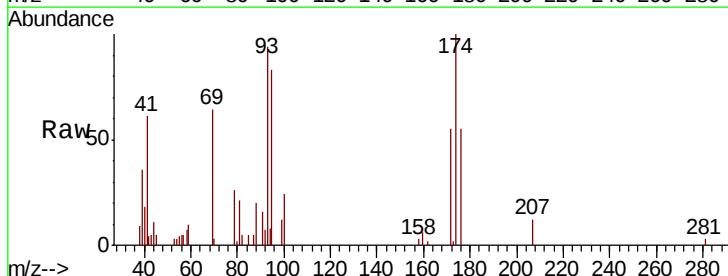
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

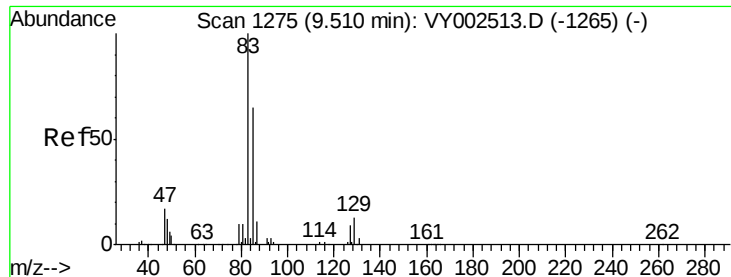
Tot Ion: 63 Resp: 8388
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.5 36.7



#46
 Dibromomethane
 Concen: 2.550 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion: 93 Resp: 4610
 Ion Ratio Lower Upper
 93 100
 95 89.9 67.0 100.4
 174 120.6 92.7 139.1





#47

Bromodichloromethane

Concen: 2.585 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

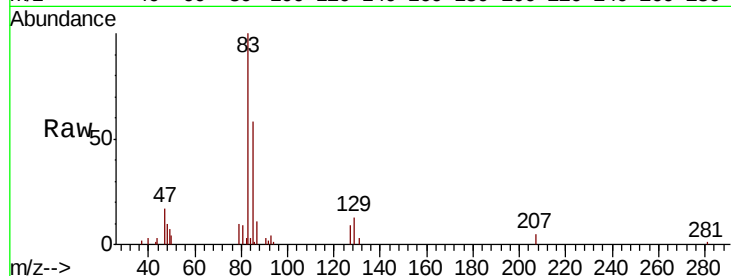
Tot Ion: 83 Resp: 11362

Ion Ratio Lower Upper

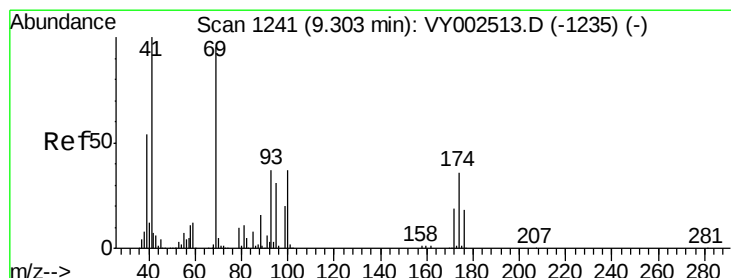
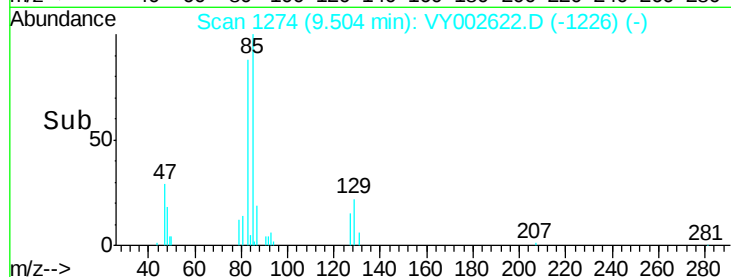
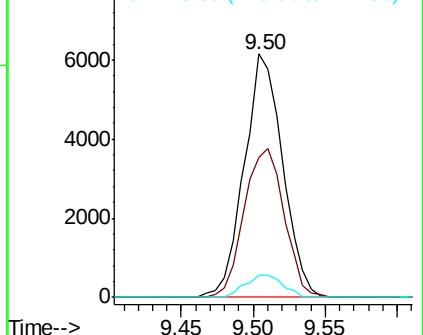
83 100

85 57.6 51.8 77.8

127 8.9 7.4 11.0



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: 2.360 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

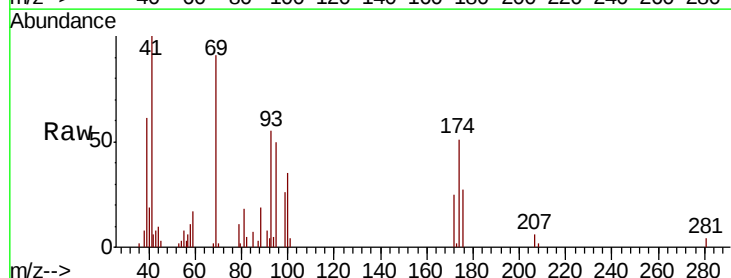
Tgt Ion: 41 Resp: 4637

Ion Ratio Lower Upper

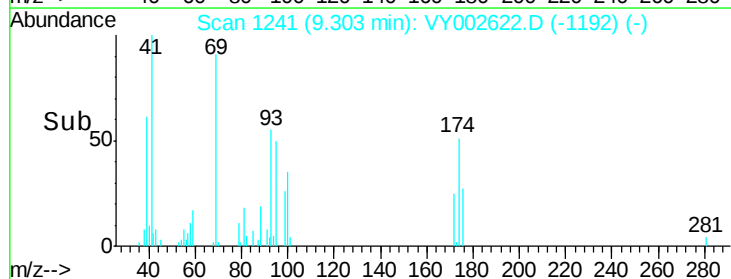
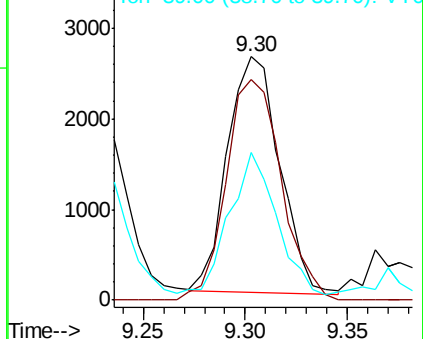
41 100

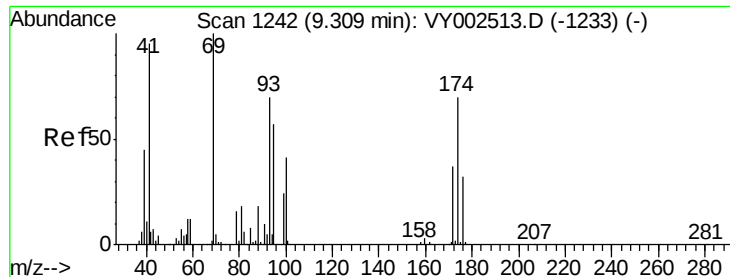
69 98.5 76.2 114.4

39 59.9 42.7 64.1



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

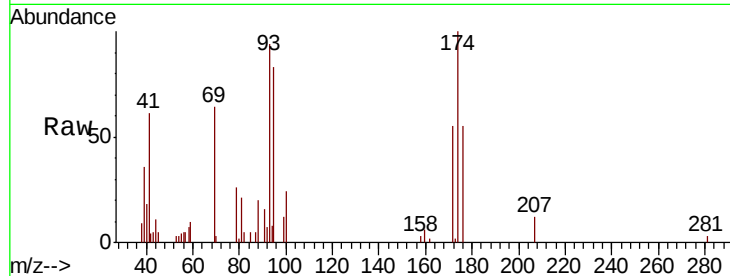




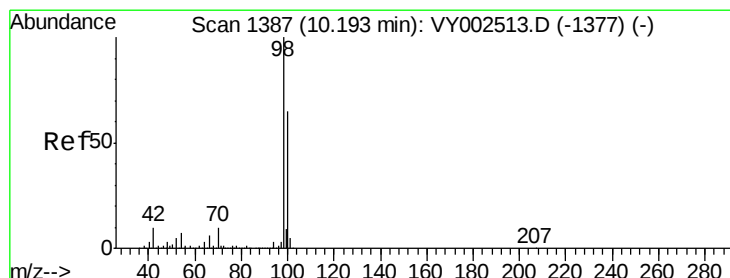
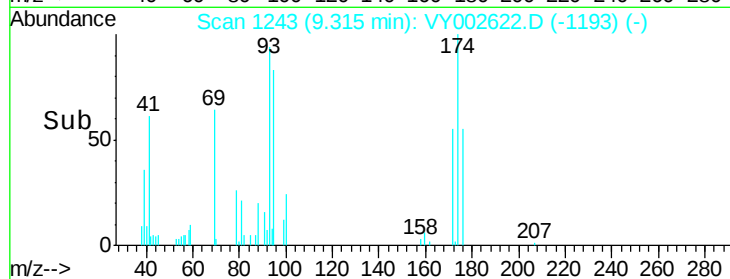
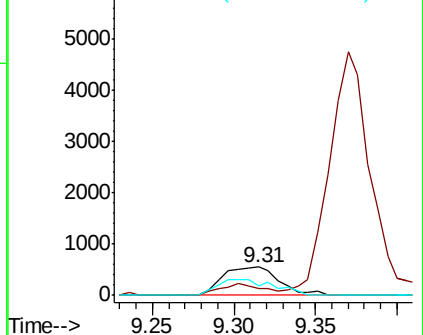
#49
1,4-Dioxane
Concen: 55.445 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

Tot Ion: 88 Resp: 1327
Ion Ratio Lower Upper
88 100
43 31.1 22.8 34.2
58 56.7 51.4 77.2

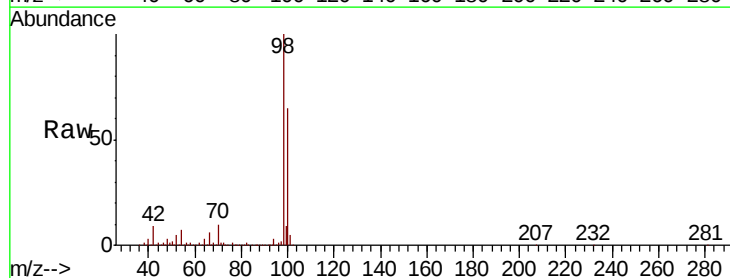


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

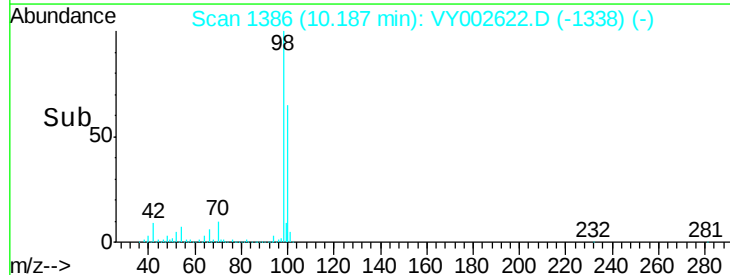
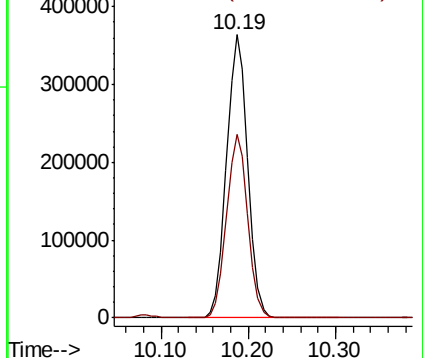


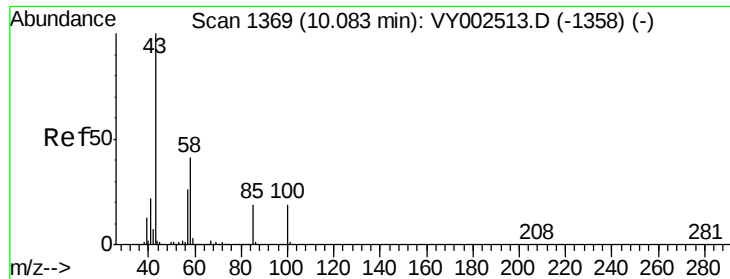
#50
Toluene-d8
Concen: 50.671 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 98 Resp: 608436
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 14.900 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

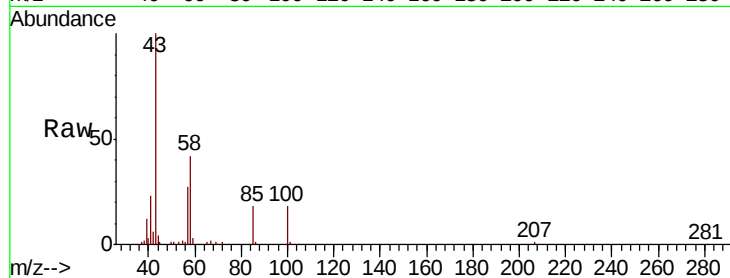
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 33346

Ion Ratio Lower Upper

43 100

58 41.4 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-1358) (-)

10.08

20000

15000

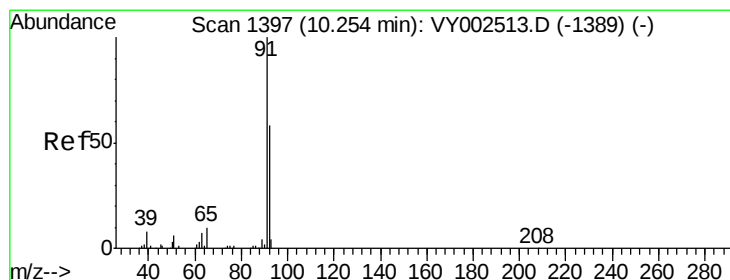
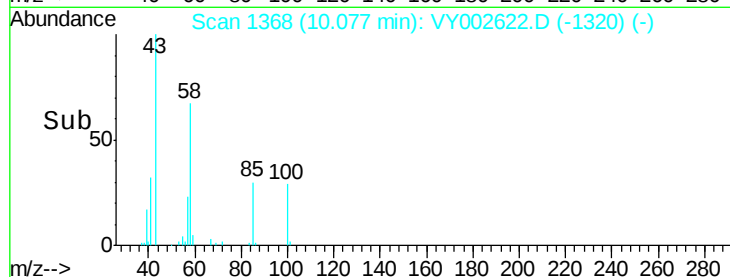
10000

5000

0

Time-->

10.00 10.10



#52

Toluene

Concen: 2.639 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002622.D

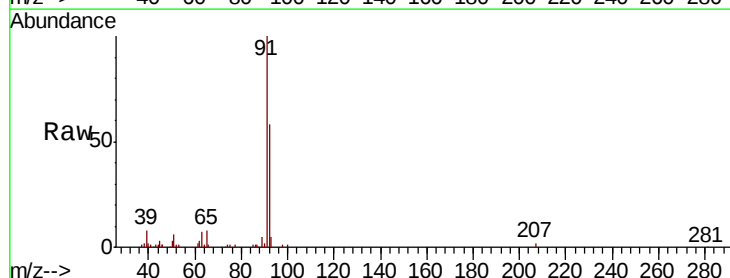
Acq: 07 May 2020 11:46

Tgt Ion: 92 Resp: 22082

Ion Ratio Lower Upper

92 100

91 176.3 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002513.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY002513.D (-1389) (-)

