

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003550.D
 Acq On : 19 Nov 2020 16:12
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Quant Time: Nov 20 01:45:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	232191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	97160	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	54994	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
7) Chloroethane-d5	2.77	69	51579	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.88%
10) 1,1-Dichloroethene-d2	3.86	63	105459	16.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.68%
20) 2-Butanone-d5	6.91	46	64376	49.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.78%
24) Chloroform-d	7.49	84	140946	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	8.15	65	81309	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.11	84	295204	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	9.13	67	88394	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.18	98	260318	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.44	79	43890	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.12%
39) 2-Hexanone-d5	10.79	63	46273	50.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72221	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.36%
61) 1,2-Dichlorobenzene-d4	13.72	152	76924	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.12	50	3388	1.308	ug/L	87
5) Vinyl chloride	2.26	62	4088	1.321	ug/L #	56
6) Bromomethane	2.66	94	2998	1.248	ug/L	100
8) Chloroethane	2.82	64	2569	1.223	ug/L	91
9) Trichlorofluoromethane	3.13	101	3178	1.072	ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	1281	0.417	ug/L #	30
12) 1,1-Dichloroethene	3.88	96	5174	1.609	ug/L #	1
13) Acetone	3.98	43	2855	3.082	ug/L	59
14) Carbon disulfide	4.20	76	13192	1.238	ug/L #	95
15) Methyl Acetate	4.49	43	3119	1.326	ug/L #	85
16) Methylene chloride	4.72	84	12011	3.017	ug/L	94
17) Methyl tert-butyl Ether	5.22	73	3944	0.785	ug/L #	79
18) trans-1,2-Dichloroethene	5.22	96	4334	1.279	ug/L	92
19) 1,1-Dichloroethane	6.03	63	6858	1.198	ug/L	93
22) cis-1,2-Dichloroethene	6.99	96	4641	1.333	ug/L	94
23) Bromochloromethane	7.34	128	2124	1.260	ug/L	78
27) 1,2-Dichloroethane	8.25	62	5185	1.349	ug/L	95

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

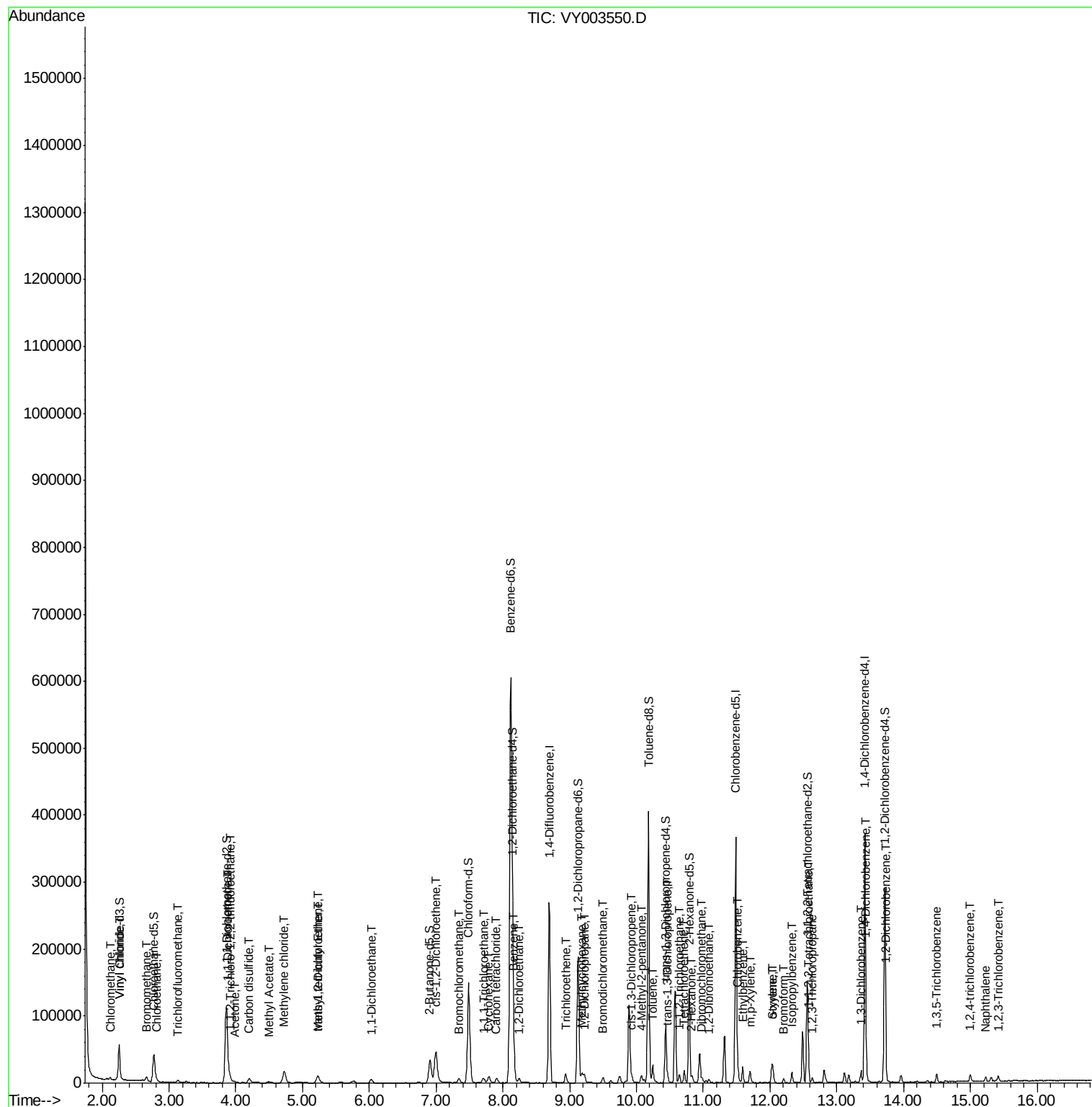
30) Cyclohexane	7.79	56	5739	1.148	ug/L #	90
31) 1,1,1-Trichloroethane	7.71	97	4757	1.063	ug/L	91
32) Carbon tetrachloride	7.91	117	5083	1.195	ug/L	97
34) Benzene	8.17	78	16506	1.272	ug/L	100
35) Trichloroethene	8.94	95	4147	1.262	ug/L	98
36) Methylcyclohexane	9.18	83	5543	1.079	ug/L	89
40) 1,2-Dichloropropane	9.22	63	3894	1.217	ug/L	99
41) Bromodichloromethane	9.50	83	5053	1.238	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6096	1.208	ug/L	86
43) 4-Methyl-2-pentanone	10.08	43	8683	3.244	ug/L	98
44) Toluene	10.25	91	16851	1.232	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	8350	1.797	ug/L	94
46) 1,1,2-Trichloroethane	10.65	97	3378	1.322	ug/L	89
47) Tetrachloroethene	10.72	164	3425	1.199	ug/L	88
49) 2-Hexanone	10.83	43	5088	2.407	ug/L	92
50) Dibromochloromethane	10.98	129	3957	1.284	ug/L	85
51) 1,2-Dibromoethane	11.09	107	3283	1.289	ug/L #	94
52) Chlorobenzene	11.52	112	10819	1.239	ug/L	95
53) Ethylbenzene	11.59	91	16150	1.150	ug/L	98
54) m,p-Xylene	11.70	106	6116	1.131	ug/L	90
55) o-xylene	12.03	106	4725	1.047	ug/L	95
56) Styrene	12.04	104	9341	1.057	ug/L	99
57) Isopropylbenzene	12.33	105	10345	1.013	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.58	83	3981	1.320	ug/L #	83
59) 1,2,3-Trichloropropane	12.63	75	2937	1.251	ug/L	95
62) Bromoform	12.20	173	2473	1.254	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	7434	1.212	ug/L	95
64) 1,4-Dichlorobenzene	13.44	146	8480	1.343	ug/L	93
65) 1,2-Dichlorobenzene	13.74	146	6313	1.250	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	3690	1.134	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	3391	1.210	ug/L	96
69) Naphthalene	15.23	128	5719	1.157	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	2563	1.210	ug/L	99

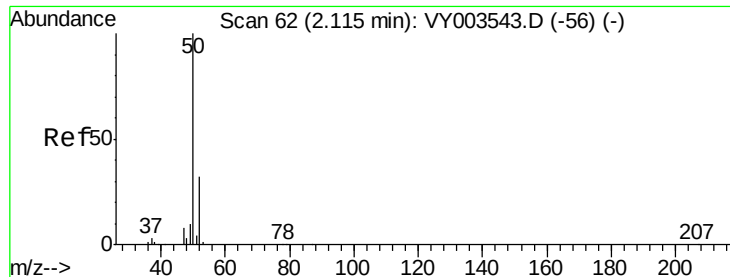
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.308 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

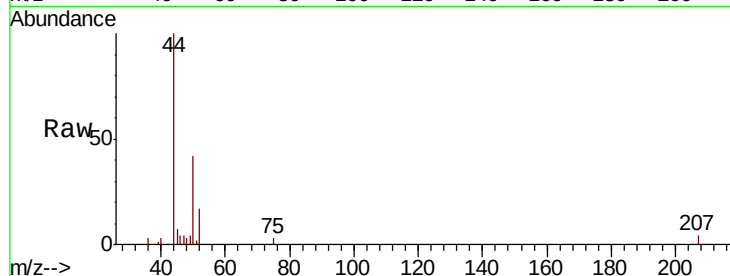
MDL03

Tot Ion: 50 Resp: 3388

Ion Ratio Lower Upper

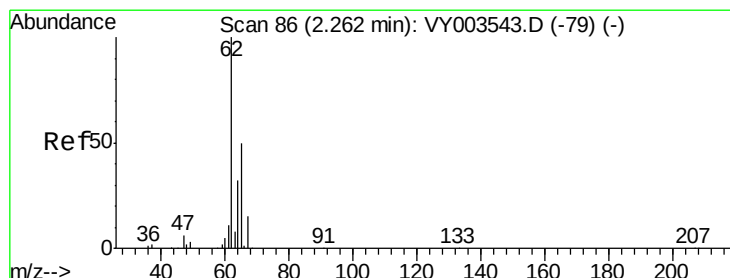
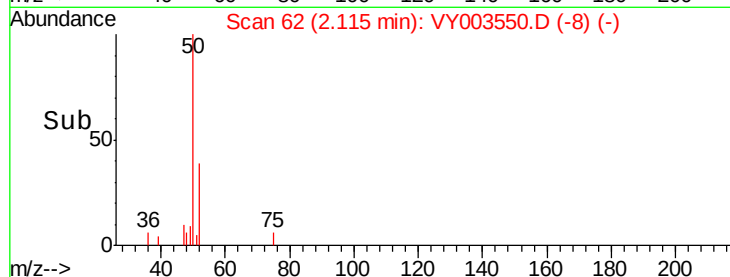
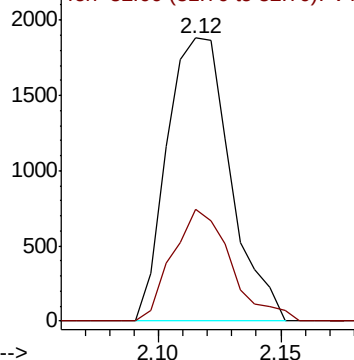
50 100

52 39.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#5

Vinyl chloride

Concen: 1.321 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003550.D

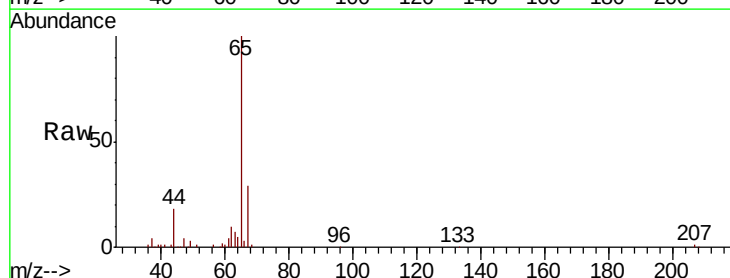
Acq: 19 Nov 2020 16:12

Tgt Ion: 62 Resp: 4088

Ion Ratio Lower Upper

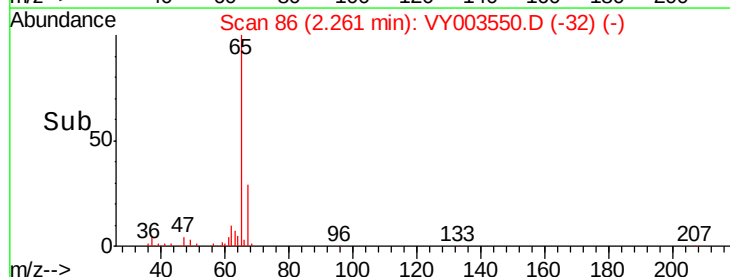
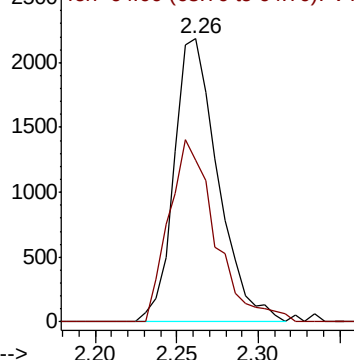
62 100

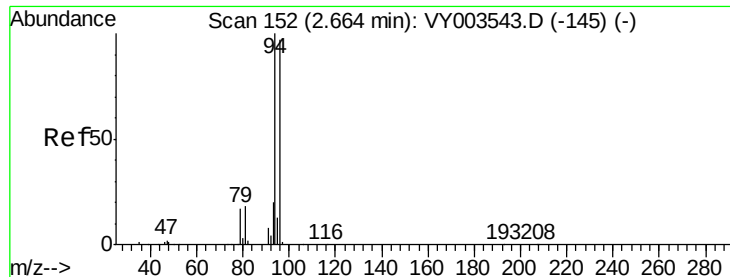
64 57.1 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0





#6

Bromomethane

Concen: 1.248 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

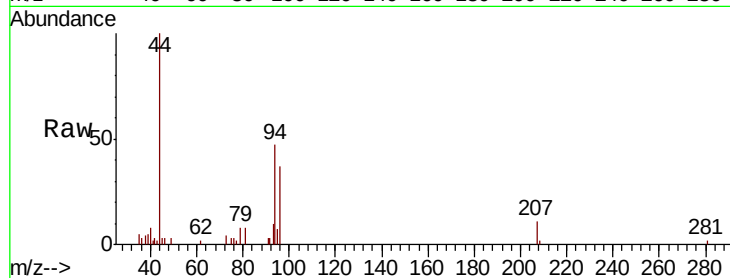
MDL03

Tot Ion: 94 Resp: 2998

Ion Ratio Lower Upper

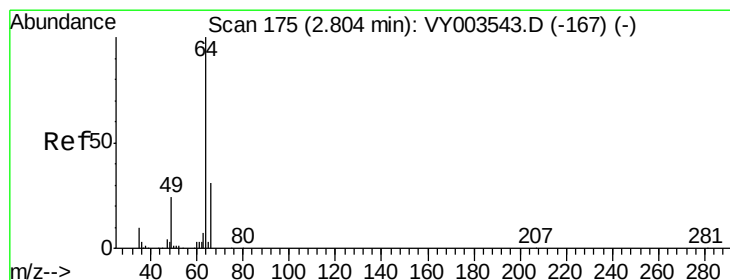
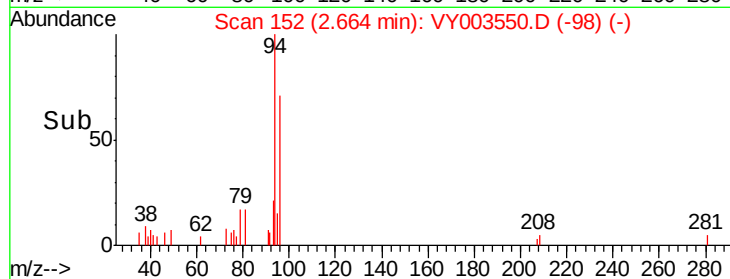
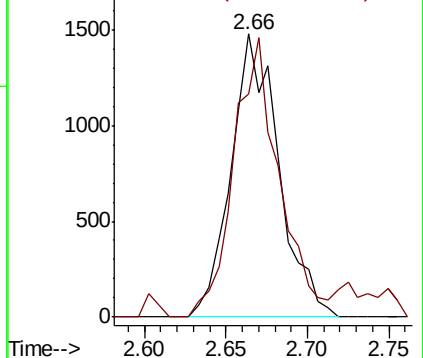
94 100

96 94.1 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#8

Chloroethane

Concen: 1.223 ug/L

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY003550.D

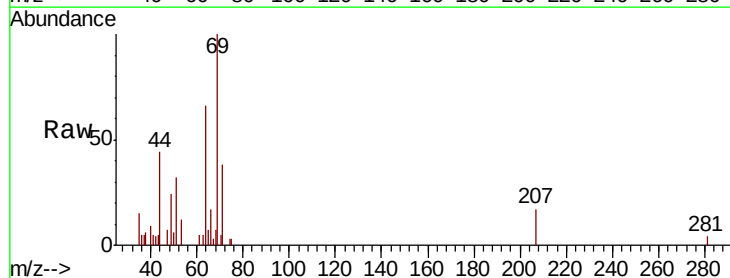
Acq: 19 Nov 2020 16:12

Tgt Ion: 64 Resp: 2569

Ion Ratio Lower Upper

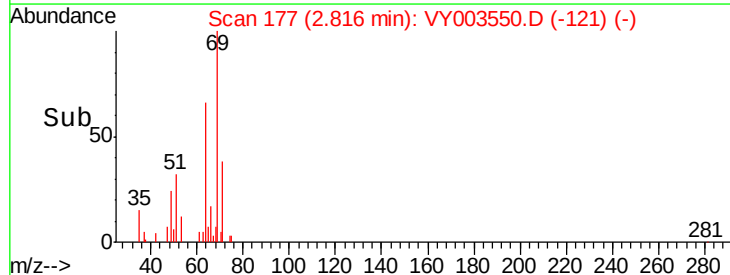
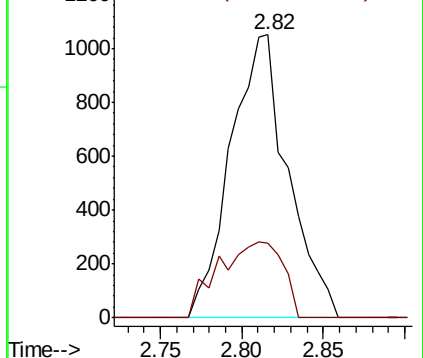
64 100

