

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003549.D
 Acq On : 19 Nov 2020 15:50
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Quant Time: Nov 20 01:44:44 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	238214	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216526	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	101615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	51375	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.28%
7) Chloroethane-d5	2.77	69	49415	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
10) 1,1-Dichloroethene-d2	3.86	63	97653	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	6.91	46	56525	42.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.40%
24) Chloroform-d	7.49	84	130654	21.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.32%
26) 1,2-Dichloroethane-d4	8.15	65	76021	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.60%
29) Benzene-d6	8.11	84	273804	21.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.80%
33) 1,2-Dichloropropane-d6	9.13	67	81658	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.32%
37) Toluene-d8	10.18	98	244109	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.44	79	39467	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.79	63	40681	42.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	67057	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	73453	22.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.56%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.93	85	744	0.589 ug/L # 82
3) Chloromethane	2.11	50	3392	1.276 ug/L 93
5) Vinyl chloride	2.26	62	4301	1.355 ug/L # 59
6) Bromomethane	2.67	94	3231	1.311 ug/L 96
8) Chloroethane	2.80	64	2496	1.158 ug/L 99
9) Trichlorofluoromethane	3.13	101	3041	1.000 ug/L 90
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	1894	0.600 ug/L # 57
12) 1,1-Dichloroethene	3.88	96	4905	1.487 ug/L # 1
14) Carbon disulfide	4.20	76	12744	1.166 ug/L # 95
16) Methylene chloride	4.72	84	12804	3.135 ug/L 94
17) Methyl tert-butyl Ether	5.22	73	6220	1.207 ug/L # 71
18) trans-1,2-Dichloroethene	5.23	96	3999	1.150 ug/L 91
19) 1,1-Dichloroethane	6.03	63	7232	1.232 ug/L 98
22) cis-1,2-Dichloroethene	6.99	96	2507	0.702 ug/L 84
23) Bromochloromethane	7.33	128	2139	1.237 ug/L 83
25) Chloroform	7.52	83	7794	1.335 ug/L 75
27) 1,2-Dichloroethane	8.24	62	4853	1.230 ug/L # 77

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

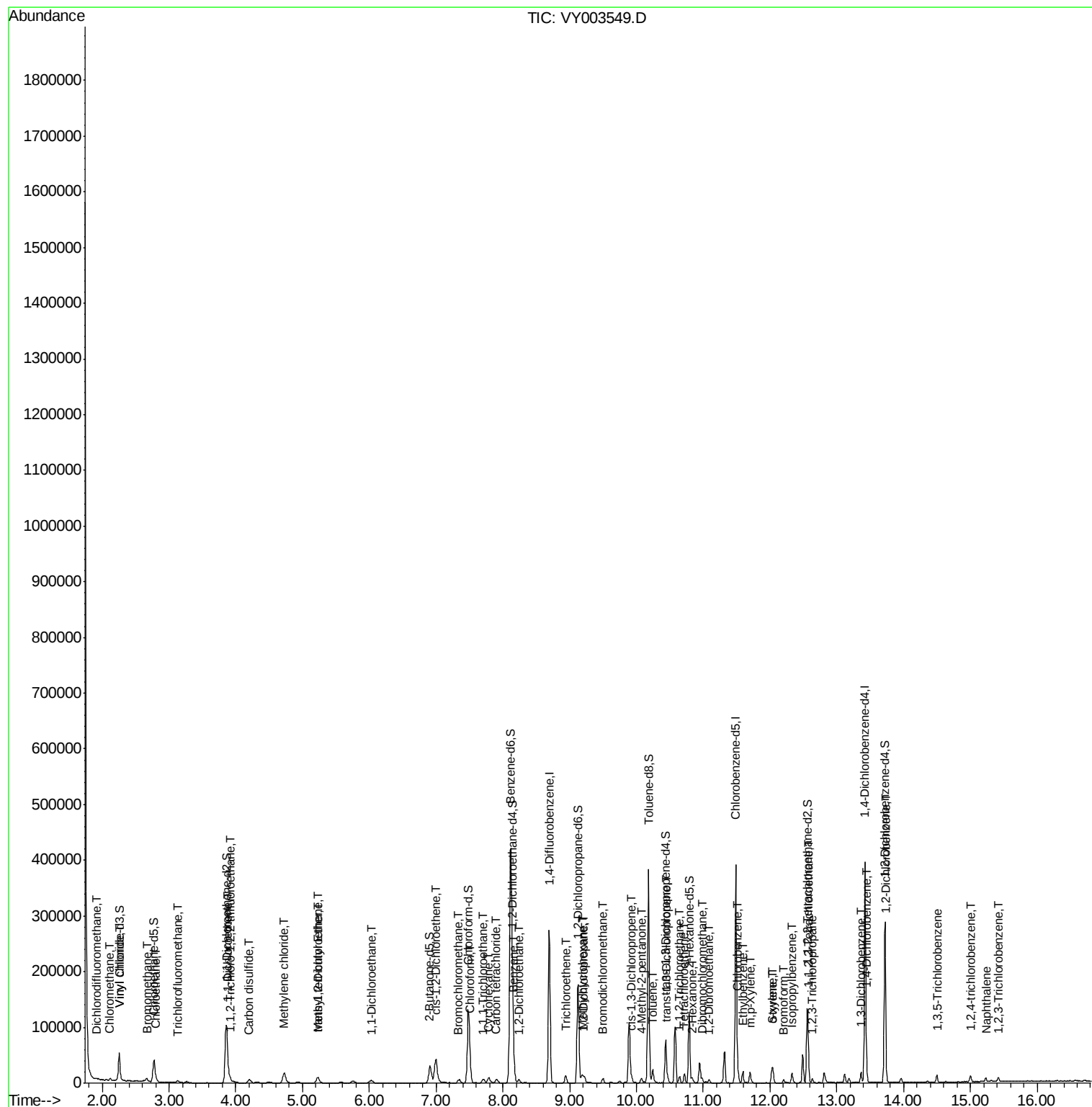
30) Cyclohexane	7.79	56	5588	1.061	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	5270	1.119	ug/L	97
32) Carbon tetrachloride	7.91	117	5040	1.126	ug/L	100
34) Benzene	8.17	78	16172	1.184	ug/L	100
35) Trichloroethene	8.94	95	4437	1.283	ug/L	93
36) Methylcyclohexane	9.19	83	5493	1.016	ug/L	94
40) 1,2-Dichloropropane	9.22	63	4220	1.253	ug/L #	97
41) Bromodichloromethane	9.50	83	5048	1.174	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6483	1.221	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	6260	2.222	ug/L	98
44) Toluene	10.25	91	16948	1.177	ug/L	94
45) trans-1,3-Dichloropropene	10.46	75	7292	1.491	ug/L	89
46) 1,1,2-Trichloroethane	10.64	97	3252	1.209	ug/L	94
47) Tetrachloroethene	10.72	164	3377	1.123	ug/L	89
49) 2-Hexanone	10.83	43	4948	2.223	ug/L	97
50) Dibromochloromethane	10.99	129	3888	1.198	ug/L	76
51) 1,2-Dibromoethane	11.09	107	3146	1.173	ug/L	90
52) Chlorobenzene	11.52	112	11123	1.210	ug/L	92
53) Ethylbenzene	11.59	91	15308	1.035	ug/L	99
54) m,p-Xylene	11.70	106	5880	1.033	ug/L	100
55) o-xylene	12.03	106	4869	1.025	ug/L	93
56) Styrene	12.04	104	9512	1.022	ug/L	96
57) Isopropylbenzene	12.33	105	10930	1.016	ug/L	95
58) 1,1,2,2-Tetrachloroethane	12.58	83	3825	1.205	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	2627	1.063	ug/L	93
62) Bromoform	12.20	173	2264	1.098	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	7764	1.211	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	8655	1.311	ug/L	96
65) 1,2-Dichlorobenzene	13.73	146	6509	1.233	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	3910	1.149	ug/L	95
68) 1,2,4-trichlorobenzene	15.00	180	3331	1.137	ug/L	97
69) Naphthalene	15.23	128	5657	1.094	ug/L	96
70) 1,2,3-Trichlorobenzene	15.42	180	2441	1.102	ug/L #	94

