

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002623.D
 Acq On : 07 May 2020 12:08
 Operator : SY/MD
 Sample : L2182-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 07 13:17:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 13:09:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	353652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	534369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	481623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	247398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	147160	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.73	113	157286	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.19	98	617977	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.49	95	210657	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	11495	4.280	ug/l	99
3) Chloromethane	2.12	50	13991	4.883	ug/l	97
4) Vinyl Chloride	2.26	62	14876	4.496	ug/l	96
5) Bromomethane	2.66	94	11221	4.918	ug/l	100
6) Chloroethane	2.80	64	9224	4.669	ug/l	97
7) Trichlorofluoromethane	3.14	101	23016	4.489	ug/l	99
8) Diethyl Ether	3.54	74	7931	4.603	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	14742	4.704	ug/l	100
10) Methyl Iodide	4.11	142	17238	4.037	ug/l	99
11) Tert butyl alcohol	4.97	59	7970	26.052	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	14602	4.796	ug/l	96
13) Acrolein	3.74	56	3265	15.434	ug/l	93
14) Allyl chloride	4.49	41	20405	4.600	ug/l	99
15) Acrylonitrile	5.19	53	17420	21.437	ug/l	98
16) Acetone	3.96	43	12858	20.952	ug/l	99
17) Carbon Disulfide	4.21	76	41663	4.549	ug/l	99
18) Methyl Acetate	4.50	43	10490	5.116	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	34446	4.337	ug/l	98
20) Methylene Chloride	4.74	84	18832	5.488	ug/l	94
21) trans-1,2-Dichloroethene	5.24	96	15705	4.720	ug/l	92
22) Diisopropyl ether	6.14	45	41371	4.609	ug/l	93
23) Vinyl Acetate	6.08	43	113861	20.172	ug/l	98
24) 1,1-Dichloroethane	6.04	63	24482	4.611	ug/l	98
25) 2-Butanone	7.01	43	21246	21.150	ug/l	97
26) 2,2-Dichloropropane	7.00	77	23679	4.692	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	17501	4.753	ug/l	98
28) Bromochloromethane	7.35	49	10110	4.647	ug/l	97
29) Tetrahydrofuran	7.36	42	14315	21.538	ug/l	97
30) Chloroform	7.52	83	25268	4.577	ug/l	95
31) Cyclohexane	7.80	56	29247	5.472	ug/l #	84
32) 1,1,1-Trichloroethane	7.71	97	23511	4.582	ug/l	98
36) 1,1-Dichloropropene	7.93	75	20575	4.593	ug/l	100
37) Ethyl Acetate	7.10	43	10314	4.480	ug/l #	93
38) Carbon Tetrachloride	7.91	117	21862	4.470	ug/l	98

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

39) Methylcyclohexane	9.19	83	27059	4.573	ug/l	94
40) Benzene	8.17	78	59939	4.633	ug/l	97
41) Methacrylonitrile	7.35	41	13067	10.557	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	15696	4.325	ug/l	99
43) Isopropyl Acetate	8.28	43	17929	4.154	ug/l	100
44) Trichloroethene	8.95	130	18988	4.696	ug/l	97
45) 1,2-Dichloropropane	9.22	63	14366	4.601	ug/l	99
46) Dibromomethane	9.32	93	7633	4.249	ug/l	98
47) Bromodichloromethane	9.50	83	18437	4.220	ug/l	96
48) Methyl methacrylate	9.30	41	7742	3.964	ug/l	95
49) 1,4-Dioxane	9.31	88	1981	83.278	ug/l #	90
51) 4-Methyl-2-Pentanone	10.08	43	49301	22.164	ug/l	99
52) Toluene	10.25	92	38515	4.632	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	19016	4.155	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	22301	4.215	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	11660	4.450	ug/l	97
56) Ethyl methacrylate	10.52	69	14146	4.059	ug/l	97
57) 1,3-Dichloropropane	10.80	76	19103	4.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	40275	21.912	ug/l	98
59) 2-Hexanone	10.84	43	29881	19.517	ug/l	99
60) Dibromochloromethane	10.99	129	14578	4.375	ug/l	96
61) 1,2-Dibromoethane	11.10	107	11385	4.389	ug/l	97
64) Tetrachloroethene	10.72	164	21279	4.973	ug/l	94
65) Chlorobenzene	11.52	112	41807	4.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	14985	4.409	ug/l	100
67) Ethyl Benzene	11.60	91	74257	4.617	ug/l	98
68) m/p-Xylenes	11.70	106	56328	9.052	ug/l	99
69) o-Xylene	12.03	106	26236	4.503	ug/l	99
70) Styrene	12.05	104	44620	4.480	ug/l	99
71) Bromoform	12.21	173	8489	4.024	ug/l #	96
73) Isopropylbenzene	12.33	105	72870	4.545	ug/l	99
74) N-amyl acetate	12.15	43	15309	3.969	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	10512	4.122	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	16408	7.463	ug/l #	100
77) Bromobenzene	12.61	156	18110	4.521	ug/l	99
78) n-propylbenzene	12.67	91	86560	4.652	ug/l	100
79) 2-Chlorotoluene	12.76	91	47679	4.626	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	60596	4.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	4231	3.859	ug/l	96
82) 4-Chlorotoluene	12.86	91	49472	4.570	ug/l	100
83) tert-Butylbenzene	13.08	119	52782	4.529	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	59978	4.528	ug/l	98
85) sec-Butylbenzene	13.26	105	74667	4.617	ug/l	99
86) p-Isopropyltoluene	13.38	119	70382	4.645	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	35446	4.675	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	34763	4.630	ug/l	91
89) n-Butylbenzene	13.70	91	63988	4.639	ug/l	99
90) Hexachloroethane	13.97	117	12818	4.645	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	30328	4.483	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1937	4.075	ug/l	97

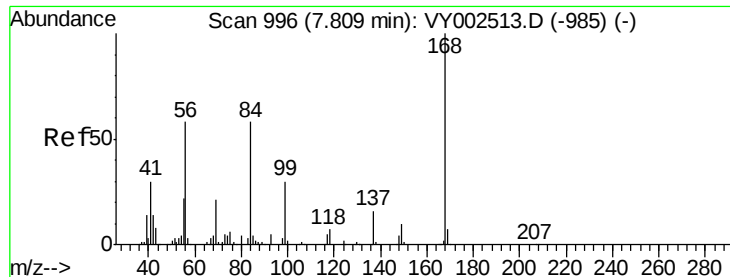
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	22569	4.595	ug/l	98
94) Hexachlorobutadiene	15.12	225	14433	4.895	ug/l	97
95) Naphthalene	15.25	128	38157	4.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	19372	4.646	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

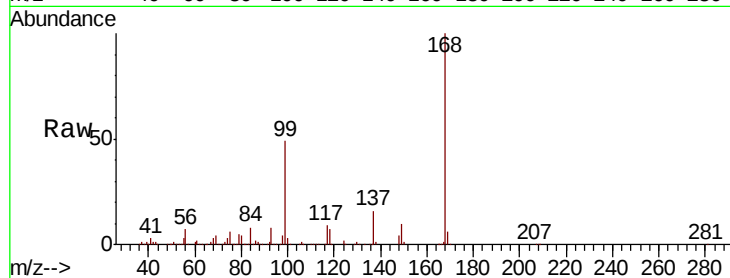
MDL-SOIL-03-QT2-2020DL

Tot Ion:168 Resp: 353652

Ion Ratio Lower Upper

168 100

99 49.5 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) (-)

7.80

150000

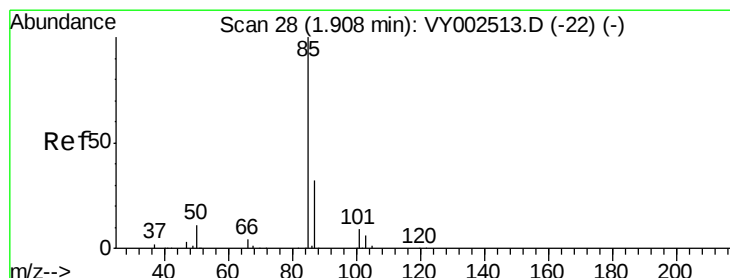
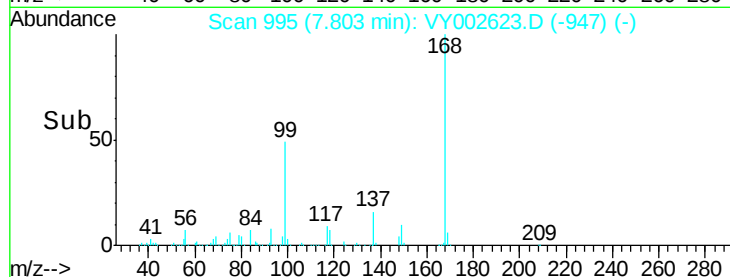
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.280 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002623.D

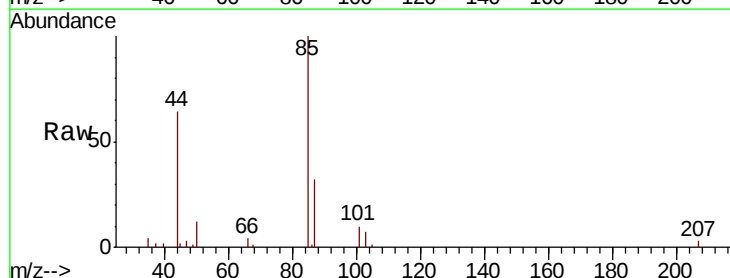
Acq: 07 May 2020 12:08

Tgt Ion: 85 Resp: 11495

Ion Ratio Lower Upper

85 100

87 31.9 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

8000

6000

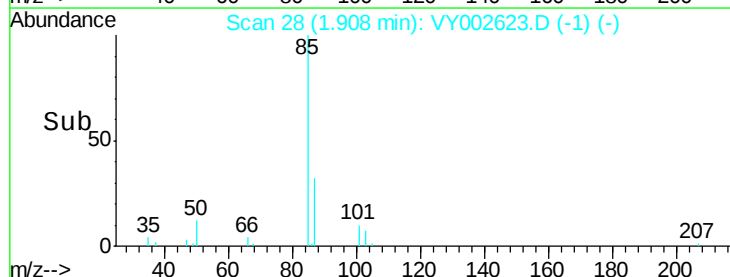
4000

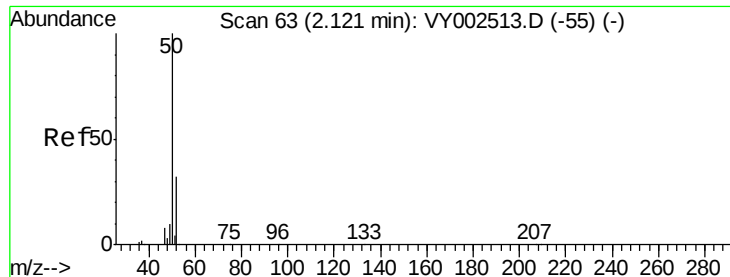
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.883 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

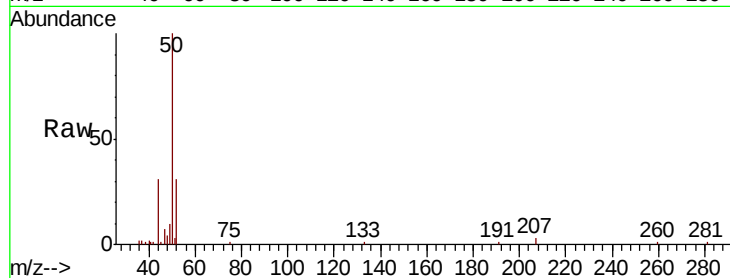
MDL-SOIL-03-QT2-2020DL

Tot Ion: 50 Resp: 13991

Ion Ratio Lower Upper

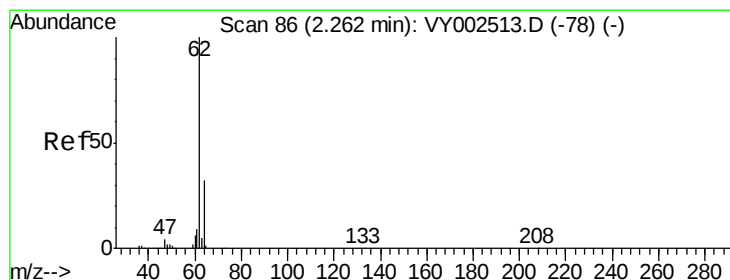
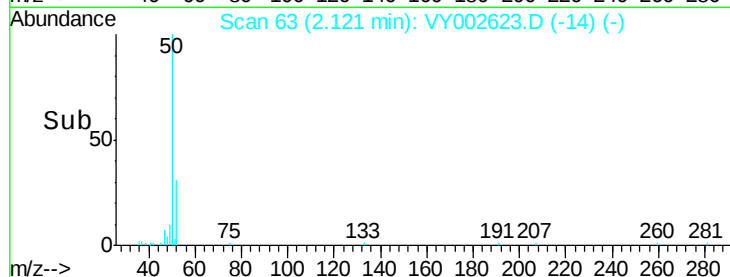
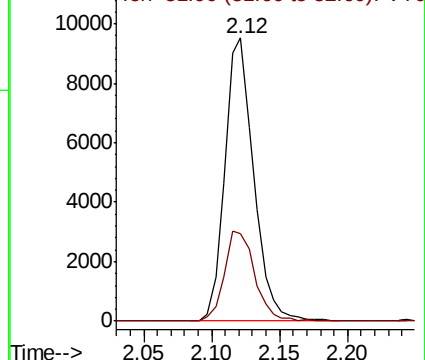
50 100

52 30.7 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: 4.496 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002623.D

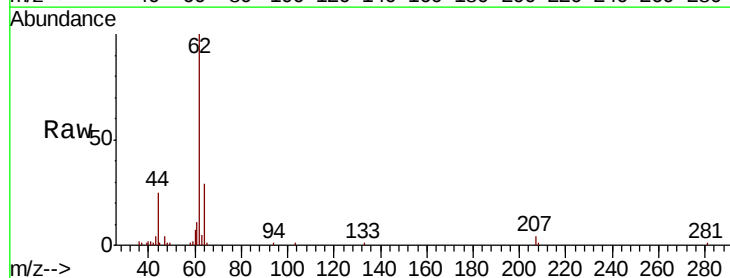
Acq: 07 May 2020 12:08

Tgt Ion: 62 Resp: 14876

Ion Ratio Lower Upper

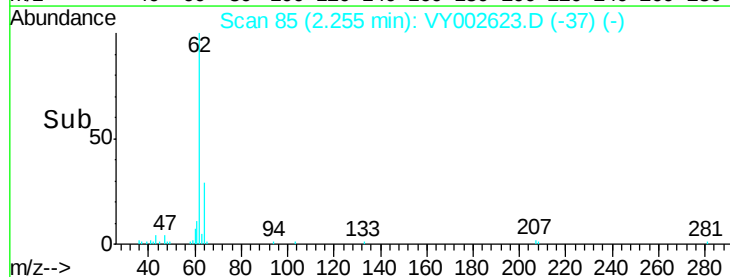
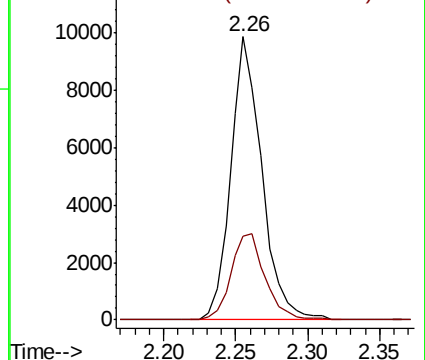
62 100

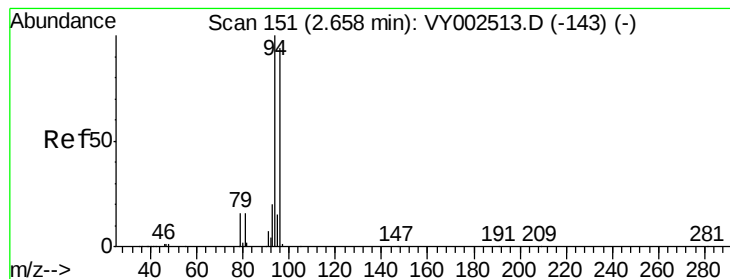
64 29.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 4.918 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

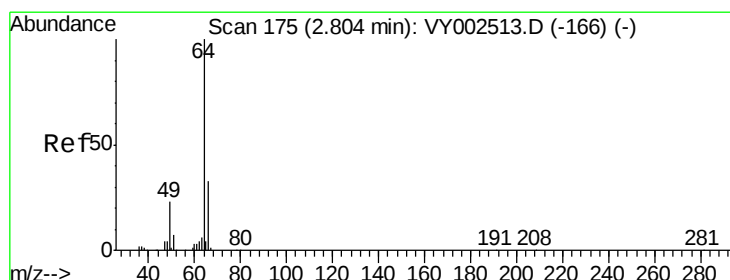
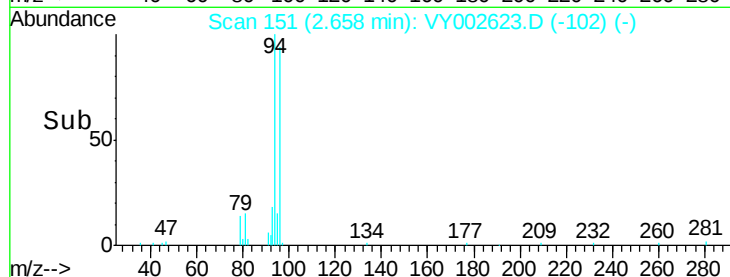
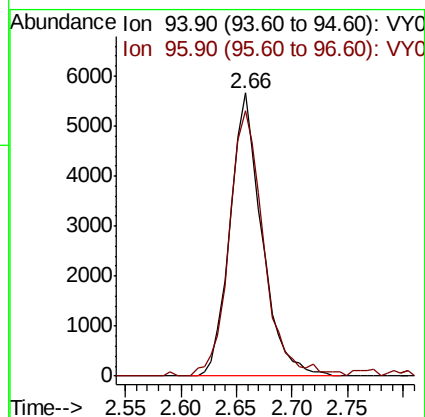
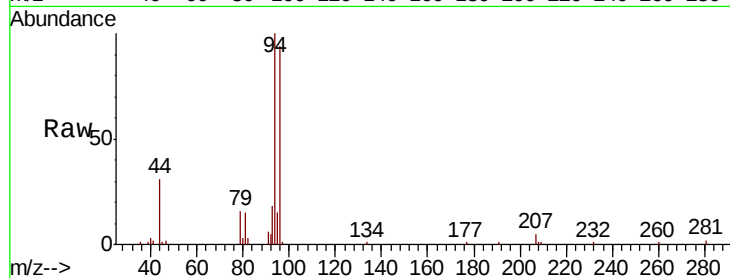
MDL-SOIL-03-QT2-2020DL

Tot Ion: 94 Resp: 11221

Ion Ratio Lower Upper

94 100

96 93.9 74.9 112.3



#6

Chloroethane

Concen: 4.669 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002623.D

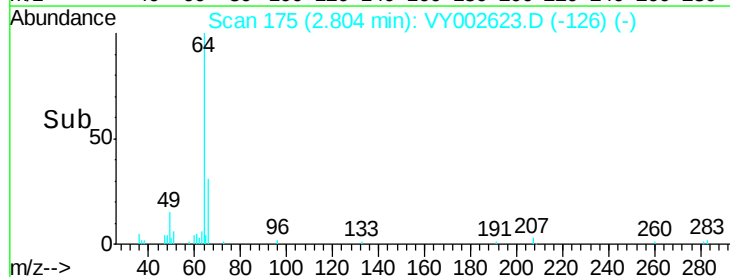
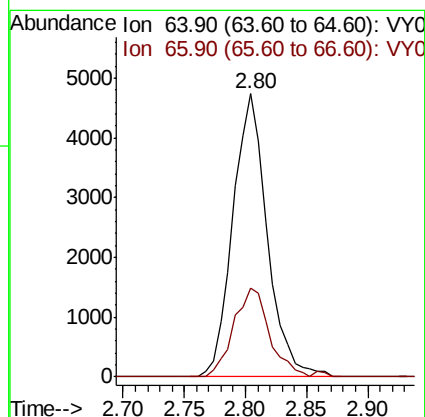
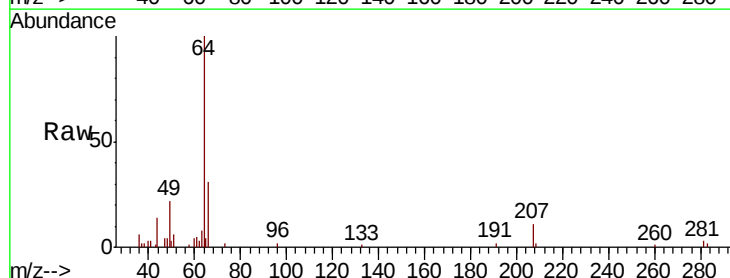
Acq: 07 May 2020 12:08

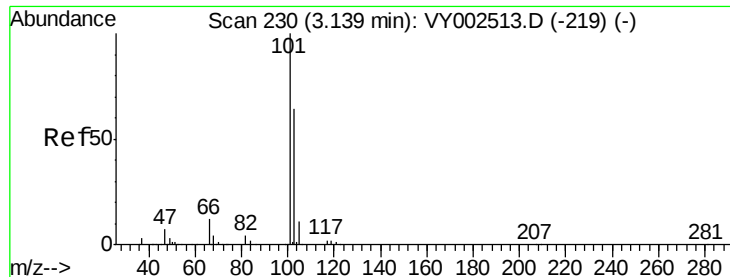
Tgt Ion: 64 Resp: 9224

Ion Ratio Lower Upper

64 100

66 31.4 26.3 39.5



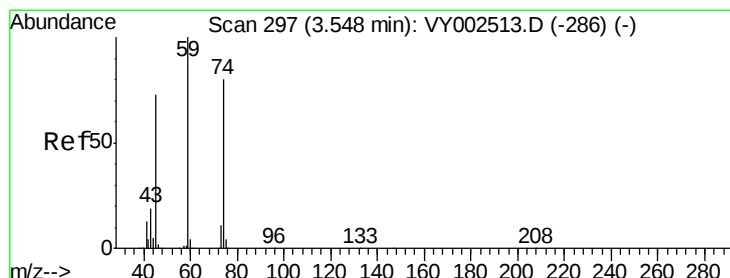
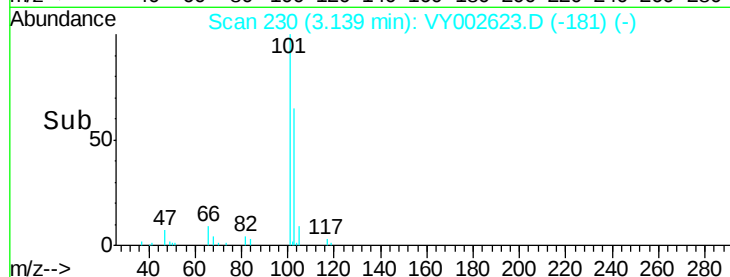
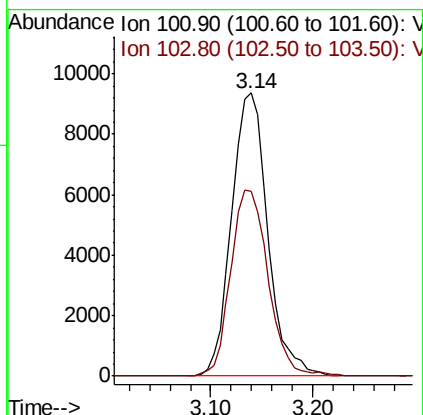
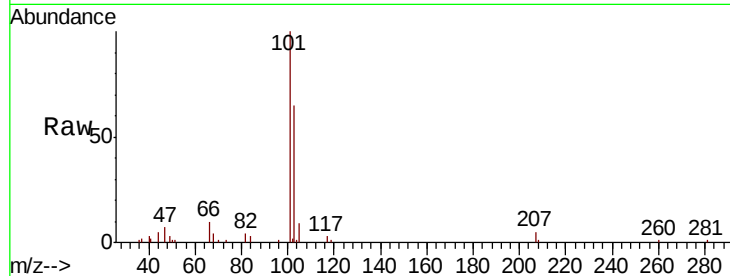


#7

Trichlorofluoromethane
Concen: 4.489 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

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MDL-SOIL-03-QT2-2020DL

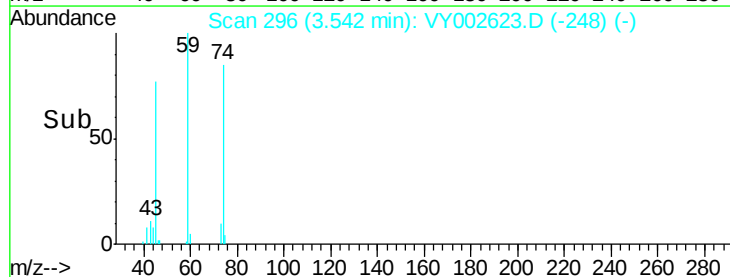
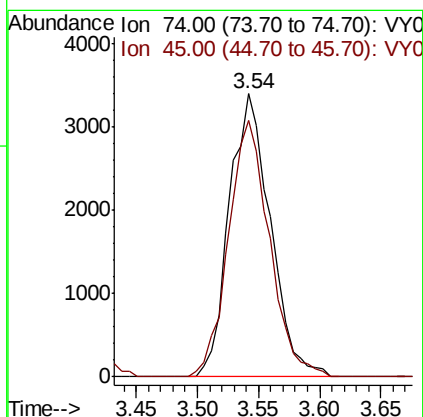
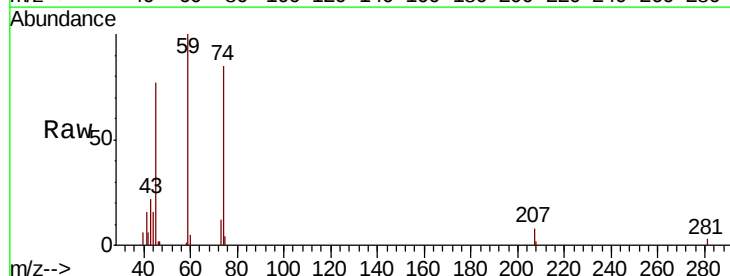
Tot Ion:101 Resp: 23016
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.0

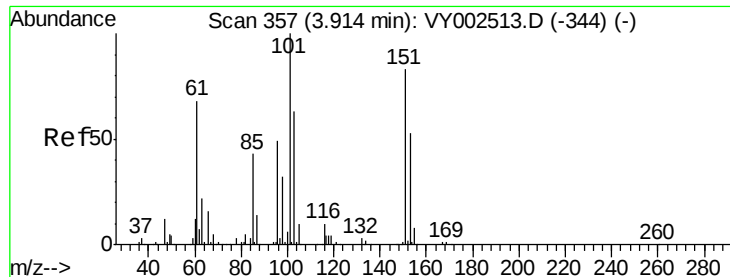


#8

Diethyl Ether
Concen: 4.603 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 74 Resp: 7931
Ion Ratio Lower Upper
74 100
45 90.3 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.704 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

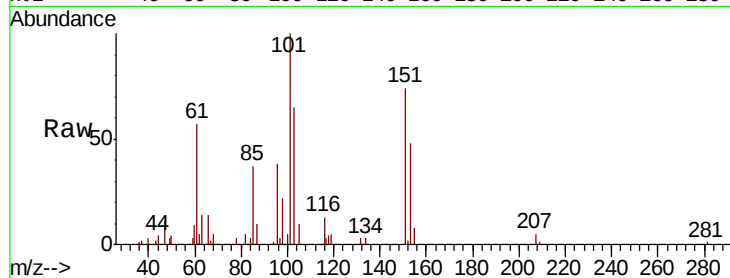
Tot Ion:101 Resp: 14742

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.2

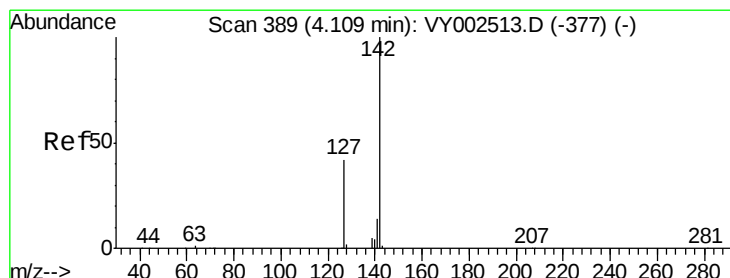
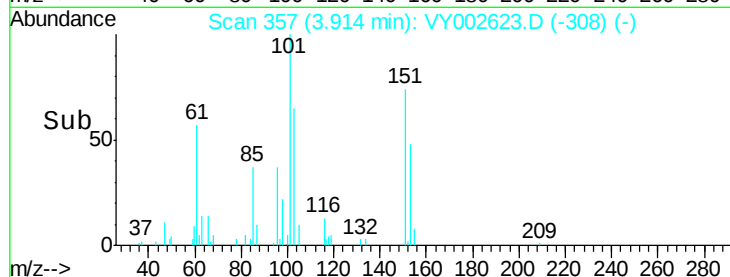
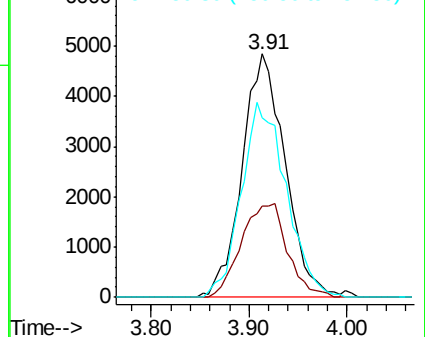
151 83.8 66.8 100.2



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: 4.037 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

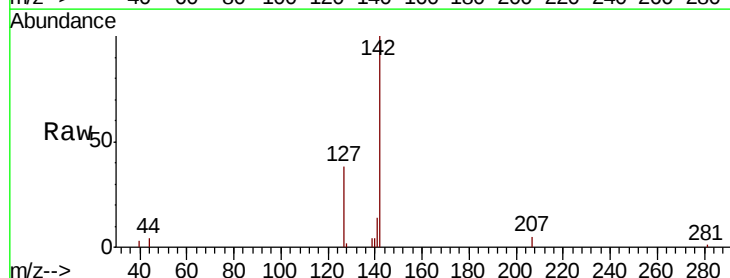
Tgt Ion:142 Resp: 17238

Ion Ratio Lower Upper

142 100

127 42.0 33.7 50.5

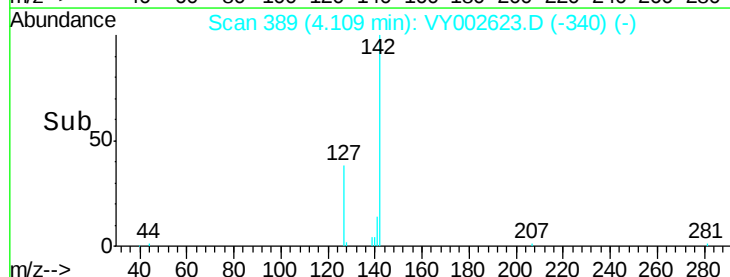
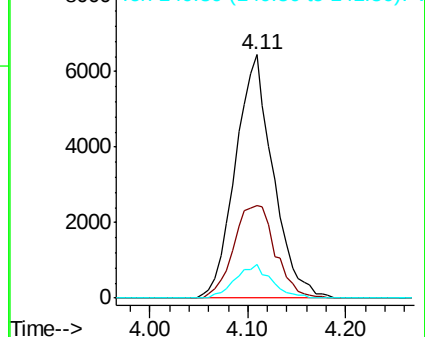
141 13.2 11.4 17.0