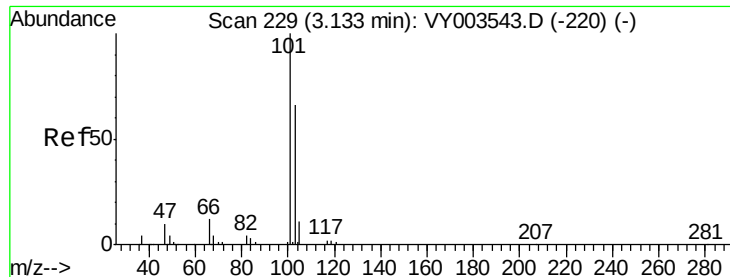
66 26.4 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0





#9

Trichlorofluoromethane

Concen: 1.072 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

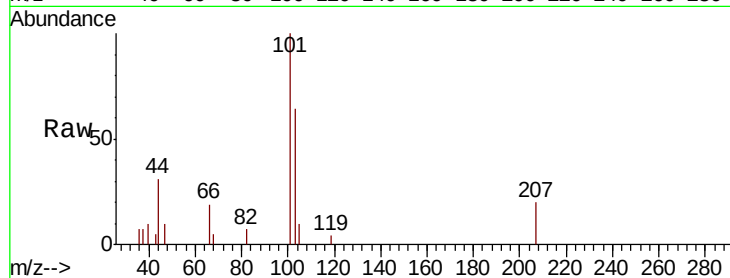
MDL03

Tot Ion:101 Resp: 3178

Ion Ratio Lower Upper

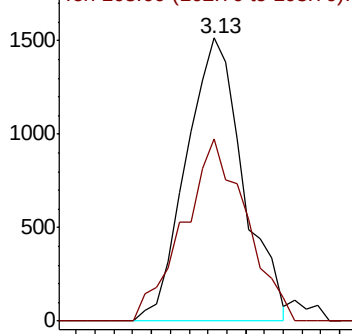
101 100

103 70.5 45.6 84.6

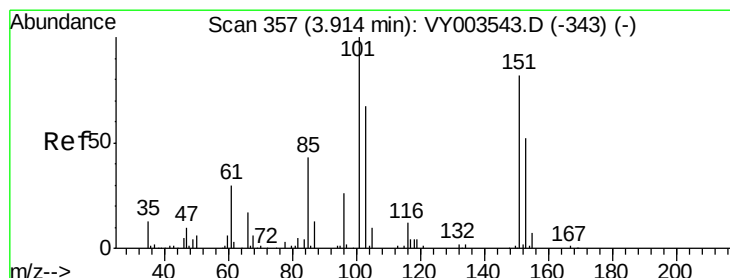
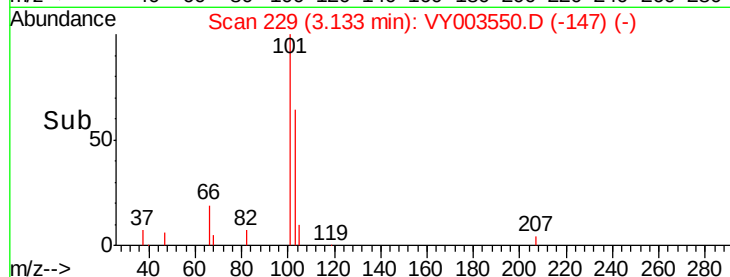


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.417 ug/L

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

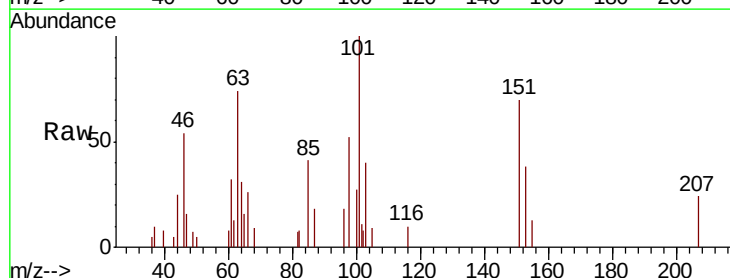
Tgt Ion:101 Resp: 1281

Ion Ratio Lower Upper

101 100

85 24.8 35.0 52.4#

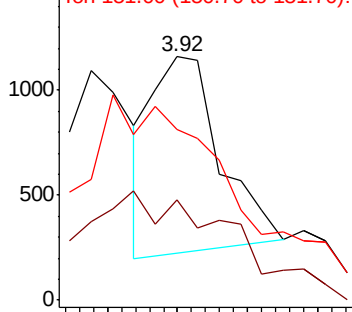
151 0.0 65.4 98.0#



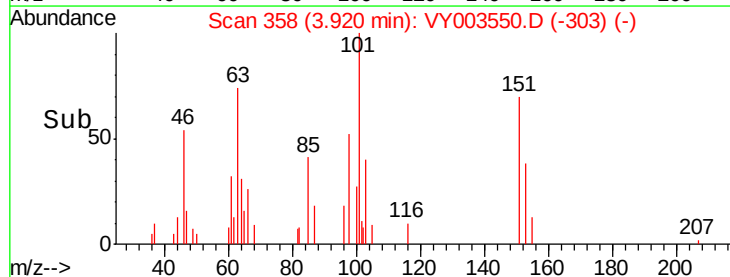
Abundance Ion 101.00 (100.70 to 101.70): V

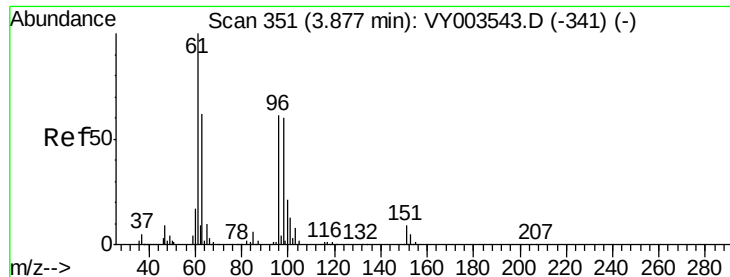
Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V



Time-->





#12

1,1-Dichloroethene

Concen: 1.609 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

MDL03

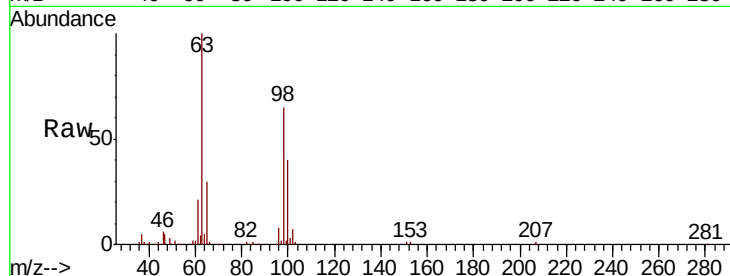
Tot Ion: 96 Resp: 5174

Ion Ratio Lower Upper

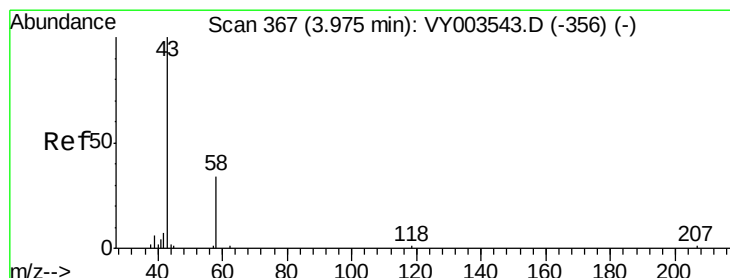
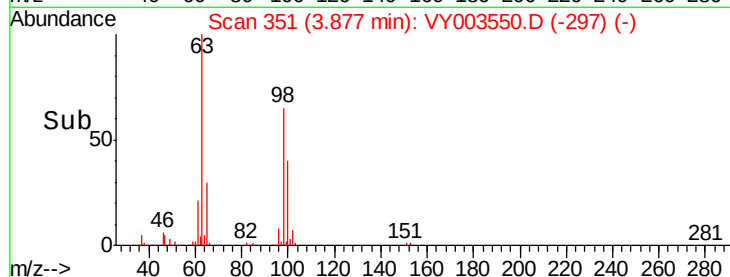
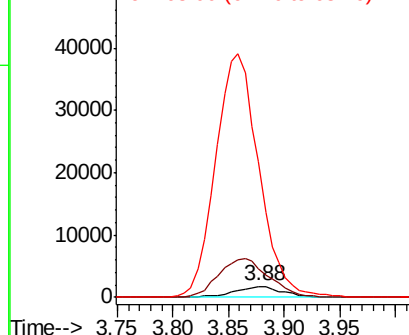
96 100

61 250.7 116.6 216.6#

63 1209.6 77.5 143.9#



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 3.082 ug/L

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003550.D

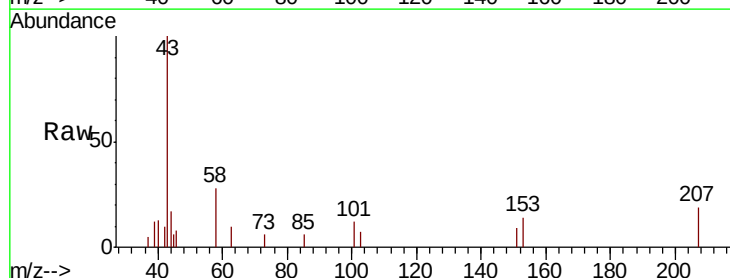
Acq: 19 Nov 2020 16:12

Tgt Ion: 43 Resp: 2855

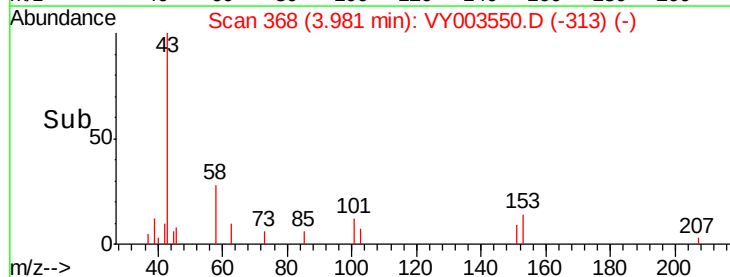
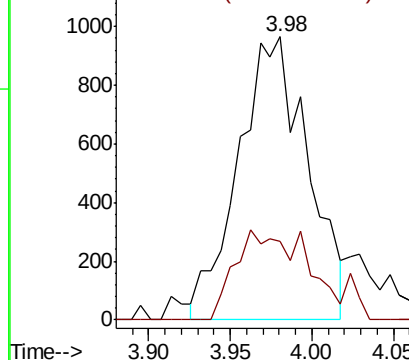
Ion Ratio Lower Upper

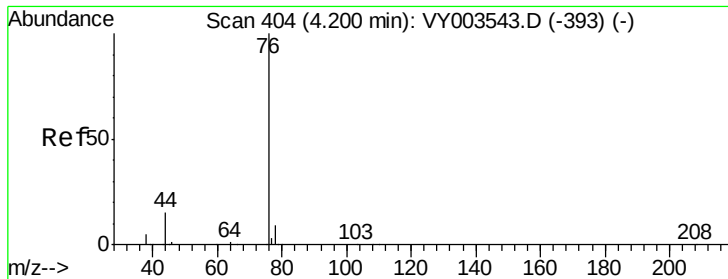
43 100

58 9.7 0.0 66.2



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

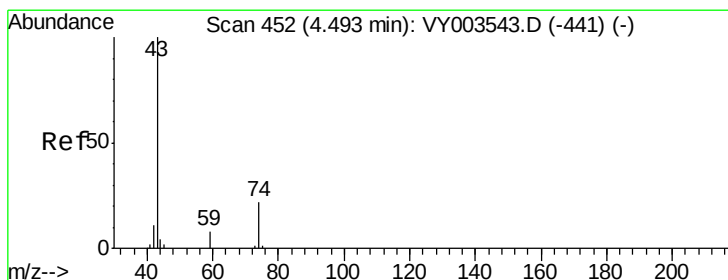
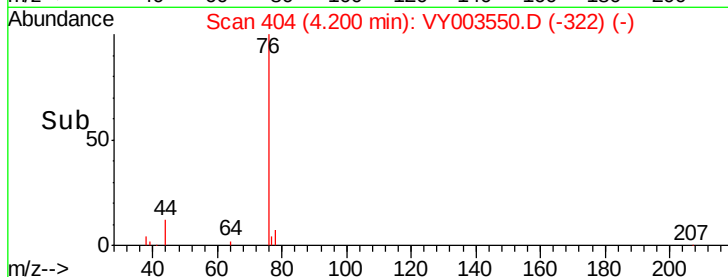
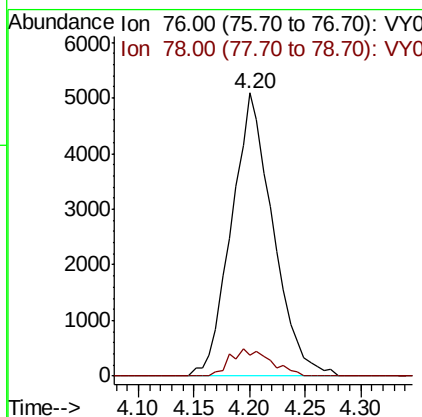
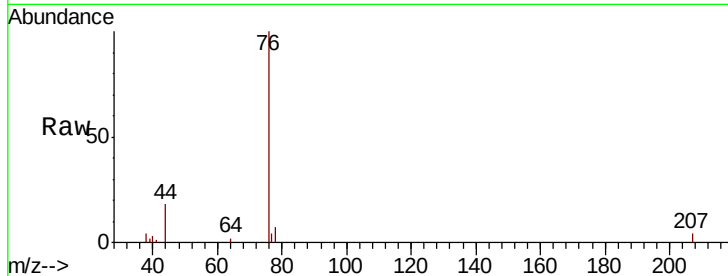




#14
Carbon disulfide
Concen: 1.238 ug/L
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

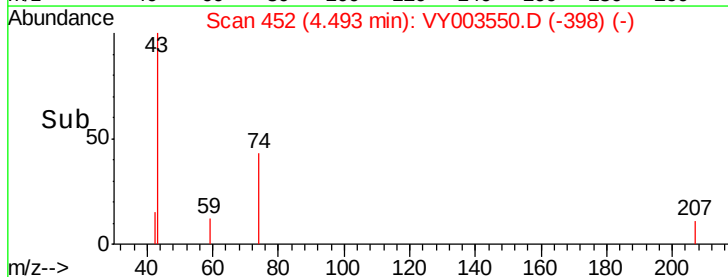
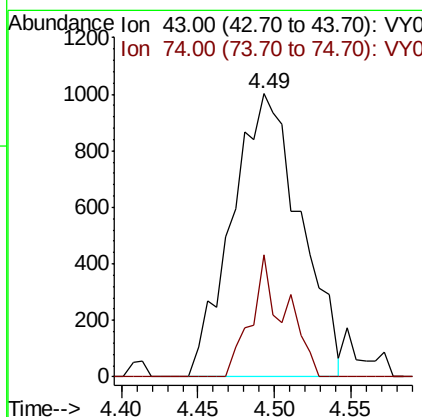
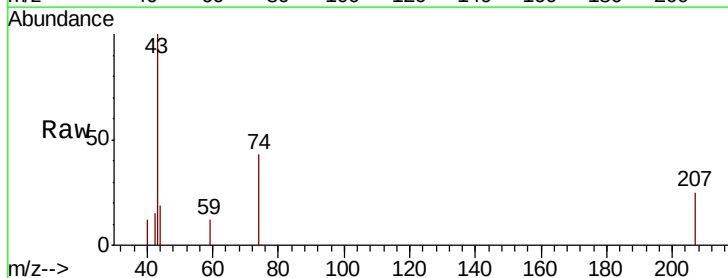
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ClientSampleId :
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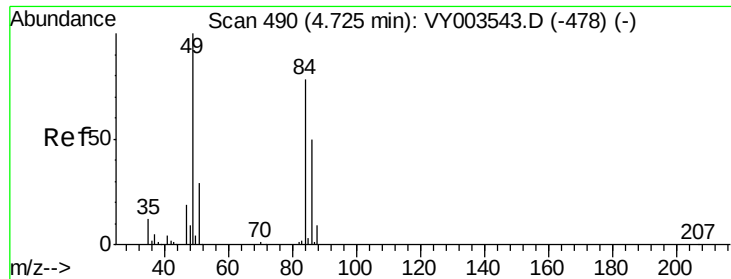
Tot Ion: 76 Resp: 13192
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#



#15
Methyl Acetate
Concen: 1.326 ug/L
RT: 4.49 min Scan# 452
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 43 Resp: 3119
Ion Ratio Lower Upper
43 100
74 15.4 18.2 27.2#