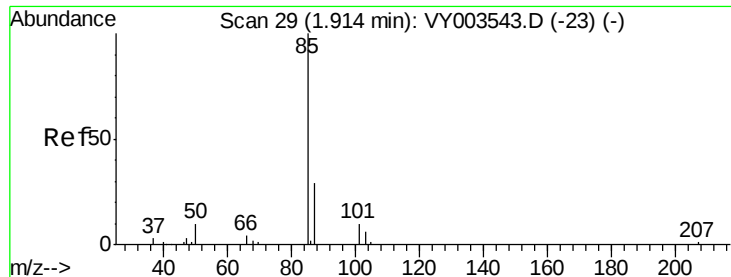
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.589 ug/L

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

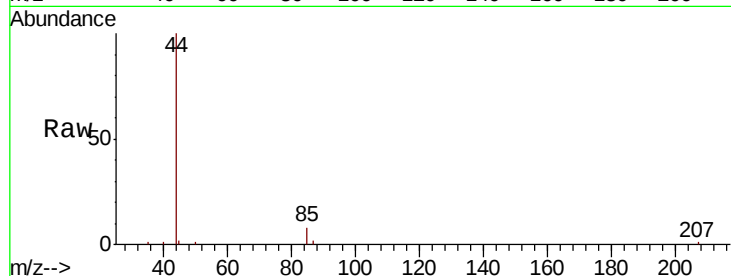
MDL02

Tot Ion: 85 Resp: 744

Ion Ratio Lower Upper

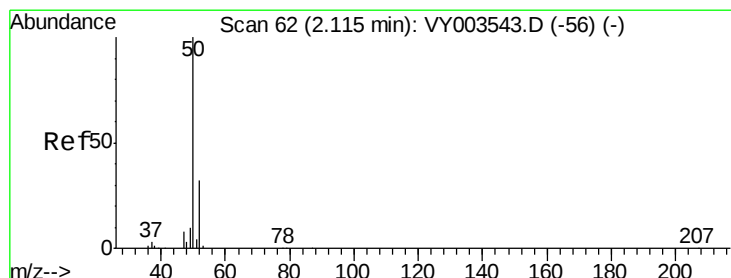
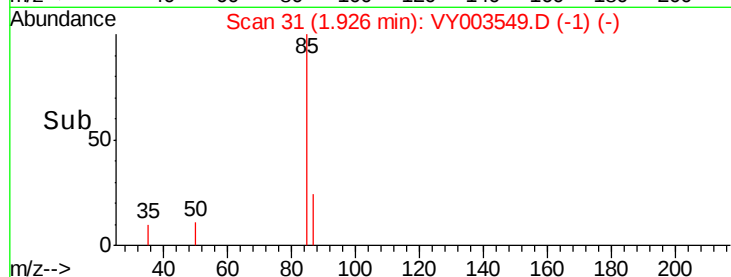
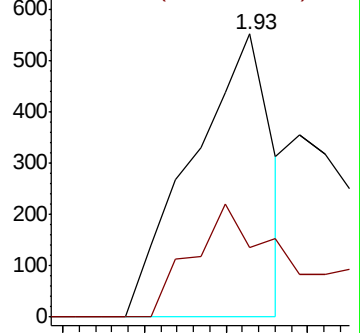
85 100

87 40.2 21.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.276 ug/L

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003549.D

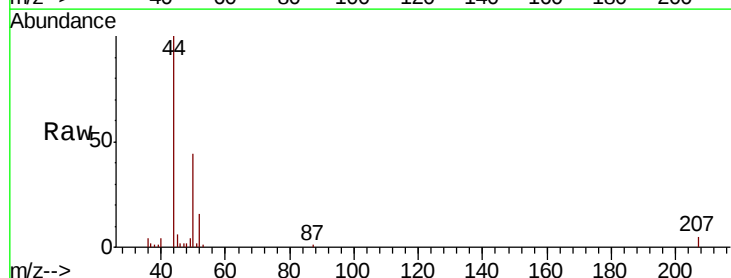
Acq: 19 Nov 2020 15:50

Tgt Ion: 50 Resp: 3392

Ion Ratio Lower Upper

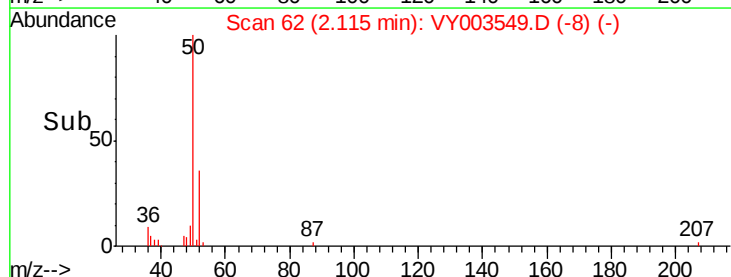
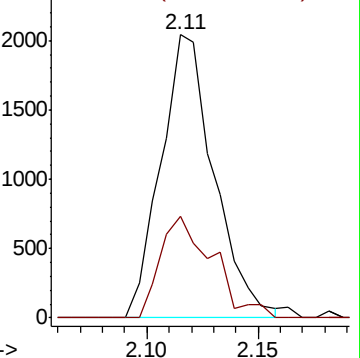
50 100

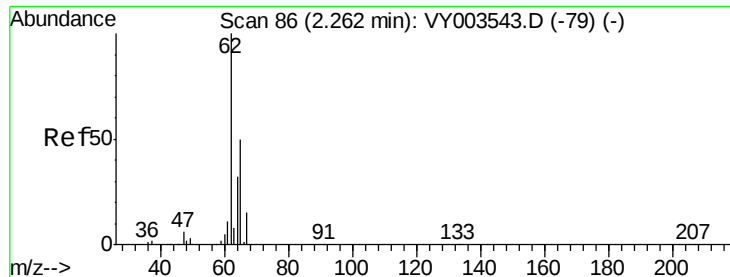
52 35.7 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.355 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