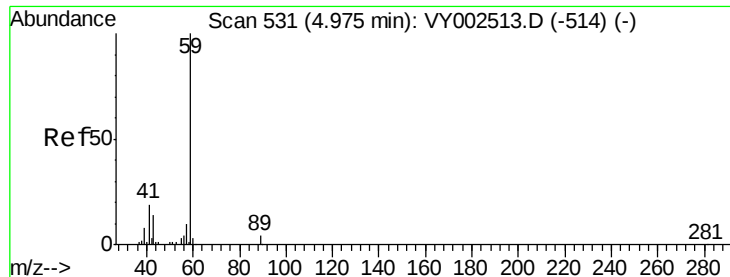


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



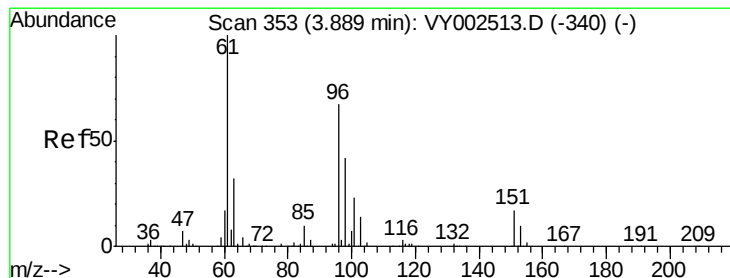
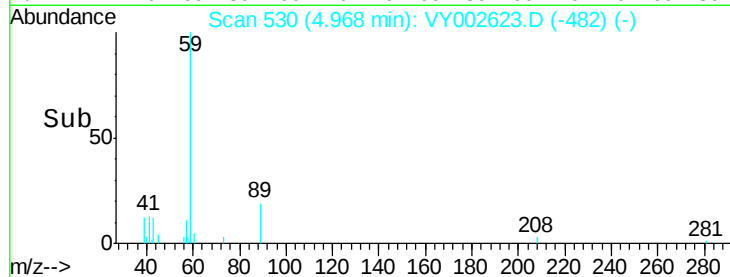
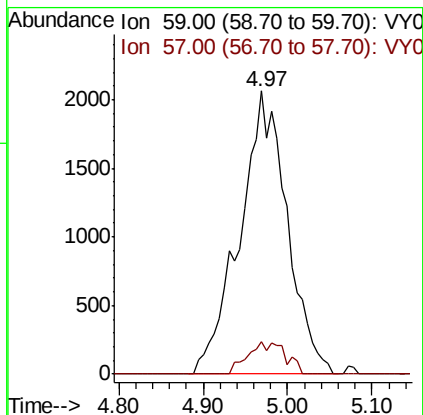
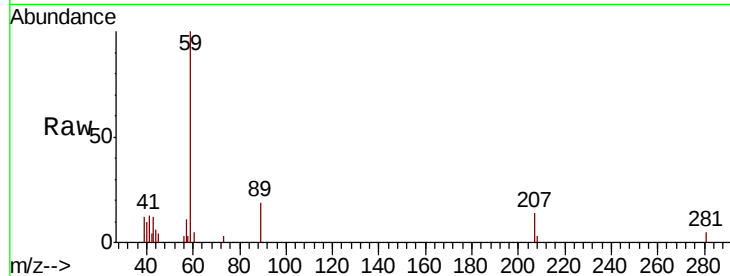


#11

Tert butyl alcohol
 Concen: 26.052 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

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

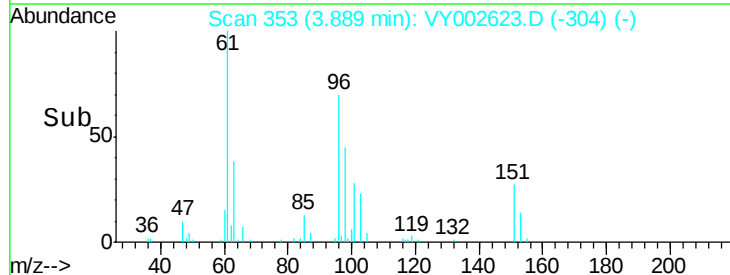
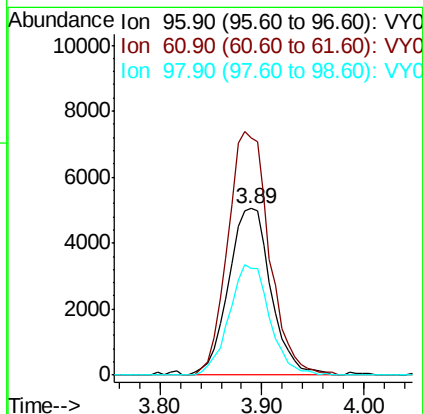
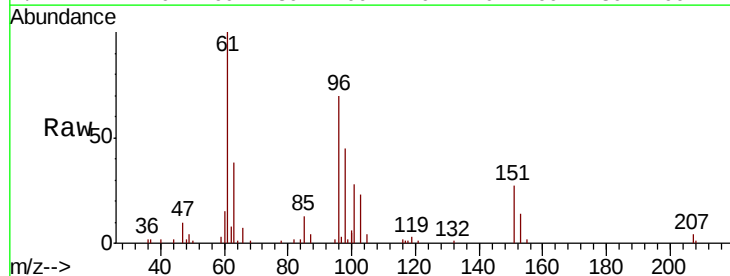
Tot Ion: 59 Resp: 7970
 Ion Ratio Lower Upper
 59 100
 57 4.7 7.8 11.6#

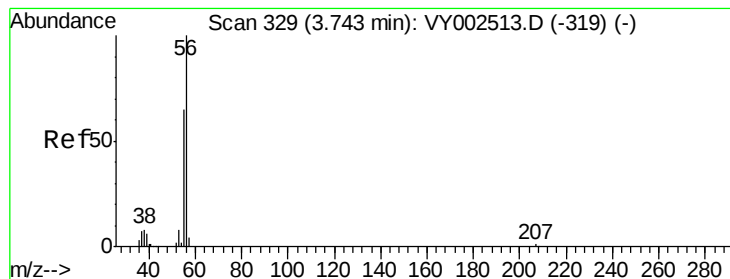


#12

1,1-Dichloroethene
 Concen: 4.796 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion: 96 Resp: 14602
 Ion Ratio Lower Upper
 96 100
 61 142.0 118.8 178.2
 98 63.7 49.6 74.4





#13

Acrolein

Concen: 15.434 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

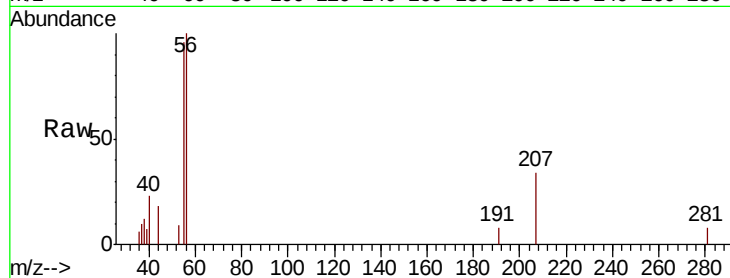
MDL-SOIL-03-QT2-2020DL

Tot Ion: 56 Resp: 3265

Ion Ratio Lower Upper

56 100

55 72.9 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

1200

1000

800

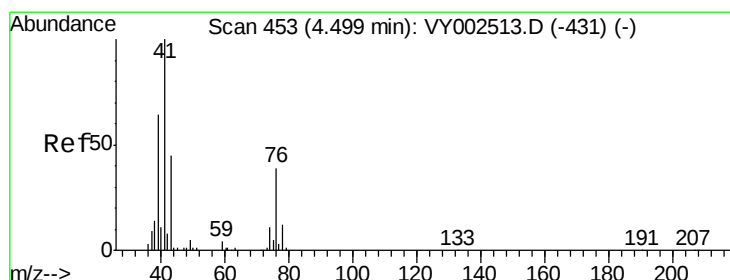
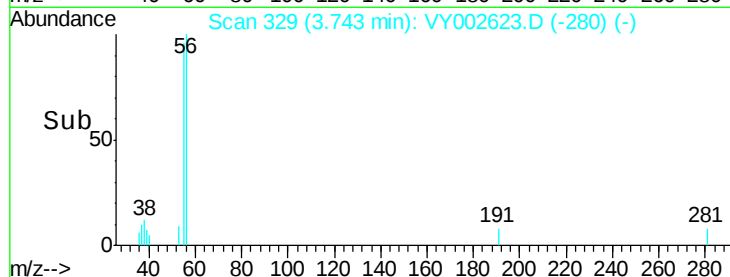
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 4.600 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

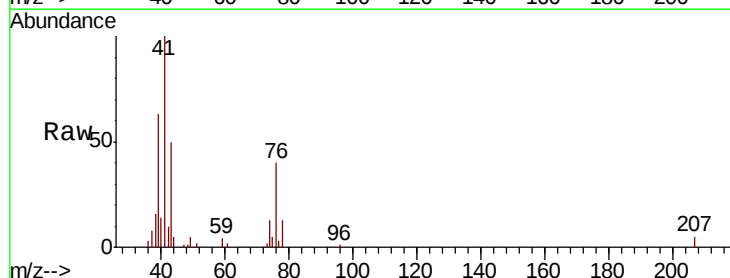
Tgt Ion: 41 Resp: 20405

Ion Ratio Lower Upper

41 100

39 64.1 51.8 77.6

76 38.2 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

8000

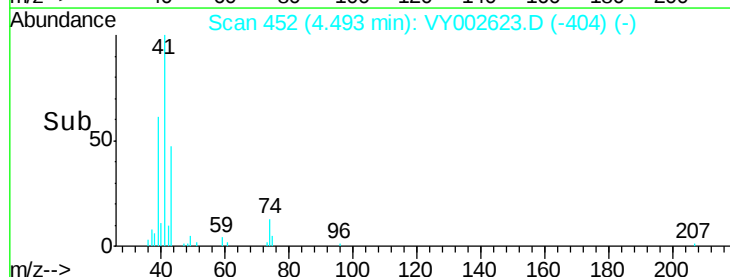
6000

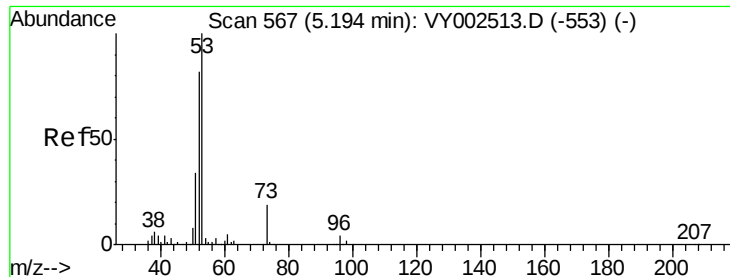
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 21.437 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

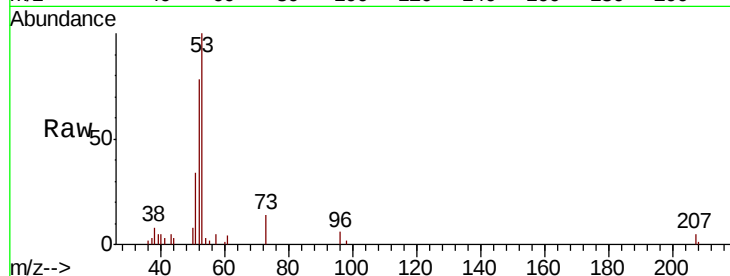
Tot Ion: 53 Resp: 17420

Ion Ratio Lower Upper

53 100

52 79.9 65.4 98.0

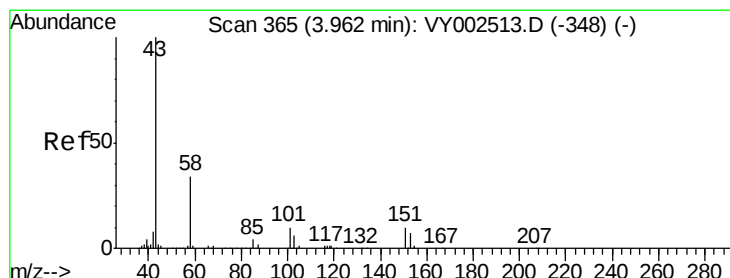
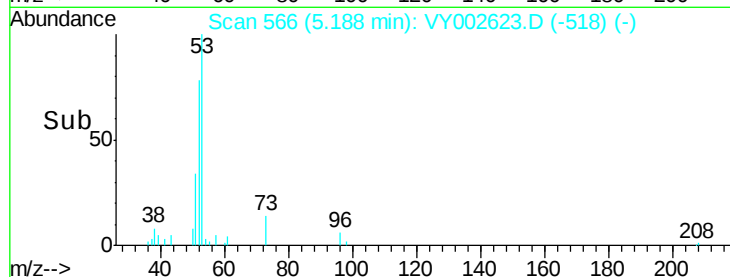
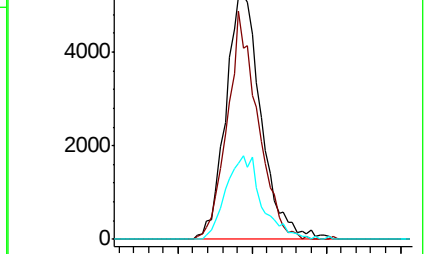
51 34.6 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY002623.D (-518) (-)

Ion 52.00 (51.70 to 52.70): VY002623.D (-518) (-)

Ion 51.00 (50.70 to 51.70): VY002623.D (-518) (-)



#16

Acetone

Concen: 20.952 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002623.D

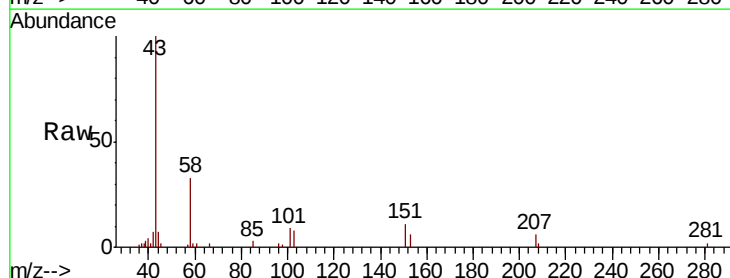
Acq: 07 May 2020 12:08

Tgt Ion: 43 Resp: 12858

Ion Ratio Lower Upper

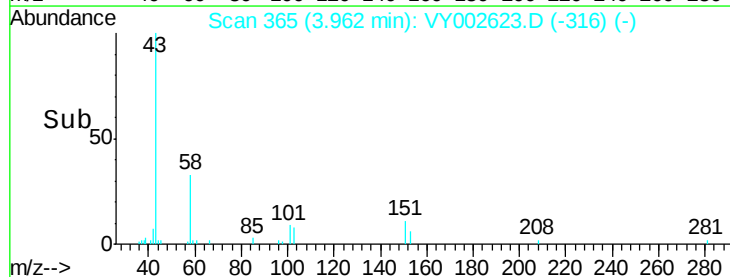
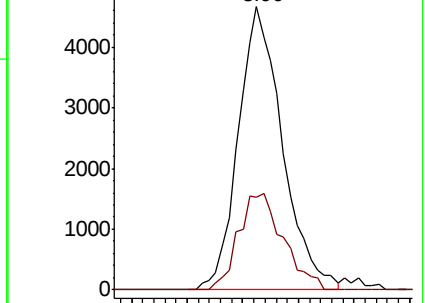
43 100

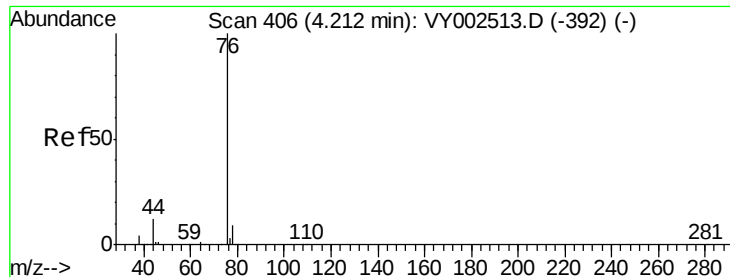
58 32.8 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002623.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002623.D (-316) (-)

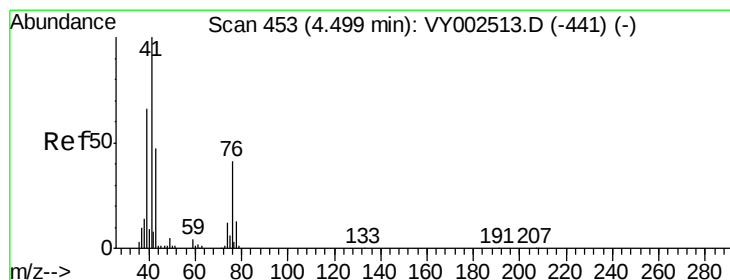
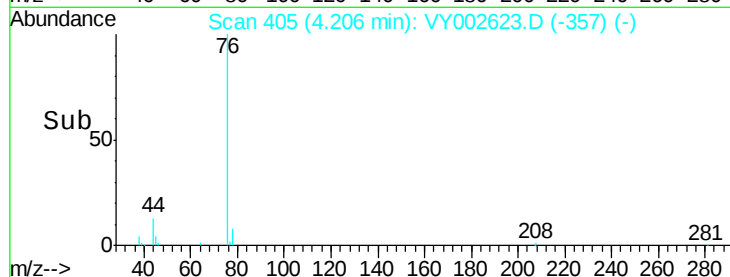
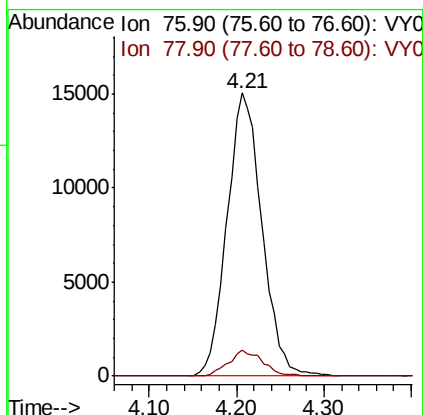
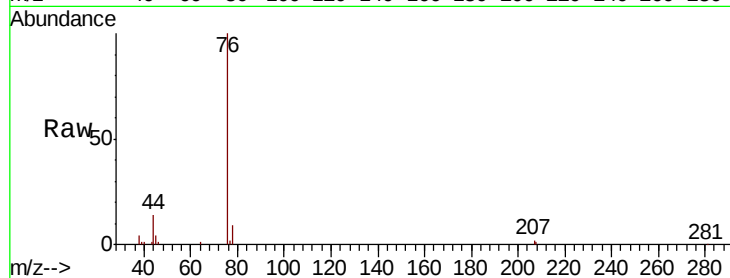




#17
Carbon Disulfide
Concen: 4.549 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

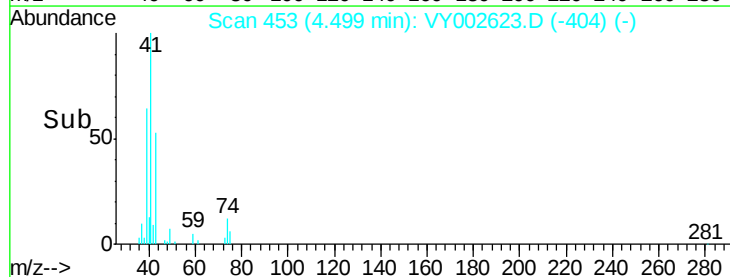
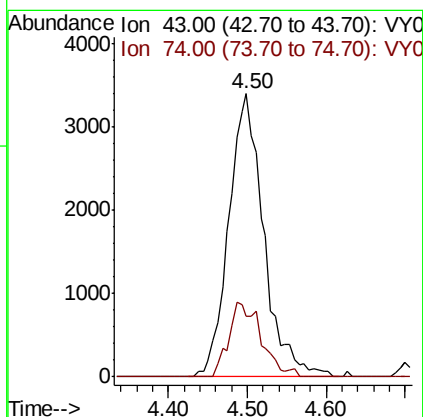
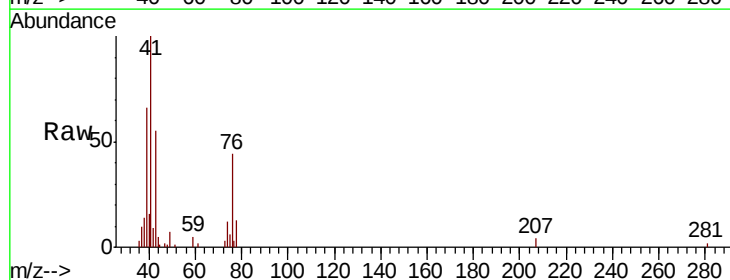
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

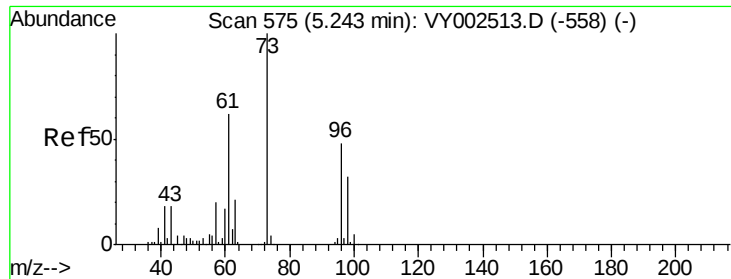
Tot Ion: 76 Resp: 41663
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 5.116 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 43 Resp: 10490
Ion Ratio Lower Upper
43 100
74 24.3 21.2 31.8

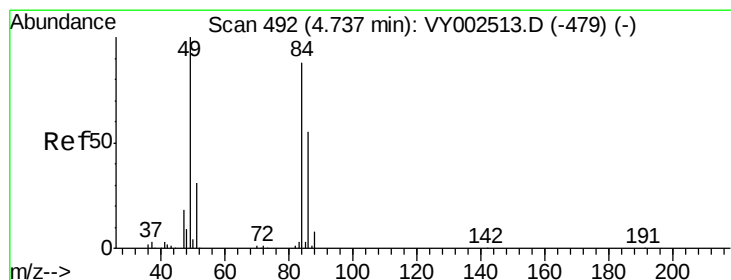
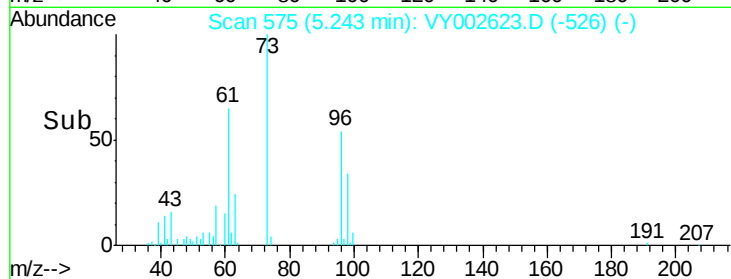
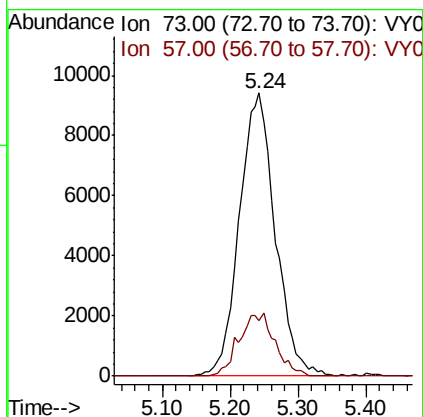
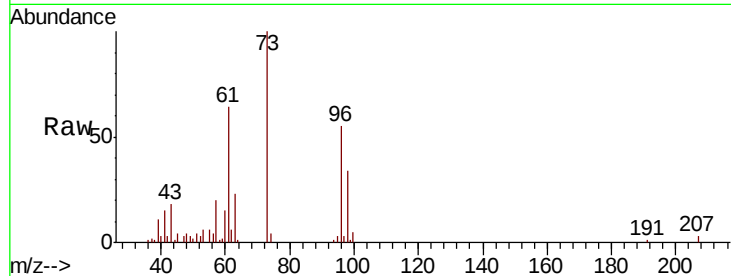




#19
Methyl tert-butyl Ether
Concen: 4.337 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

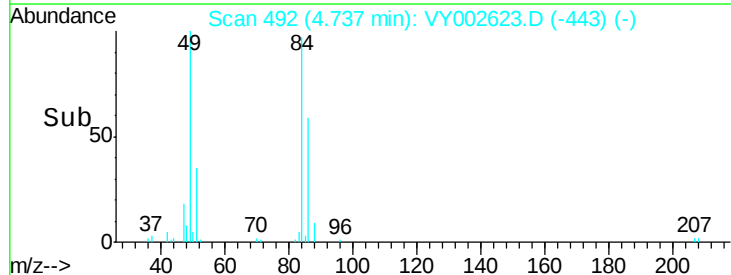
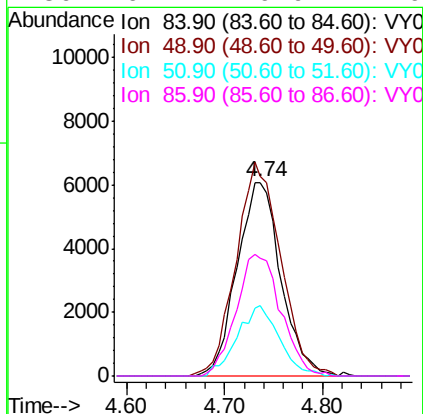
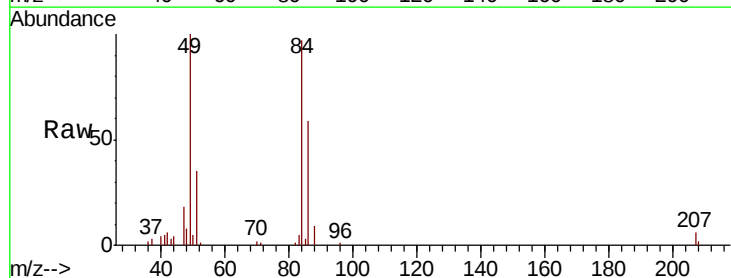
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

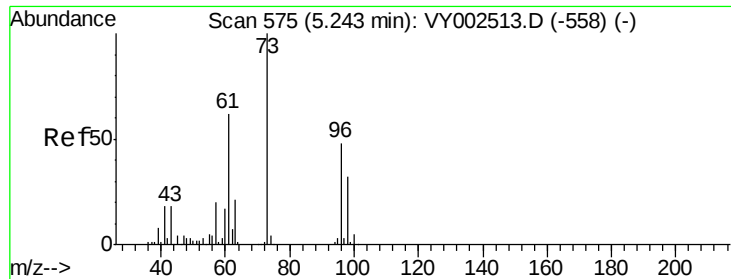
Tot Ion: 73 Resp: 34446
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



#20
Methylene Chloride
Concen: 5.488 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 84 Resp: 18832
Ion Ratio Lower Upper
84 100
49 103.6 90.5 135.7
51 36.7 28.3 42.5
86 61.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 4.720 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

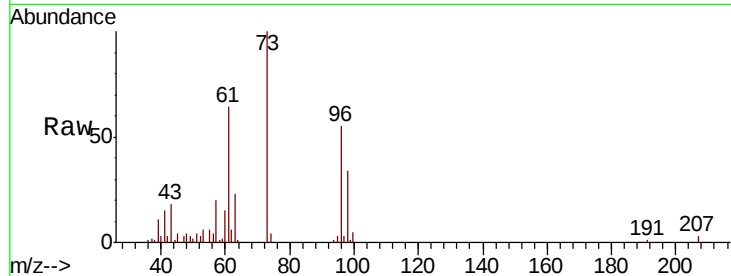
Tot Ion: 96 Resp: 15705

Ion Ratio Lower Upper

96 100

61 116.4 102.0 153.0

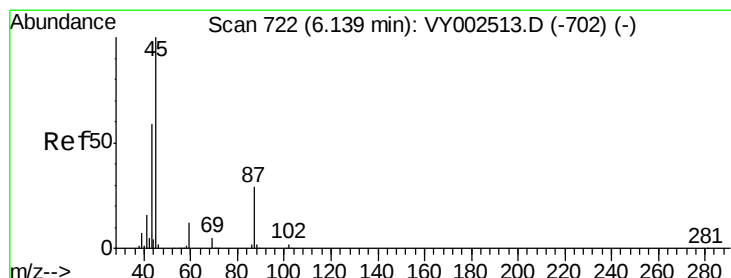
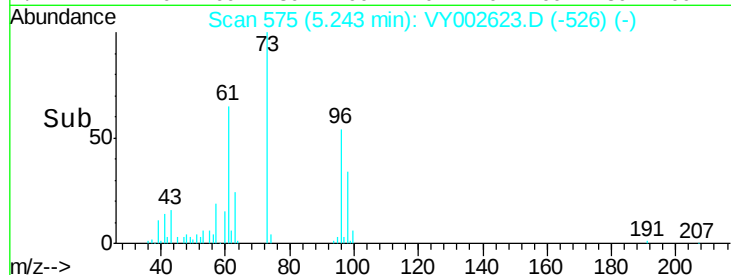
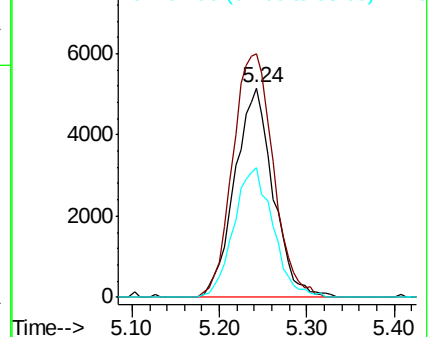
98 61.9 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VY002623.D (-526) (-)

Ion 60.90 (60.60 to 61.60): VY002623.D (-526) (-)

Ion 97.90 (97.60 to 98.60): VY002623.D (-526) (-)



#22

Diisopropyl ether

Concen: 4.609 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Tgt Ion: 45 Resp: 41371

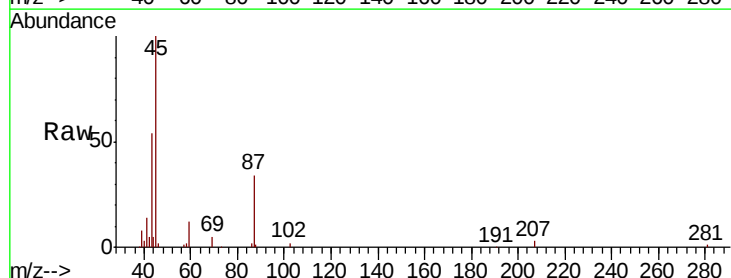
Ion Ratio Lower Upper

45 100

43 52.8 47.4 71.0

87 33.5 24.0 36.0

59 12.4 9.8 14.8

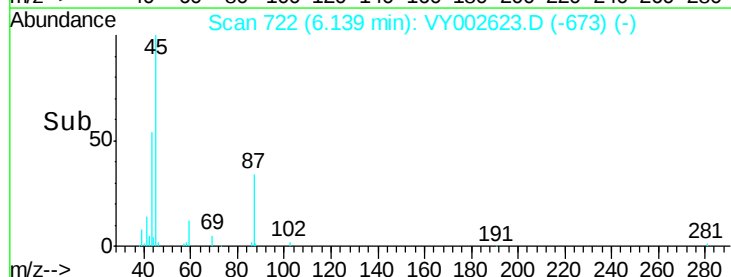
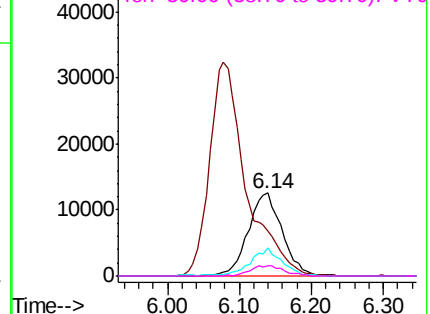


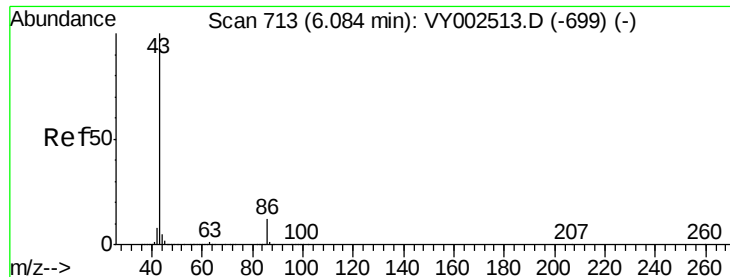
Abundance Ion 45.00 (44.70 to 45.70): VY002623.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VY002623.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VY002623.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VY002623.D (-673) (-)





#23

Vinyl Acetate

Concen: 20.172 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

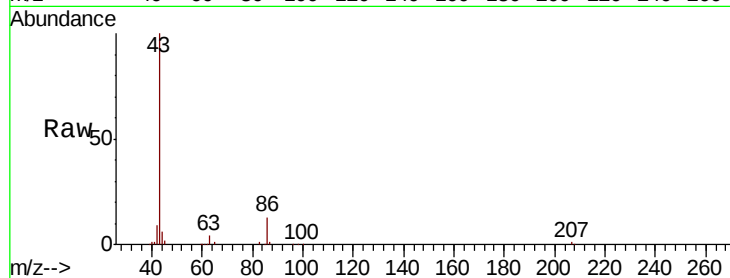
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 113861

