

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003551.D
 Acq On : 19 Nov 2020 16:33
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Quant Time: Nov 20 01:45:43 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	239983	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	100590	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50600	19.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.52%
7) Chloroethane-d5	2.77	69	46644	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
10) 1,1-Dichloroethene-d2	3.86	63	97138	14.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.44%
20) 2-Butanone-d5	6.91	46	54426	40.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.62%
24) Chloroform-d	7.49	84	132570	21.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.92%
26) 1,2-Dichloroethane-d4	8.14	65	75326	22.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.12%
29) Benzene-d6	8.11	84	272751	21.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.68%
33) 1,2-Dichloropropane-d6	9.13	67	82304	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.20%
37) Toluene-d8	10.18	98	247495	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.80%
38) trans-1,3-Dichloropropene-	10.44	79	39604	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.00%
39) 2-Hexanone-d5	10.79	63	39234	40.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.76%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66815	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	73028	22.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.93	85	1081	0.850 ug/L #	79
3) Chloromethane	2.12	50	3576	1.336 ug/L	88
5) Vinyl chloride	2.26	62	4290	1.342 ug/L #	73
6) Bromomethane	2.66	94	2990	1.205 ug/L	94
8) Chloroethane	2.80	64	2533	1.167 ug/L	95
9) Trichlorofluoromethane	3.13	101	3432	1.120 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	1226	0.386 ug/L #	1
12) 1,1-Dichloroethene	3.88	96	4947	1.488 ug/L #	1
13) Acetone	3.97	43	3030	3.164 ug/L	57
14) Carbon disulfide	4.21	76	13271	1.205 ug/L #	94
16) Methylene chloride	4.72	84	13836	3.363 ug/L	97
17) Methyl tert-butyl Ether	5.22	73	3369	0.649 ug/L #	89
18) trans-1,2-Dichloroethene	5.22	96	4534	1.294 ug/L	77
19) 1,1-Dichloroethane	6.03	63	7781	1.315 ug/L	97
21) 2-Butanone	7.00	43	5462	3.387 ug/L	85
22) cis-1,2-Dichloroethene	6.99	96	4851	1.348 ug/L #	76
23) Bromochloromethane	7.35	128	2172	1.247 ug/L	96

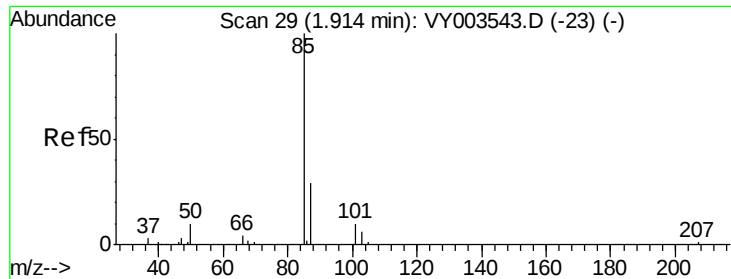
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.52	83	8248	1.402	ug/L	81
27) 1,2-Dichloroethane	8.24	62	5193	1.307	ug/L	96
30) Cyclohexane	7.80	56	6061	1.154	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	5773	1.228	ug/L	96
32) Carbon tetrachloride	7.91	117	5347	1.197	ug/L	95
34) Benzene	8.16	78	17682	1.298	ug/L	100
35) Trichloroethene	8.94	95	4546	1.317	ug/L	97
36) Methylcyclohexane	9.19	83	6519	1.208	ug/L	93
40) 1,2-Dichloropropane	9.22	63	4285	1.275	ug/L #	97
41) Bromodichloromethane	9.50	83	5396	1.258	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	6625	1.250	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	8584	3.053	ug/L	94
44) Toluene	10.24	91	18571	1.293	ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	8093	1.658	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	3615	1.347	ug/L	92
47) Tetrachloroethene	10.72	164	3906	1.302	ug/L	90
49) 2-Hexanone	10.83	43	5112	2.302	ug/L	98
50) Dibromochloromethane	10.99	129	3983	1.230	ug/L	80
51) 1,2-Dibromoethane	11.09	107	3525	1.317	ug/L #	94
52) Chlorobenzene	11.51	112	12011	1.309	ug/L	98
53) Ethylbenzene	11.59	91	16661	1.129	ug/L	97
54) m,p-Xylene	11.70	106	6801	1.198	ug/L	94
55) o-xylene	12.03	106	5357	1.130	ug/L	93
56) Styrene	12.04	104	9937	1.070	ug/L	94
57) Isopropylbenzene	12.33	105	11397	1.062	ug/L	93
58) 1,1,2,2-Tetrachloroethane	12.58	83	4002	1.264	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	2671	1.083	ug/L	97
62) Bromoform	12.20	173	2725	1.335	ug/L	93
63) 1,3-Dichlorobenzene	13.36	146	7772	1.224	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	8446	1.292	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	6713	1.284	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.50	180	4377	1.300	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3467	1.195	ug/L	92
69) Naphthalene	15.23	128	5409	1.057	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	2748	1.253	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.850 ug/L

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

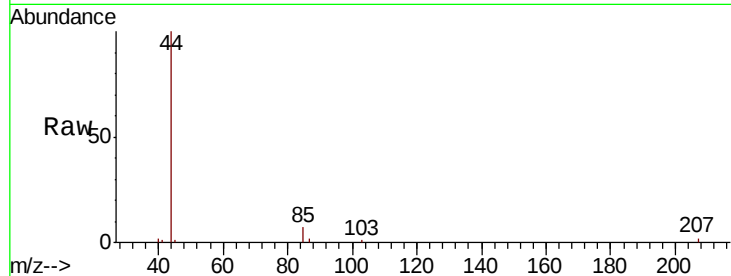
MDL04

Tot Ion: 85 Resp: 1081

Ion Ratio Lower Upper

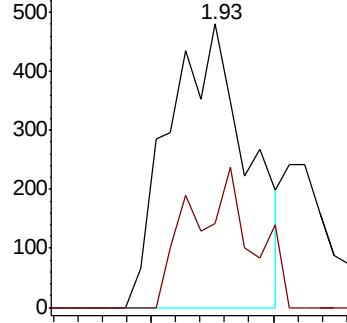
85 100

87 19.1 21.3 39.5#

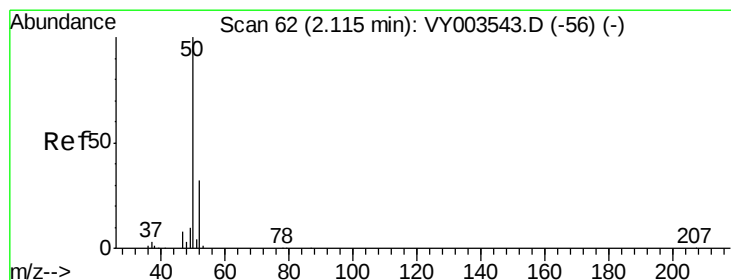
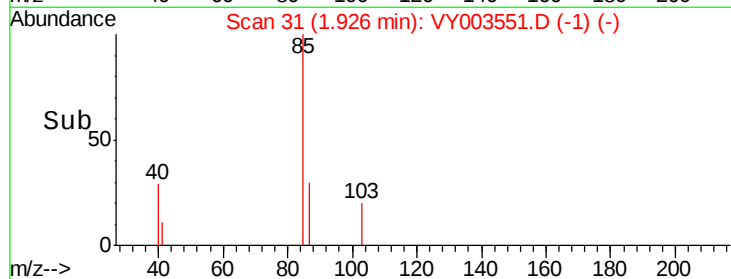


Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



Time-->



#3

Chloromethane

Concen: 1.336 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003551.D

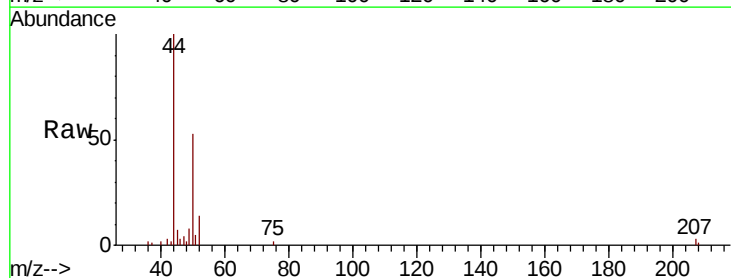
Acq: 19 Nov 2020 16:33

Tgt Ion: 50 Resp: 3576

Ion Ratio Lower Upper

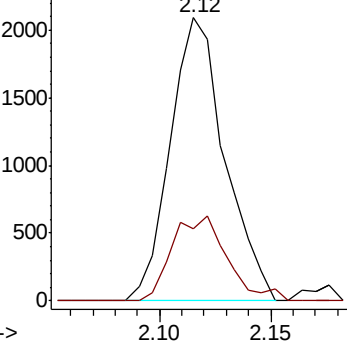
50 100

52 25.6 22.4 41.6

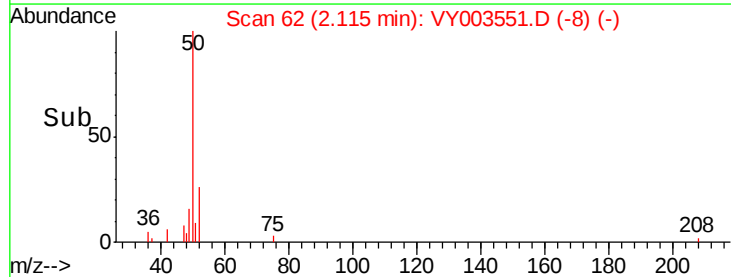


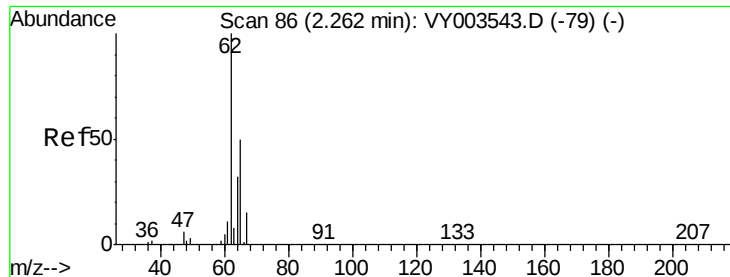
Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



Time-->





#5

Vinyl chloride

Concen: 1.342 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampled :

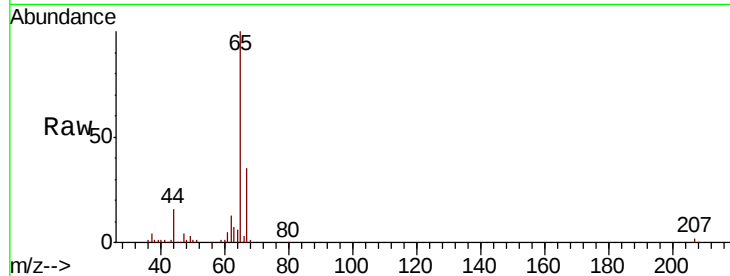
MDL04

Tot Ion: 62 Resp: 4290

Ion Ratio Lower Upper

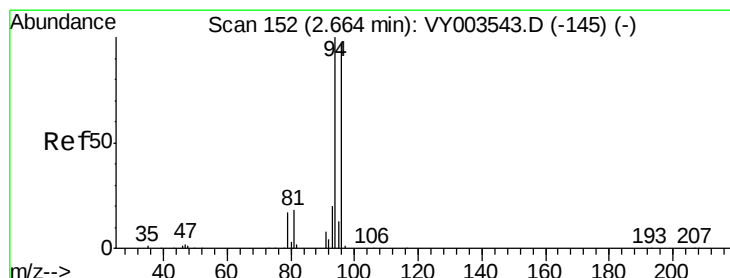
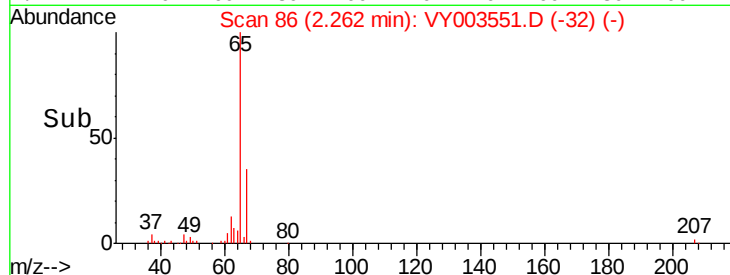
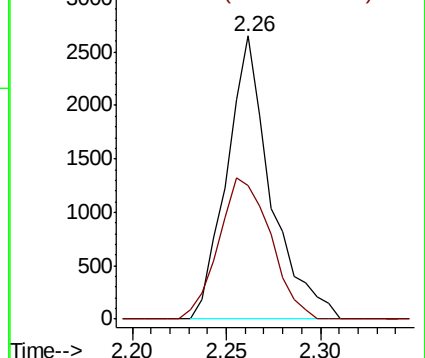
62 100

64 47.3 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: 1.205 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003551.D

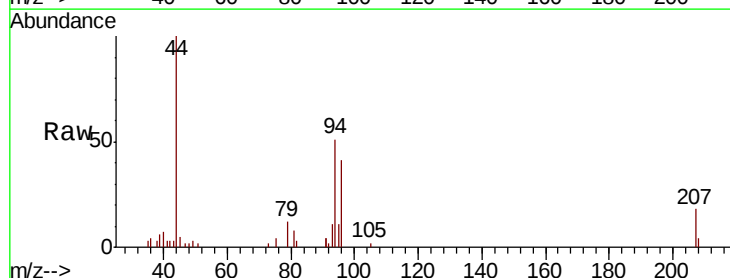
Acq: 19 Nov 2020 16:33

Tgt Ion: 94 Resp: 2990

Ion Ratio Lower Upper

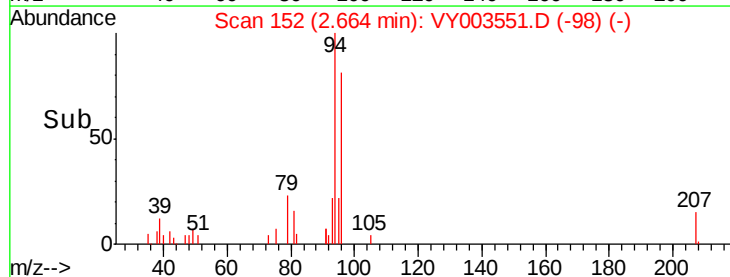
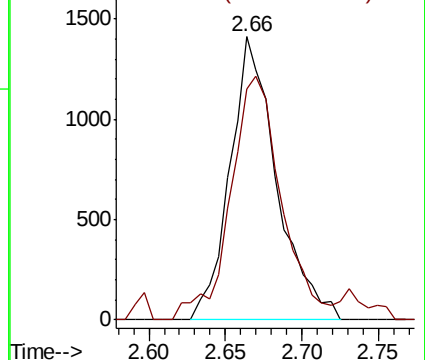
94 100

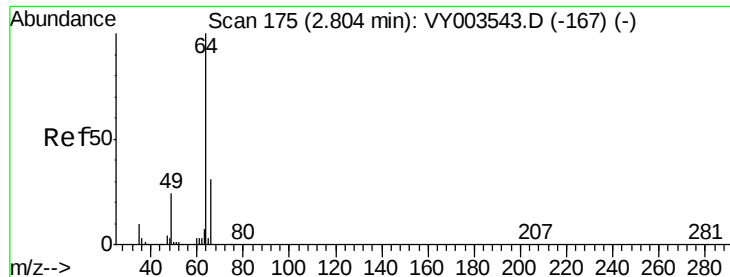
96 88.6 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.167 ug/L

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

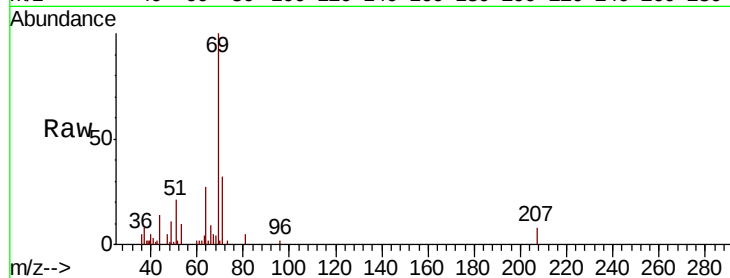
MDL04

Tot Ion: 64 Resp: 2533

Ion Ratio Lower Upper

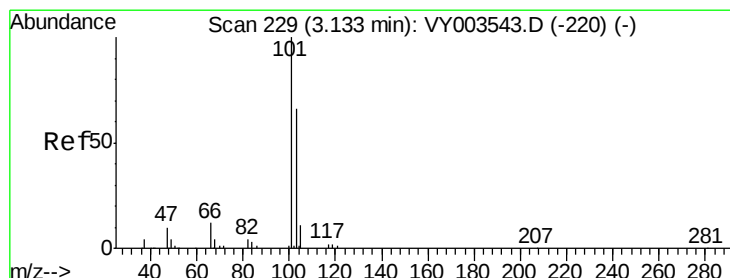
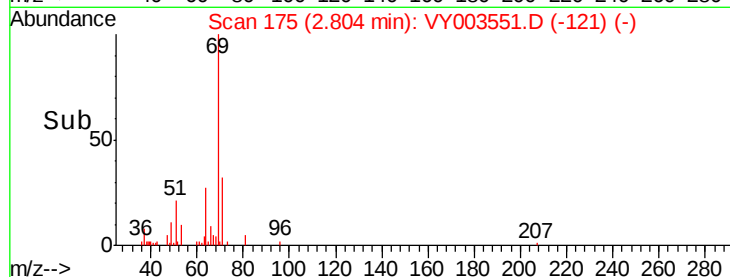
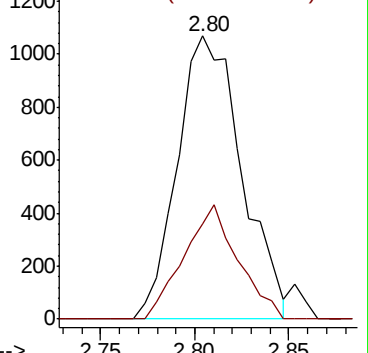
64 100