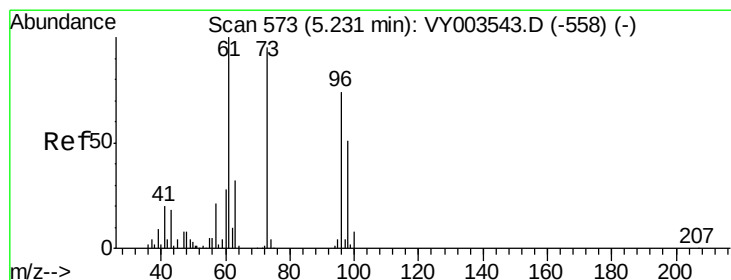
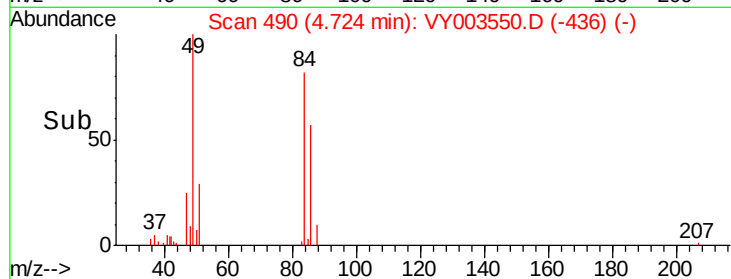
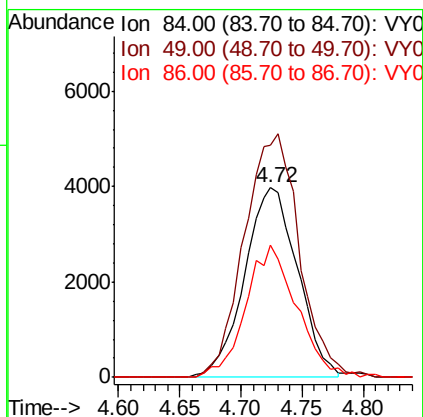
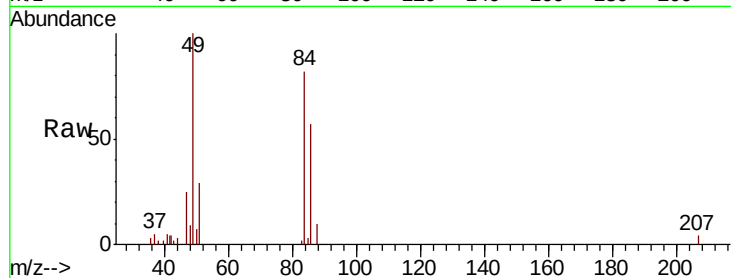




#16
Methylene chloride
Concen: 3.017 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

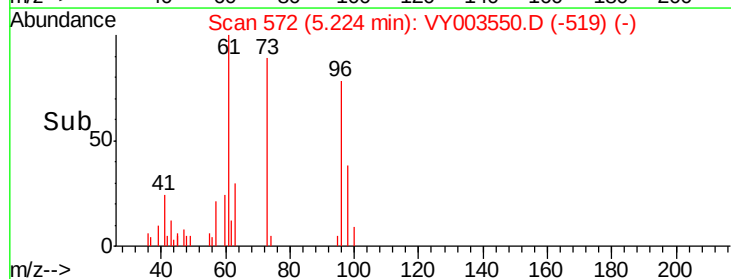
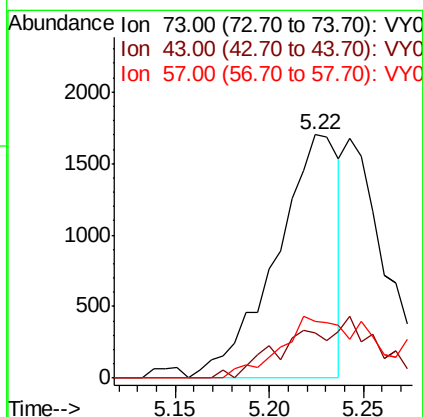
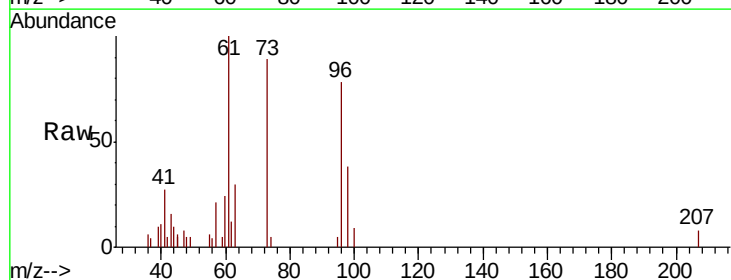
Instrument :
MSVOA_Y
ClientSampled :
MDL03

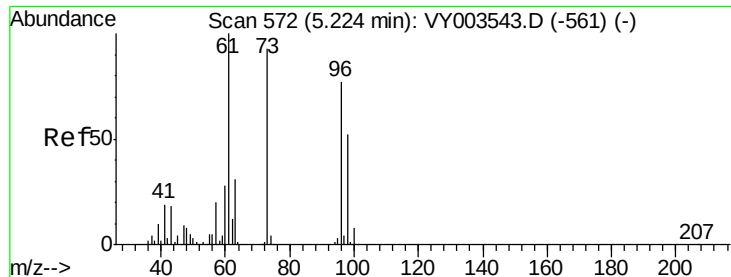
Tot Ion: 84 Resp: 12011
Ion Ratio Lower Upper
84 100
49 122.6 90.3 167.7
86 69.6 44.7 83.1



#17
Methyl tert-butyl Ether
Concen: 0.785 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 73 Resp: 3944
Ion Ratio Lower Upper
73 100
43 11.1 15.9 23.9#
57 23.0 10.5 15.7#

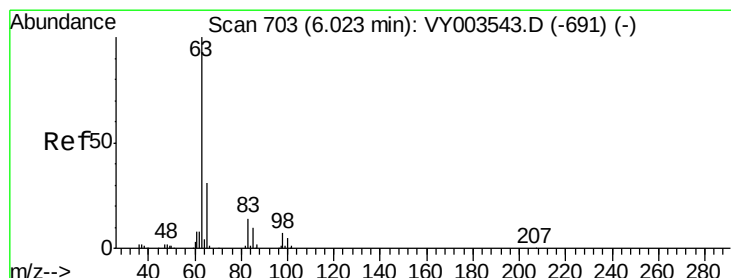
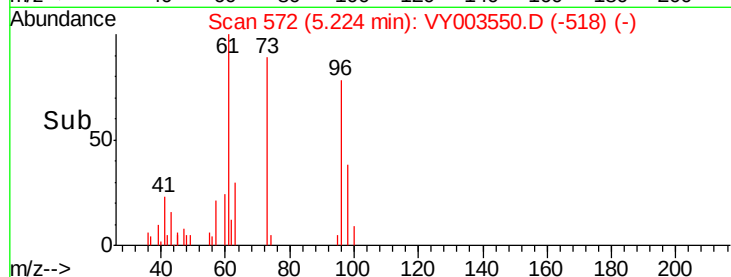
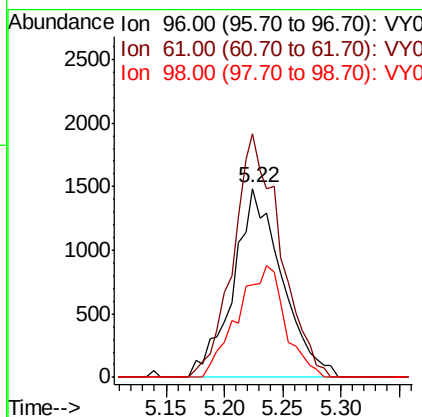
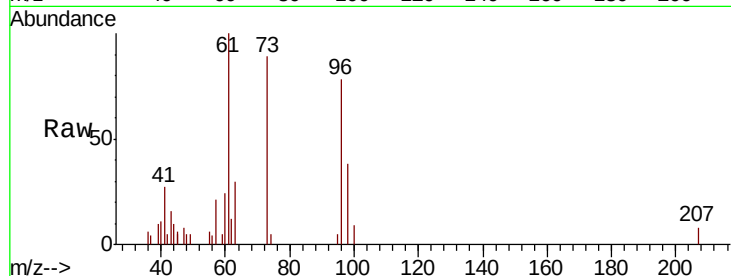




#18
trans-1,2-Dichloroethene
Concen: 1.279 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

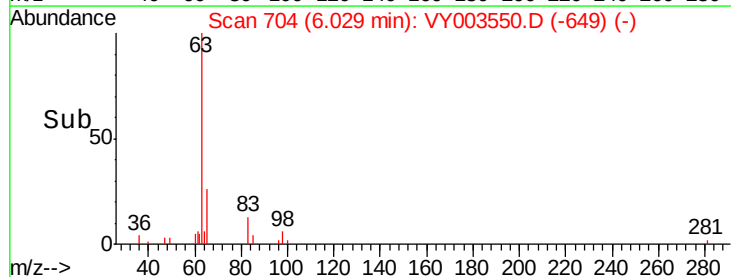
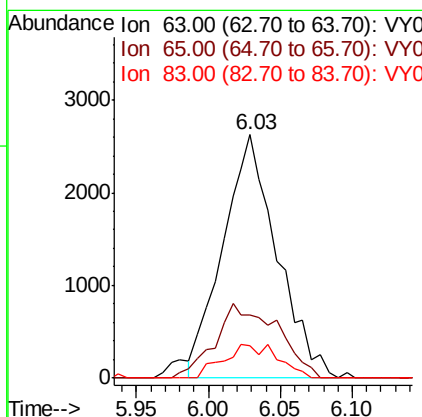
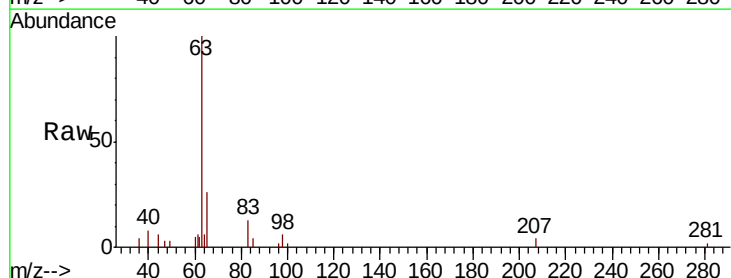
Instrument :
MSVOA_Y
ClientSampled :
MDL03

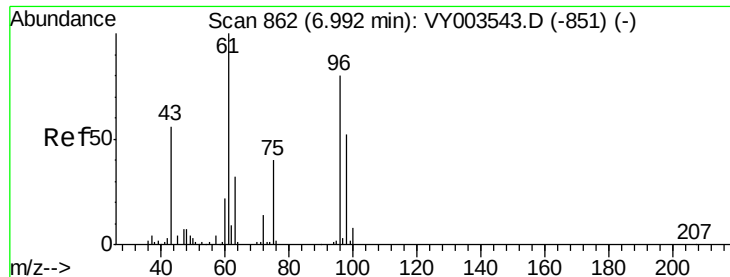
Tot Ion: 96 Resp: 4334
Ion Ratio Lower Upper
96 100
61 128.9 90.8 168.6
98 49.2 46.8 87.0



#19
1,1-Dichloroethane
Concen: 1.198 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 63 Resp: 6858
Ion Ratio Lower Upper
63 100
65 26.0 22.0 40.8
83 13.2 9.9 18.5



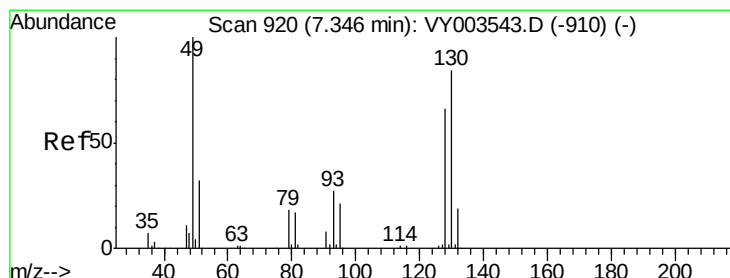
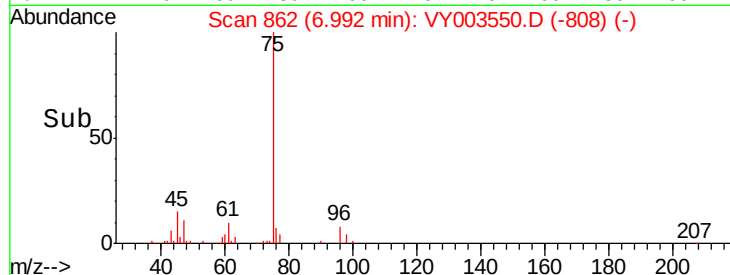
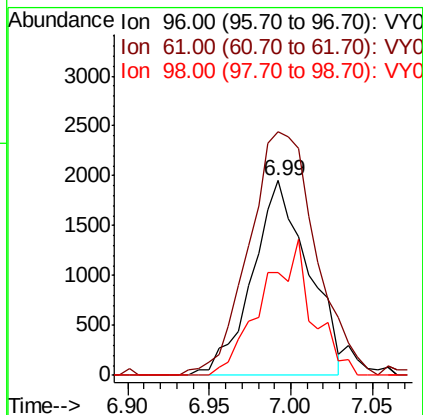
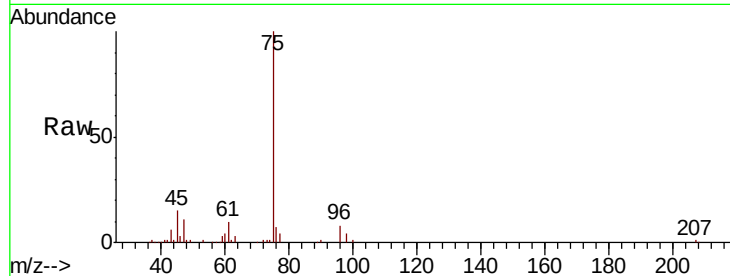


#22

cis-1,2-Dichloroethene
Concen: 1.333 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampled :
MDL03

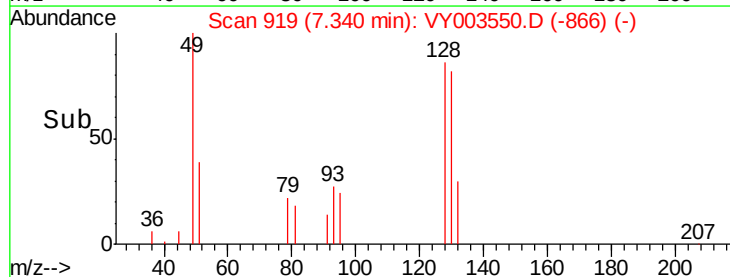
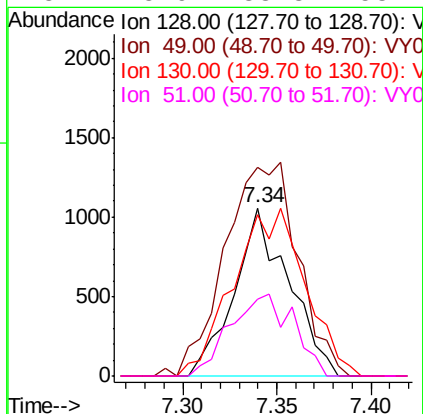
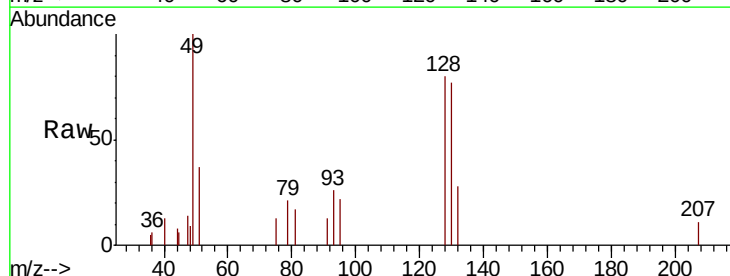
Tot Ion: 96 Resp: 4641
Ion Ratio Lower Upper
96 100
61 125.2 88.1 163.5
98 52.7 45.6 84.6

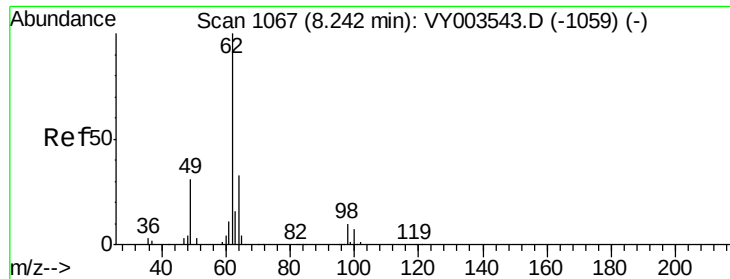


#23

Bromochloromethane
Concen: 1.260 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 128 Resp: 2124
Ion Ratio Lower Upper
128 100
49 124.2 107.3 199.3
130 95.9 89.3 165.9
51 45.9 38.8 58.2