Ion Ratio Lower Upper

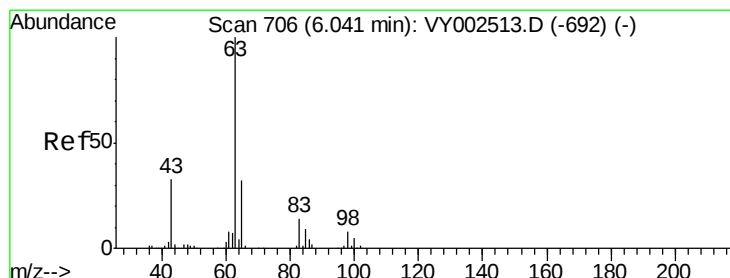
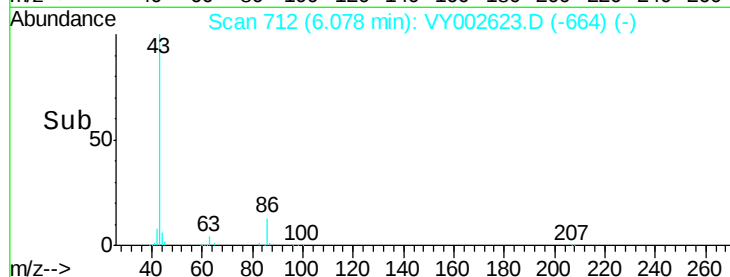
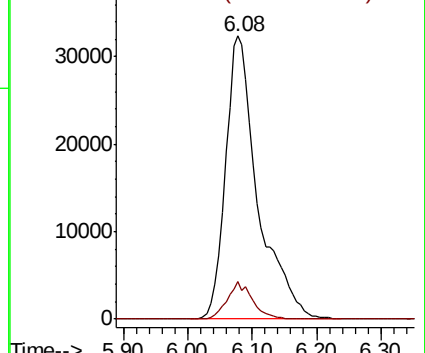
43 100

86 13.2 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: 4.611 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

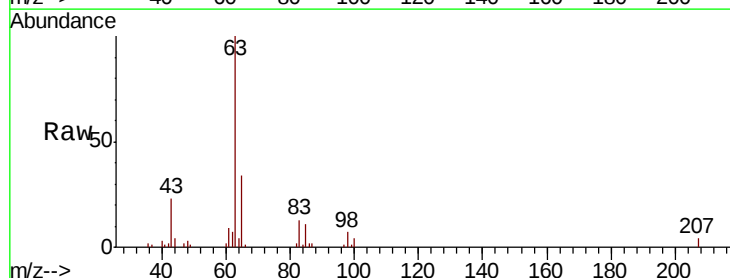
Tgt Ion: 63 Resp: 24482

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

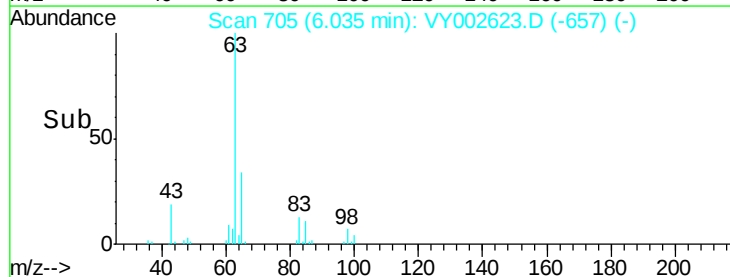
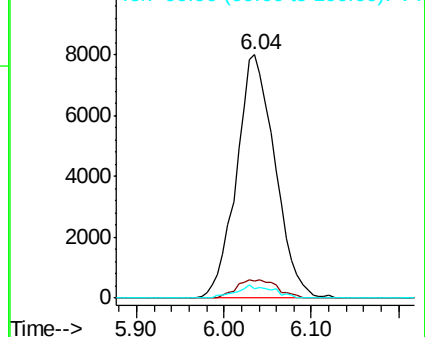
100 4.1 2.4 7.2

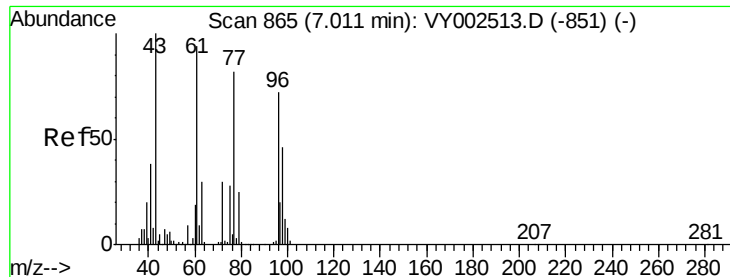


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 21.150 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

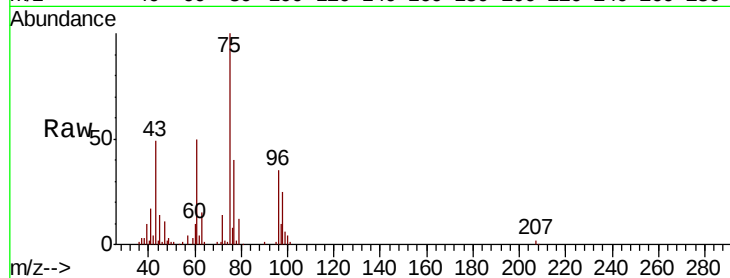
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 21246

Ion Ratio Lower Upper

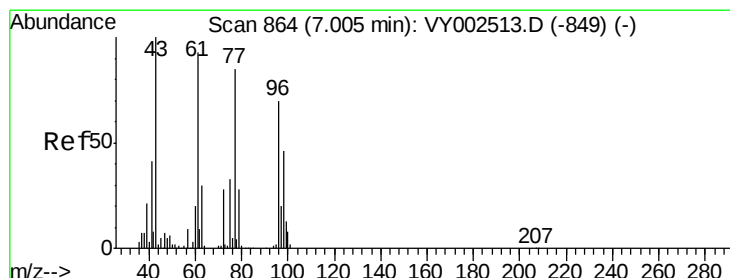
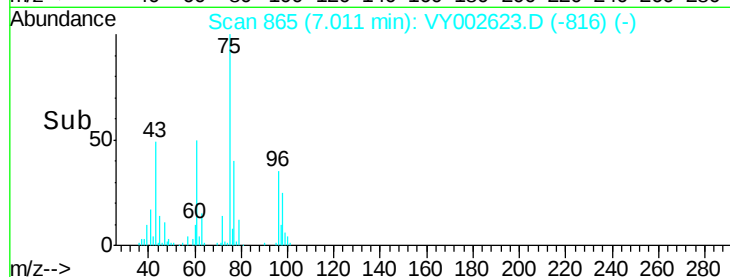
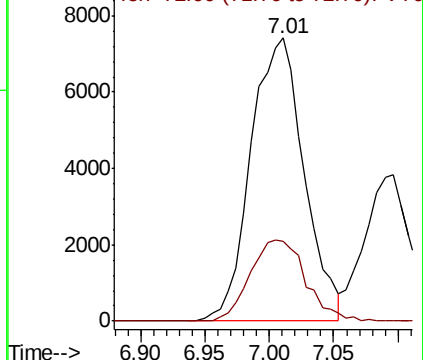
43 100

72 28.4 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: 4.692 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002623.D

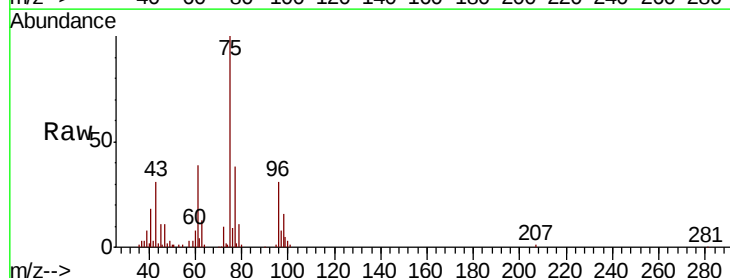
Acq: 07 May 2020 12:08

Tgt Ion: 77 Resp: 23679

Ion Ratio Lower Upper

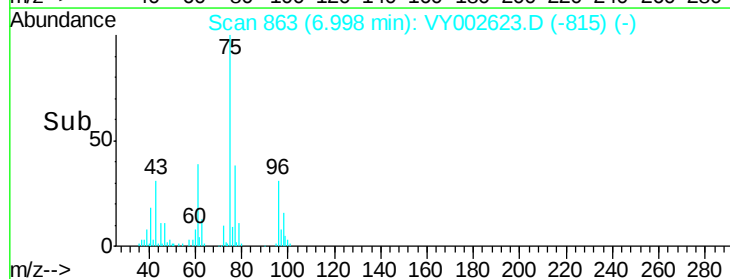
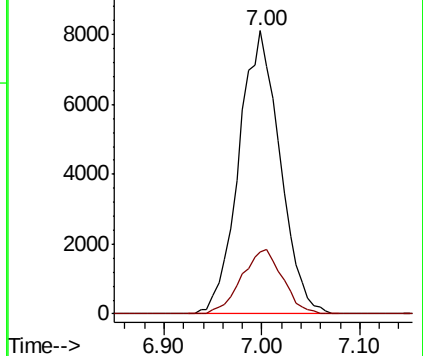
77 100

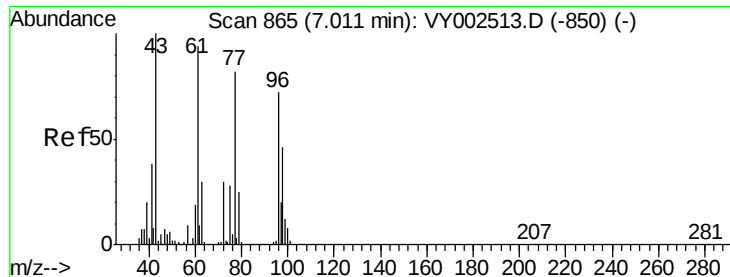
97 22.6 11.9 35.5



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: 4.753 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

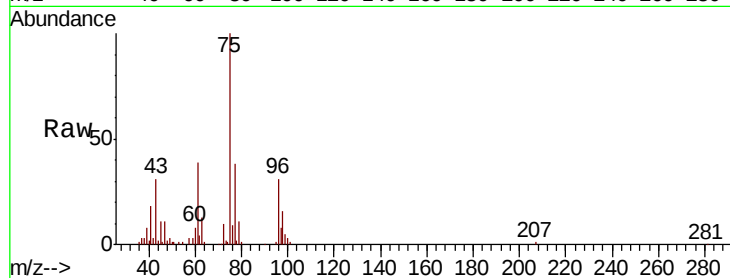
Tot Ion: 96 Resp: 17501

Ion Ratio Lower Upper

96 100

61 136.8 0.0 266.6

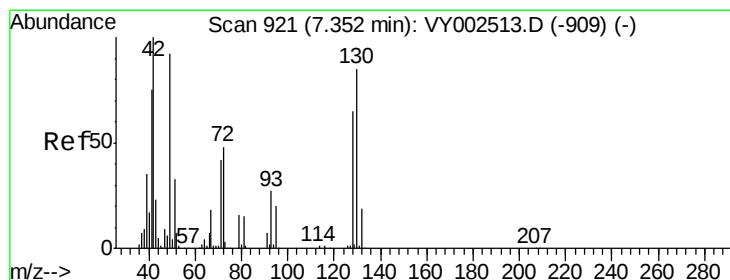
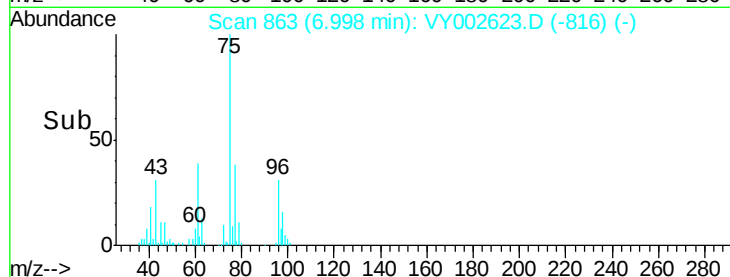
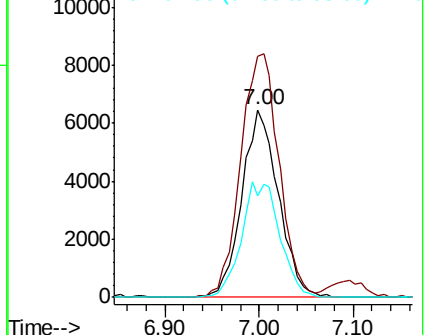
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VY002623.D (-816) (-)

Ion 60.90 (60.60 to 61.60): VY002623.D (-816) (-)

Ion 97.90 (97.60 to 98.60): VY002623.D (-816) (-)



#28

Bromochloromethane

Concen: 4.647 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

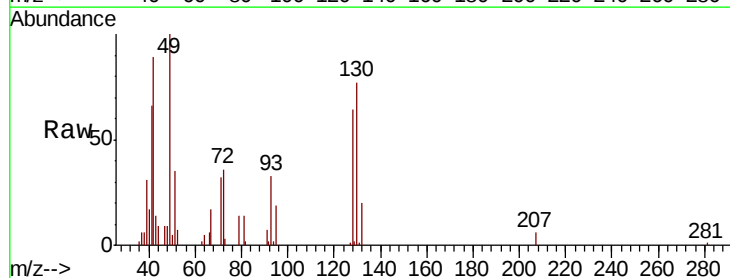
Tgt Ion: 49 Resp: 10110

Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.8

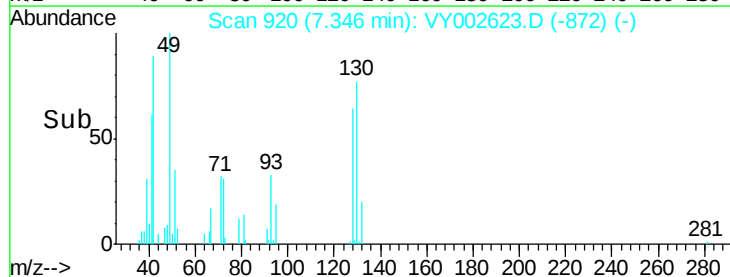
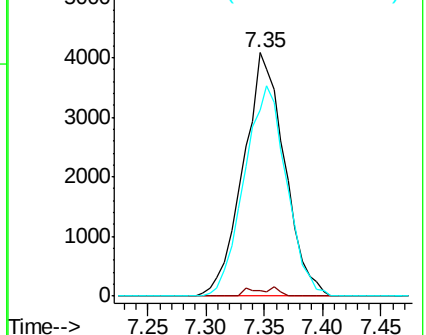
130 88.2 72.5 108.7

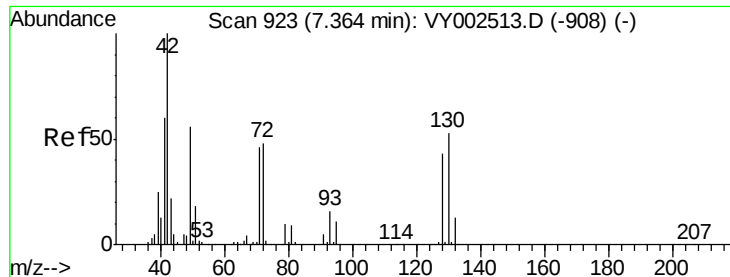


Abundance Ion 48.90 (48.60 to 49.60): VY002623.D (-872) (-)

Ion 128.80 (128.50 to 129.50): VY002623.D (-872) (-)

Ion 129.80 (129.50 to 130.50): VY002623.D (-872) (-)

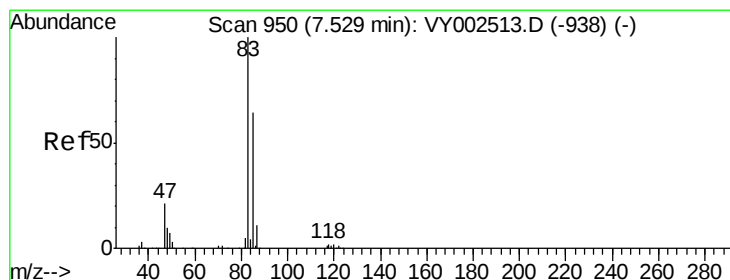
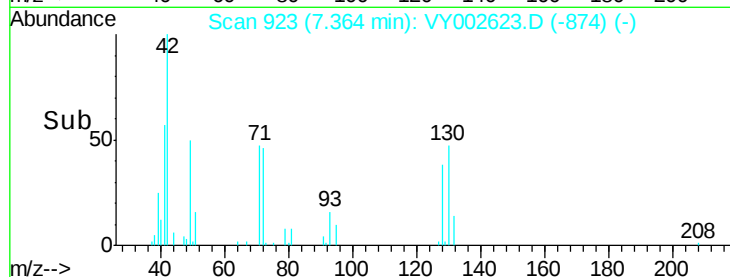
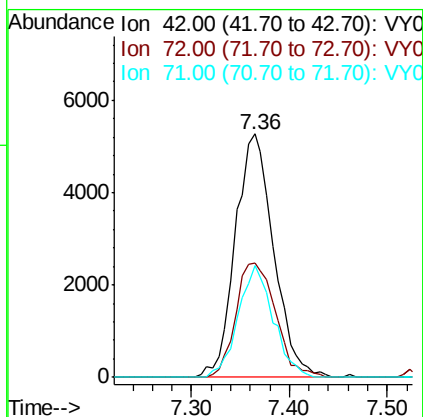
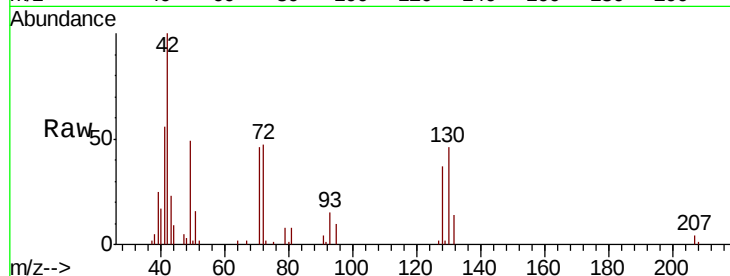




#29
Tetrahydrofuran
Concen: 21.538 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

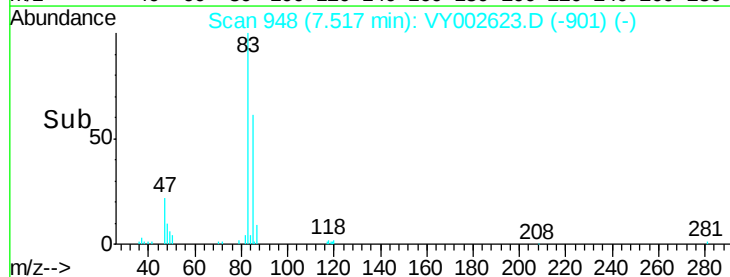
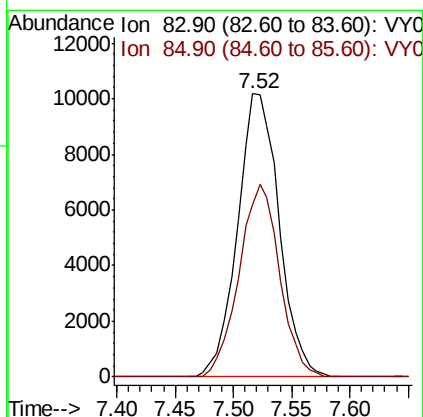
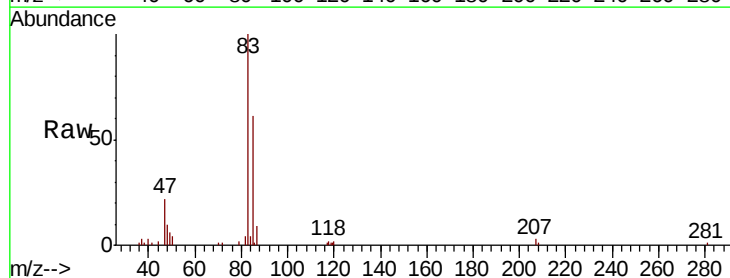
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

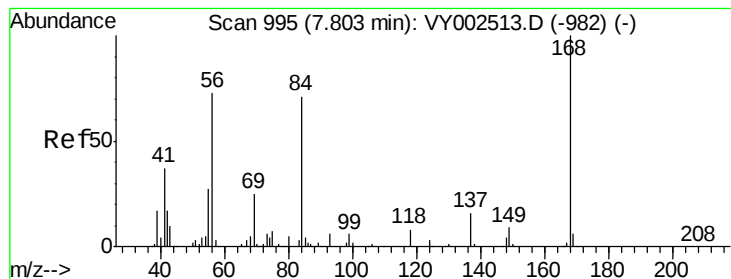
Tot Ion: 42 Resp: 14315
Ion Ratio Lower Upper
42 100
72 48.7 37.4 56.2
71 42.1 35.0 52.4



#30
Chloroform
Concen: 4.577 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 83 Resp: 25268
Ion Ratio Lower Upper
83 100
85 60.6 51.5 77.3





#31

Cyclohexane

Concen: 5.472 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

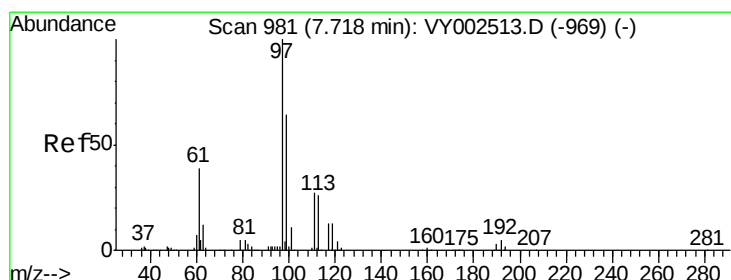
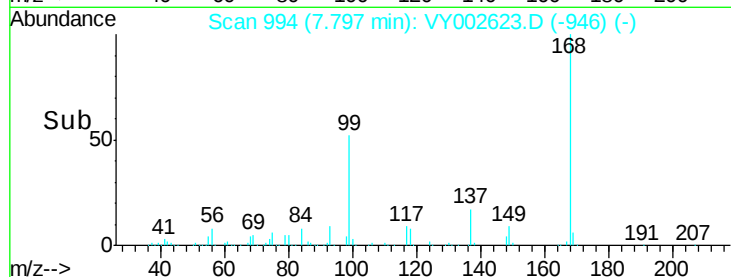
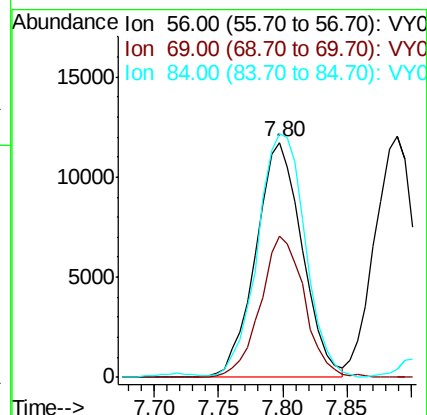
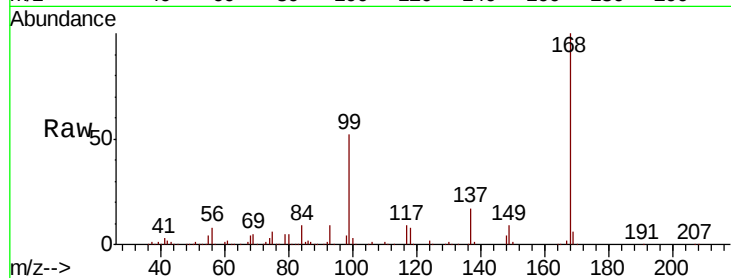
MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

Tot Ion: 56 Resp: 29247

Ion	Ratio	Lower	Upper
56	100		
69	60.0	27.6	41.4#
84	102.7	77.7	116.5



#32

1,1,1-Trichloroethane

Concen: 4.582 ug/l

RT: 7.71 min Scan# 980

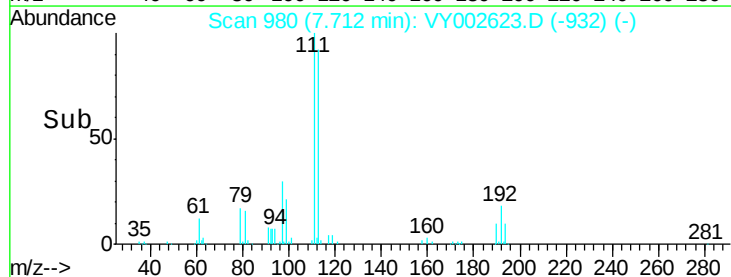
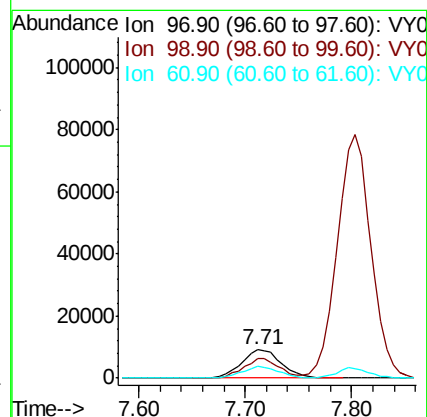
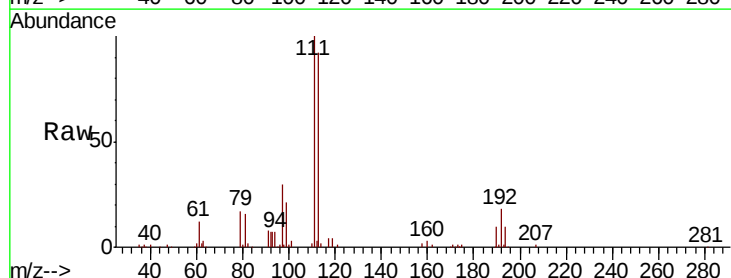
Delta R.T. -0.01 min

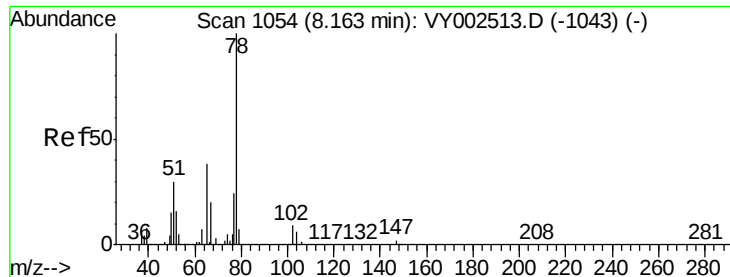
Lab File: VY002623.D

Acq: 07 May 2020 12:08

Tgt Ion: 97 Resp: 23511

Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.9	77.9
61	39.1	31.0	46.6

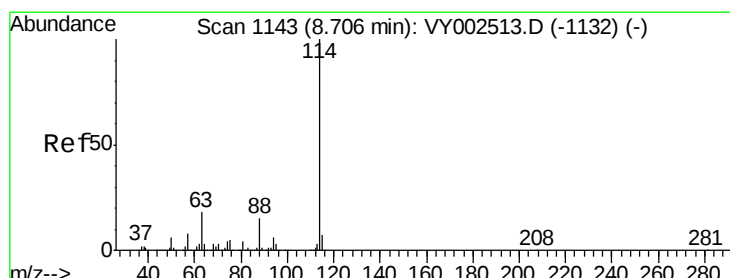
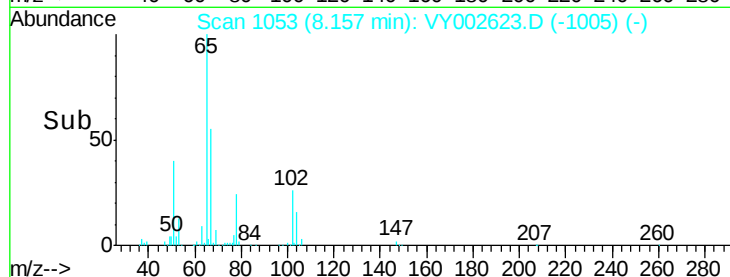
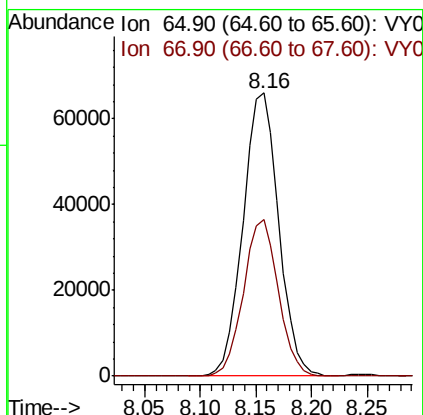
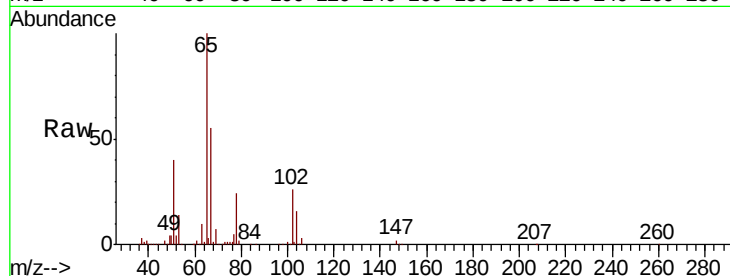




#33
 1,2-Dichloroethane-d4
 Concen: 49.489 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

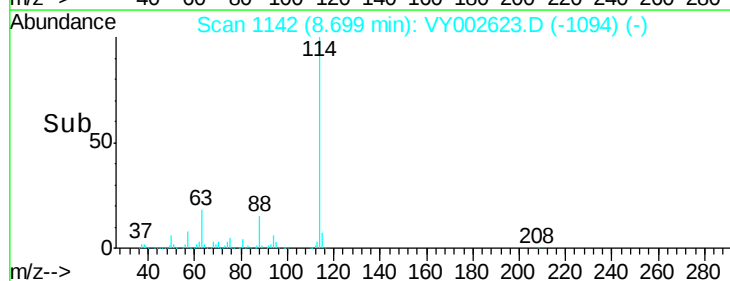
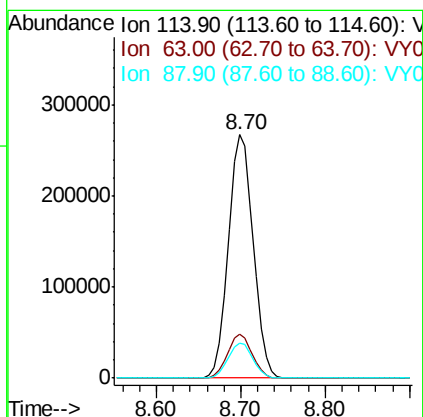
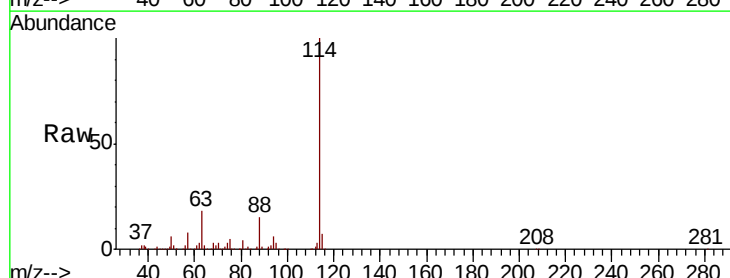
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

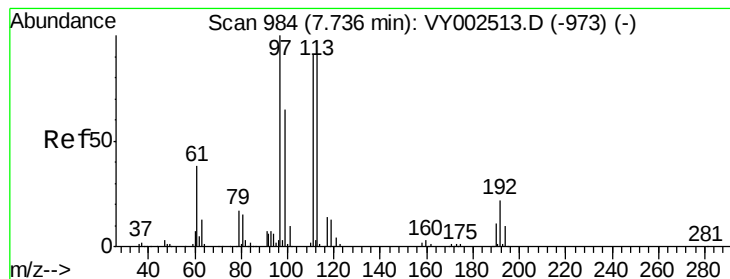
Tot Ion: 65 Resp: 147160
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion: 114 Resp: 534369
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.467 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