66 33.8 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VY003543.D (-167) (-)

Ion 66.00 (65.70 to 66.70): VY003543.D (-167) (-)



#9

Trichlorofluoromethane

Concen: 1.120 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.00 min

Lab File: VY003551.D

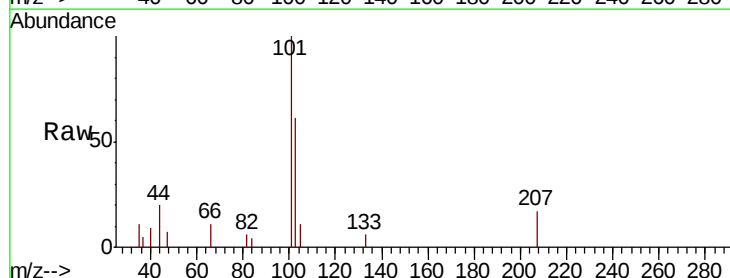
Acq: 19 Nov 2020 16:33

Tgt Ion: 101 Resp: 3432

Ion Ratio Lower Upper

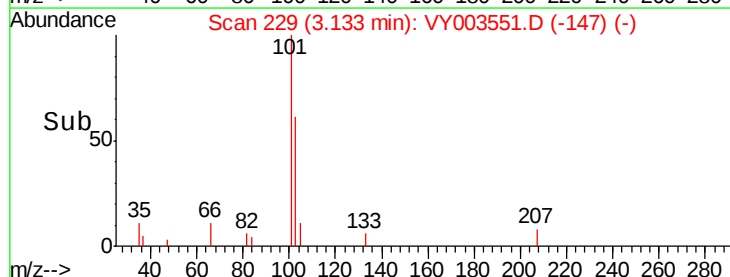
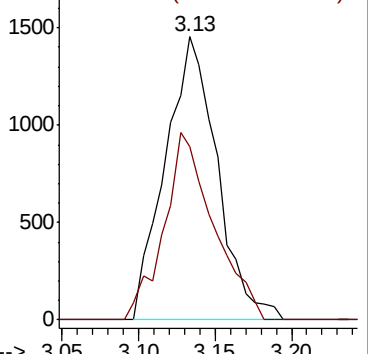
101 100

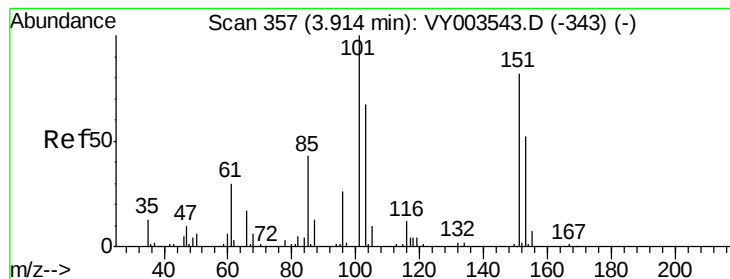
103 63.1 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-220) (-)

Ion 103.00 (102.70 to 103.70): VY003543.D (-220) (-)





#11

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

Concen: 0.386 ug/L

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

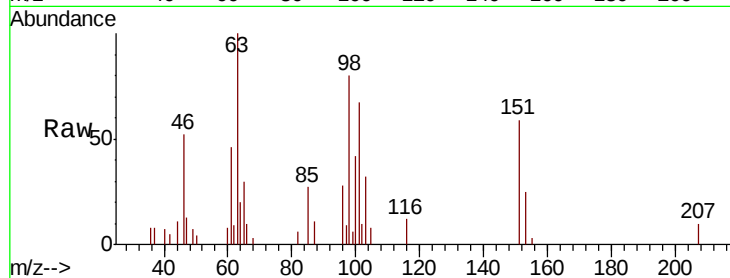
Tot Ion:101 Resp: 1226

Ion Ratio Lower Upper

101 100

85 85.2 35.0 52.4#

151 260.2 65.4 98.0#

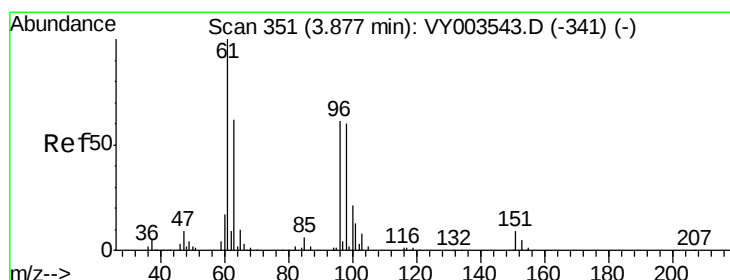
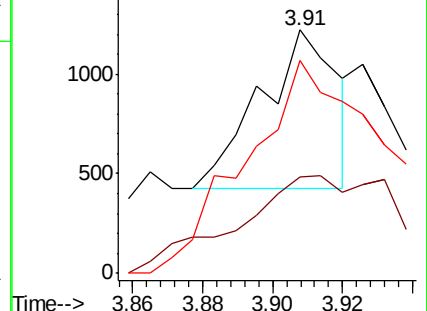
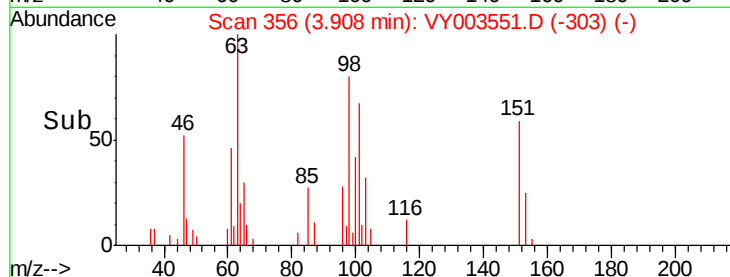


Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 1.488 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

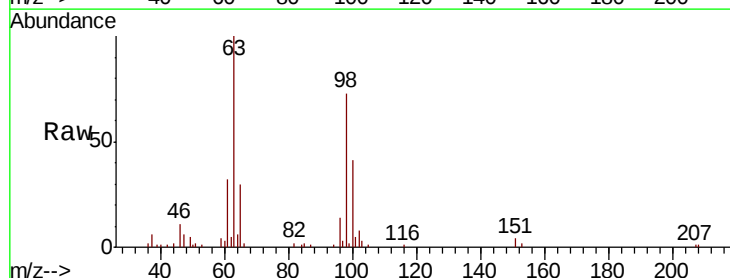
Tgt Ion: 96 Resp: 4947

Ion Ratio Lower Upper

96 100

61 234.8 116.6 216.6#

63 730.2 77.5 143.9#

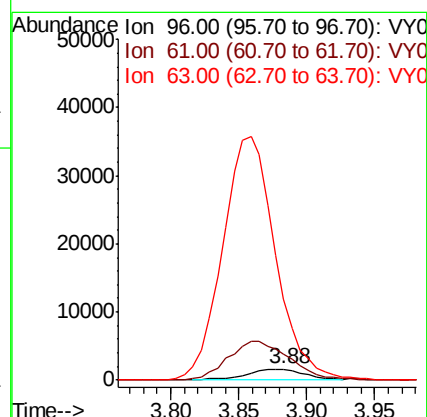
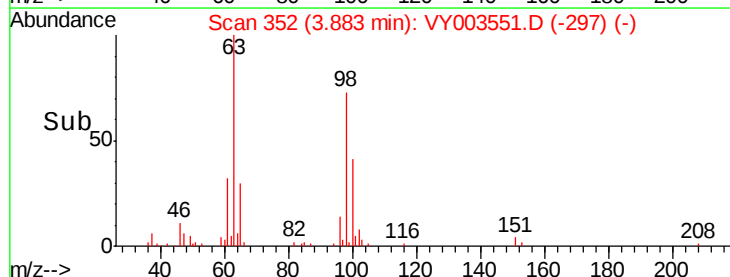


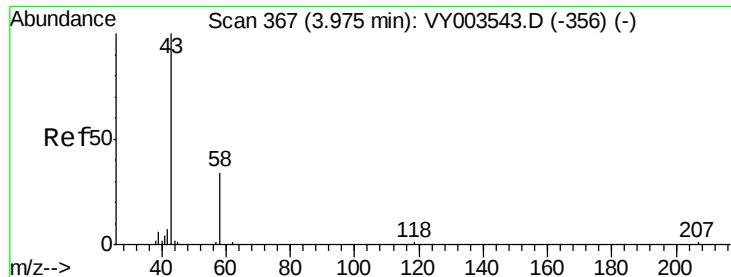
Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003543.D (-341) (-)

Ion 63.00 (62.70 to 63.70): VY003543.D (-341) (-)

Time-->





#13

Acetone

Concen: 3.164 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampled :

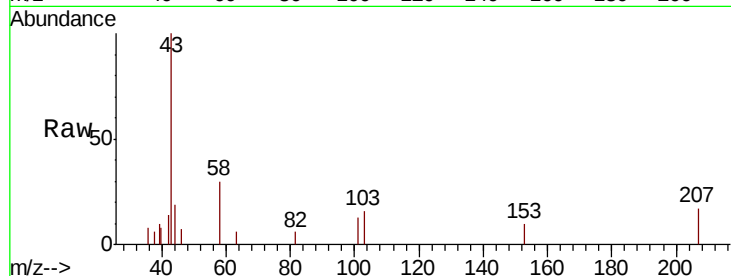
MDL04

Tot Ion: 43 Resp: 3030

Ion Ratio Lower Upper

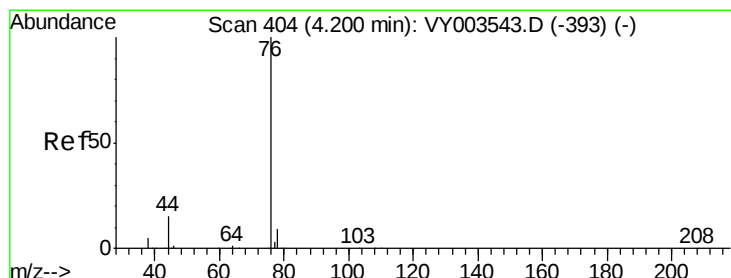
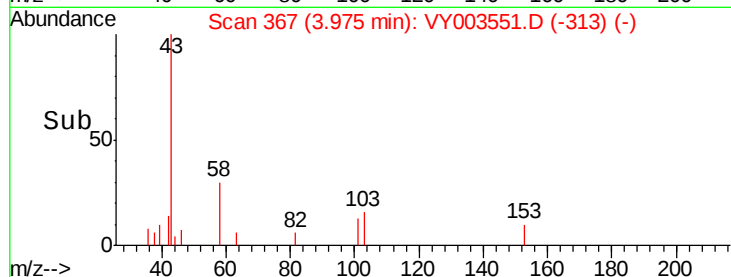
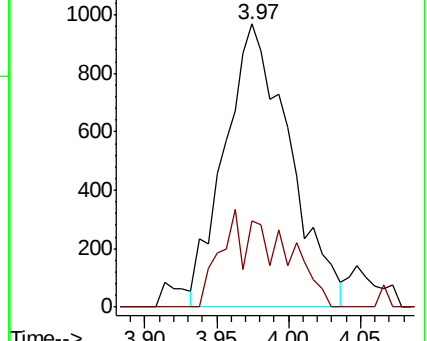
43 100

58 8.7 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: 1.205 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003551.D

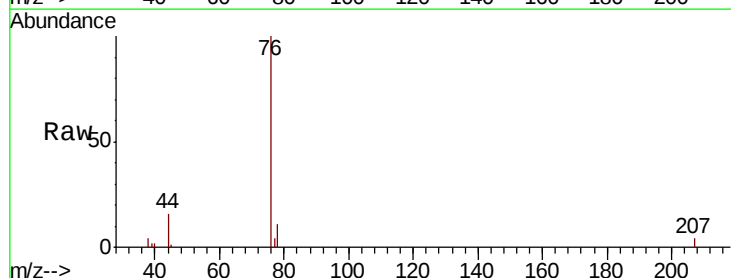
Acq: 19 Nov 2020 16:33

Tgt Ion: 76 Resp: 13271

Ion Ratio Lower Upper

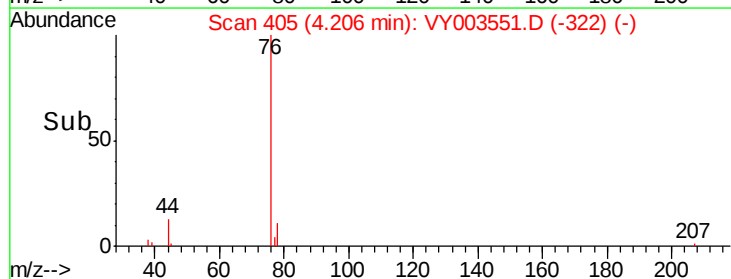
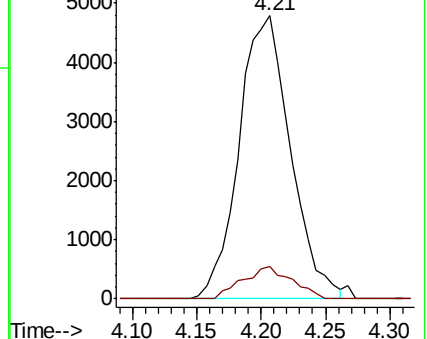
76 100

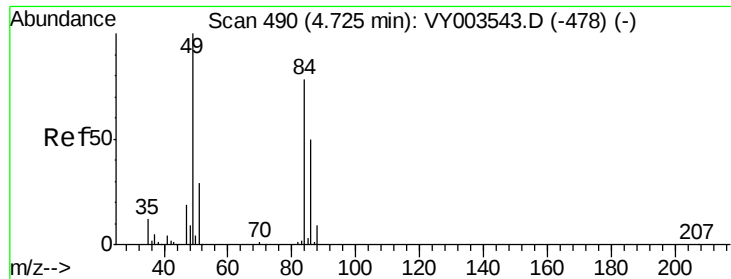
78 11.5 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

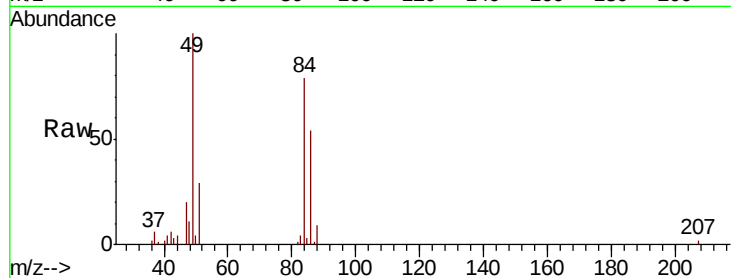




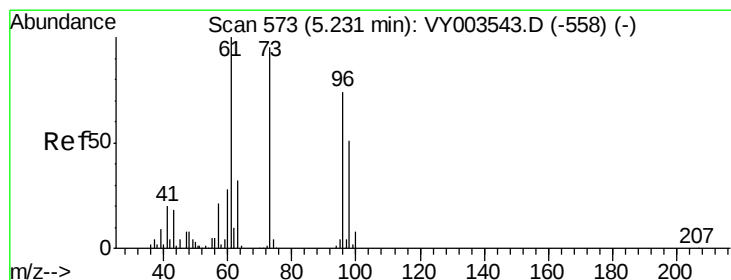
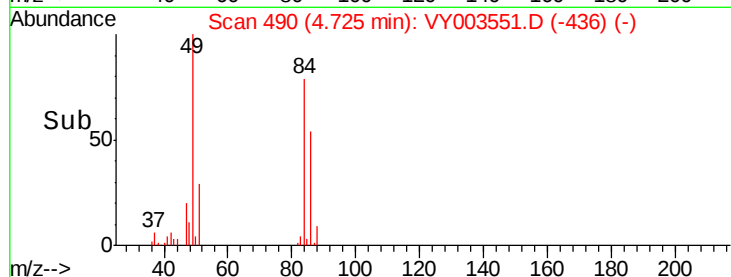
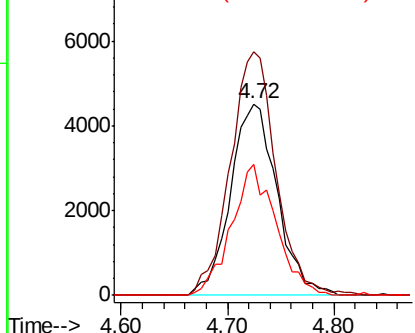
#16
Methylene chloride
Concen: 3.363 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion: 84 Resp: 13836
Ion Ratio Lower Upper
84 100
49 127.3 90.3 167.7
86 68.7 44.7 83.1

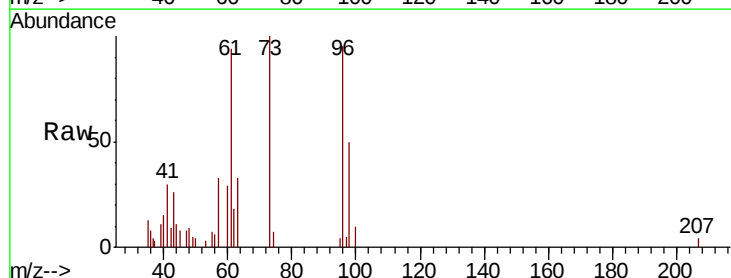


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 49.00 (48.70 to 49.70): VY0
Ion 86.00 (85.70 to 86.70): VY0

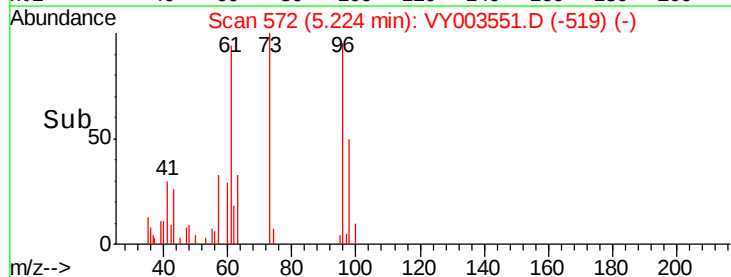
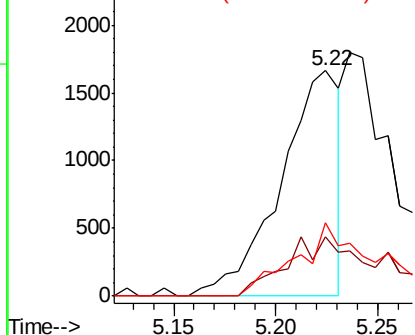


