

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003548.D
 Acq On : 19 Nov 2020 15:19
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Nov 20 01:44:12 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	234322	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	211987	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	98465	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	48194	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
7) Chloroethane-d5	2.77	69	46462	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.56%
10) 1,1-Dichloroethene-d2	3.86	63	94922	14.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.48%
20) 2-Butanone-d5	6.91	46	56145	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.49	84	124739	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.14	65	72398	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.76%
29) Benzene-d6	8.11	84	265987	21.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.16%
33) 1,2-Dichloropropane-d6	9.13	67	78500	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.72%
37) Toluene-d8	10.18	98	237579	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.88%
38) trans-1,3-Dichloropropene-	10.44	79	38292	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.76%
39) 2-Hexanone-d5	10.79	63	40056	42.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.08%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	64151	20.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	70518	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	1197	0.964 ug/L #	74
3) Chloromethane	2.12	50	3523	1.348 ug/L	98
5) Vinyl chloride	2.27	62	4218	1.351 ug/L #	64
6) Bromomethane	2.66	94	2980	1.230 ug/L	92
8) Chloroethane	2.80	64	2804	1.323 ug/L	85
9) Trichlorofluoromethane	3.13	101	3237	1.082 ug/L	90
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	2148	0.692 ug/L #	81
12) 1,1-Dichloroethene	3.88	96	4854	1.496 ug/L #	1
14) Carbon disulfide	4.20	76	12991	1.208 ug/L	97
15) Methyl Acetate	4.49	43	2942	1.240 ug/L	91
16) Methylene chloride	4.72	84	12058	3.002 ug/L	97
17) Methyl tert-butyl Ether	5.22	73	3496	0.689 ug/L #	78
18) trans-1,2-Dichloroethene	5.22	96	4542	1.328 ug/L	91
19) 1,1-Dichloroethane	6.03	63	6968	1.206 ug/L #	95
21) 2-Butanone	7.00	43	4969	3.156 ug/L #	70
22) cis-1,2-Dichloroethene	6.99	96	4237	1.206 ug/L	85
23) Bromochloromethane	7.34	128	2081	1.223 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003548.D
 Acq On : 19 Nov 2020 15:19
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

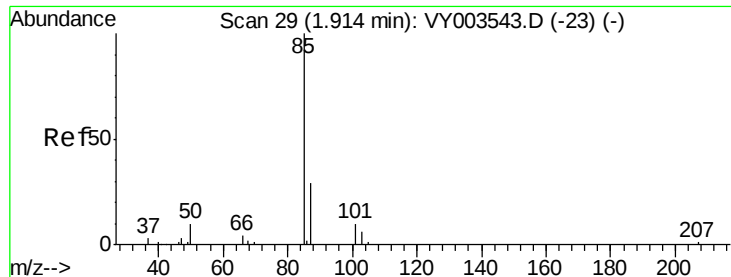
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Nov 20 01:44:12 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)

25) Chloroform	7.50	83	7912	1.377	ug/L	80
27) 1,2-Dichloroethane	8.24	62	5031	1.297	ug/L #	82
30) Cyclohexane	7.79	56	5877	1.140	ug/L	95
31) 1,1,1-Trichloroethane	7.71	97	5696	1.235	ug/L	99
32) Carbon tetrachloride	7.91	117	5388	1.229	ug/L	100
34) Benzene	8.16	78	16895	1.263	ug/L	100
35) Trichloroethene	8.94	95	4236	1.251	ug/L	98
36) Methylcyclohexane	9.19	83	6483	1.225	ug/L	95
40) 1,2-Dichloropropane	9.22	63	3865	1.172	ug/L	98
41) Bromodichloromethane	9.49	83	5177	1.230	ug/L	93
42) cis-1,3-Dichloropropene	9.93	75	6059	1.165	ug/L	89
43) 4-Methyl-2-pentanone	10.08	43	6172	2.237	ug/L	97
44) Toluene	10.24	91	17462	1.239	ug/L	95
45) trans-1,3-Dichloropropene	10.46	75	5782	1.207	ug/L	93
46) 1,1,2-Trichloroethane	10.64	97	3233	1.227	ug/L	95
47) Tetrachloroethene	10.72	164	3434	1.167	ug/L	88
49) 2-Hexanone	10.83	43	5123	2.351	ug/L	98
50) Dibromochloromethane	10.98	129	3773	1.188	ug/L	98
51) 1,2-Dibromoethane	11.09	107	3340	1.272	ug/L #	98
52) Chlorobenzene	11.52	112	11183	1.242	ug/L	99
53) Ethylbenzene	11.59	91	16182	1.118	ug/L	96
54) m,p-Xylene	11.70	106	6431	1.154	ug/L	76
55) o-xylene	12.02	106	5438	1.169	ug/L	87
56) Styrene	12.04	104	9756	1.071	ug/L	99
57) Isopropylbenzene	12.33	105	11325	1.076	ug/L #	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	4079	1.313	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	2868	1.186	ug/L	98
62) Bromoform	12.21	173	2493	1.247	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	8300	1.336	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	8751	1.368	ug/L	96
65) 1,2-Dichlorobenzene	13.73	146	6592	1.288	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	4268	1.295	ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	3355	1.182	ug/L	96
69) Naphthalene	15.23	128	5827	1.163	ug/L	95
70) 1,2,3-Trichlorobenzene	15.42	180	2636	1.228	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.964 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

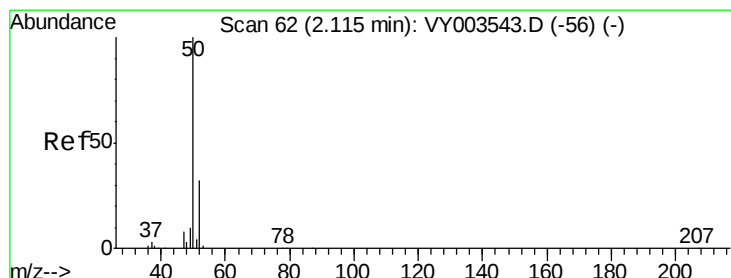
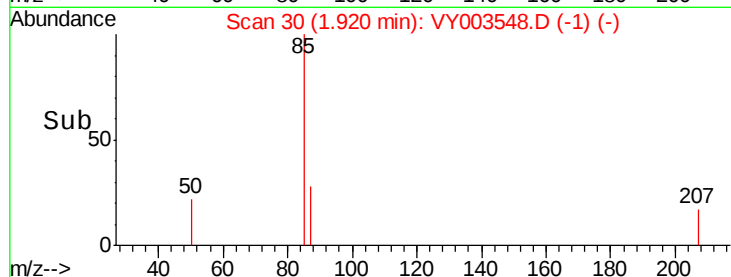
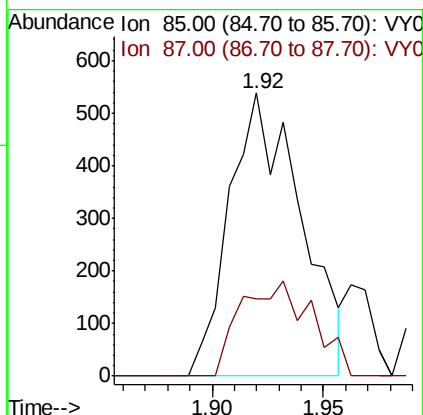
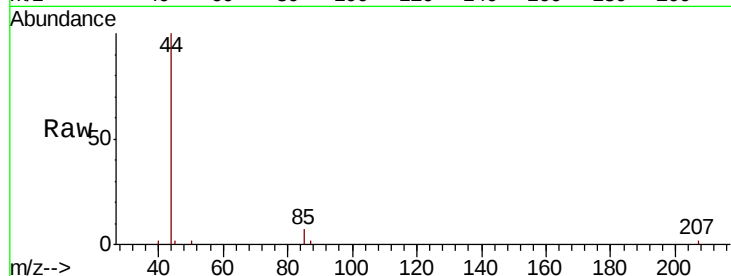
MDL01

Tot Ion: 85 Resp: 1197

Ion Ratio Lower Upper

85 100

87 16.5 21.3 39.5#



#3

Chloromethane

Concen: 1.348 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003548.D

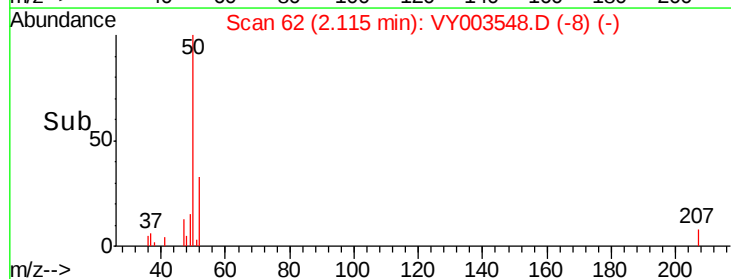
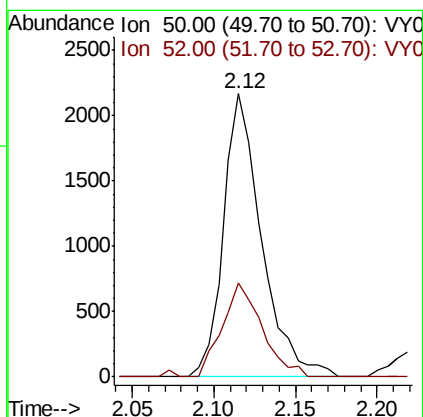
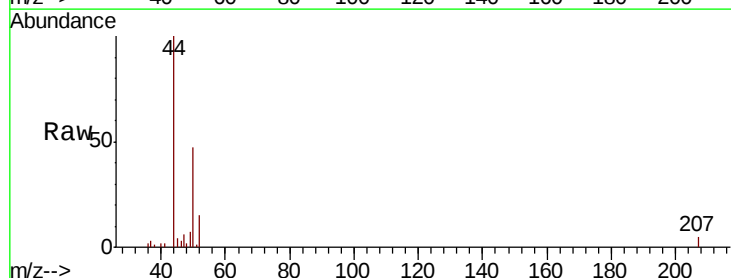
Acq: 19 Nov 2020 15:19

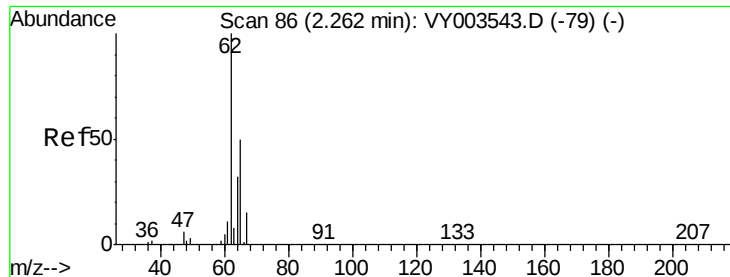
Tgt Ion: 50 Resp: 3523

Ion Ratio Lower Upper

50 100

52 33.0 22.4 41.6





#5

Vinyl chloride

Concen: 1.351 ug/L

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

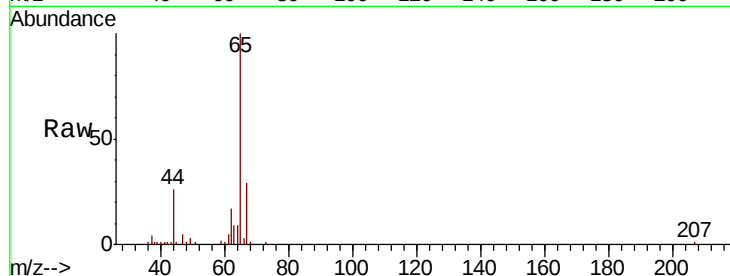
MDL01

Tot Ion: 62 Resp: 4218

Ion Ratio Lower Upper

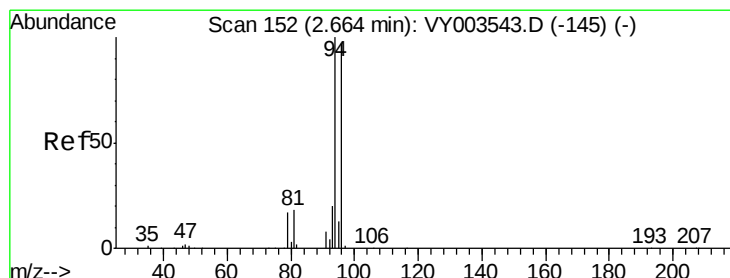
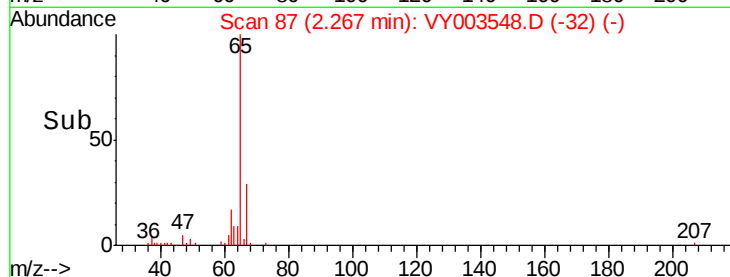
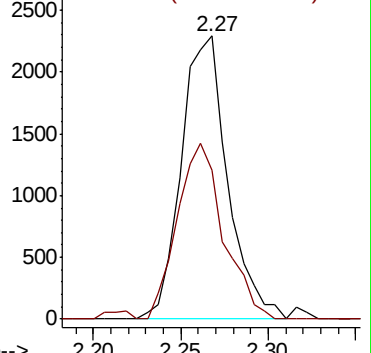
62 100

64 52.6 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: 1.230 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003548.D

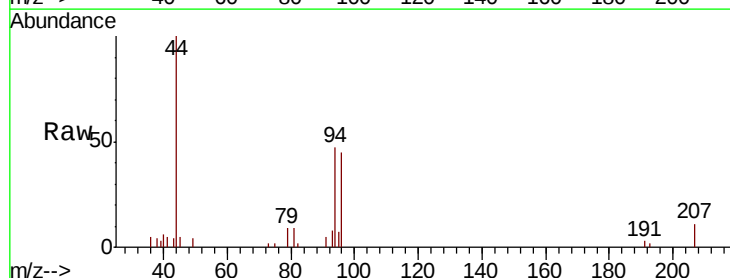
Acq: 19 Nov 2020 15:19

Tgt Ion: 94 Resp: 2980

Ion Ratio Lower Upper

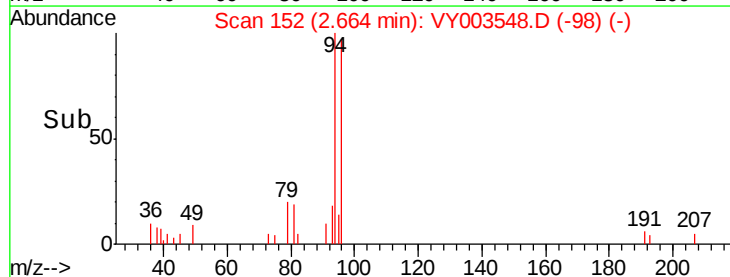
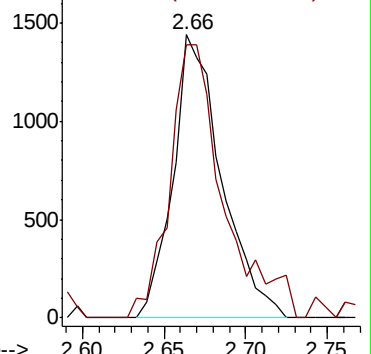
94 100

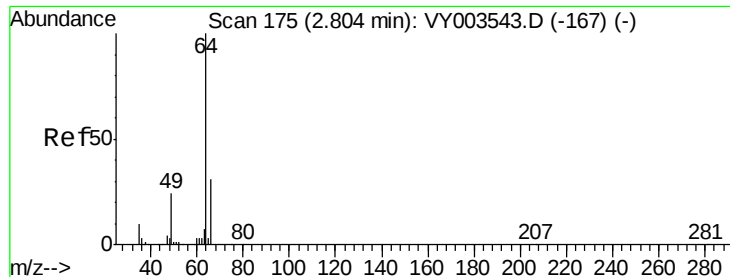
96 101.9 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

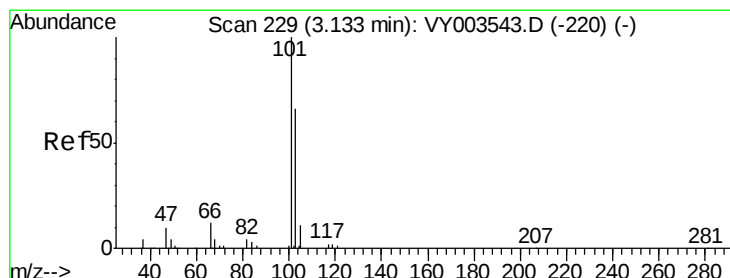
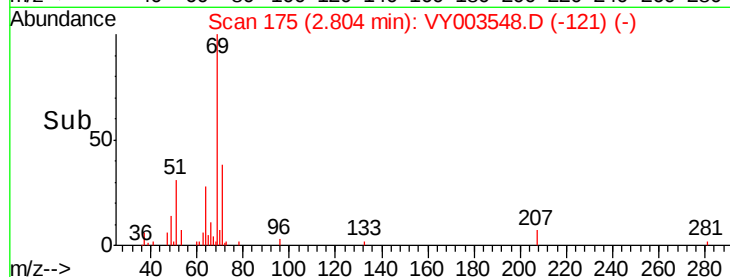
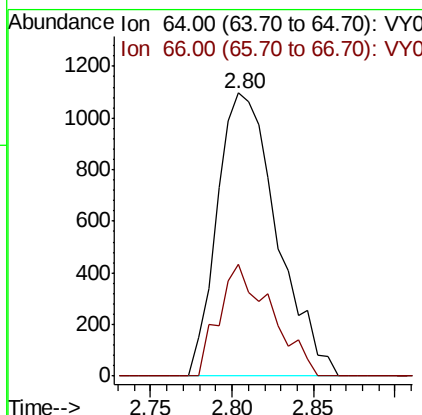
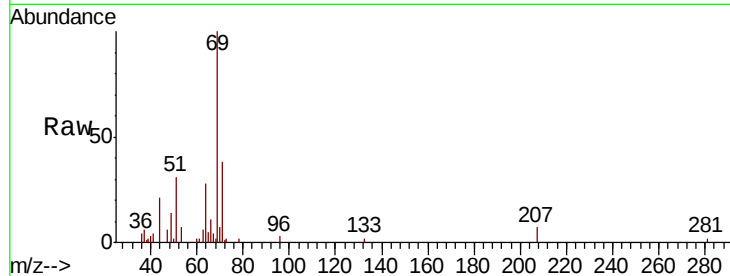