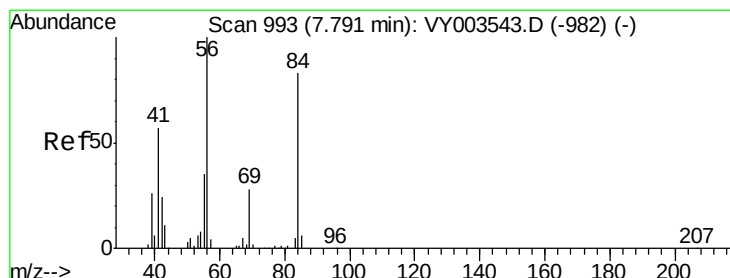
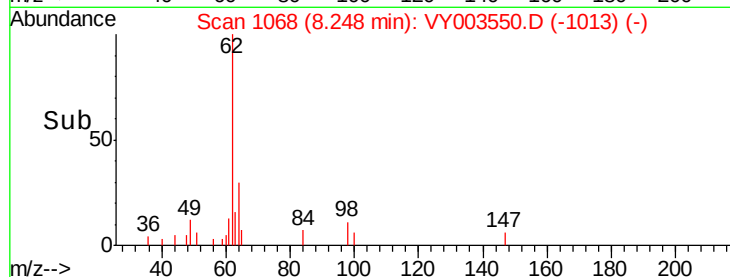
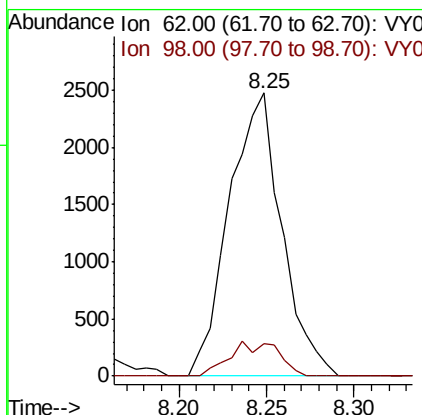
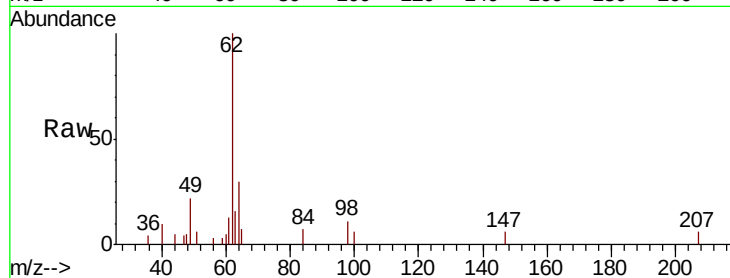




#27
 1,2-Dichloroethane
 Concen: 1.349 ug/L
 RT: 8.25 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

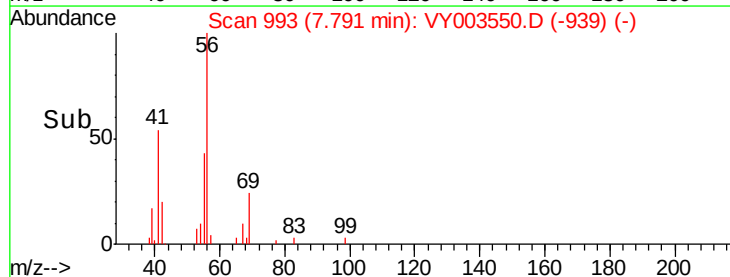
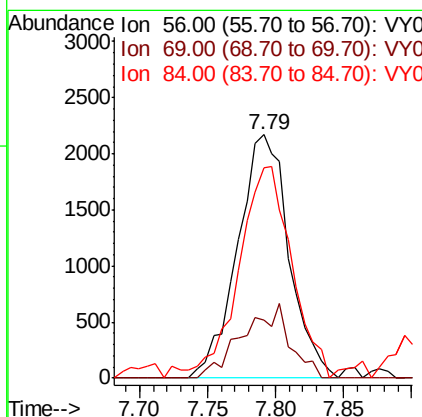
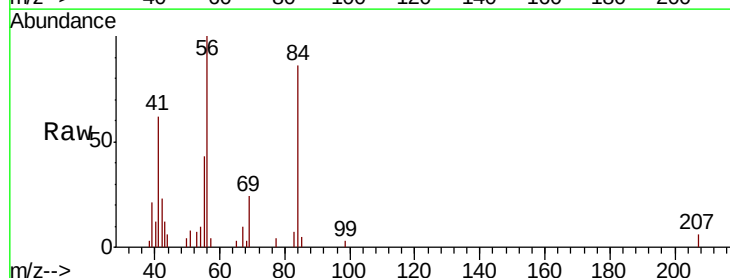
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

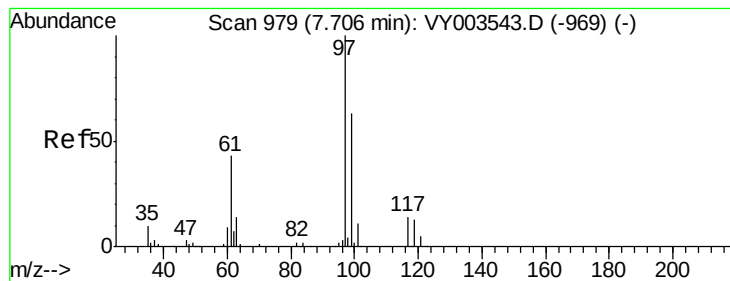
Tot Ion: 62 Resp: 5185
 Ion Ratio Lower Upper
 62 100
 98 11.3 7.7 11.5



#30
 Cyclohexane
 Concen: 1.148 ug/L
 RT: 7.79 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion: 56 Resp: 5739
 Ion Ratio Lower Upper
 56 100
 69 9.4 23.3 34.9#
 84 89.0 69.9 104.9





#31

1,1,1-Trichloroethane

Concen: 1.063 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

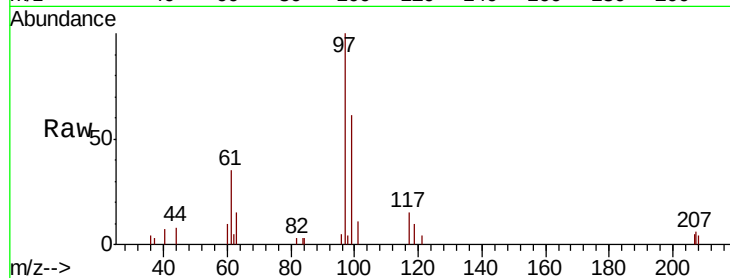
Tot Ion: 97 Resp: 4757

Ion Ratio Lower Upper

97 100

99 73.3 52.1 78.1

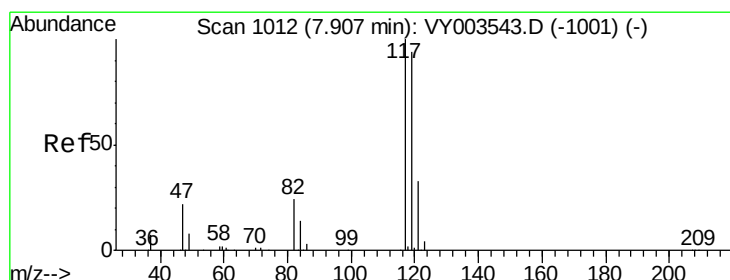
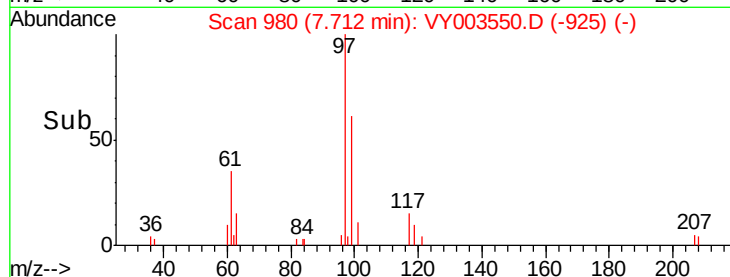
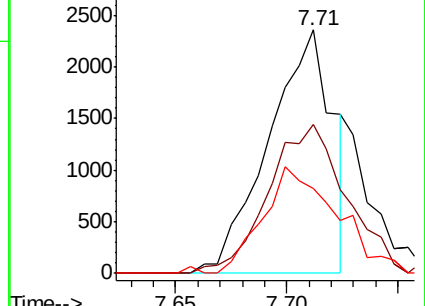
61 47.9 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VY003550.D (-925) (-)

Ion 99.00 (98.70 to 99.70): VY003550.D (-925) (-)

Ion 61.00 (60.70 to 61.70): VY003550.D (-925) (-)



#32

Carbon tetrachloride

Concen: 1.195 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003550.D

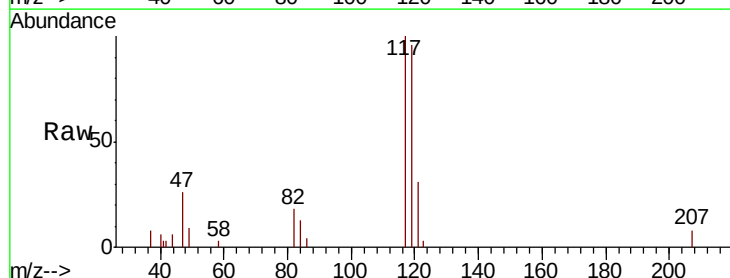
Acq: 19 Nov 2020 16:12

Tgt Ion: 117 Resp: 5083

Ion Ratio Lower Upper

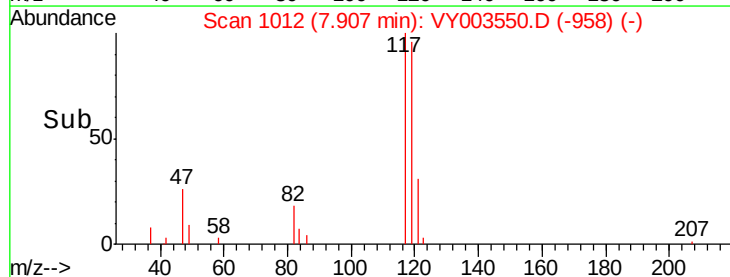
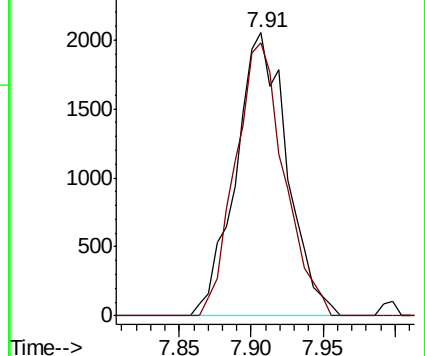
117 100

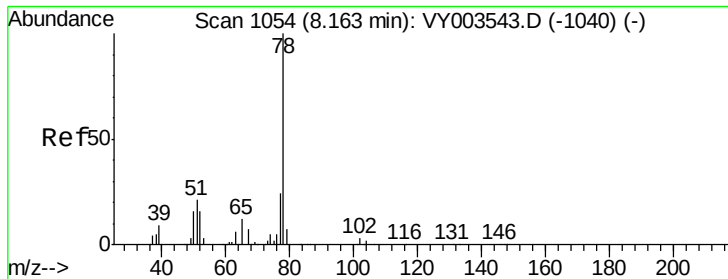
119 92.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): VY003550.D (-958) (-)

Ion 119.00 (118.70 to 119.70): VY003550.D (-958) (-)





#34

Benzene

Concen: 1.272 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

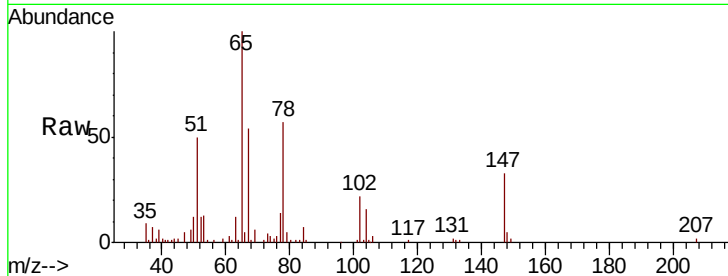
Instrument :

MSVOA_Y

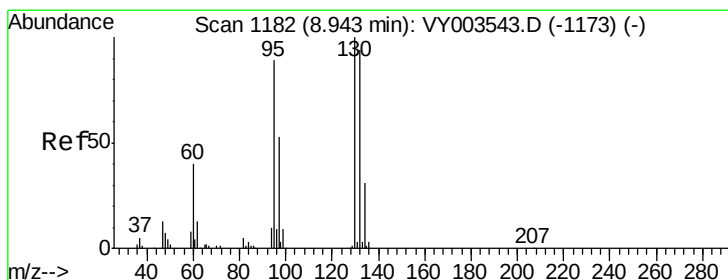
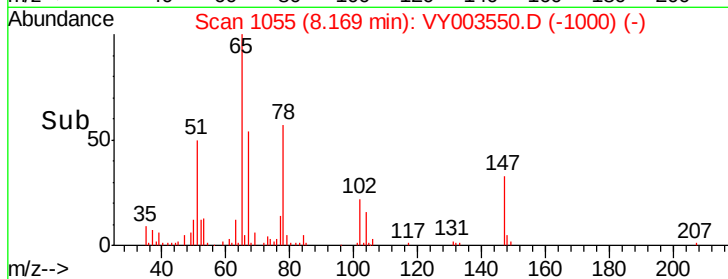
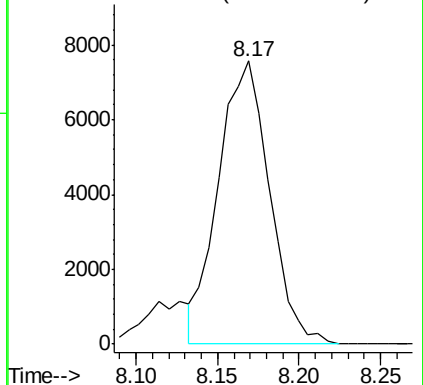
ClientSampleId :

MDL03

Tgt Ion: 78 Resp: 16506



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.262 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion: 95 Resp: 4147

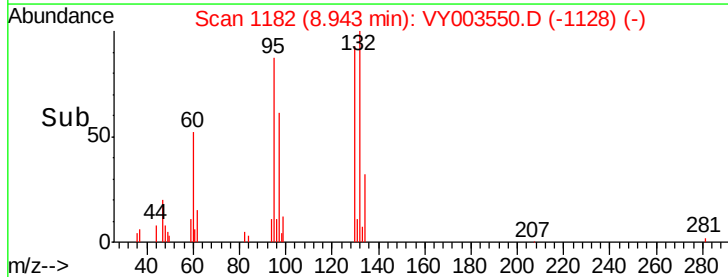
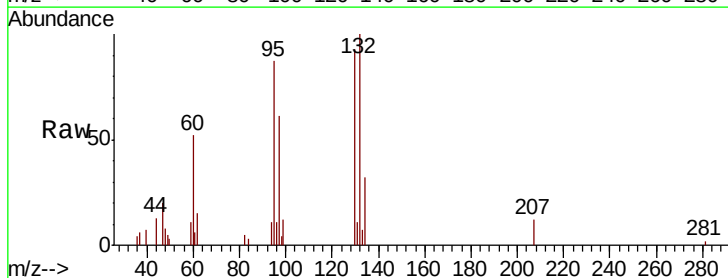
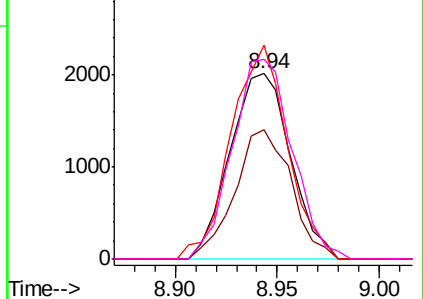
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.5	82.7
132	107.6	73.1	135.7
130	106.8	76.1	141.3

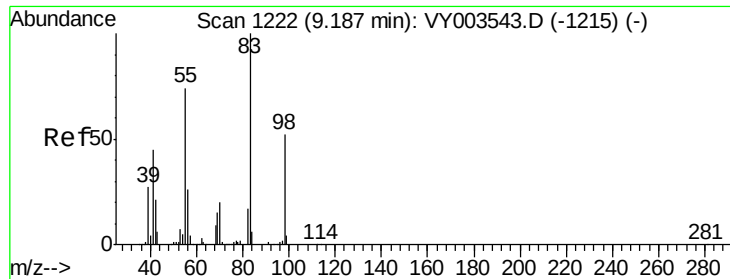
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

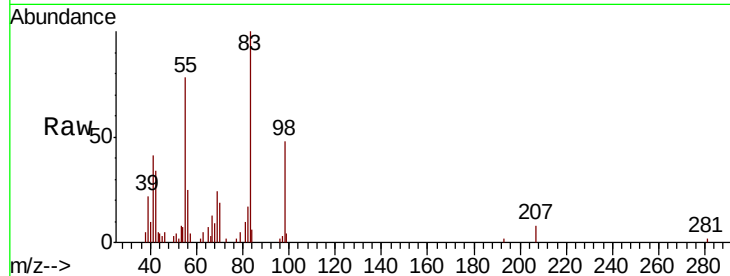




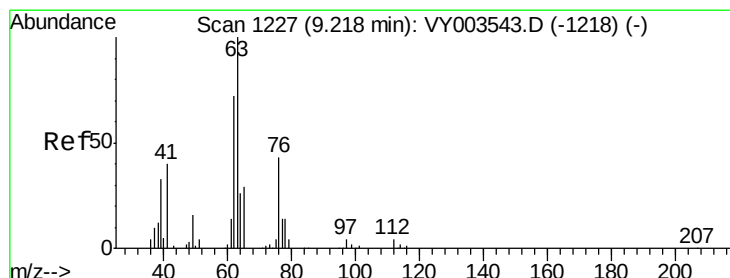
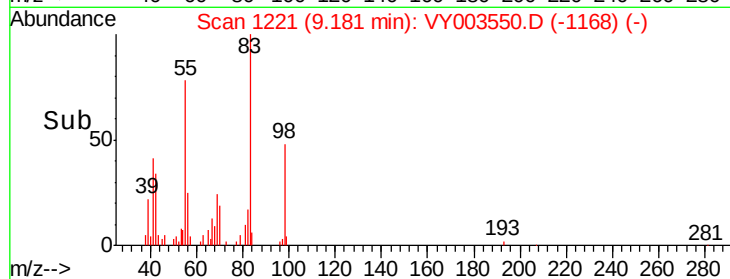
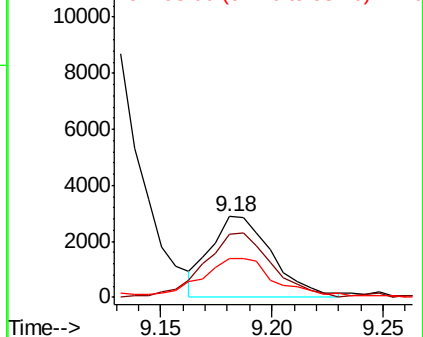
#36
Methylvlcyclohexane
Concen: 1.079 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 5543
Ion Ratio Lower Upper
83 100
55 86.8 60.8 91.2
98 57.4 40.6 61.0