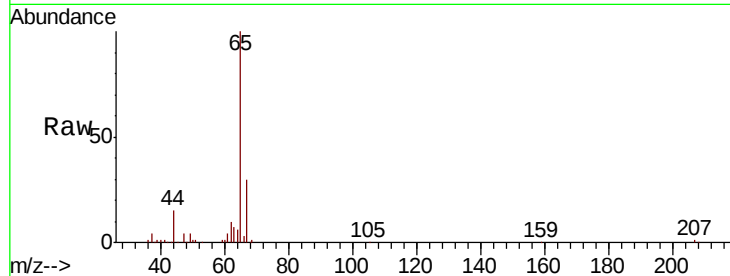
MDL02

Tot Ion: 62 Resp: 4301

Ion Ratio Lower Upper

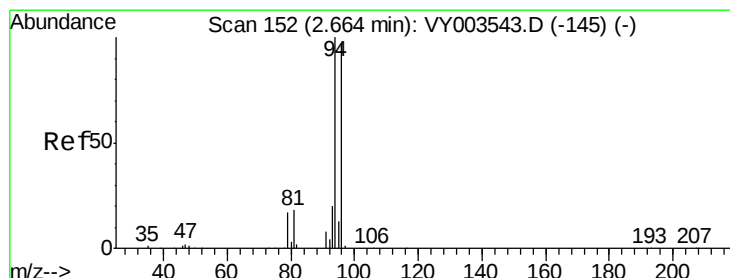
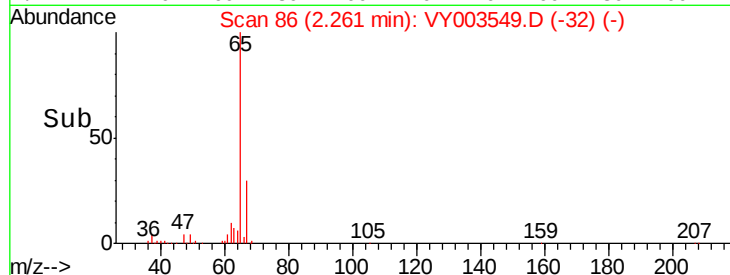
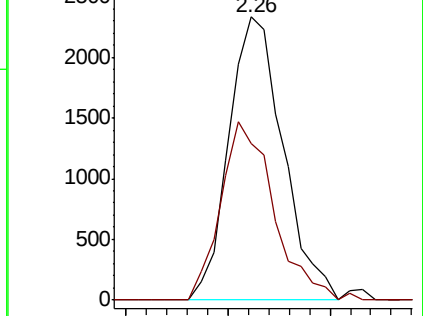
62 100

64 55.3 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: 1.311 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003549.D

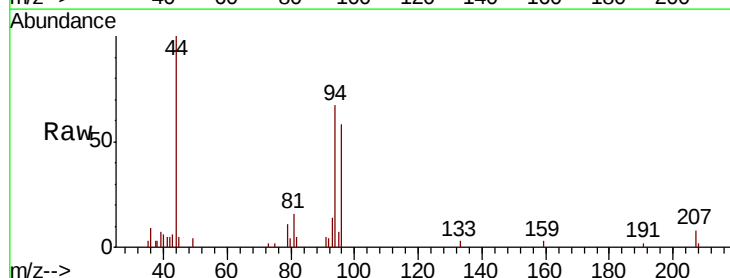
Acq: 19 Nov 2020 15:50

Tgt Ion: 94 Resp: 3231

Ion Ratio Lower Upper

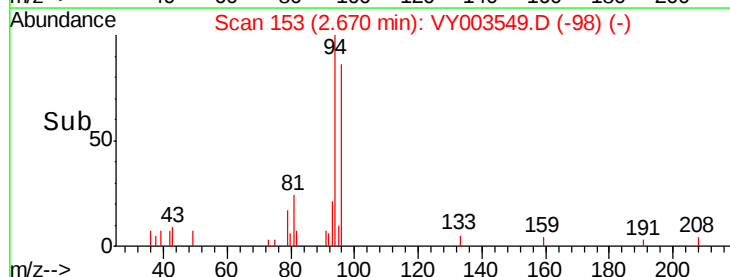
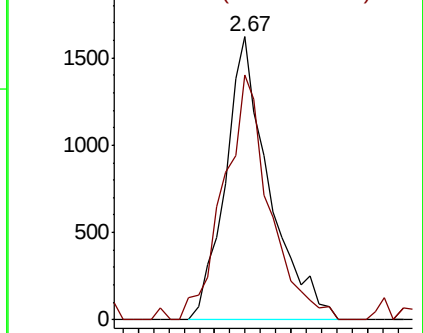
94 100

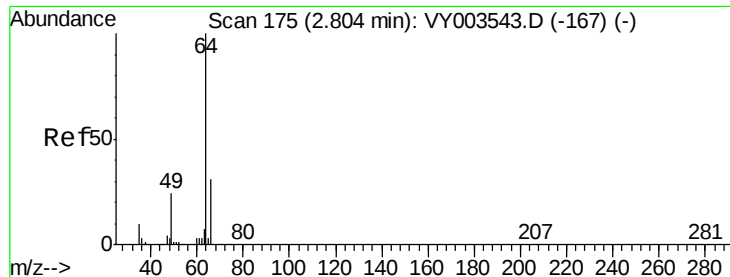
96 89.9 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

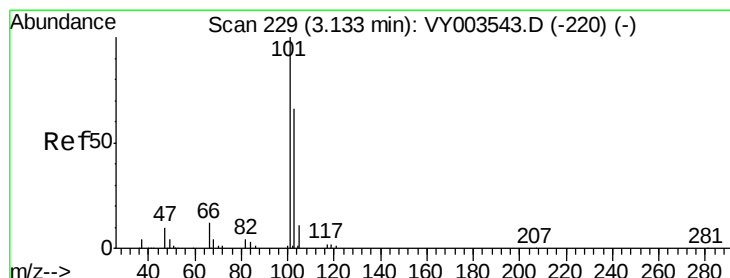
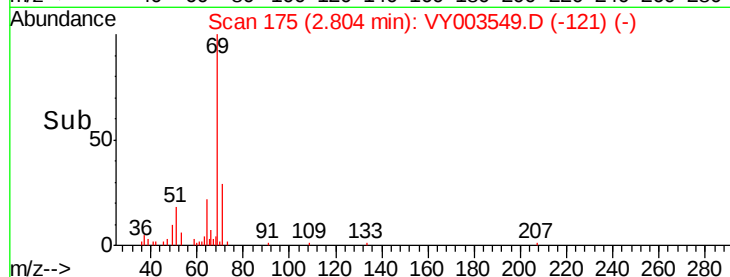
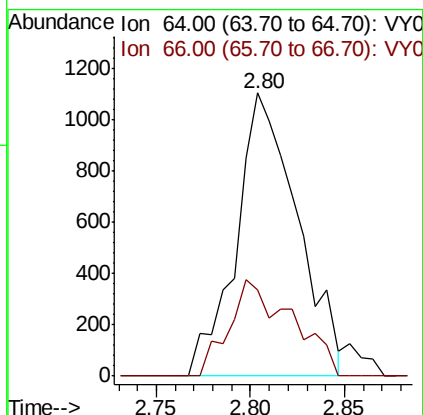
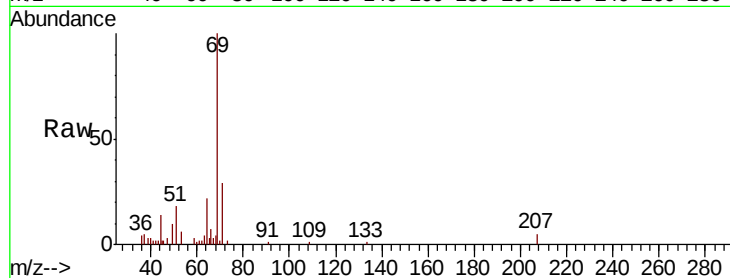