#8
Chloroethane
Concen: 1.323 ug/L
RT: 2.80 min Scan# 175
Delta R.T. -0.00 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

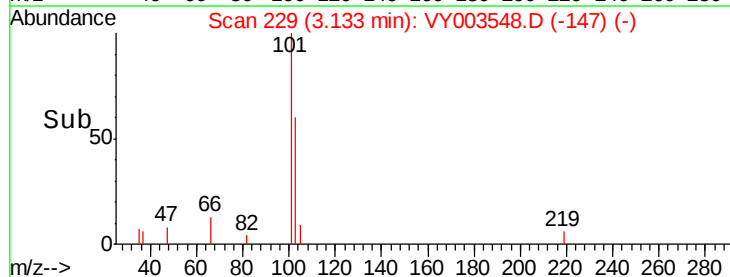
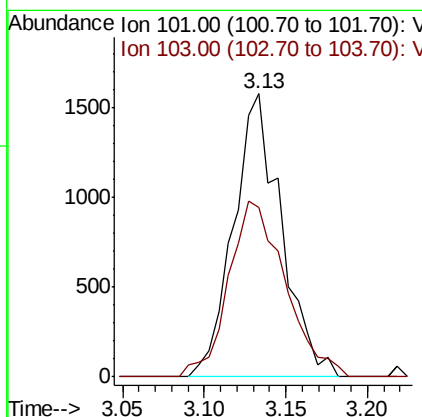
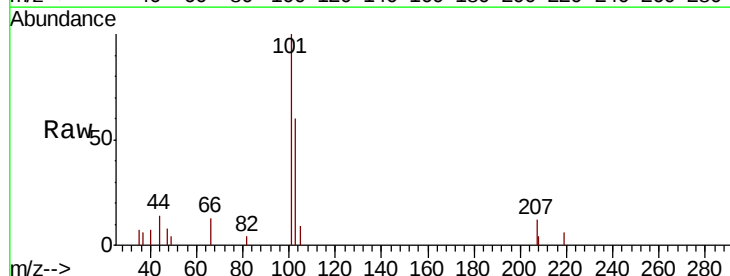
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

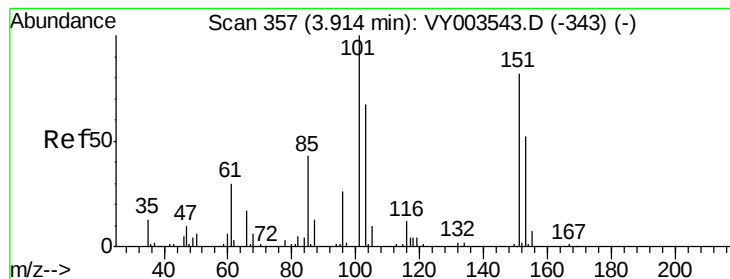
Tot Ion: 64 Resp: 2804
Ion Ratio Lower Upper
64 100
66 39.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.082 ug/L
RT: 3.13 min Scan# 229
Delta R.T. -0.00 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Tgt Ion: 101 Resp: 3237
Ion Ratio Lower Upper
101 100
103 73.1 45.6 84.6





#11

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

Concen: 0.692 ug/L

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

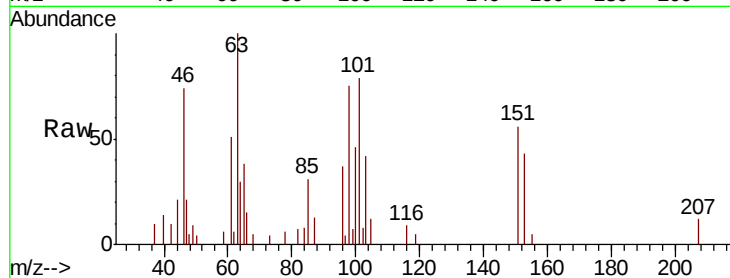
Tot Ion:101 Resp: 2148

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

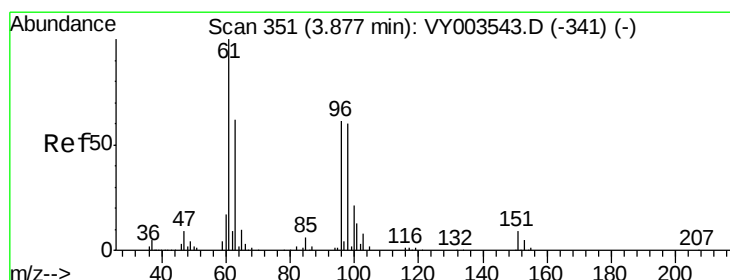
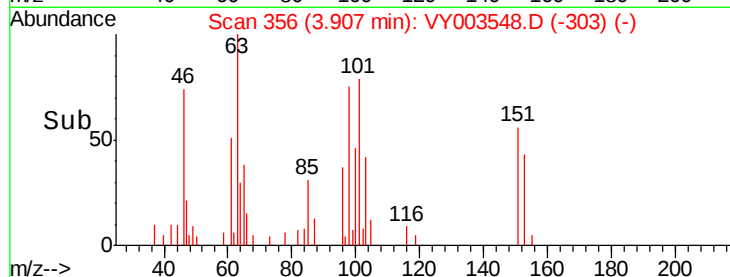
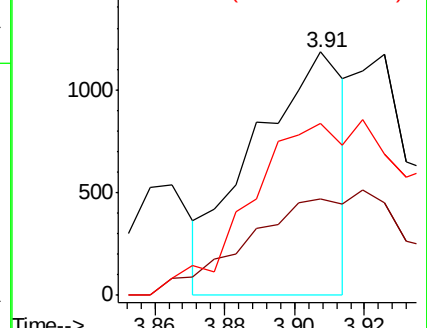
151 56.1 65.4 98.0#



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) (-)



#12

1,1-Dichloroethene

Concen: 1.496 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

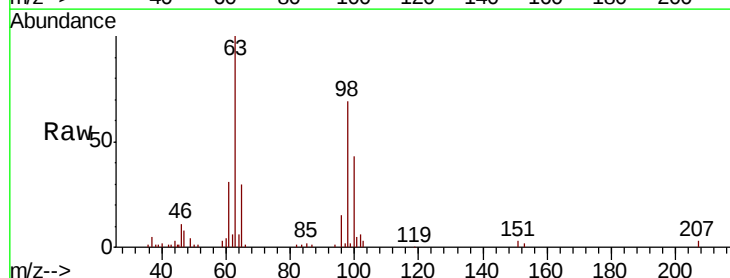
Tgt Ion: 96 Resp: 4854

Ion Ratio Lower Upper

96 100

61 201.2 116.6 216.6

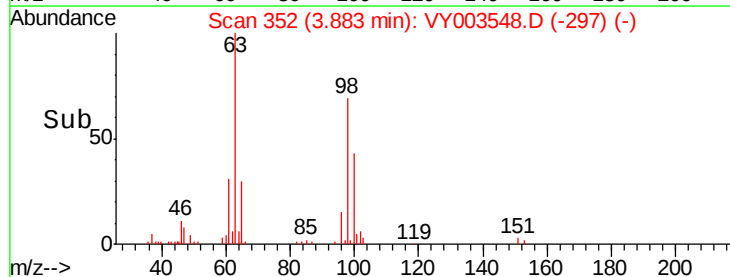
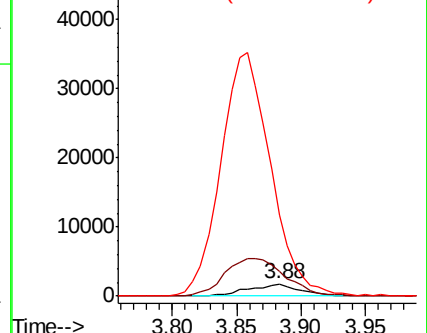
63 654.8 77.5 143.9#

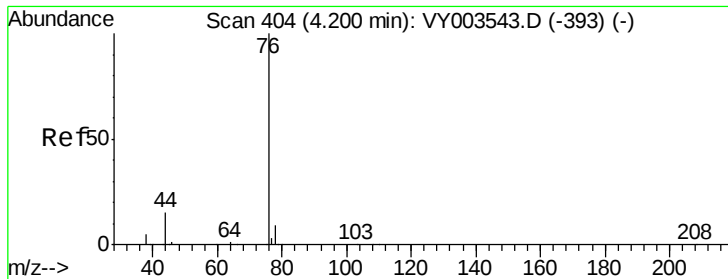


Abundance Ion 96.00 (95.70 to 96.70): VY003548.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003548.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003548.D (-297) (-)





#14

Carbon disulfide

Concen: 1.208 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

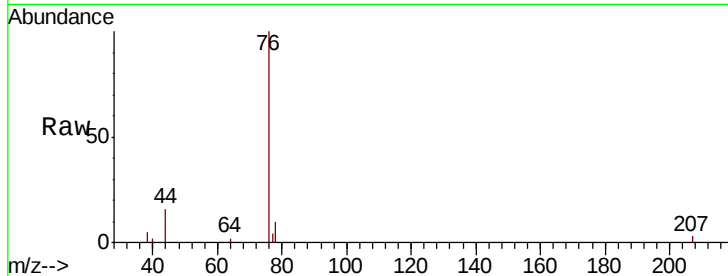
MDL01

Tot Ion: 76 Resp: 12991

Ion Ratio Lower Upper

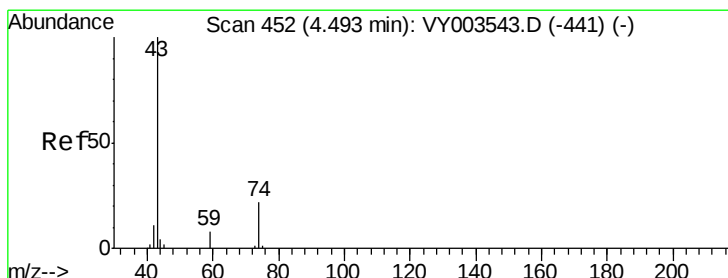
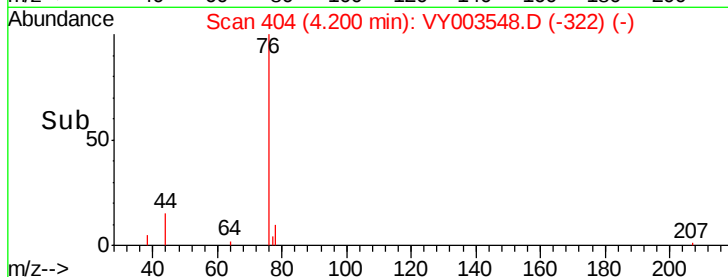
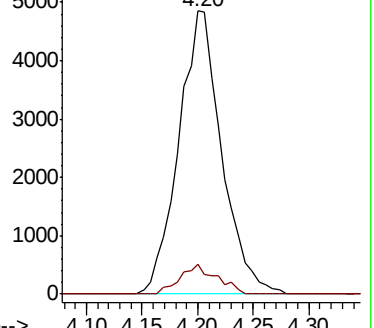
76 100

78 10.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY003548.D (-322) (-)

Ion 78.00 (77.70 to 78.70): VY003548.D (-322) (-)



#15

Methyl Acetate

Concen: 1.240 ug/L

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003548.D

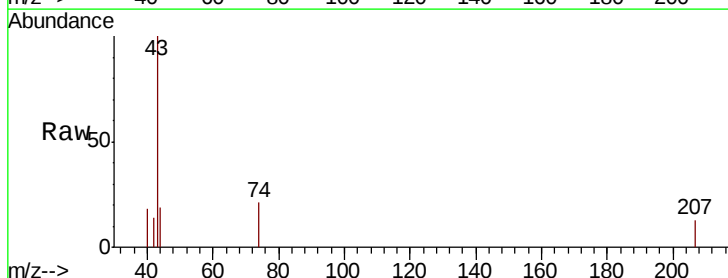
Acq: 19 Nov 2020 15:19

Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

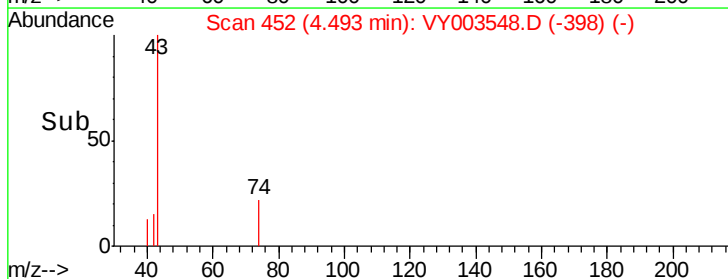
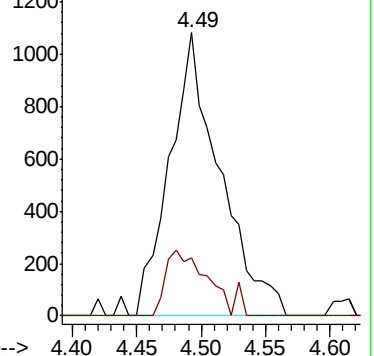
43 100

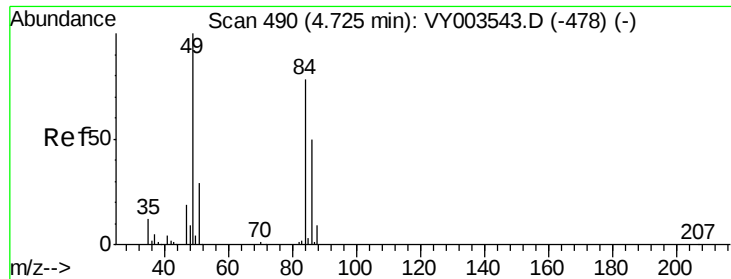
74 18.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY003548.D (-398) (-)

Ion 74.00 (73.70 to 74.70): VY003548.D (-398) (-)

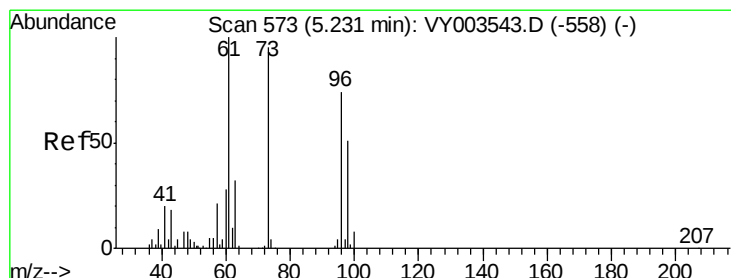
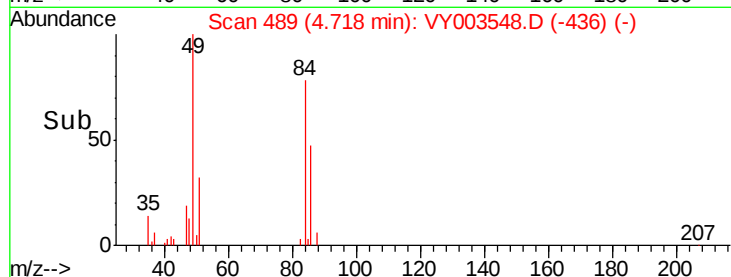
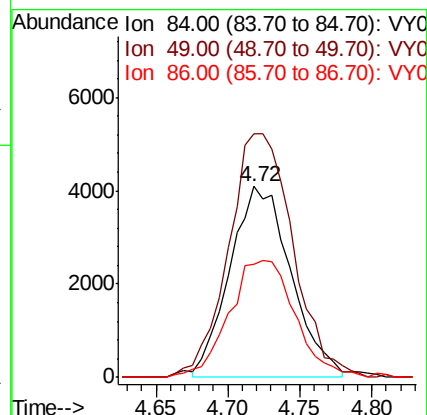
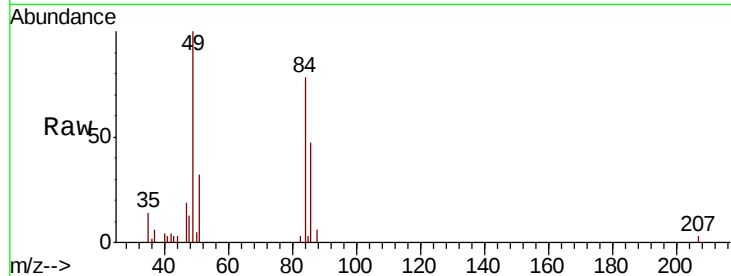




#16
Methvlene chloride
Concen: 3.002 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