10.25

25000

20000

15000

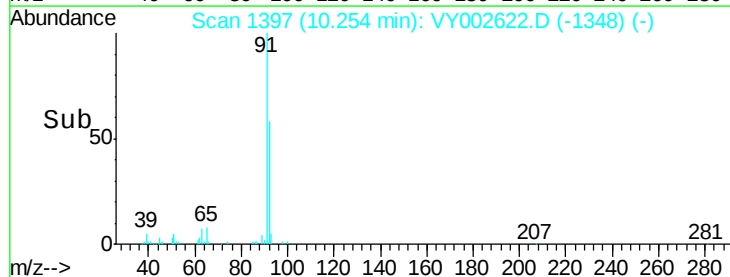
10000

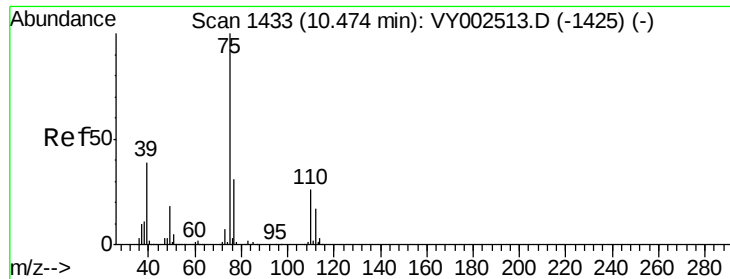
5000

0

Time-->

10.20 10.25 10.30





#53

t-1,3-Dichloropropene

Concen: 2.552 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

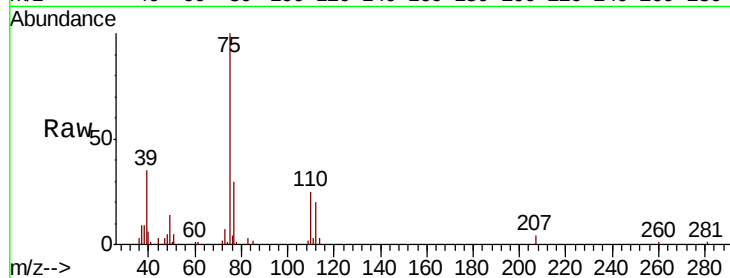
MDL-SOIL-03-QT2-2020DL

Tot Ion: 75 Resp: 11752

Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

8000

6000

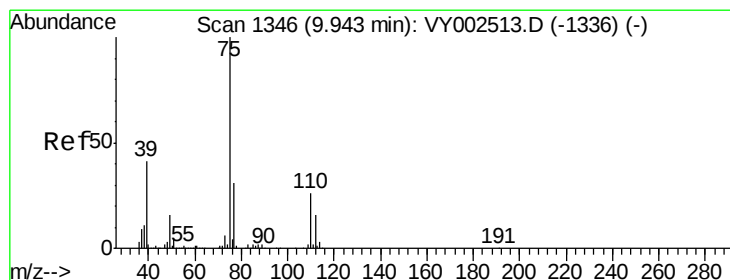
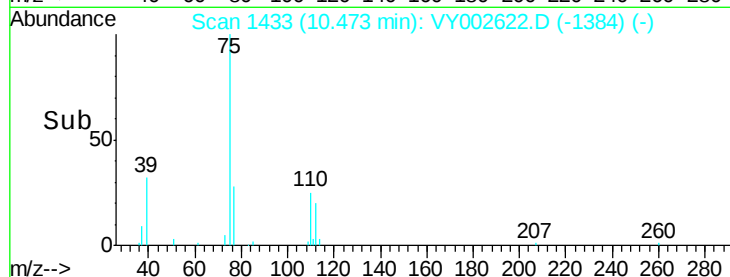
4000

2000

0

Time-->

10.40 10.45 10.50 10.55



#54

cis-1,3-Dichloropropene

Concen: 2.468 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

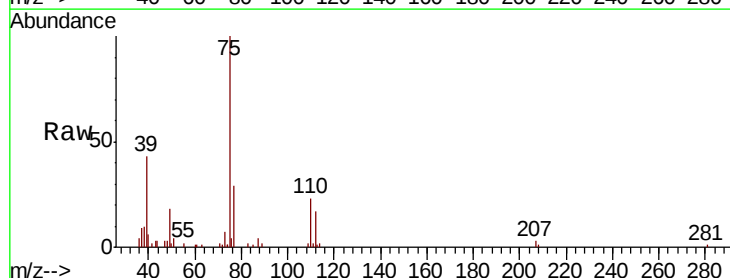
Tgt Ion: 75 Resp: 13137

Ion Ratio Lower Upper

75 100

77 29.2 25.1 37.7

39 42.6 32.7 49.1



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

9.94

10000

8000

6000

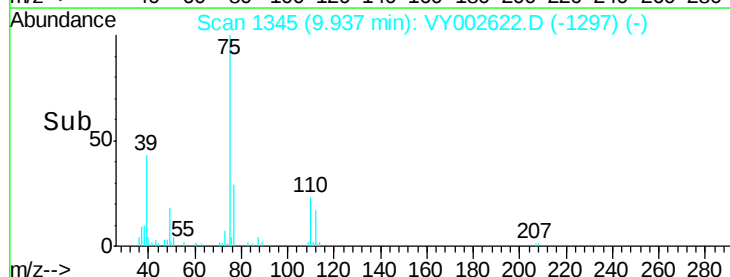
4000

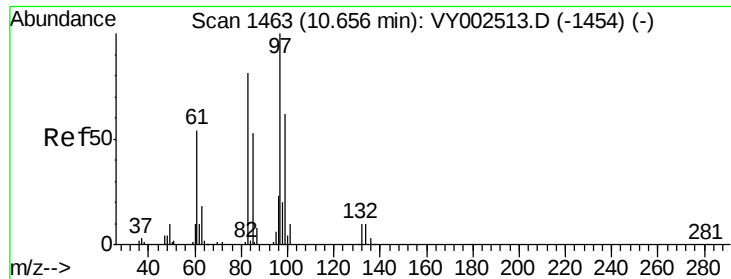
2000

0

Time-->

9.85 9.90 9.95 10.00





#55

1,1,2-Trichloroethane

Concen: 2.748 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

Tot Ion: 97 Resp: 7243

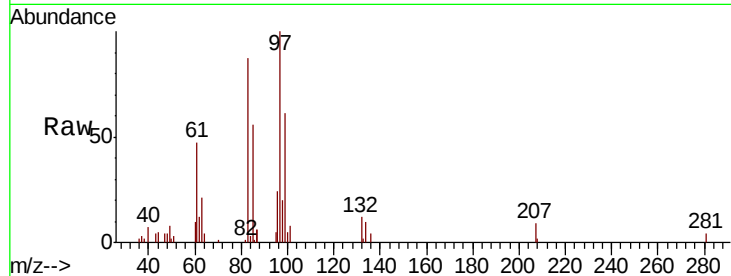
Ion Ratio Lower Upper

97 100

83 87.4 65.1 97.7

85 55.5 42.7 64.1

99 60.9 50.0 75.0

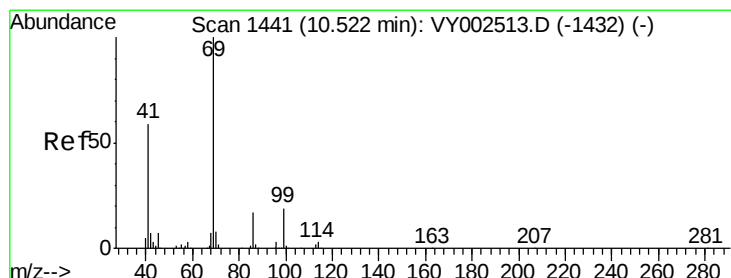
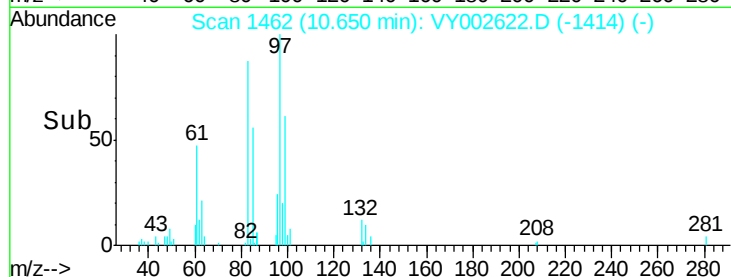
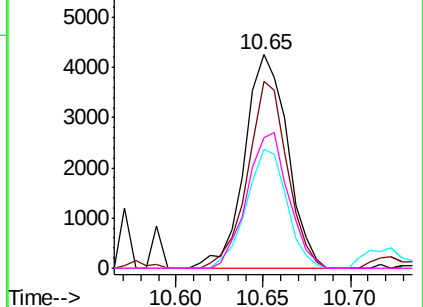


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 2.447 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

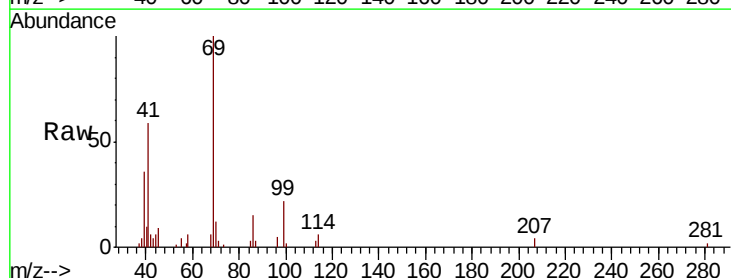
Tgt Ion: 69 Resp: 8581

Ion Ratio Lower Upper

69 100

41 62.9 48.6 73.0

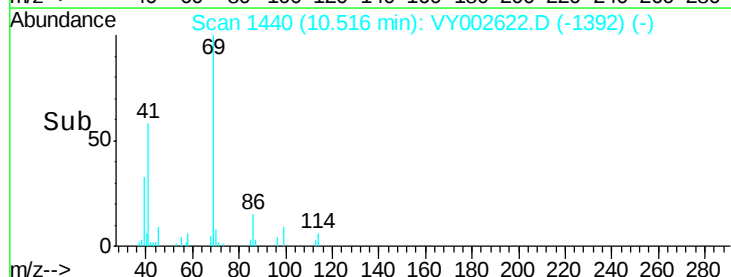
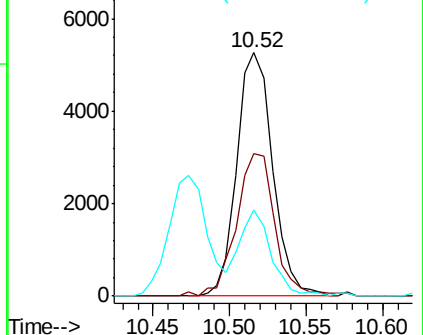
39 31.5 25.0 37.4

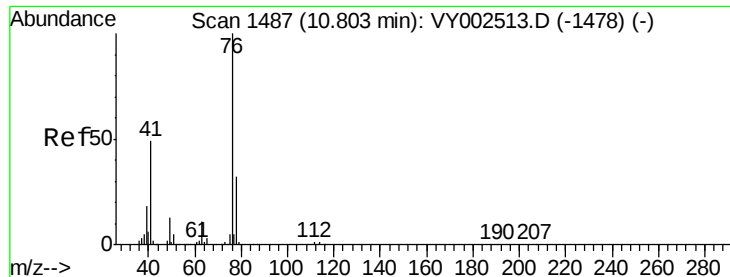


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 2.749 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

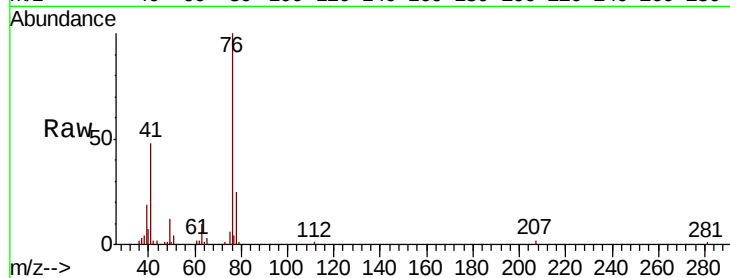
MDL-SOIL-03-QT2-2020DL

Tot Ion: 76 Resp: 12291

Ion Ratio Lower Upper

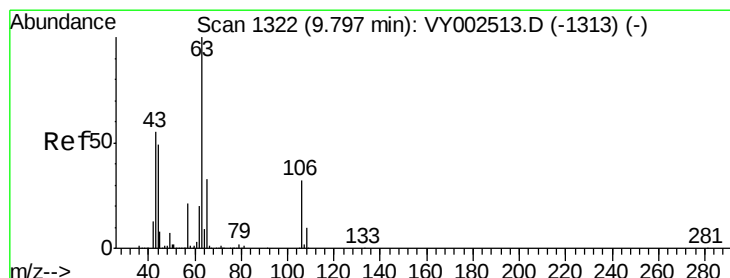
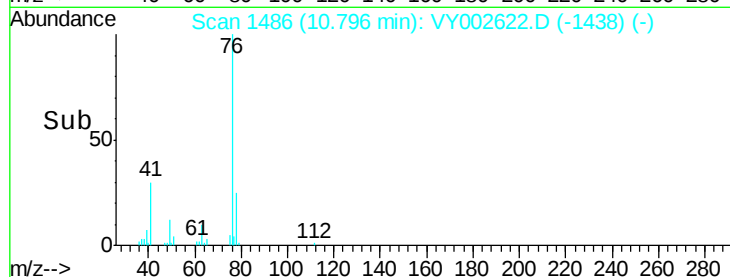
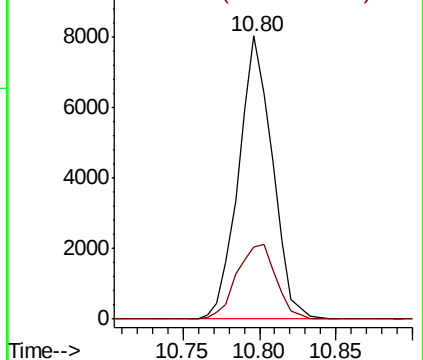
76 100

78 30.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 12.955 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY002622.D

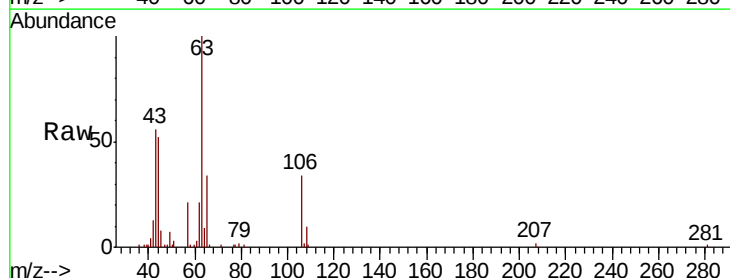
Acq: 07 May 2020 11:46

Tgt Ion: 63 Resp: 23957

Ion Ratio Lower Upper

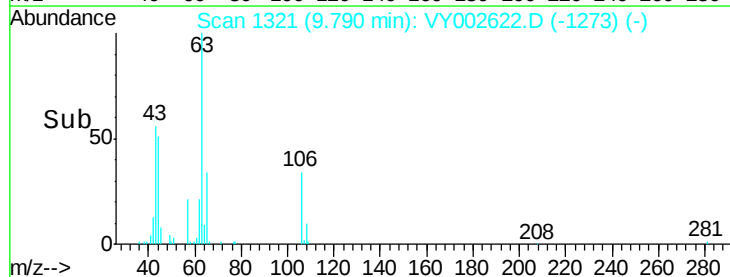
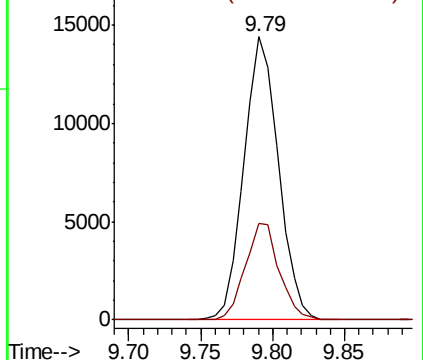
63 100

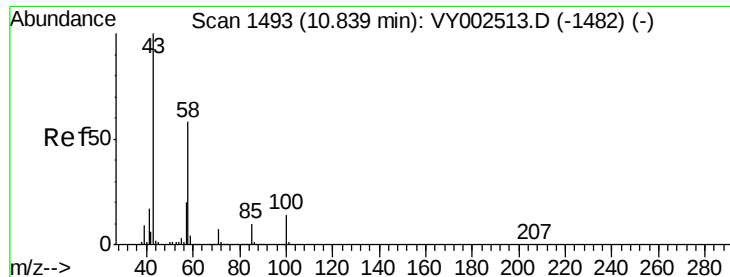
106 33.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