#8
Chloroethane
Concen: 1.158 ug/L
RT: 2.80 min Scan# 175
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

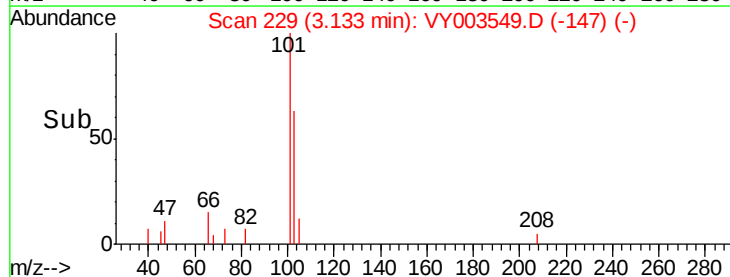
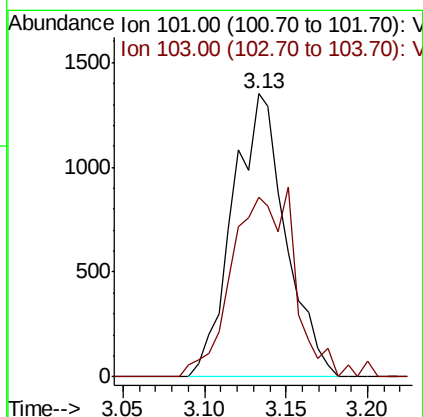
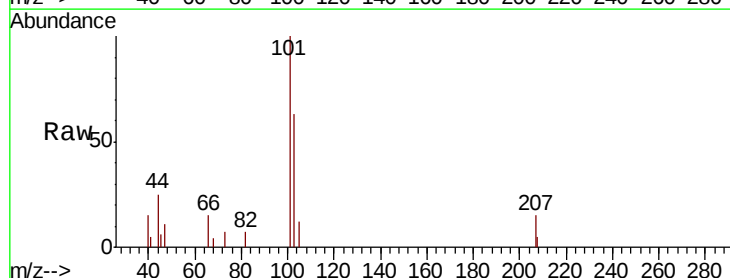
Instrument :
MSVOA_Y
ClientSampled :
MDL02

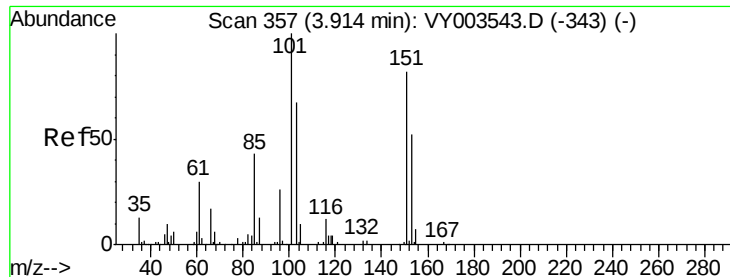
Tot Ion: 64 Resp: 2496
Ion Ratio Lower Upper
64 100
66 30.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.000 ug/L
RT: 3.13 min Scan# 229
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion: 101 Resp: 3041
Ion Ratio Lower Upper
101 100
103 57.1 45.6 84.6





#11

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

Concen: 0.600 ug/L

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

MDL02

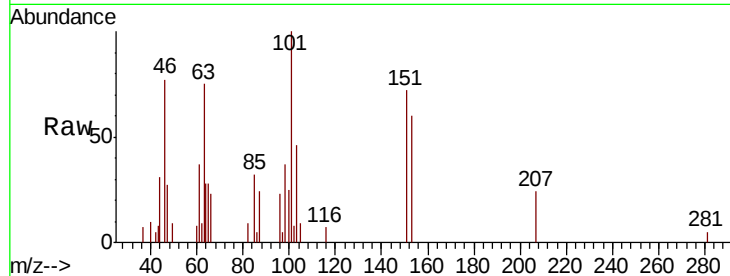
Tot Ion:101 Resp: 1894

Ion Ratio Lower Upper

101 100

85 78.8 35.0 52.4#

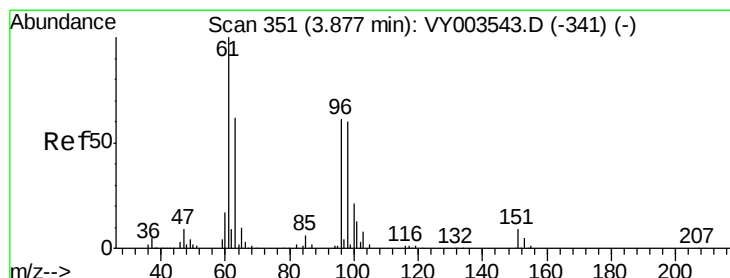
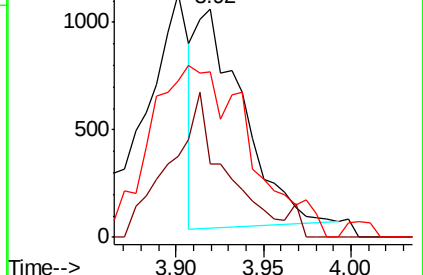
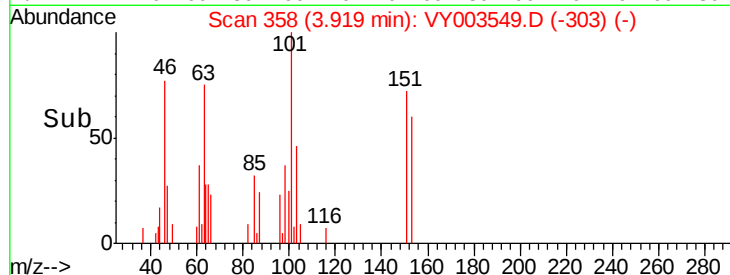
151 114.3 65.4 98.0#



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

Ion 85.00 (84.70 to 85.70): VY003549.D (-303) (-)

Ion 151.00 (150.70 to 151.70): VY003549.D (-303) (-)



#12

1,1-Dichloroethene

Concen: 1.487 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

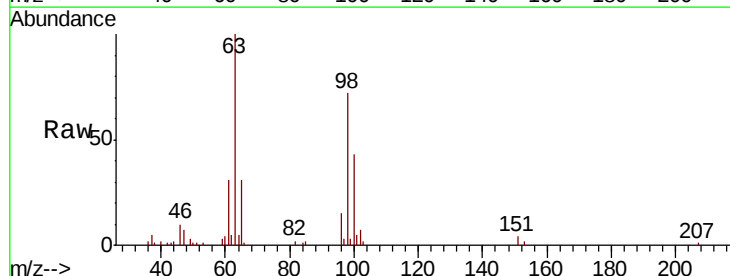
Tgt Ion: 96 Resp: 4905

Ion Ratio Lower Upper

96 100

61 207.3 116.6 216.6

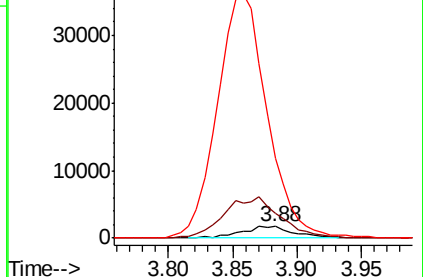
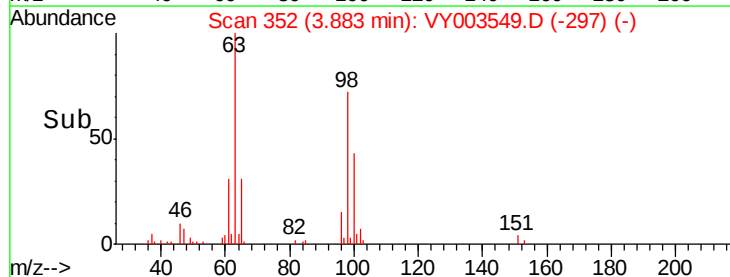
63 675.8 77.5 143.9#