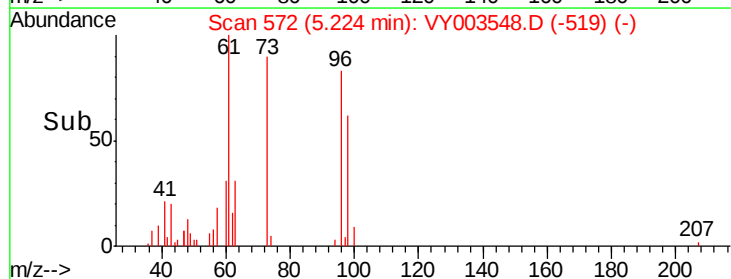
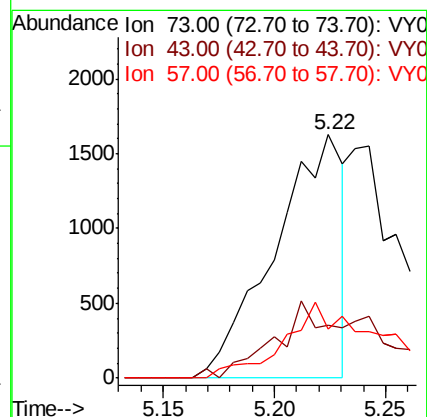
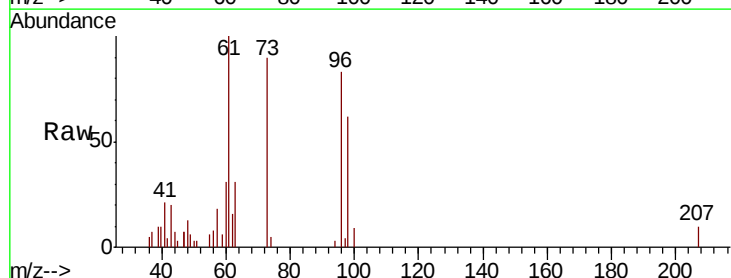
Instrument :
MSVOA_Y
ClientSampled :
MDL01

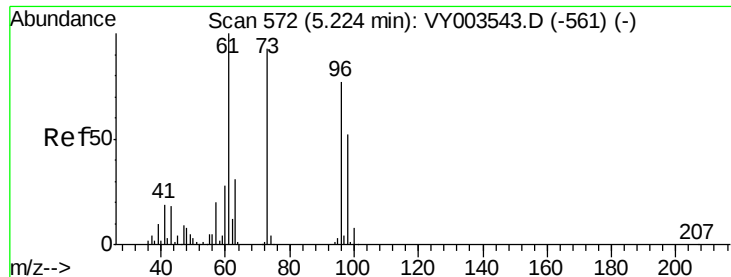
Tot Ion: 84 Resp: 12058
Ion Ratio Lower Upper
84 100
49 127.6 90.3 167.7
86 59.6 44.7 83.1



#17
Methyl tert-butyl Ether
Concen: 0.689 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Tgt Ion: 73 Resp: 3496
Ion Ratio Lower Upper
73 100
43 8.9 15.9 23.9#
57 20.4 10.5 15.7#





#18

trans-1,2-Dichloroethene

Concen: 1.328 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

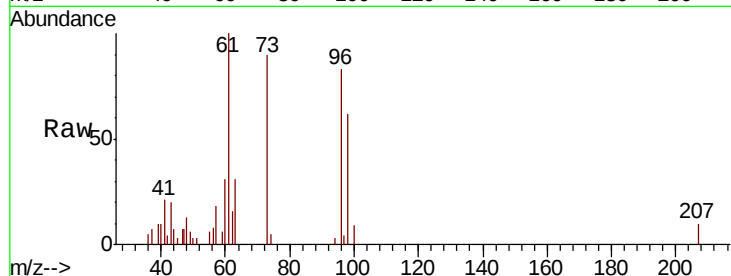
Tot Ion: 96 Resp: 4542

Ion Ratio Lower Upper

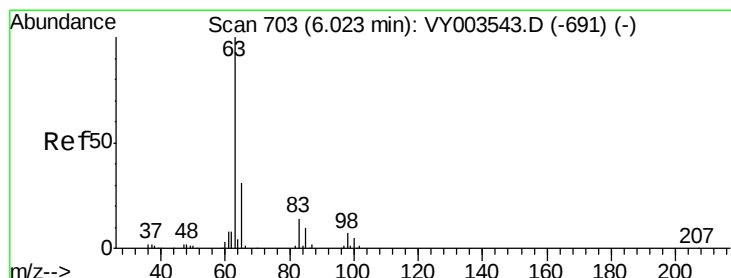
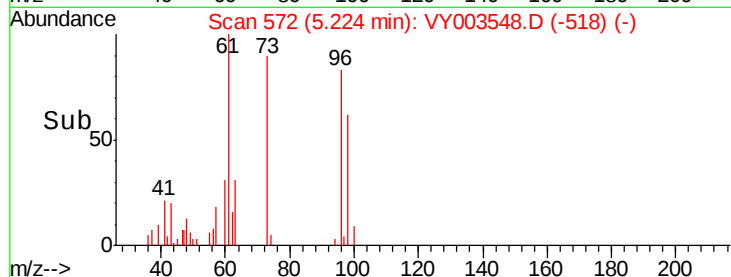
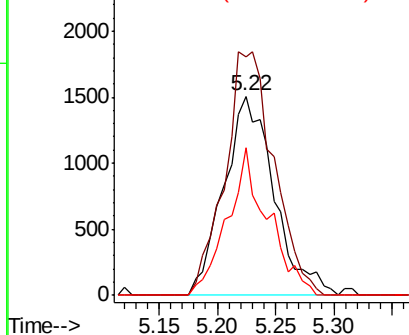
96 100

61 119.9 90.8 168.6

98 74.4 46.8 87.0



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



#19

1,1-Dichloroethane

Concen: 1.206 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

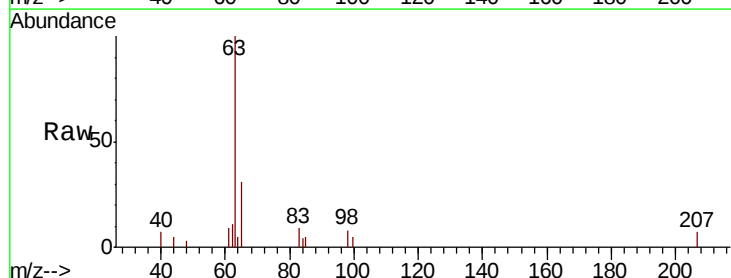
Tgt Ion: 63 Resp: 6968

Ion Ratio Lower Upper

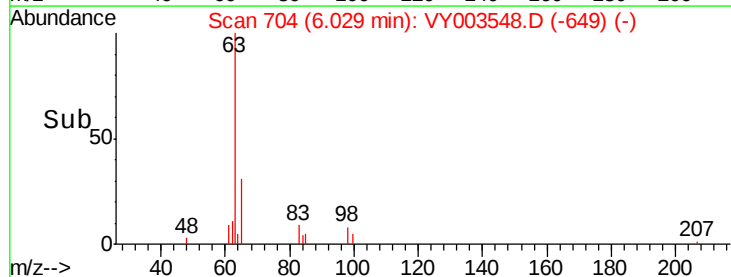
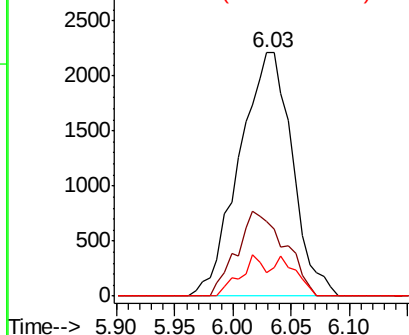
63 100

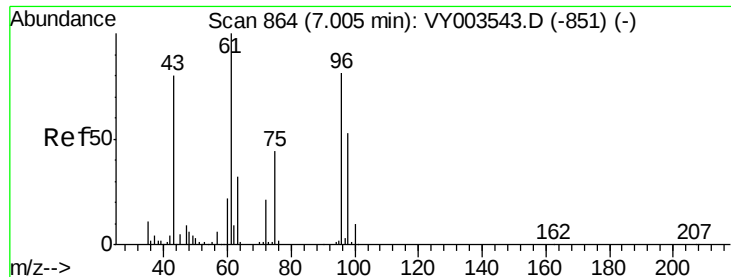
65 30.6 22.0 40.8

83 9.5 9.9 18.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0

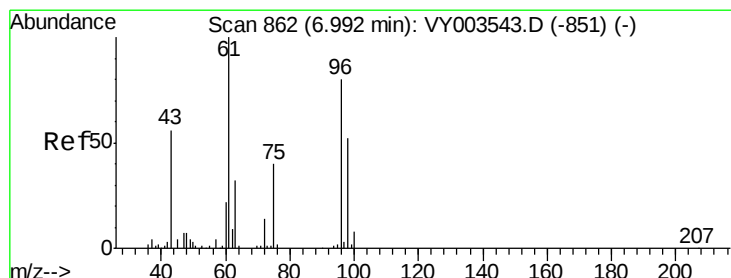
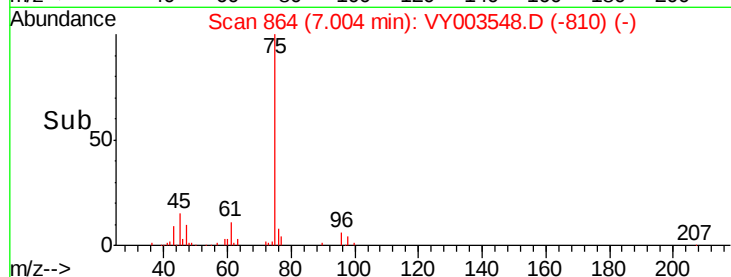
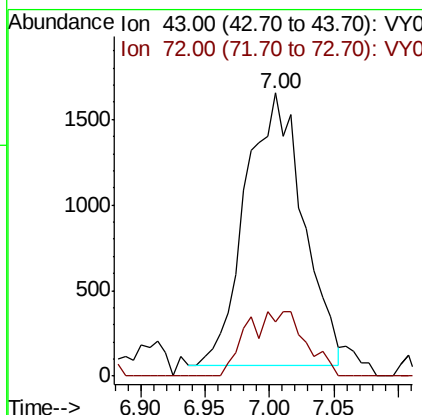
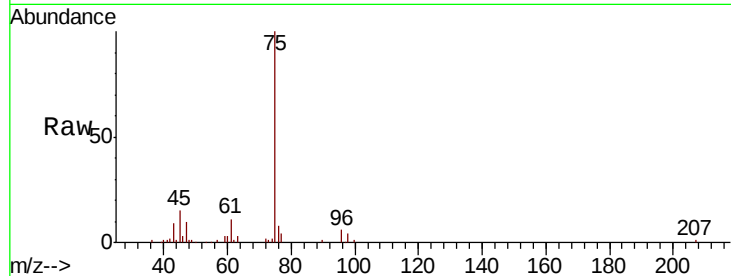




#21
 2-Butanone
 Concen: 3.156 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

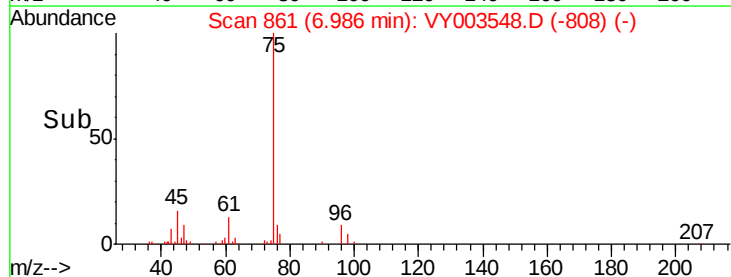
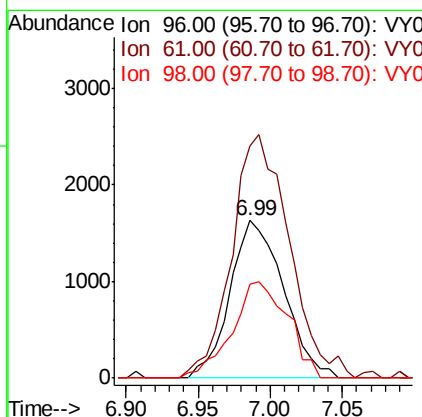
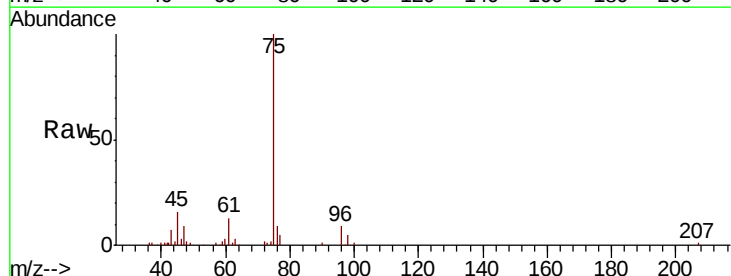
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

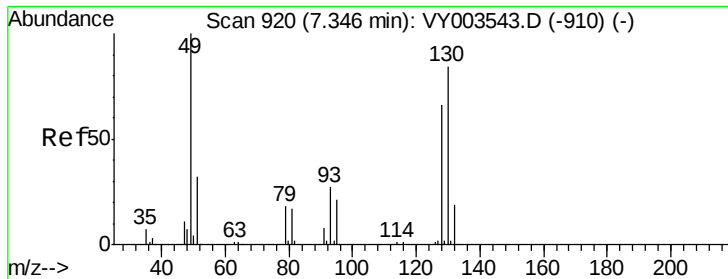
Tot Ion: 43 Resp: 4969
 Ion Ratio Lower Upper
 43 100
 72 11.2 13.2 39.6#



#22
 cis-1,2-Dichloroethene
 Concen: 1.206 ug/L
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Tgt Ion: 96 Resp: 4237
 Ion Ratio Lower Upper
 96 100
 61 147.2 88.1 163.5
 98 59.3 45.6 84.6





#23

Bromochloromethane

Concen: 1.223 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY003548.D

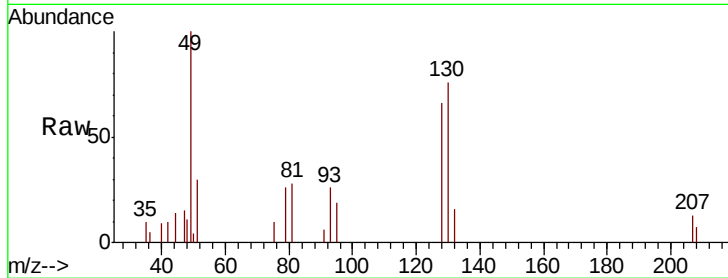
Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01



Tot Ion:128 Resp: 2081

Ion Ratio Lower Upper

128 100

49 151.0 107.3 199.3

130 114.4 89.3 165.9

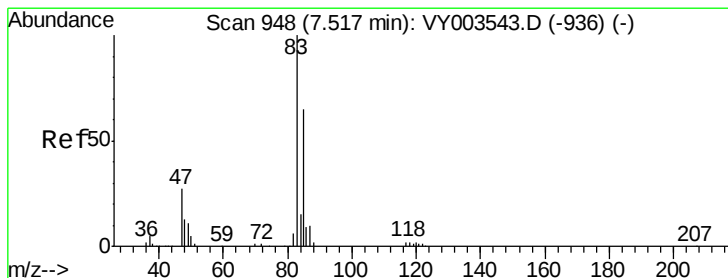
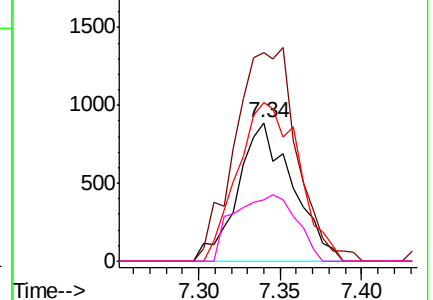
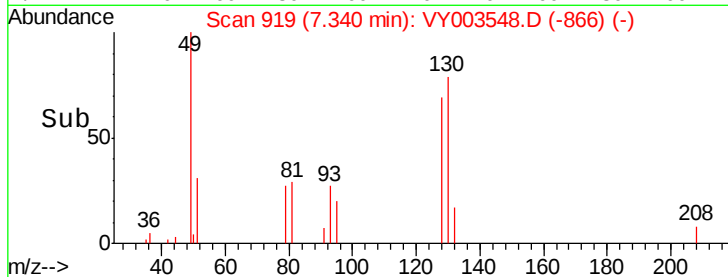
51 44.7 38.8 58.2

Abundance Ion 128.00 (127.70 to 128.70): VY003543.D (-910) (-)

Ion 49.00 (48.70 to 49.70): VY003543.D (-910) (-)

Ion 130.00 (129.70 to 130.70): VY003543.D (-910) (-)

Ion 51.00 (50.70 to 51.70): VY003543.D (-910) (-)



#25

Chloroform

Concen: 1.377 ug/L

RT: 7.50 min Scan# 946

Delta R.T. -0.01 min

Lab File: VY003548.D

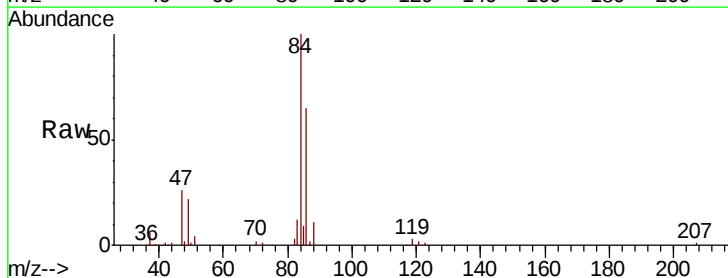
Acq: 19 Nov 2020 15:19

Tgt Ion: 83 Resp: 7912

Ion Ratio Lower Upper

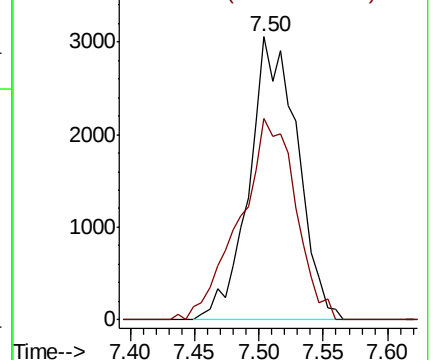
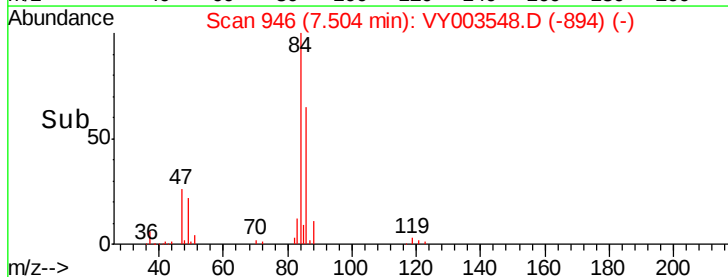
83 100