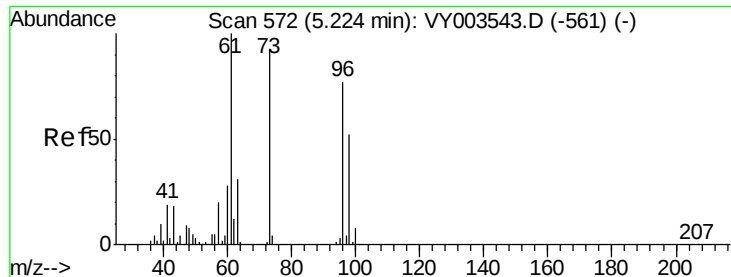
#17
Methyl tert-butyl Ether
Concen: 0.649 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 73 Resp: 3369
Ion Ratio Lower Upper
73 100
43 17.0 15.9 23.9
57 20.1 10.5 15.7#



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

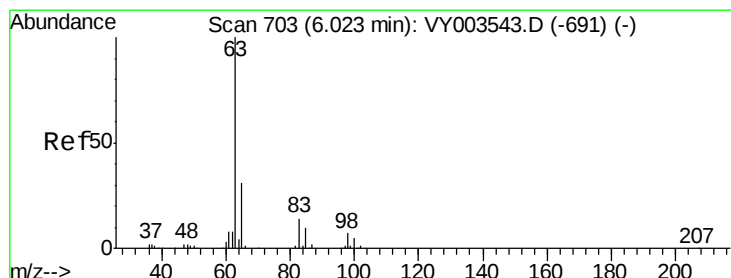
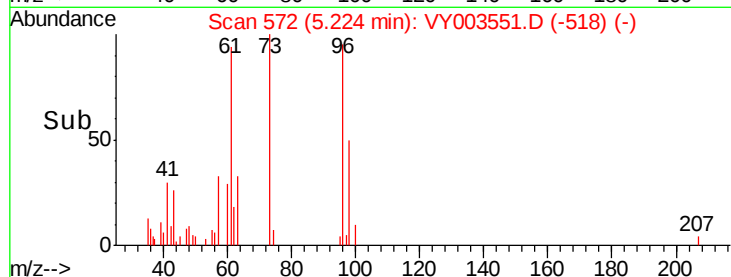
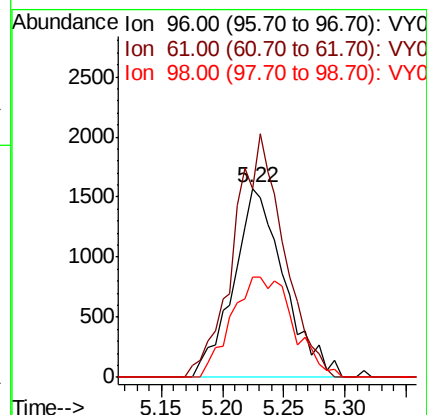
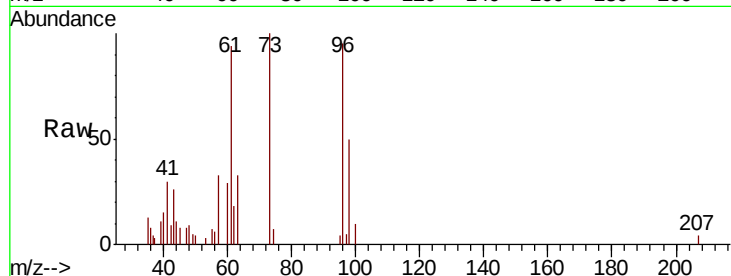




#18
trans-1,2-Dichloroethene
Concen: 1.294 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

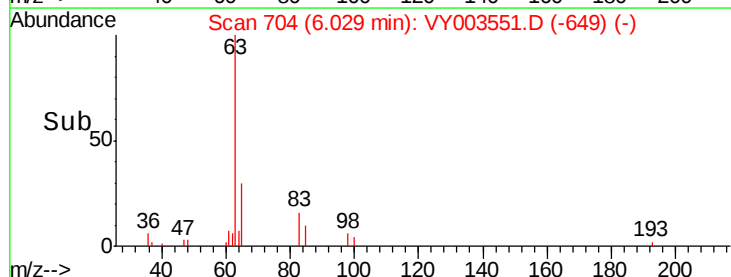
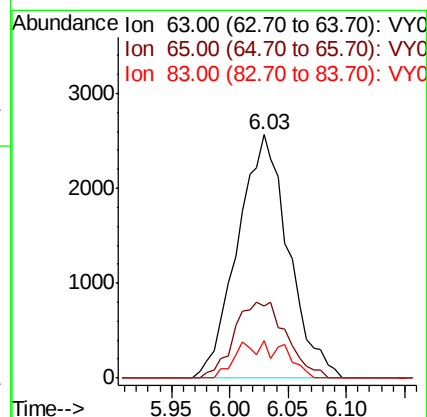
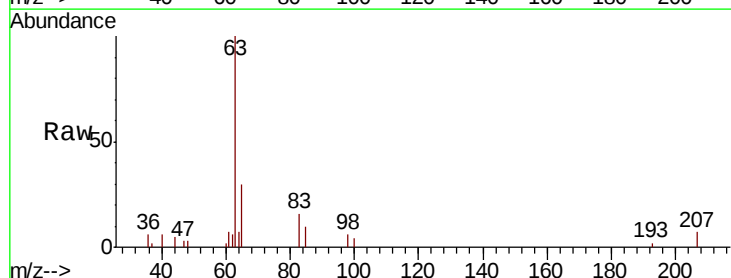
Instrument :
MSVOA_Y
ClientSampled :
MDL04

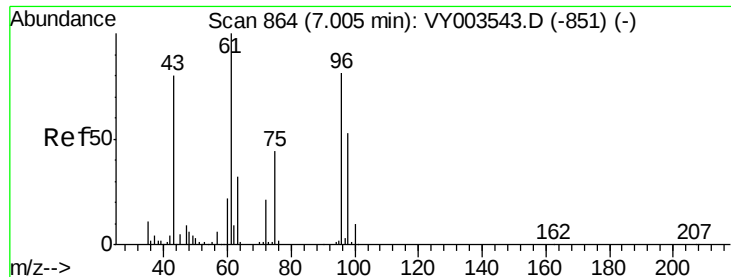
Tot Ion: 96 Resp: 4534
Ion Ratio Lower Upper
96 100
61 99.4 90.8 168.6
98 52.9 46.8 87.0



#19
1,1-Dichloroethane
Concen: 1.315 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 63 Resp: 7781
Ion Ratio Lower Upper
63 100
65 29.8 22.0 40.8
83 15.7 9.9 18.5





#21

2-Butanone

Concen: 3.387 ug/L

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

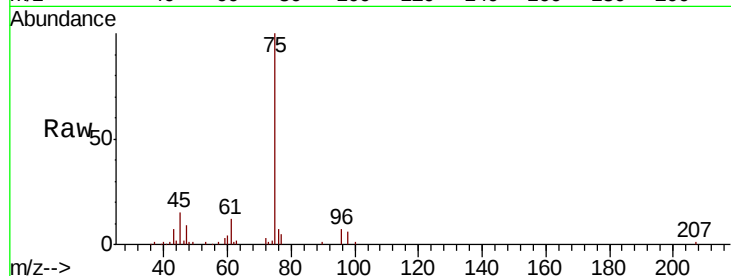
MDL04

Tot Ion: 43 Resp: 5462

Ion Ratio Lower Upper

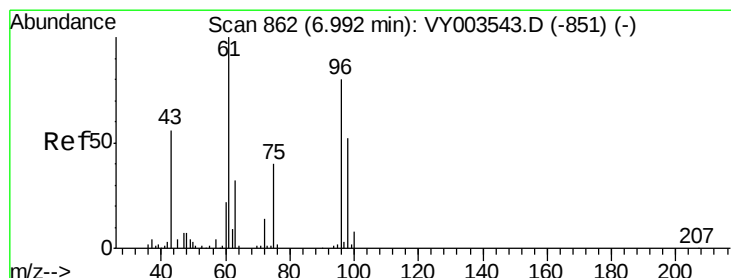
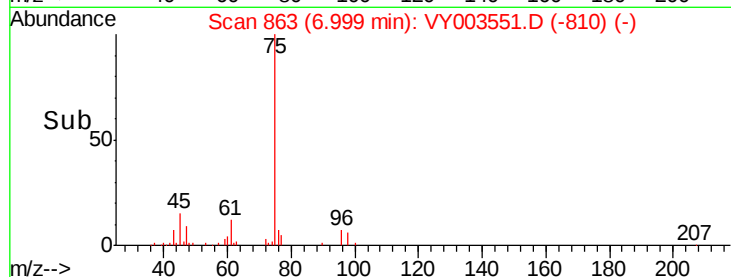
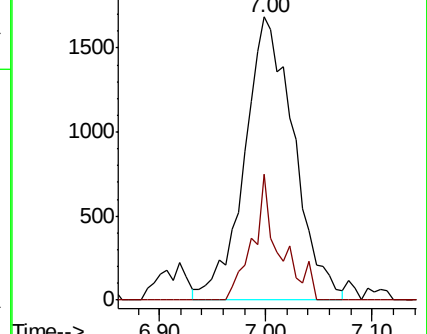
43 100

72 18.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#22

cis-1,2-Dichloroethene

Concen: 1.348 ug/L

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

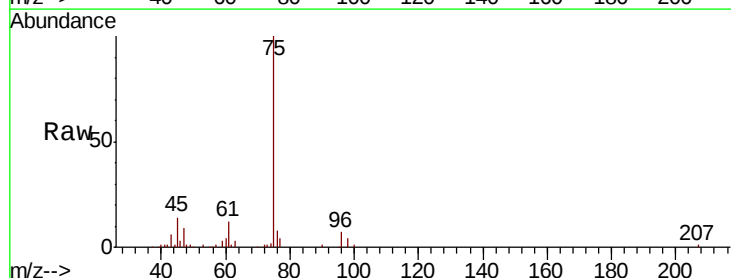
Tgt Ion: 96 Resp: 4851

Ion Ratio Lower Upper

96 100

61 165.5 88.1 163.5#

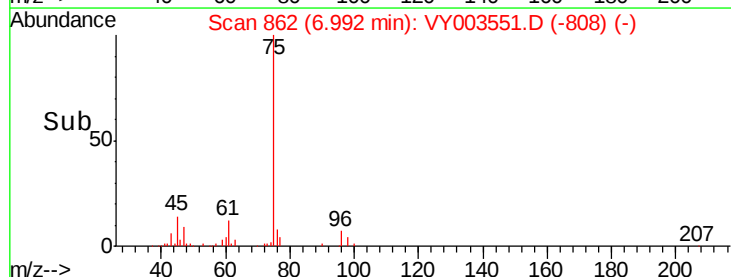
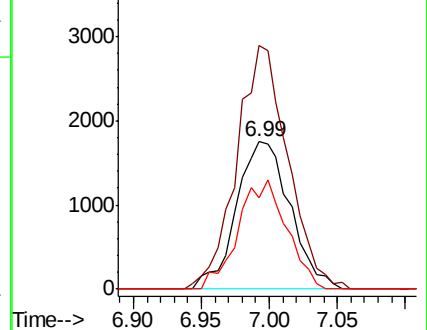
98 62.1 45.6 84.6

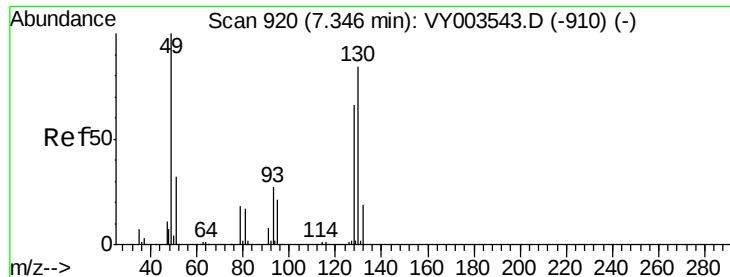


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#23

Bromochloromethane

Concen: 1.247 ug/L

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion:128 Resp: 2172

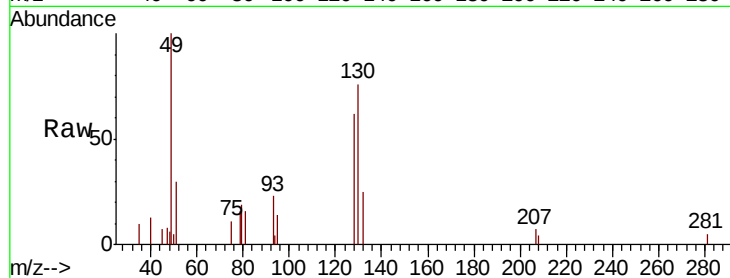
Ion Ratio Lower Upper

128 100

49 160.9 107.3 199.3

130 122.6 89.3 165.9

51 48.3 38.8 58.2

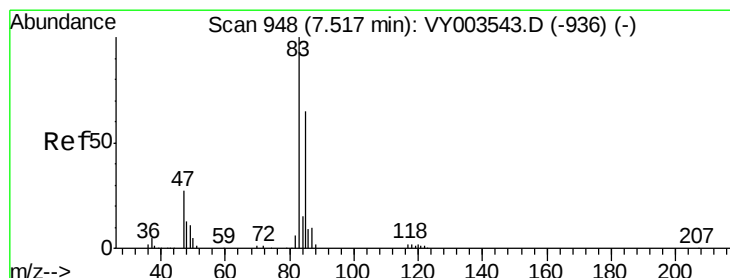
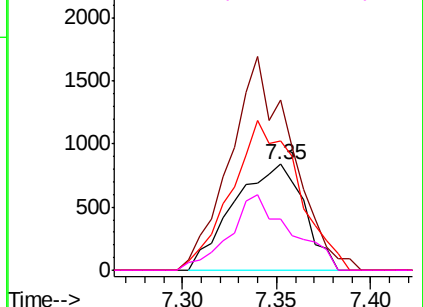
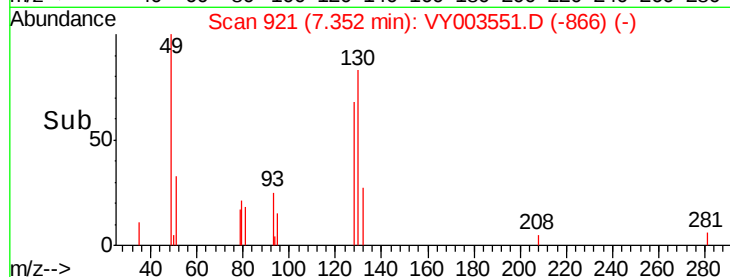


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0



#25

Chloroform

Concen: 1.402 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003551.D

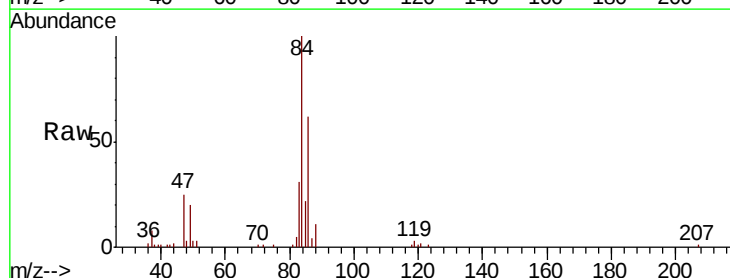
Acq: 19 Nov 2020 16:33

Tgt Ion: 83 Resp: 8248

Ion Ratio Lower Upper

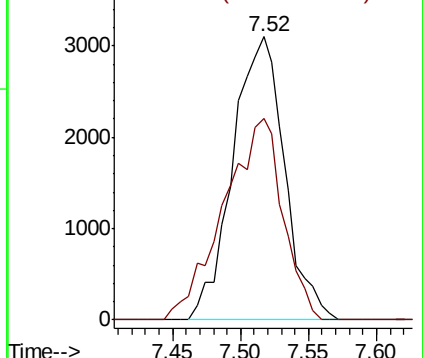
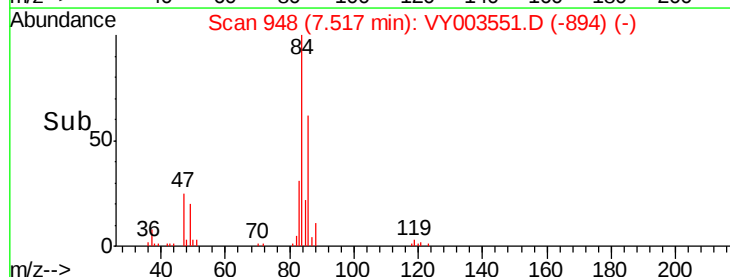
83 100

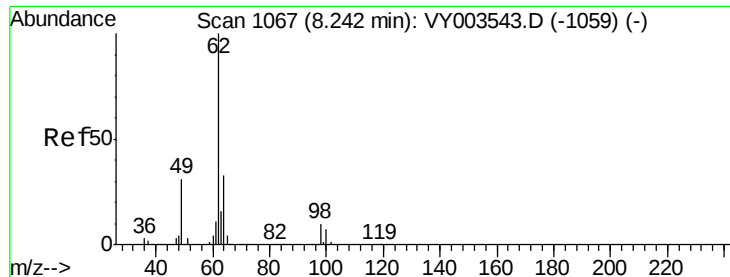
85 81.1 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