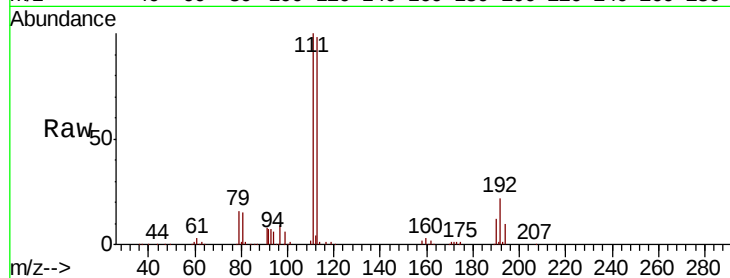
Tot Ion:113 Resp: 157286

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

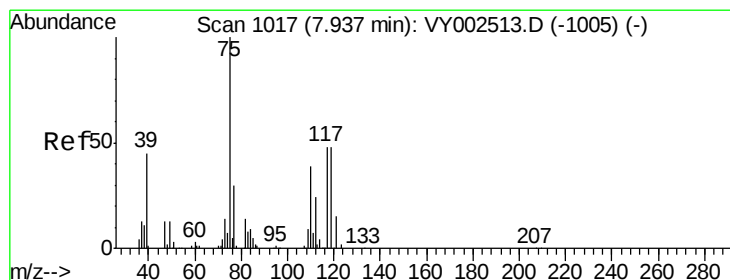
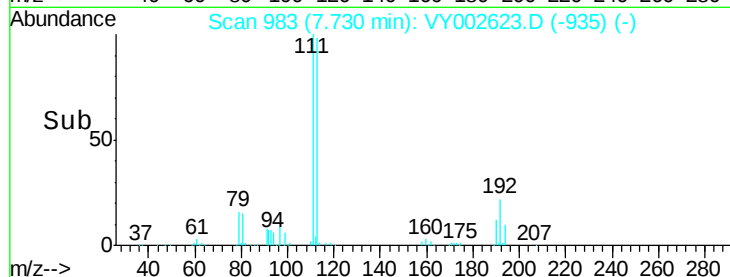
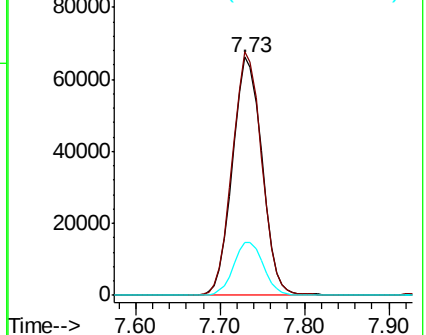
192 22.5 18.2 27.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.593 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

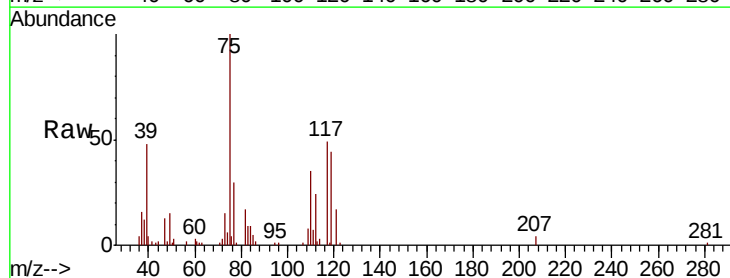
Tgt Ion: 75 Resp: 20575

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.3

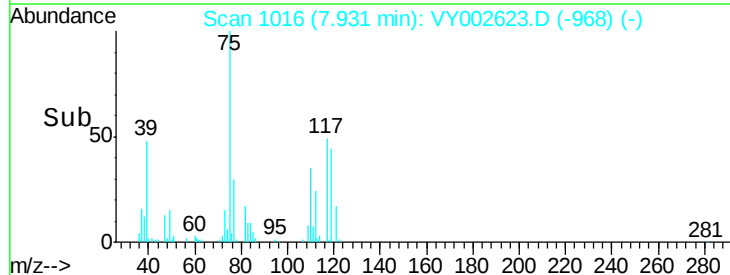
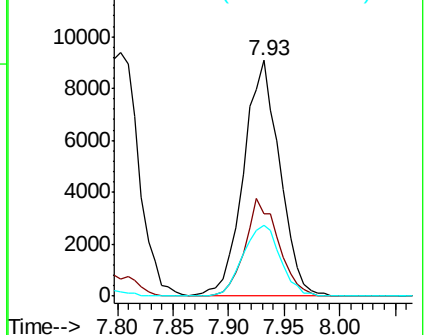
77 31.1 24.6 37.0

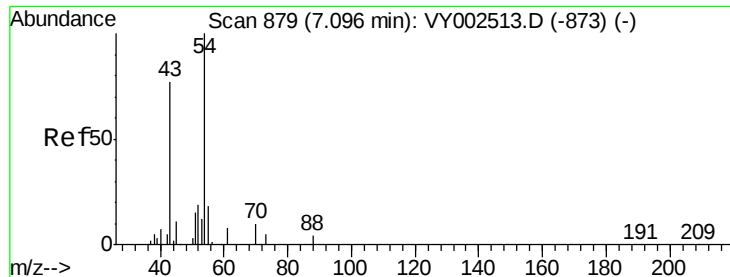


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

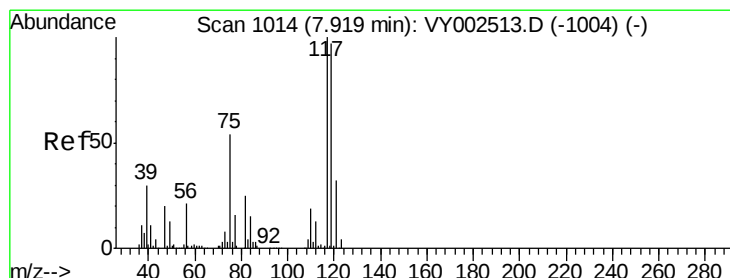
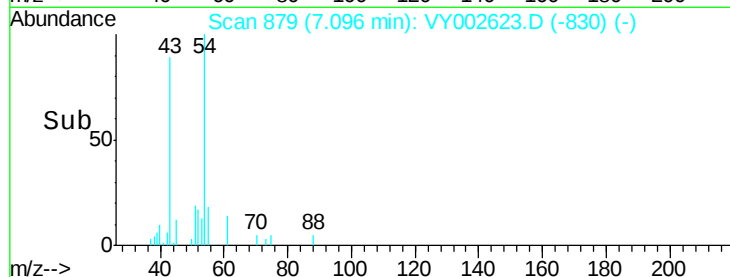
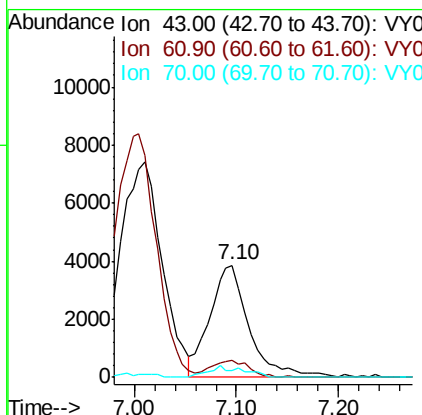
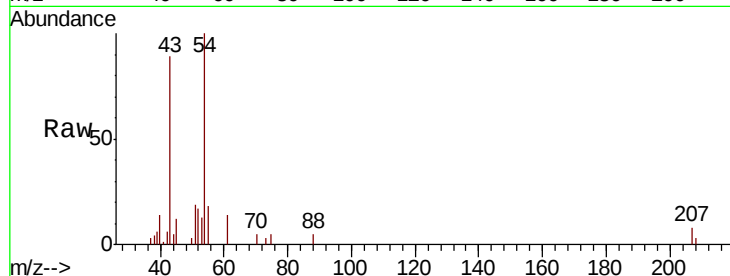




#37
Ethyl Acetate
Concen: 4.480 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

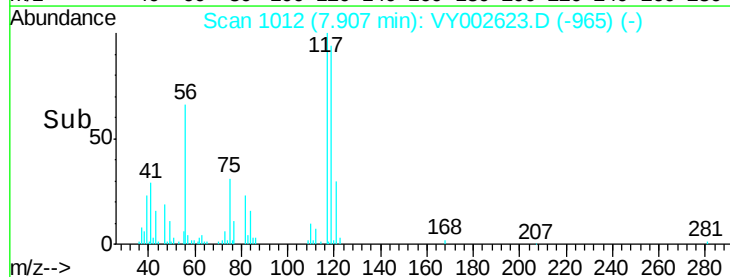
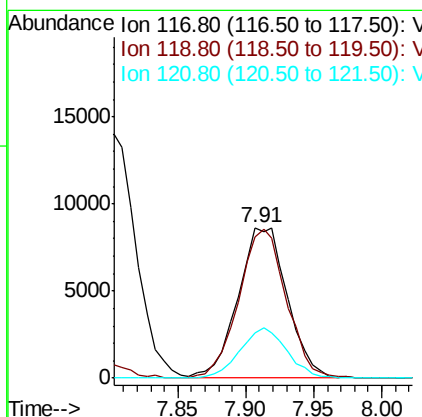
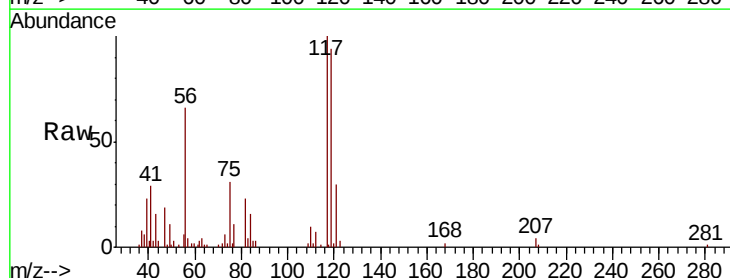
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

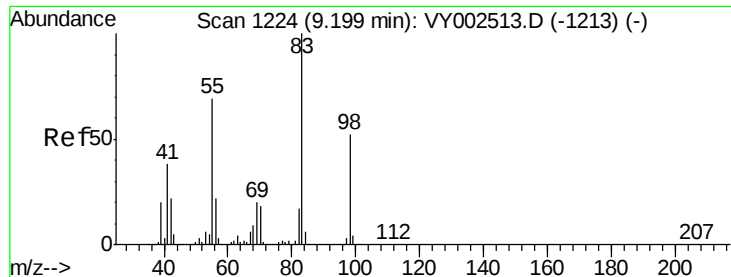
Tot Ion: 43 Resp: 10314
Ion Ratio Lower Upper
43 100
61 14.5 11.6 17.4
70 5.6 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 4.470 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 117 Resp: 21862
Ion Ratio Lower Upper
117 100
119 94.0 77.1 115.7
121 30.1 25.2 37.8

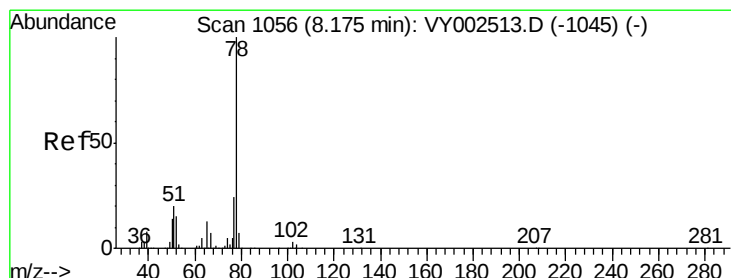
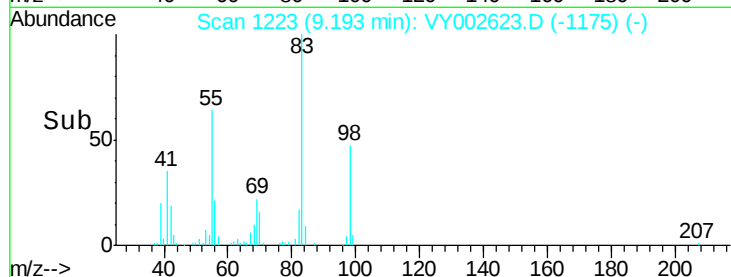
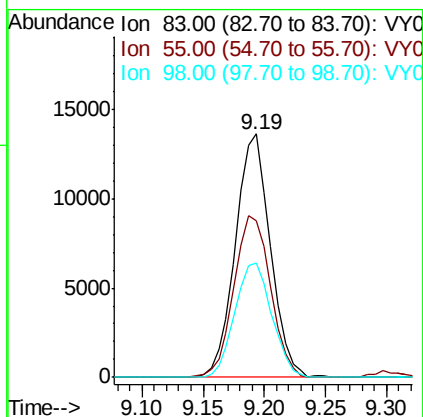
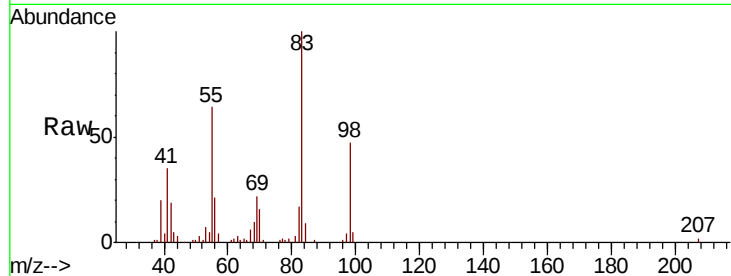




#39
Methvlcvclohexane
Concen: 4.573 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

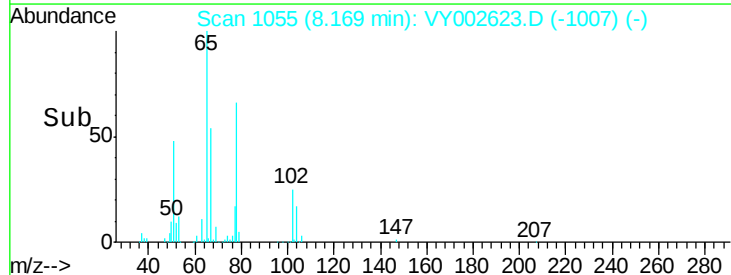
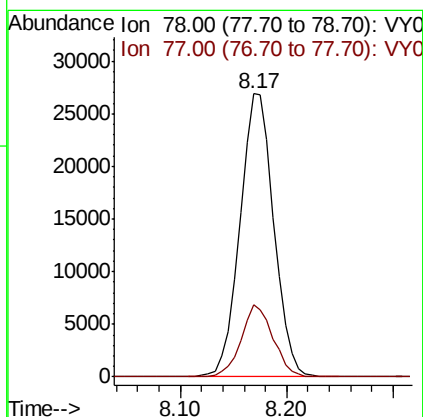
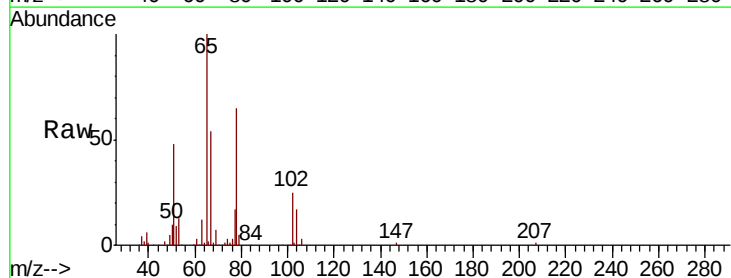
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

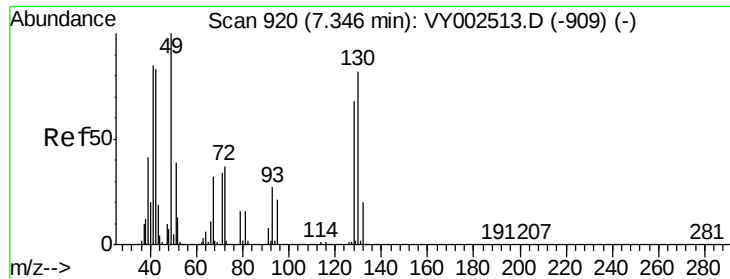
Tot Ion: 83 Resp: 27059
Ion Ratio Lower Upper
83 100
55 64.2 55.4 83.0
98 46.9 41.3 61.9



#40
Benzene
Concen: 4.633 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 78 Resp: 59939
Ion Ratio Lower Upper
78 100
77 25.5 19.2 28.8

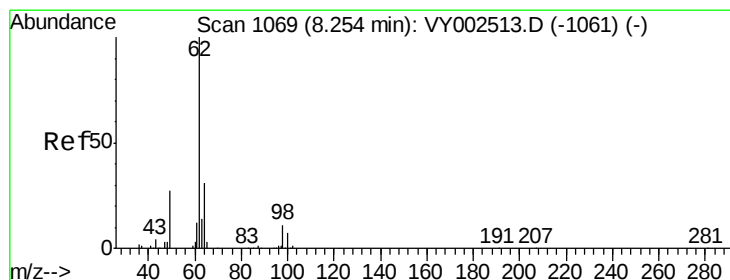
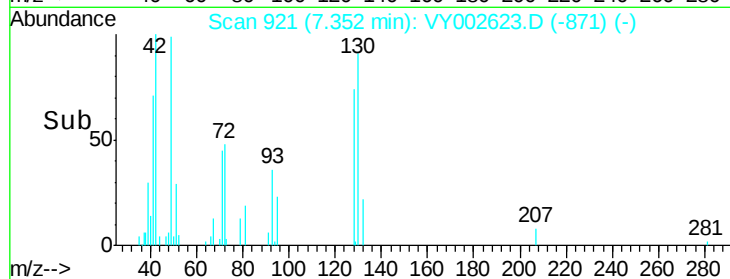
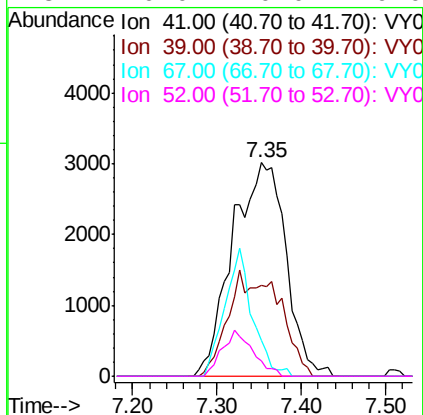
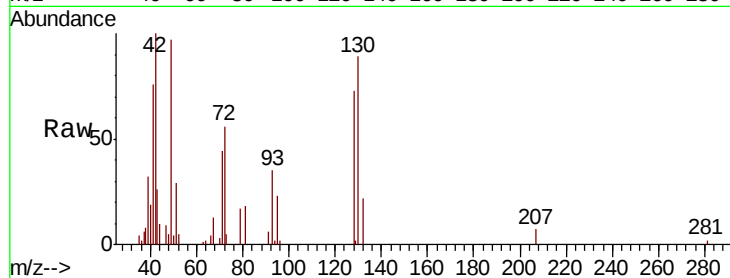




#41
Methacrylonitrile
Concen: 10.557 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

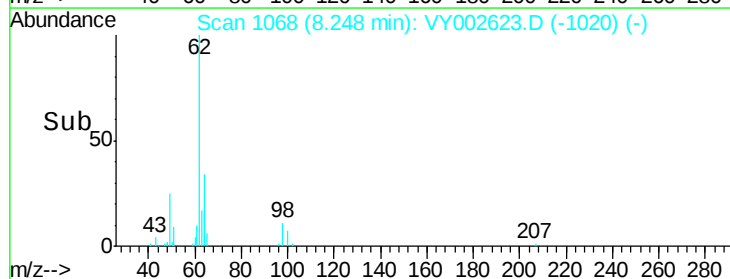
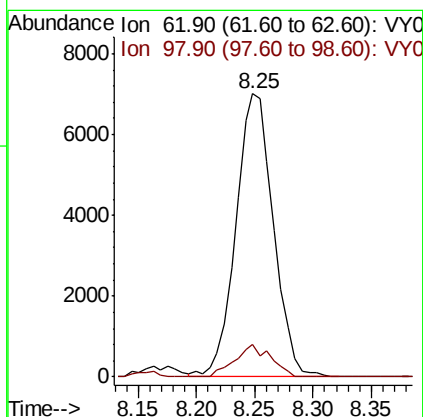
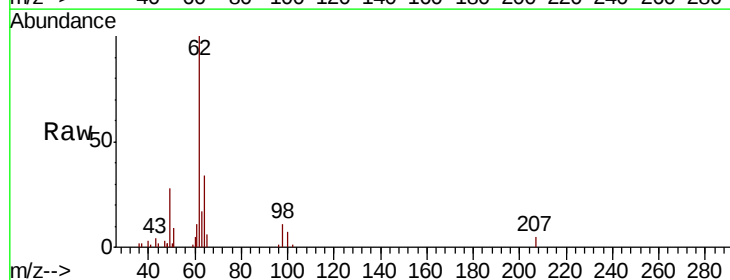
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

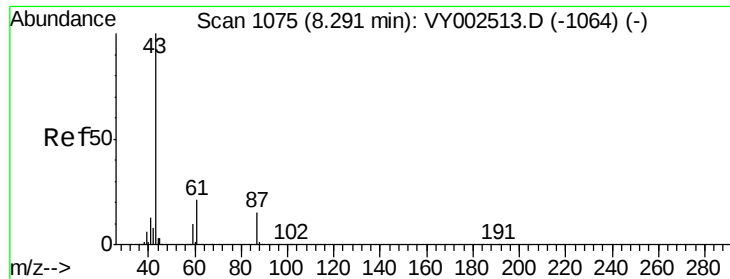
Tot Ion:	41	Resp:	13067
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 4.325 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion:	62	Resp:	15696
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.154 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

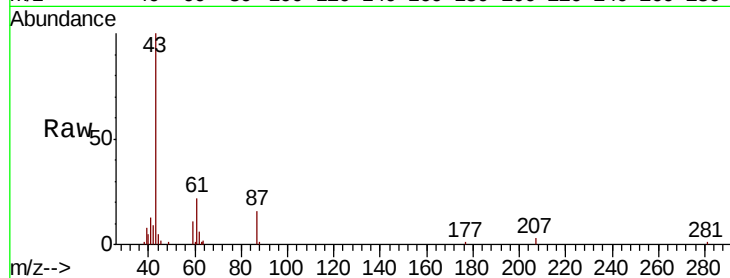
Tot Ion: 43 Resp: 17929

Ion Ratio Lower Upper

43 100

61 30.9 24.8 37.2

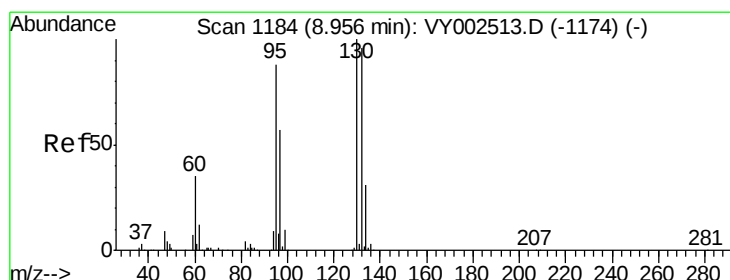
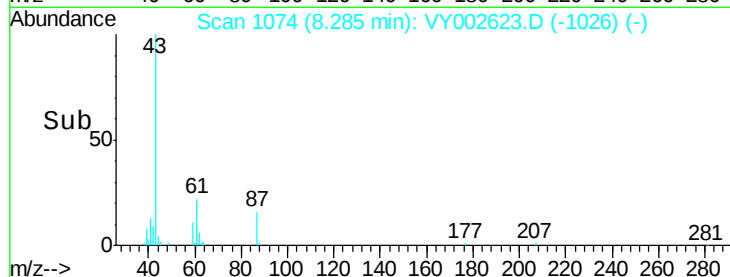
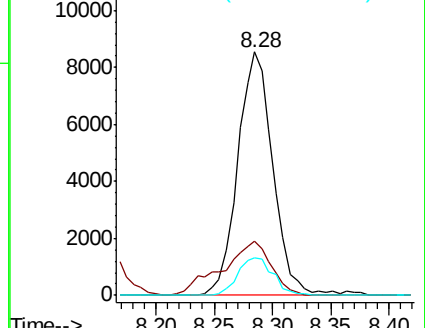
87 15.4 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VY002623.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY002623.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002623.D (-1064) (-)



#44

Trichloroethene

Concen: 4.696 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002623.D

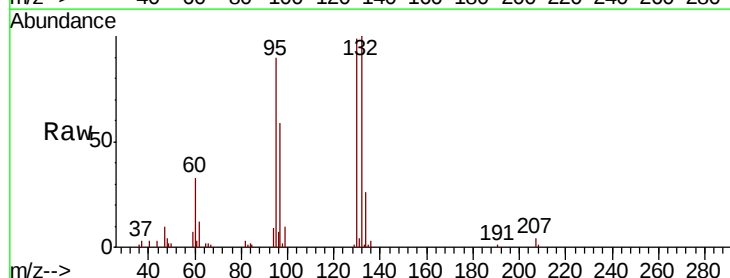
Acq: 07 May 2020 12:08

Tgt Ion: 130 Resp: 18988

Ion Ratio Lower Upper

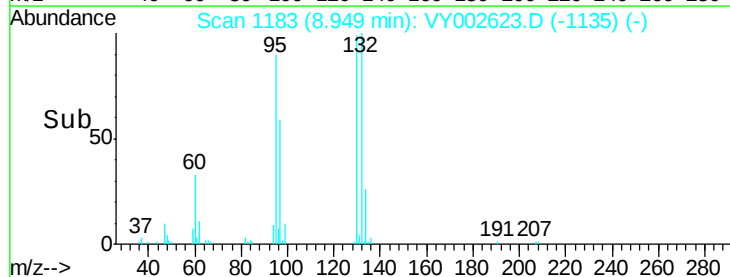
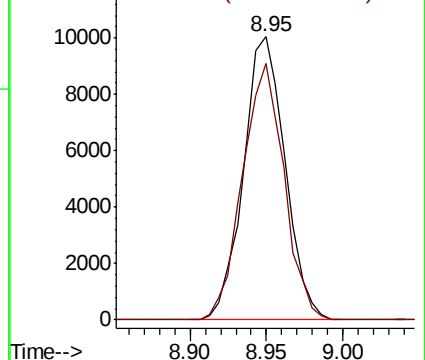
130 100

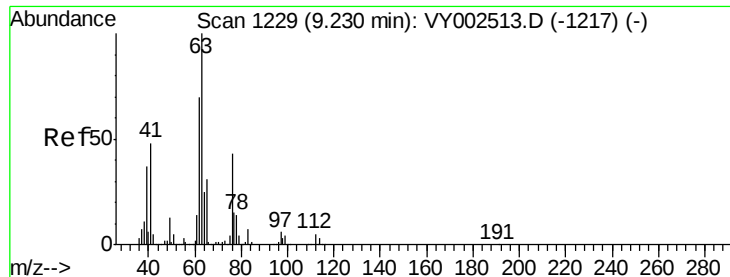
95 90.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002623.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002623.D (-1135) (-)

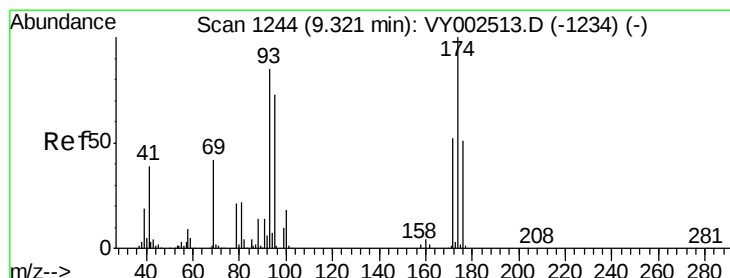
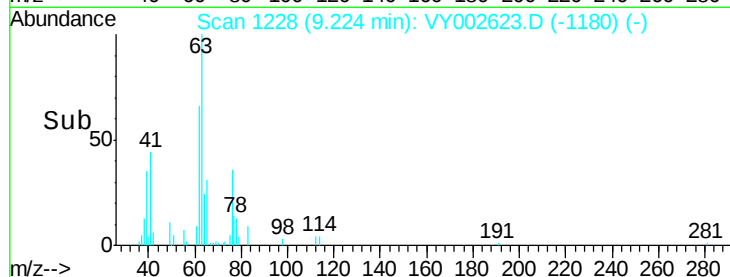
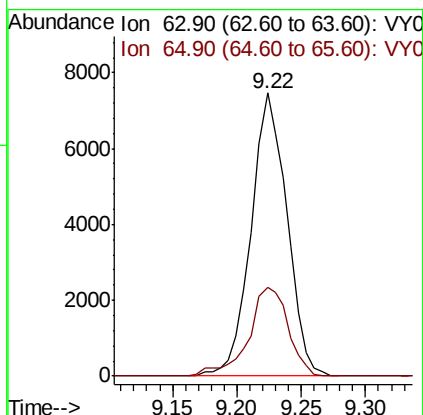
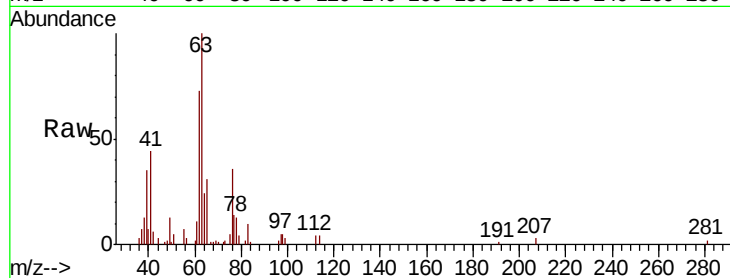




#45
 1,2-Dichloropropane
 Concen: 4.601 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

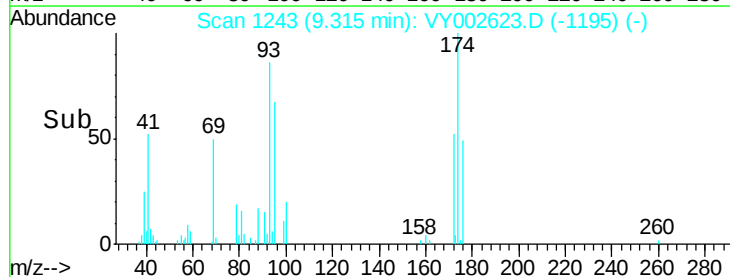
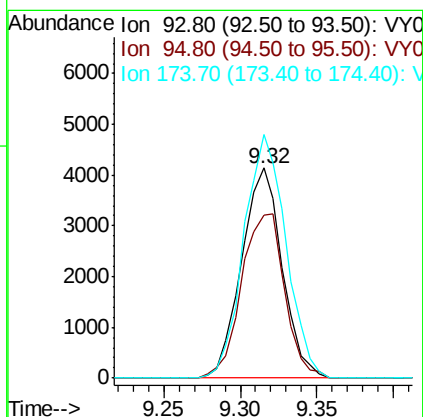
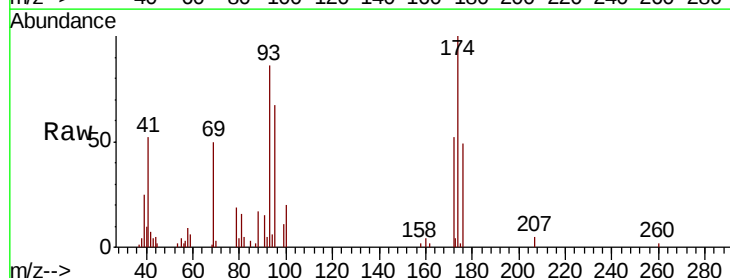
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

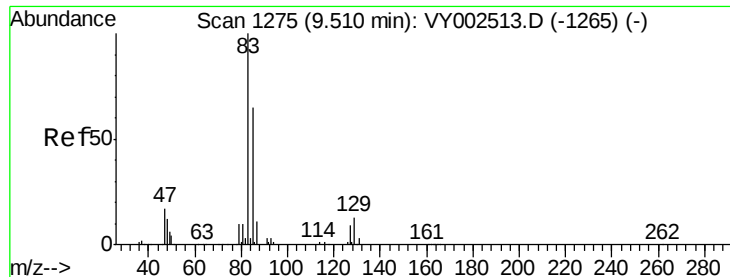
Tot Ion: 63 Resp: 14366
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7



#46
 Dibromomethane
 Concen: 4.249 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion: 93 Resp: 7633
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 120.2 92.7 139.1