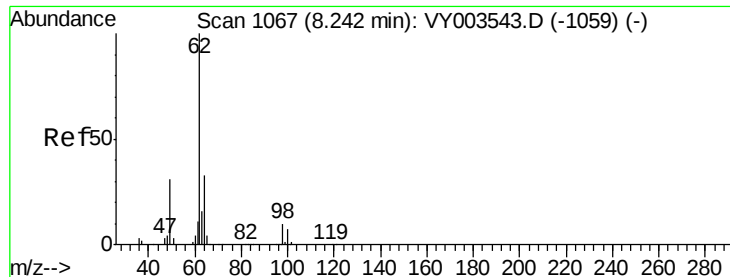
85 82.3 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VY003543.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-936) (-)

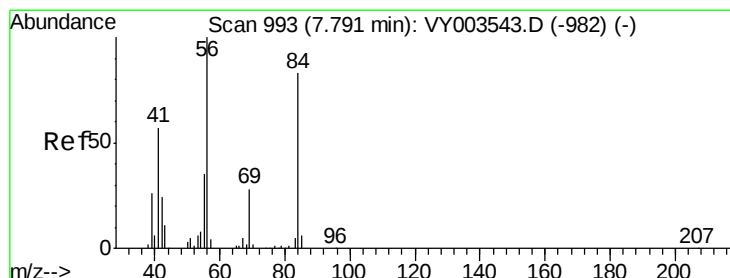
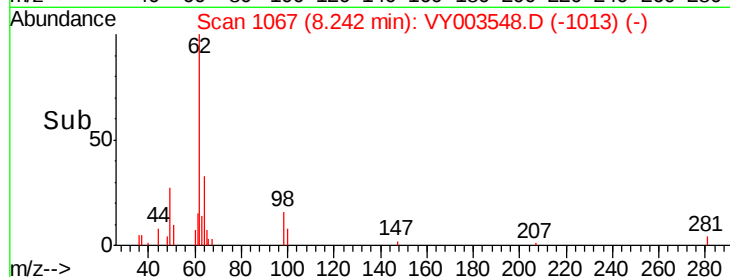
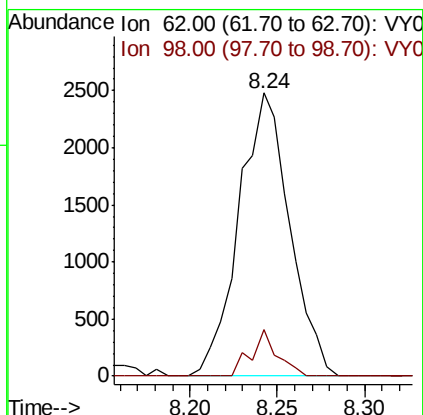
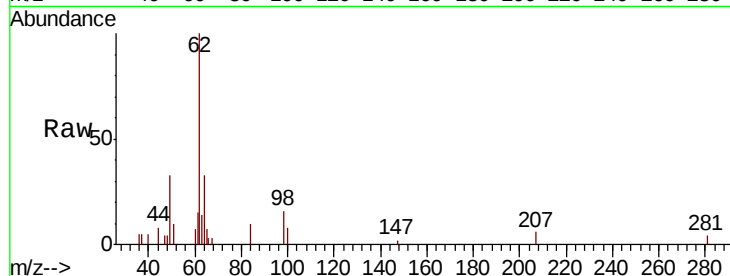




#27
 1,2-Dichloroethane
 Concen: 1.297 ug/L
 RT: 8.24 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

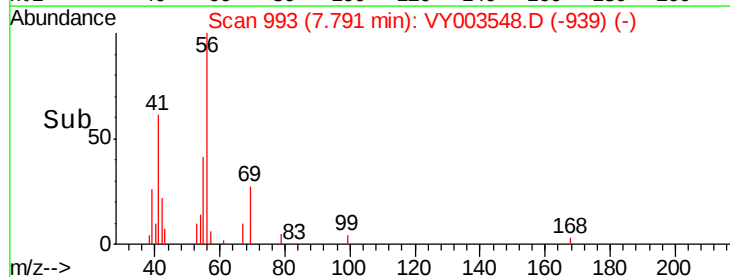
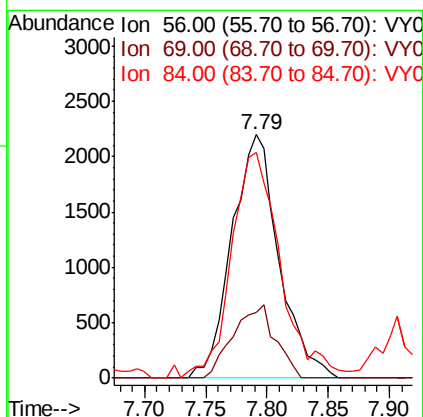
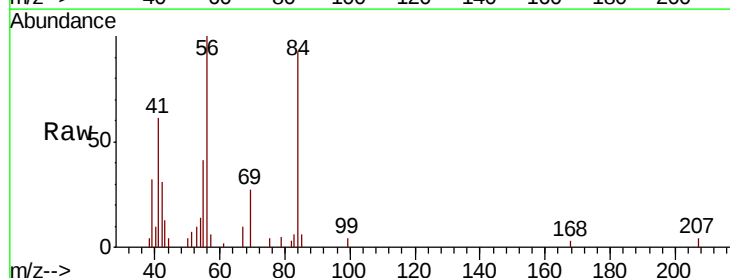
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

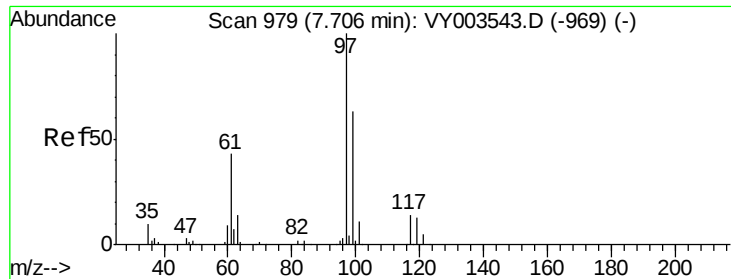
Tot Ion: 62 Resp: 5031
 Ion Ratio Lower Upper
 62 100
 98 16.3 7.7 11.5#



#30
 Cyclohexane
 Concen: 1.140 ug/L
 RT: 7.79 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Tgt Ion: 56 Resp: 5877
 Ion Ratio Lower Upper
 56 100
 69 26.9 23.3 34.9
 84 91.8 69.9 104.9

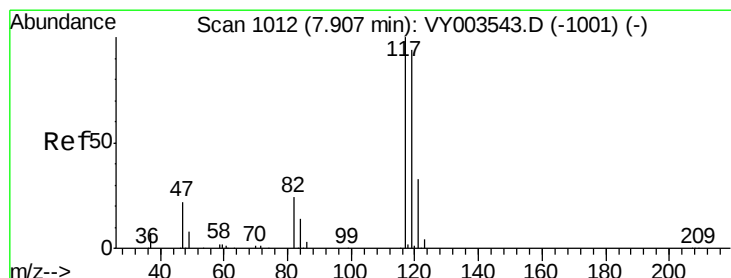
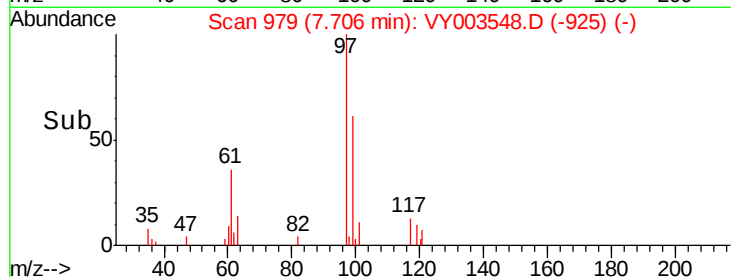
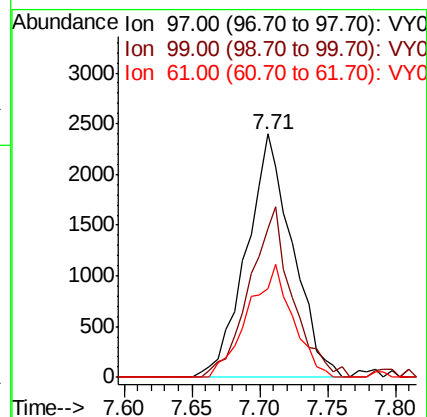
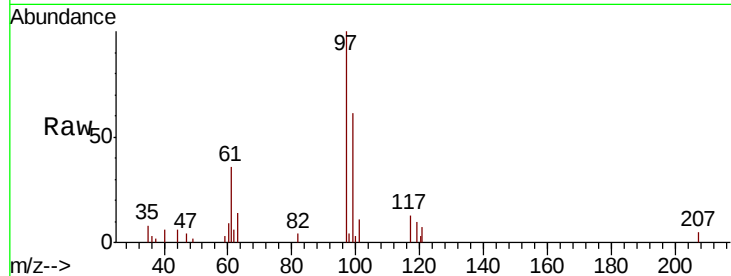




#31
 1,1,1-Trichloroethane
 Concen: 1.235 ug/L
 RT: 7.71 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

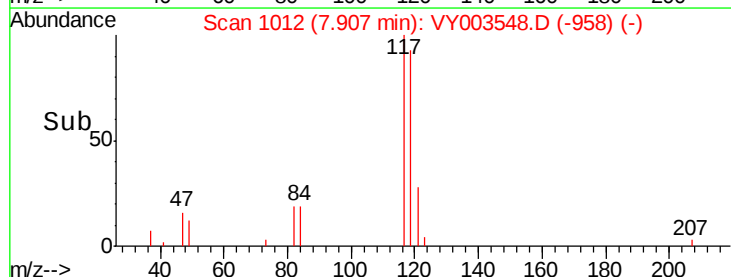
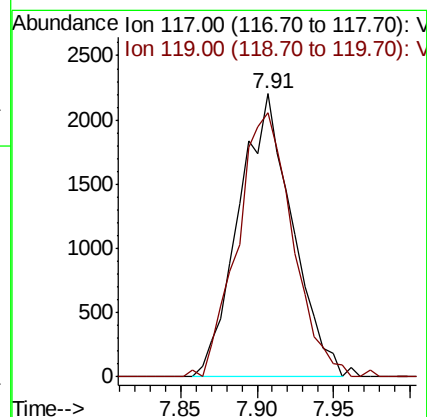
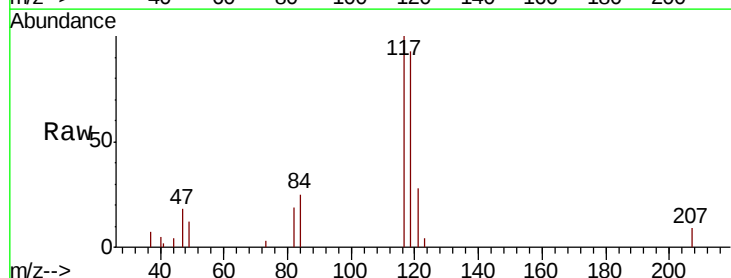
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

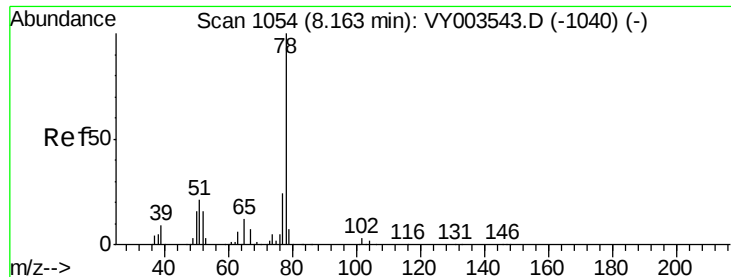
Tot Ion: 97 Resp: 5696
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 44.8 34.9 52.3



#32
 Carbon tetrachloride
 Concen: 1.229 ug/L
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Tgt Ion: 117 Resp: 5388
 Ion Ratio Lower Upper
 117 100
 119 95.2 76.2 114.4





#34

Benzene

Concen: 1.263 ug/L

RT: 8.16 min Scan# 1054

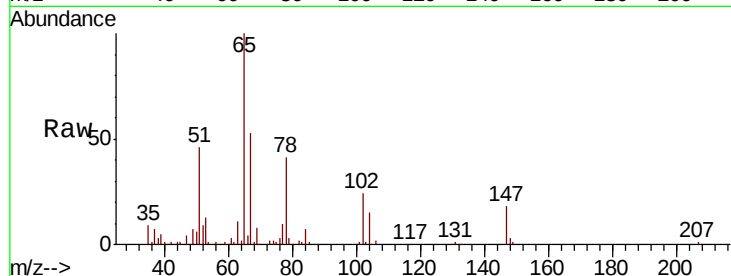
Delta R.T. -0.00 min

Lab File: VY003548.D

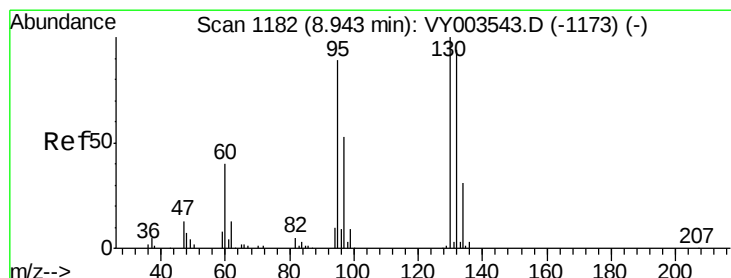
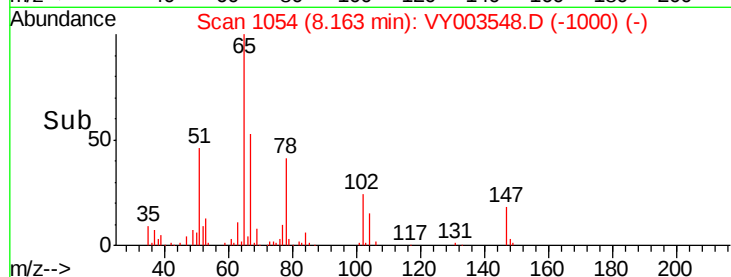
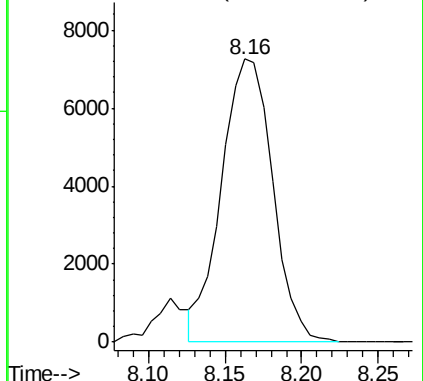
Acq: 19 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tgt Ion: 78 Resp: 16895



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.251 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Tgt Ion: 95 Resp: 4236

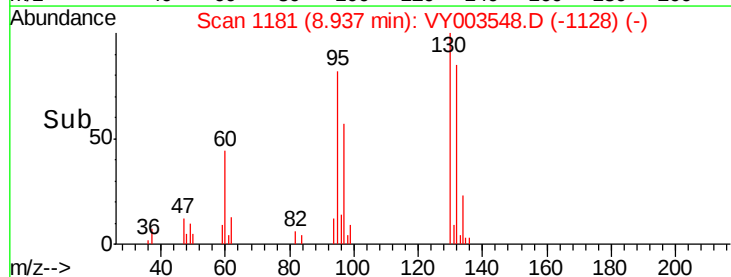
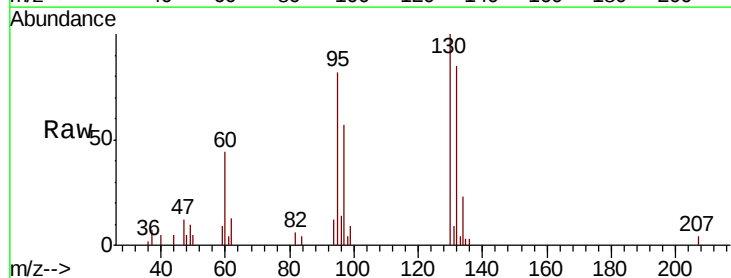
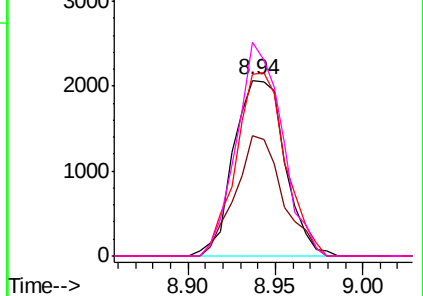
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.5	82.7
132	100.3	73.1	135.7
130	107.7	76.1	141.3

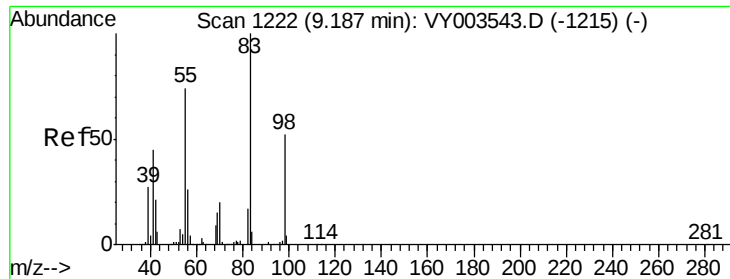
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