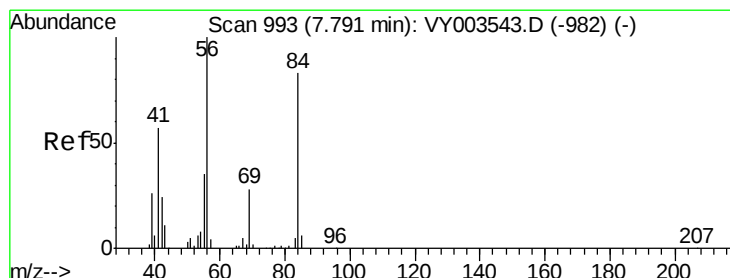
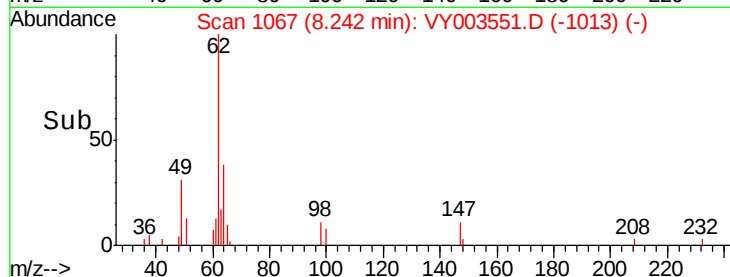
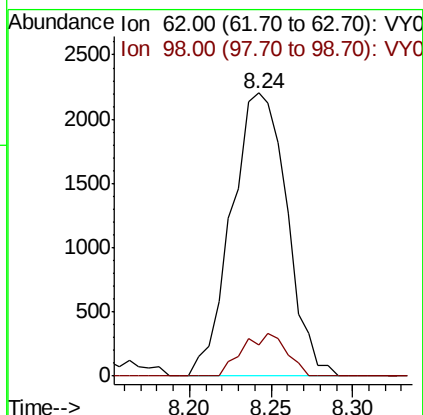
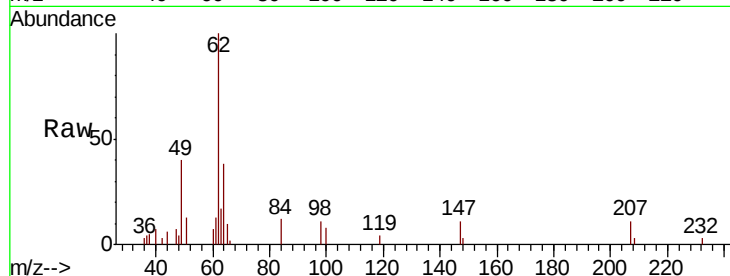




#27
 1,2-Dichloroethane
 Concen: 1.307 ug/L
 RT: 8.24 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

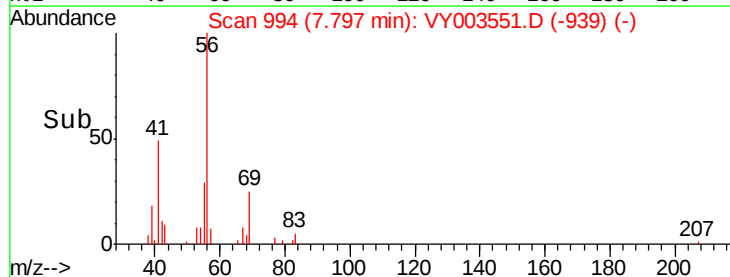
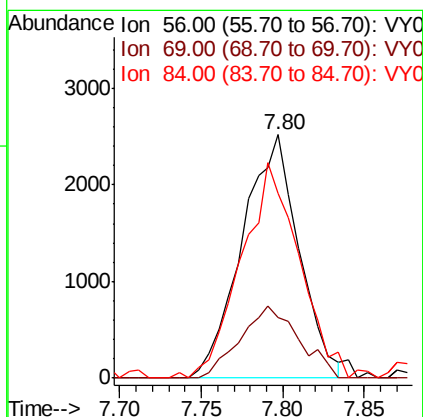
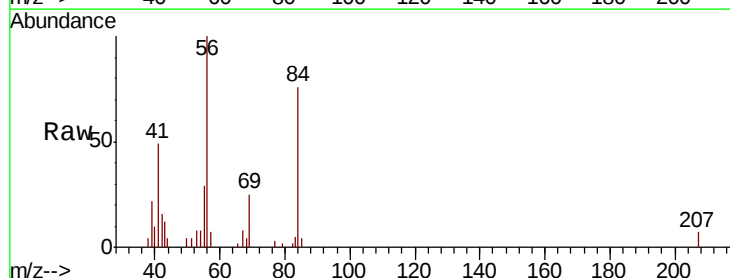
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

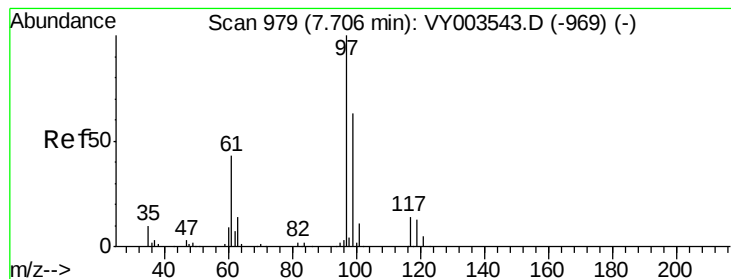
Tot Ion: 62 Resp: 5193
 Ion Ratio Lower Upper
 62 100
 98 11.1 7.7 11.5



#30
 Cyclohexane
 Concen: 1.154 ug/L
 RT: 7.80 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion: 56 Resp: 6061
 Ion Ratio Lower Upper
 56 100
 69 30.7 23.3 34.9
 84 89.8 69.9 104.9





#31

1,1,1-Trichloroethane

Concen: 1.228 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

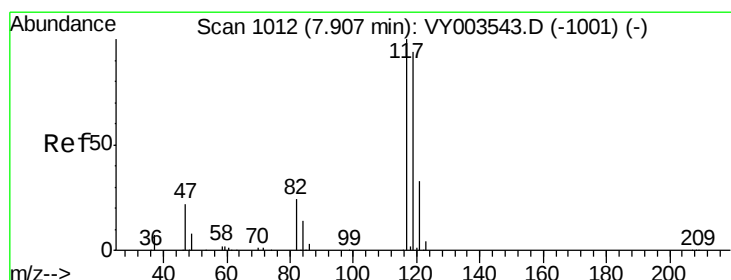
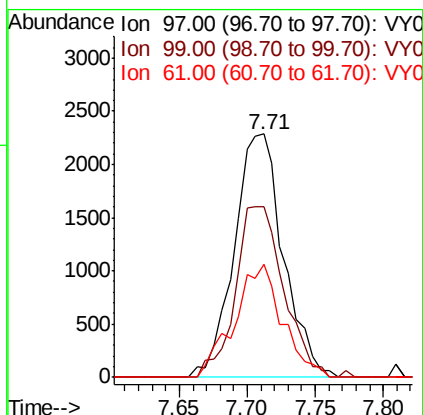
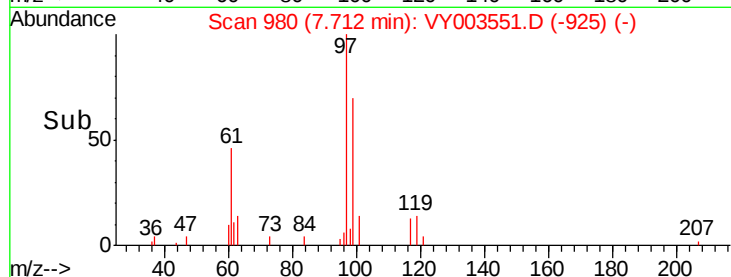
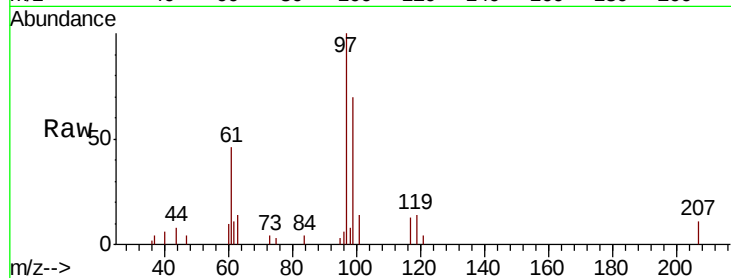
Tot Ion: 97 Resp: 5773

Ion Ratio Lower Upper

97 100

99 69.1 52.1 78.1

61 45.3 34.9 52.3



#32

Carbon tetrachloride

Concen: 1.197 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY003551.D

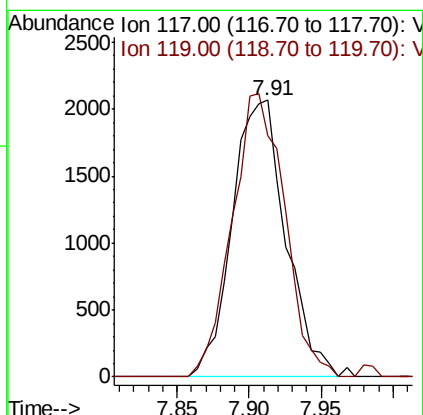
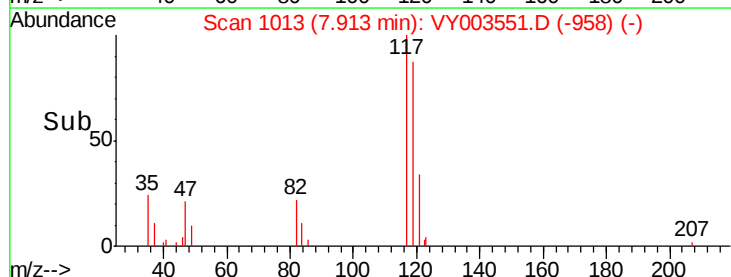
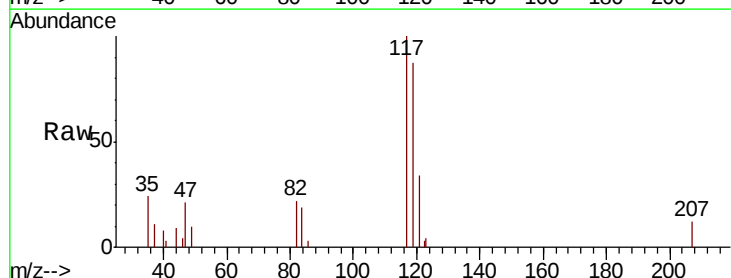
Acq: 19 Nov 2020 16:33

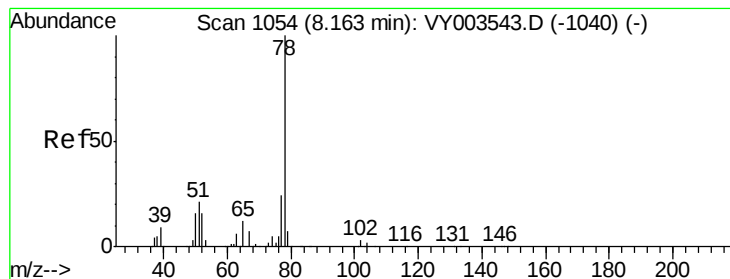
Tgt Ion: 117 Resp: 5347

Ion Ratio Lower Upper

117 100

119 100.1 76.2 114.4





#34

Benzene

Concen: 1.298 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

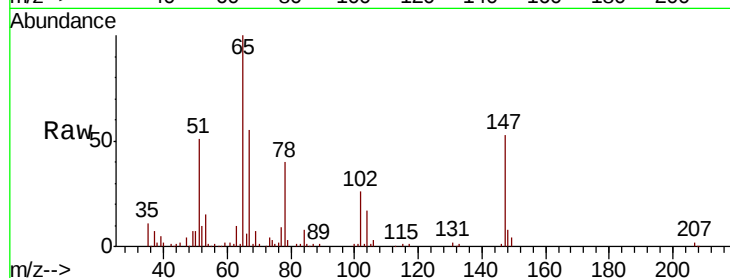
Instrument :

MSVOA_Y

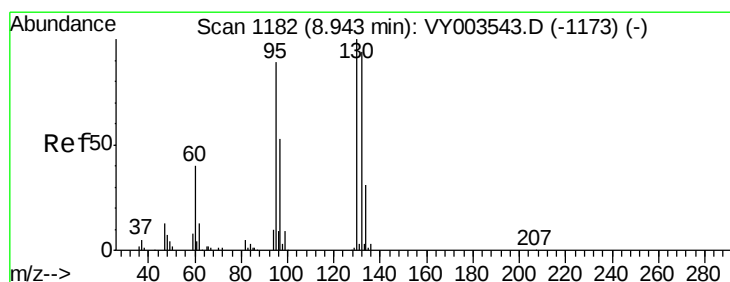
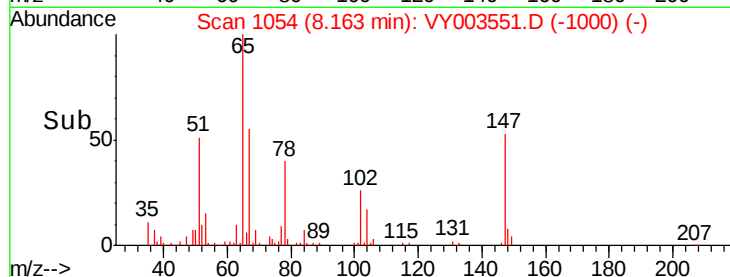
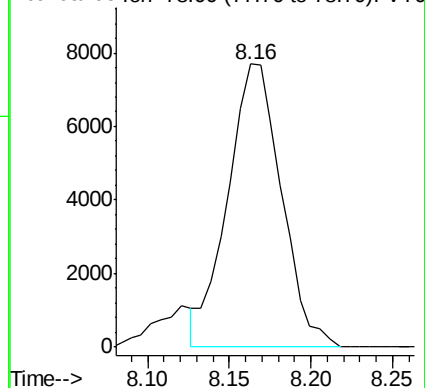
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 17682



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.317 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Tgt Ion: 95 Resp: 4546

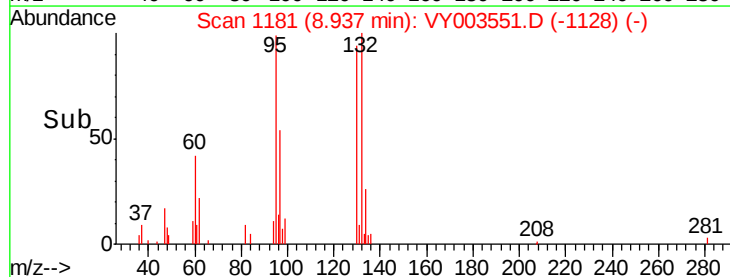
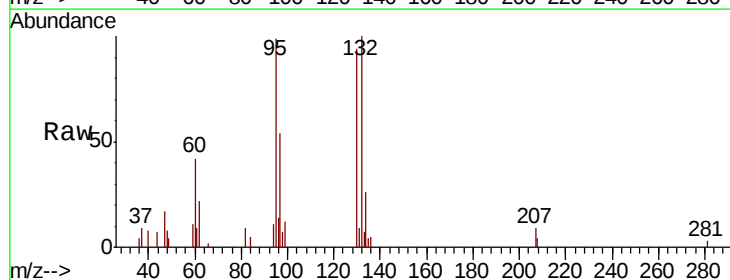
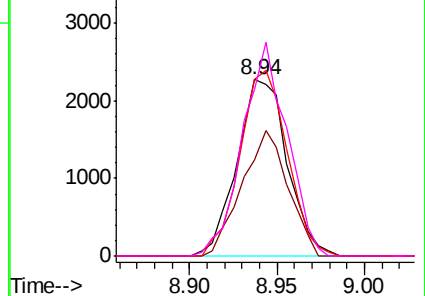
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.5	82.7
132	99.5	73.1	135.7
130	107.2	76.1	141.3

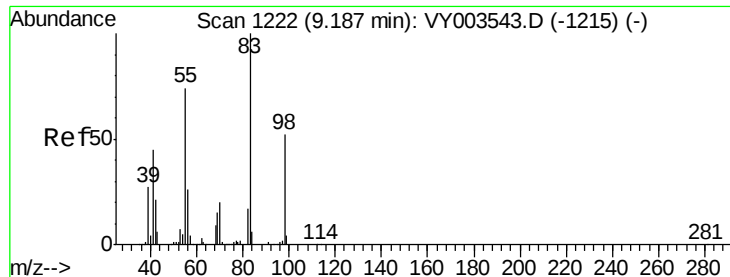
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

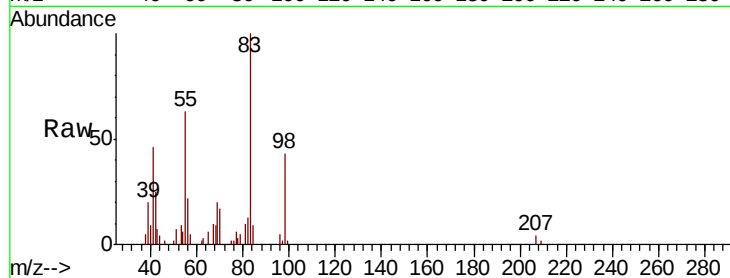




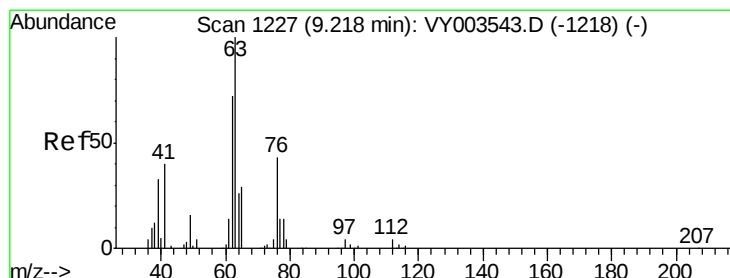
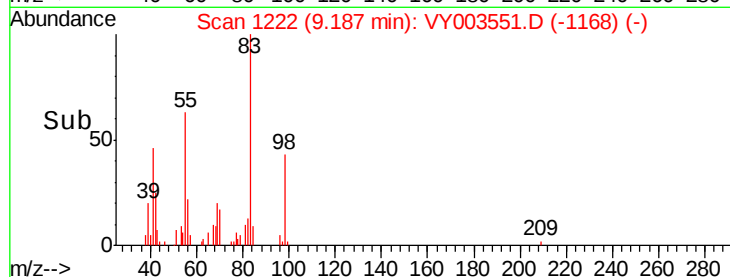
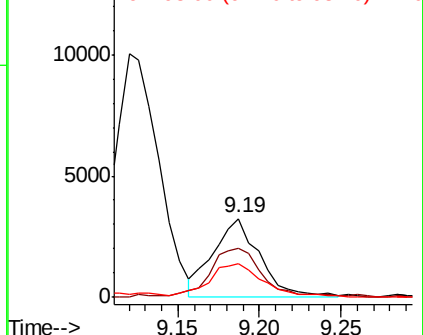
#36
Methylcyclohexane
Concen: 1.208 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion: 83 Resp: 6519
Ion Ratio Lower Upper
83 100
55 66.9 60.8 91.2
98 49.4 40.6 61.0