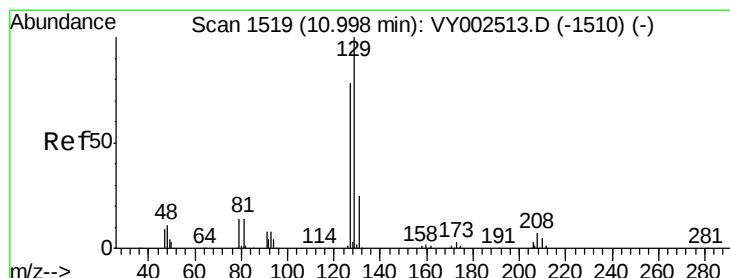
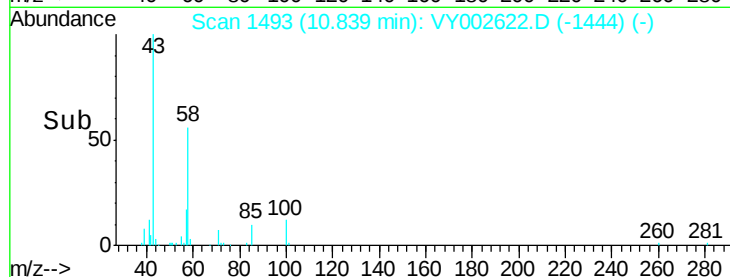
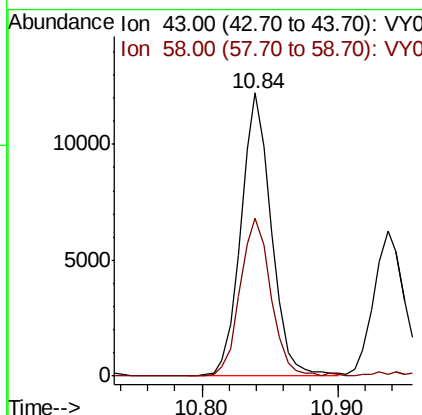
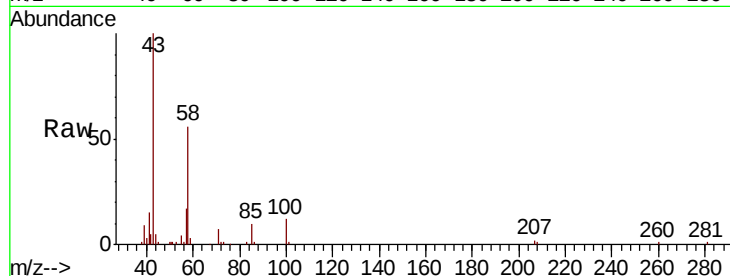




#59
2-Hexanone
Concen: 12.400 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

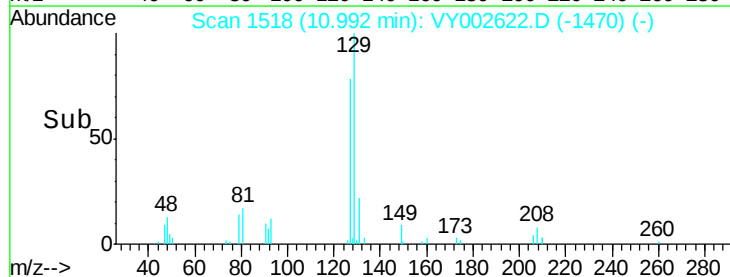
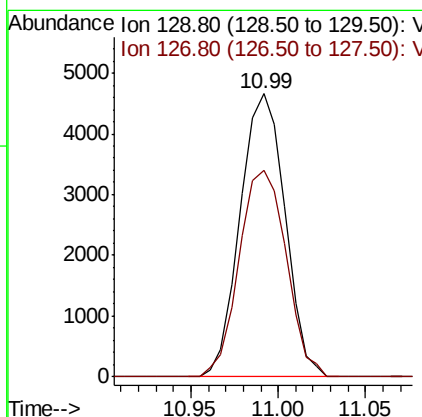
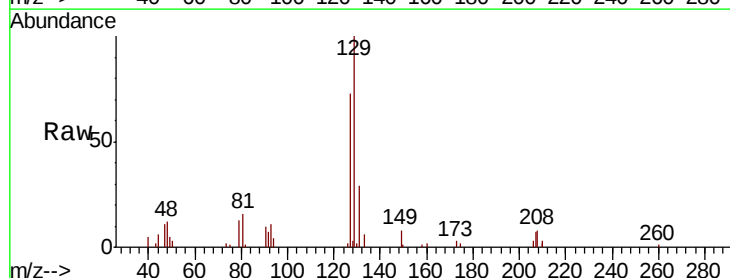
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

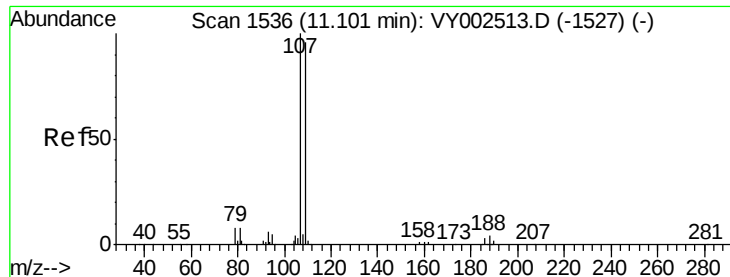
Tot Ion: 43 Resp: 19101
Ion Ratio Lower Upper
43 100
58 56.2 29.1 87.3



#60
Dibromochloromethane
Concen: 2.478 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 129 Resp: 8309
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0

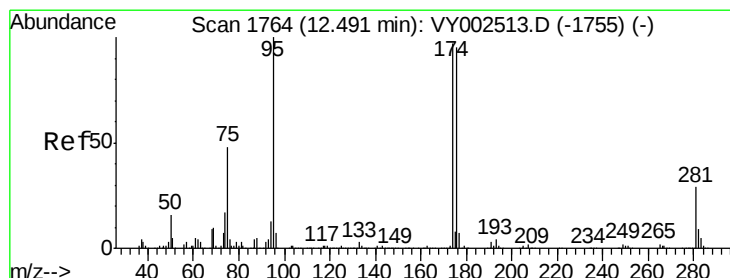
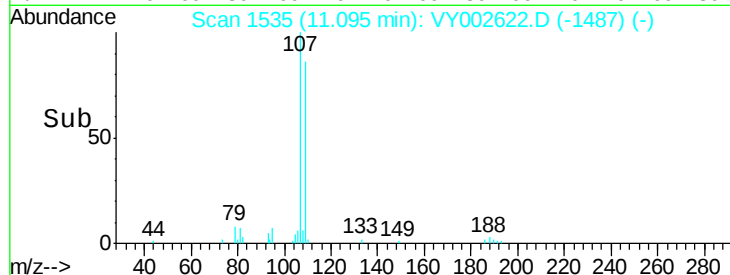
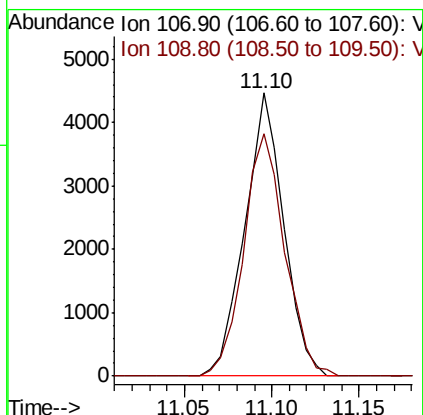
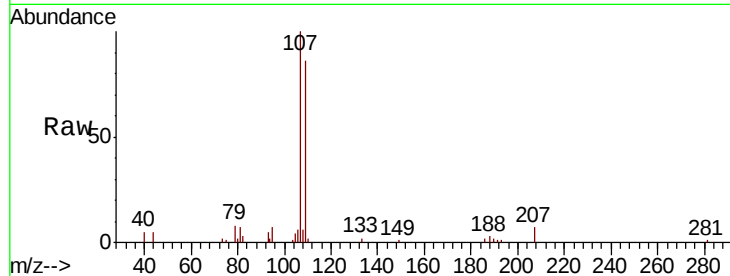




#61
 1,2-Dibromoethane
 Concen: 2.646 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

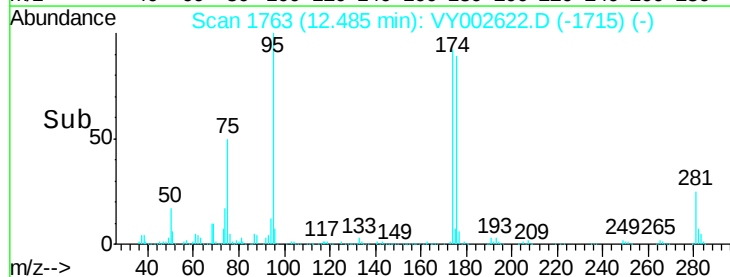
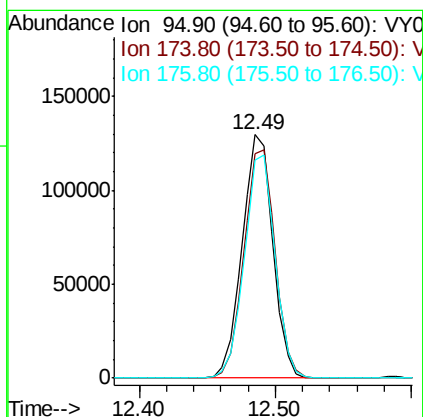
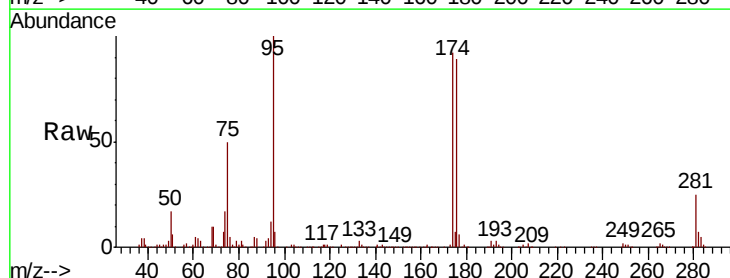
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

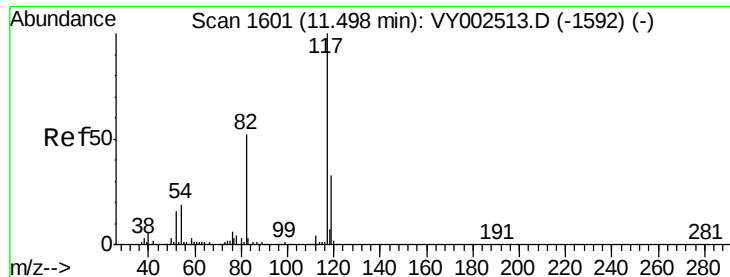
Tot Ion: 107 Resp: 6907
 Ion Ratio Lower Upper
 107 100
 109 90.3 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 50.184 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion: 95 Resp: 204475
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 188.8
 176 91.8 0.0 183.2

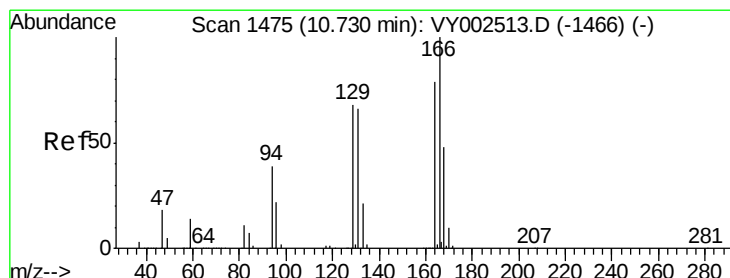
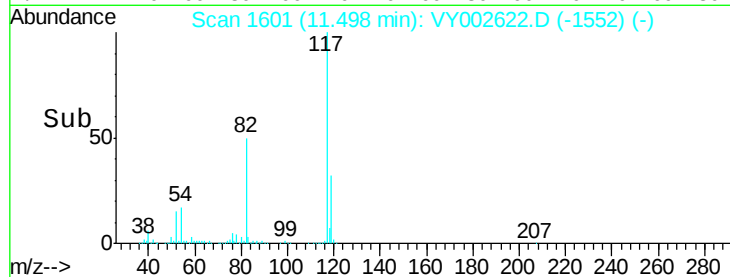
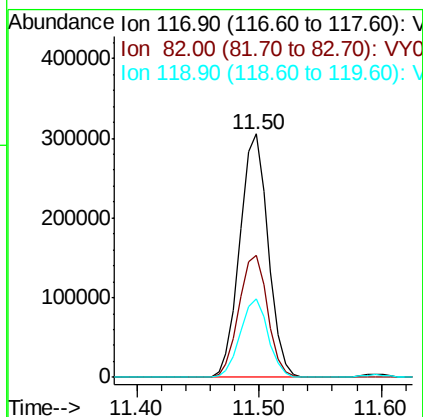
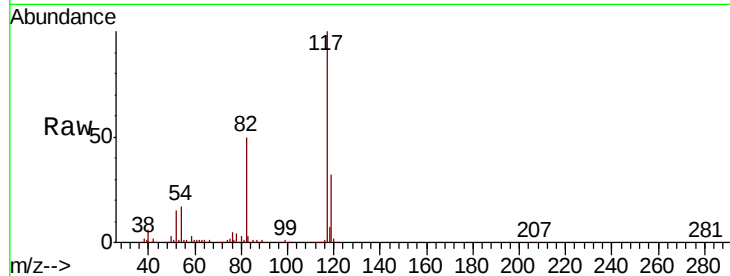




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

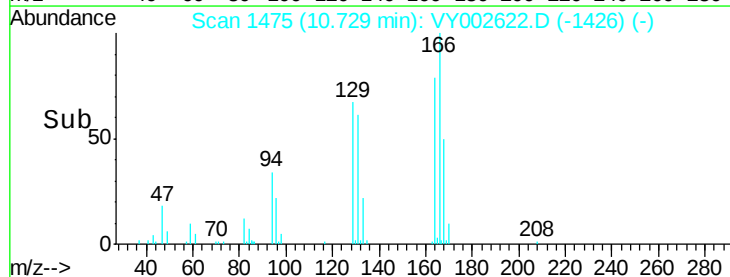
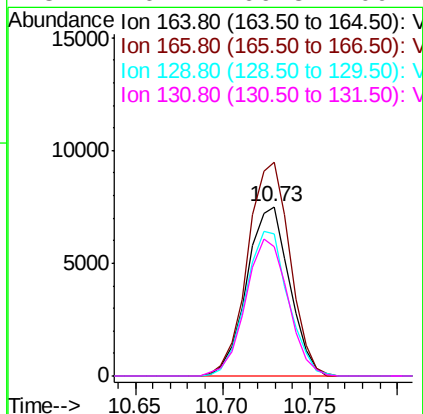
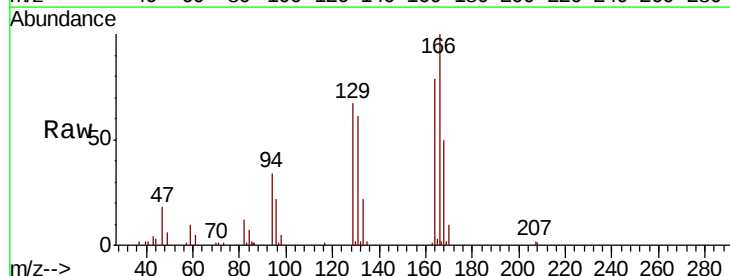
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

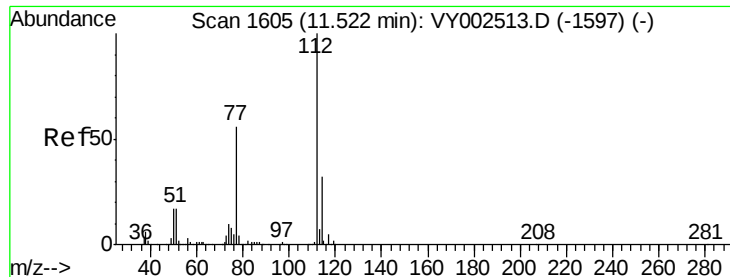
Tot Ion:117 Resp: 489585
Ion Ratio Lower Upper
117 100
82 50.2 41.3 61.9
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 2.922 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion:164 Resp: 12711
Ion Ratio Lower Upper
164 100
166 126.2 100.7 151.1
129 84.3 68.3 102.5
131 76.4 66.8 100.2