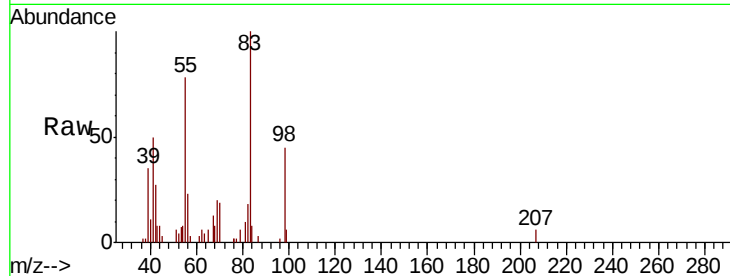




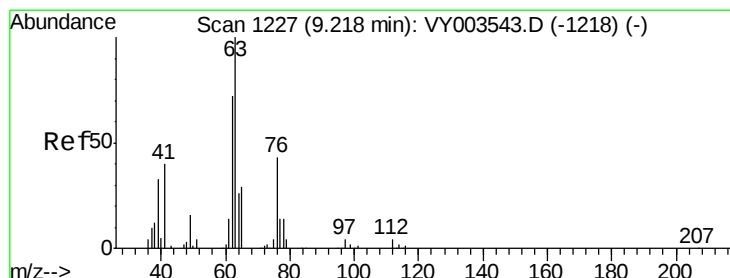
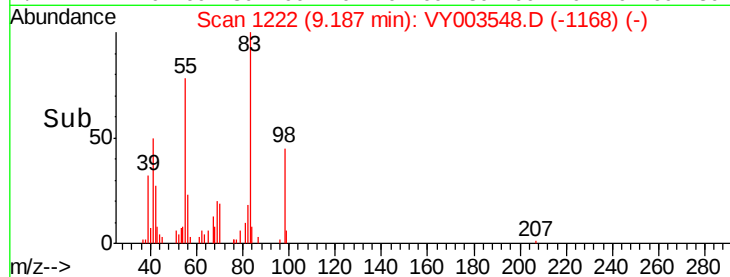
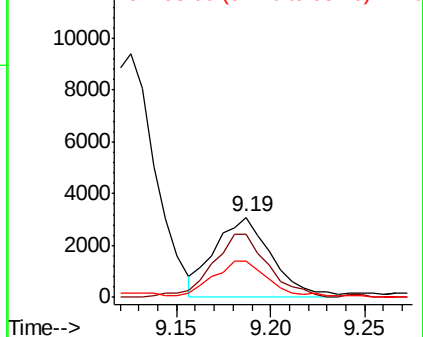
#36
Methvlcvclohexane
Concen: 1.225 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 6483
Ion Ratio Lower Upper
83 100
55 76.6 60.8 91.2
98 43.5 40.6 61.0

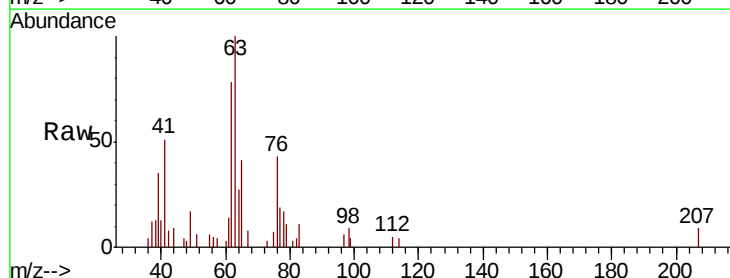


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

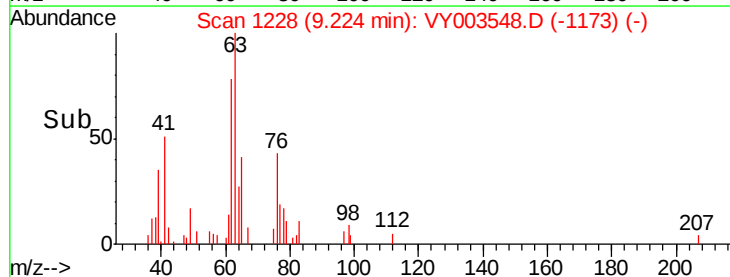
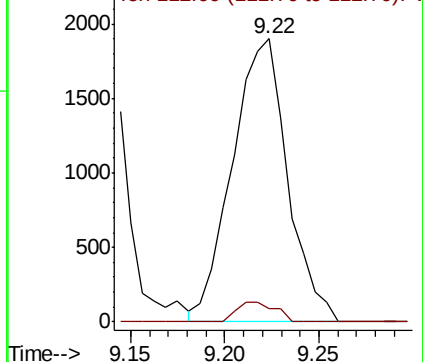


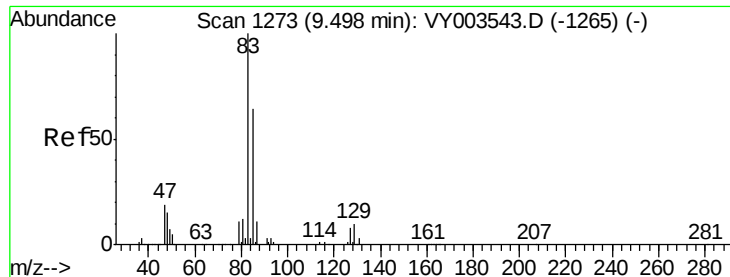
#40
1,2-Dichloropropane
Concen: 1.172 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Tgt Ion: 63 Resp: 3865
Ion Ratio Lower Upper
63 100
112 4.9 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: 1.230 ug/L

RT: 9.49 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

MDL01

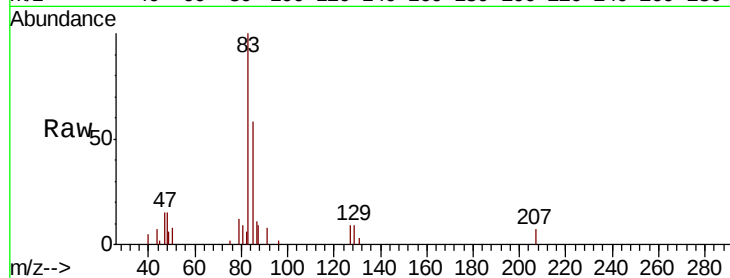
Tot Ion: 83 Resp: 5177

Ion Ratio Lower Upper

83 100

85 57.9 45.1 83.7

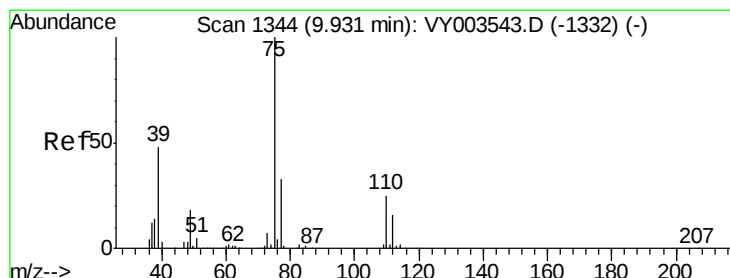
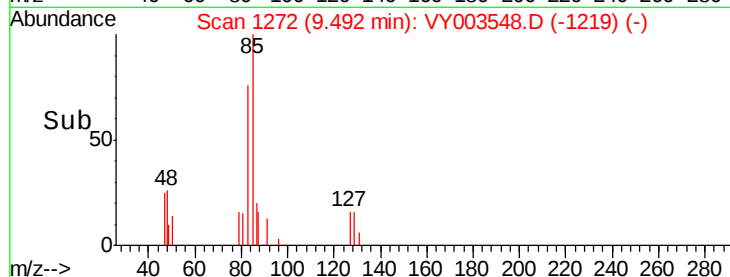
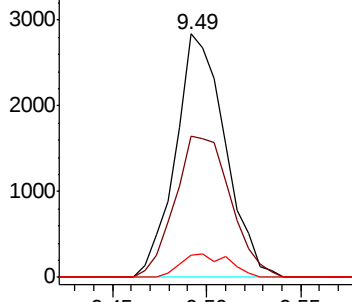
127 9.0 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VY003548.D (-1219) (-)

Ion 85.00 (84.70 to 85.70): VY003548.D (-1219) (-)

Ion 127.00 (126.70 to 127.70): VY003548.D (-1219) (-)



#42

cis-1,3-Dichloropropene

Concen: 1.165 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003548.D

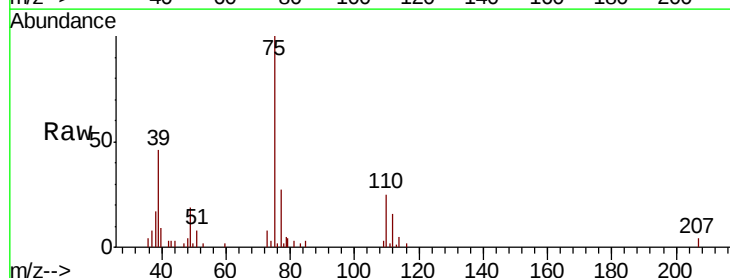
Acq: 19 Nov 2020 15:19

Tgt Ion: 75 Resp: 6059

Ion Ratio Lower Upper

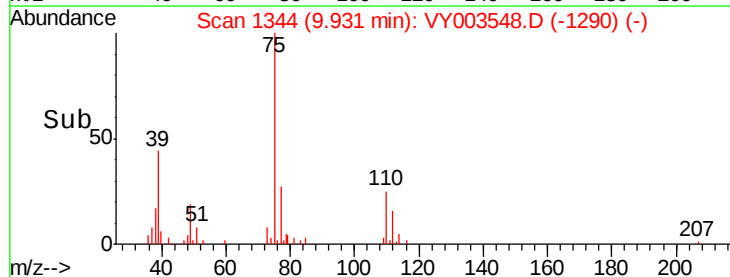
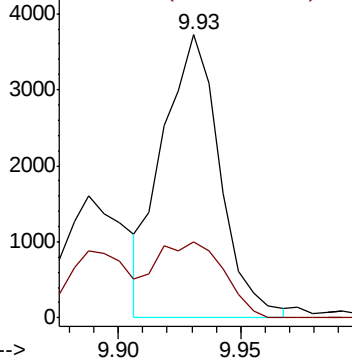
75 100

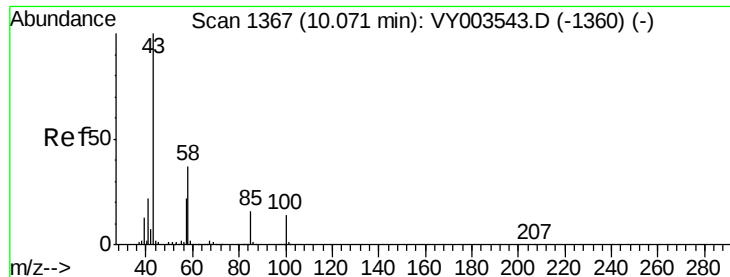
77 27.0 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY003548.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VY003548.D (-1290) (-)

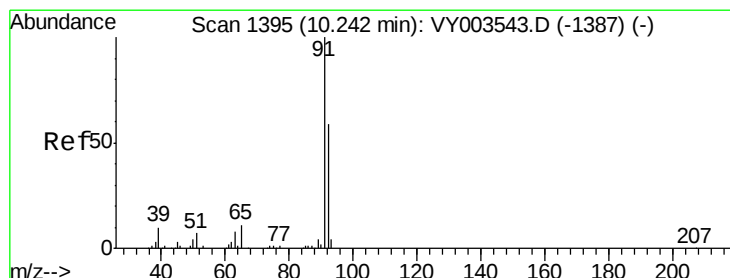
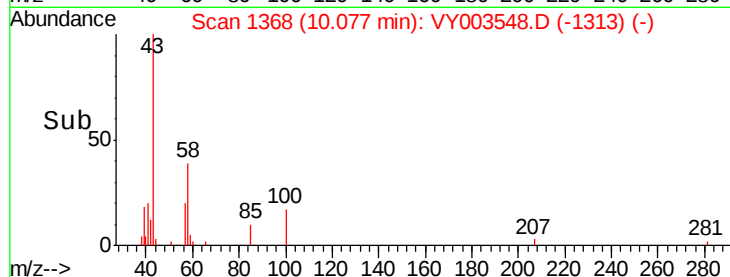
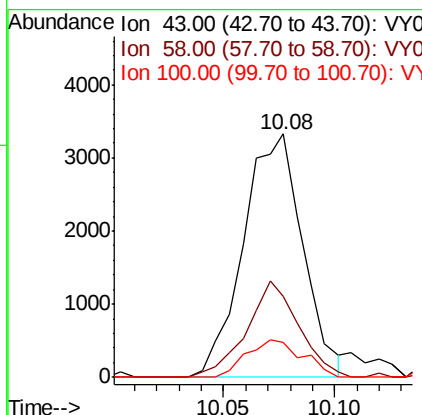
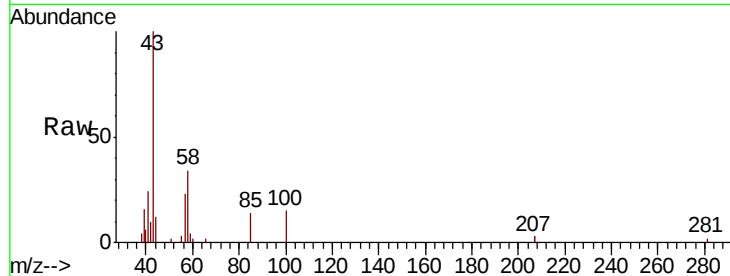




#43
4-Methyl-2-pentanone
Concen: 2.237 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

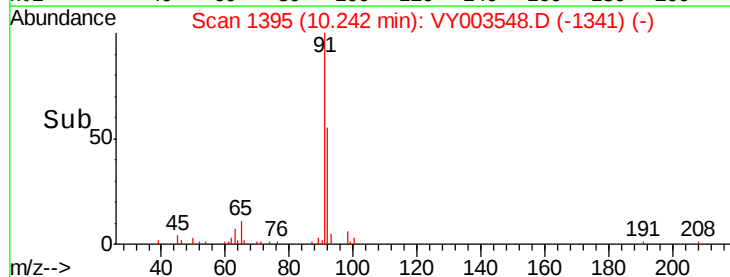
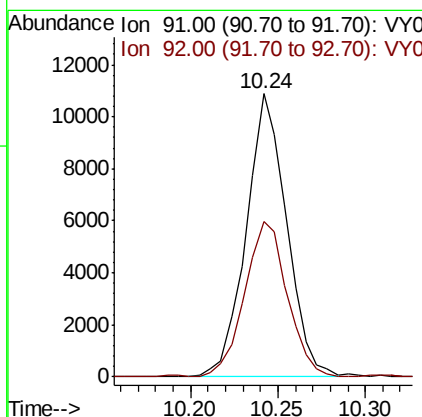
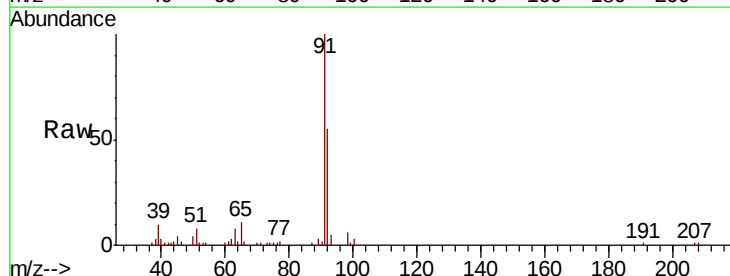
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

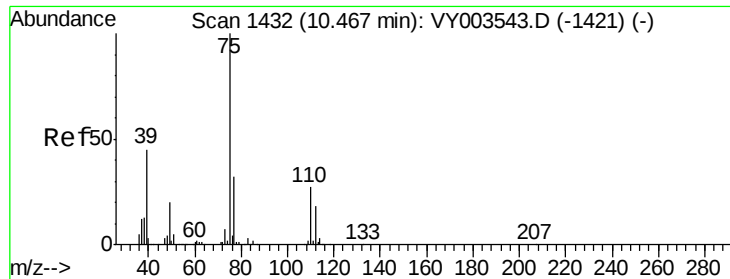
Tot Ion: 43 Resp: 6172
Ion Ratio Lower Upper
43 100
58 34.9 30.2 45.2
100 14.5 11.7 17.5



#44
Toluene
Concen: 1.239 ug/L
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Tgt Ion: 91 Resp: 17462
Ion Ratio Lower Upper
91 100
92 55.1 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 1.207 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

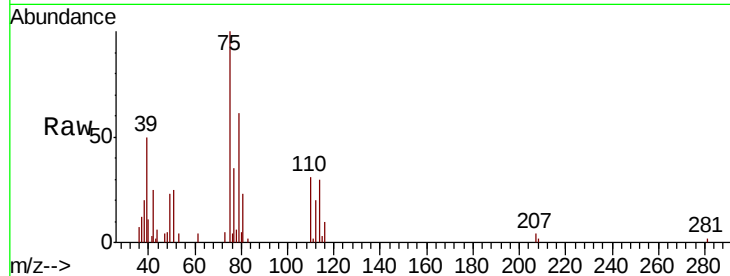
MDL01

Tot Ion: 75 Resp: 5782

Ion Ratio Lower Upper

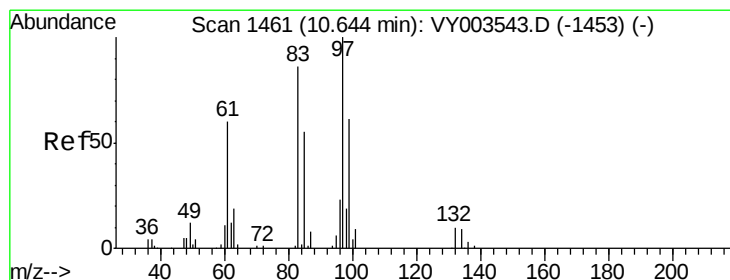
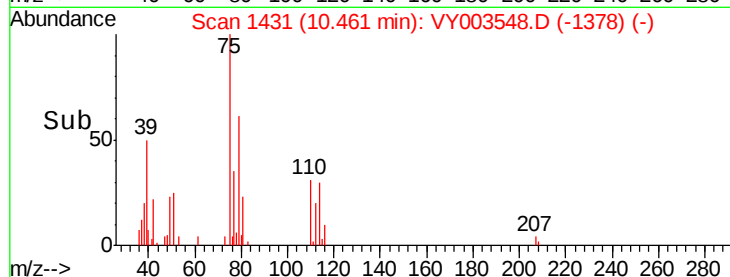
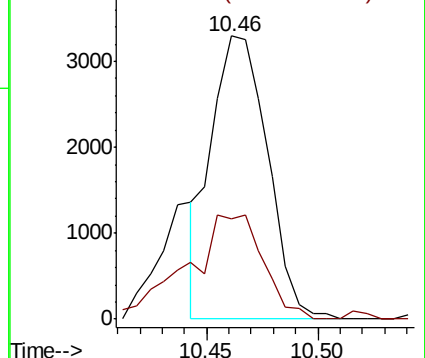
75 100