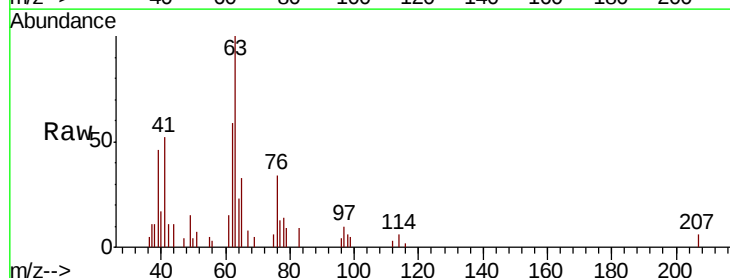


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

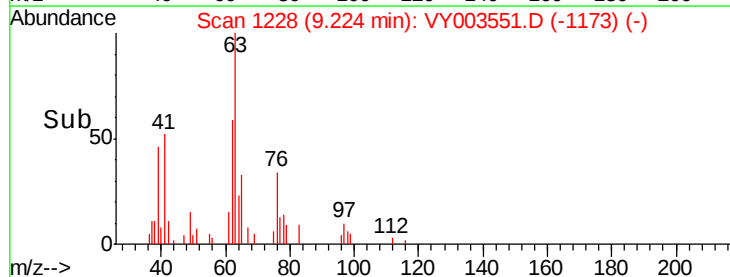
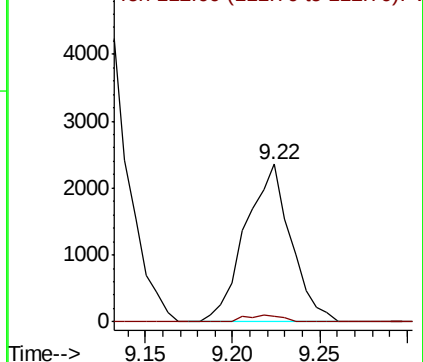


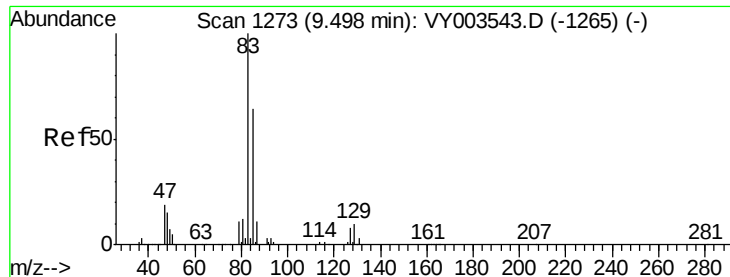
#40
1,2-Dichloropropane
Concen: 1.275 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 63 Resp: 4285
Ion Ratio Lower Upper
63 100
112 3.5 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: 1.258 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

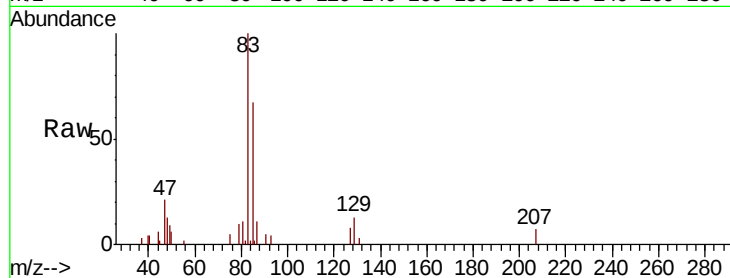
Tot Ion: 83 Resp: 5396

Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.7

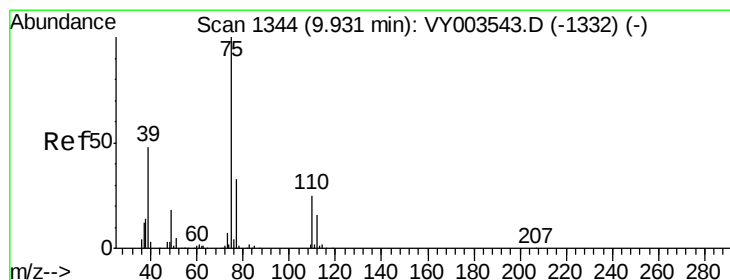
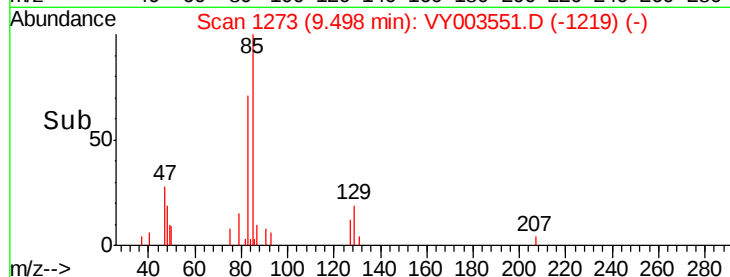
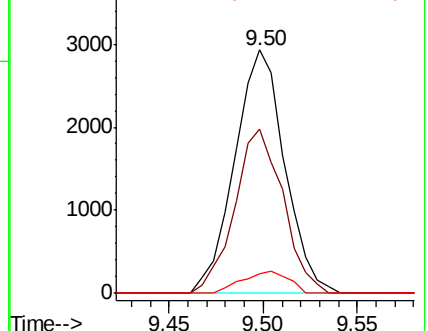
127 8.3 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VY003551.D (-1219) (-)

Ion 85.00 (84.70 to 85.70): VY003551.D (-1219) (-)

Ion 127.00 (126.70 to 127.70): VY003551.D (-1219) (-)



#42

cis-1,3-Dichloropropene

Concen: 1.250 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003551.D

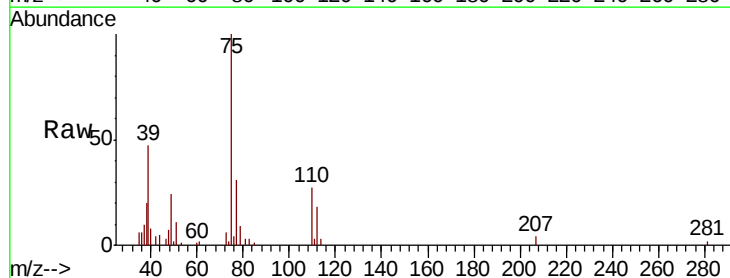
Acq: 19 Nov 2020 16:33

Tgt Ion: 75 Resp: 6625

Ion Ratio Lower Upper

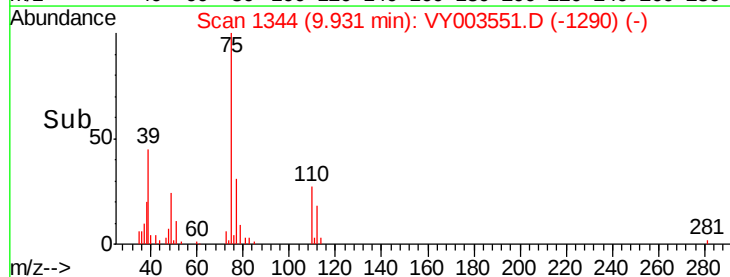
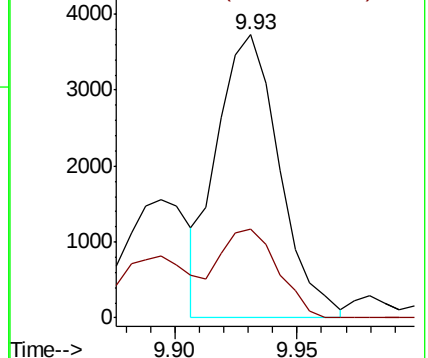
75 100

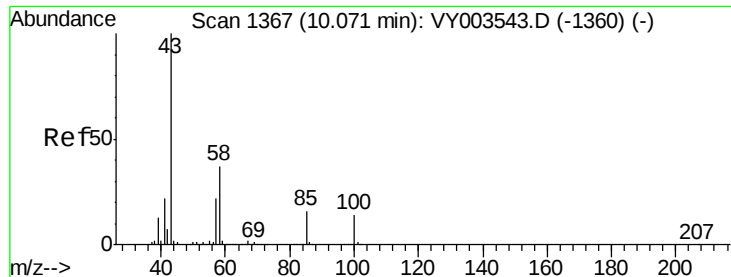
77 31.4 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY003551.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VY003551.D (-1290) (-)

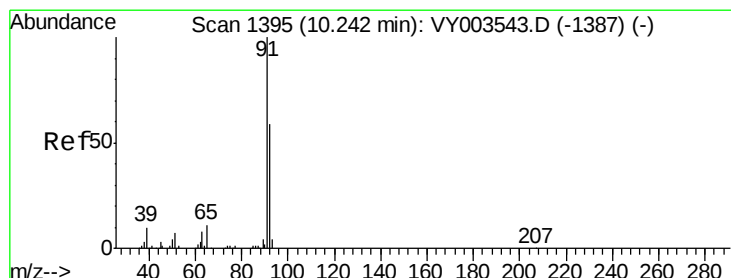
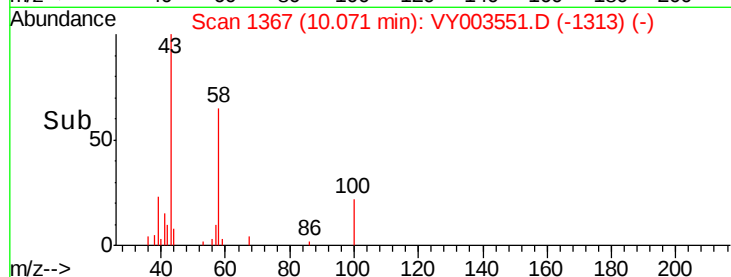
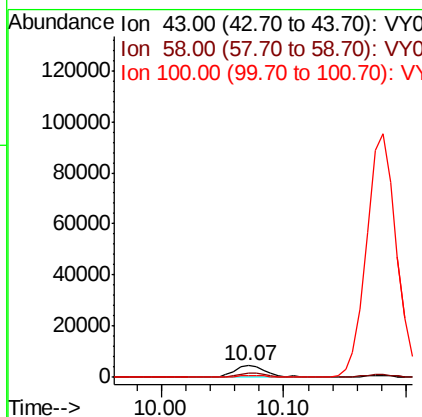
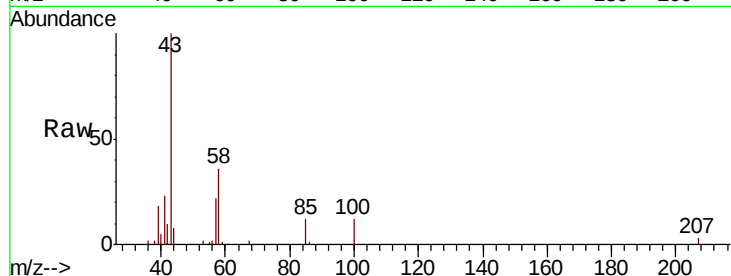




#43
4-Methyl-2-pentanone
Concen: 3.053 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

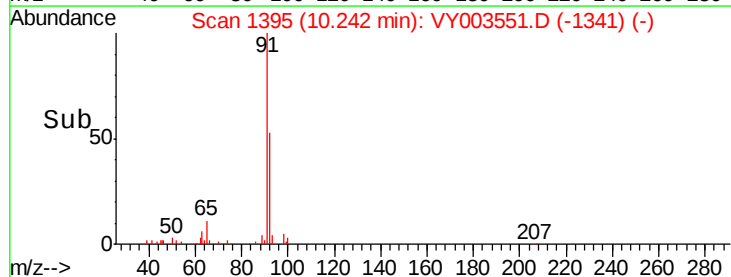
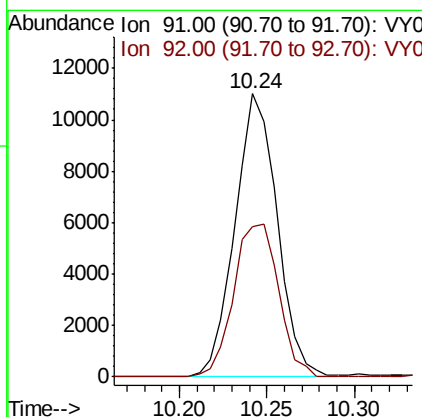
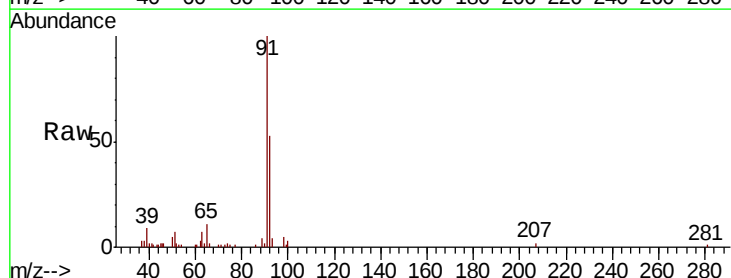
Instrument :
MSVOA_Y
ClientSampled :
MDL04

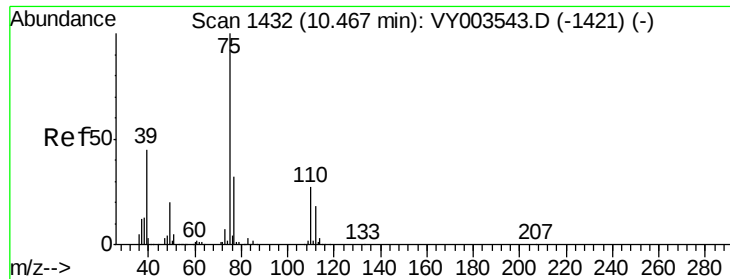
Tot Ion: 43 Resp: 8584
Ion Ratio Lower Upper
43 100
58 33.5 30.2 45.2
100 13.4 11.7 17.5



#44
Toluene
Concen: 1.293 ug/L
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 91 Resp: 18571
Ion Ratio Lower Upper
91 100
92 53.1 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 1.658 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

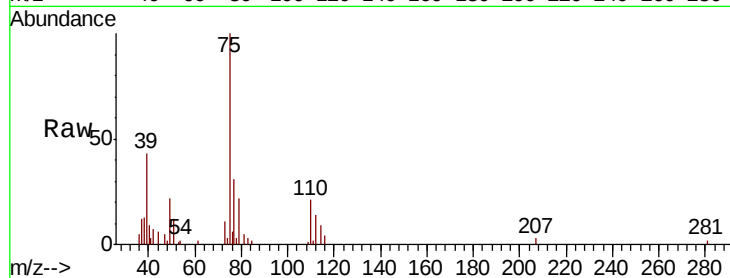
MDL04

Tot Ion: 75 Resp: 8093

Ion Ratio Lower Upper

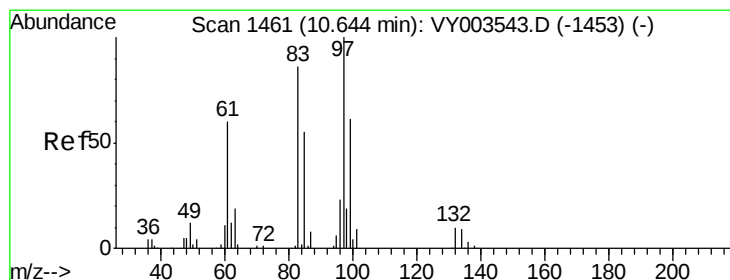
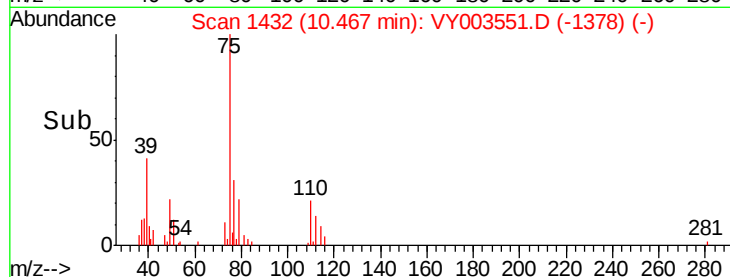
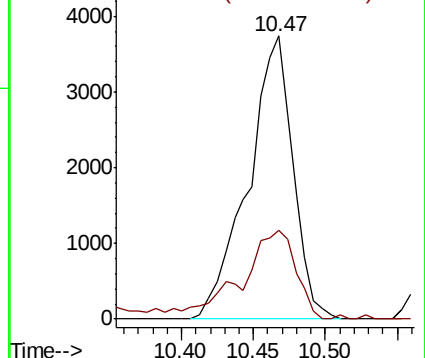
75 100

77 31.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#46

1,1,2-Trichloroethane

Concen: 1.347 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Tgt Ion: 97 Resp: 3615