#47

Bromodichloromethane

Concen: 4.220 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

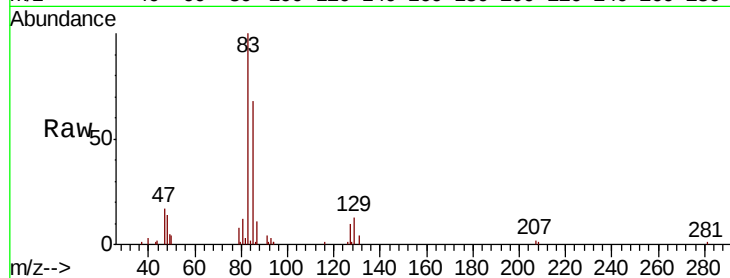
Tot Ion: 83 Resp: 18437

Ion Ratio Lower Upper

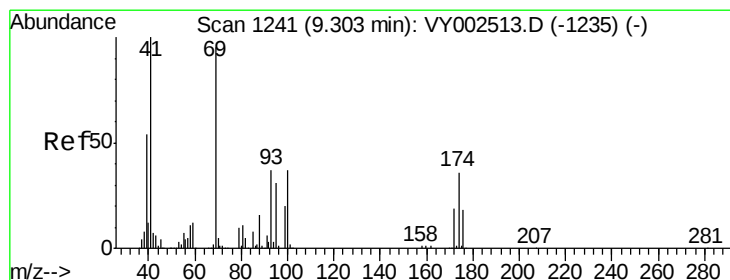
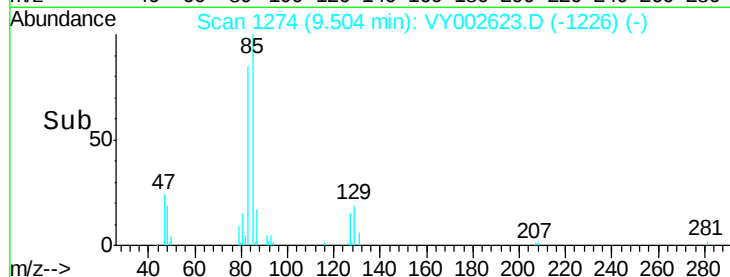
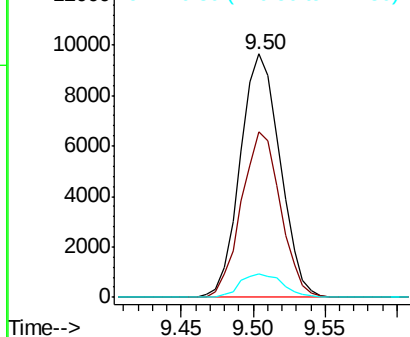
83 100

85 68.0 51.8 77.8

127 9.9 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): VY0



#48

Methyl methacrylate

Concen: 3.964 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

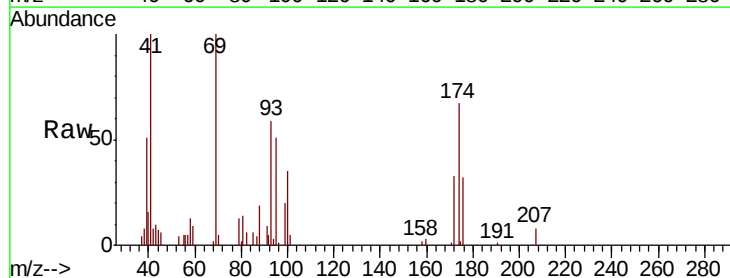
Tgt Ion: 41 Resp: 7742

Ion Ratio Lower Upper

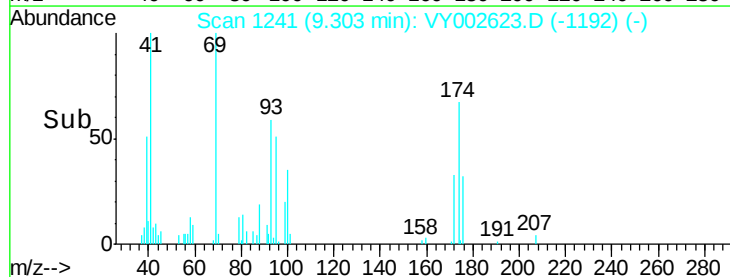
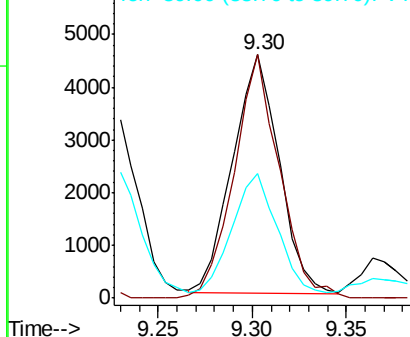
41 100

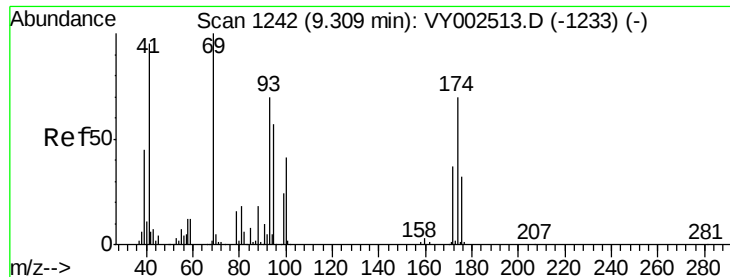
69 99.4 76.2 114.4

39 49.3 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

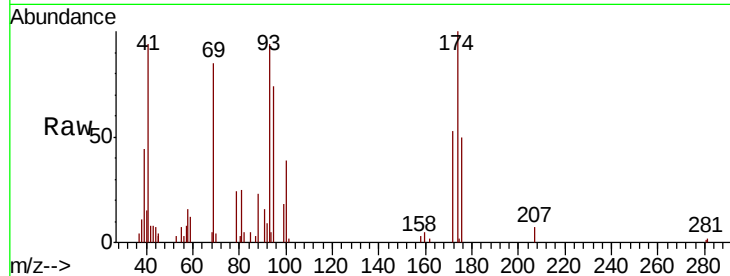




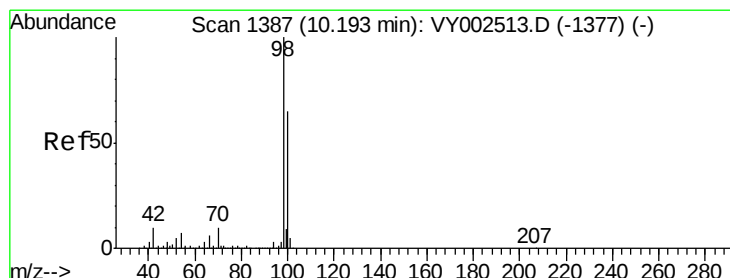
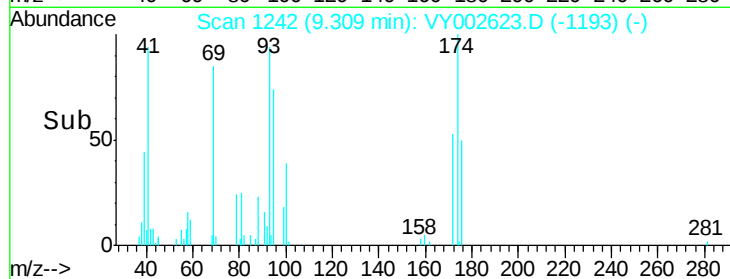
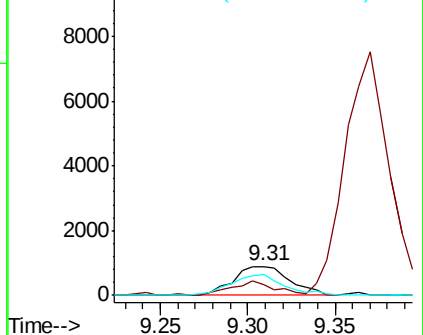
#49
1,4-Dioxane
Concen: 83.278 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

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

Tot Ion: 88 Resp: 1981
Ion Ratio Lower Upper
88 100
43 38.6 22.8 34.2#
58 68.7 51.4 77.2

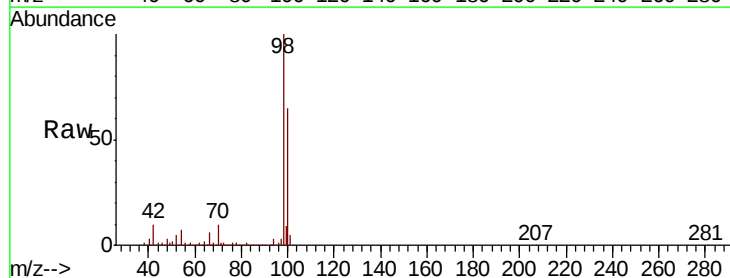


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

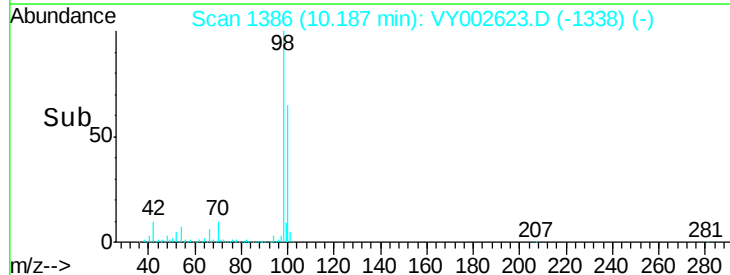
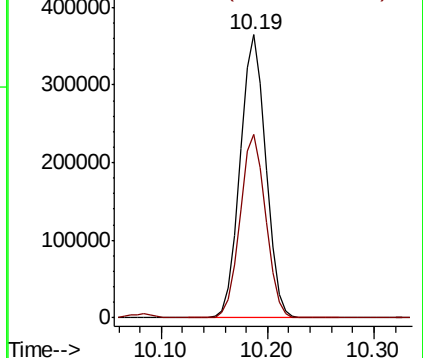


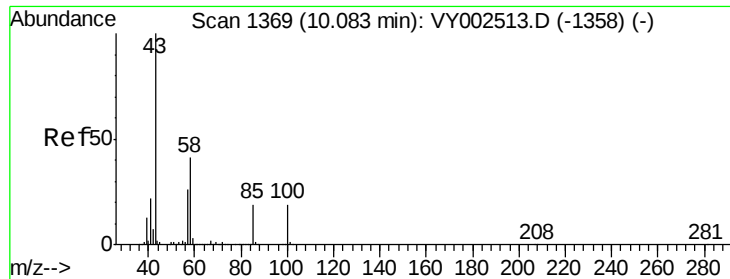
#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 98 Resp: 617977
Ion Ratio Lower Upper
98 100
100 64.8 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: 22.164 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

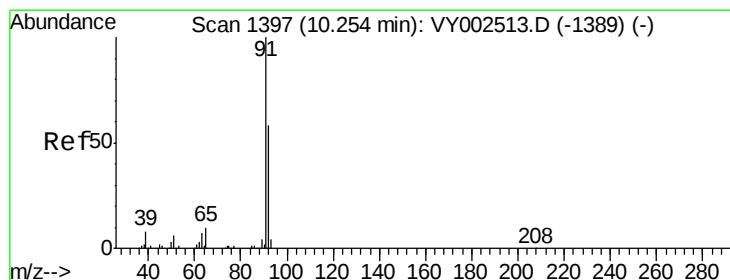
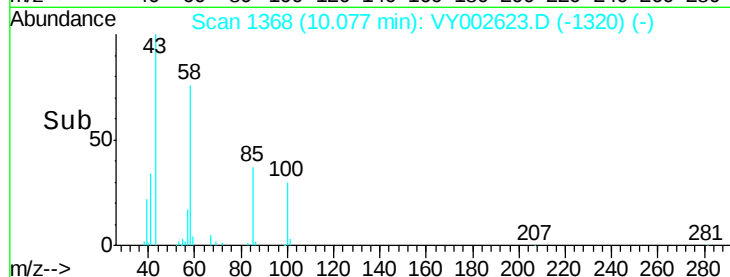
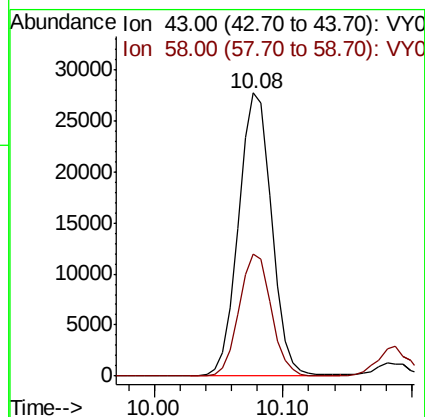
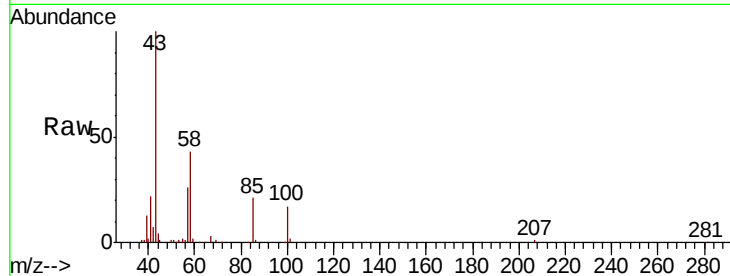
MDL-SOIL-03-QT2-2020DL

Tot Ion: 43 Resp: 49301

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



#52

Toluene

Concen: 4.632 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002623.D

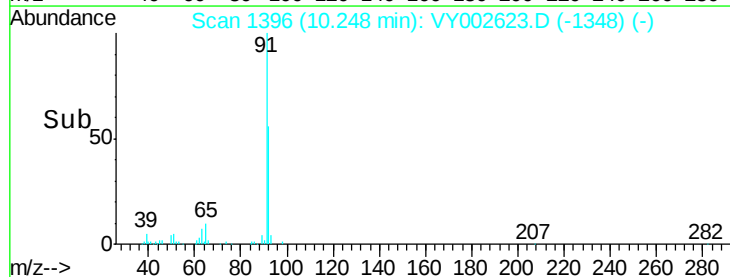
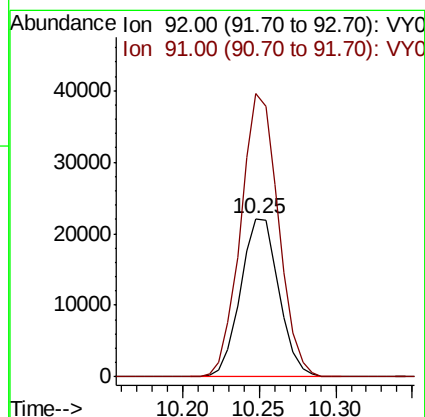
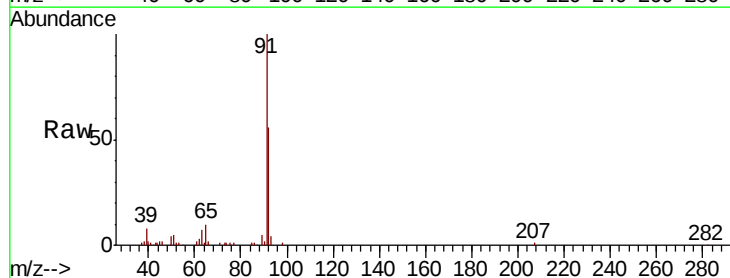
Acq: 07 May 2020 12:08

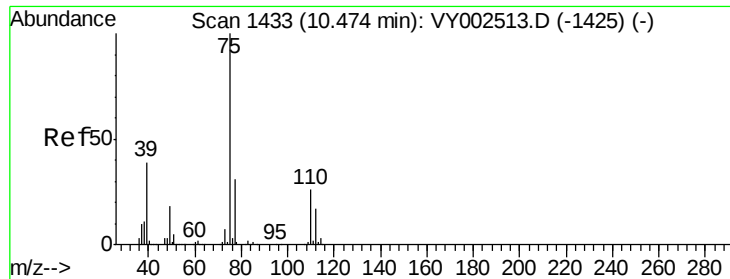
Tgt Ion: 92 Resp: 38515

Ion Ratio Lower Upper

92 100

91 175.9 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 4.155 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

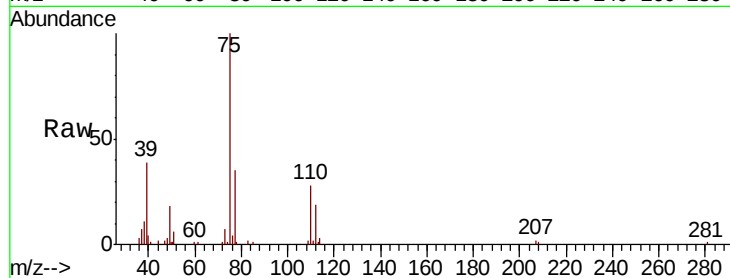
MDL-SOIL-03-QT2-2020DL

Tot Ion: 75 Resp: 19016

Ion Ratio Lower Upper

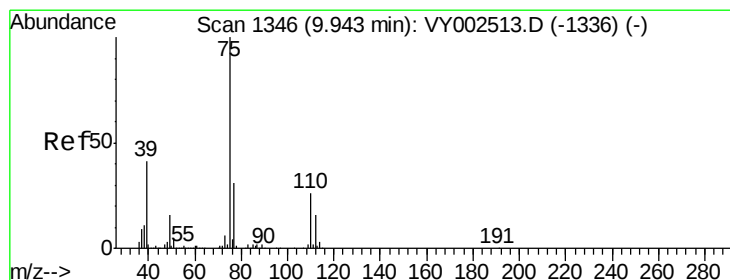
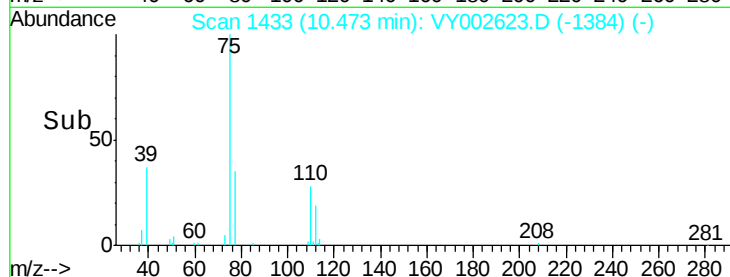
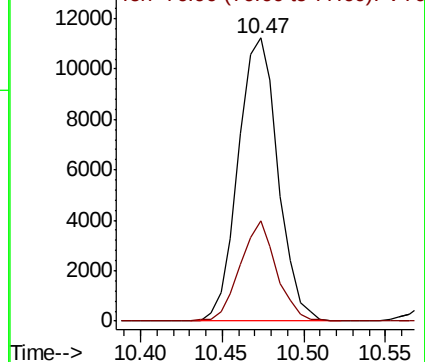
75 100

77 35.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 4.215 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

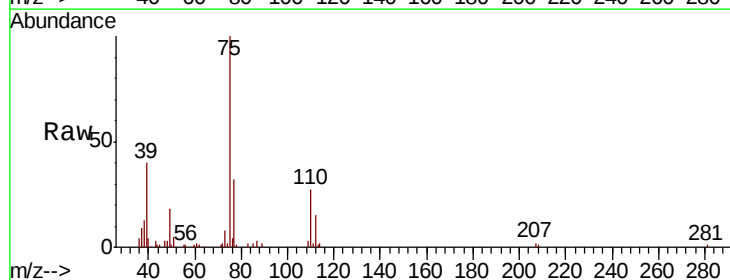
Tgt Ion: 75 Resp: 22301

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

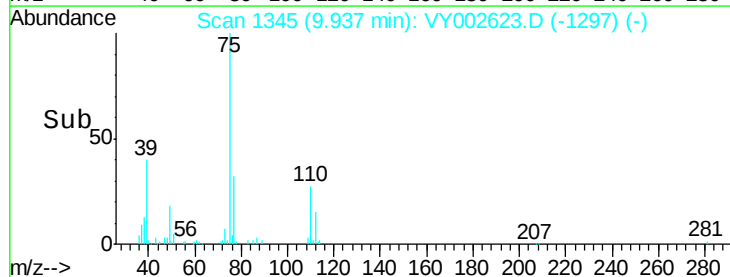
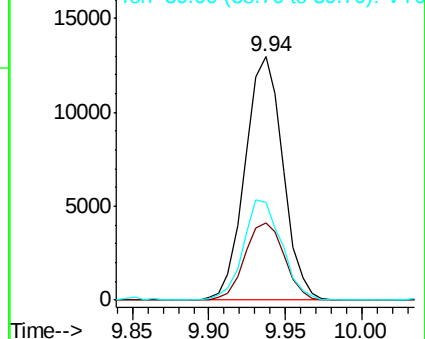
39 39.9 32.7 49.1

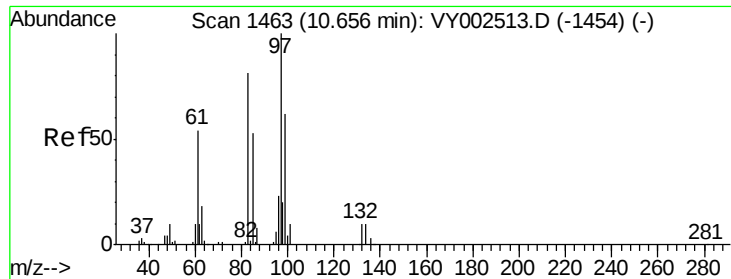


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

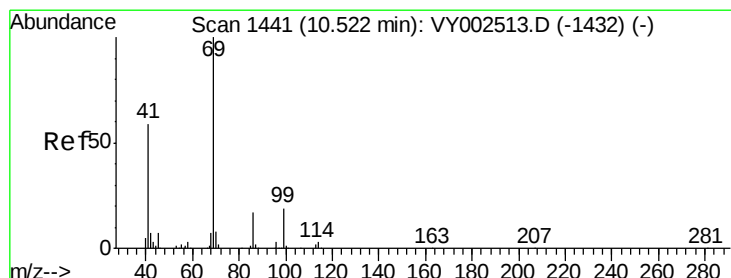
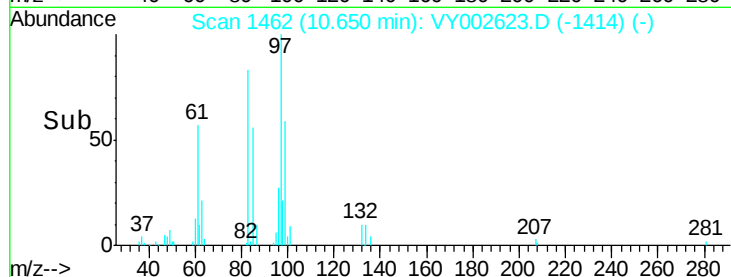
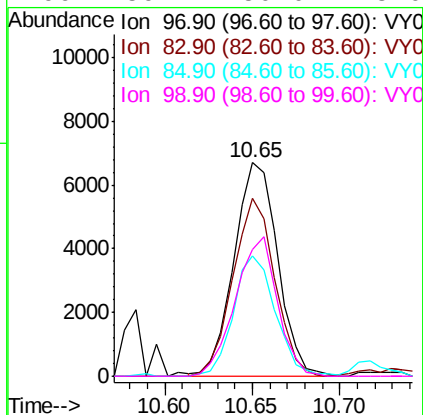
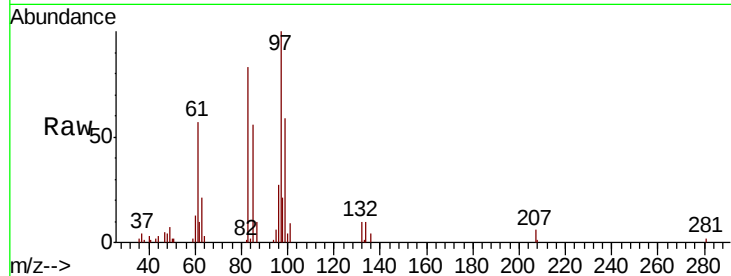




#55
 1,1,2-Trichloroethane
 Concen: 4.450 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

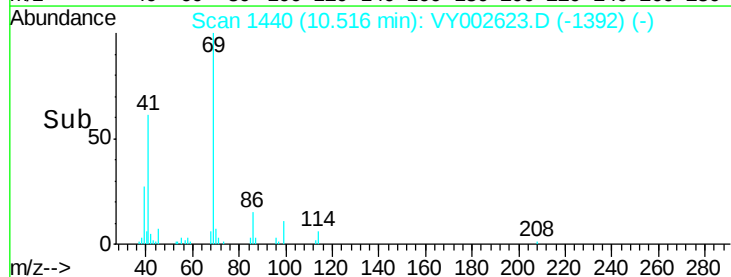
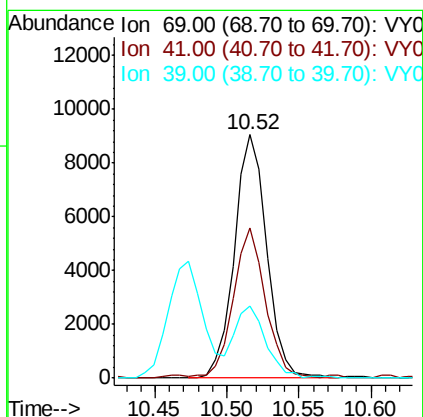
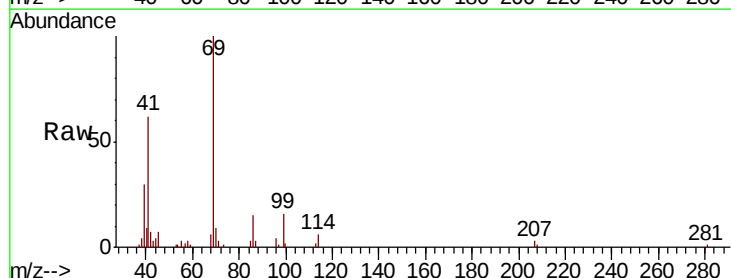
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

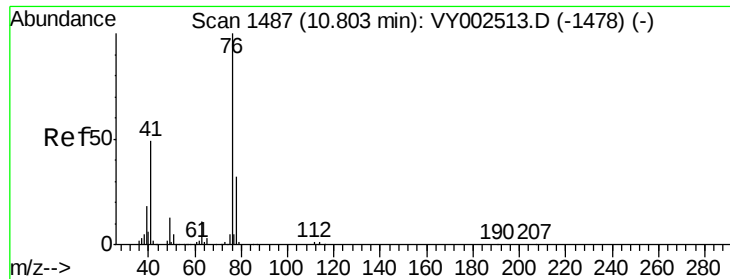
Tot Ion:	97	Resp:	11660
Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.1	97.7
85	56.4	42.7	64.1
99	59.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 4.059 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion:	69	Resp:	14146
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.6	73.0
39	27.2	25.0	37.4





#57

1,3-Dichloropropane

Concen: 4.300 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

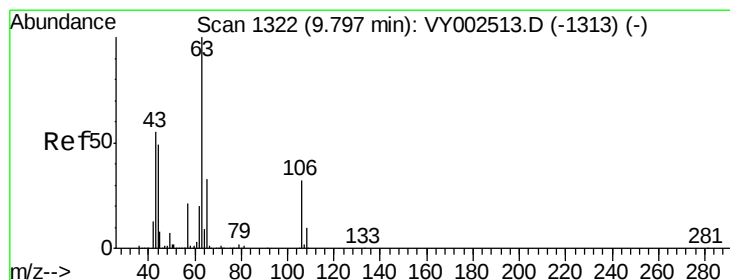
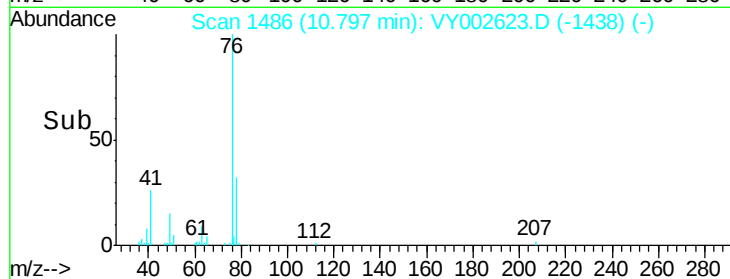
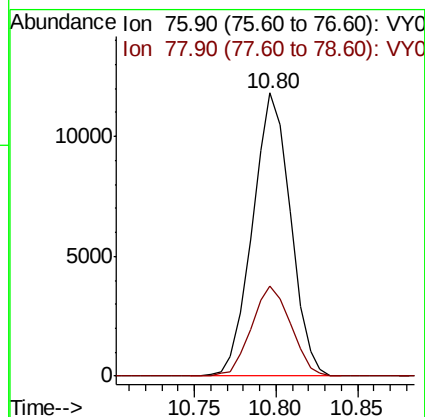
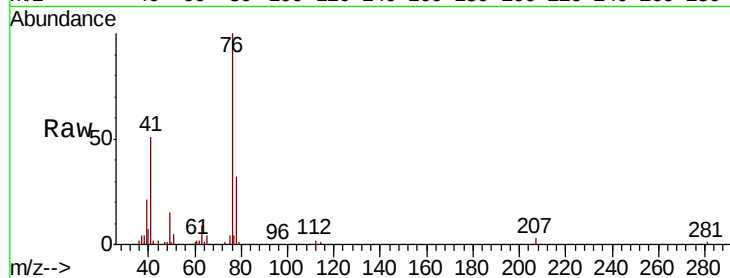
MDL-SOIL-03-QT2-2020DL

Tot Ion: 76 Resp: 19103

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 21.912 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY002623.D

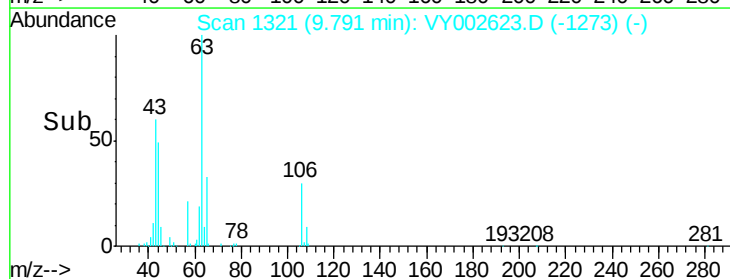
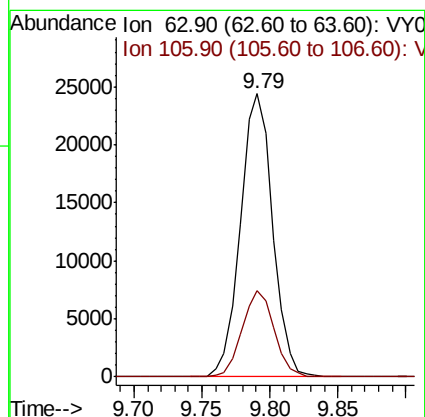
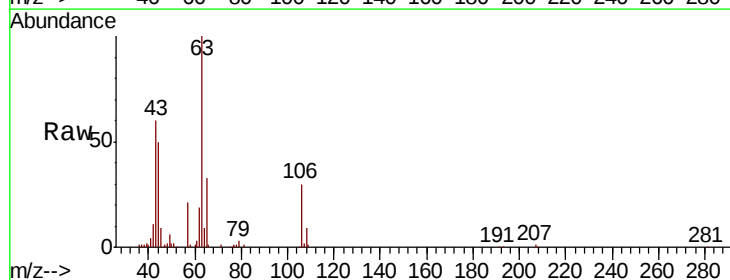
Acq: 07 May 2020 12:08

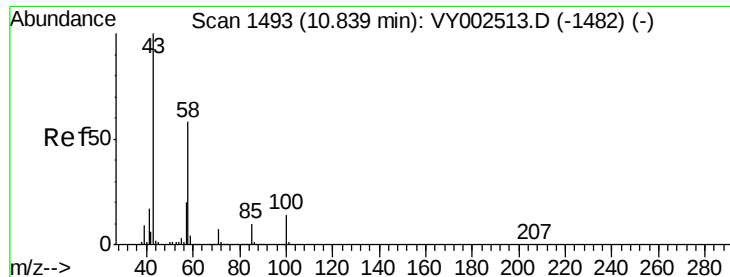
Tgt Ion: 63 Resp: 40275

Ion Ratio Lower Upper

63 100

106 30.2 25.2 37.8

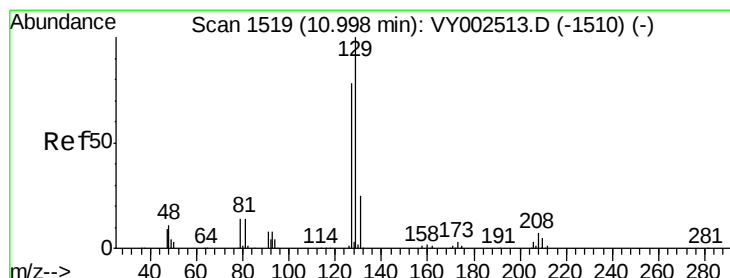
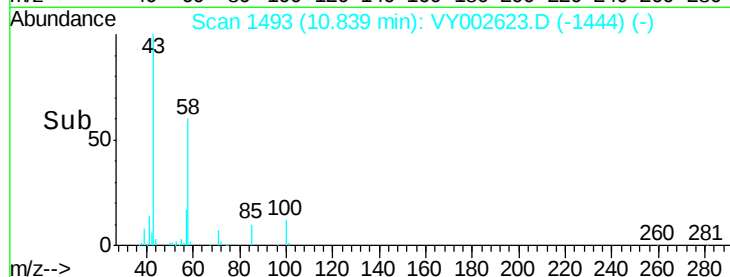
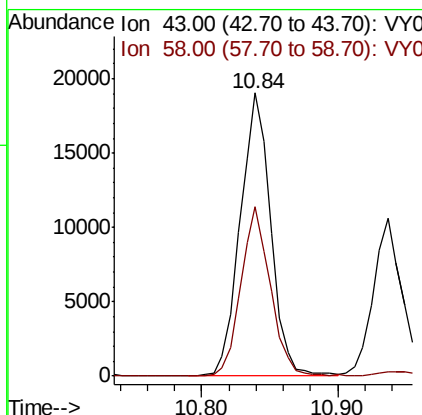
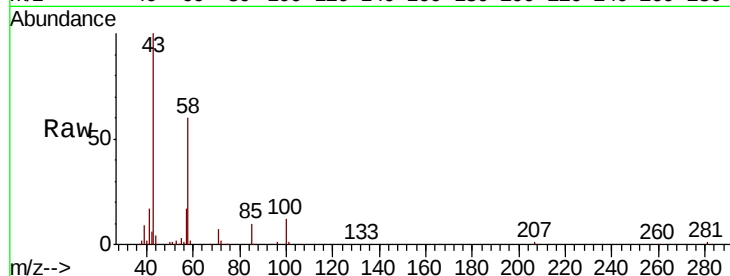