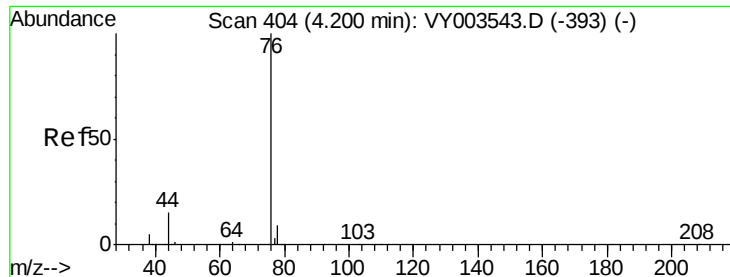


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003549.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003549.D (-297) (-)





#14

Carbon disulfide

Concen: 1.166 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

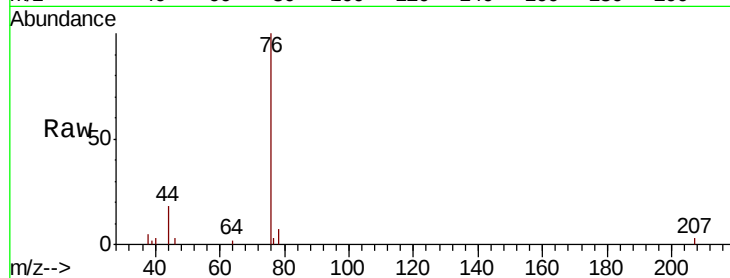
MDL02

Tot Ion: 76 Resp: 12744

Ion Ratio Lower Upper

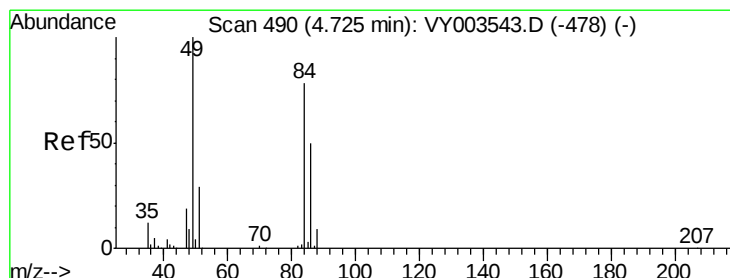
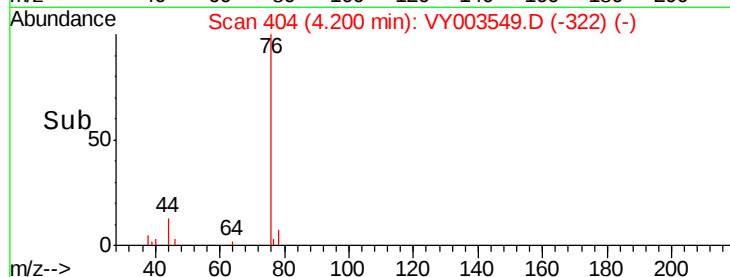
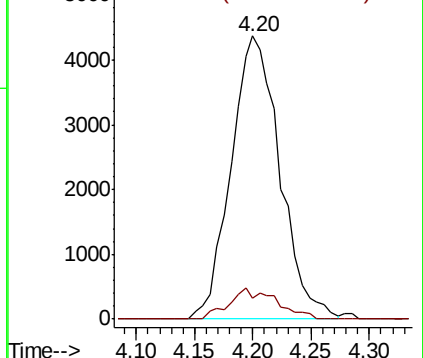
76 100

78 7.2 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: 3.135 ug/L

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

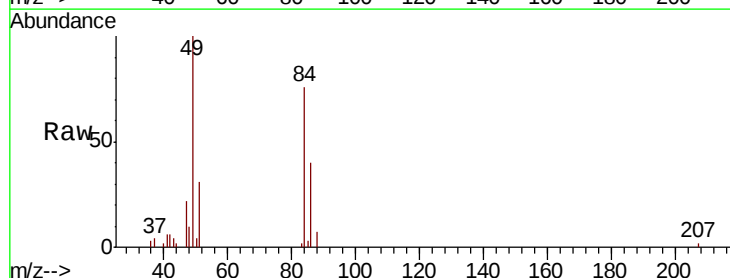
Tgt Ion: 84 Resp: 12804

Ion Ratio Lower Upper

84 100

49 131.0 90.3 167.7

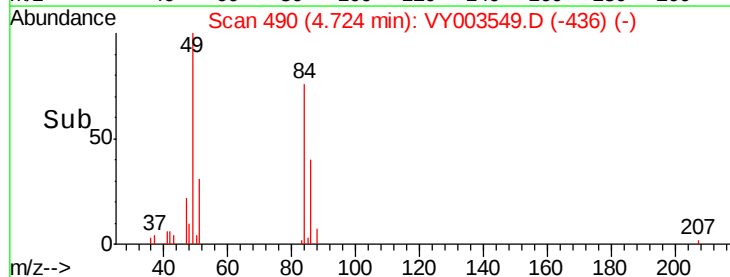
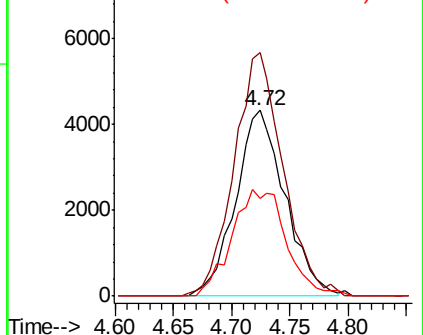
86 52.6 44.7 83.1