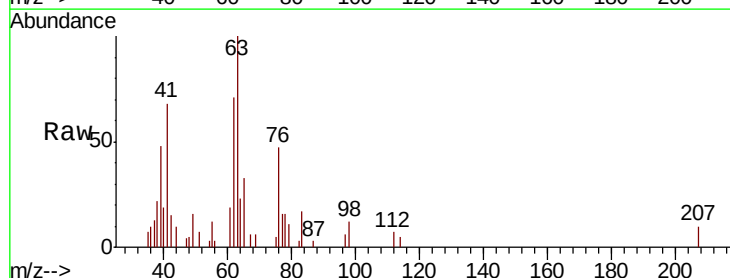


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

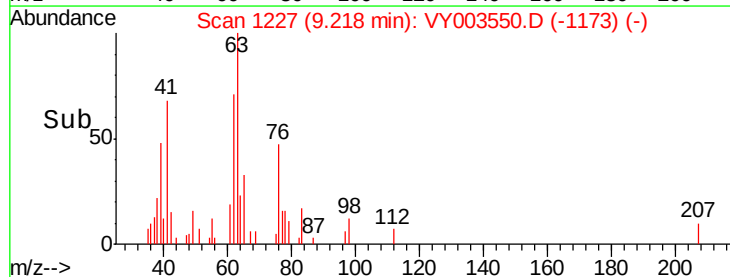
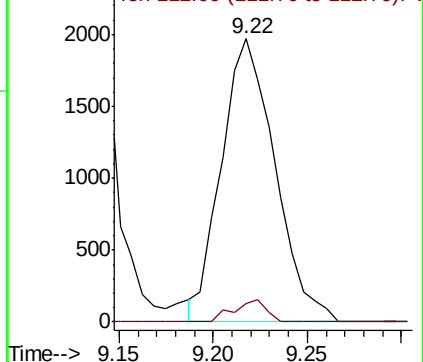


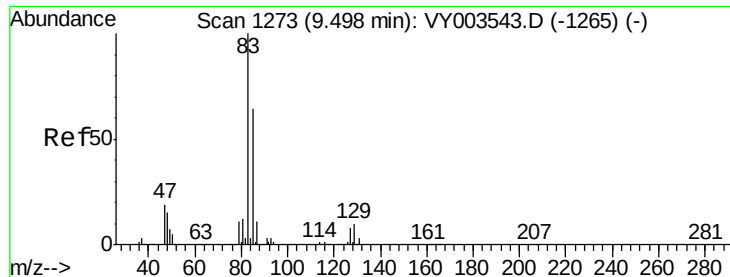
#40
1,2-Dichloropropane
Concen: 1.217 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 63 Resp: 3894
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 1.238 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

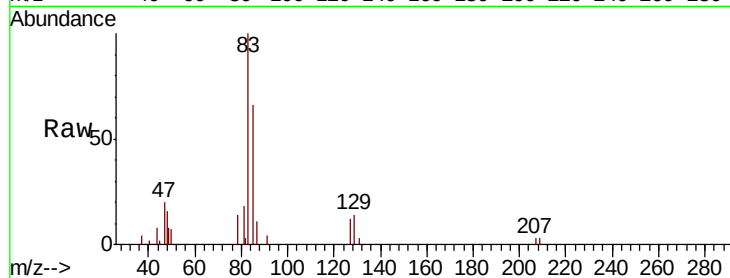
Tot Ion: 83 Resp: 5053

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.7

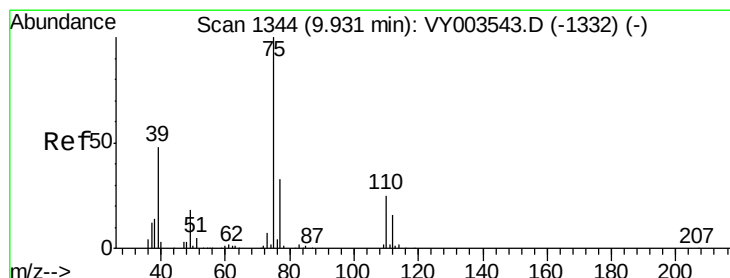
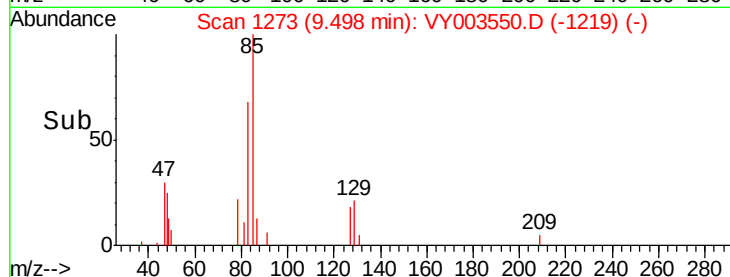
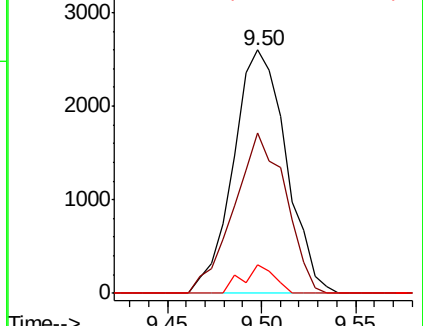
127 11.6 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VY003550.D (-1219) (-)

Ion 85.00 (84.70 to 85.70): VY003550.D (-1219) (-)

Ion 127.00 (126.70 to 127.70): VY003550.D (-1219) (-)



#42

cis-1,3-Dichloropropene

Concen: 1.208 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003550.D

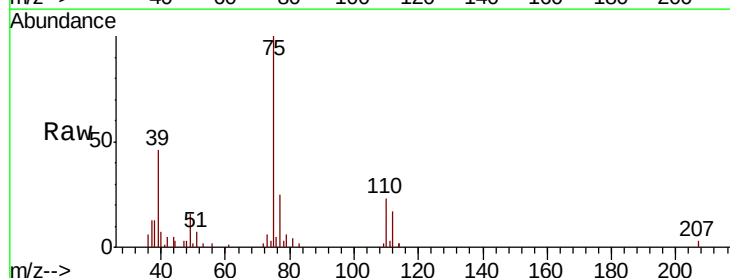
Acq: 19 Nov 2020 16:12

Tgt Ion: 75 Resp: 6096

Ion Ratio Lower Upper

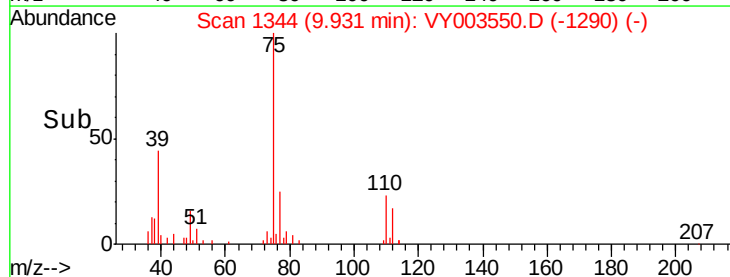
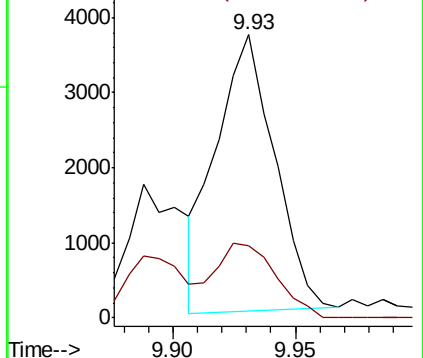
75 100

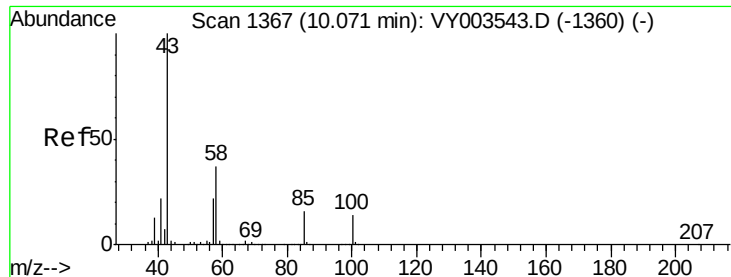
77 25.3 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY003550.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VY003550.D (-1290) (-)

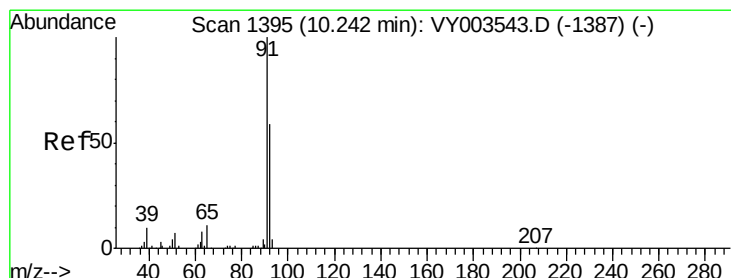
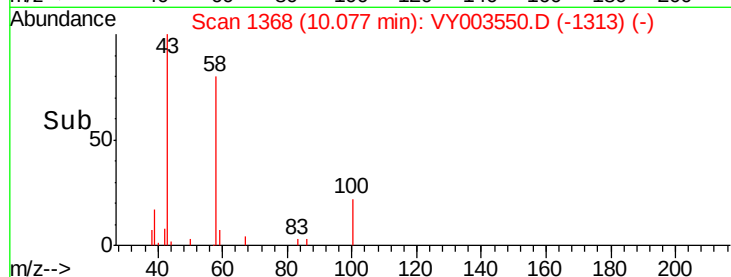
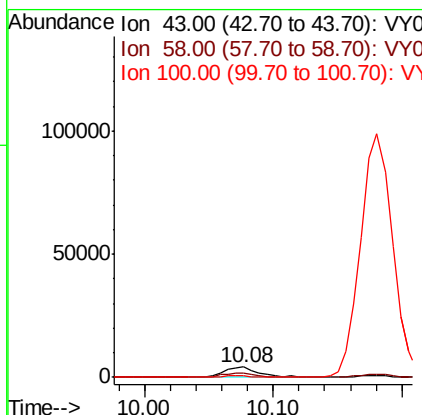
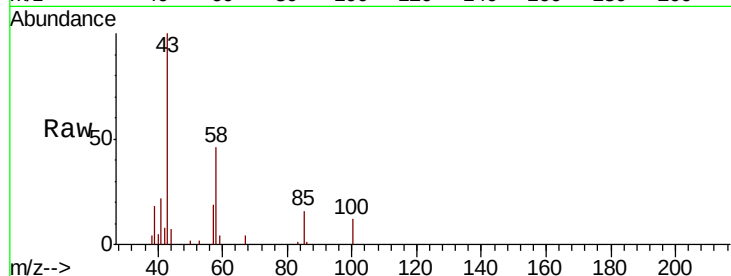




#43
4-Methyl-2-pentanone
Concen: 3.244 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

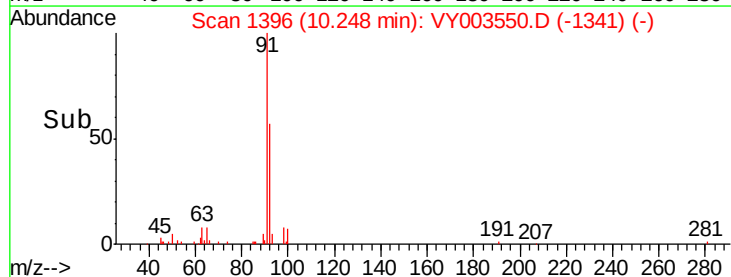
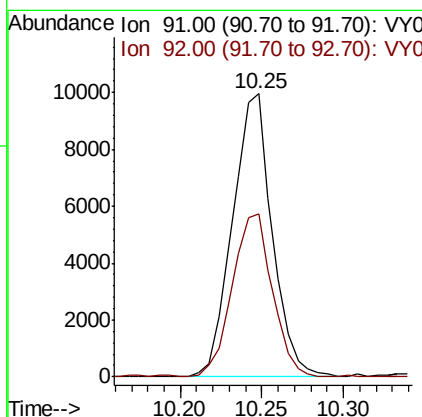
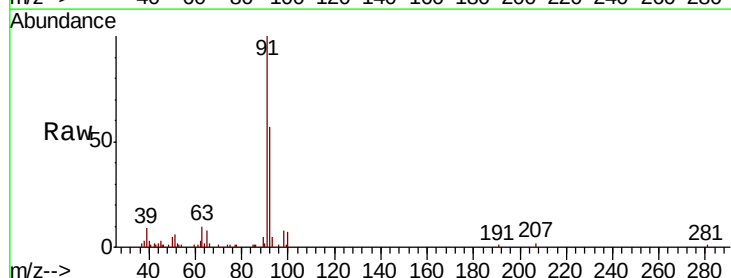
Instrument :
MSVOA_Y
ClientSampled :
MDL03

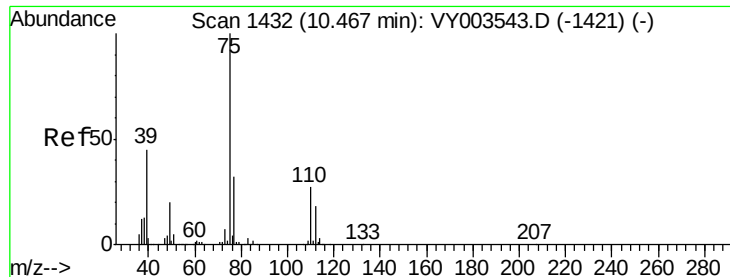
Tot Ion: 43 Resp: 8683
Ion Ratio Lower Upper
43 100
58 36.9 30.2 45.2
100 12.6 11.7 17.5



#44
Toluene
Concen: 1.232 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 91 Resp: 16851
Ion Ratio Lower Upper
91 100
92 57.4 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 1.797 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

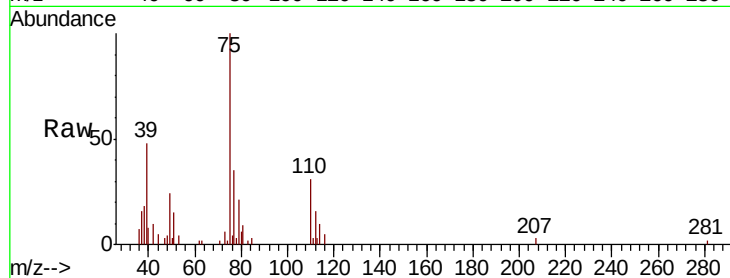
MDL03

Tot Ion: 75 Resp: 8350

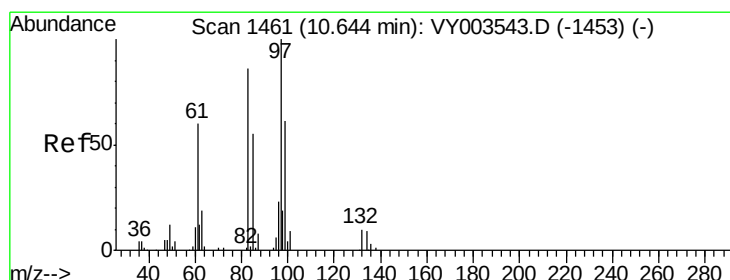
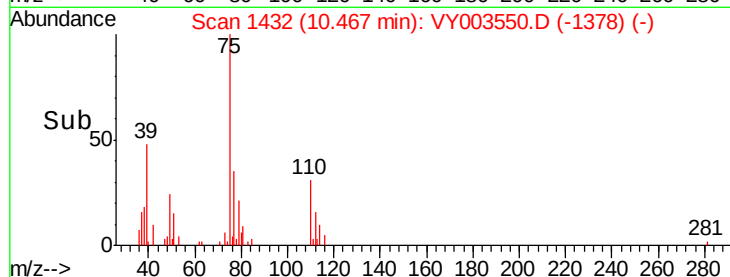
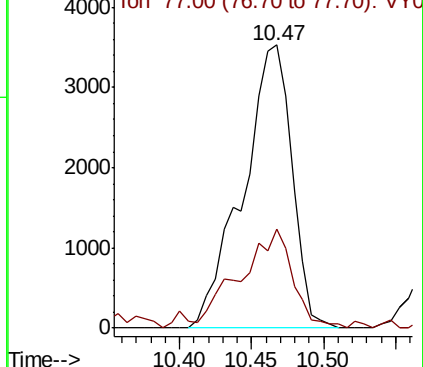
Ion Ratio Lower Upper

75 100

77 35.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY003543.D (-1421) (-)