#59
2-Hexanone
Concen: 19.517 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

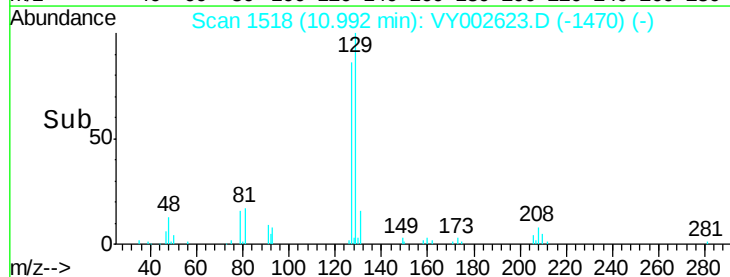
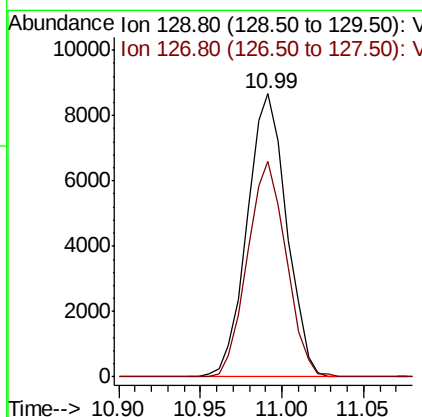
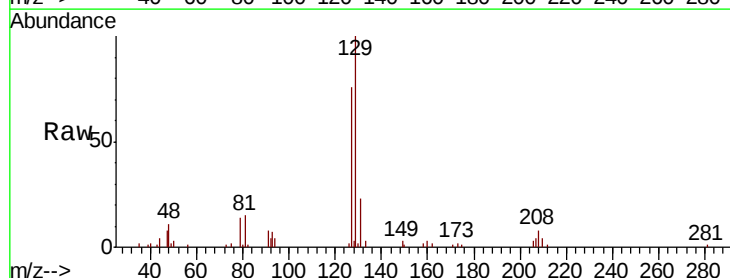
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

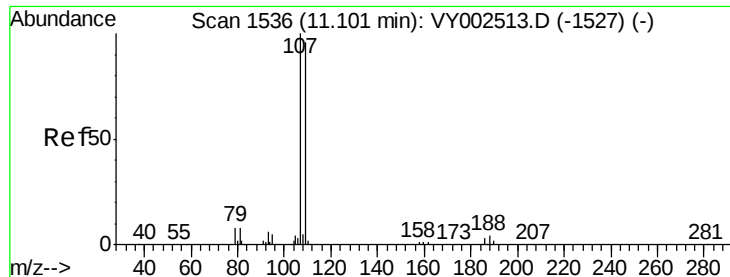
Tot Ion: 43 Resp: 29881
Ion Ratio Lower Upper
43 100
58 57.5 29.1 87.3



#60
Dibromochloromethane
Concen: 4.375 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 129 Resp: 14578
Ion Ratio Lower Upper
129 100
127 74.8 39.0 117.0

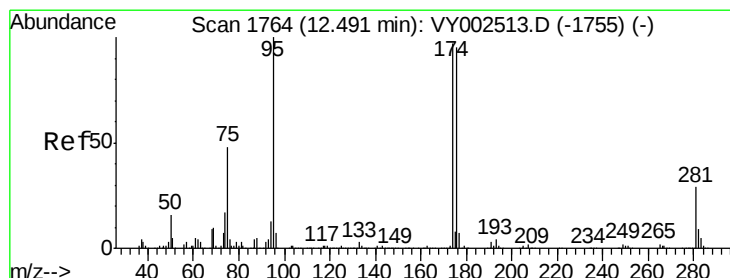
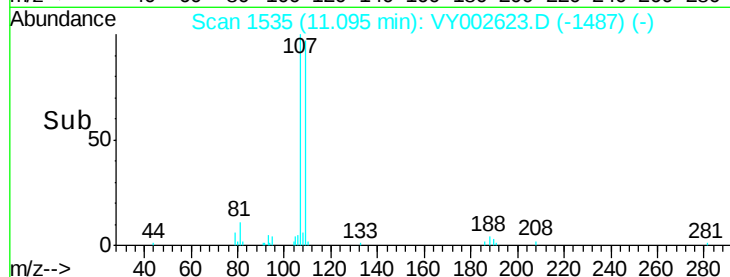
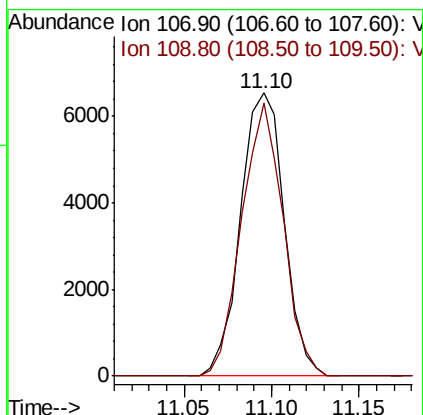
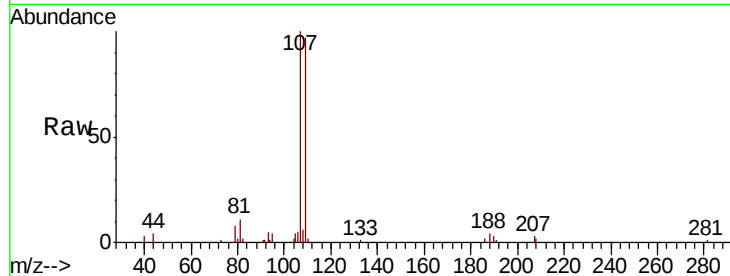




#61
 1,2-Dibromoethane
 Concen: 4.389 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

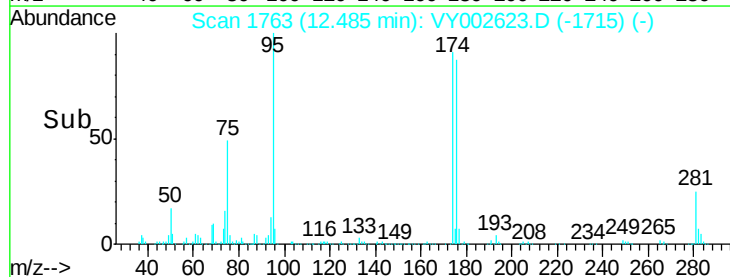
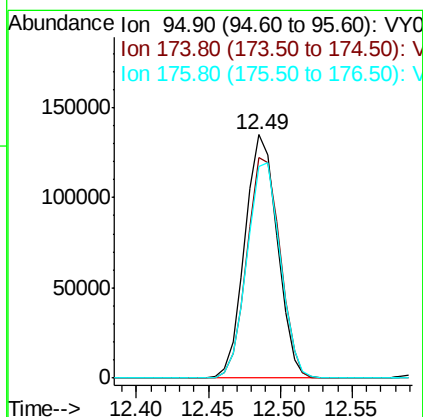
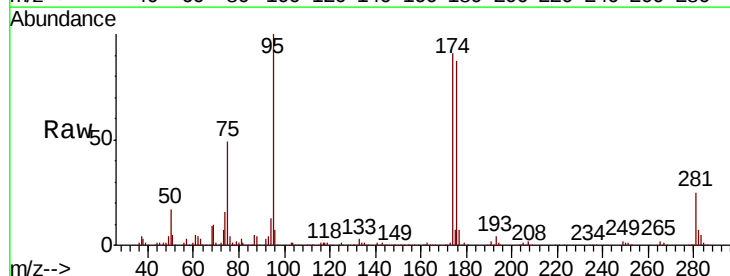
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

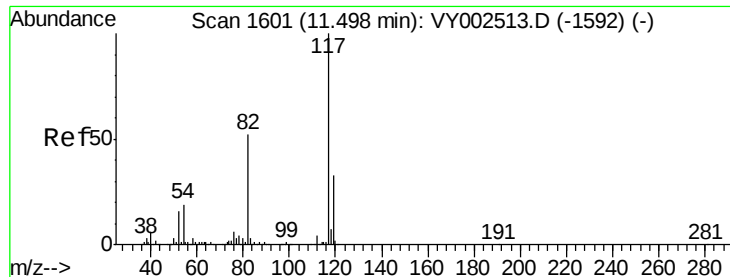
Tot Ion:107 Resp: 11385
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 52.019 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion: 95 Resp: 210657
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 188.8
 176 90.3 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: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

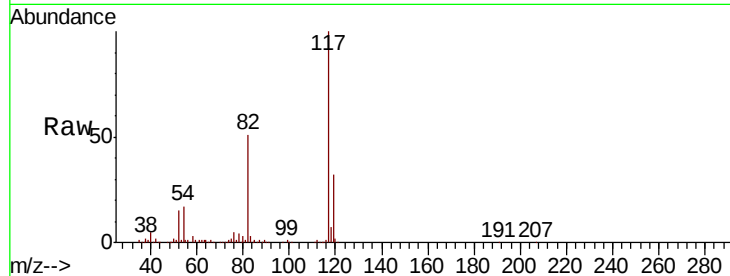
Tot Ion:117 Resp: 481623

Ion Ratio Lower Upper

117 100

82 51.1 41.3 61.9

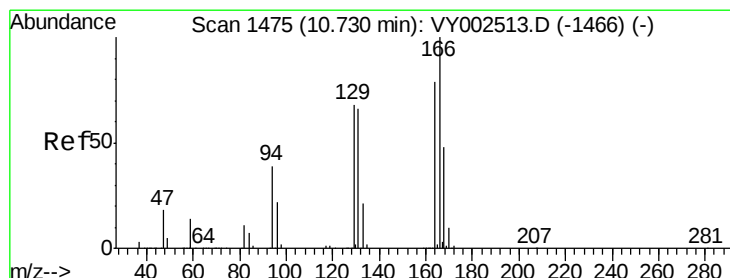
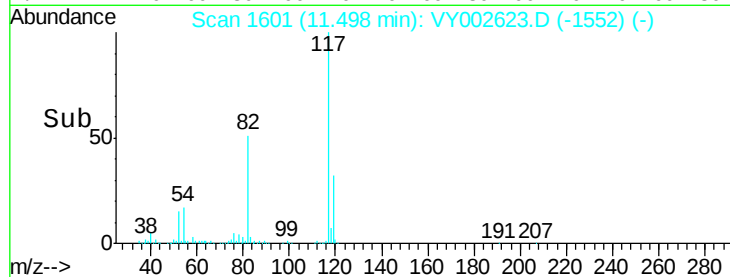
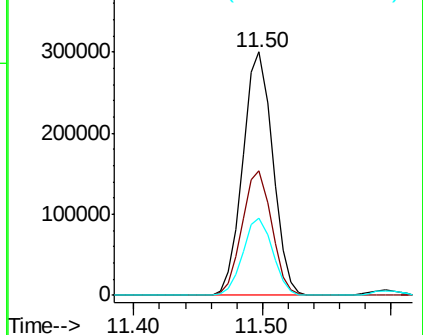
119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.973 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Tgt Ion:164 Resp: 21279

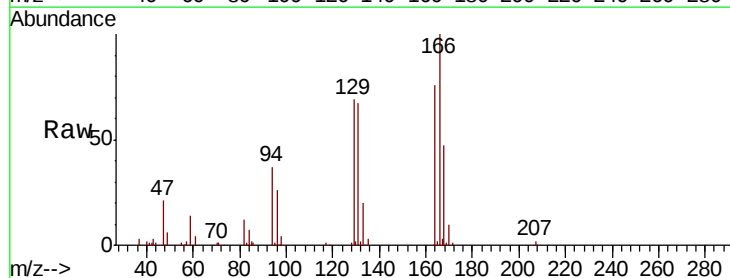
Ion Ratio Lower Upper

164 100

166 132.1 100.7 151.1

129 91.5 68.3 102.5

131 88.2 66.8 100.2

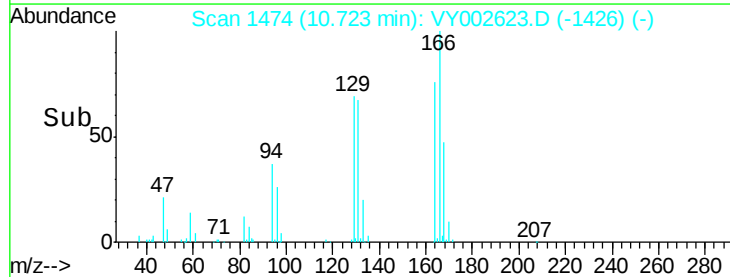
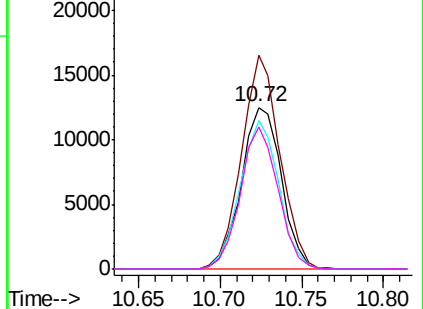


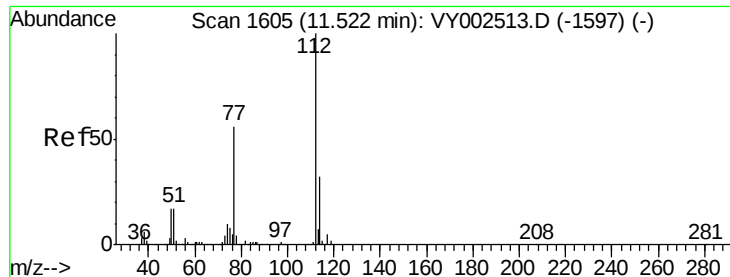
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.566 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

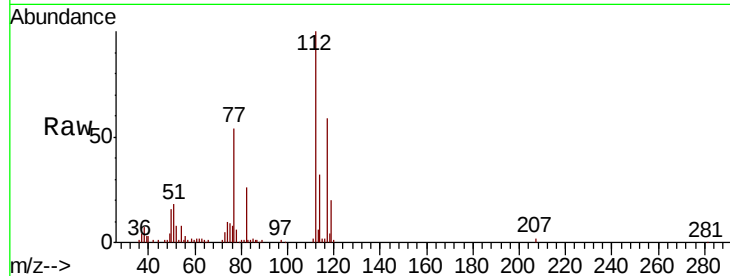
MDL-SOIL-03-QT2-2020DL

Tot Ion:112 Resp: 41807

Ion Ratio Lower Upper

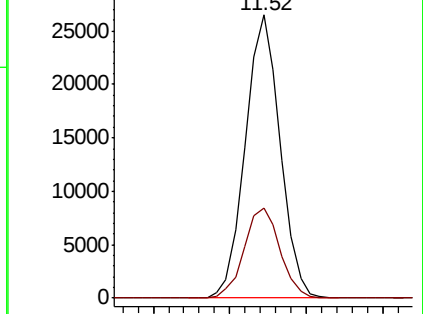
112 100

114 31.8 25.8 38.6

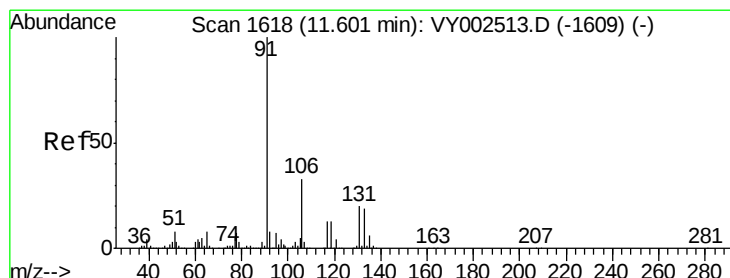
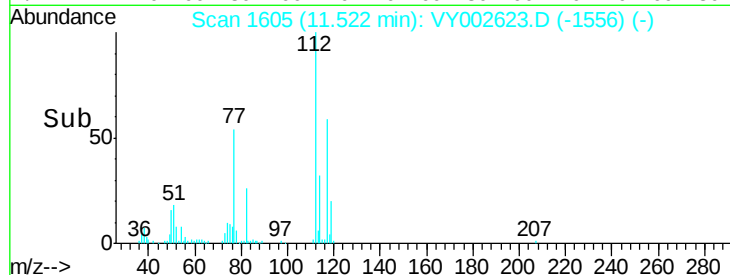


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 4.409 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

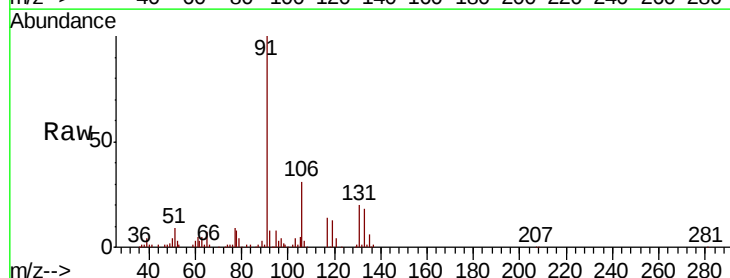
Tgt Ion:131 Resp: 14985

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

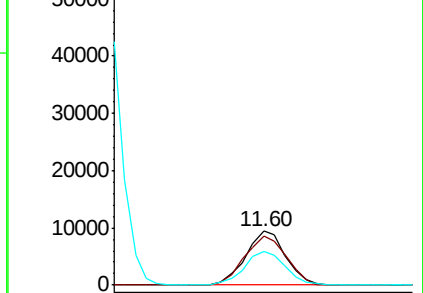
119 63.4 31.6 95.0



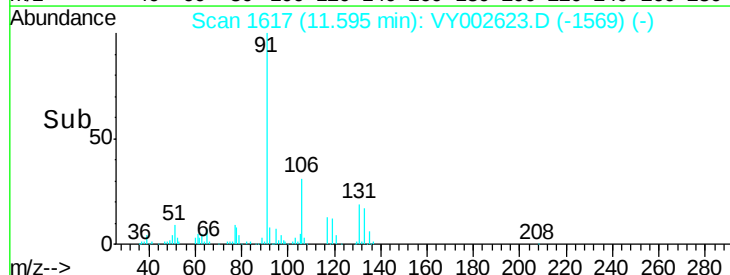
Abundance Ion 130.80 (130.50 to 131.50): V

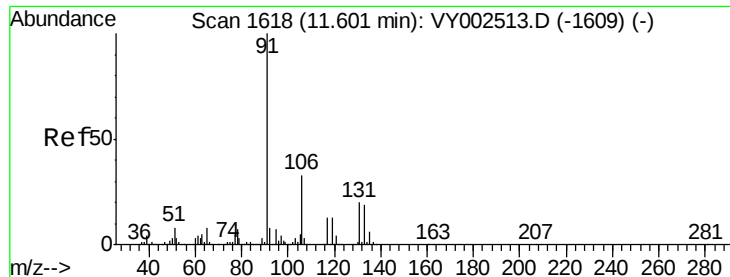
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 4.617 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

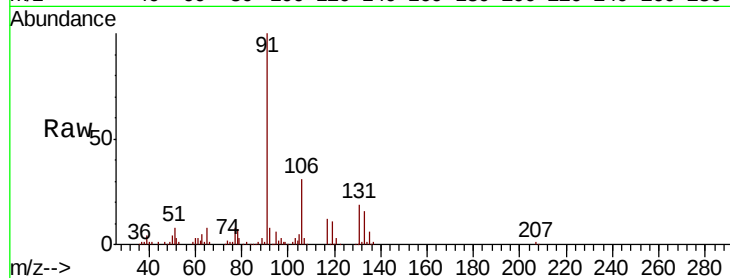
MDL-SOIL-03-QT2-2020DL

Tot Ion: 91 Resp: 74257

Ion Ratio Lower Upper

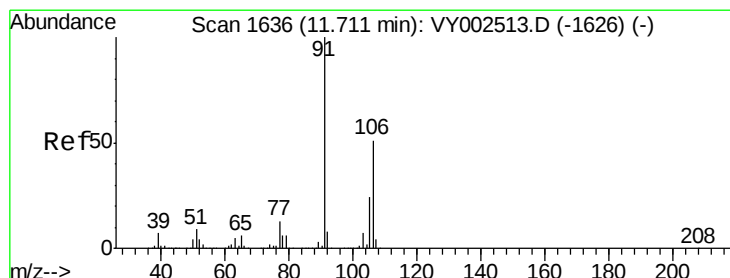
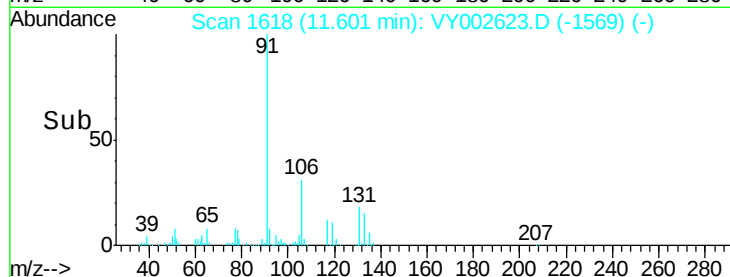
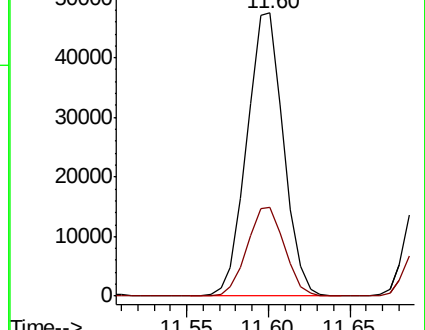
91 100

106 31.4 26.1 39.1



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

Ion 106.00 (105.70 to 106.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 9.052 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002623.D

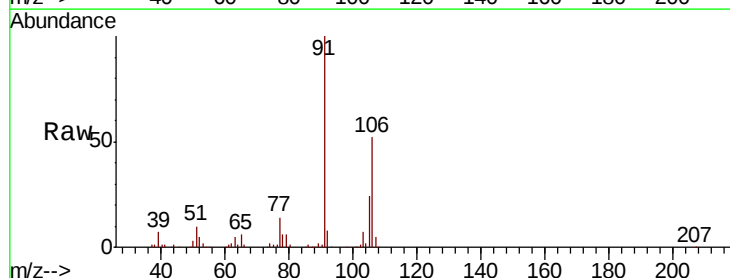
Acq: 07 May 2020 12:08

Tgt Ion: 106 Resp: 56328

Ion Ratio Lower Upper

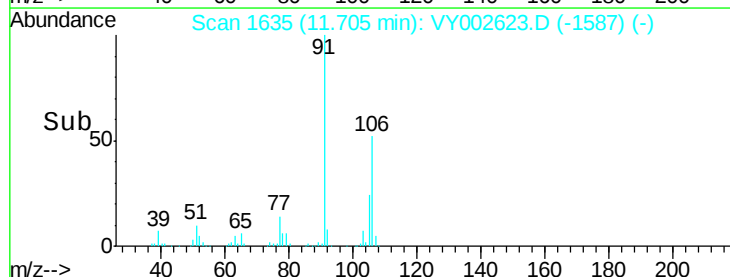
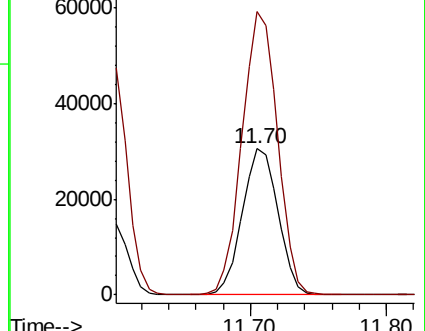
106 100

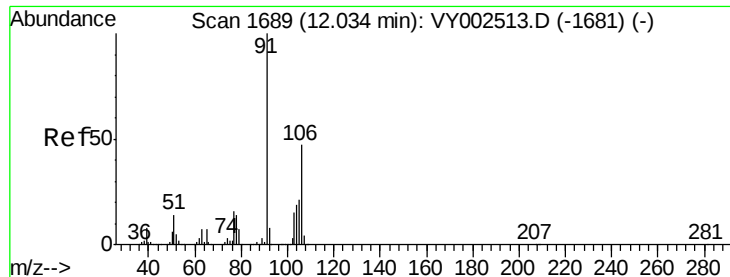
91 192.2 155.2 232.8



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

Ion 91.00 (90.70 to 91.70): VY002513.D (-1626) (-)

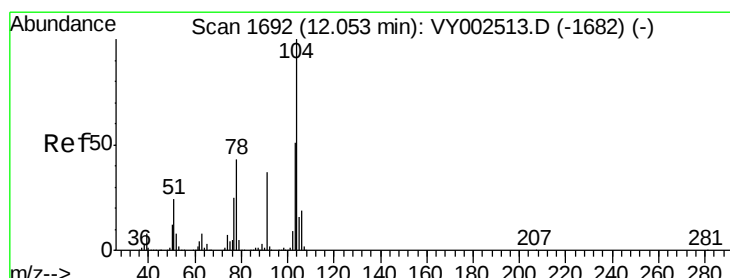
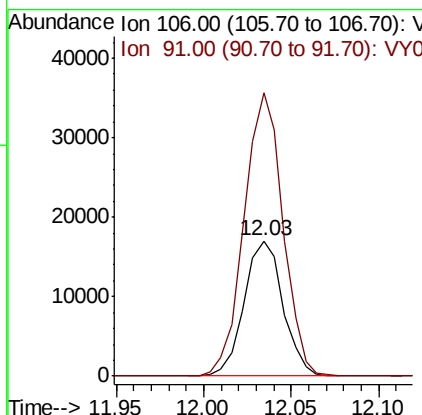
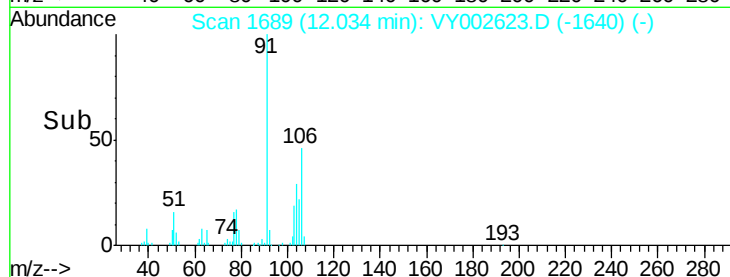
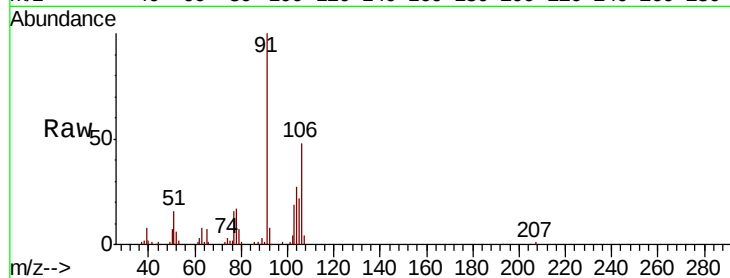




#69
o-Xylene
Concen: 4.503 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

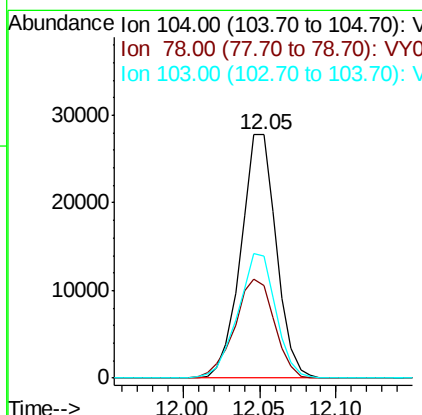
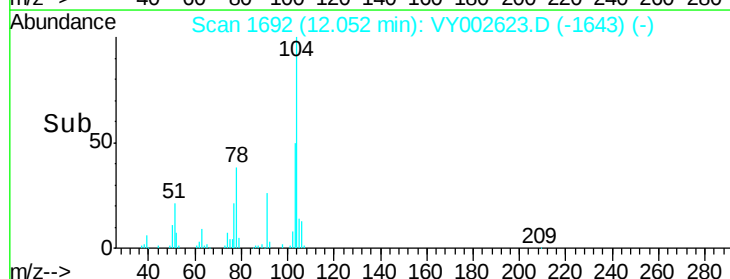
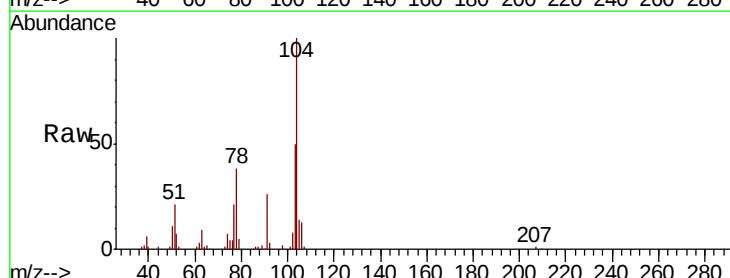
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

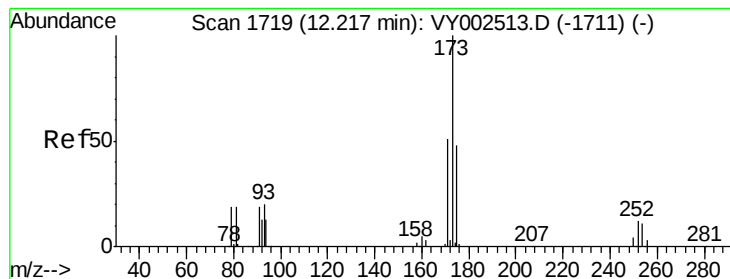
Tot Ion:106 Resp: 26236
Ion Ratio Lower Upper
106 100
91 209.2 103.8 311.3



#70
Styrene
Concen: 4.480 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion:104 Resp: 44620
Ion Ratio Lower Upper
104 100
78 45.3 37.4 56.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 4.024 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

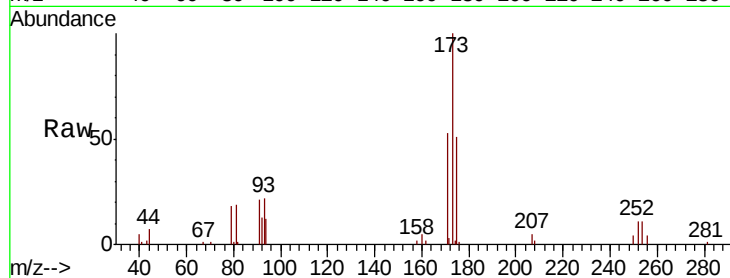
Tot Ion:173 Resp: 8489

Ion Ratio Lower Upper

173 100

175 51.2 24.3 72.8

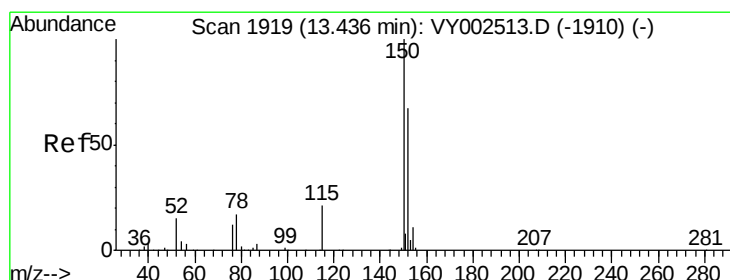
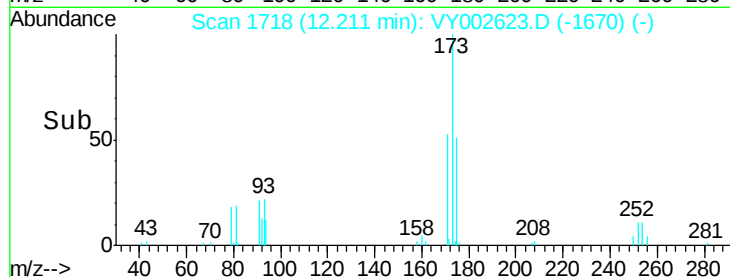
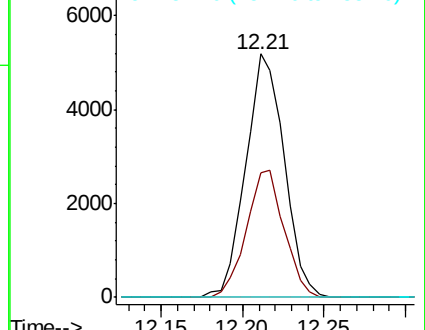
254 0.0 0.2 0.2#