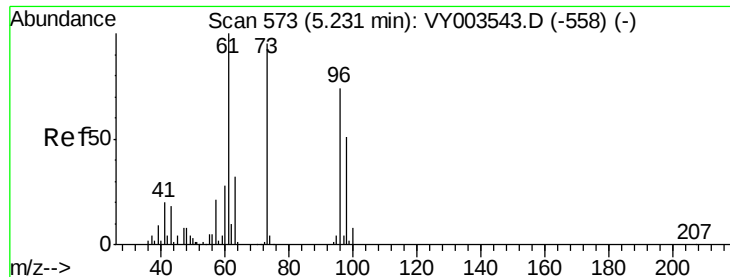


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

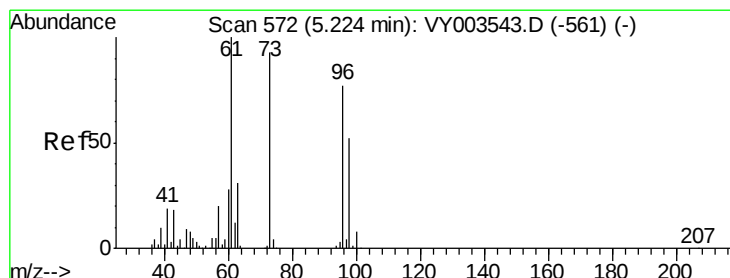
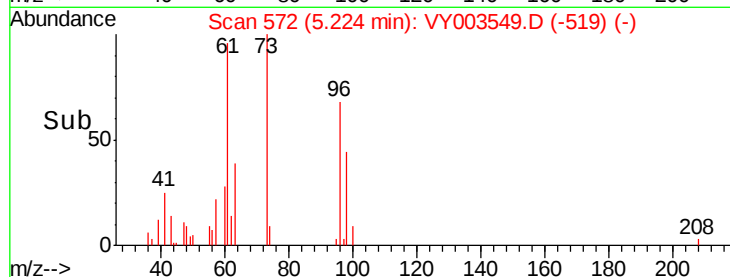
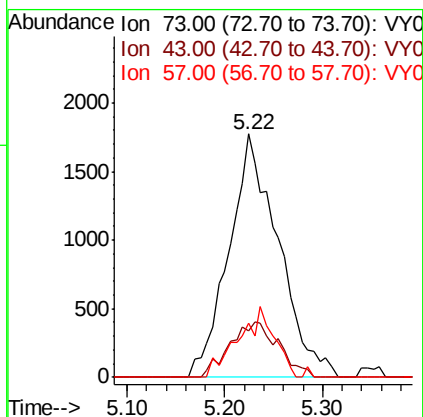
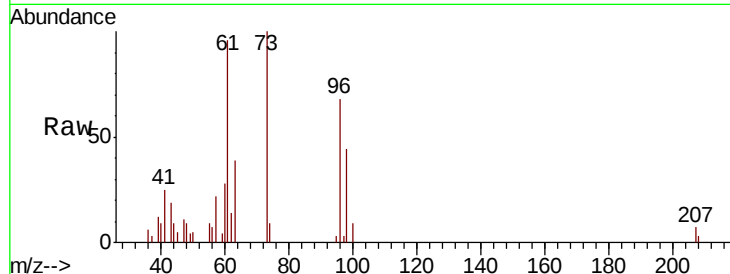




#17
Methvl tert-butvl Ether
Concen: 1.207 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

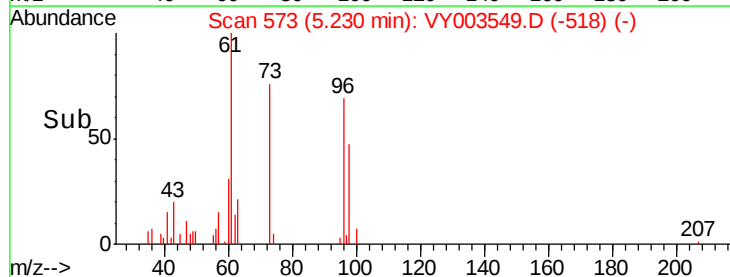
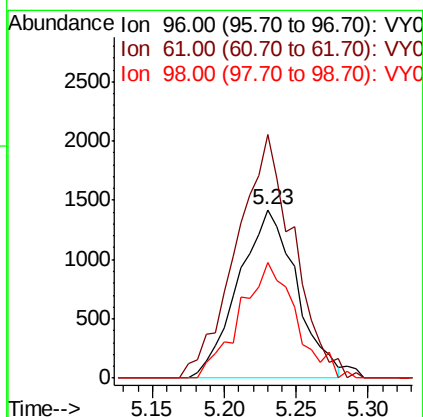
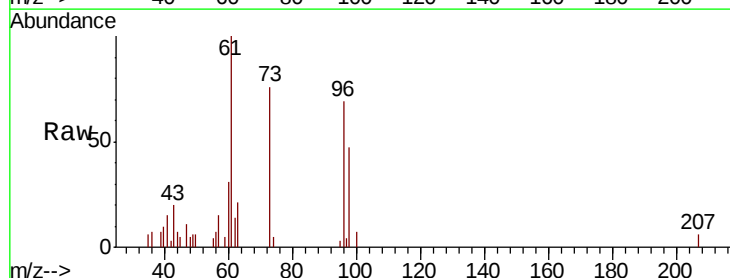
Instrument :
MSVOA_Y
ClientSampleId :
MDL02

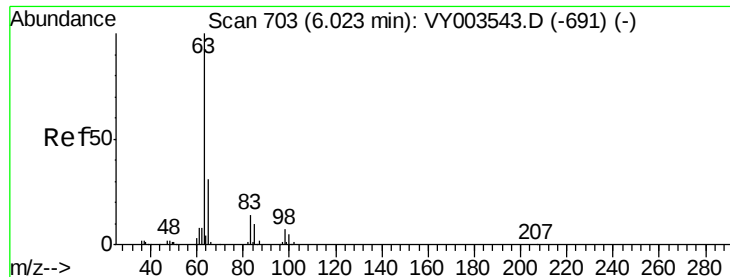
Tot Ion: 73 Resp: 6220
Ion Ratio Lower Upper
73 100
43 0.0 15.9 23.9#
57 9.8 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 1.150 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion: 96 Resp: 3999
Ion Ratio Lower Upper
96 100
61 144.8 90.8 168.6
98 68.4 46.8 87.0

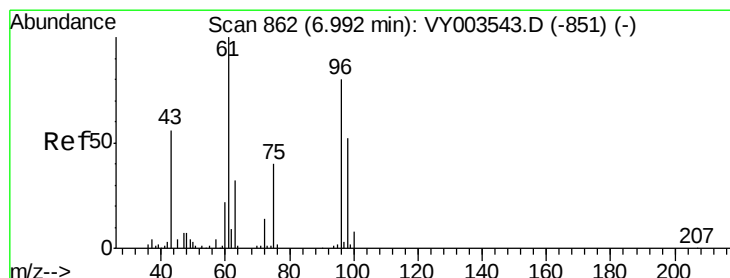
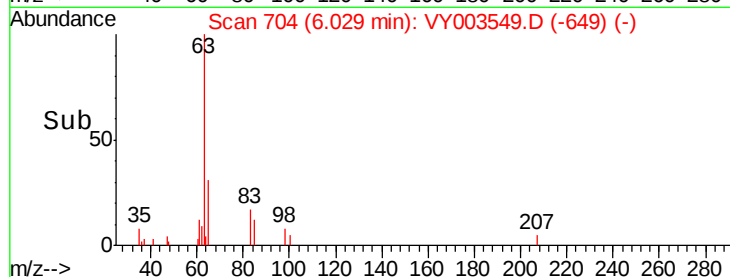
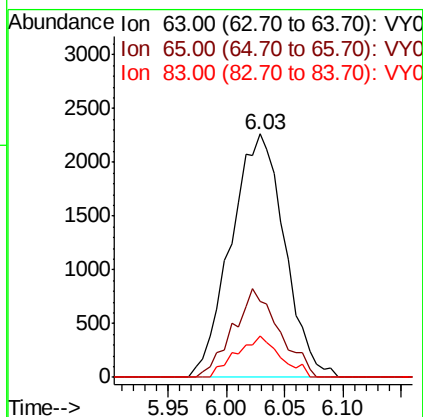
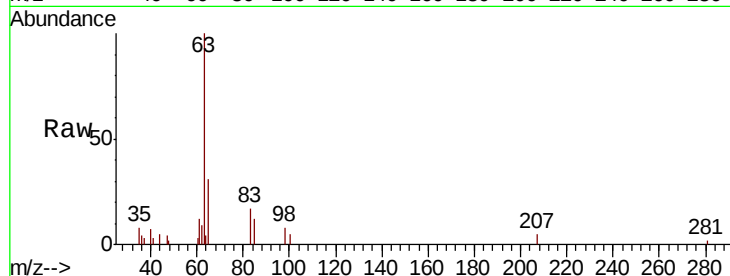