#46

1,1,2-Trichloroethane

Concen: 1.322 ug/L

RT: 10.65 min Scan# 1462

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion: 97 Resp: 3378

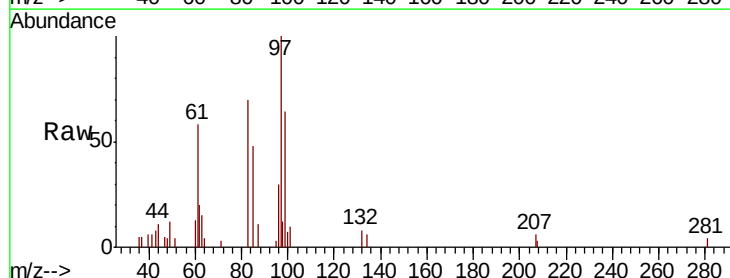
Ion Ratio Lower Upper

97 100

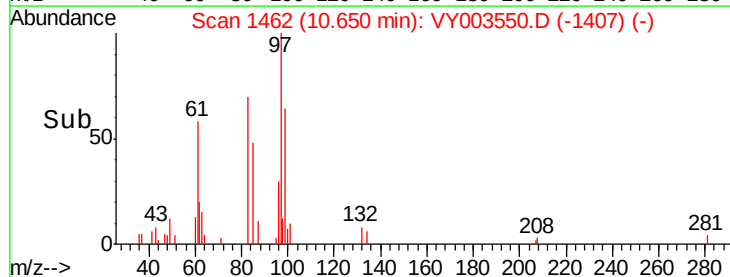
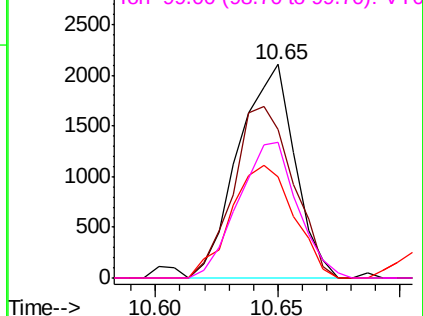
83 69.8 60.1 111.5

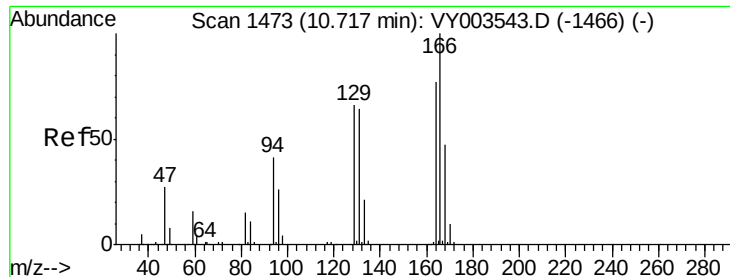
85 47.5 38.9 72.2

99 63.5 43.0 80.0



Abundance Ion 97.00 (96.70 to 97.70): VY003543.D (-1453) (-)





#47

Tetrachloroethene

Concen: 1.199 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion:164 Resp: 3425

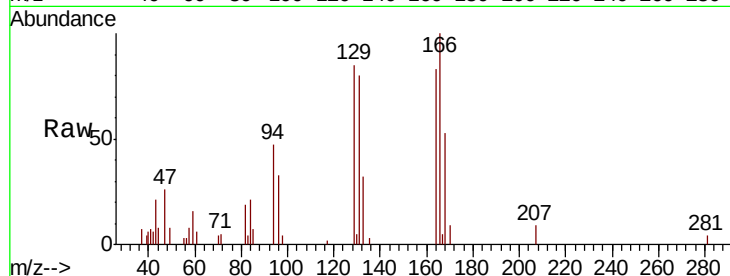
Ion Ratio Lower Upper

164 100

129 102.0 60.6 112.6

131 96.3 58.7 109.1

166 120.6 91.2 169.4



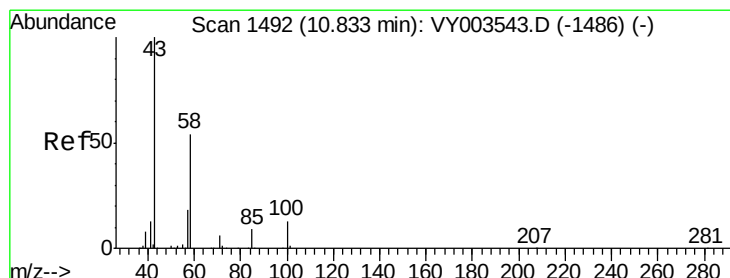
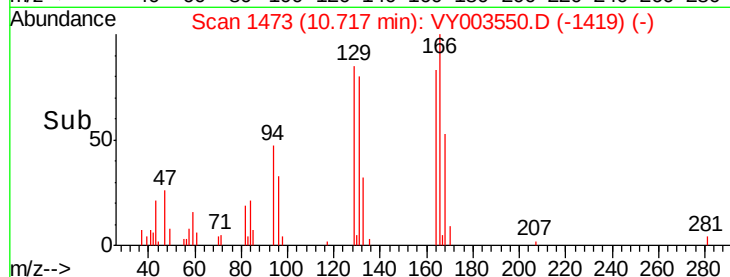
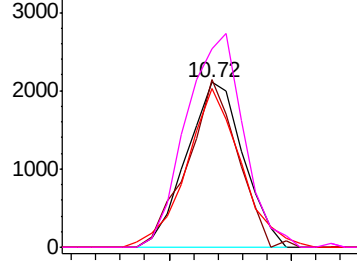
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.407 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion: 43 Resp: 5088

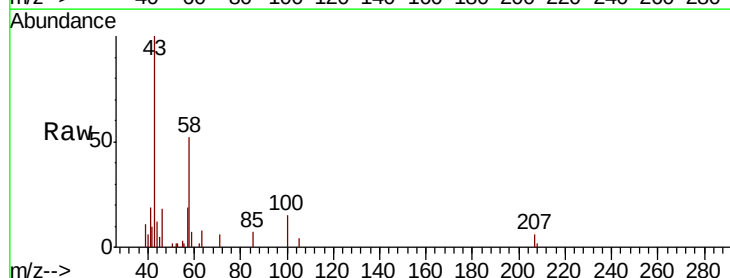
Ion Ratio Lower Upper

43 100

58 61.1 42.1 63.1

57 18.6 14.2 21.2

100 12.4 9.5 14.3



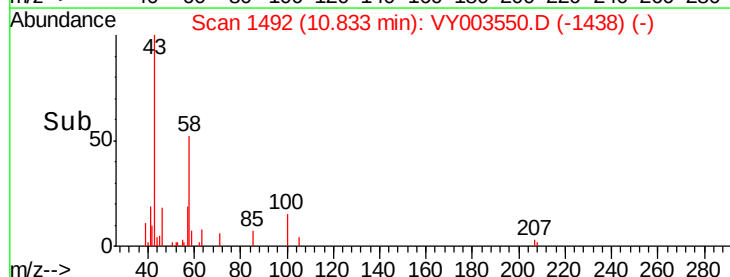
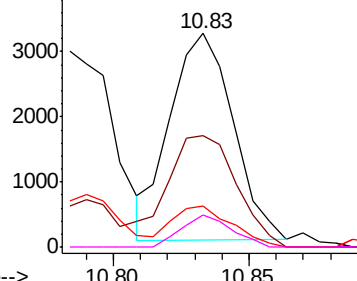
Abundance

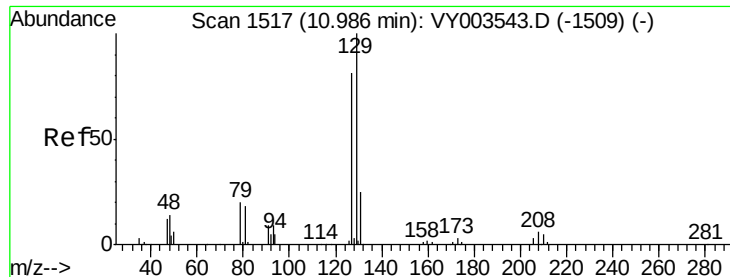
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#50

Dibromochloromethane

Concen: 1.284 ug/L

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

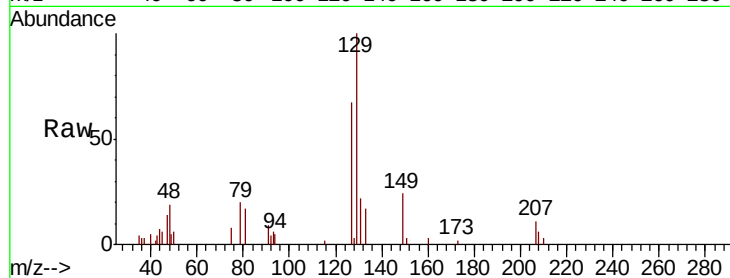
MDL03

Tot Ion:129 Resp: 3957

Ion Ratio Lower Upper

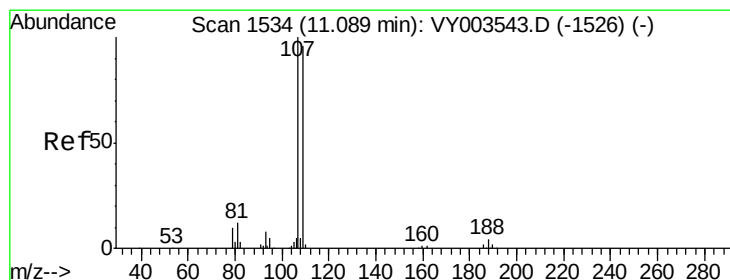
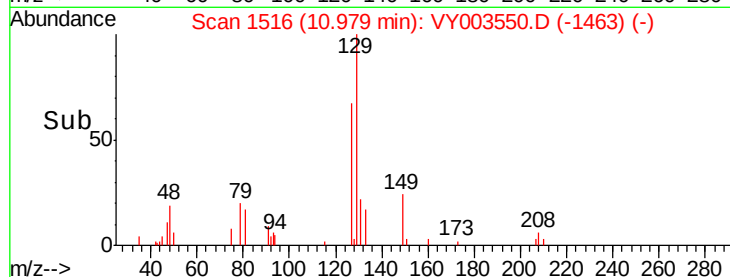
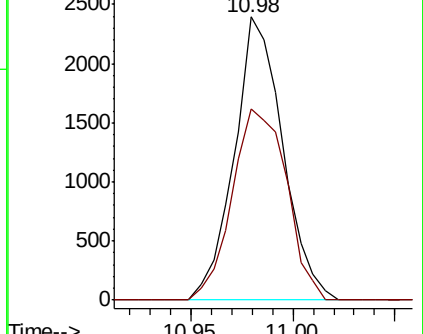
129 100

127 67.4 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 1.289 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

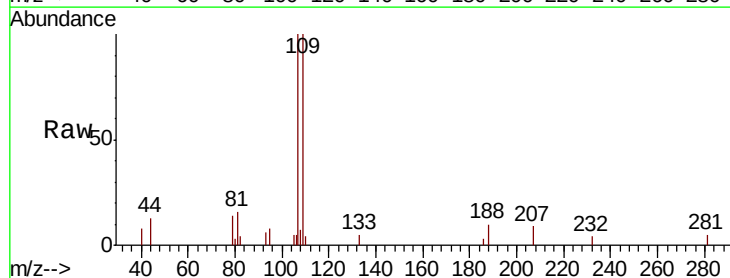
Tgt Ion:107 Resp: 3283

Ion Ratio Lower Upper

107 100

109 100.4 66.8 124.2

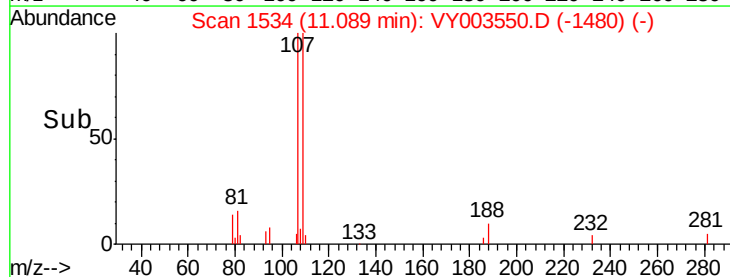
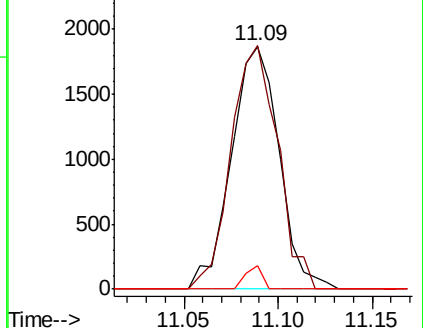
188 9.6 3.3 4.9#

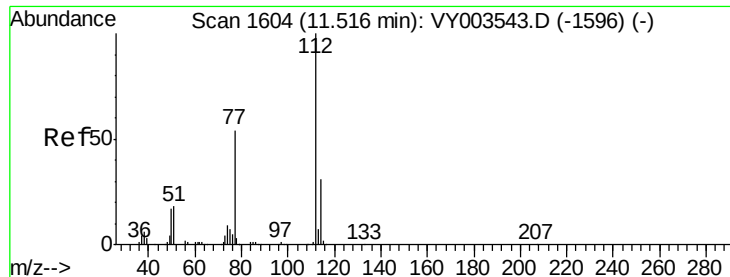


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.239 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

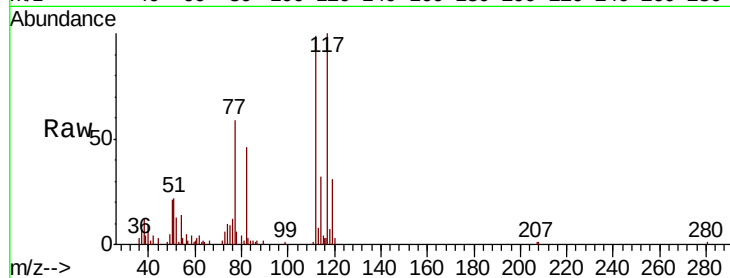
Tot Ion:112 Resp: 10819

Ion Ratio Lower Upper

112 100

77 59.2 43.3 64.9

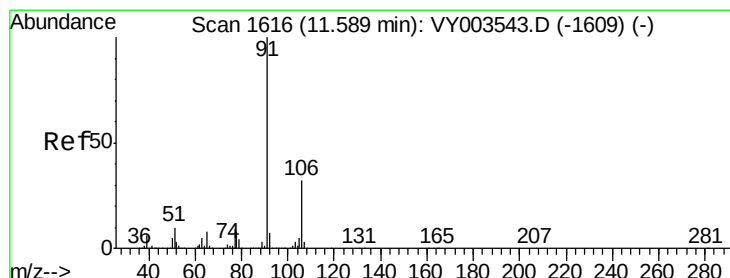
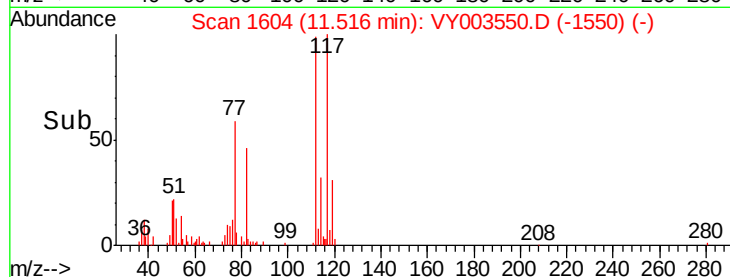
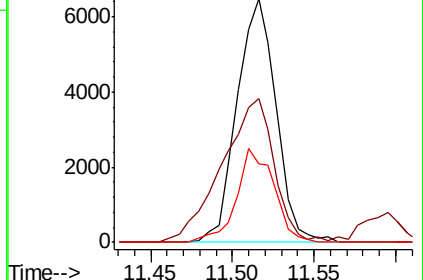
114 32.0 21.9 40.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 1.150 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003550.D

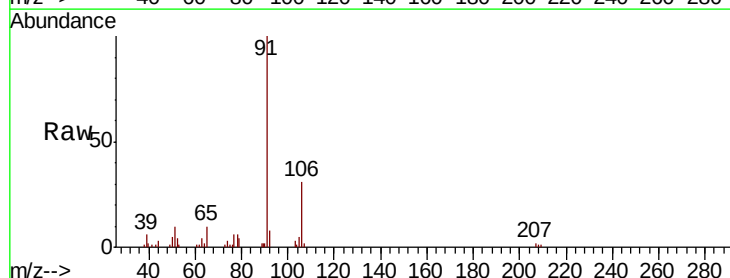
Acq: 19 Nov 2020 16:12

Tgt Ion: 91 Resp: 16150

Ion Ratio Lower Upper

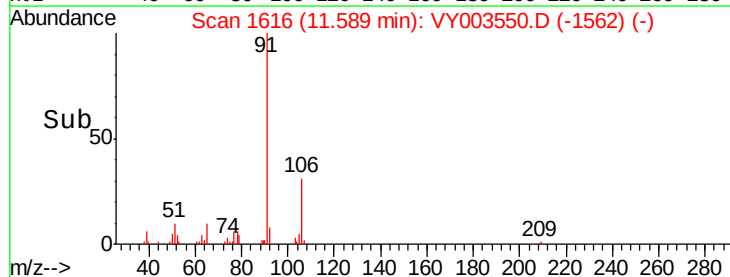
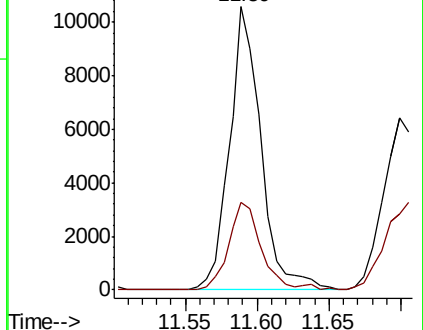
91 100

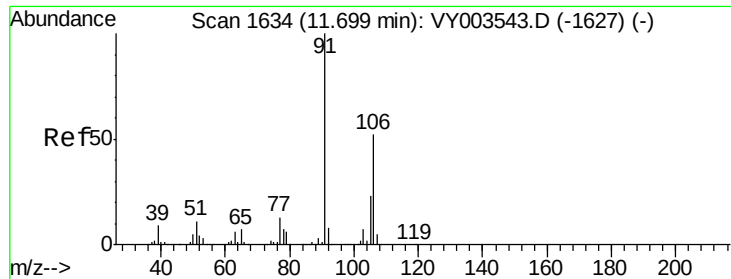
106 30.9 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.131 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