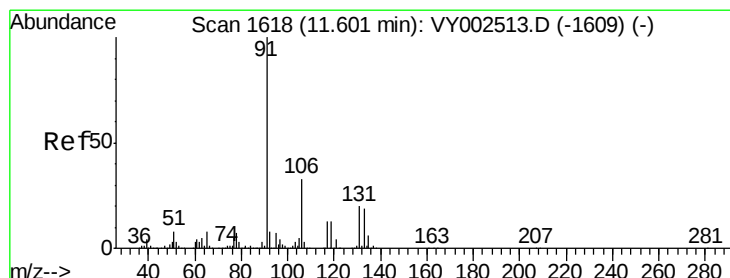
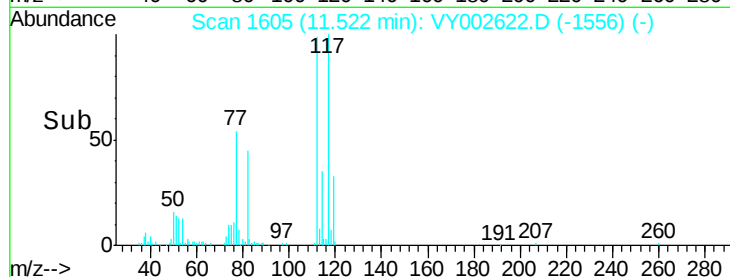
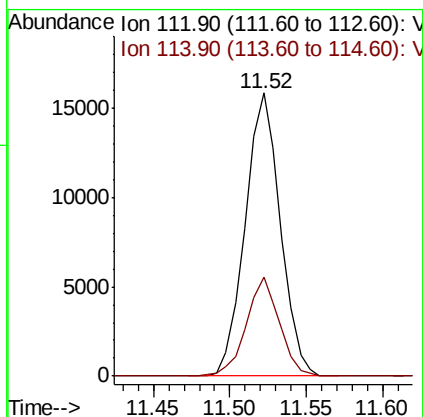
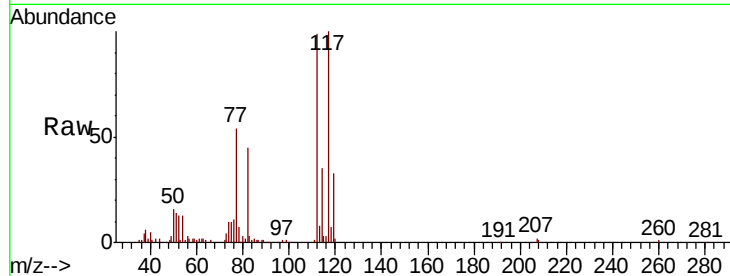




#65
Chlorobenzene
Concen: 2.714 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

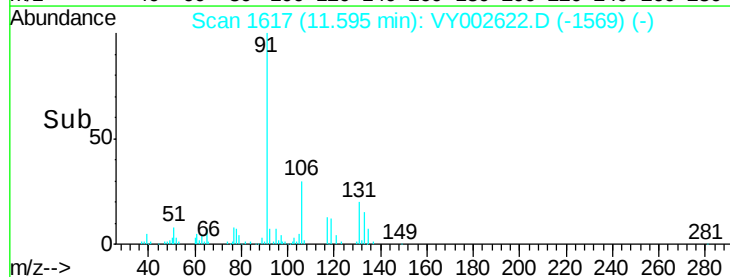
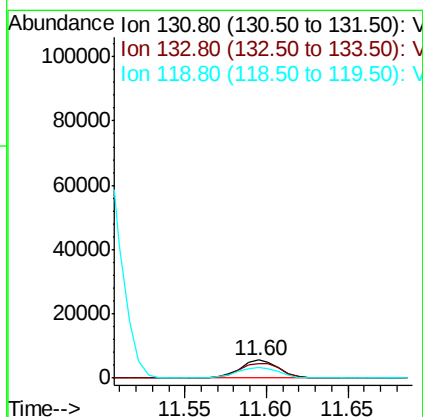
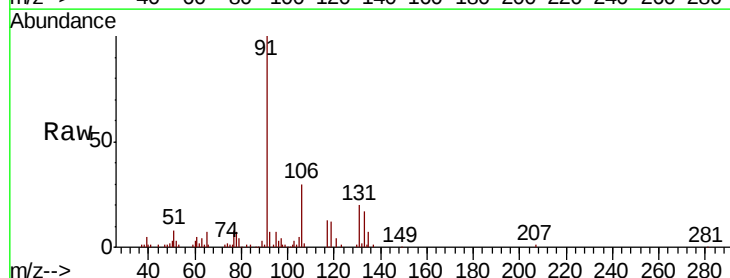
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

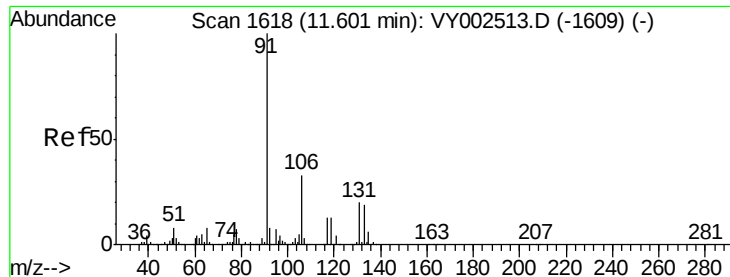
Tot Ion:112 Resp: 25263
Ion Ratio Lower Upper
112 100
114 34.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.643 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion:131 Resp: 9131
Ion Ratio Lower Upper
131 100
133 92.1 48.1 144.4
119 62.2 31.6 95.0





#67

Ethyl Benzene

Concen: 2.615 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

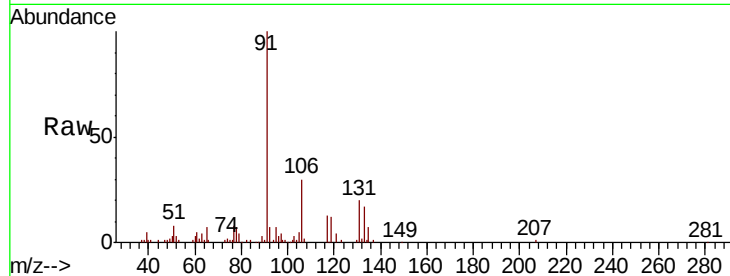
MDL-SOIL-03-QT2-2020DL

Tot Ion: 91 Resp: 42747

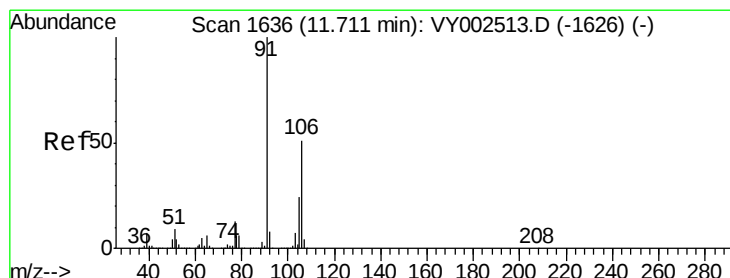
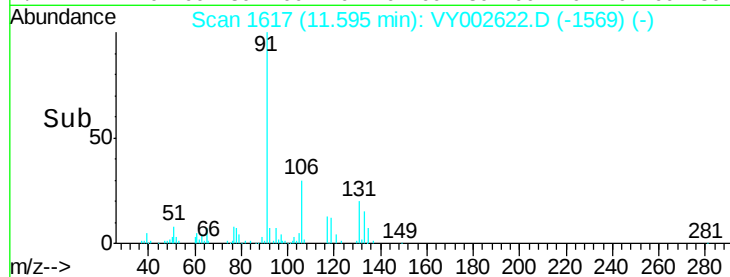
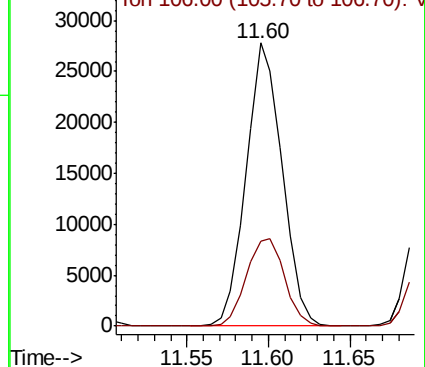
Ion Ratio Lower Upper

91 100

106 30.0 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 5.335 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002622.D

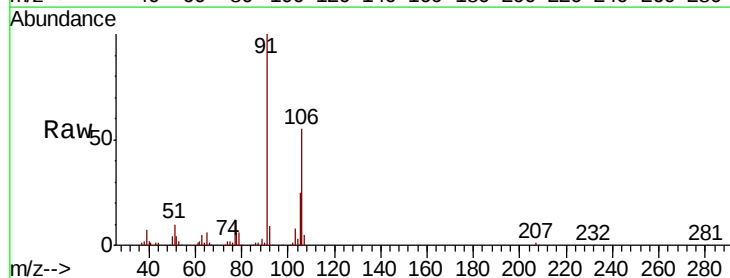
Acq: 07 May 2020 11:46

Tgt Ion: 106 Resp: 33744

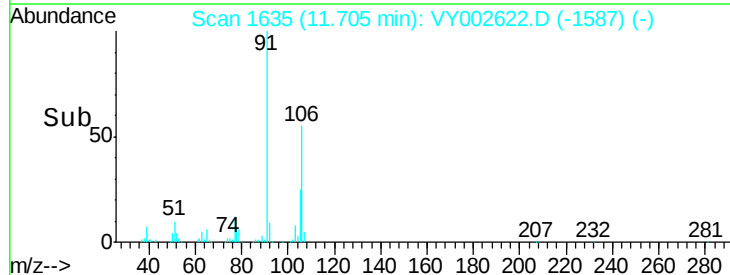
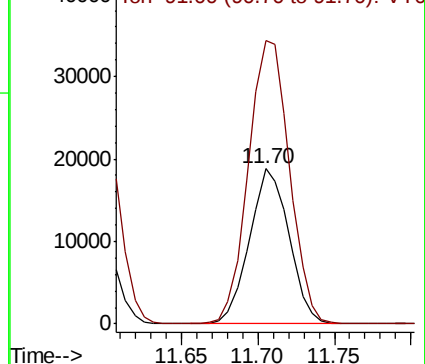
Ion Ratio Lower Upper

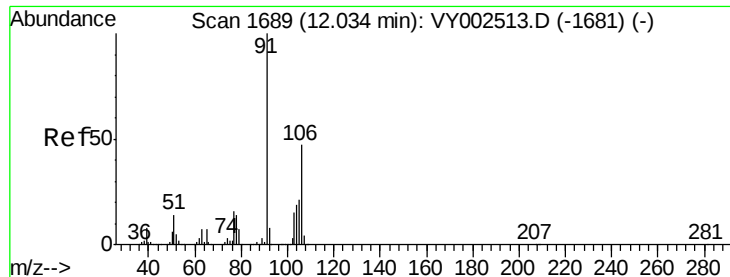
106 100

91 190.1 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VY002513.D (-1626) (-)

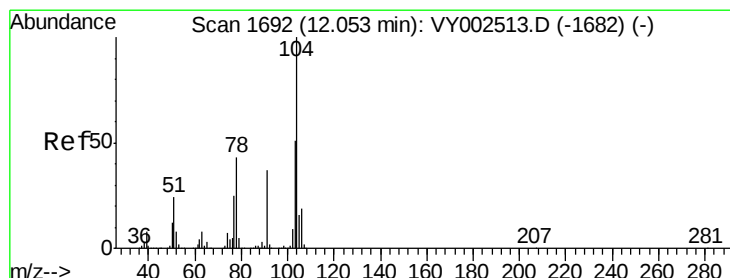
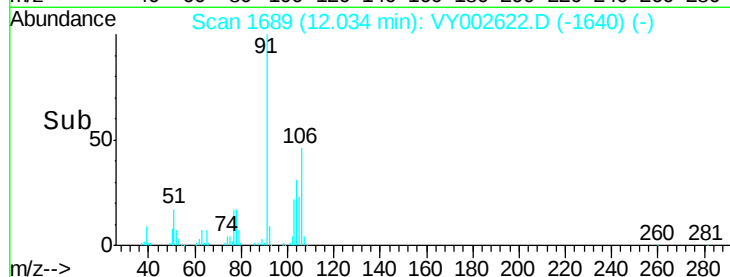
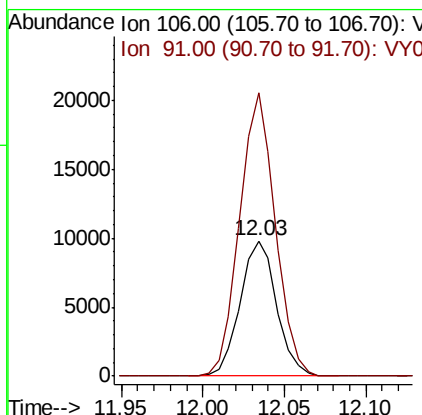
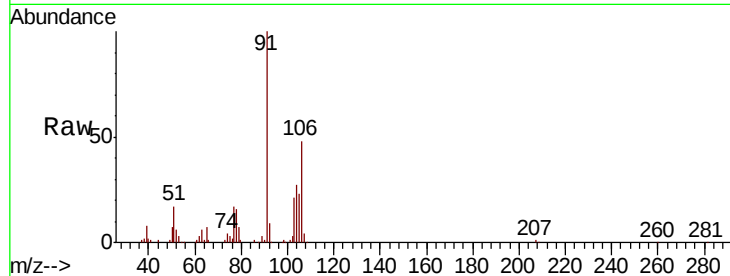




#69
o-Xylene
Concen: 2.569 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

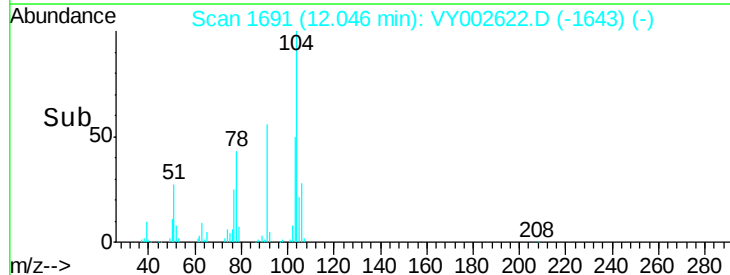
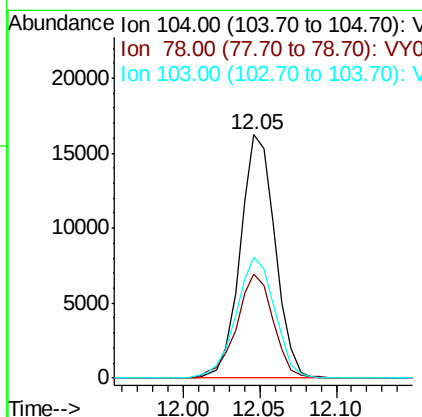
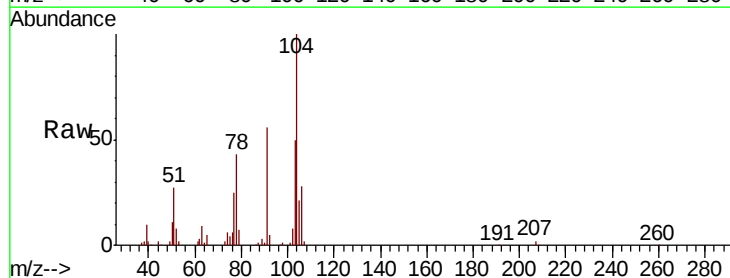
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

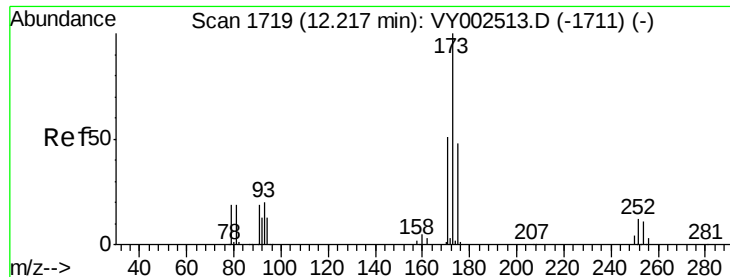
Tot Ion:106 Resp: 15217
Ion Ratio Lower Upper
106 100
91 204.9 103.8 311.3



#70
Styrene
Concen: 2.525 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion:104 Resp: 25562
Ion Ratio Lower Upper
104 100
78 45.3 37.4 56.0
103 55.5 43.9 65.9