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: VY002623.D

Acq: 07 May 2020 12:08

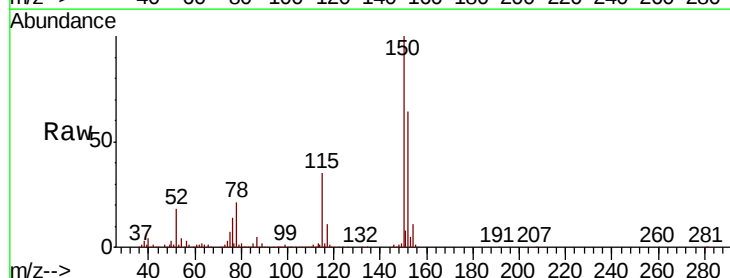
Tgt Ion:152 Resp: 247398

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

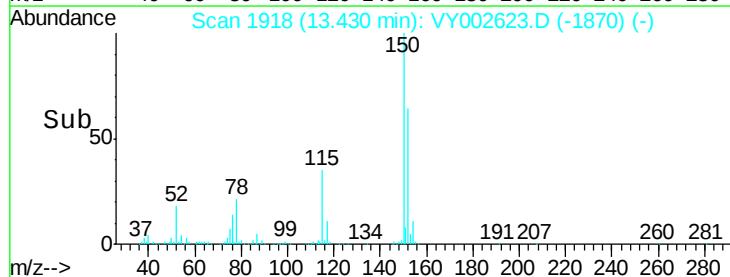
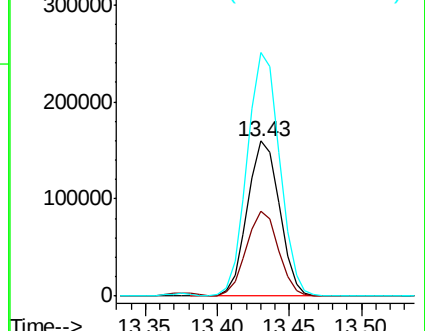
150 158.5 0.0 346.4

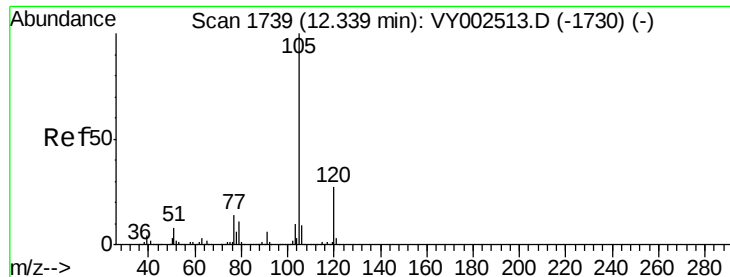


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.545 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

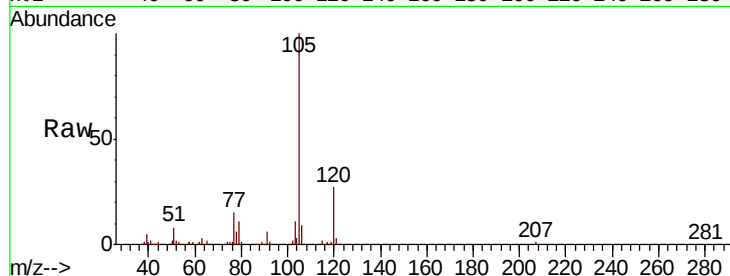
MDL-SOIL-03-QT2-2020DL

Tot Ion: 105 Resp: 72870

Ion Ratio Lower Upper

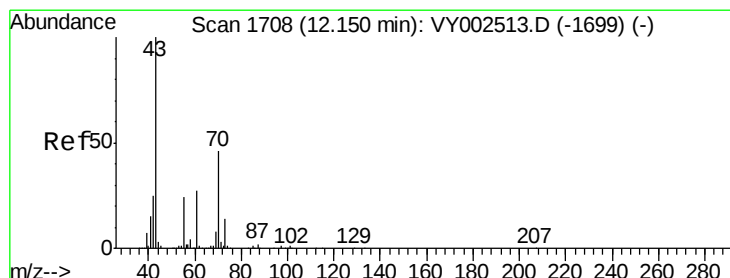
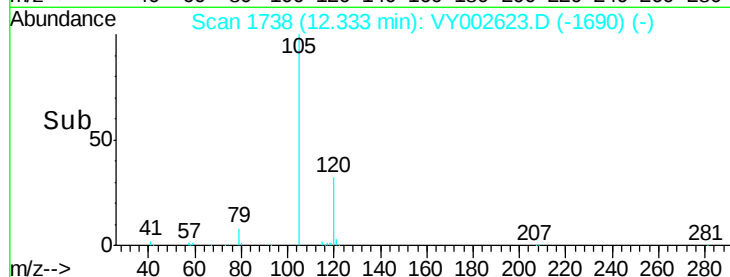
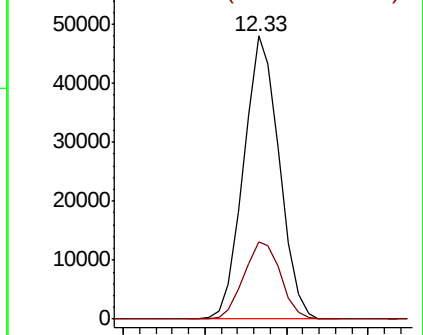
105 100

120 28.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.969 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Tgt Ion: 43 Resp: 15309

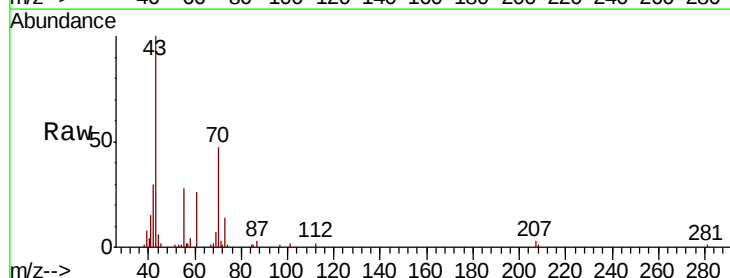
Ion Ratio Lower Upper

43 100

70 47.9 36.7 55.1

55 28.8 19.2 28.8#

61 25.6 21.1 31.7

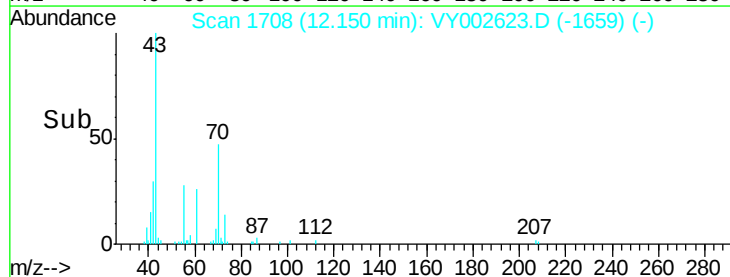
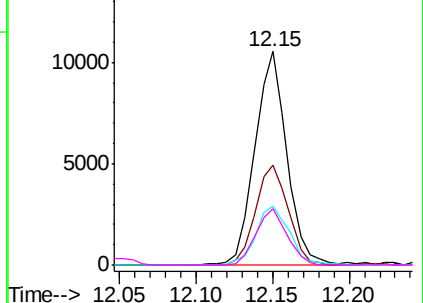


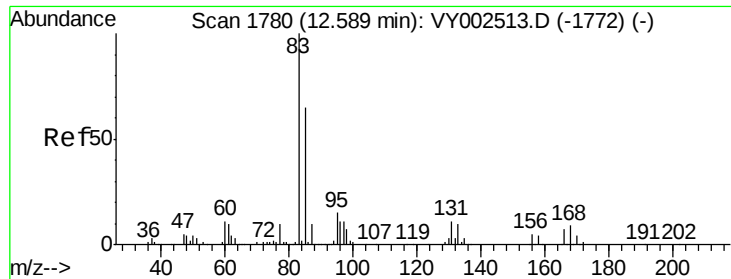
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.122 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

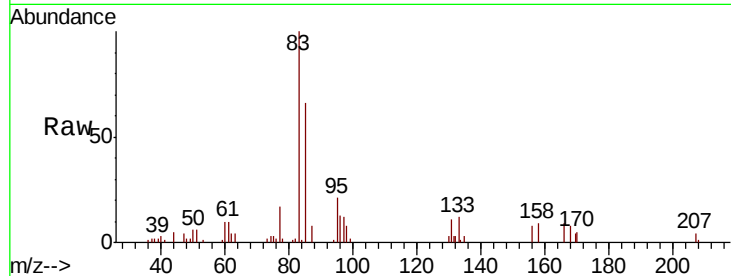
Tot Ion: 83 Resp: 10512

Ion Ratio Lower Upper

83 100

131 10.5 5.9 17.8

85 64.6 31.9 95.9

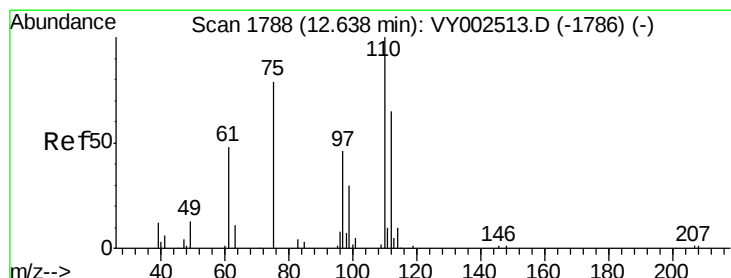
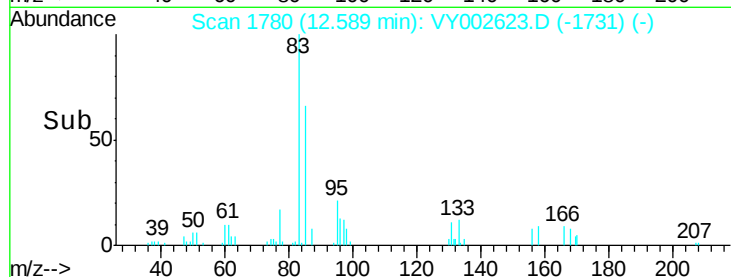


Abundance Ion 82.90 (82.60 to 83.60): VY002623.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY002623.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY002623.D (-1731) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.463 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002623.D

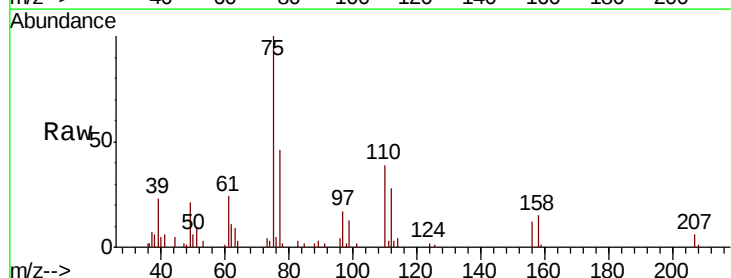
Acq: 07 May 2020 12:08

Tgt Ion: 75 Resp: 16408

Ion Ratio Lower Upper

75 100

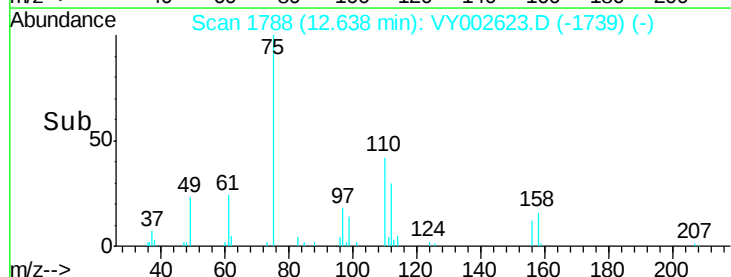
77 0.0 0.0 0.0

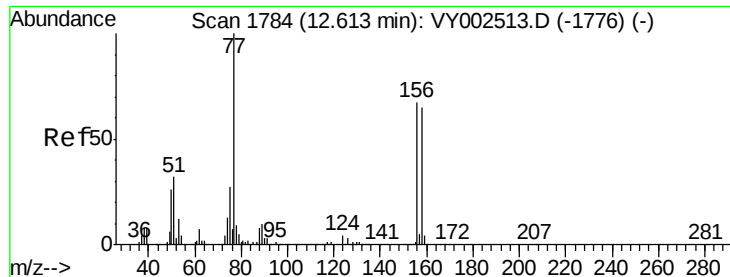


Abundance Ion 74.90 (74.60 to 75.60): VY002623.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY002623.D (-1739) (-)

Time-->





#77

Bromobenzene

Concen: 4.521 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

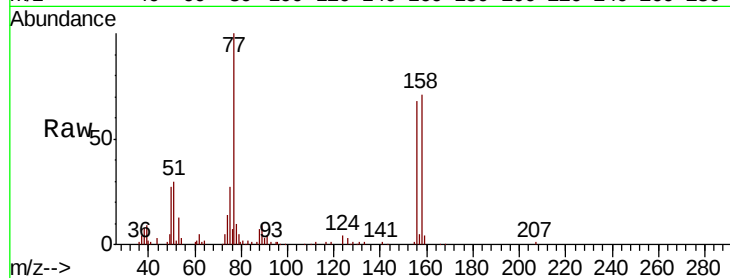
Tot Ion:156 Resp: 18110

Ion Ratio Lower Upper

156 100

77 163.9 82.0 245.8

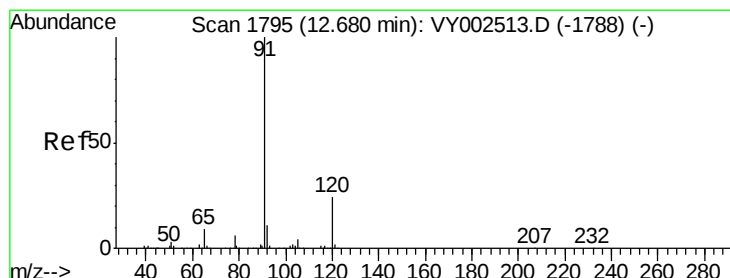
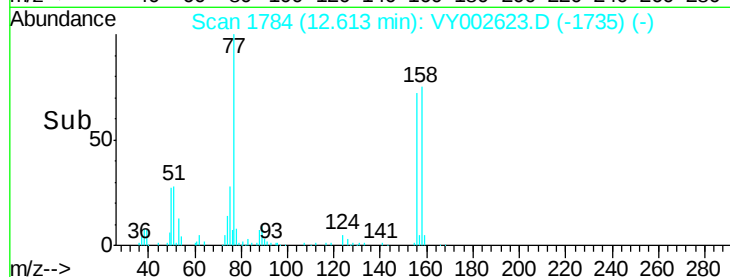
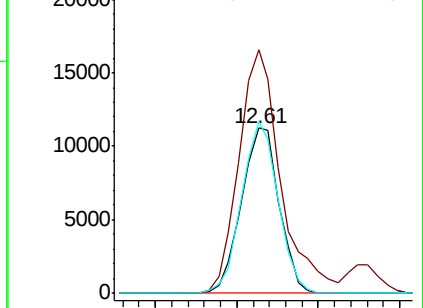
158 100.4 48.5 145.6



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: 4.652 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002623.D

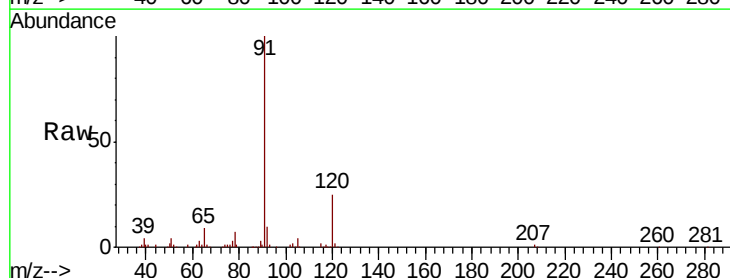
Acq: 07 May 2020 12:08

Tgt Ion: 91 Resp: 86560

Ion Ratio Lower Upper

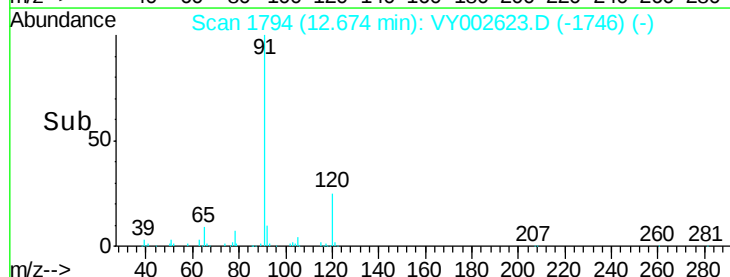
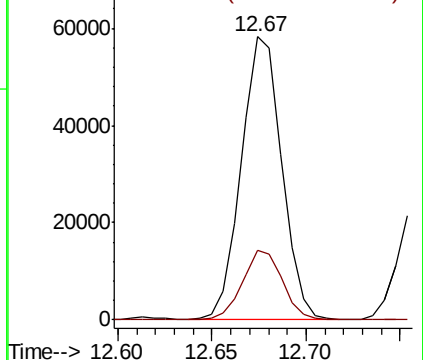
91 100

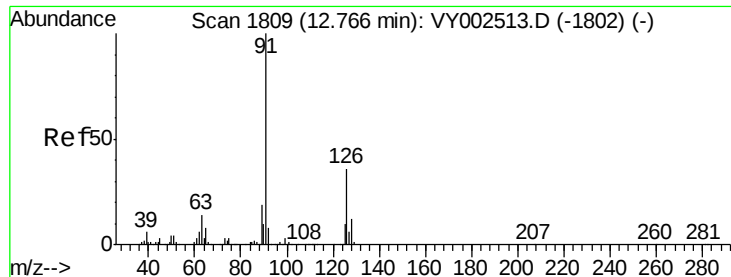
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

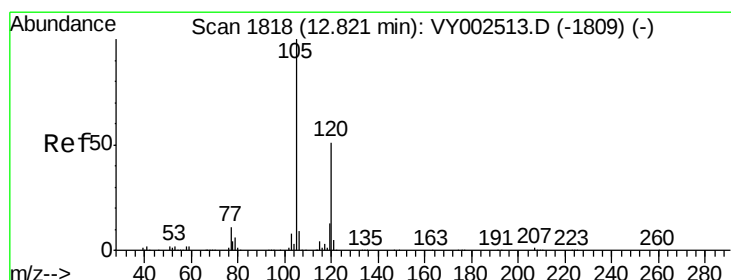
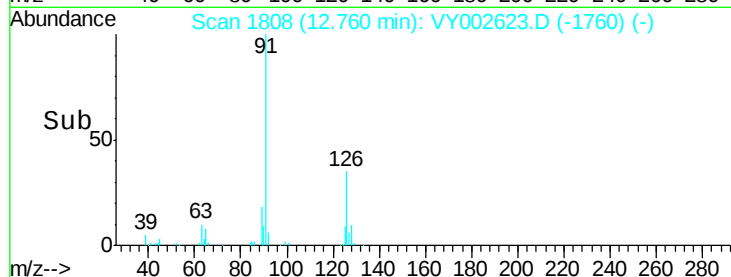
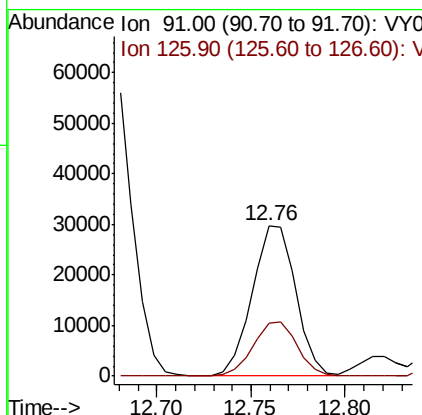
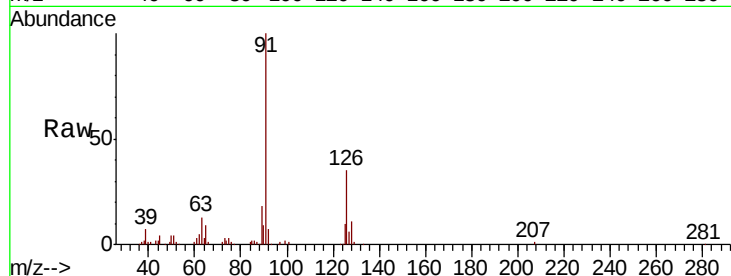




#79
2-Chlorotoluene
Concen: 4.626 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

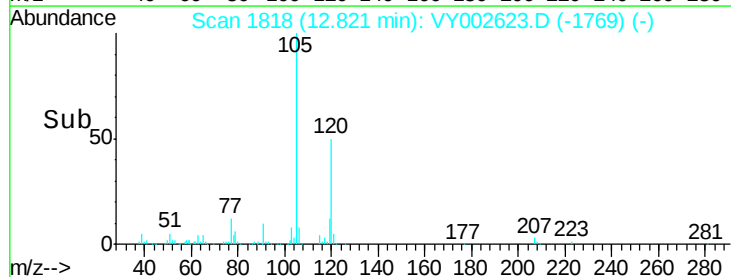
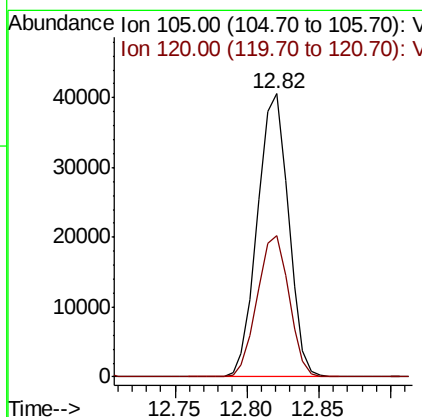
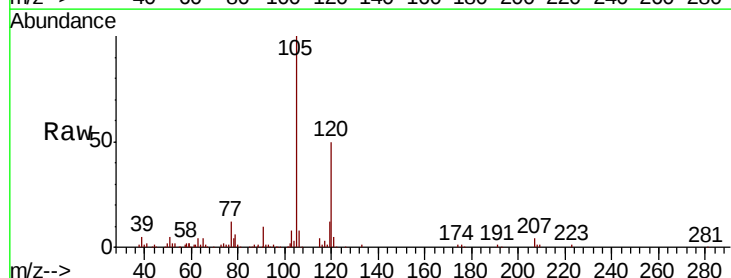
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

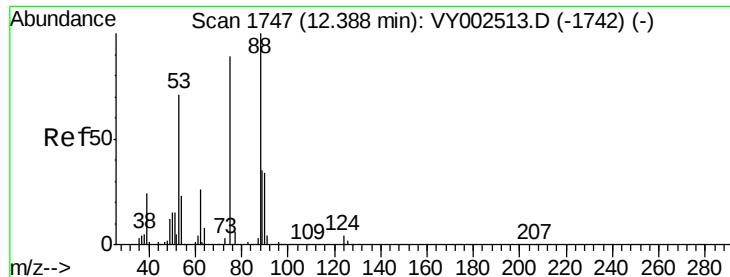
Tot Ion: 91 Resp: 47679
Ion Ratio Lower Upper
91 100
126 36.1 18.4 55.2



#80
1,3,5-Trimethylbenzene
Concen: 4.559 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 105 Resp: 60596
Ion Ratio Lower Upper
105 100
120 50.8 25.3 75.9

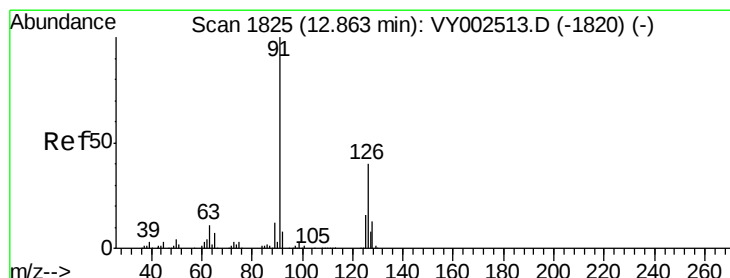
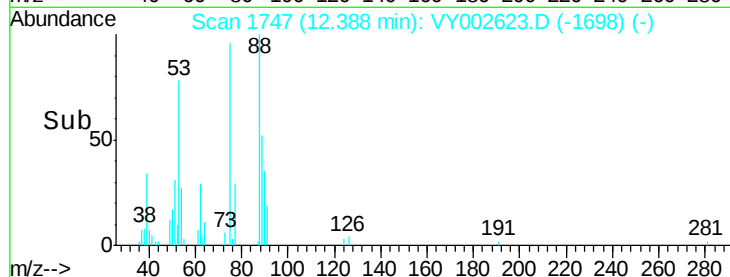
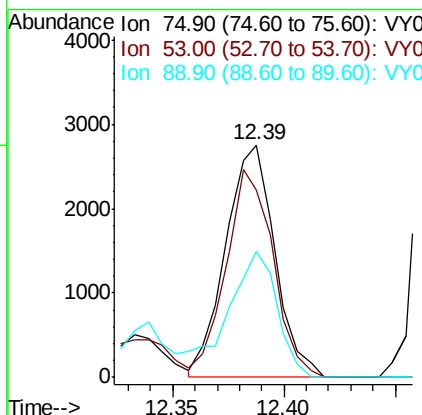
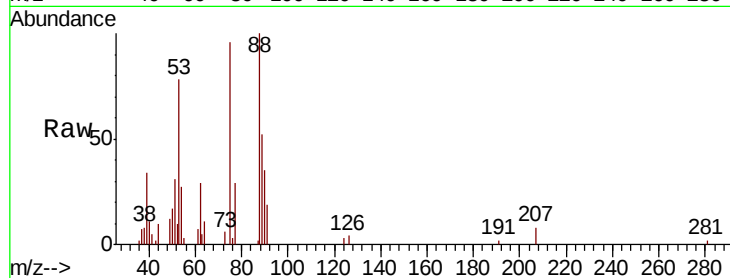




#81
trans-1,4-Dichloro-2-butene
Concen: 3.859 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

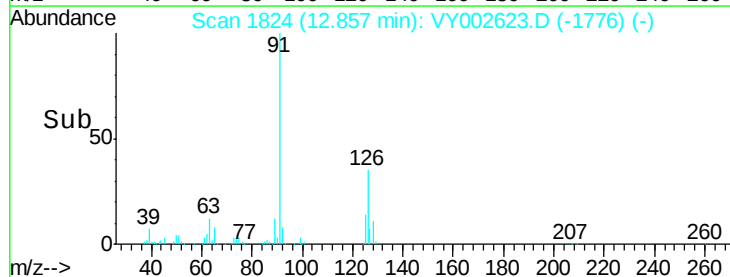
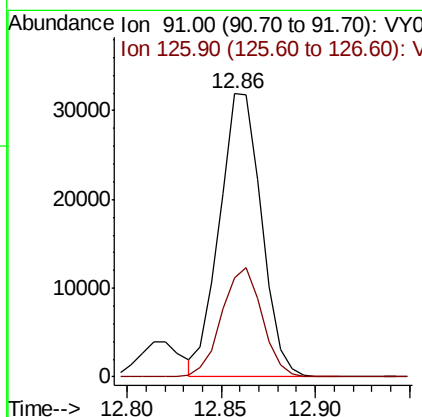
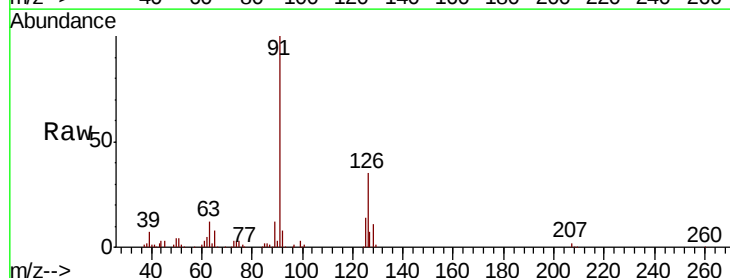
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

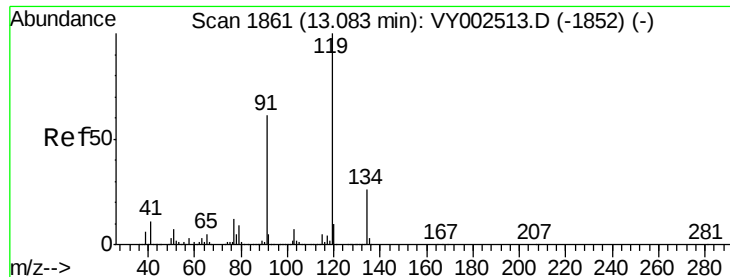
Tot Ion: 75 Resp: 4231
Ion Ratio Lower Upper
75 100
53 85.5 67.4 101.0
89 53.2 37.4 56.0



#82
4-Chlorotoluene
Concen: 4.570 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion: 91 Resp: 49472
Ion Ratio Lower Upper
91 100
126 37.1 18.5 55.5

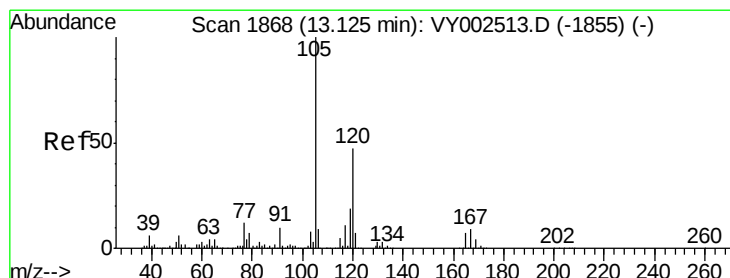
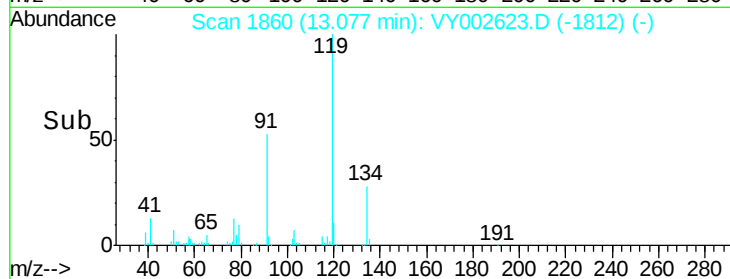
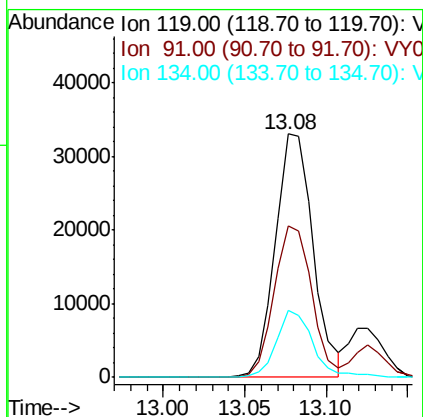
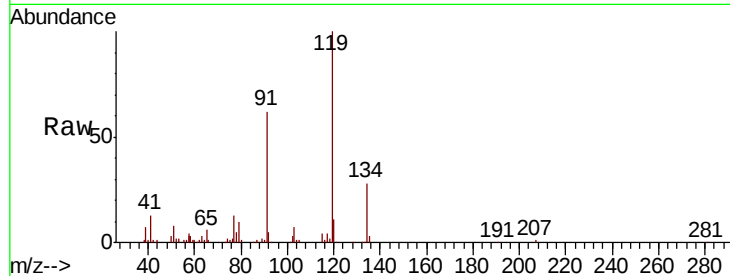




#83
tert-Butylbenzene
Concen: 4.529 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