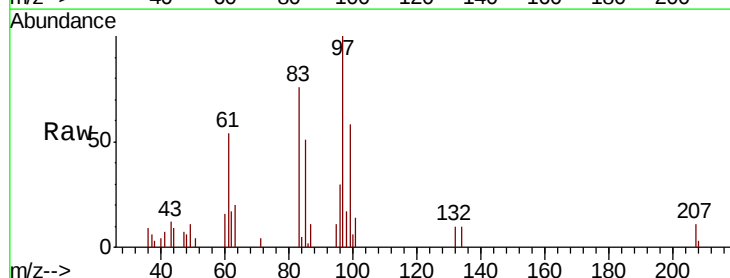
Ion Ratio Lower Upper

97 100

83 75.7 60.1 111.5

85 51.1 38.9 72.2

99 57.6 43.0 80.0

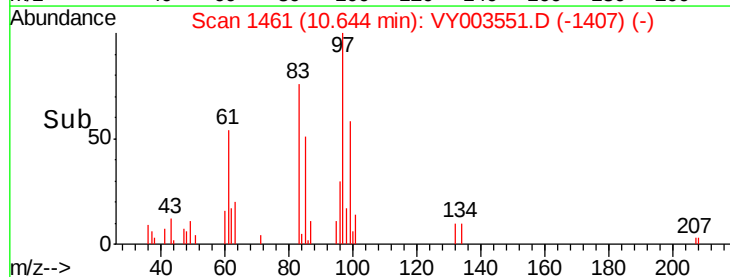
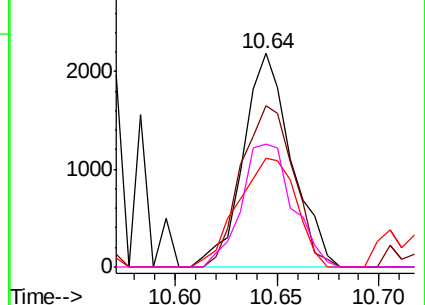


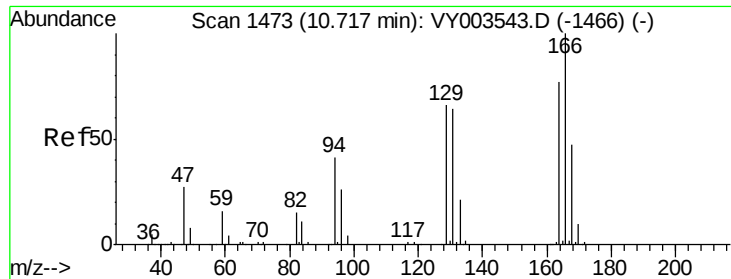
Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

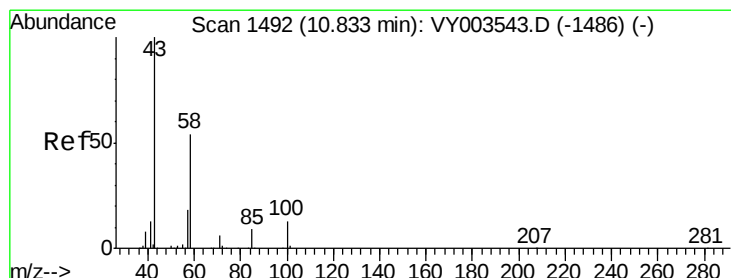
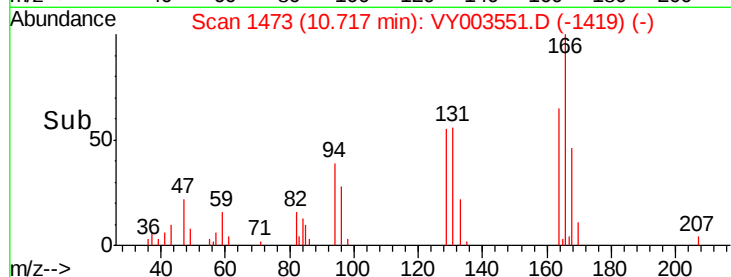
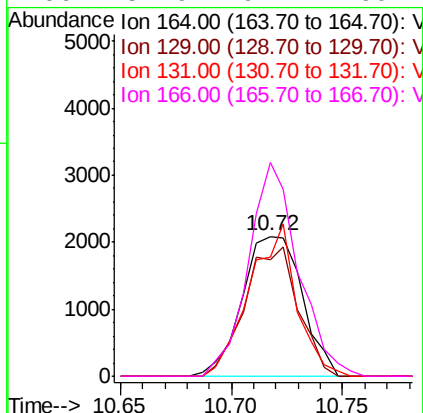
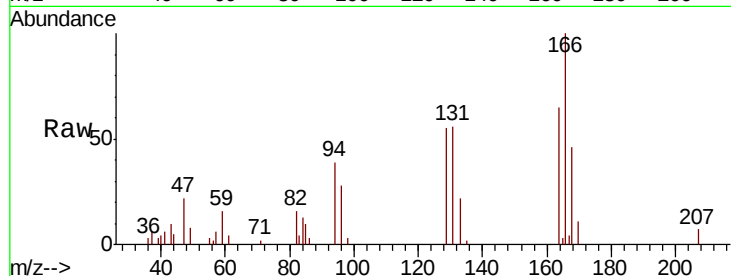




#47
Tetrachloroethene
Concen: 1.302 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

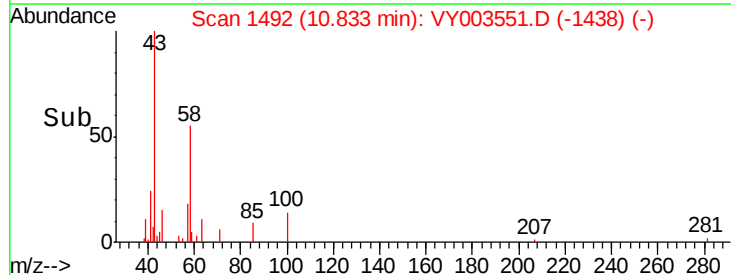
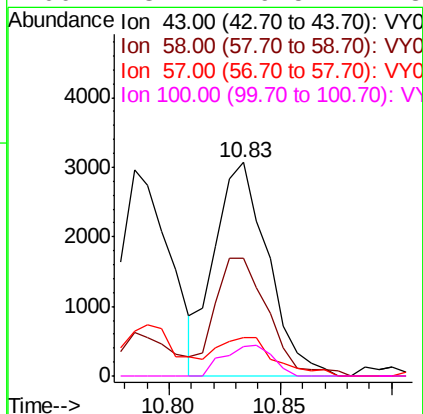
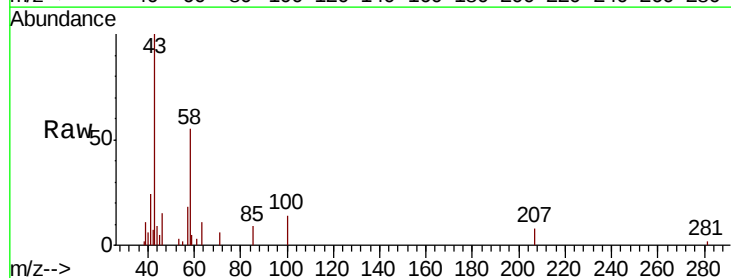
Instrument :
MSVOA_Y
ClientSampleId :
MDL04

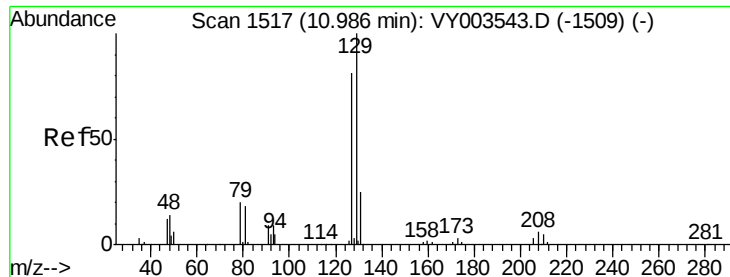
Tot Ion:164 Resp: 3906
Ion Ratio Lower Upper
164 100
129 83.5 60.6 112.6
131 85.3 58.7 109.1
166 152.9 91.2 169.4



#49
2-Hexanone
Concen: 2.302 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 43 Resp: 5112
Ion Ratio Lower Upper
43 100
58 54.0 42.1 63.1
57 18.5 14.2 21.2
100 13.2 9.5 14.3





#50

Dibromochloromethane

Concen: 1.230 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

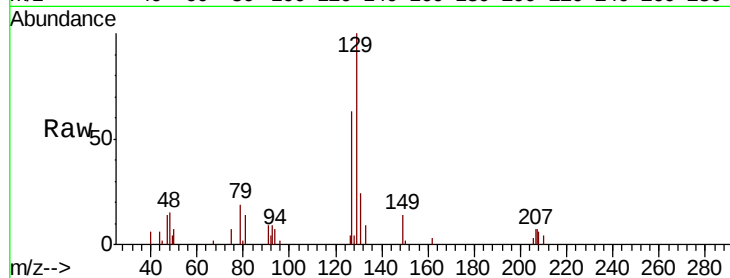
MDL04

Tot Ion:129 Resp: 3983

Ion Ratio Lower Upper

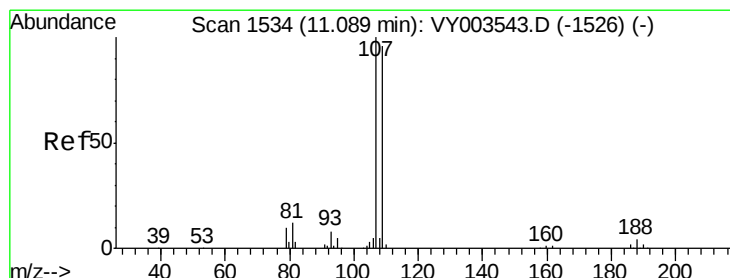
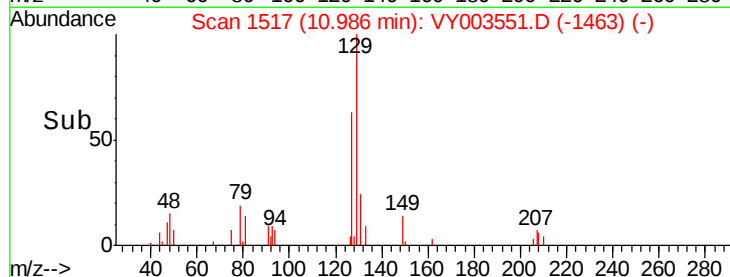
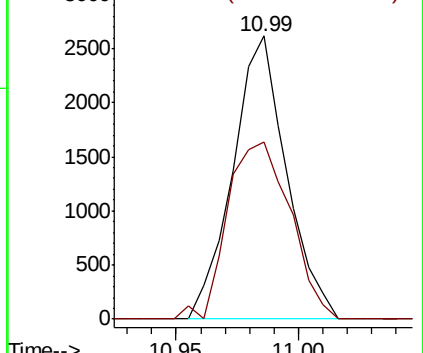
129 100

127 62.8 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: 1.317 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

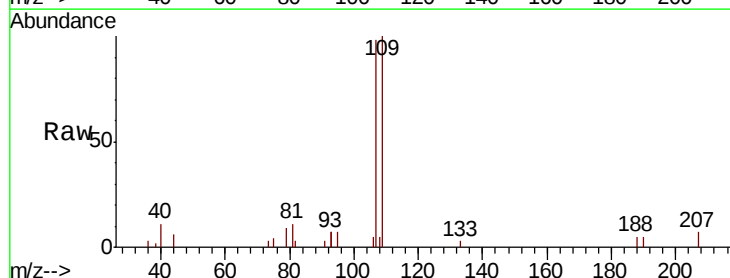
Tgt Ion:107 Resp: 3525

Ion Ratio Lower Upper

107 100

109 101.7 66.8 124.2

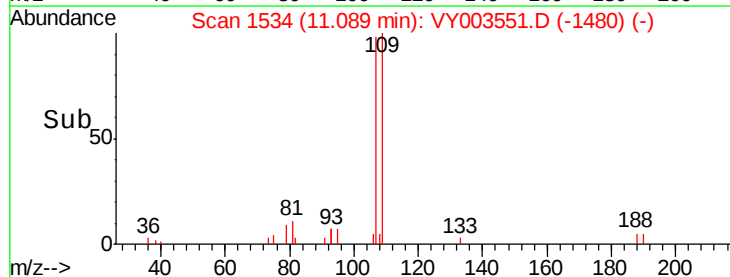
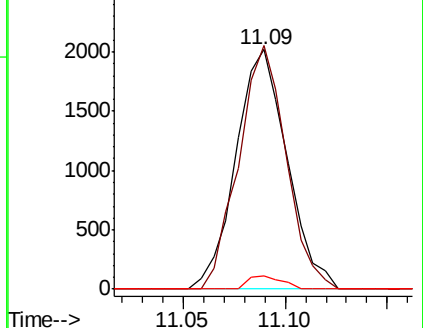
188 5.5 3.3 4.9#

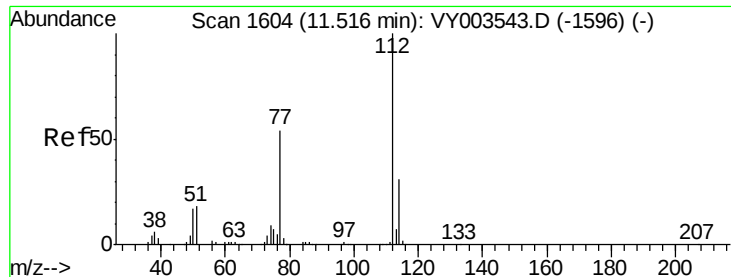


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.309 ug/L

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

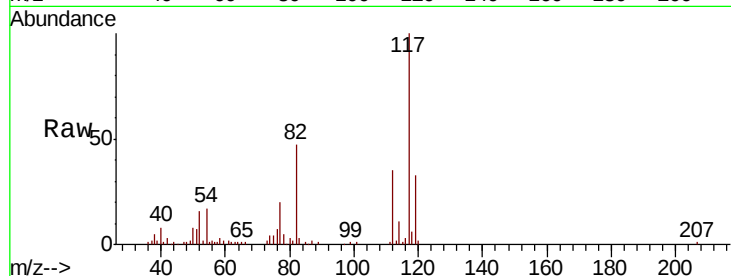
Tot Ion:112 Resp: 12011

Ion Ratio Lower Upper

112 100

77 56.6 43.3 64.9

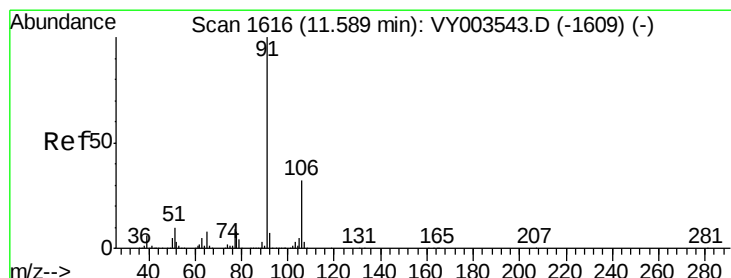
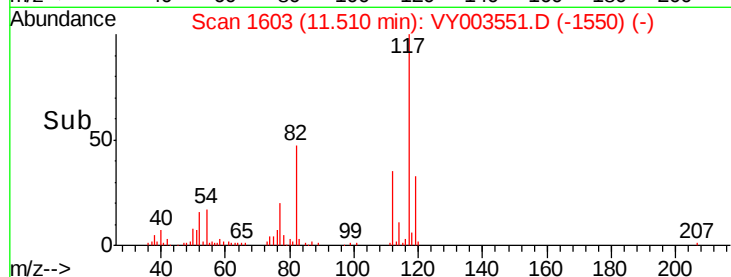
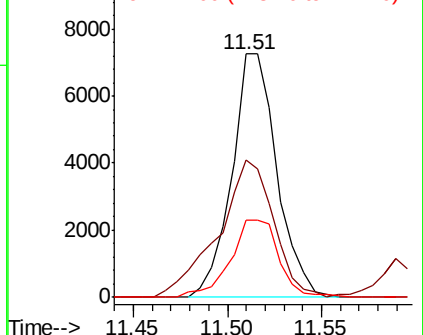
114 31.6 21.9 40.7



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: 1.129 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003551.D

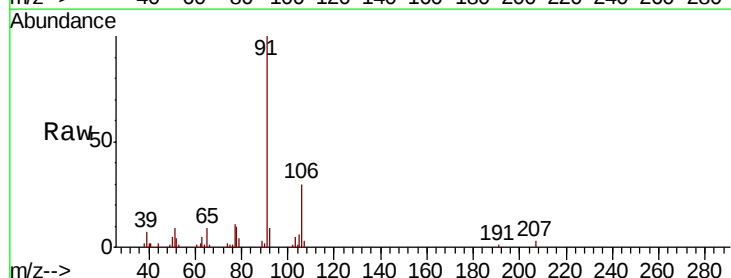
Acq: 19 Nov 2020 16:33

Tgt Ion: 91 Resp: 16661

Ion Ratio Lower Upper

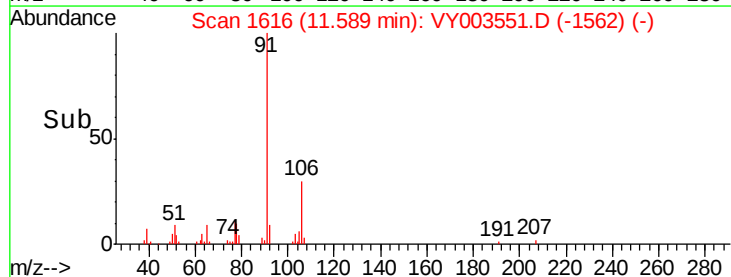
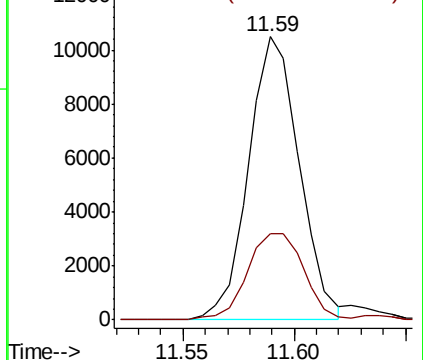
91 100