#19
 1,1-Dichloroethane
 Concen: 1.232 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

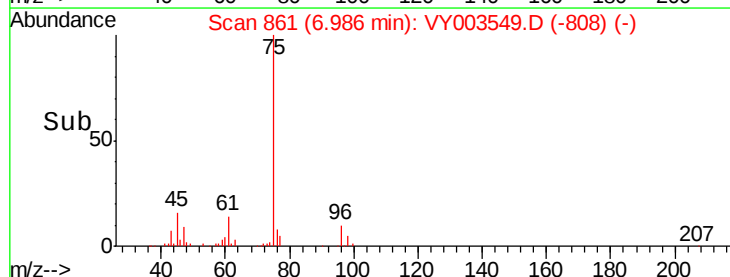
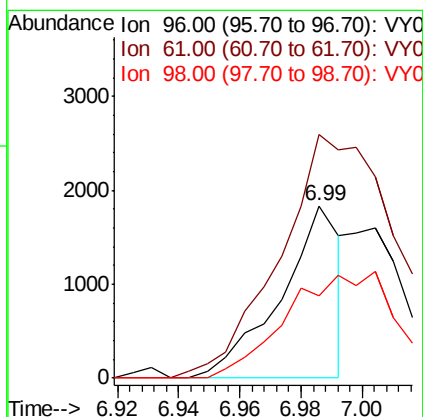
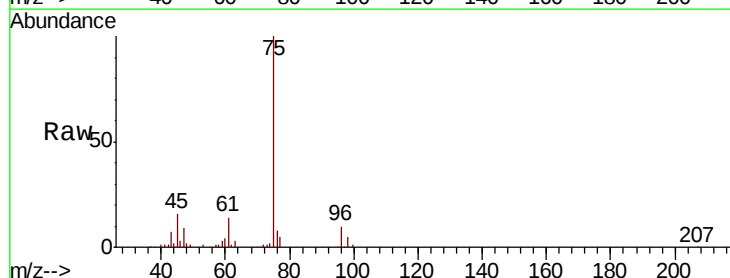
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

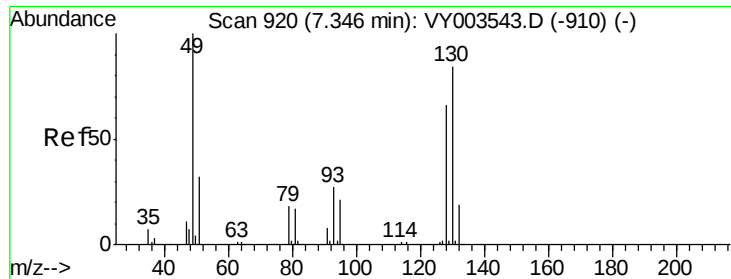
Tot Ion:	63	Resp:	7232
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.0	40.8
83	16.8	9.9	18.5



#22
 cis-1,2-Dichloroethene
 Concen: 0.702 ug/L
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion:	96	Resp:	2507
Ion	Ratio	Lower	Upper
96	100		
61	141.5	88.1	163.5
98	47.9	45.6	84.6





#23

Bromochloromethane

Concen: 1.237 ug/L

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:128 Resp: 2139

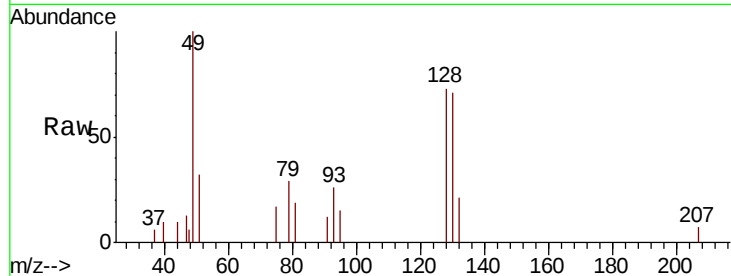
Ion Ratio Lower Upper

128 100

49 137.0 107.3 199.3

130 97.5 89.3 165.9

51 43.8 38.8 58.2

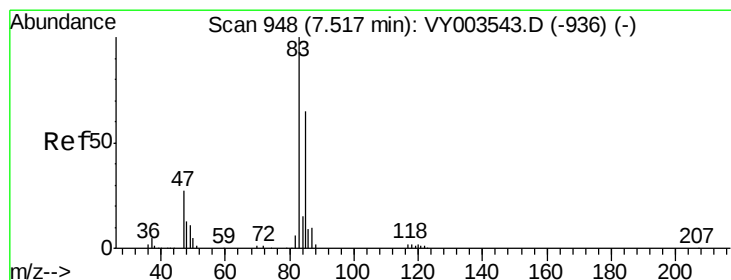
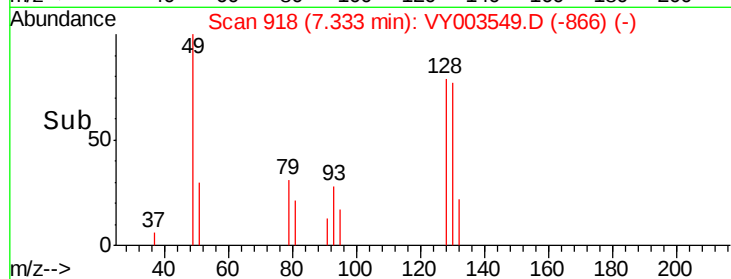
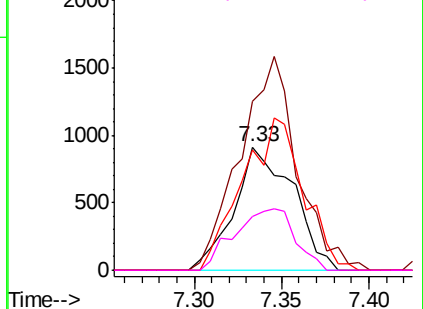


Abundance Ion 128.00 (127.70 to 128.70): V

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: 1.335 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003549.D