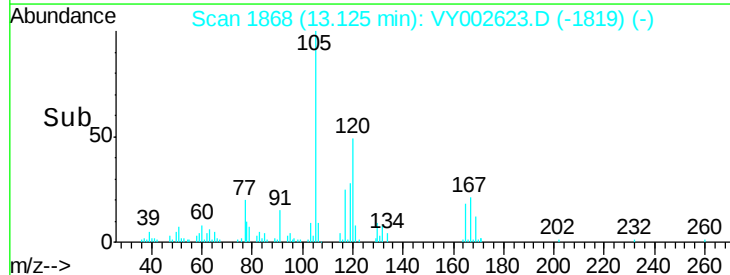
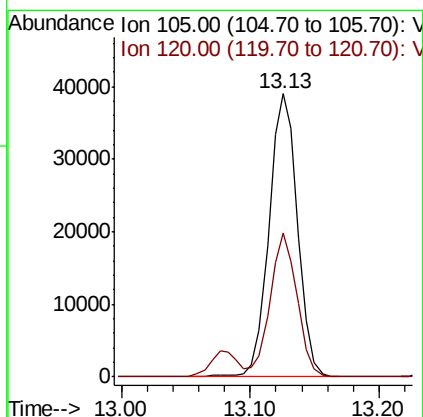
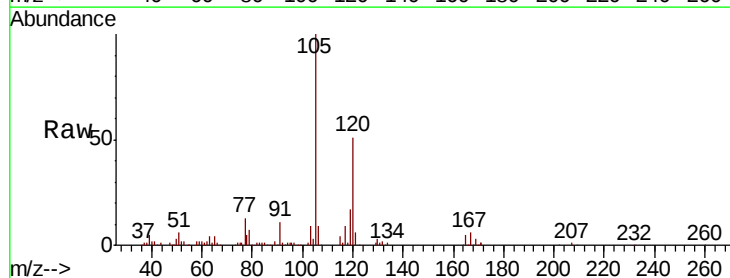
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2020DL

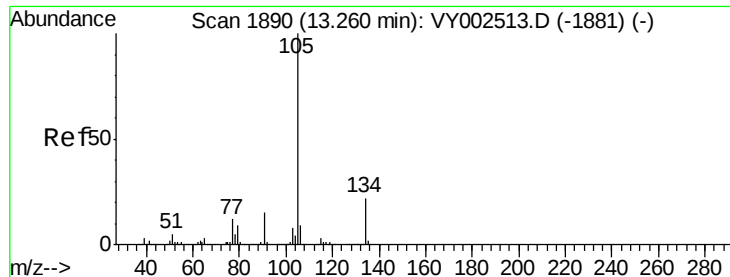
Tot Ion:119 Resp: 52782
Ion Ratio Lower Upper
119 100
91 62.1 30.6 91.6
134 26.7 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 4.528 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002623.D
Acq: 07 May 2020 12:08

Tgt Ion:105 Resp: 59978
Ion Ratio Lower Upper
105 100
120 48.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 4.617 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

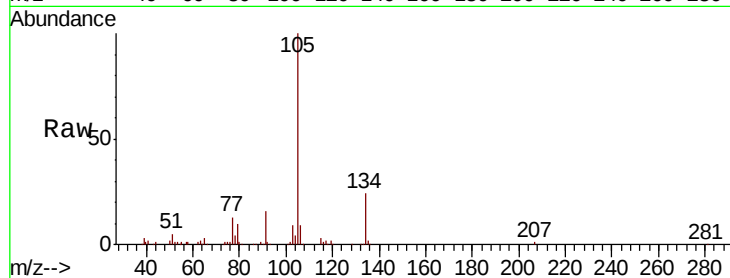
MDL-SOIL-03-QT2-2020DL

Tot Ion:105 Resp: 74667

Ion Ratio Lower Upper

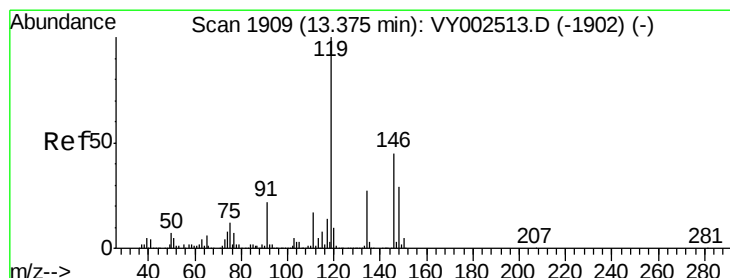
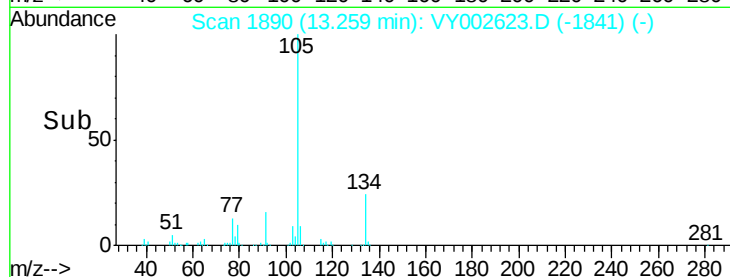
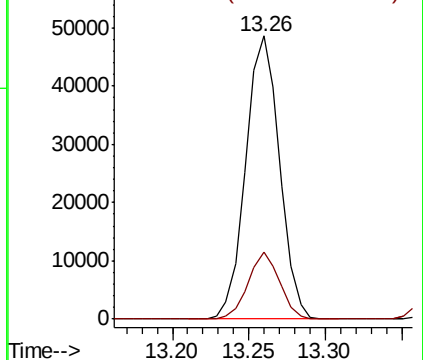
105 100

134 22.0 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.645 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

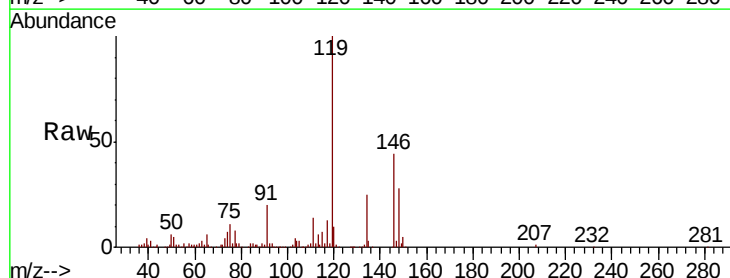
Tgt Ion:119 Resp: 70382

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

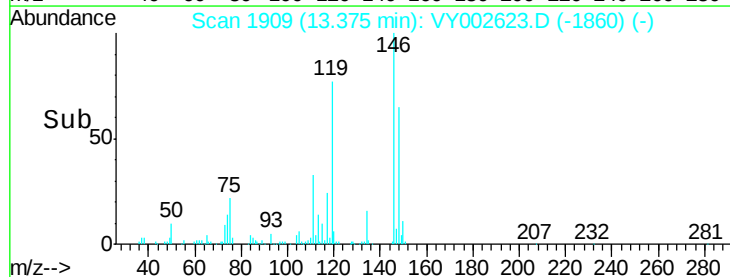
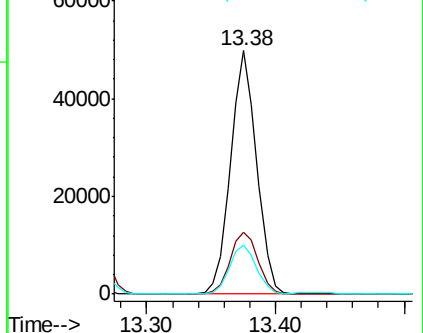
91 20.9 10.9 32.9

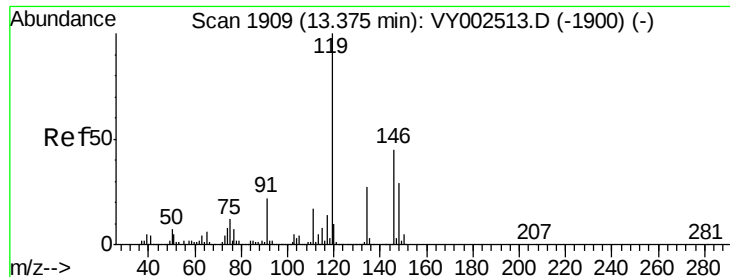


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

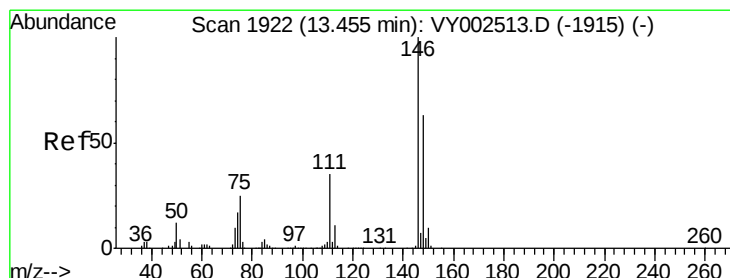
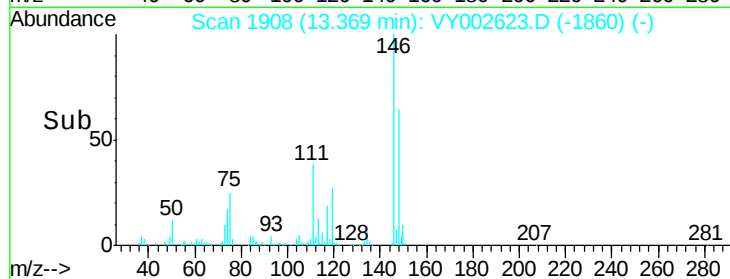
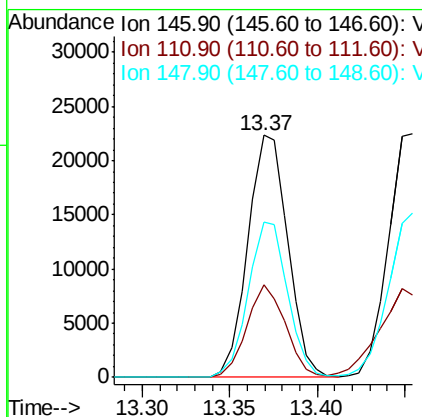
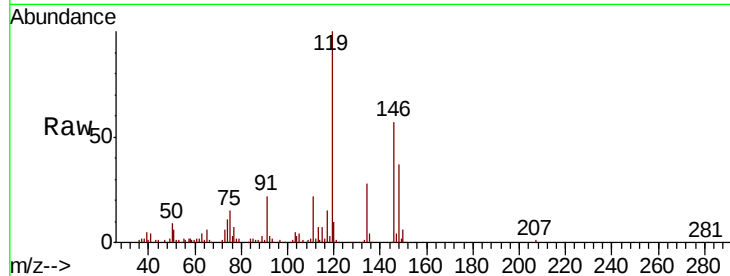




#87
 1,3-Dichlorobenzene
 Concen: 4.675 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

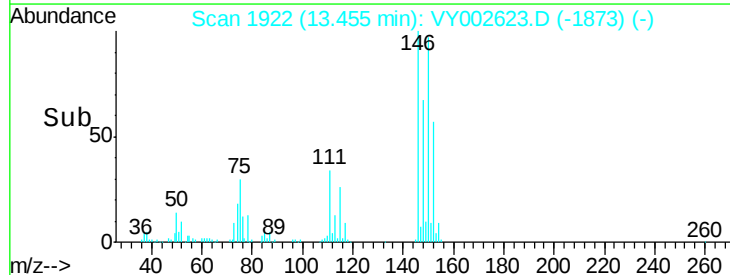
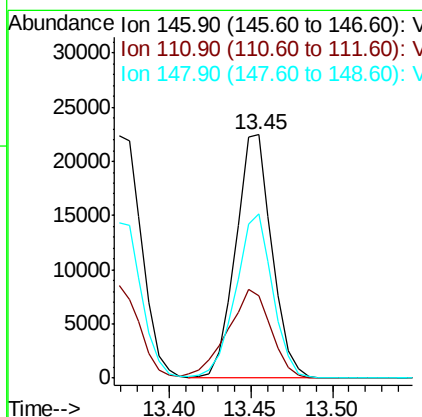
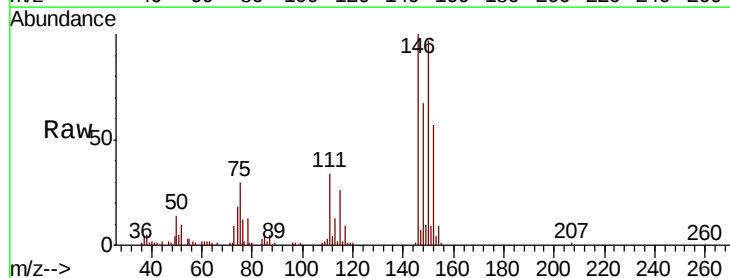
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

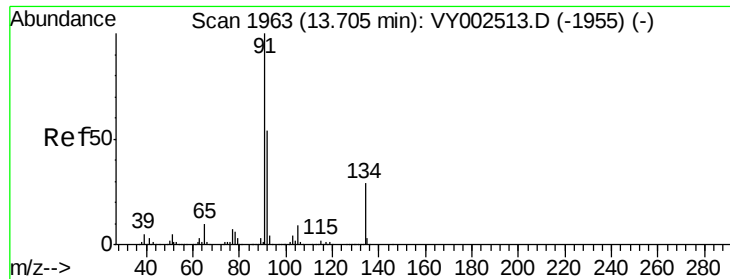
Tot Ion:146 Resp: 35446
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 63.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 4.630 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion:146 Resp: 34763
 Ion Ratio Lower Upper
 146 100
 111 43.8 18.1 54.1
 148 68.6 31.9 95.5





#89

n-Butylbenzene

Concen: 4.639 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

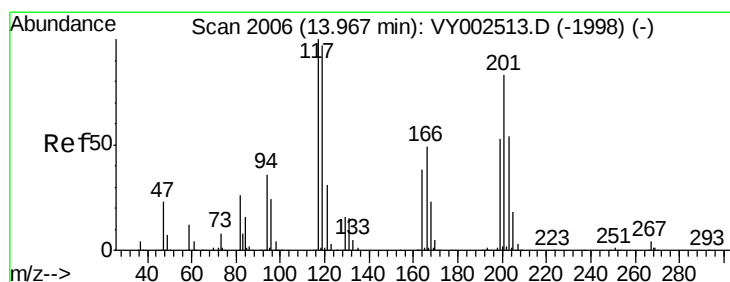
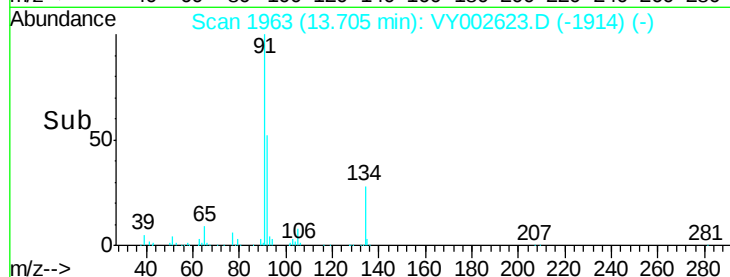
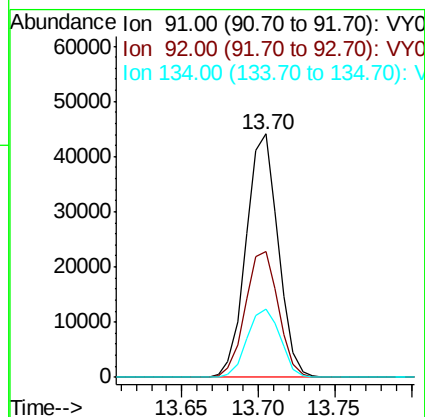
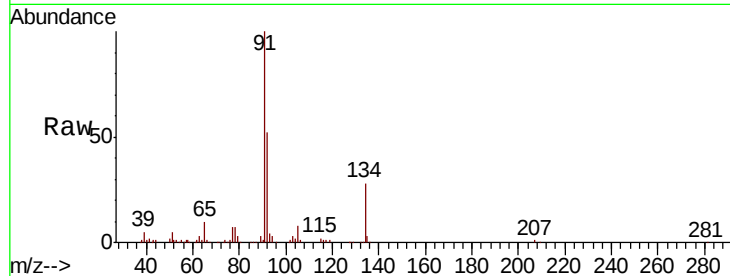
Tot Ion: 91 Resp: 63988

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.3

134 29.1 14.4 43.0



#90

Hexachloroethane

Concen: 4.645 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VY002623.D

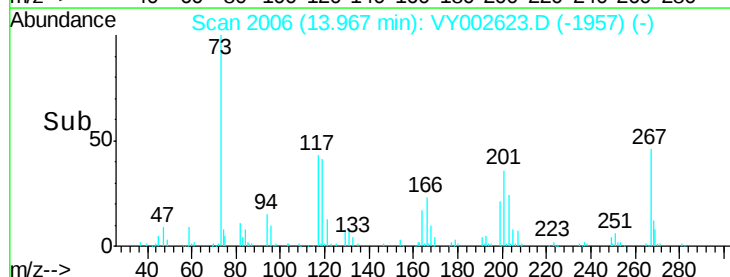
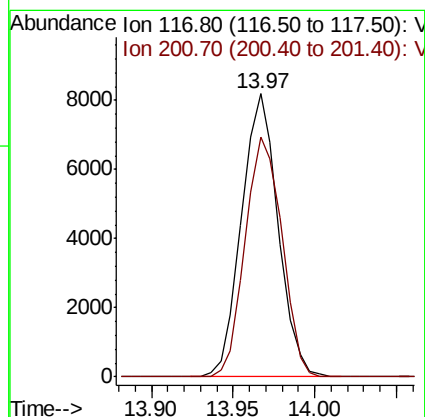
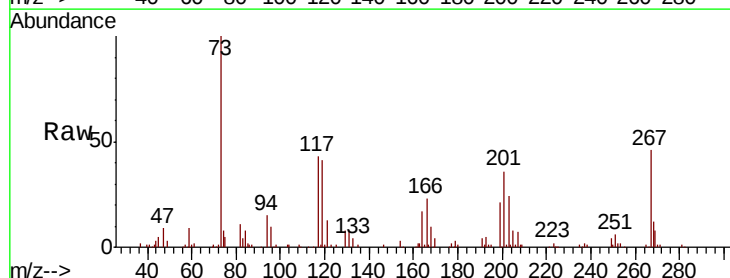
Acq: 07 May 2020 12:08

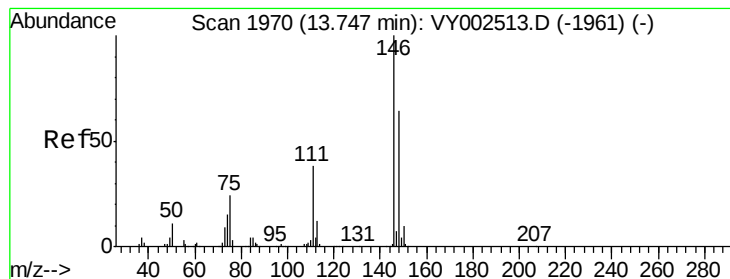
Tgt Ion: 117 Resp: 12818

Ion Ratio Lower Upper

117 100

201 85.1 44.4 133.2





#91

1,2-Dichlorobenzene

Concen: 4.483 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

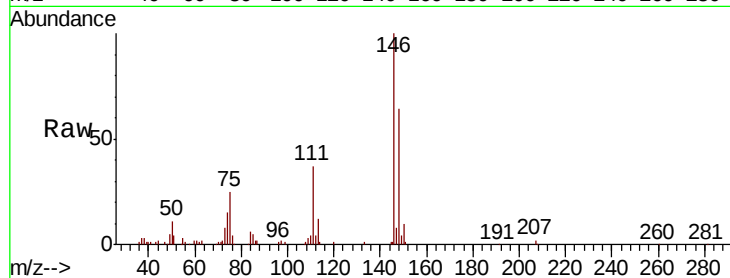
Tot Ion:146 Resp: 30328

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.5

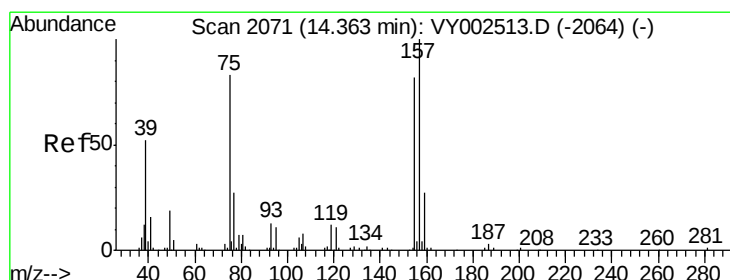
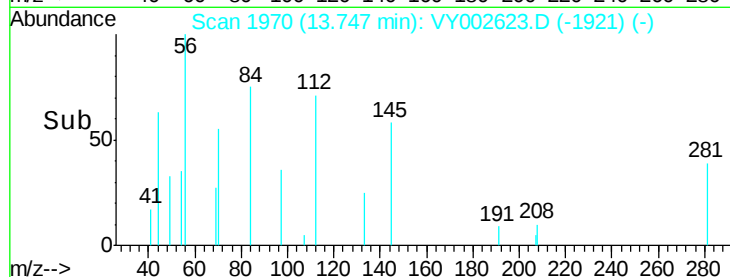
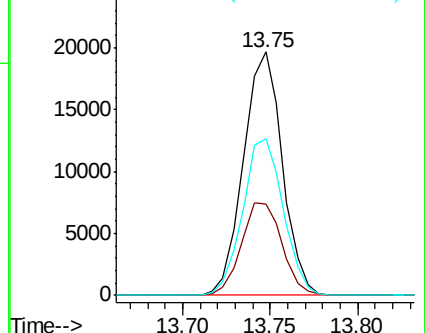
148 67.3 31.9 95.7



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: 4.075 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

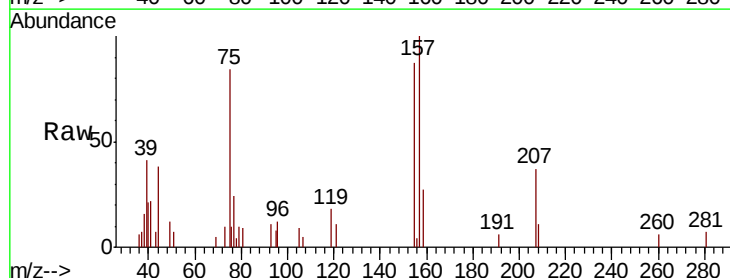
Tgt Ion: 75 Resp: 1937

Ion Ratio Lower Upper

75 100

155 101.8 51.3 153.9

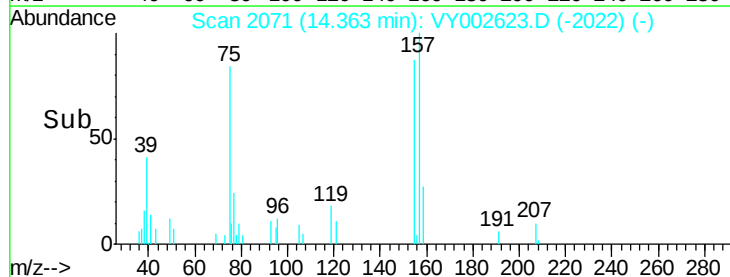
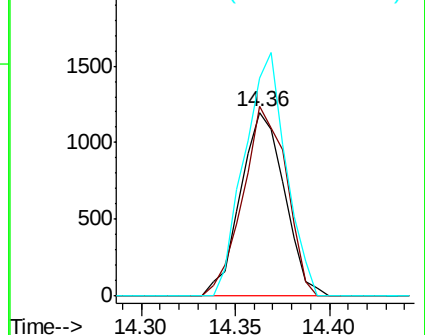
157 125.2 65.0 195.0

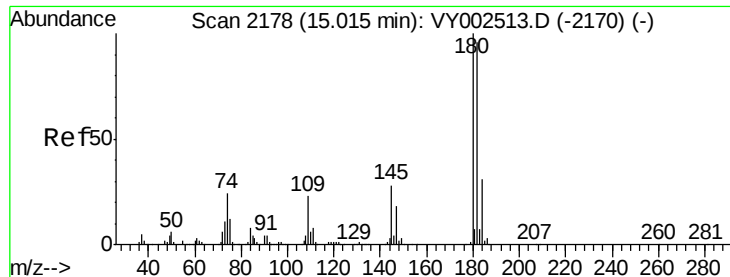


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

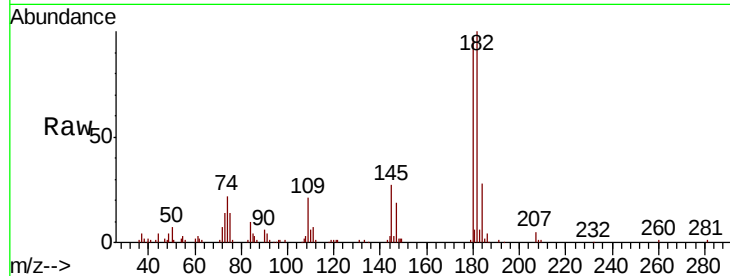




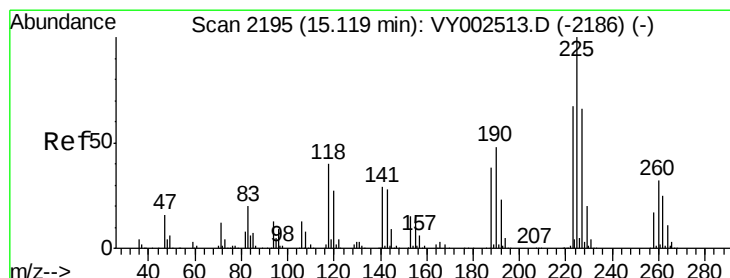
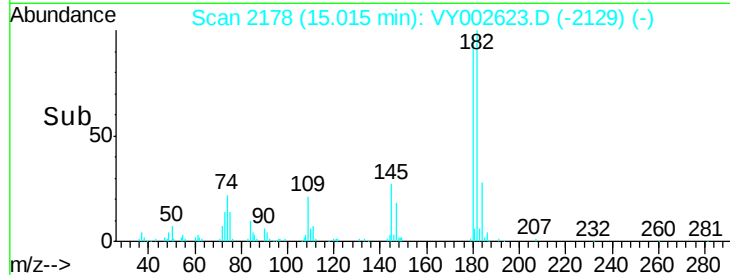
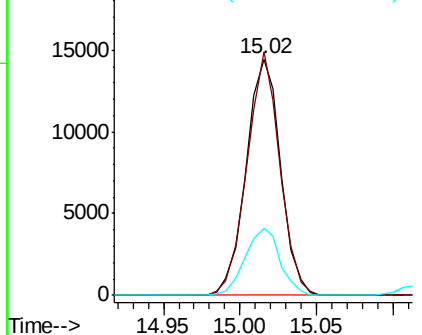
#93
 1,2,4-Trichlorobenzene
 Concen: 4.595 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.6
145	28.6	14.4	43.0

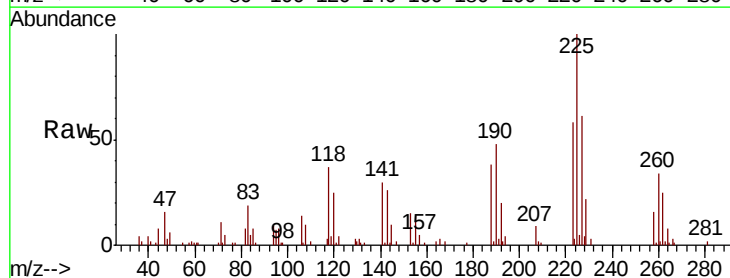


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

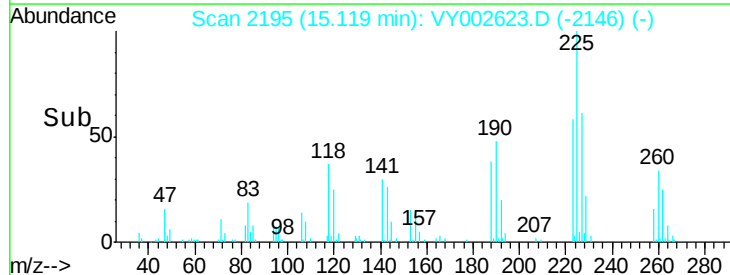
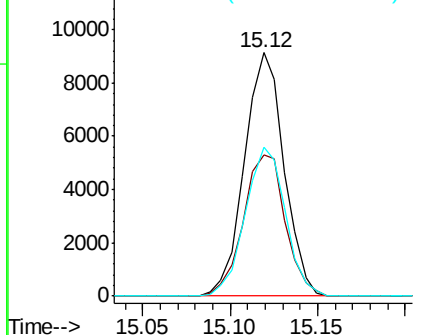


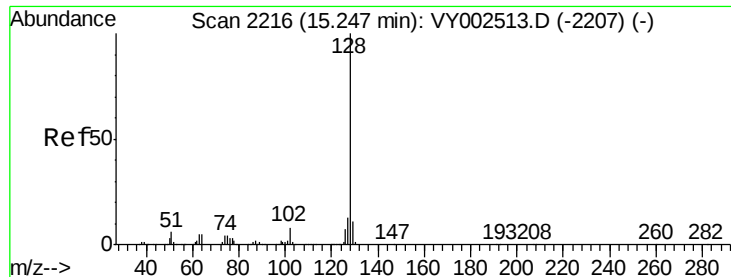
#94
 Hexachlorobutadiene
 Concen: 4.895 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002623.D
 Acq: 07 May 2020 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.1	96.5
227	62.2	32.0	96.2



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





#95

Naphthalene

Concen: 4.259 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2020DL

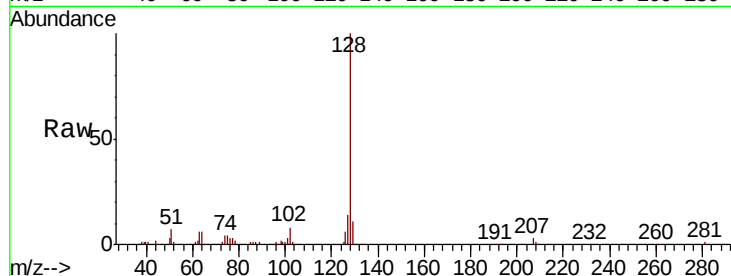
Tot Ion:128 Resp: 38157

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

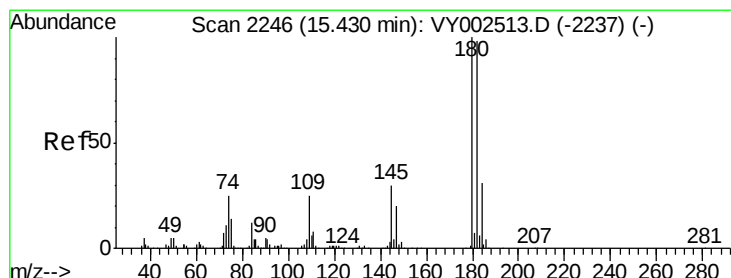
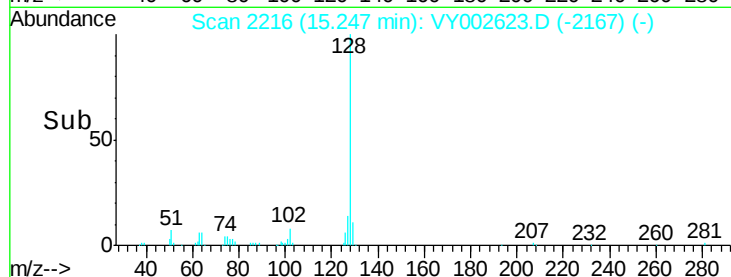
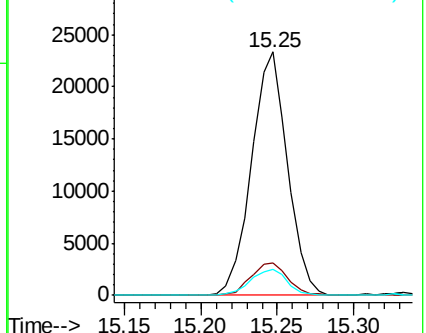
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.646 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002623.D

Acq: 07 May 2020 12:08

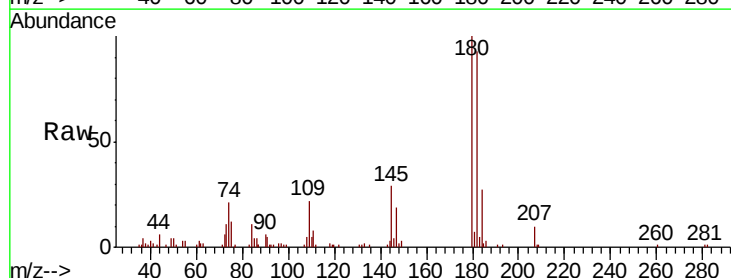
Tgt Ion:180 Resp: 19372

Ion Ratio Lower Upper

180 100

182 97.7 47.9 143.8

145 30.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