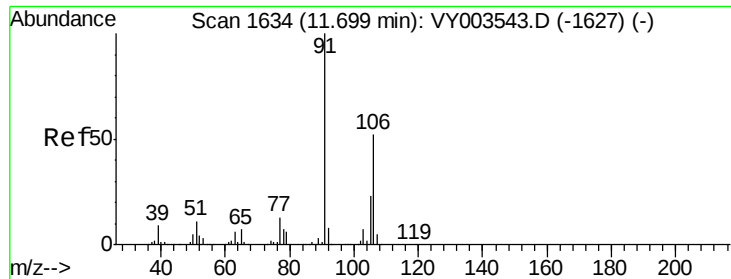
106 30.3 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.198 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampled :

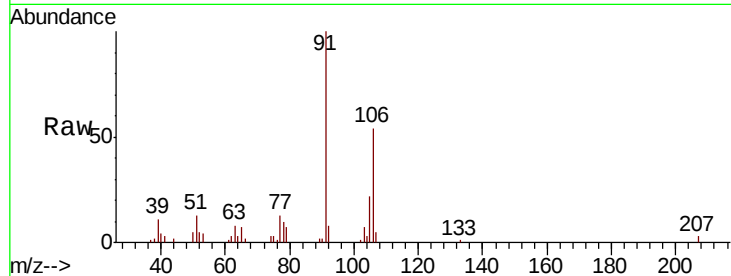
MDL04

Tot Ion:106 Resp: 6801

Ion Ratio Lower Upper

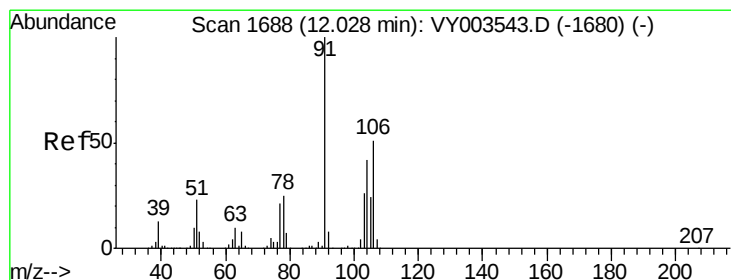
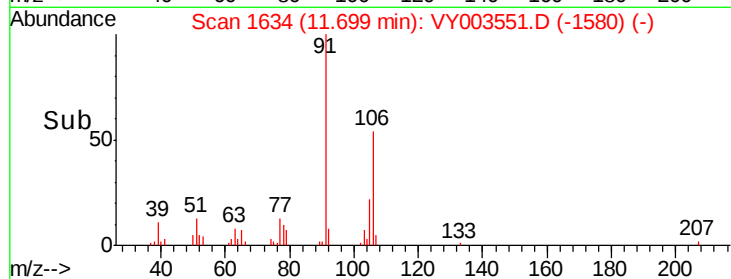
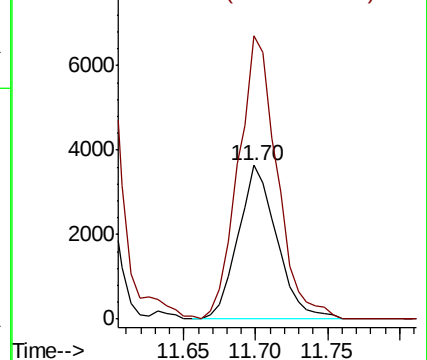
106 100

91 184.4 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 1.130 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003551.D

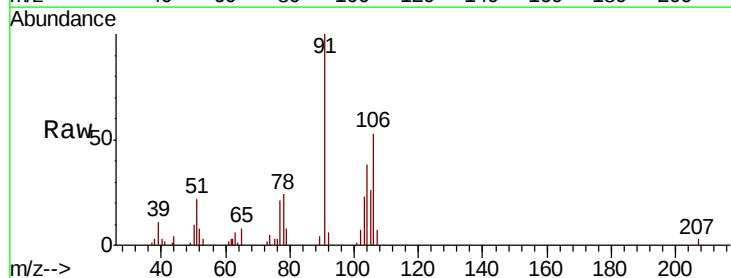
Acq: 19 Nov 2020 16:33

Tgt Ion:106 Resp: 5357

Ion Ratio Lower Upper

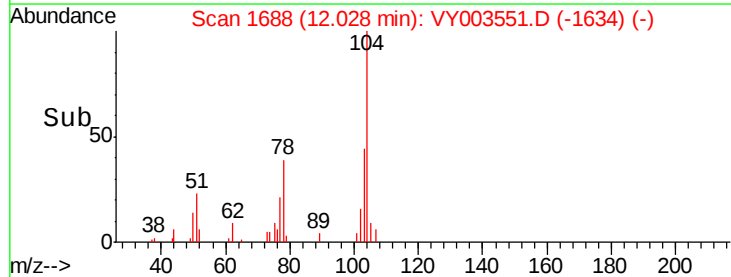
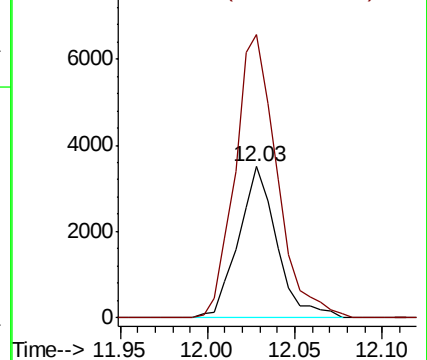
106 100

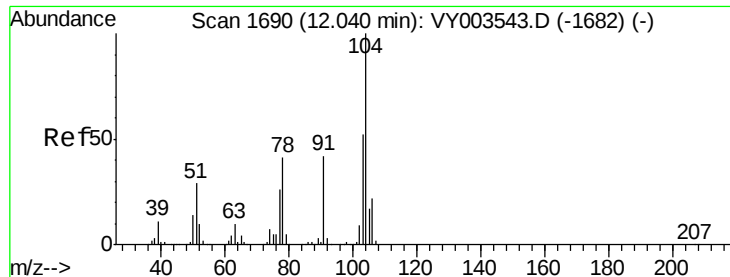
91 187.3 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Stvrene

Concen: 1.070 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampled :

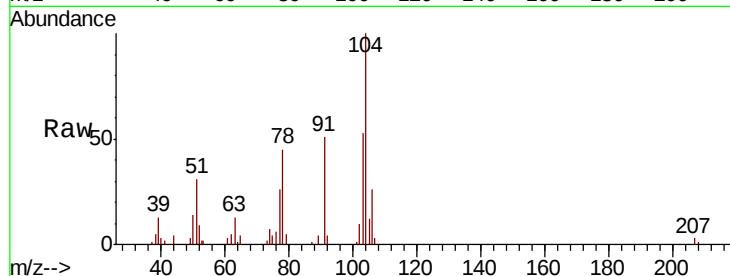
MDL04

Tot Ion:104 Resp: 9937

Ion Ratio Lower Upper

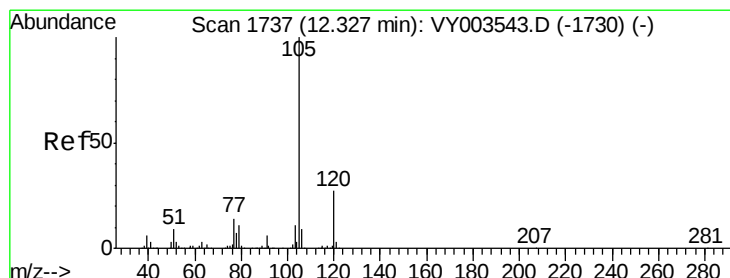
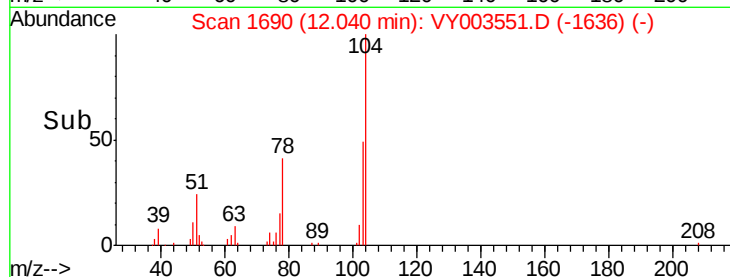
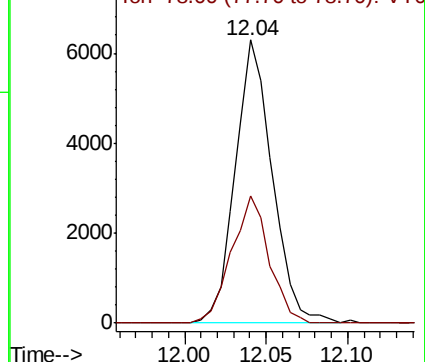
104 100

78 45.2 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: 1.062 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

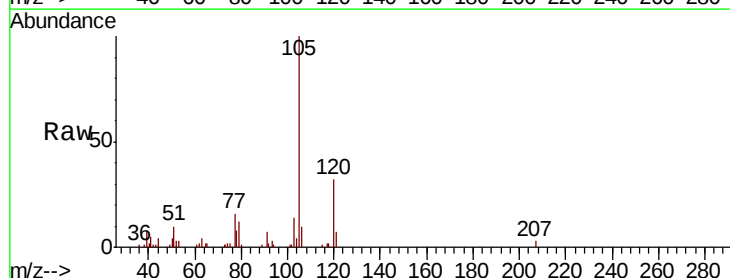
Tgt Ion:105 Resp: 11397

Ion Ratio Lower Upper

105 100

120 30.7 21.7 32.5

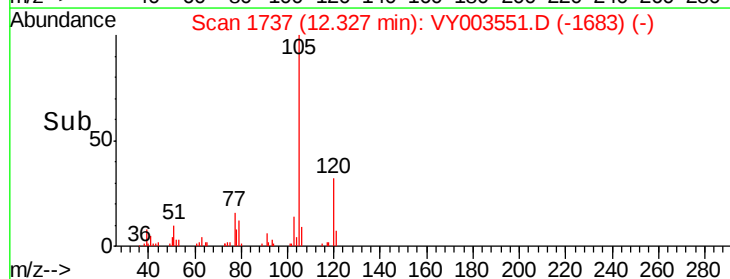
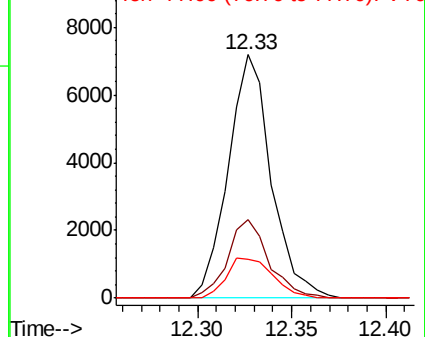
77 17.8 12.1 18.1

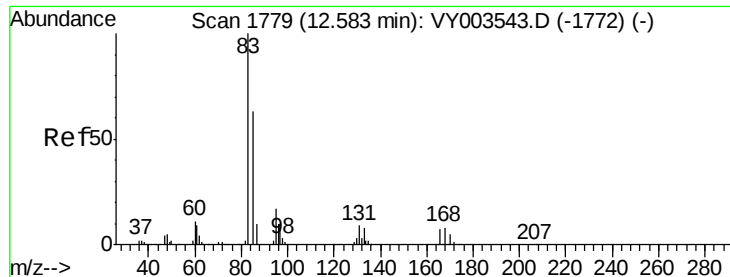


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.264 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

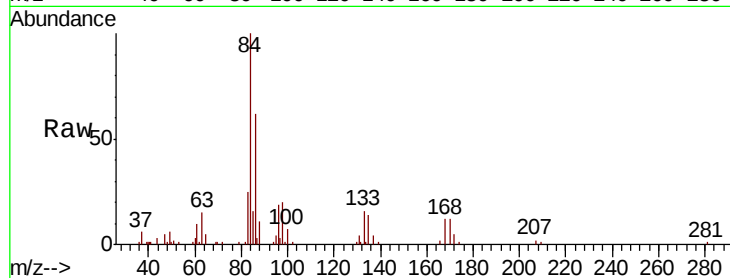
Tot Ion: 83 Resp: 4002

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

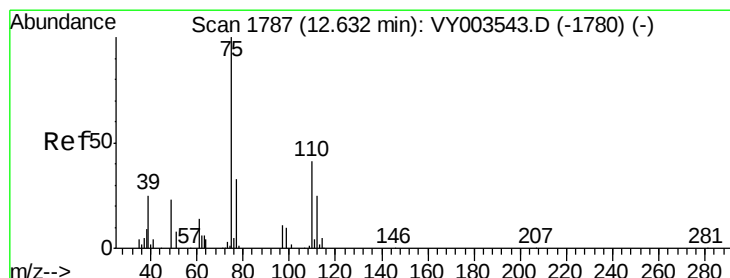
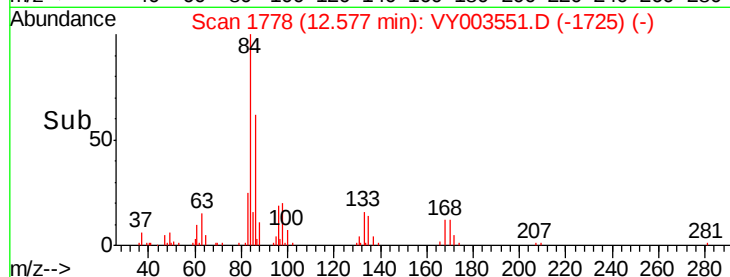
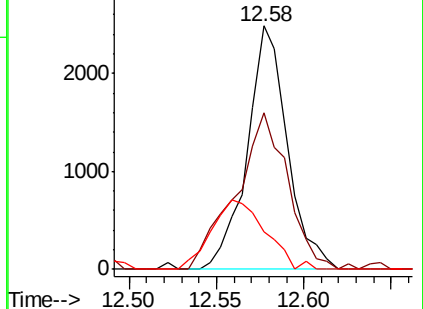
131 19.3 7.3 10.9#



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: 1.083 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003551.D

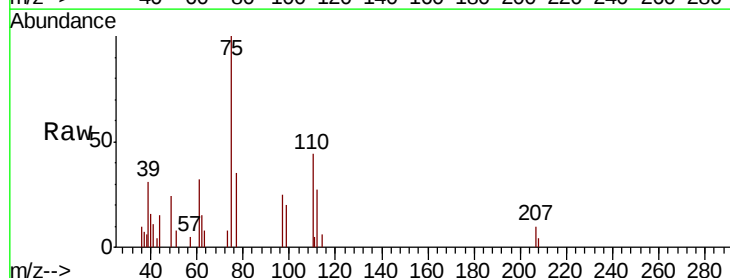
Acq: 19 Nov 2020 16:33

Tgt Ion: 75 Resp: 2671

Ion Ratio Lower Upper

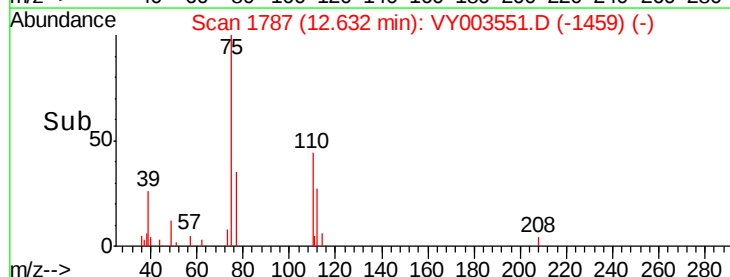
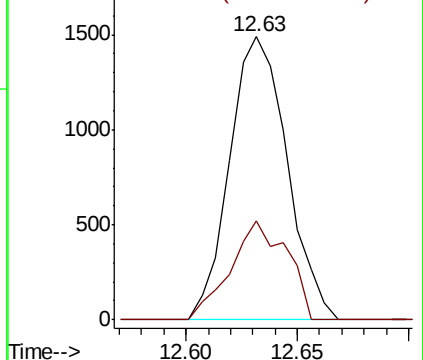
75 100

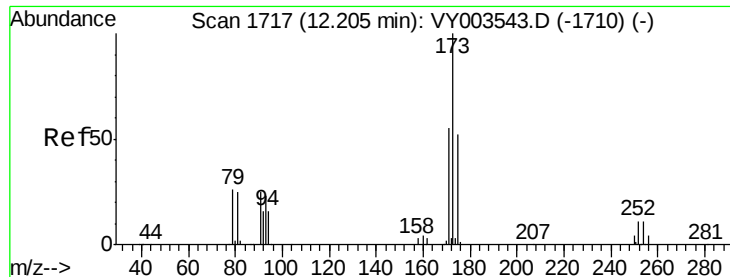
77 34.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#62

Bromoform

Concen: 1.335 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

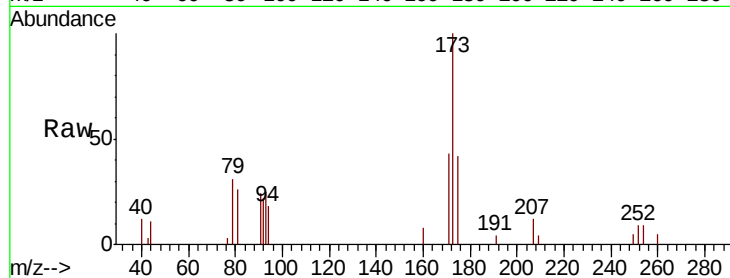
Tot Ion:173 Resp: 2725

Ion Ratio Lower Upper

173 100

175 43.9 39.5 59.3

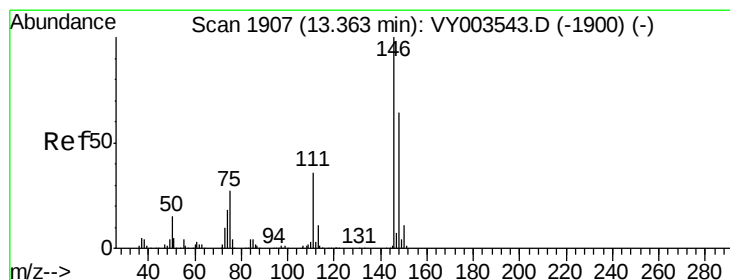
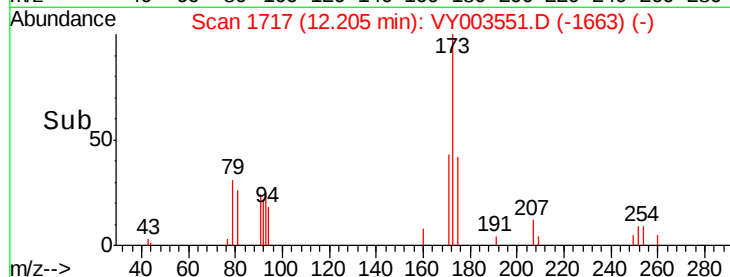
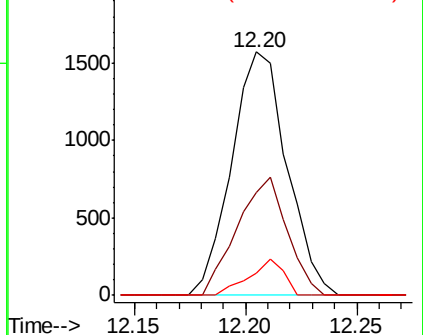
254 9.4 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 1.224 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