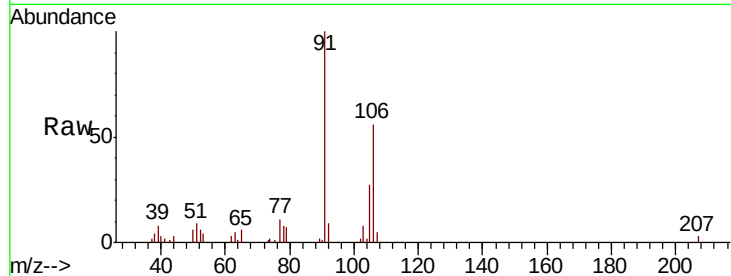
MDL03

Tot Ion:106 Resp: 6116

Ion Ratio Lower Upper

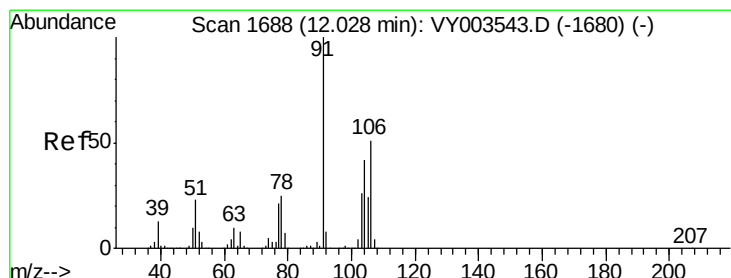
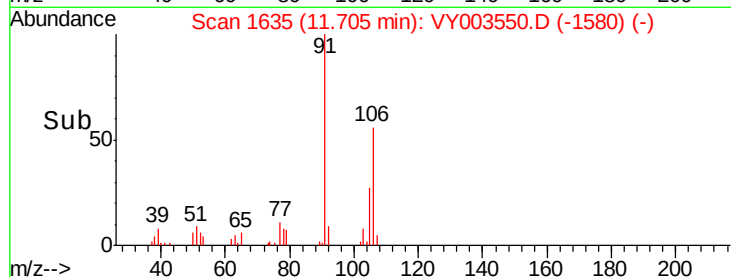
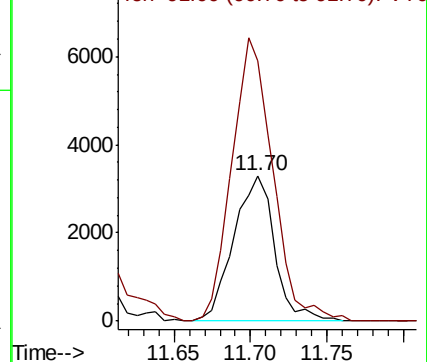
106 100

91 179.6 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 1.047 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003550.D

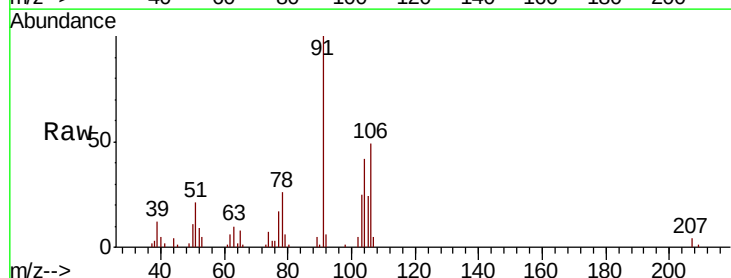
Acq: 19 Nov 2020 16:12

Tgt Ion:106 Resp: 4725

Ion Ratio Lower Upper

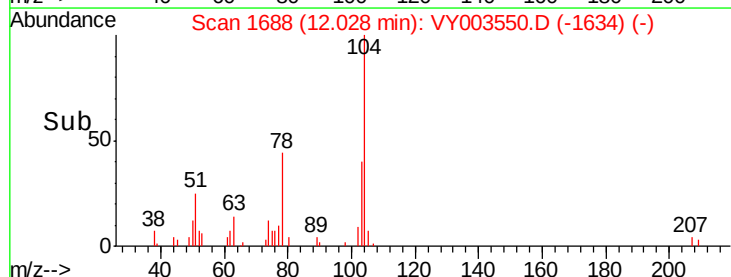
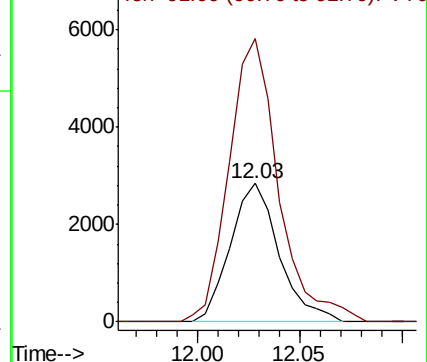
106 100

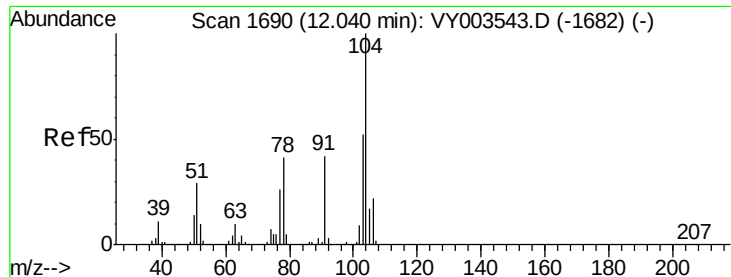
91 204.4 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Stvrene

Concen: 1.057 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

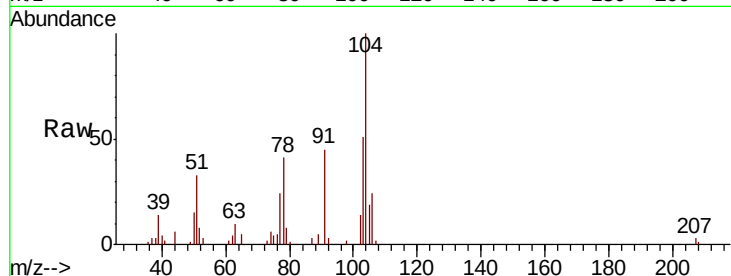
MDL03

Tot Ion:104 Resp: 9341

Ion Ratio Lower Upper

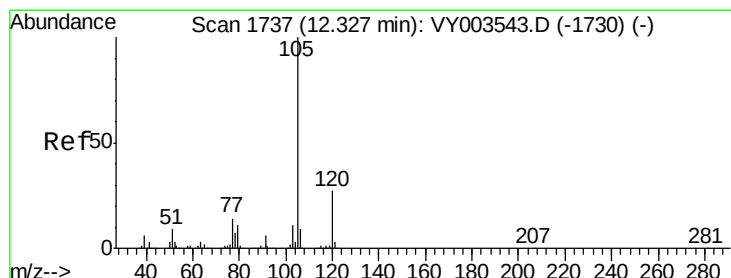
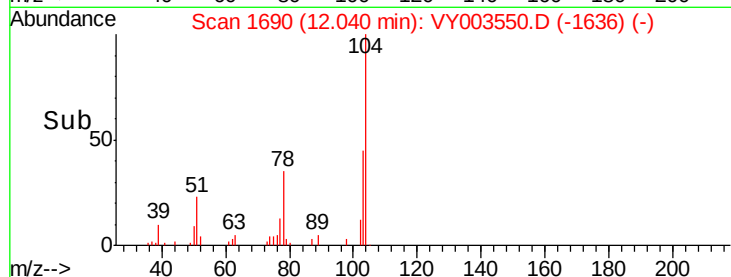
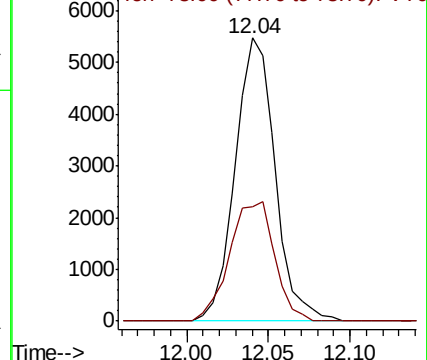
104 100

78 40.5 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



#57

Isopropylbenzene

Concen: 1.013 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

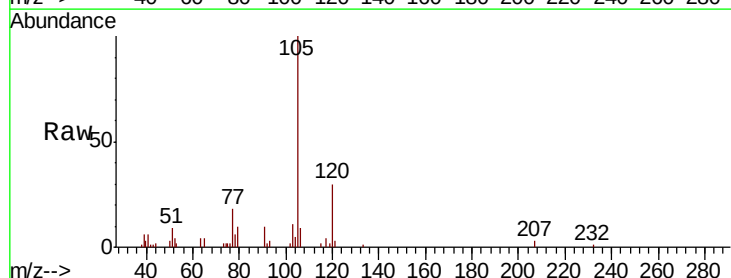
Tgt Ion:105 Resp: 10345

Ion Ratio Lower Upper

105 100

120 27.5 21.7 32.5

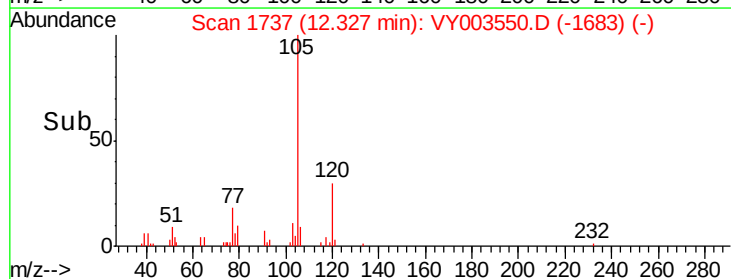
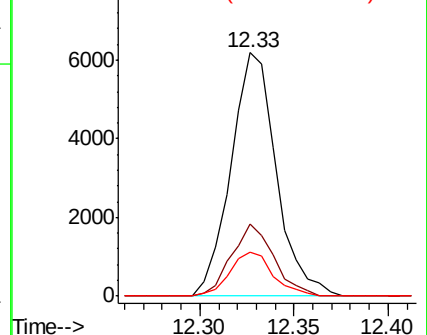
77 17.1 12.1 18.1

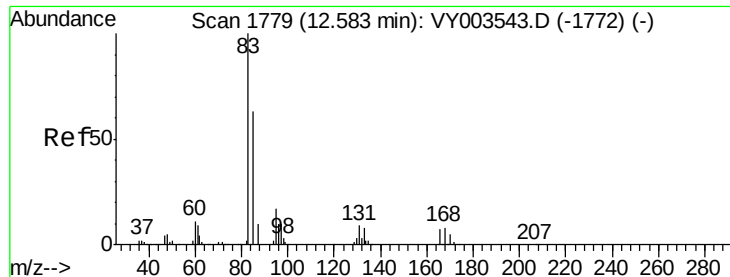


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.320 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

MDL03

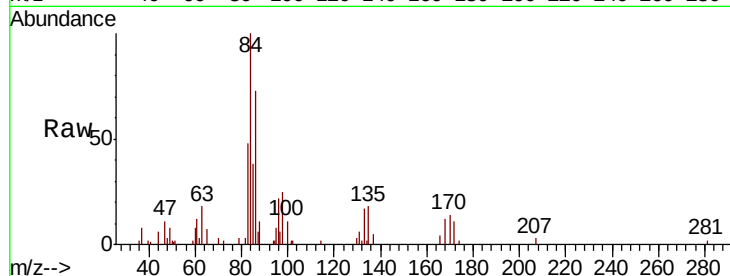
Tot Ion: 83 Resp: 3981

Ion Ratio Lower Upper

83 100

85 78.5 44.8 83.2

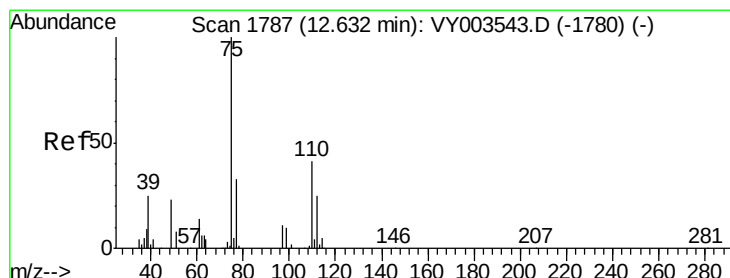
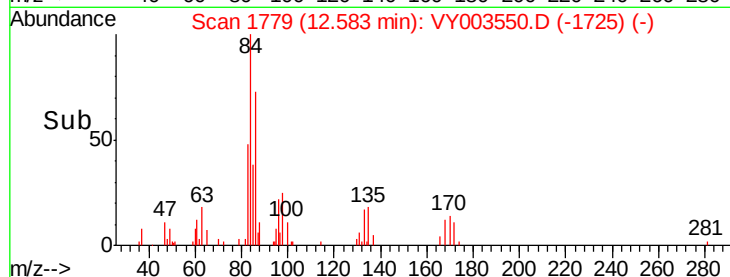
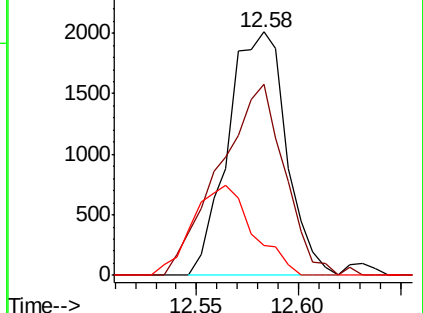
131 12.4 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): VY0



#59

1,2,3-Trichloropropane

Concen: 1.251 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003550.D

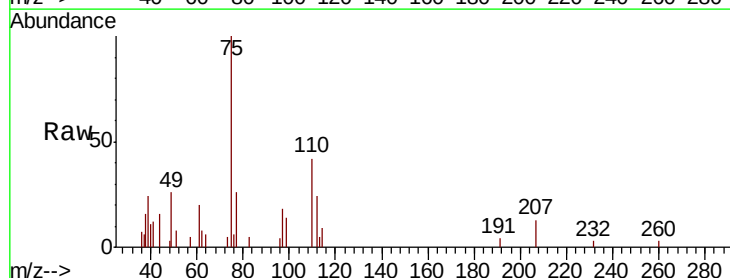
Acq: 19 Nov 2020 16:12

Tgt Ion: 75 Resp: 2937

Ion Ratio Lower Upper

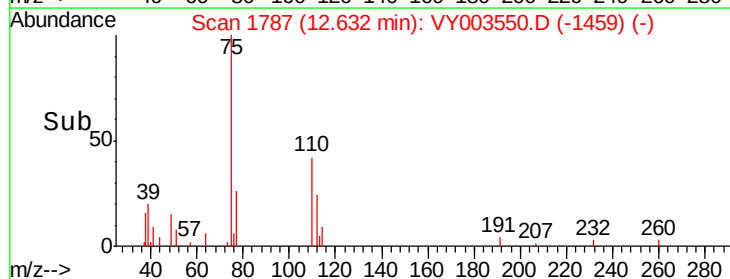
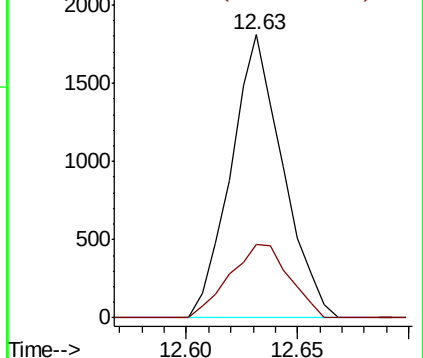
75 100

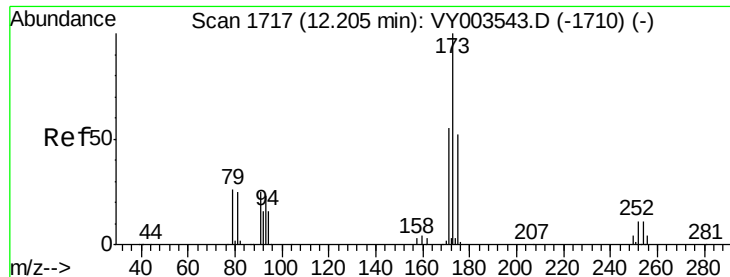
77 29.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

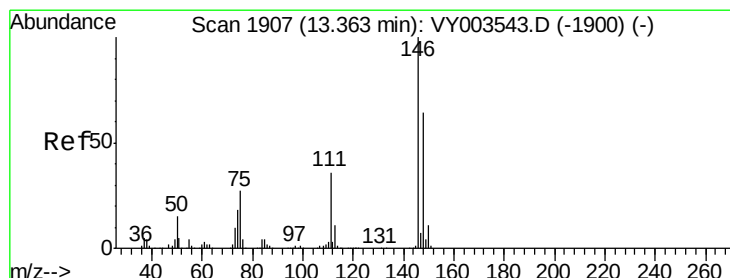
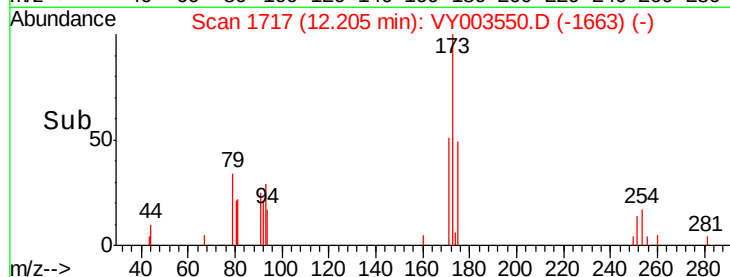
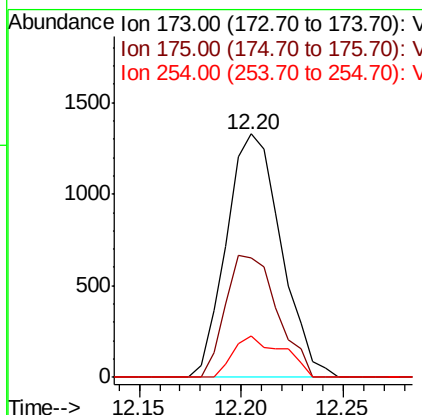
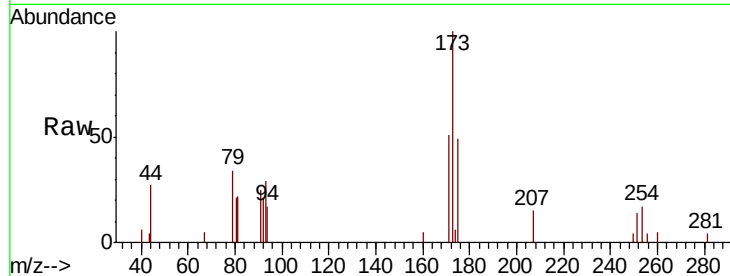