77 35.3 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: 1.227 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Tgt Ion: 97 Resp: 3233

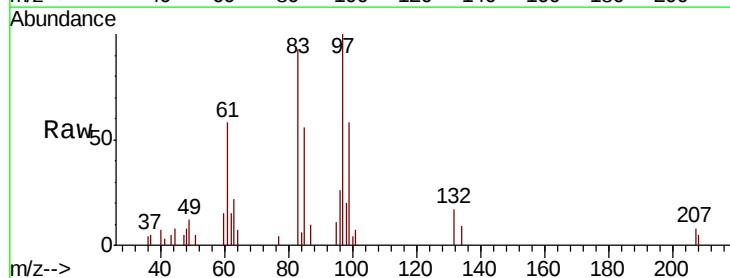
Ion Ratio Lower Upper

97 100

83 93.1 60.1 111.5

85 55.7 38.9 72.2

99 57.6 43.0 80.0

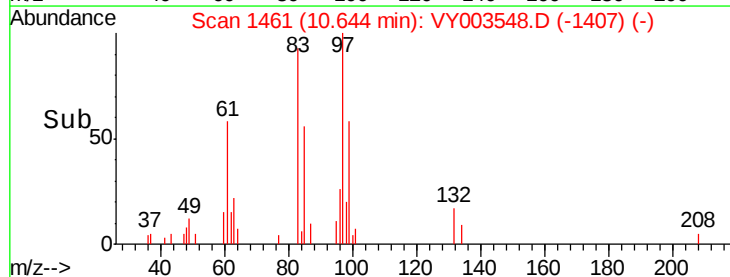
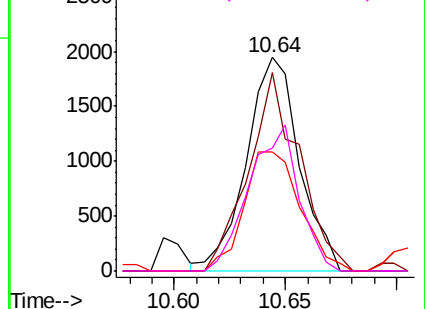


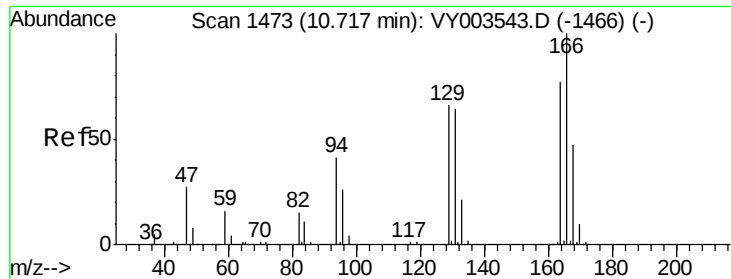
Abundance Ion 97.00 (96.70 to 97.70): VY0

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: 1.167 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion:164 Resp: 3434

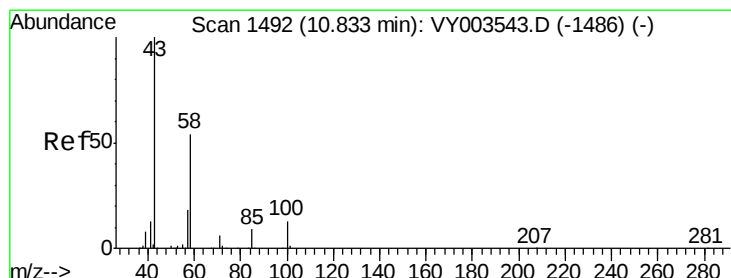
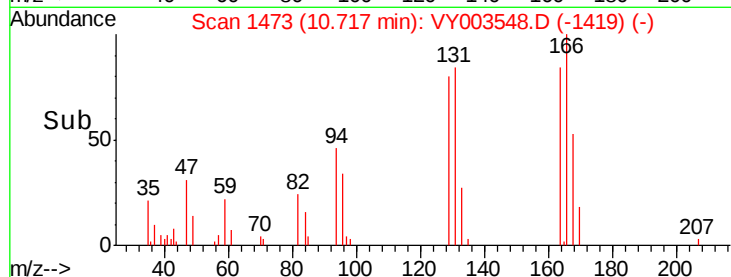
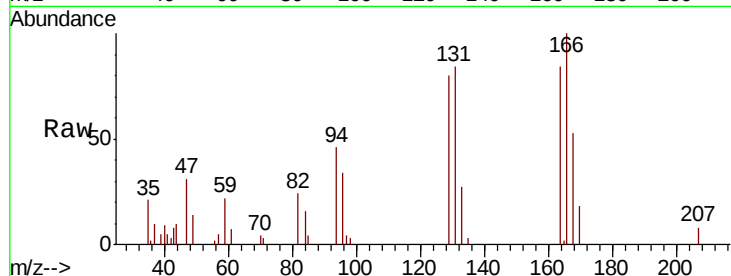
Ion Ratio Lower Upper

164 100

129 96.1 60.6 112.6

131 100.2 58.7 109.1

166 119.4 91.2 169.4



#49

2-Hexanone

Concen: 2.351 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Tgt Ion: 43 Resp: 5123

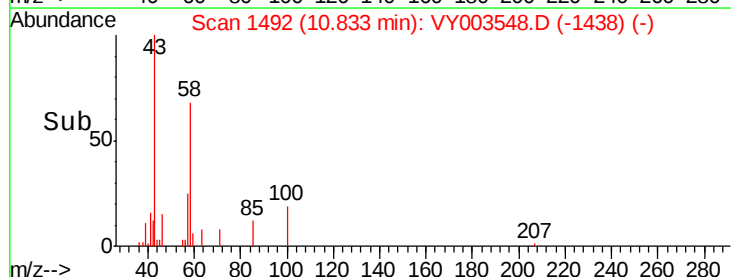
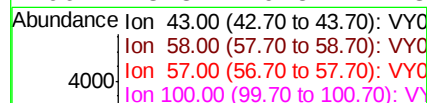
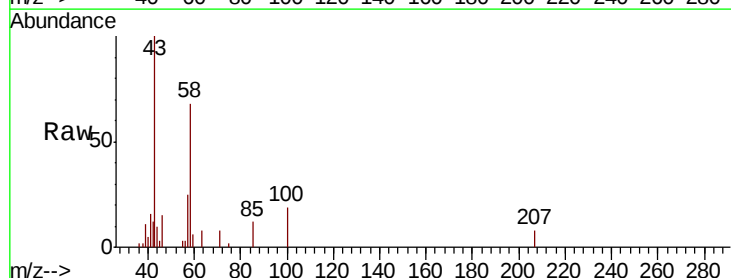
Ion Ratio Lower Upper

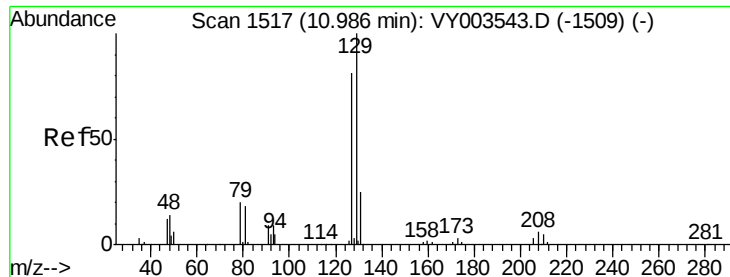
43 100

58 53.2 42.1 63.1

57 18.4 14.2 21.2

100 13.8 9.5 14.3





#50

Dibromochloromethane

Concen: 1.188 ug/L

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

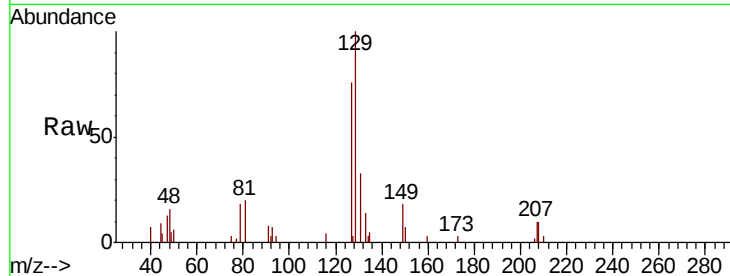
MDL01

Tot Ion:129 Resp: 3773

Ion Ratio Lower Upper

129 100

127 79.3 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.98

2500

2000

1500

1000

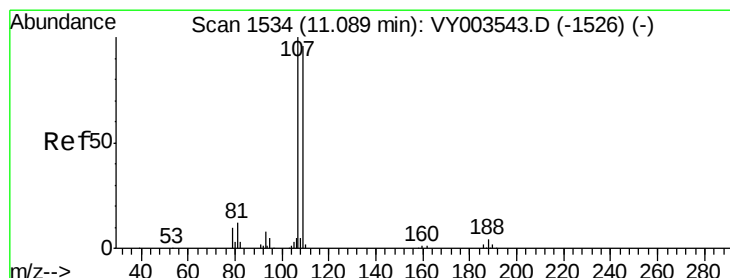
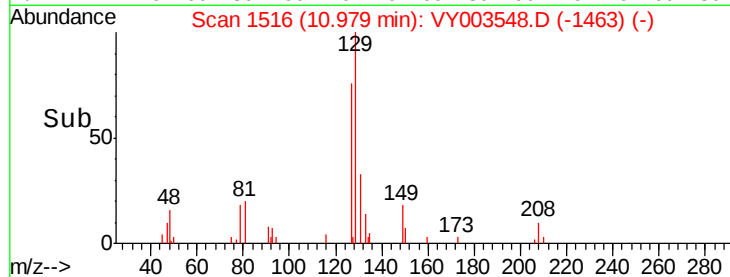
500

0

10.95

11.00

Time-->



#51

1,2-Dibromoethane

Concen: 1.272 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

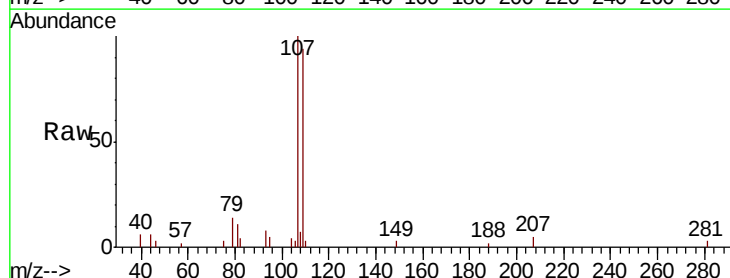
Tgt Ion:107 Resp: 3340

Ion Ratio Lower Upper

107 100

109 94.0 66.8 124.2

188 2.5 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

11.09

2500

2000

1500

1000

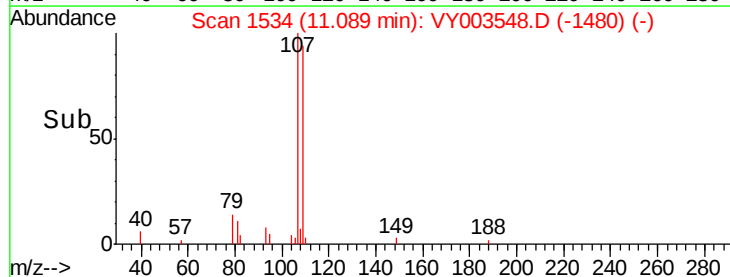
500

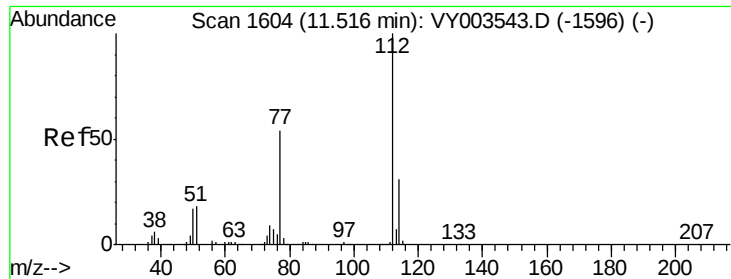
0

11.05

11.10

Time-->





#52

Chlorobenzene

Concen: 1.242 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

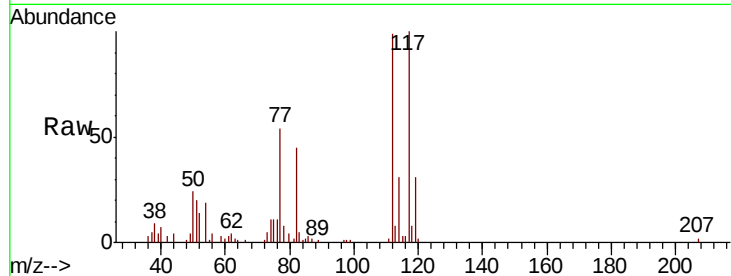
Tot Ion:112 Resp: 11183

Ion Ratio Lower Upper

112 100

77 54.6 43.3 64.9

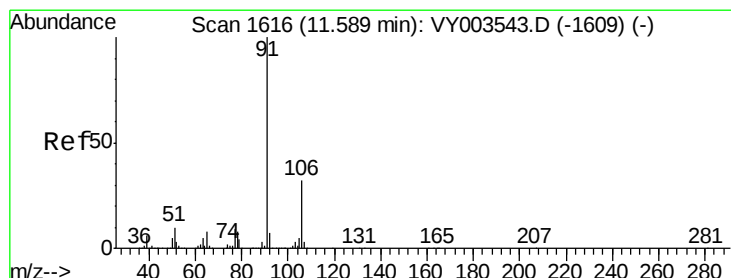
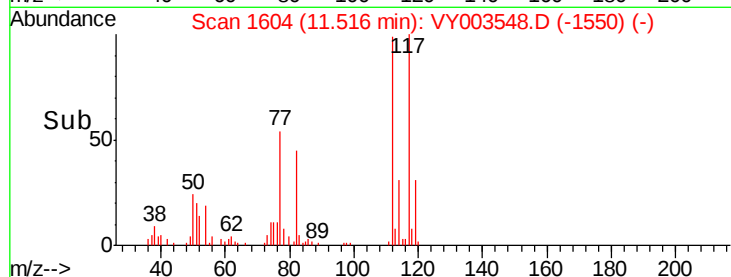
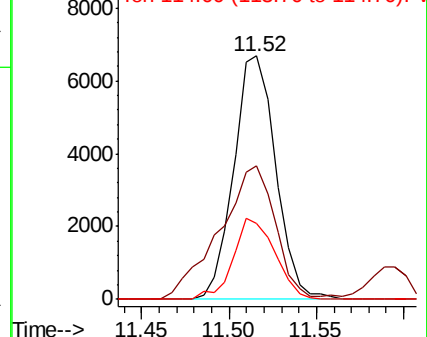
114 31.0 21.9 40.7



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: 1.118 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003548.D

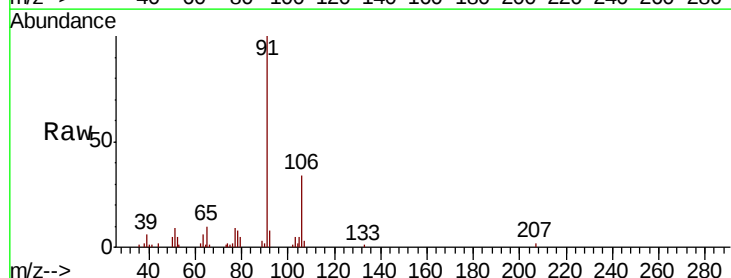
Acq: 19 Nov 2020 15:19

Tgt Ion: 91 Resp: 16182

Ion Ratio Lower Upper

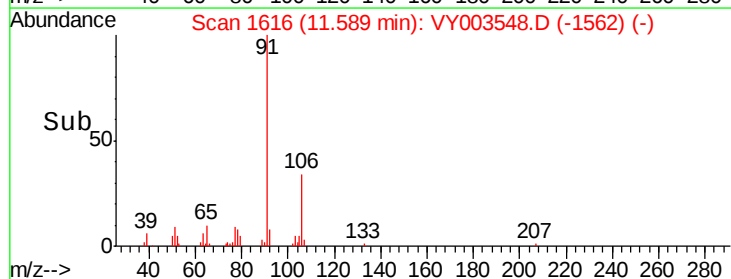
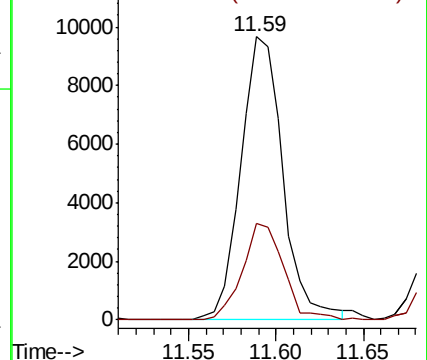
91 100