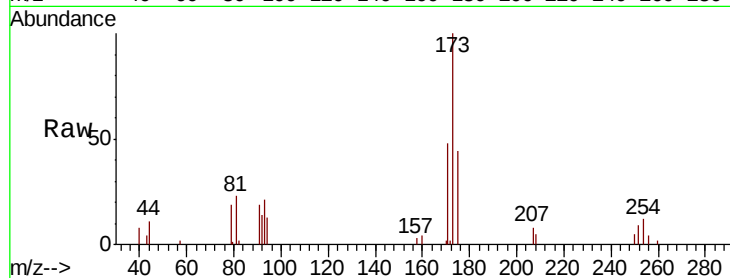




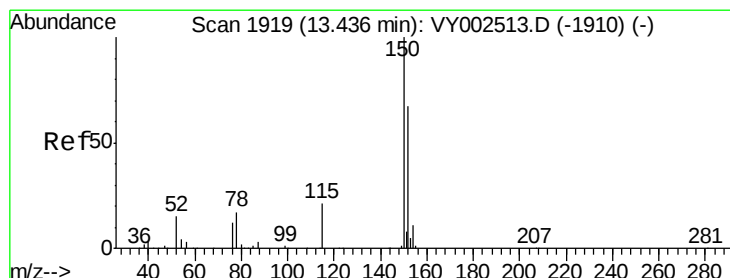
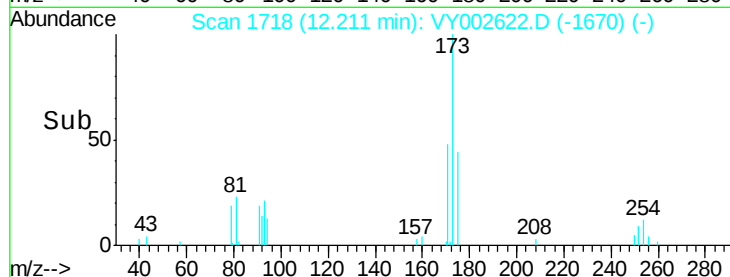
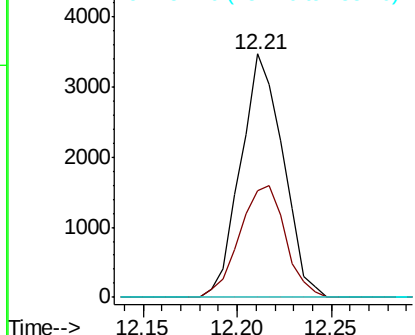
#71
Bromoform
Concen: 2.523 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

Tot Ion:173 Resp: 5409
Ion Ratio Lower Upper
173 100
175 49.5 24.3 72.8
254 0.0 0.2 0.2#

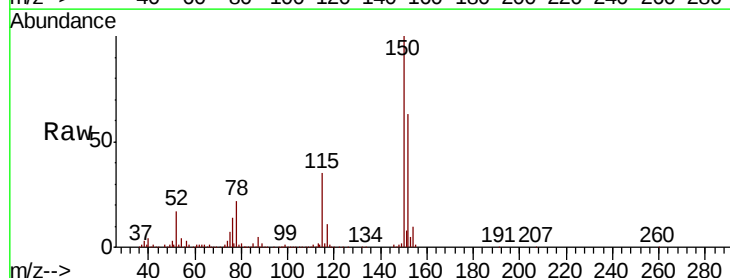


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

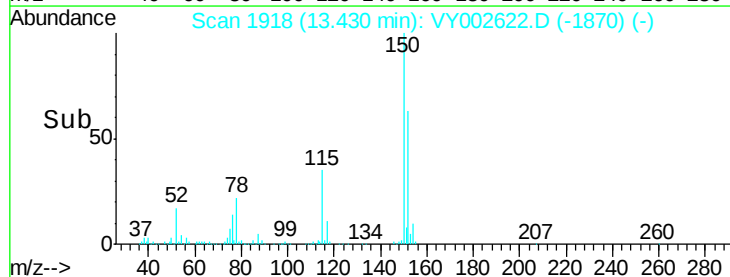
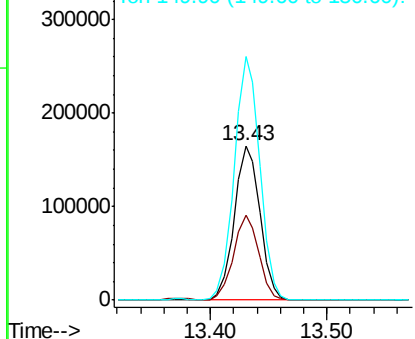


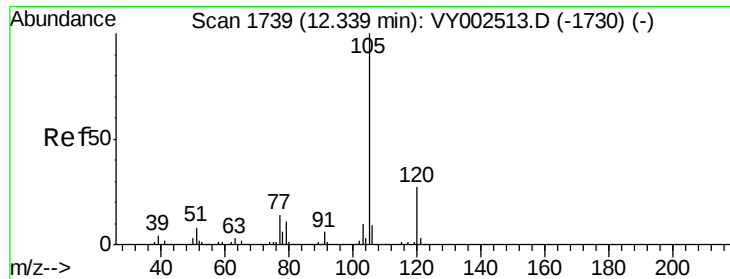
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion:152 Resp: 252131
Ion Ratio Lower Upper
152 100
115 54.1 27.5 82.4
150 157.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 2.623 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

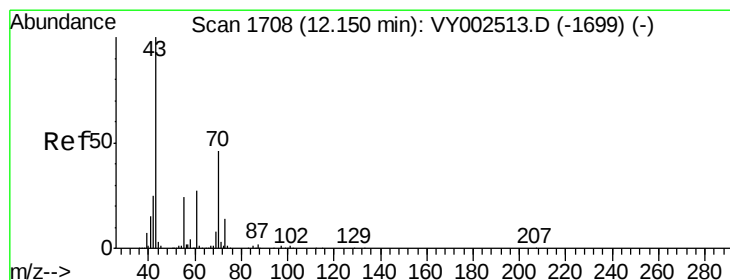
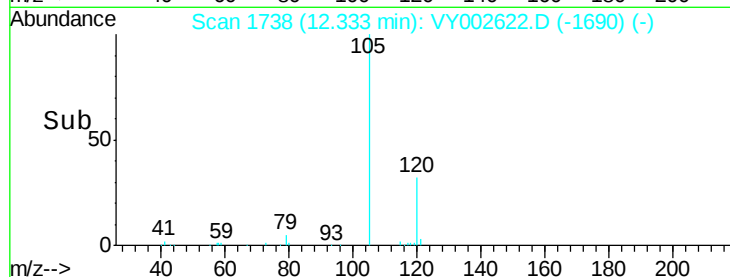
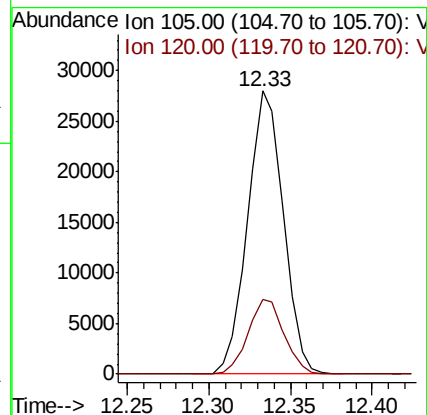
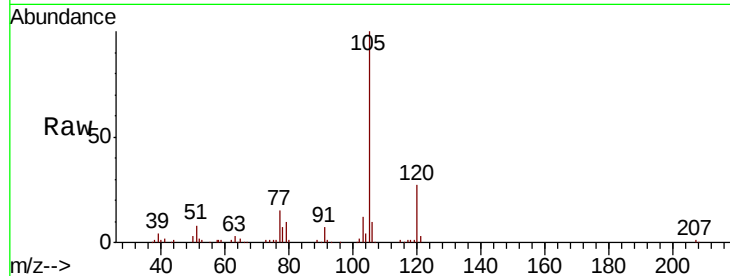
MDL-SOIL-03-QT2-2020DL

Tot Ion:105 Resp: 42855

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 2.509 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Tgt Ion: 43 Resp: 9861

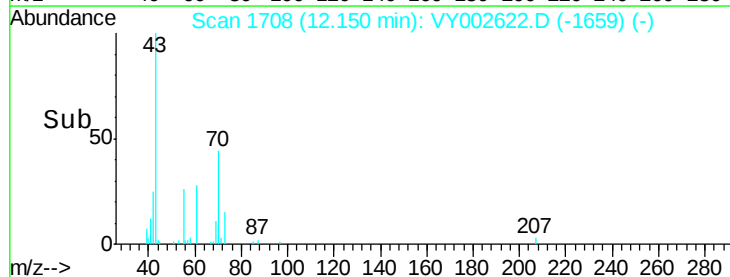
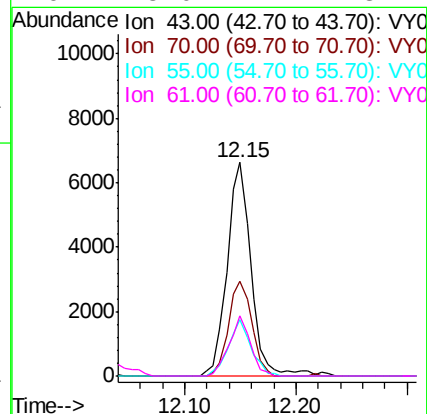
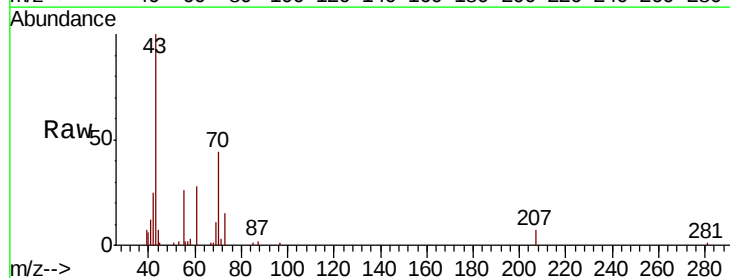
Ion Ratio Lower Upper

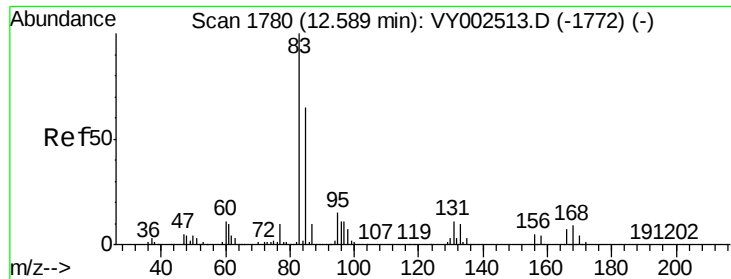
43 100

70 43.3 36.7 55.1

55 25.1 19.2 28.8

61 25.0 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 2.480 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

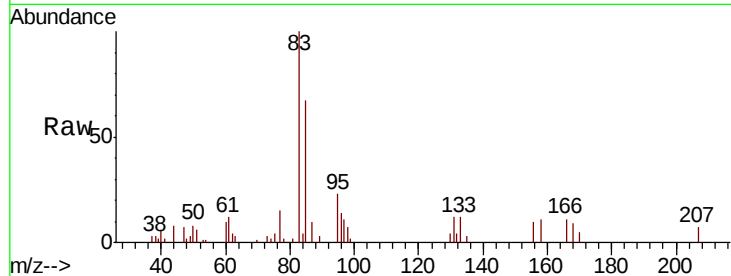
Tot Ion: 83 Resp: 6444

Ion Ratio Lower Upper

83 100

131 12.3 5.9 17.8

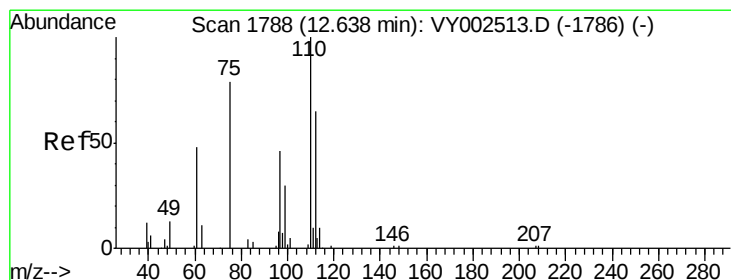
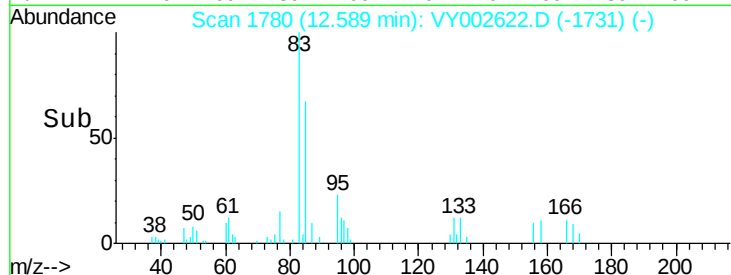
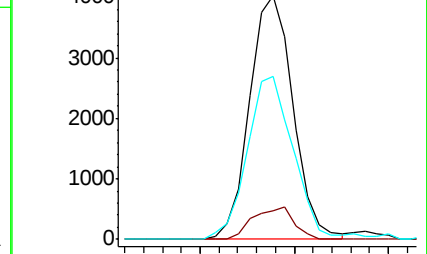
85 72.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002622.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY002622.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY002622.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 4.565 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002622.D

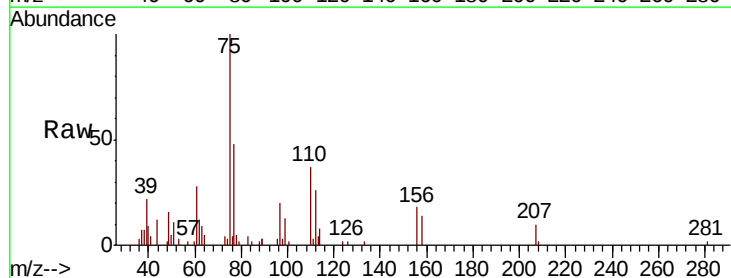
Acq: 07 May 2020 11:46

Tgt Ion: 75 Resp: 10229

Ion Ratio Lower Upper

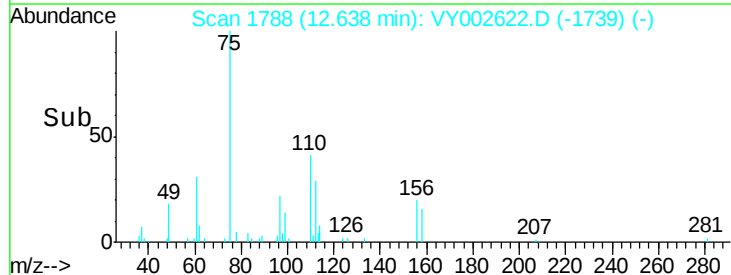
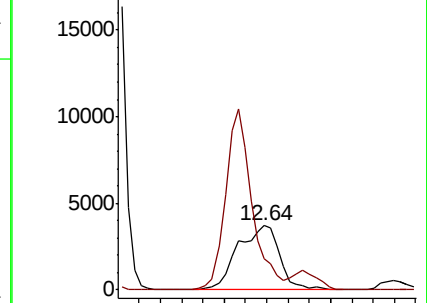
75 100

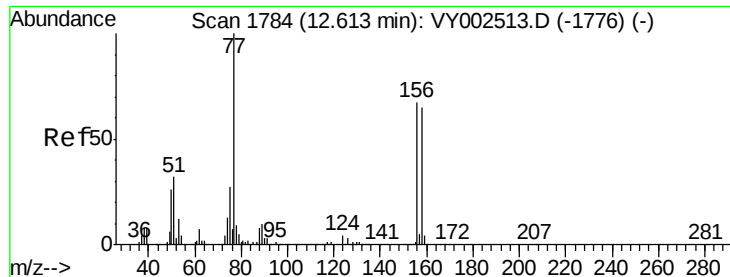
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002622.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY002622.D (-1739) (-)