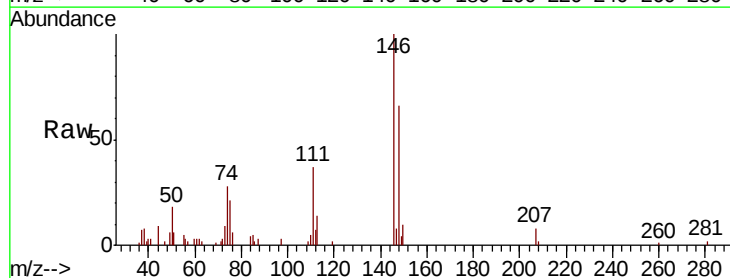
Tgt Ion:146 Resp: 7772

Ion Ratio Lower Upper

146 100

111 37.0 25.1 46.5

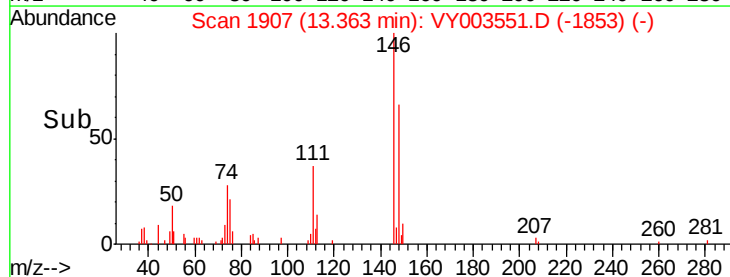
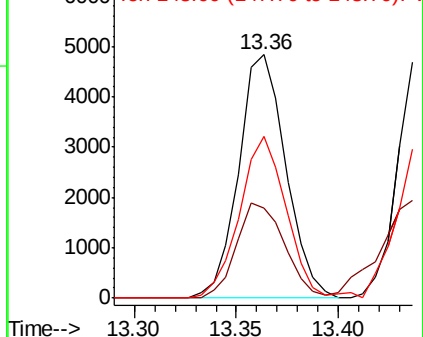
148 66.3 44.7 82.9

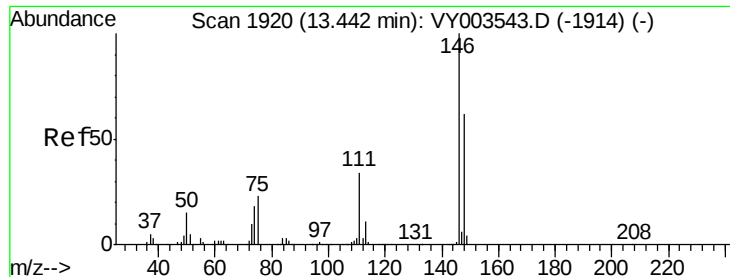


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.292 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

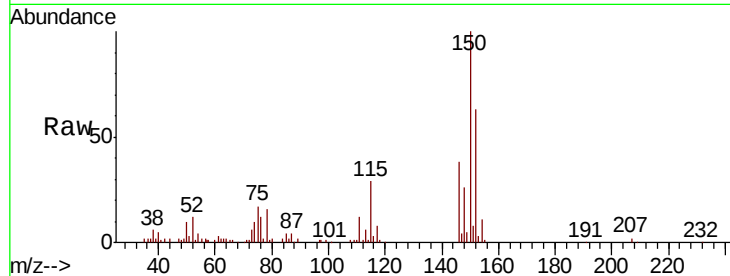
Tot Ion:146 Resp: 8446

Ion Ratio Lower Upper

146 100

111 30.8 24.1 44.8

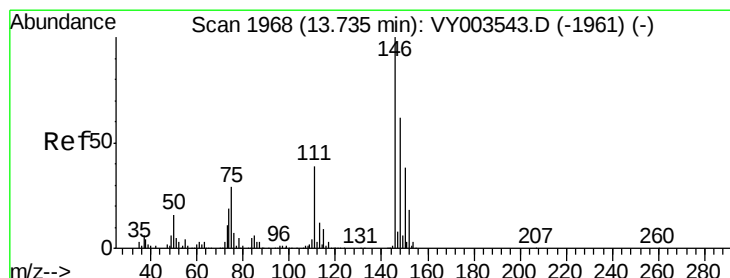
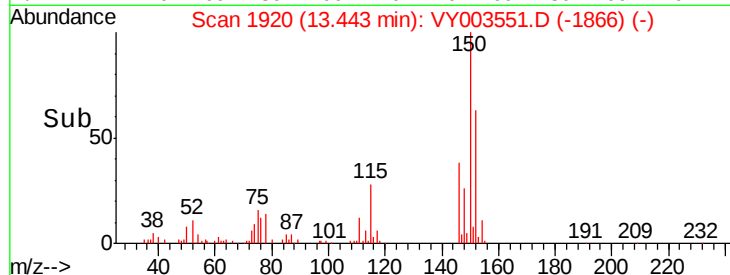
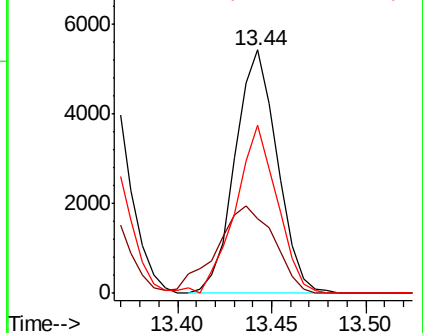
148 68.8 43.6 81.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.284 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

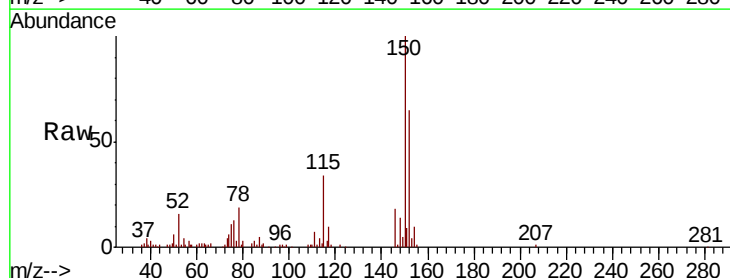
Tgt Ion:146 Resp: 6713

Ion Ratio Lower Upper

146 100

111 41.8 31.0 46.6

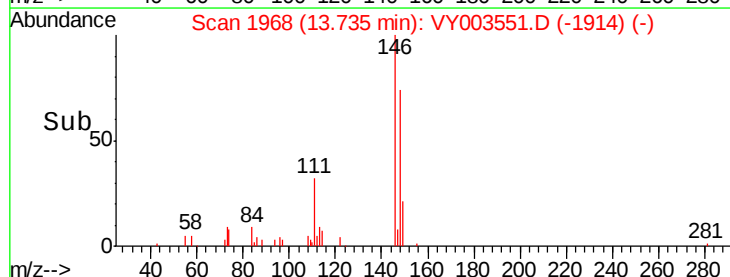
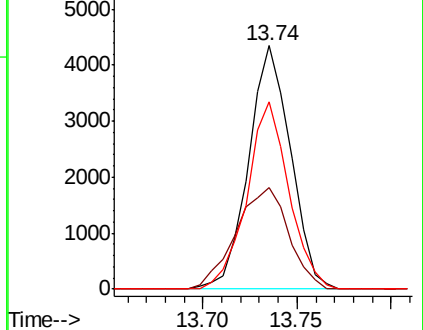
148 76.7 49.8 74.8#

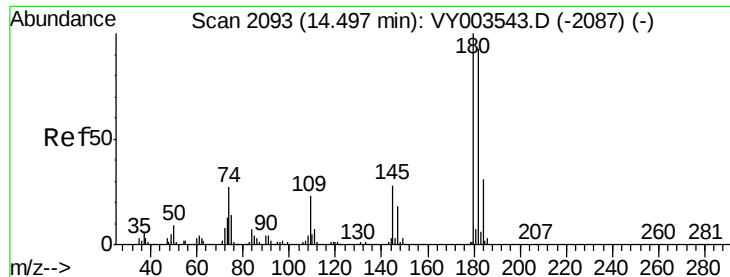


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

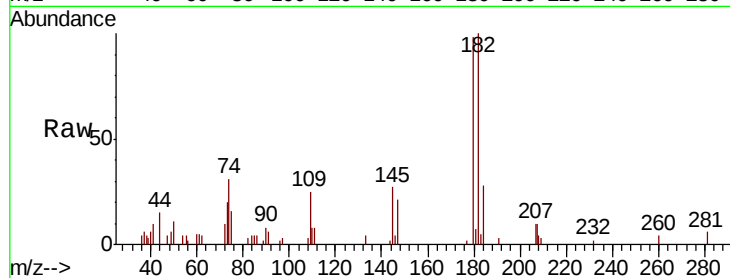




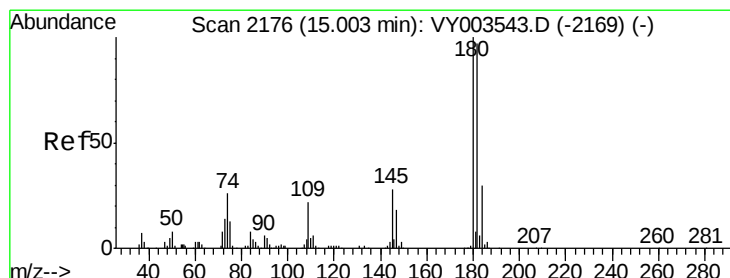
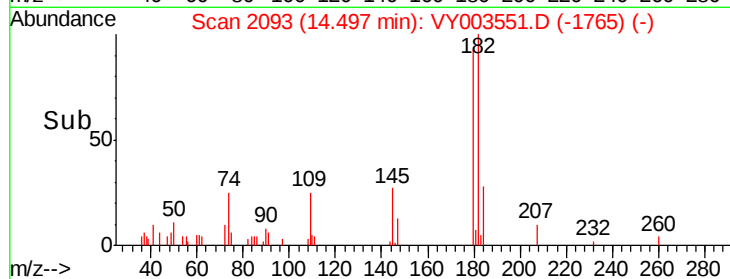
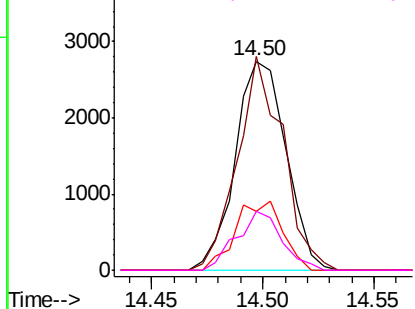
#67
 1,3,5-Trichlorobenzene
 Concen: 1.300 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion:180 Resp: 4377
 Ion Ratio Lower Upper
 180 100
 182 91.4 77.3 115.9
 184 30.8 24.4 36.6
 145 24.9 22.4 33.6

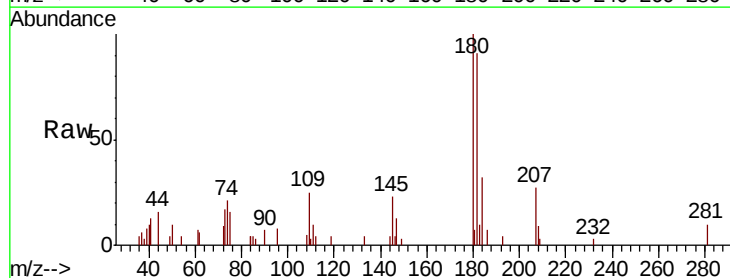


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

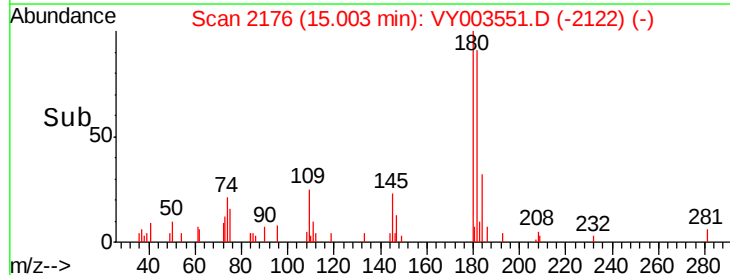
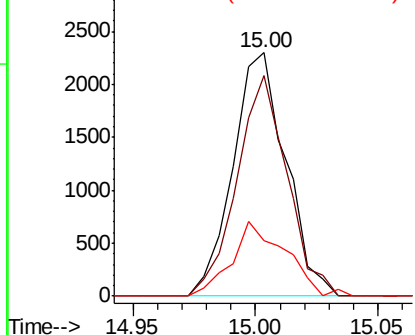


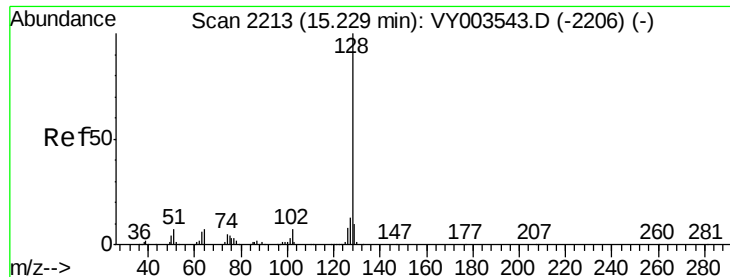
#68
 1,2,4-trichlorobenzene
 Concen: 1.195 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion:180 Resp: 3467
 Ion Ratio Lower Upper
 180 100
 182 85.9 76.5 114.7
 145 30.3 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: 1.057 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

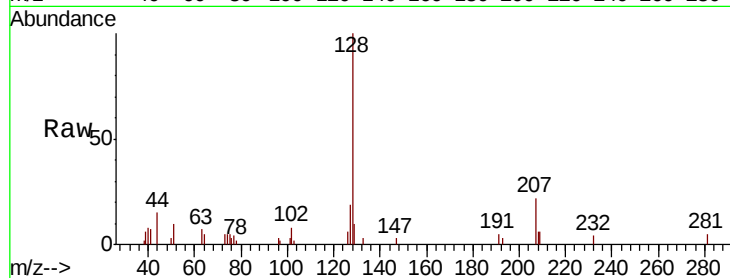
Tot Ion:128 Resp: 5409

Ion Ratio Lower Upper

128 100

129 9.9 8.5 12.7

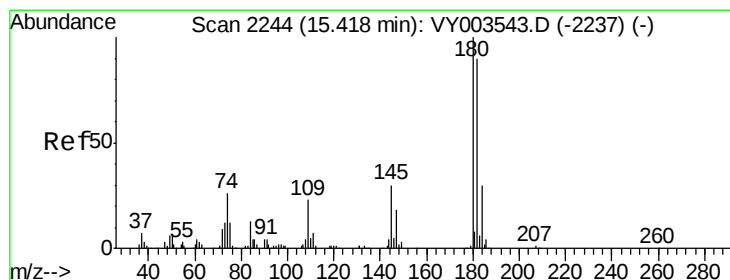
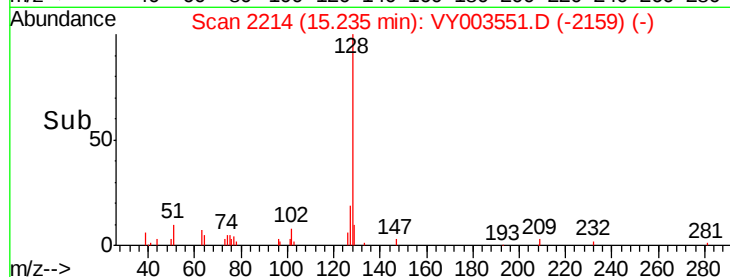
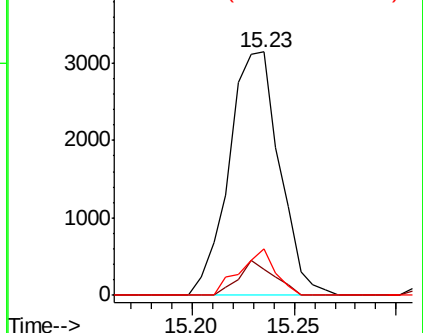
127 13.3 10.2 15.2



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: 1.253 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

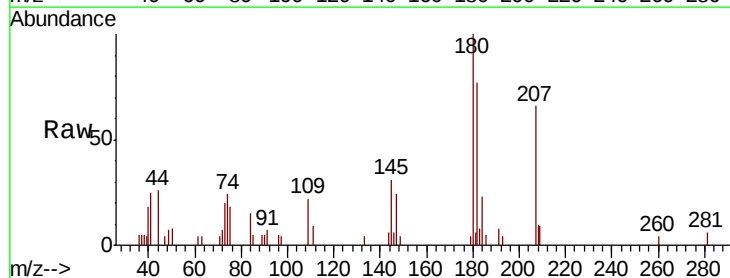
Tgt Ion:180 Resp: 2748

Ion Ratio Lower Upper

180 100

182 86.0 76.5 114.7

145 32.0 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