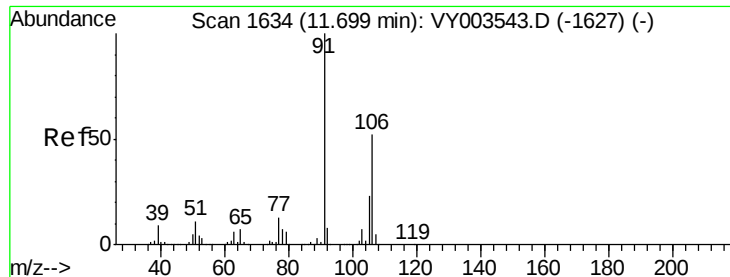
106 34.3 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.154 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

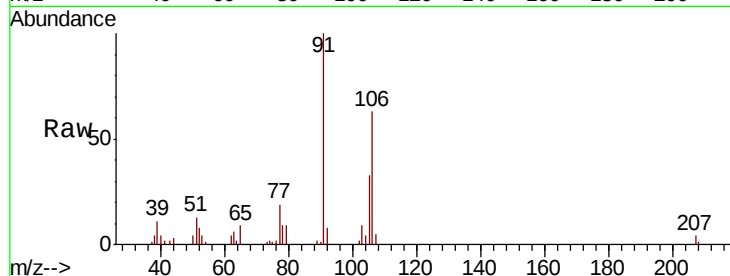
MDL01

Tot Ion:106 Resp: 6431

Ion Ratio Lower Upper

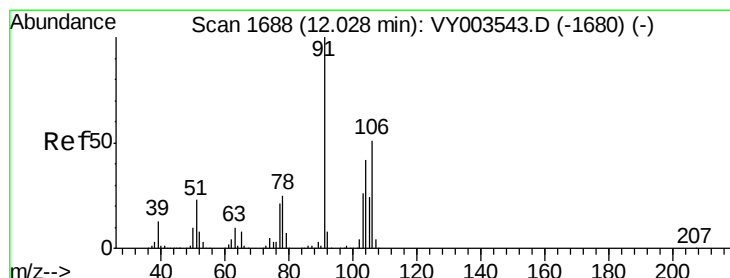
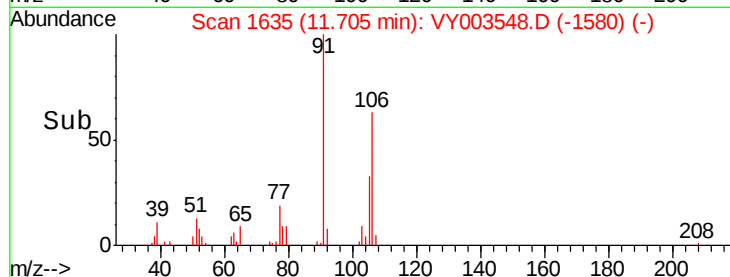
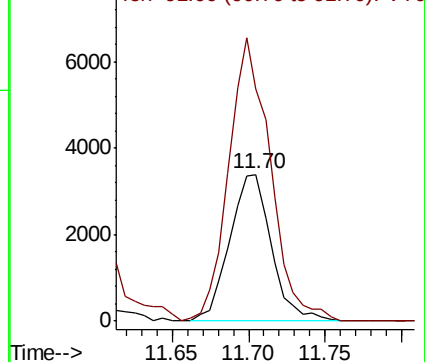
106 100

91 158.6 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 1.169 ug/L

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY003548.D

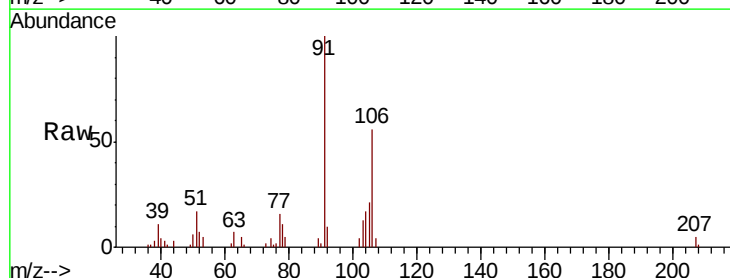
Acq: 19 Nov 2020 15:19

Tgt Ion:106 Resp: 5438

Ion Ratio Lower Upper

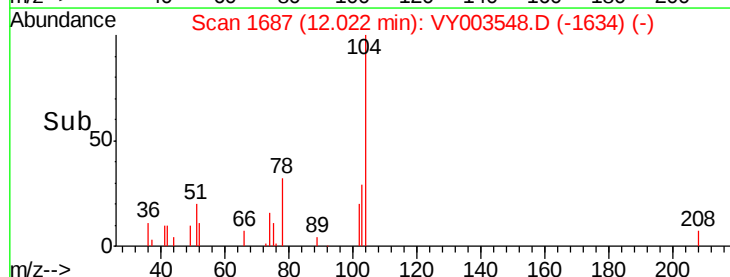
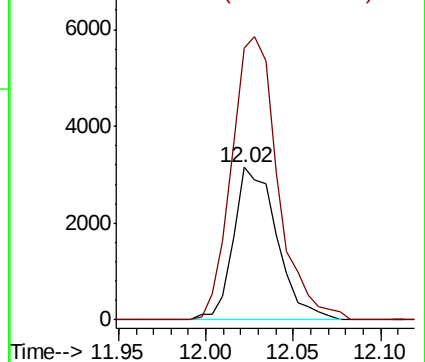
106 100

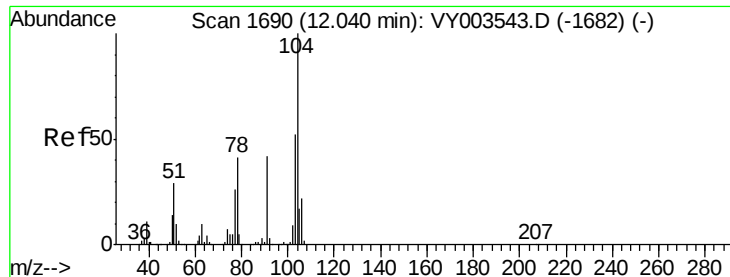
91 178.4 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Stvrene

Concen: 1.071 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

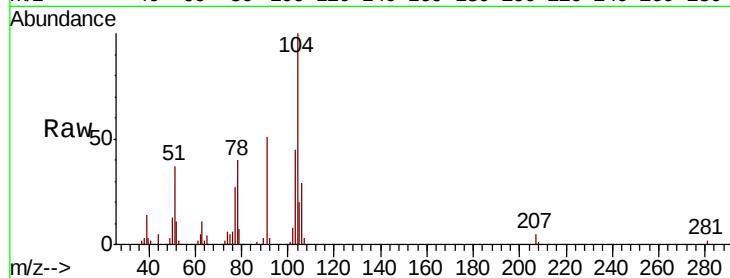
MDL01

Tot Ion:104 Resp: 9756

Ion Ratio Lower Upper

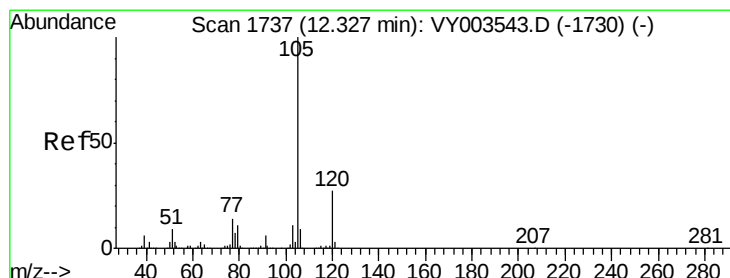
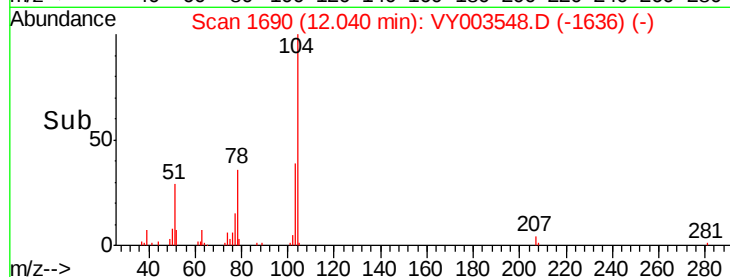
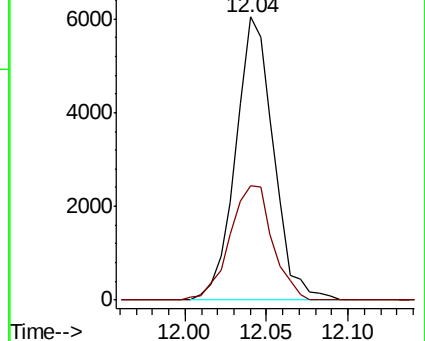
104 100

78 40.4 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: 1.076 ug/L

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

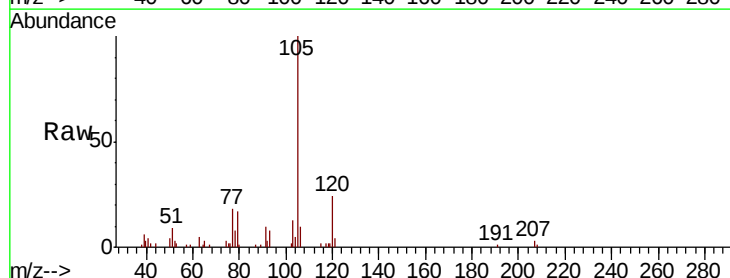
Tgt Ion:105 Resp: 11325

Ion Ratio Lower Upper

105 100

120 25.5 21.7 32.5

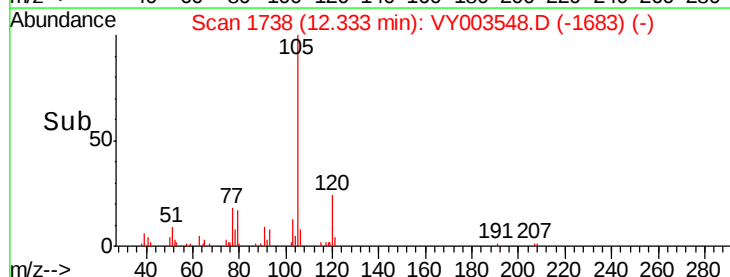
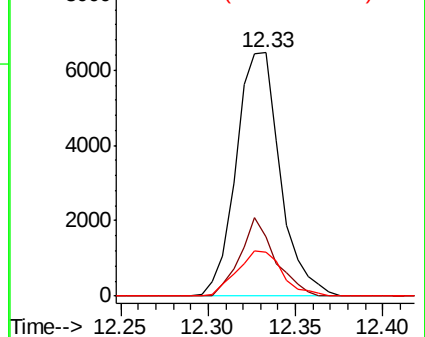
77 19.1 12.1 18.1#

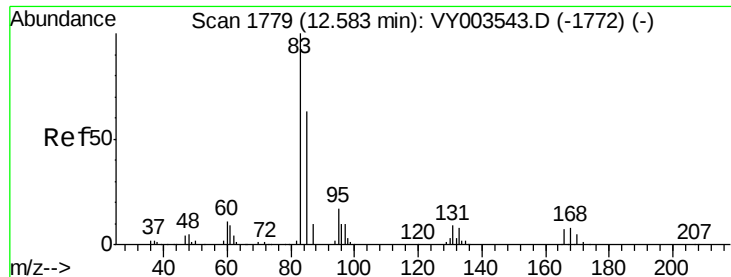


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.313 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

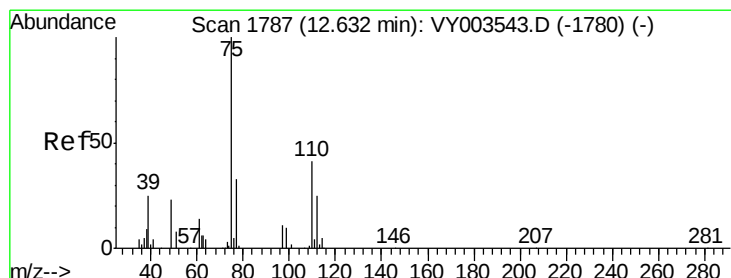
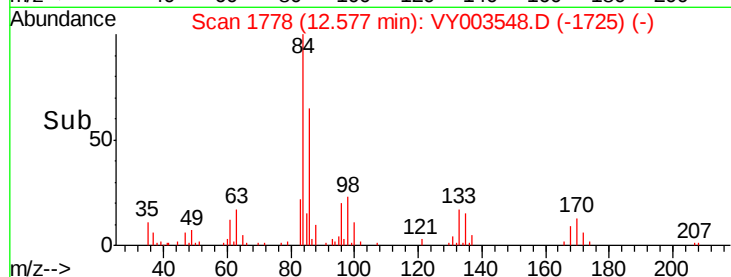
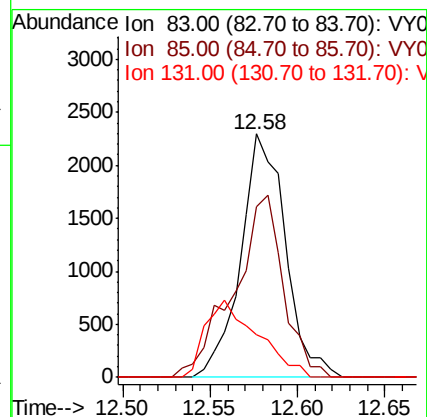
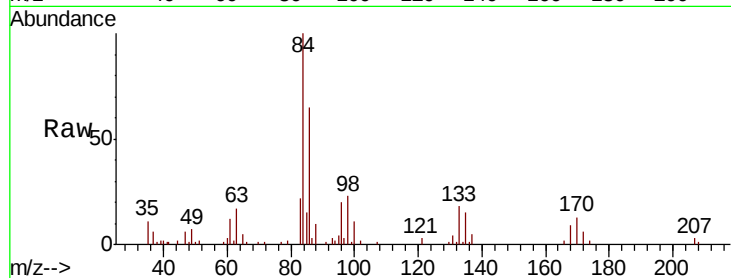
Tot Ion: 83 Resp: 4079

Ion Ratio Lower Upper

83 100

85 70.2 44.8 83.2

131 17.4 7.3 10.9#



#59

1,2,3-Trichloropropane

Concen: 1.186 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003548.D

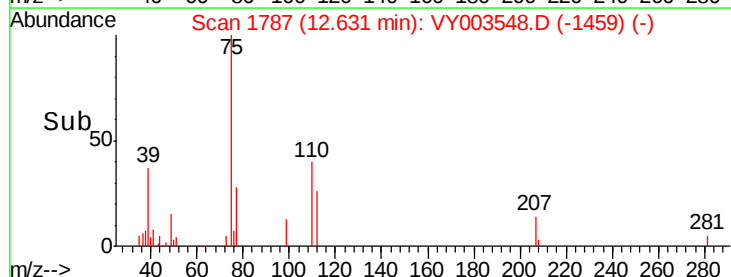
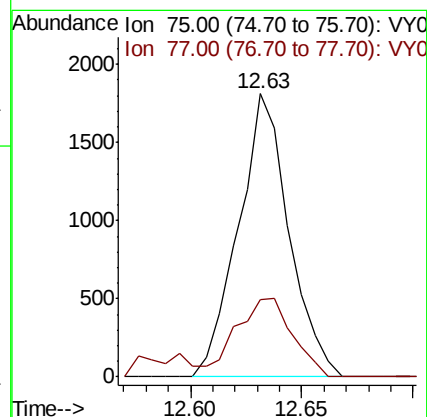
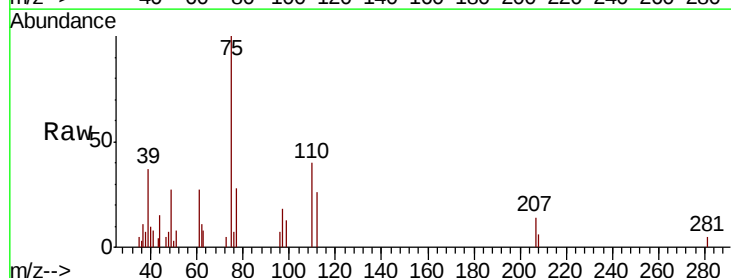
Acq: 19 Nov 2020 15:19

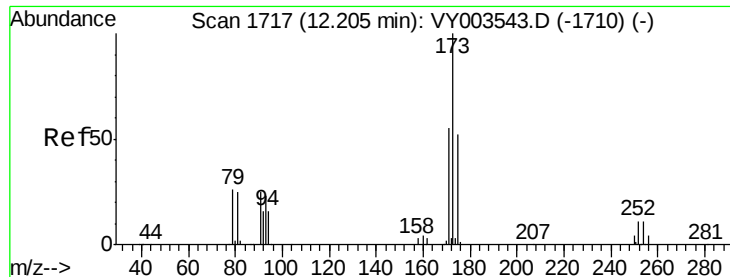
Tgt Ion: 75 Resp: 2868

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

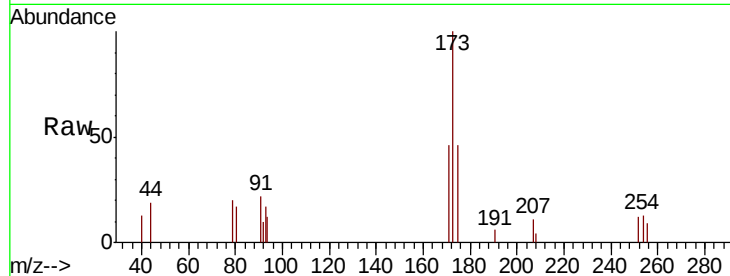




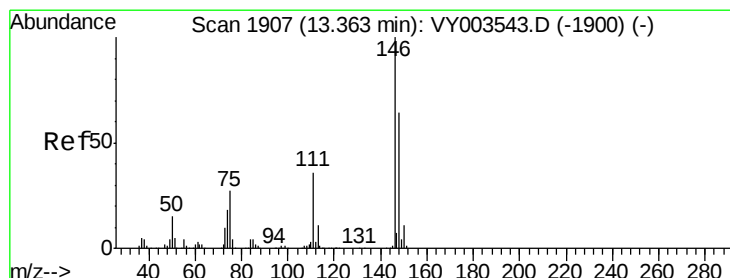
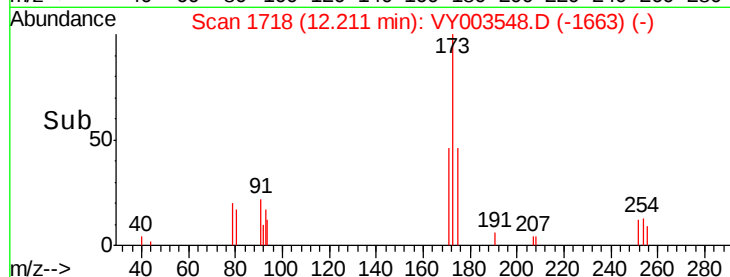
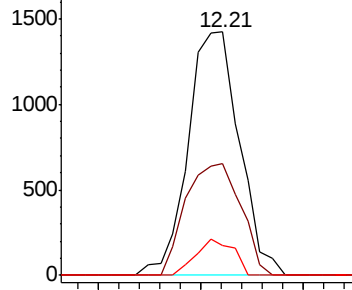
#62
Bromoform
Concen: 1.247 ug/L
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion:173 Resp: 2493
Ion Ratio Lower Upper
173 100
175 49.1 39.5 59.3
254 11.0 8.6 12.8