#62
Bromoform
Concen: 1.254 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

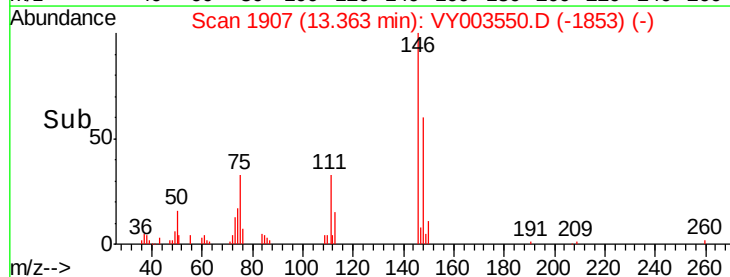
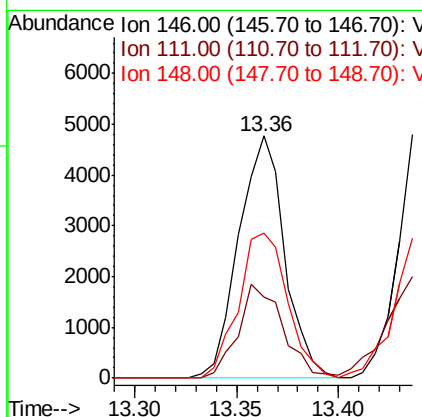
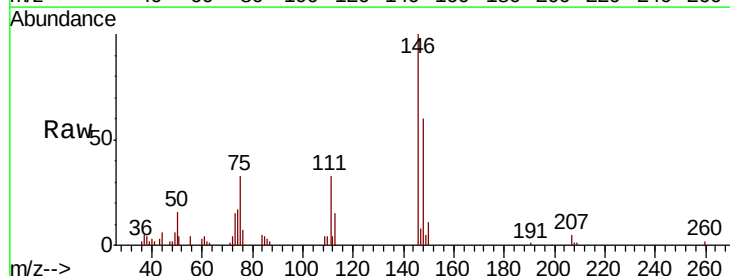
Instrument :
MSVOA_Y
ClientSampleId :
MDL03

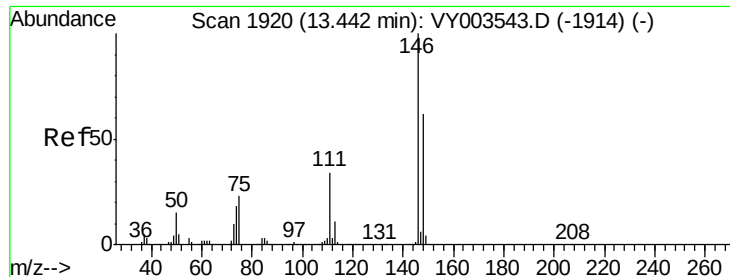
Tot Ion:173 Resp: 2473
Ion Ratio Lower Upper
173 100
175 47.4 39.5 59.3
254 11.8 8.6 12.8



#63
1,3-Dichlorobenzene
Concen: 1.212 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion:146 Resp: 7434
Ion Ratio Lower Upper
146 100
111 33.4 25.1 46.5
148 59.7 44.7 82.9

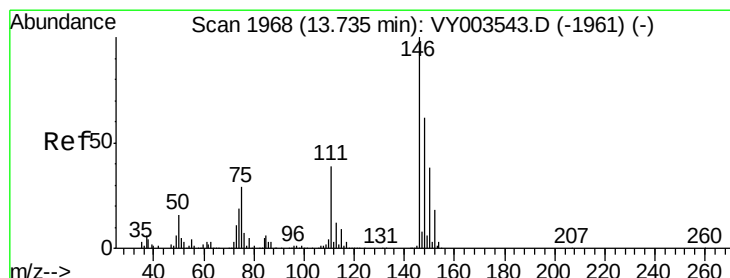
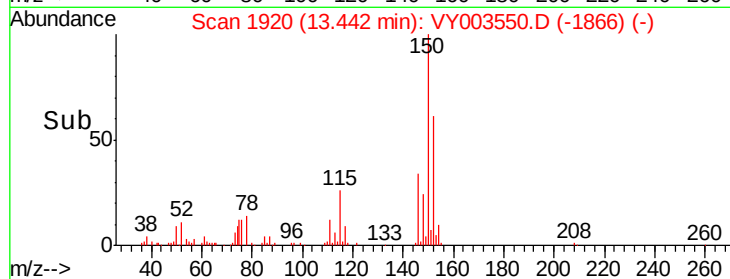
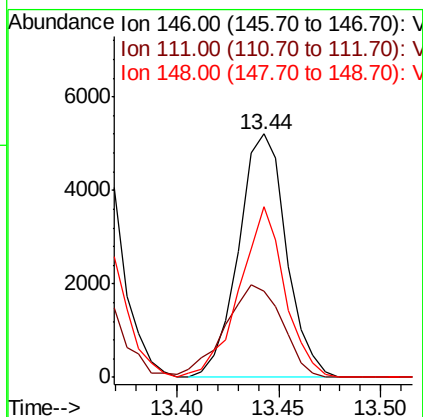
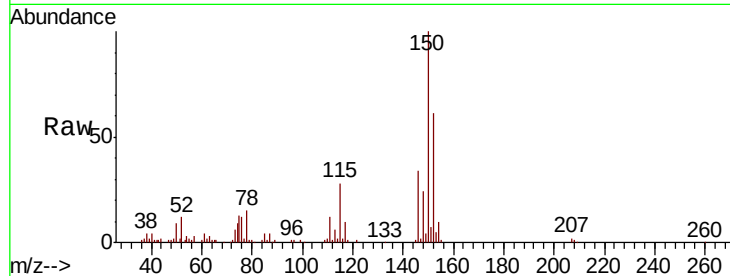




#64
 1,4-Dichlorobenzene
 Concen: 1.343 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

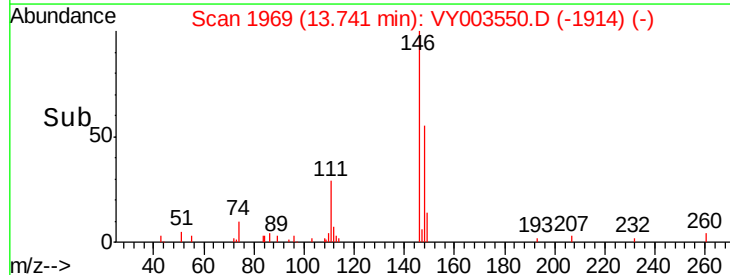
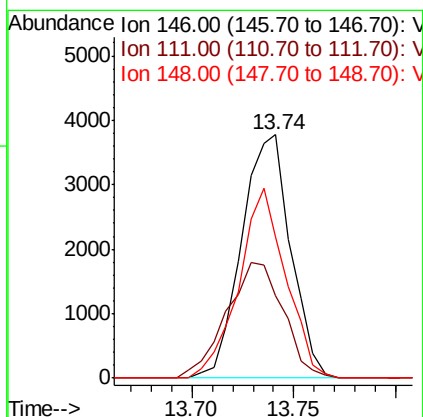
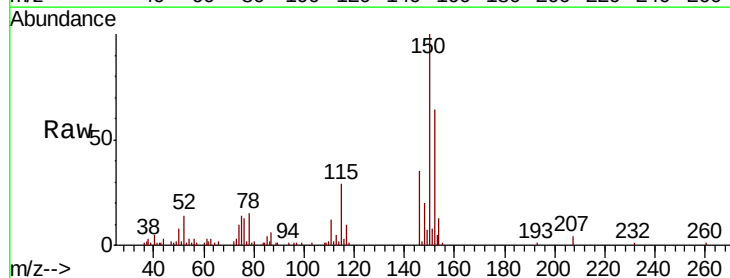
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

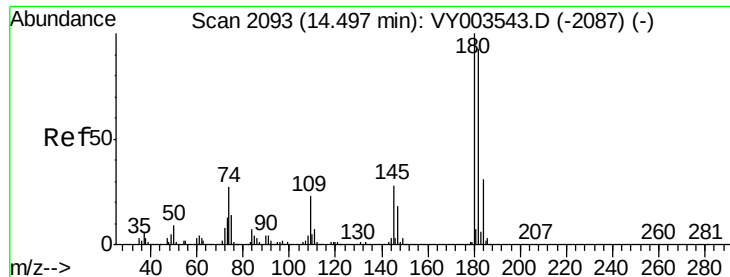
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	24.1	44.8
148	69.9	43.6	81.0



#65
 1,2-Dichlorobenzene
 Concen: 1.250 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	31.0	46.6
148	58.1	49.8	74.8

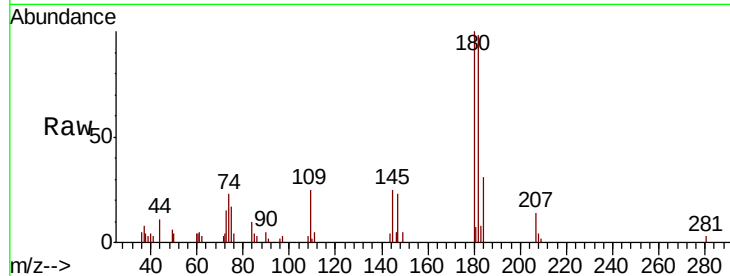




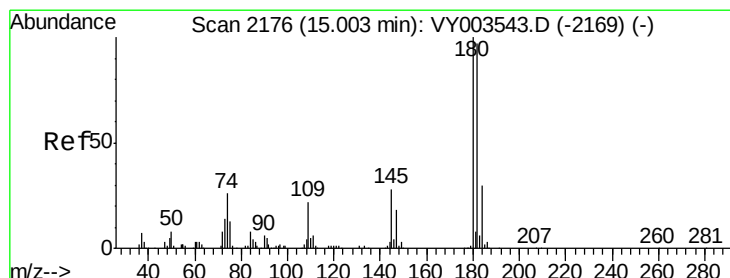
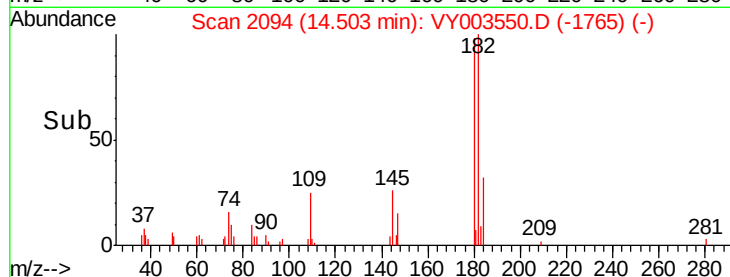
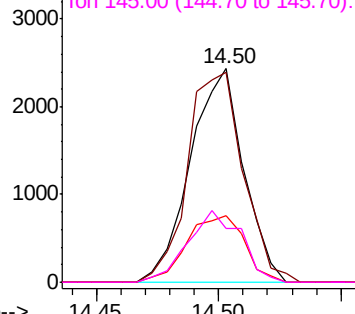
#67
 1,3,5-Trichlorobenzene
 Concen: 1.134 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 3690
 Ion Ratio Lower Upper
 180 100
 182 102.5 77.3 115.9
 184 33.8 24.4 36.6
 145 33.4 22.4 33.6

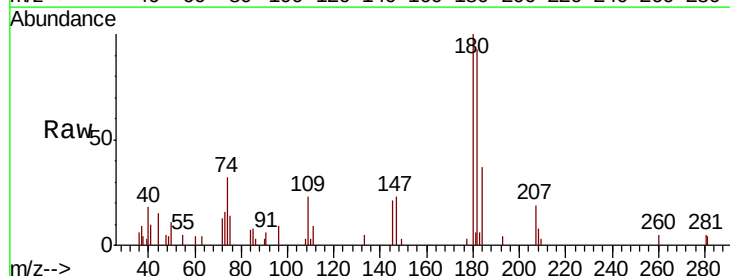


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

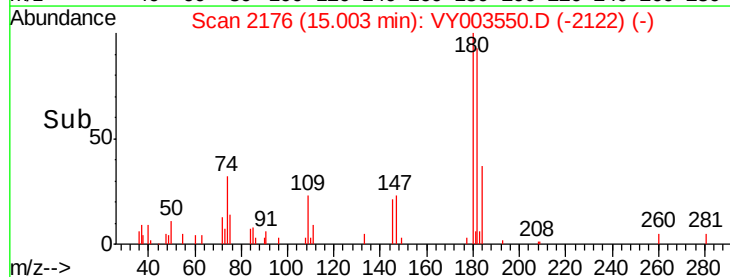
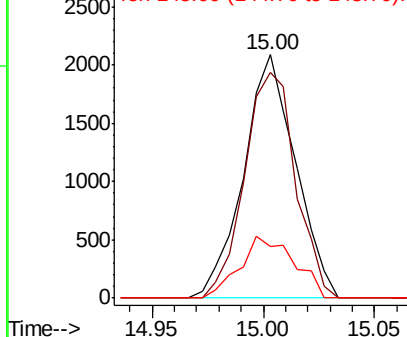


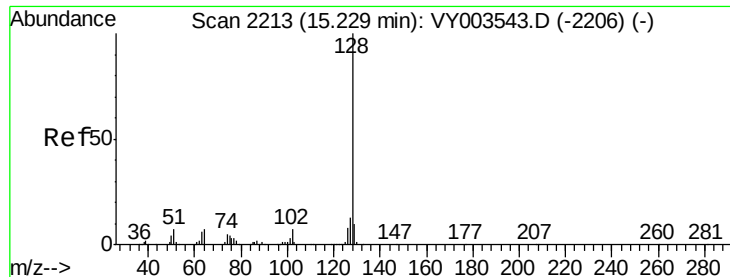
#68
 1,2,4-trichlorobenzene
 Concen: 1.210 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion:180 Resp: 3391
 Ion Ratio Lower Upper
 180 100
 182 91.2 76.5 114.7
 145 26.5 22.8 34.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.157 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

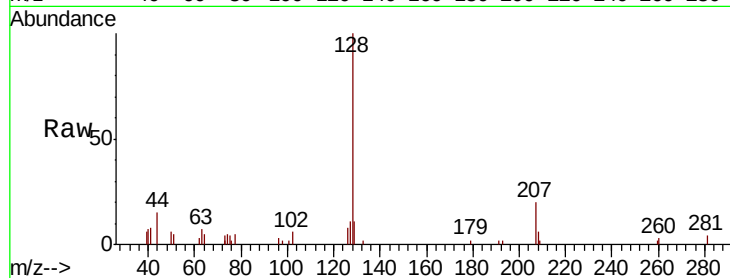
Tot Ion:128 Resp: 5719

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

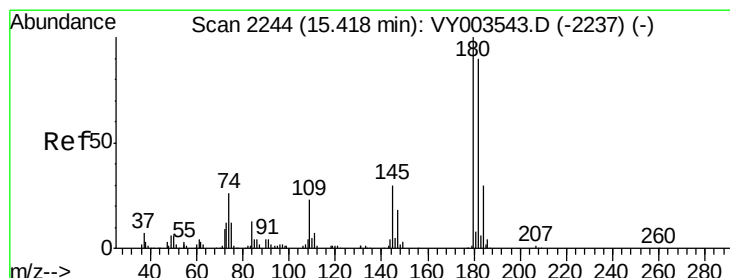
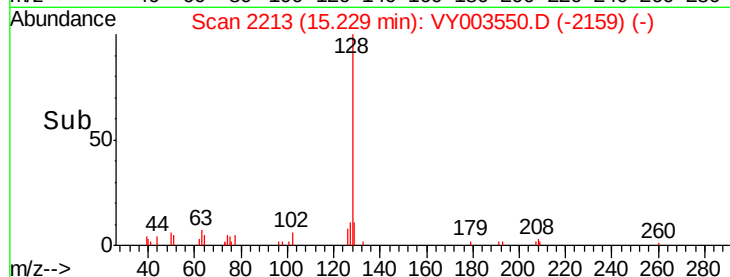
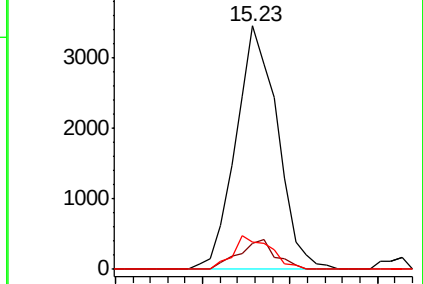
127 12.4 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.210 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

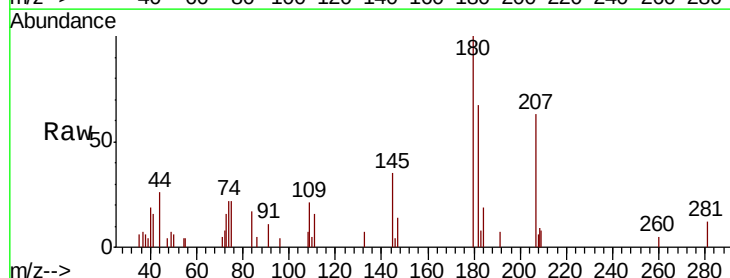
Tgt Ion:180 Resp: 2563

Ion Ratio Lower Upper

180 100

182 96.6 76.5 114.7

145 30.8 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