#77

Bromobenzene

Concen: 2.654 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

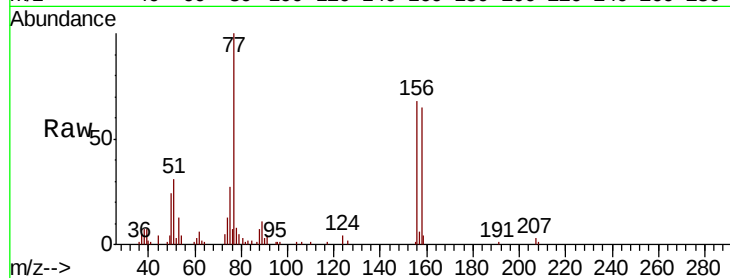
Tot Ion:156 Resp: 10834

Ion Ratio Lower Upper

156 100

77 167.4 82.0 245.8

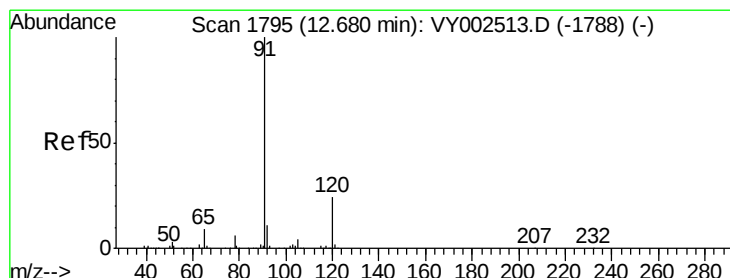
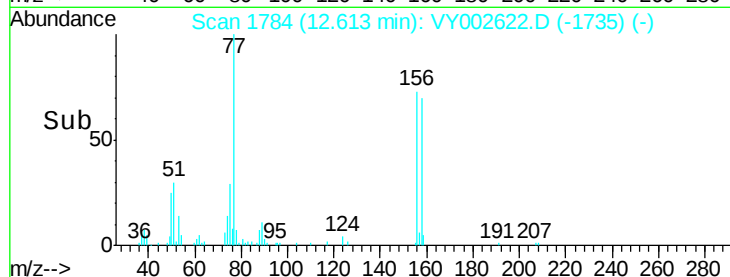
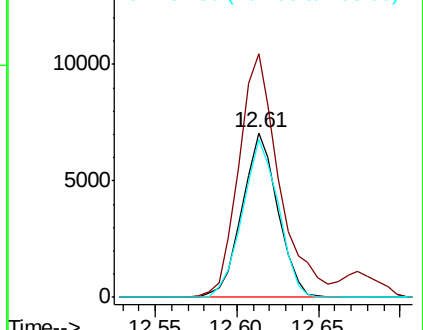
158 96.1 48.5 145.6



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: 2.654 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002622.D

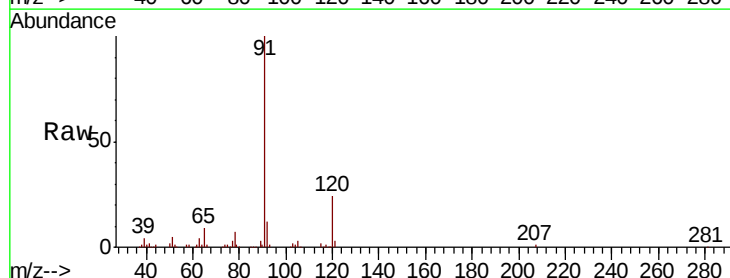
Acq: 07 May 2020 11:46

Tgt Ion: 91 Resp: 50321

Ion Ratio Lower Upper

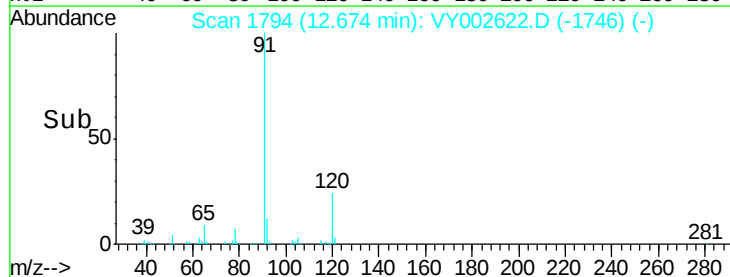
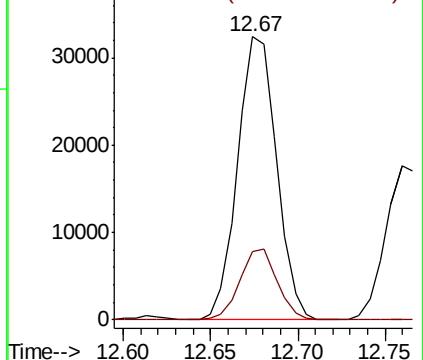
91 100

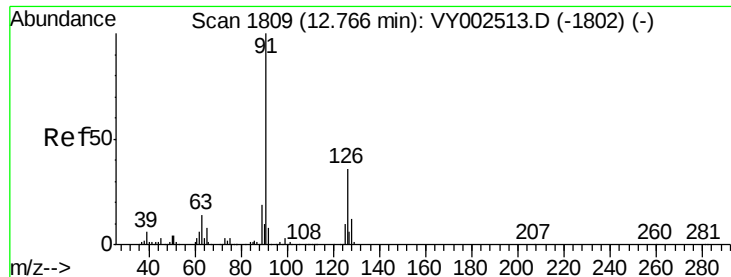
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

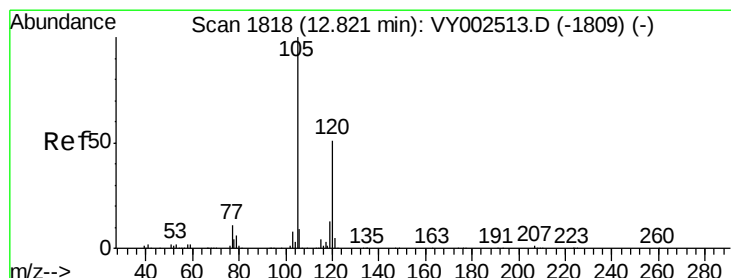
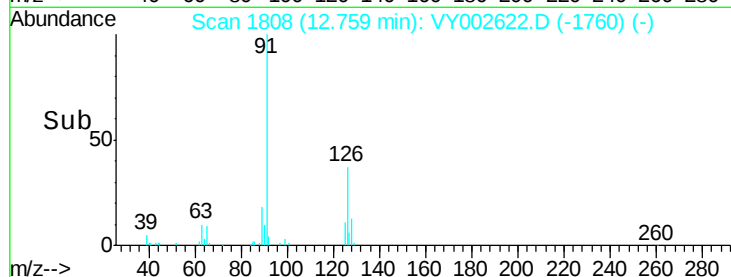
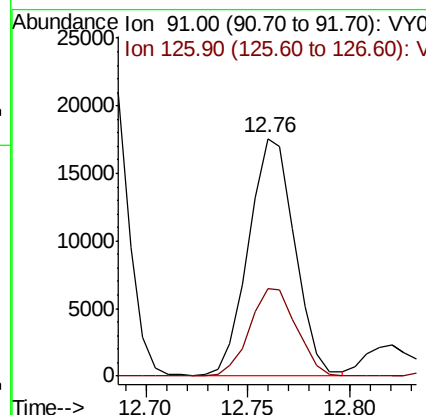
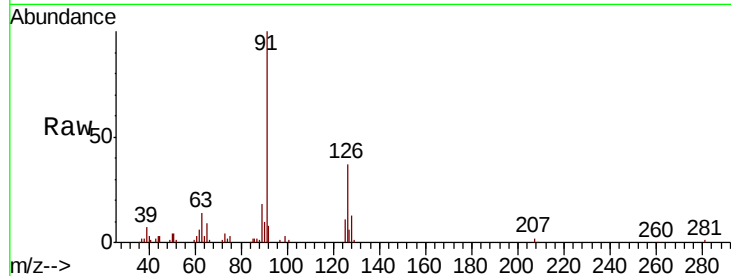




#79
 2-Chlorotoluene
 Concen: 2.653 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

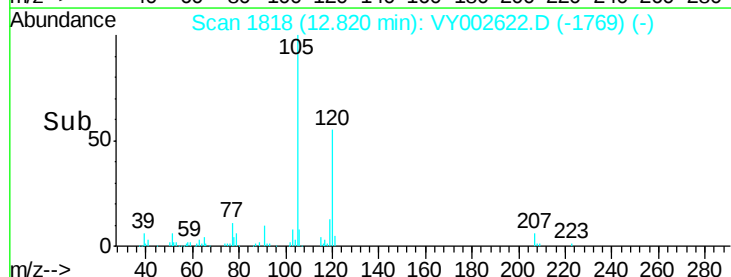
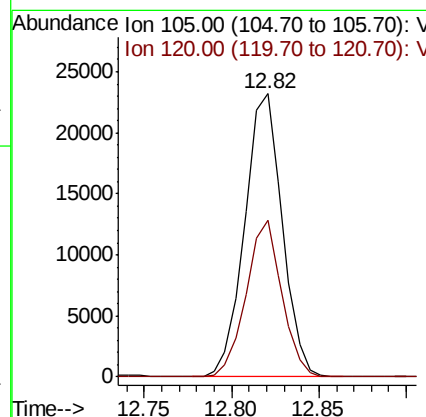
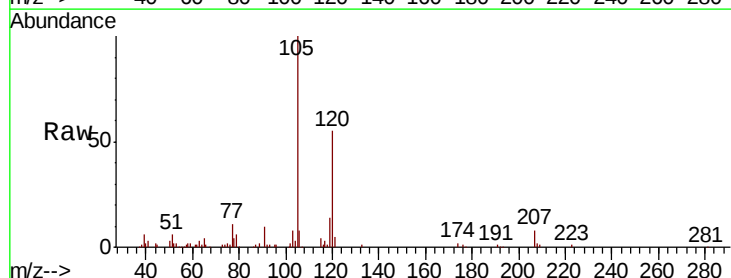
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

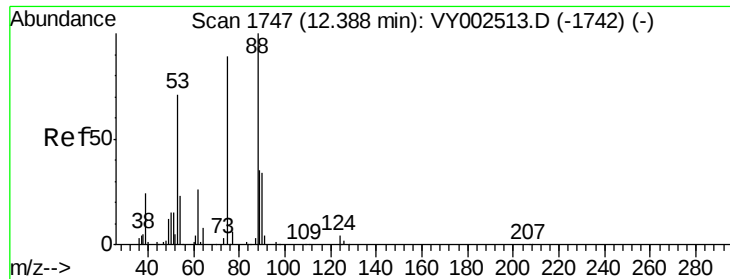
Tot Ion: 91 Resp: 27864
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 2.557 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion: 105 Resp: 34640
 Ion Ratio Lower Upper
 105 100
 120 52.4 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 89.224 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

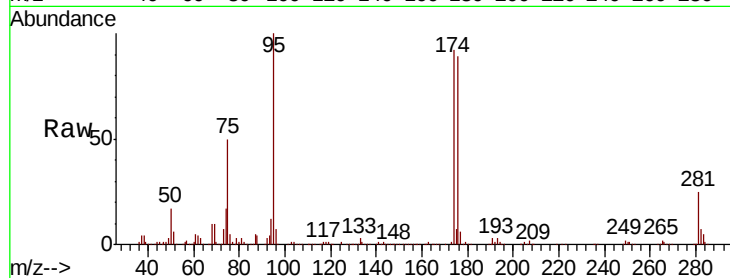
Tot Ion: 75 Resp: 99699

Ion Ratio Lower Upper

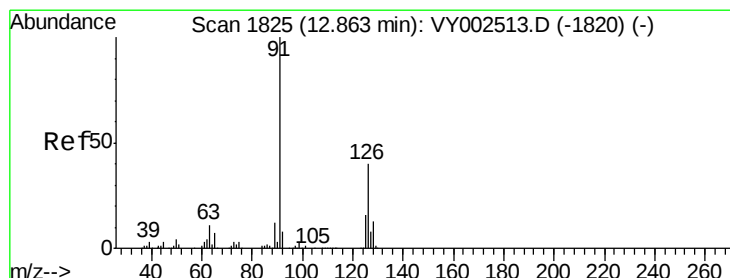
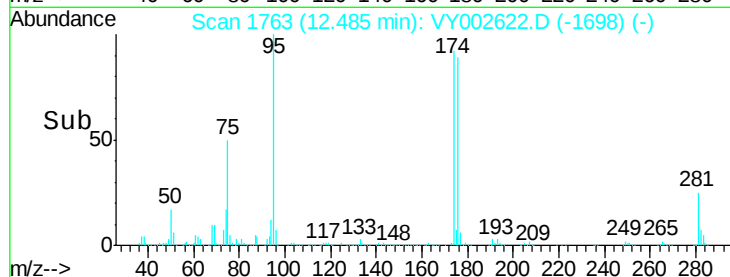
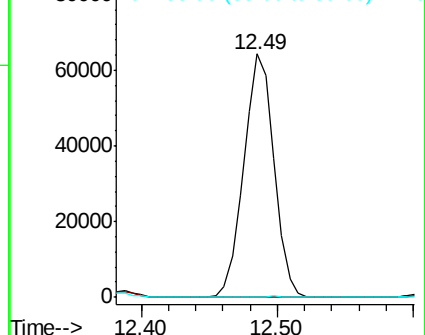
75 100

53 0.0 67.4 101.0#

89 0.3 37.4 56.0#



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: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002622.D

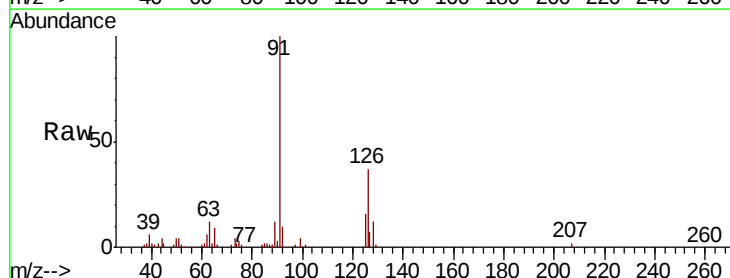
Acq: 07 May 2020 11:46

Tgt Ion: 91 Resp: 29751

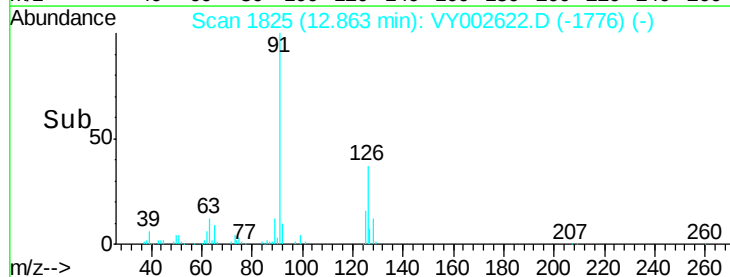
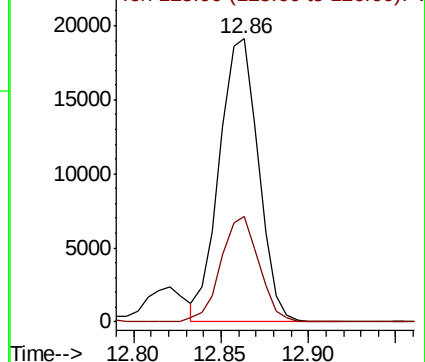
Ion Ratio Lower Upper

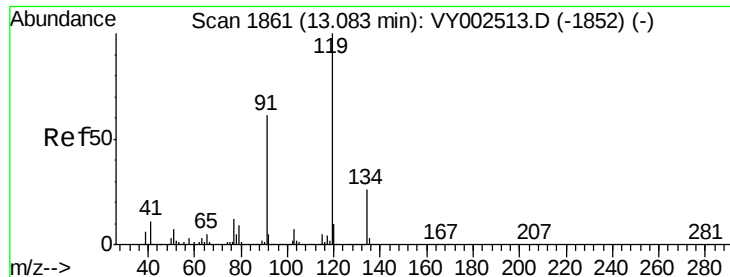
91 100

126 36.1 18.5 55.5



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





#83

tert-Butylbenzene

Concen: 2.633 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

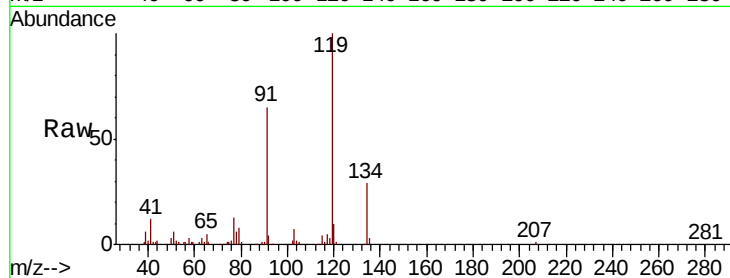
Tot Ion:119 Resp: 31266

Ion Ratio Lower Upper

119 100

91 64.7 30.6 91.6

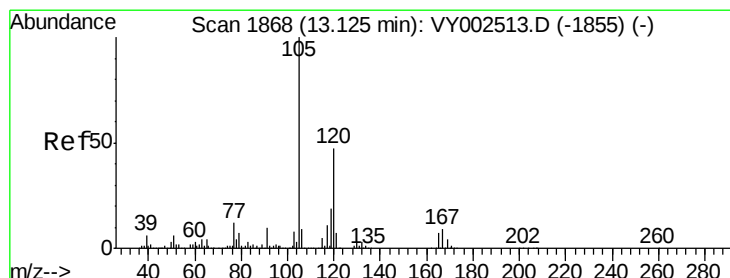
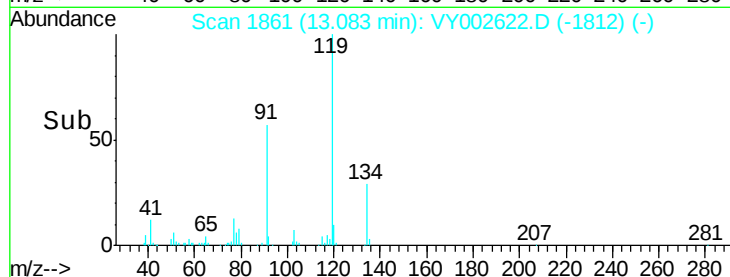
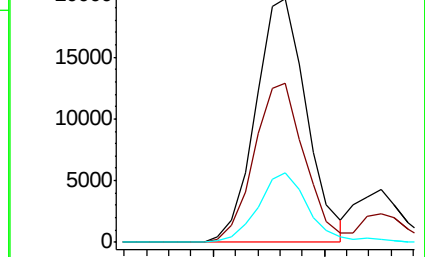
134 28.3 13.5 40.4