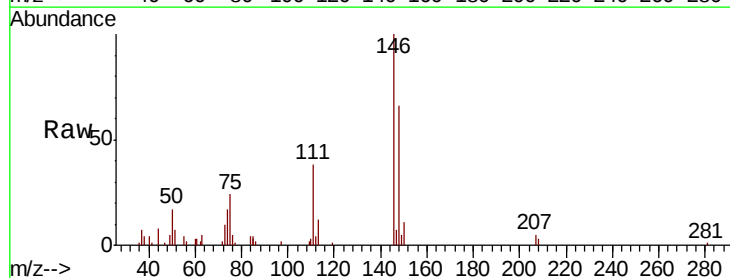


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

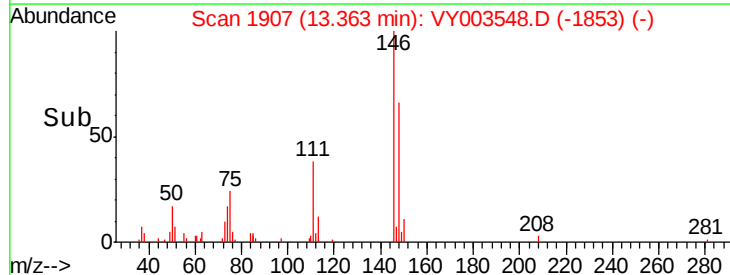
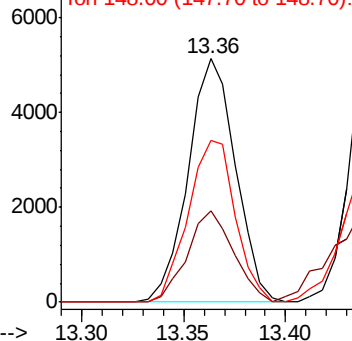


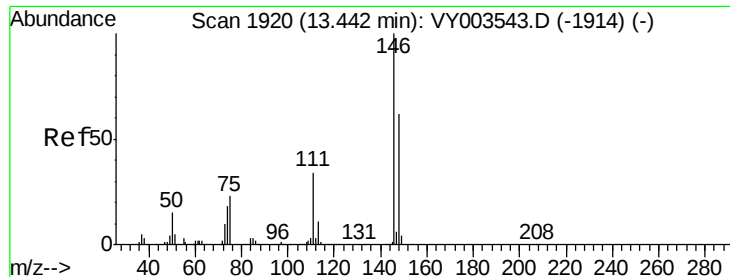
#63
1,3-Dichlorobenzene
Concen: 1.336 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003548.D
Acq: 19 Nov 2020 15:19

Tgt Ion:146 Resp: 8300
Ion Ratio Lower Upper
146 100
111 37.6 25.1 46.5
148 66.2 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

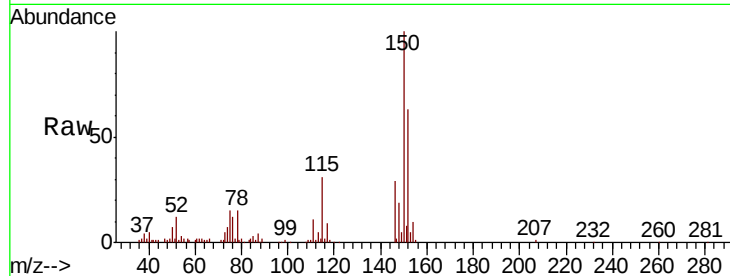




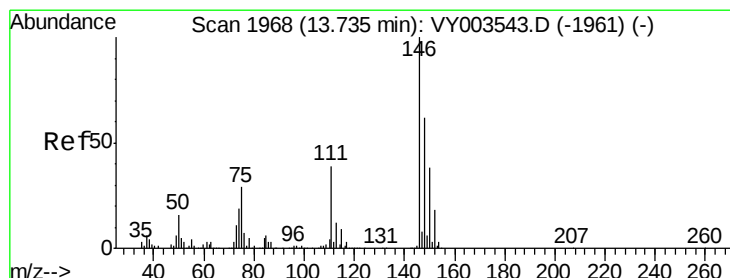
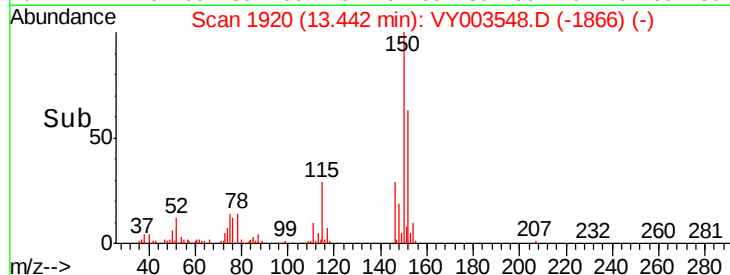
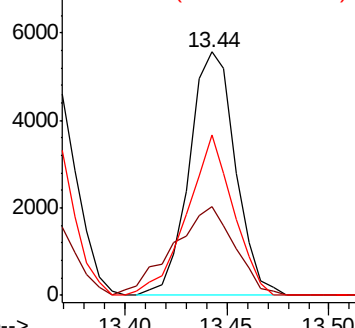
#64
 1,4-Dichlorobenzene
 Concen: 1.368 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	24.1	44.8
148	65.8	43.6	81.0

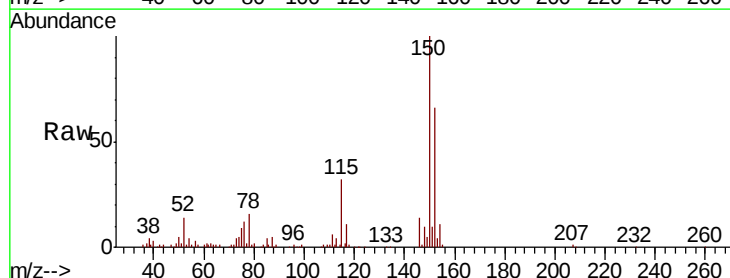


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

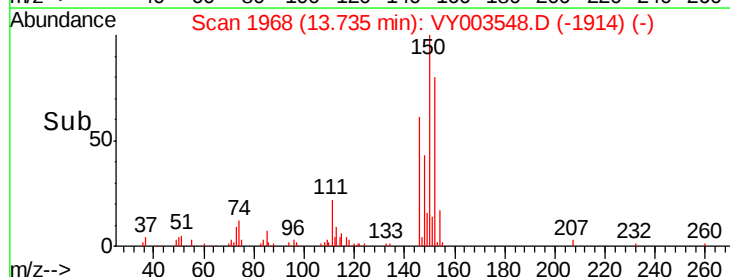
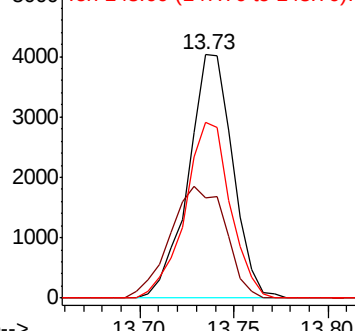


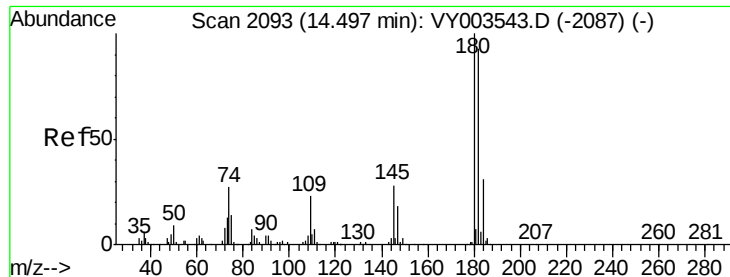
#65
 1,2-Dichlorobenzene
 Concen: 1.288 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	31.0	46.6
148	72.1	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

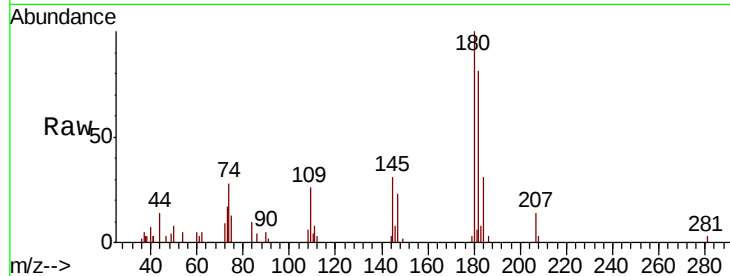




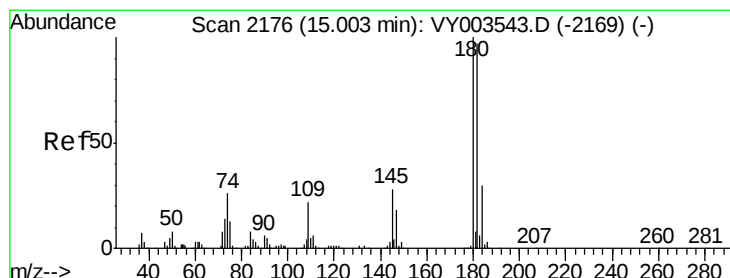
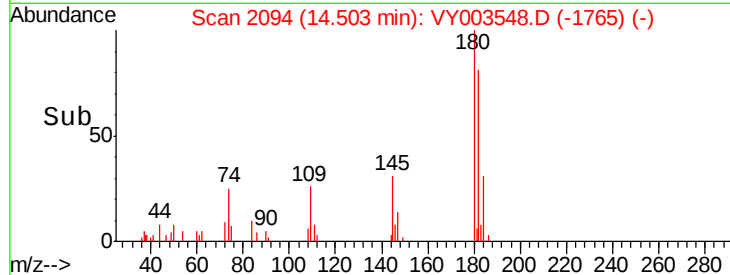
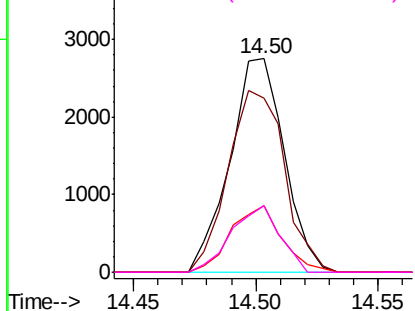
#67
 1,3,5-Trichlorobenzene
 Concen: 1.295 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 4268
 Ion Ratio Lower Upper
 180 100
 182 88.2 77.3 115.9
 184 29.4 24.4 36.6
 145 27.9 22.4 33.6

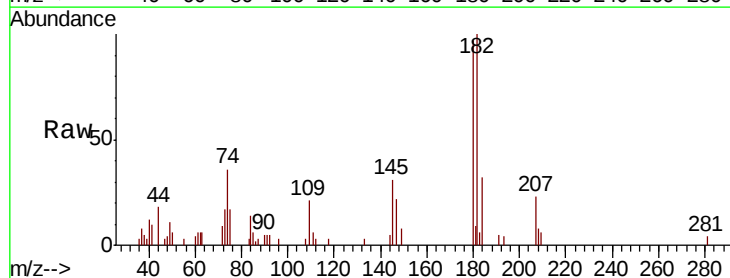


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

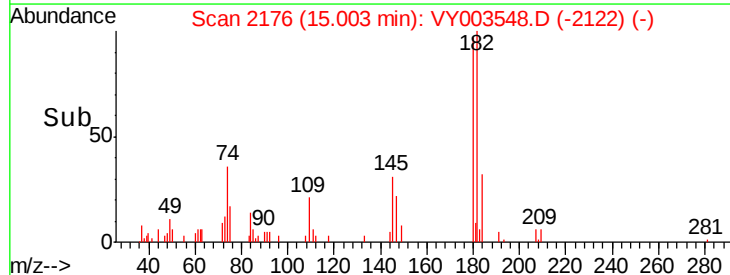
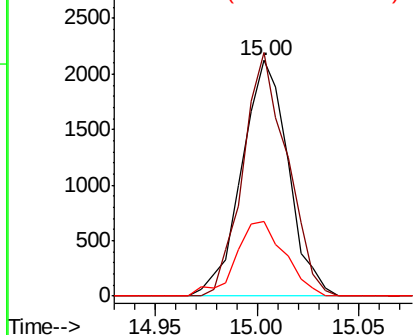


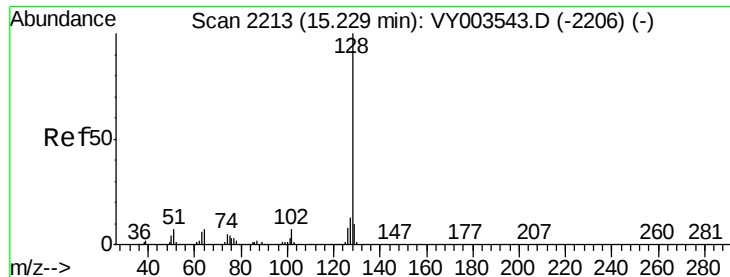
#68
 1,2,4-trichlorobenzene
 Concen: 1.182 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003548.D
 Acq: 19 Nov 2020 15:19

Tgt Ion:180 Resp: 3355
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.5 114.7
 145 31.8 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: 1.163 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

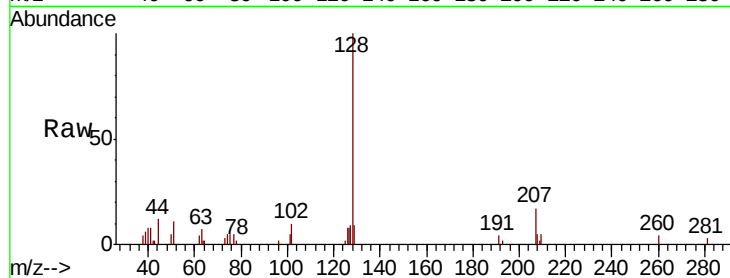
Tot Ion:128 Resp: 5827

Ion Ratio Lower Upper

128 100

129 12.2 8.5 12.7

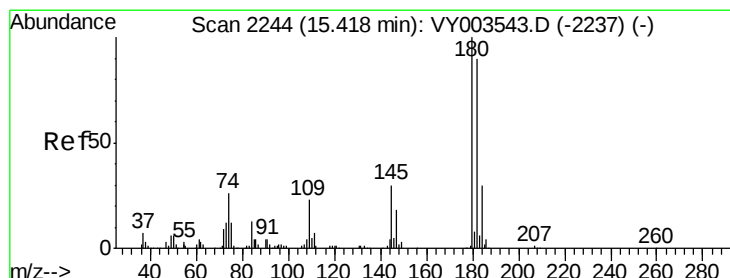
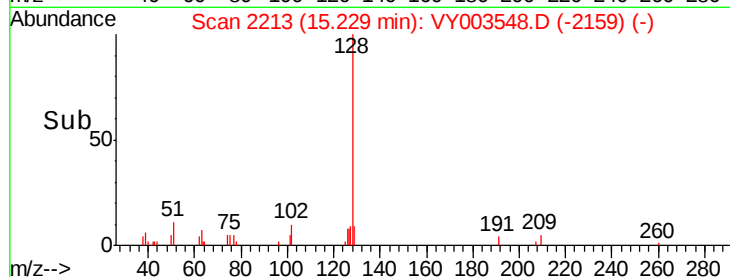
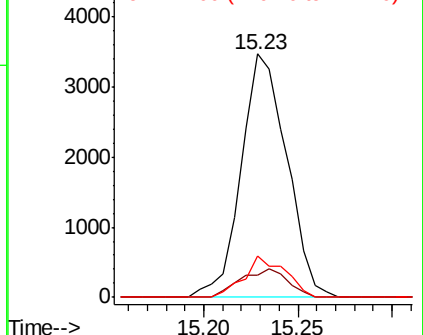
127 15.2 10.2 15.2



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: 1.228 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY003548.D

Acq: 19 Nov 2020 15:19

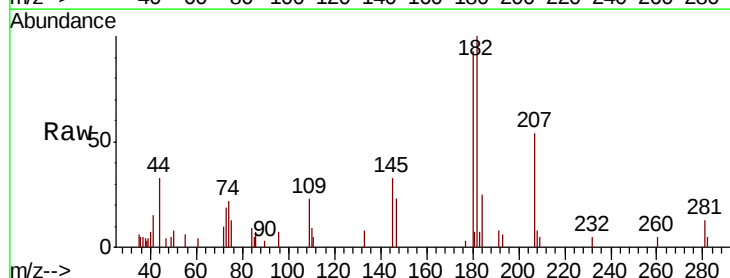
Tgt Ion:180 Resp: 2636

Ion Ratio Lower Upper

180 100

182 97.6 76.5 114.7

145 31.0 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