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: 2.627 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VY002622.D

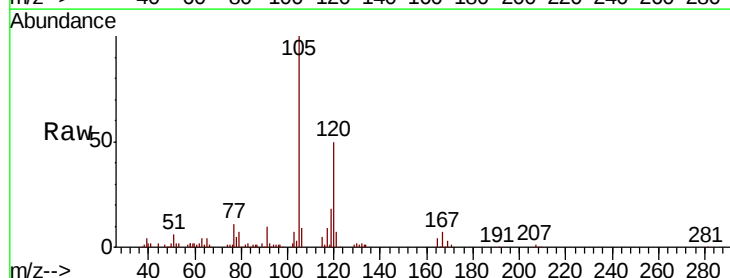
Acq: 07 May 2020 11:46

Tgt Ion:105 Resp: 35456

Ion Ratio Lower Upper

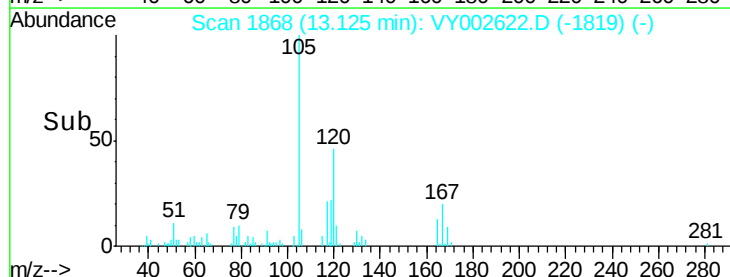
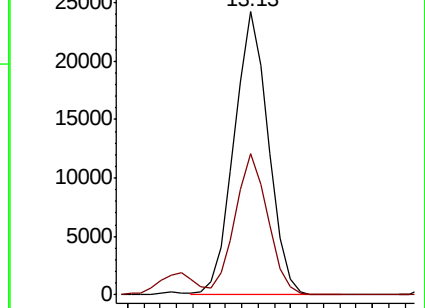
105 100

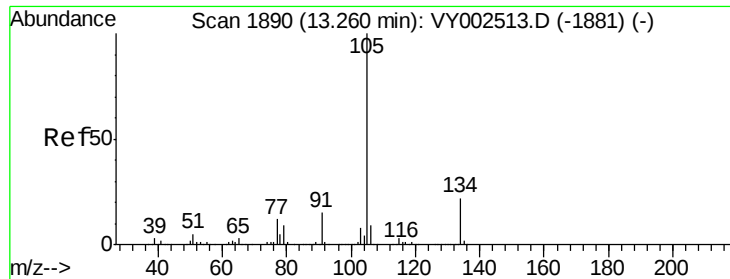
120 47.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.684 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

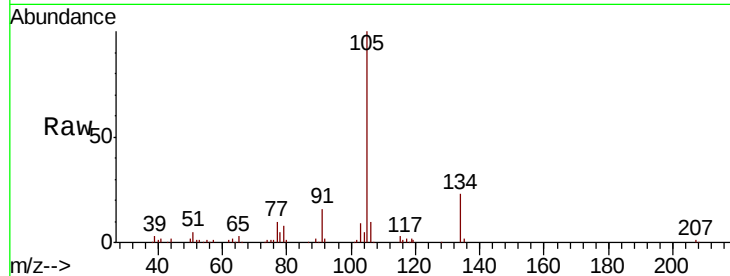
MDL-SOIL-03-QT2-2020DL

Tot Ion:105 Resp: 44240

Ion Ratio Lower Upper

105 100

134 21.1 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

30000

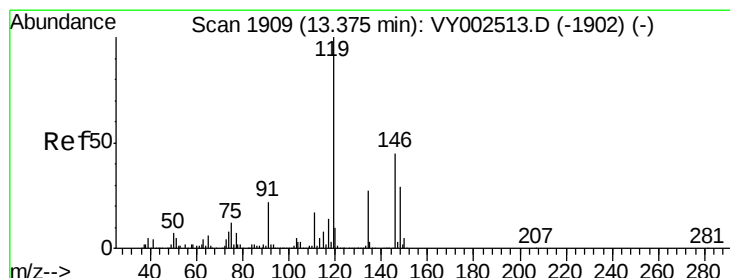
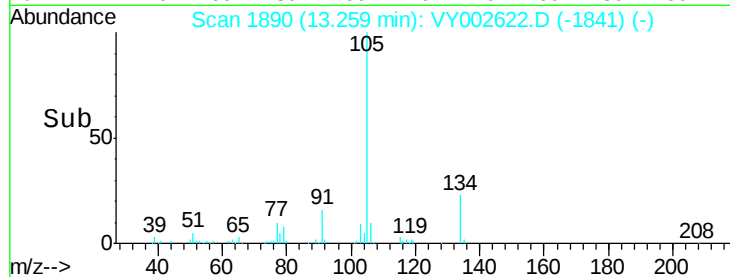
20000

10000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 2.688 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002622.D

Acq: 07 May 2020 11:46

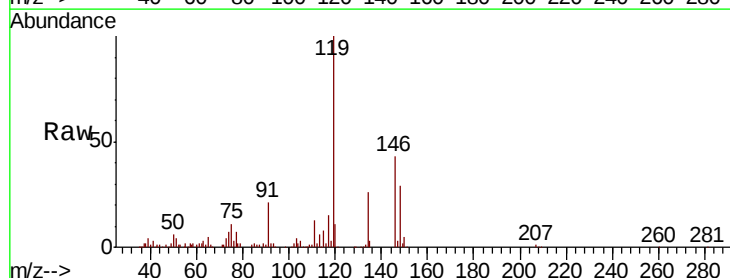
Tgt Ion:119 Resp: 41515

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.2 10.9 32.9



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

40000

30000

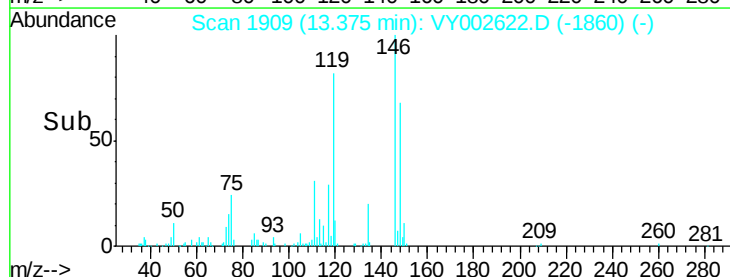
20000

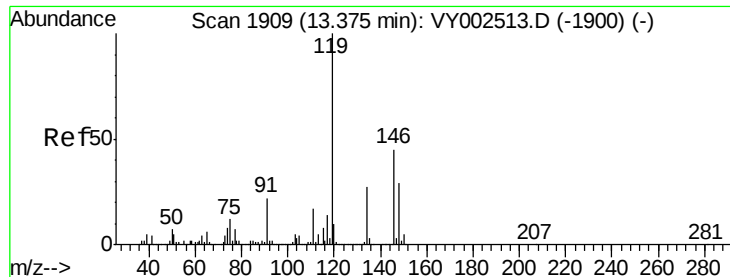
10000

0

Time-->

13.30 13.35 13.40

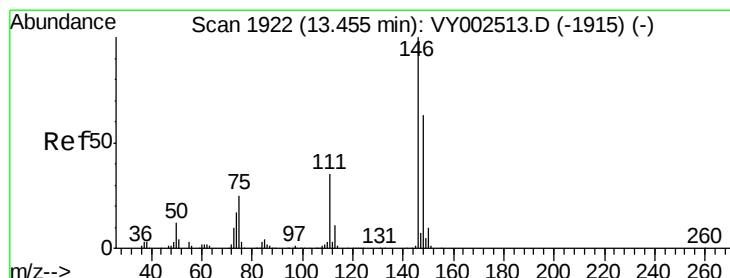
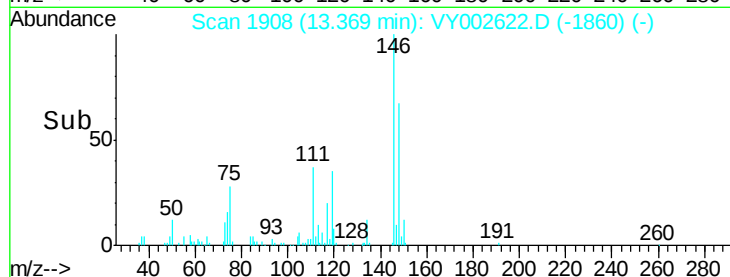
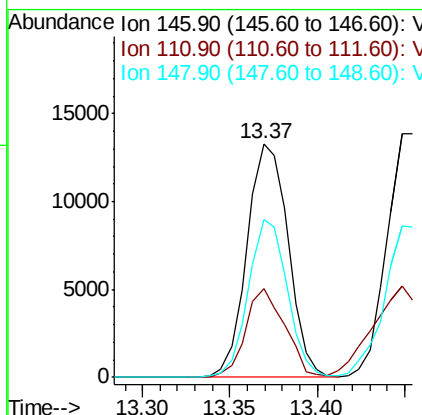
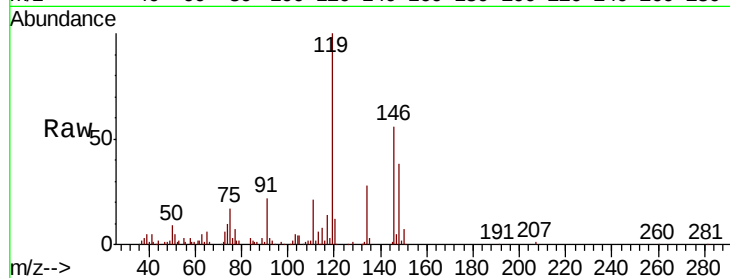




#87
 1,3-Dichlorobenzene
 Concen: 2.815 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

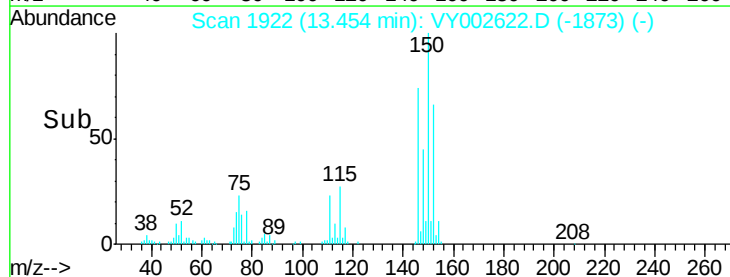
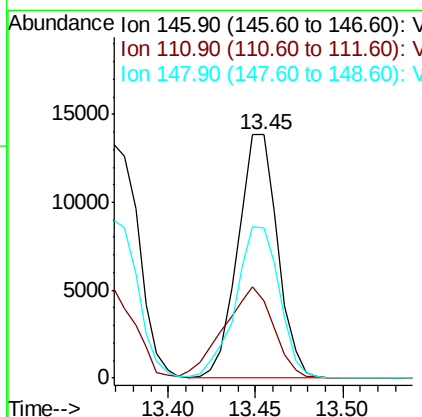
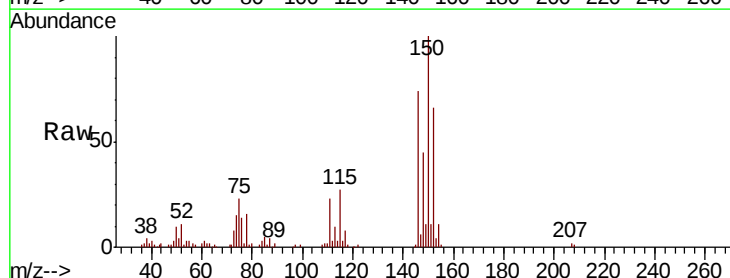
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

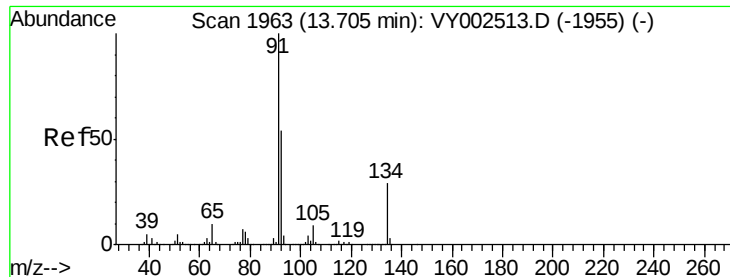
Tot Ion:146 Resp: 21749
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.8 56.3
 148 64.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.860 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion:146 Resp: 21884
 Ion Ratio Lower Upper
 146 100
 111 46.8 18.1 54.1
 148 68.8 31.9 95.5

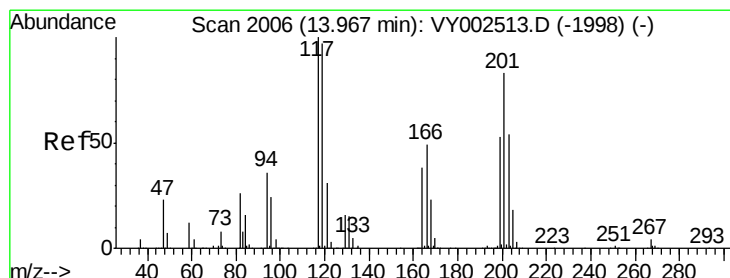
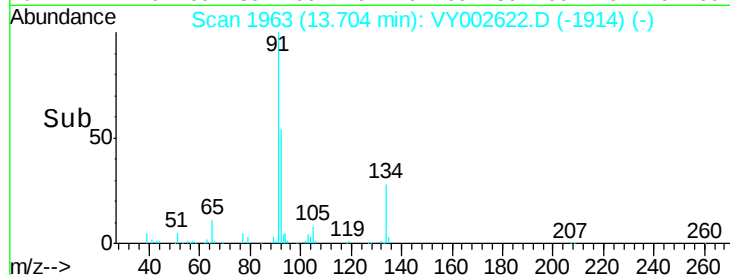
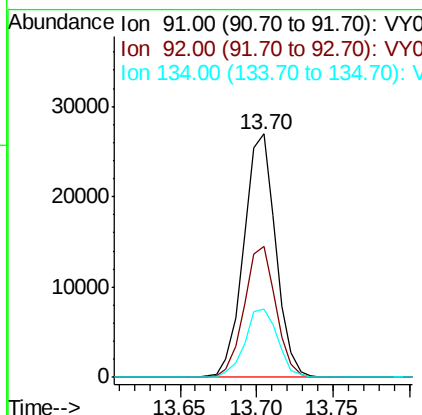
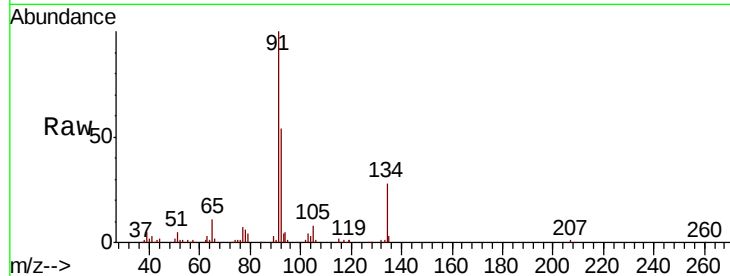




#89
n-Butylbenzene
Concen: 2.773 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

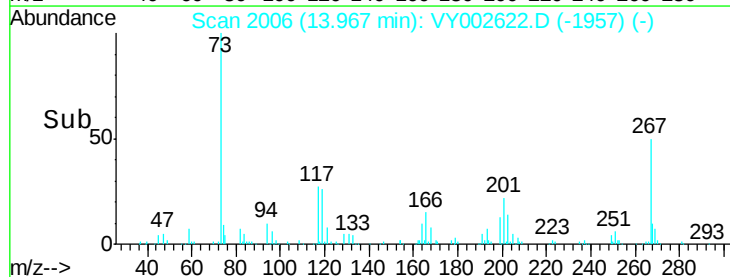
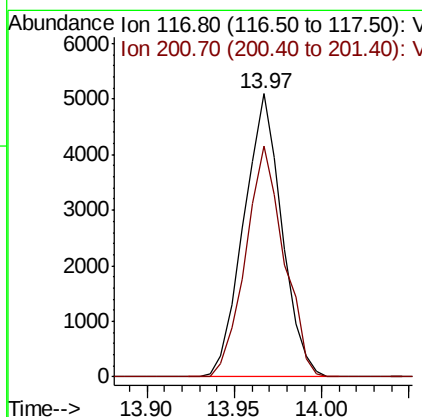
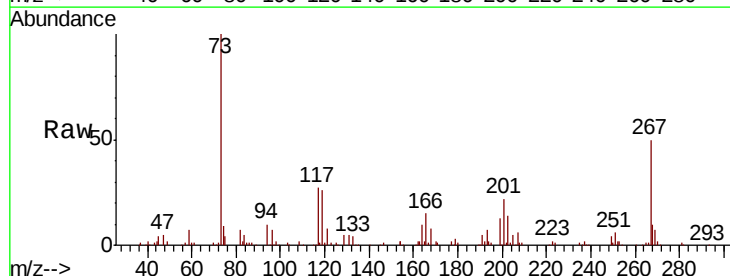
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

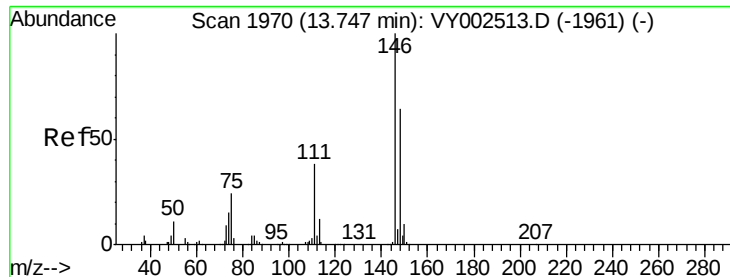
Tot Ion: 91 Resp: 38975
Ion Ratio Lower Upper
91 100
92 53.3 27.1 81.3
134 29.0 14.4 43.0



#90
Hexachloroethane
Concen: 2.741 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion: 117 Resp: 7708
Ion Ratio Lower Upper
117 100
201 82.1 44.4 133.2

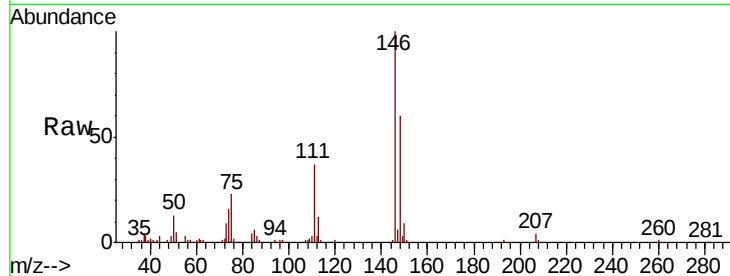




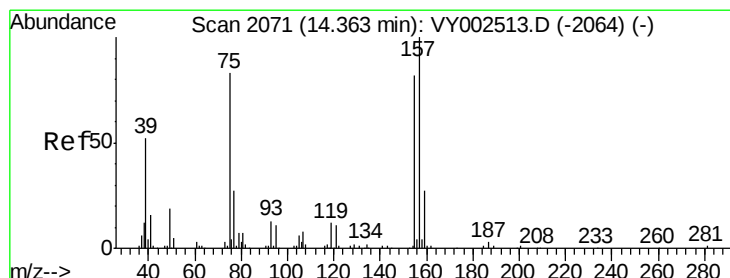
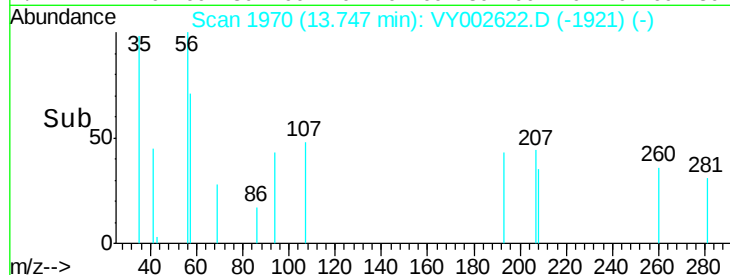
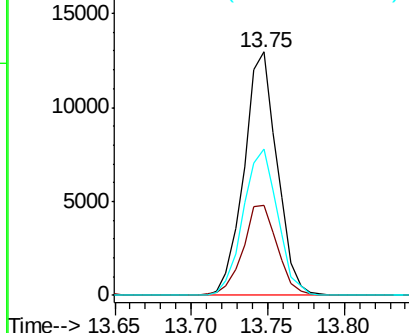
#91
 1,2-Dichlorobenzene
 Concen: 2.822 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	62.6	31.9	95.7

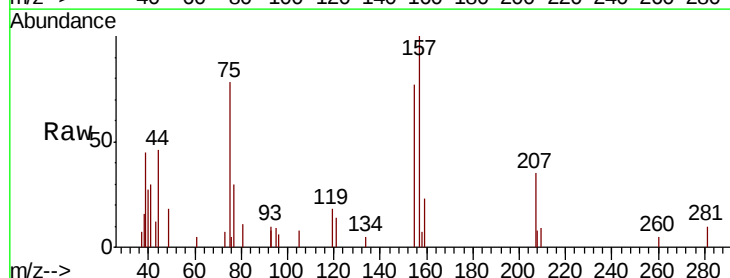


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

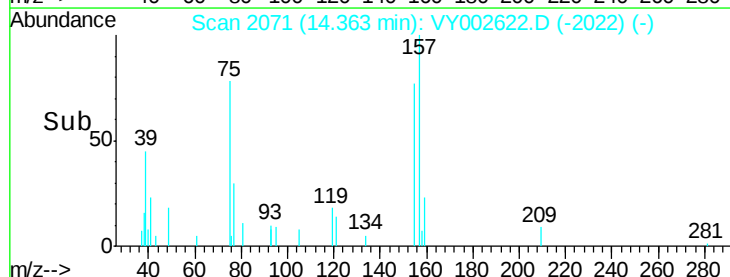
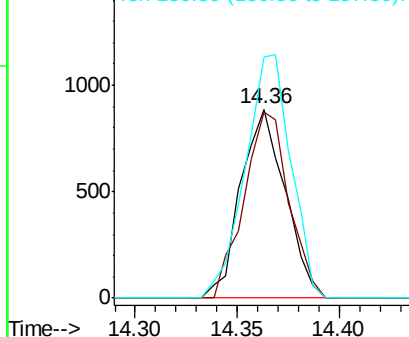


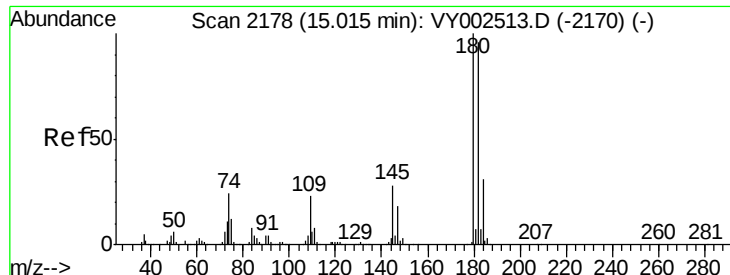
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.770 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	51.3	153.9
157	133.2	65.0	195.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

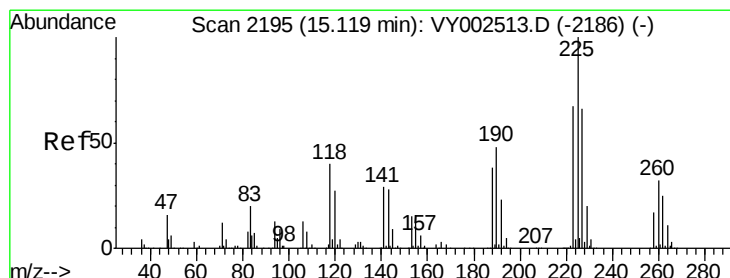
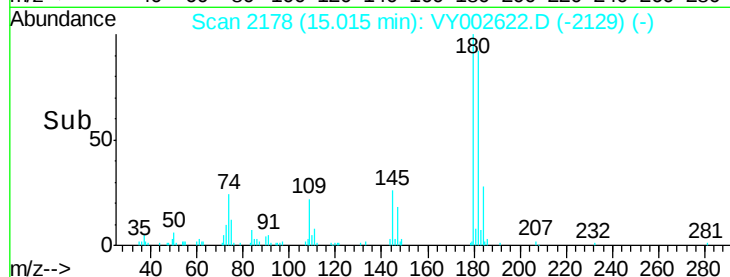
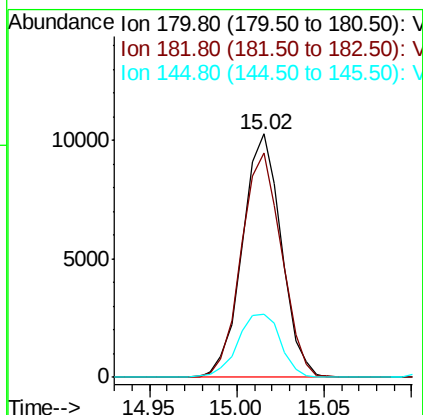
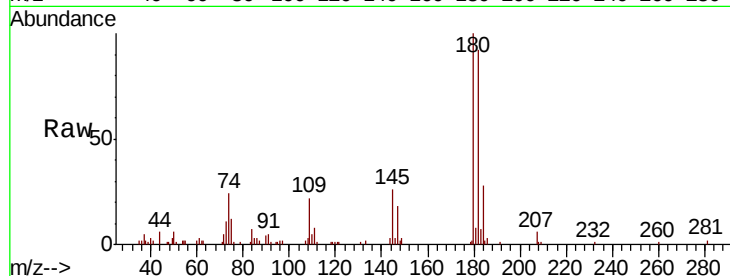




#93
 1,2,4-Trichlorobenzene
 Concen: 3.173 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

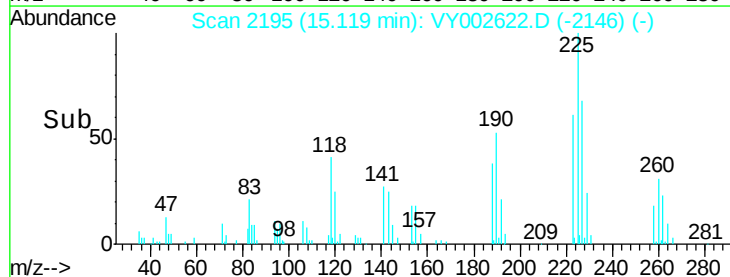
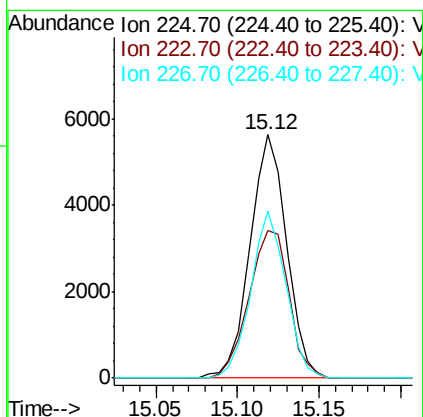
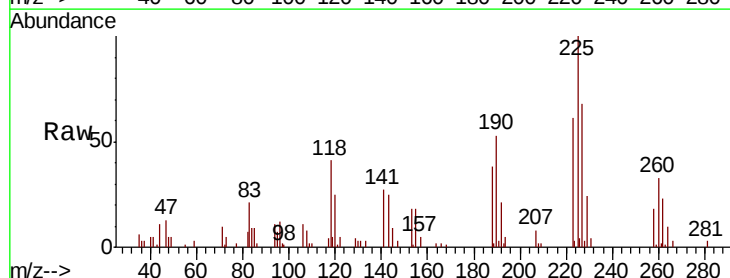
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

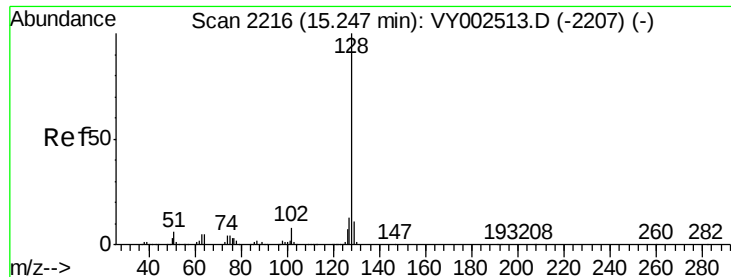
Tot Ion:180 Resp: 15884
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.6
 145 28.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 2.927 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002622.D
 Acq: 07 May 2020 11:46

Tgt Ion:225 Resp: 8795
 Ion Ratio Lower Upper
 225 100
 223 66.6 32.1 96.5
 227 65.9 32.0 96.2

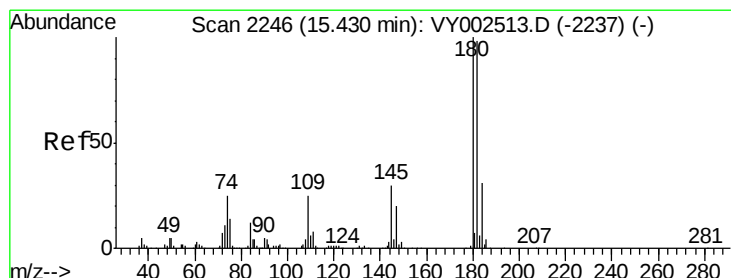
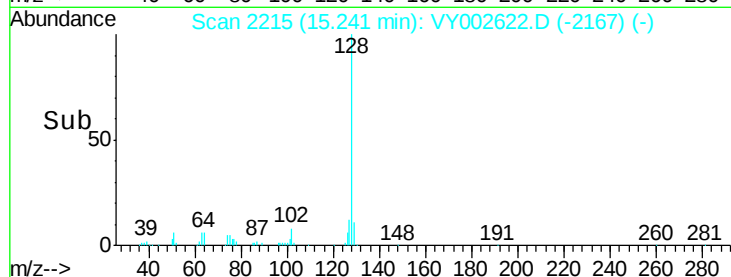
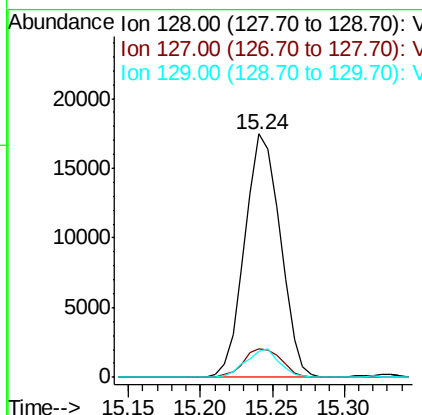
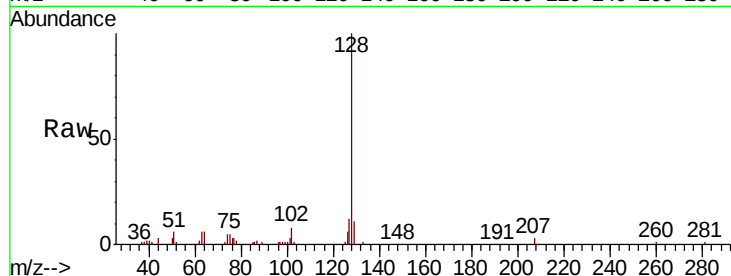




#95
Naphthalene
Concen: 3.277 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

Tot Ion:128 Resp: 29920
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 3.441 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002622.D
Acq: 07 May 2020 11:46

Tgt Ion:180 Resp: 14622
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.8
145 30.7 15.0 45.1