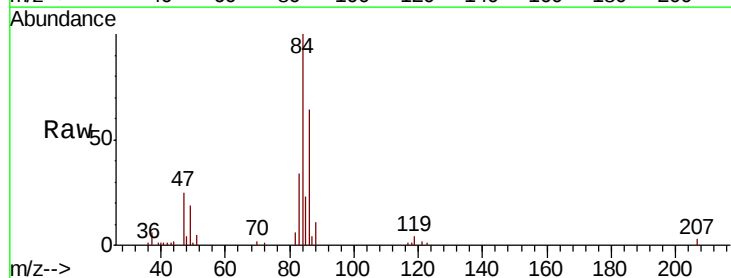
Acq: 19 Nov 2020 15:50

Tgt Ion: 83 Resp: 7794

Ion Ratio Lower Upper

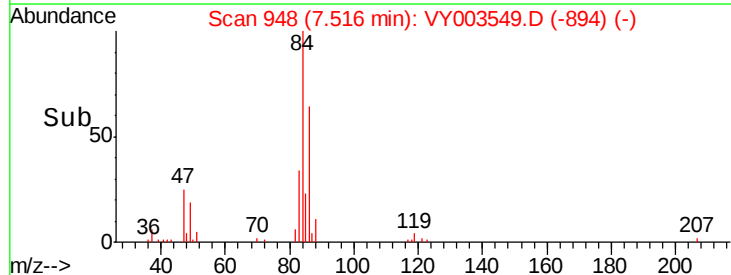
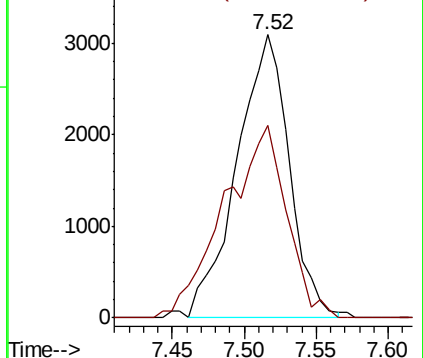
83 100

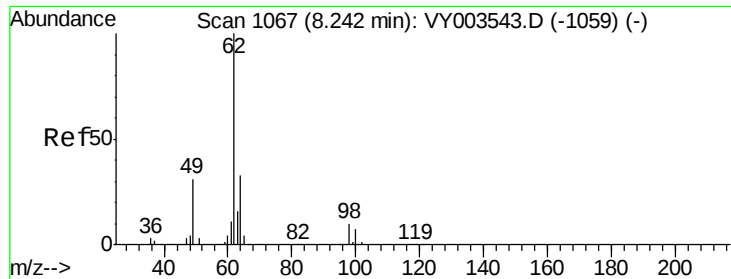
85 46.5 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0





#27

1,2-Dichloroethane

Concen: 1.230 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

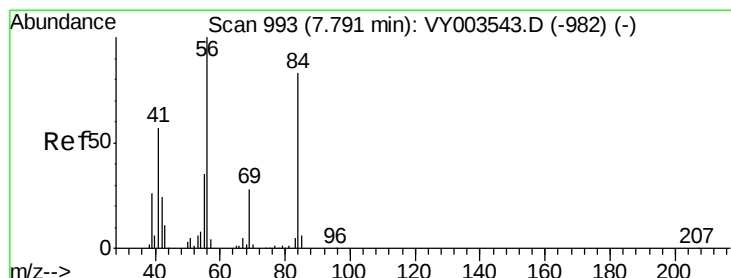
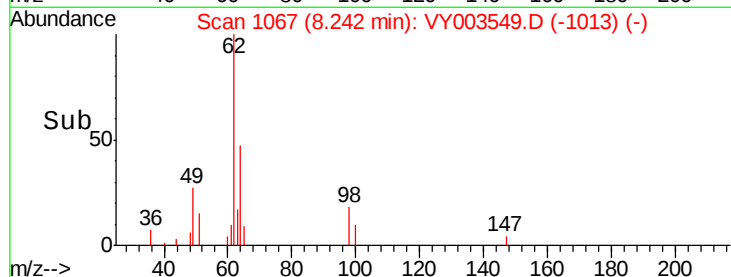
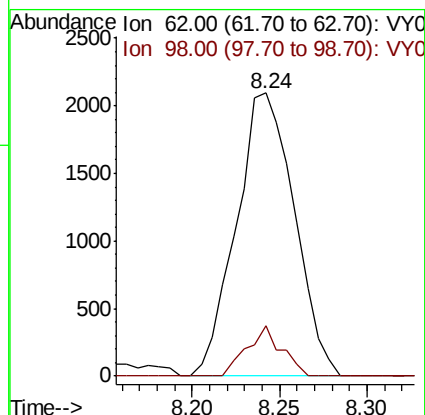
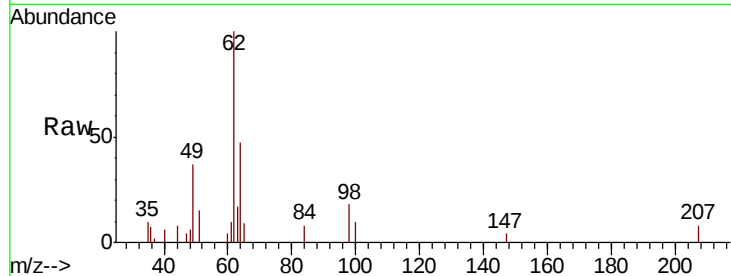
MDL02

Tot Ion: 62 Resp: 4853

Ion Ratio Lower Upper

62 100

98 17.9 7.7 11.5#



#30

Cyclohexane

Concen: 1.061 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

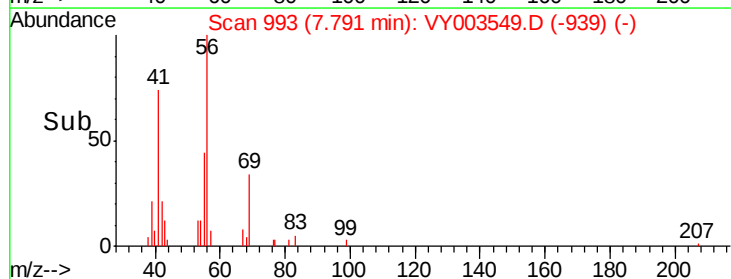
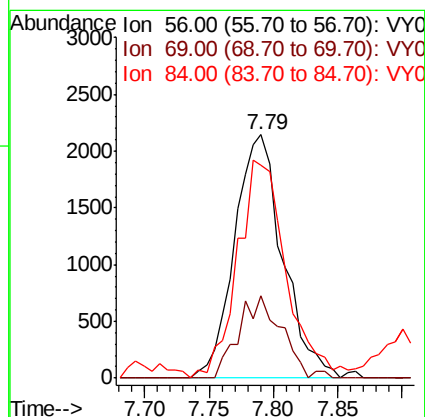
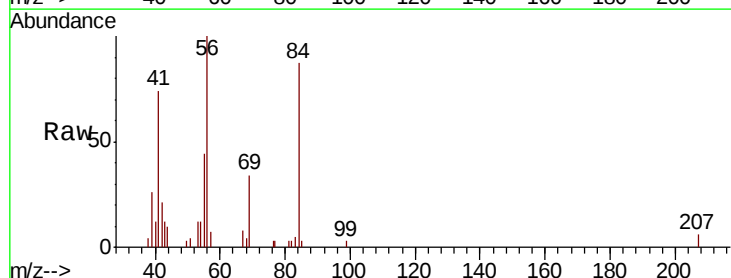
Tgt Ion: 56 Resp: 5588

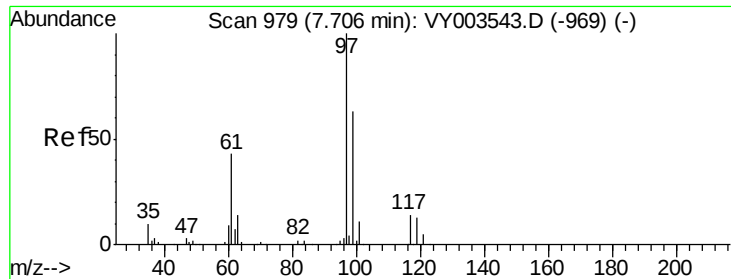
Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

84 88.9 69.9 104.9

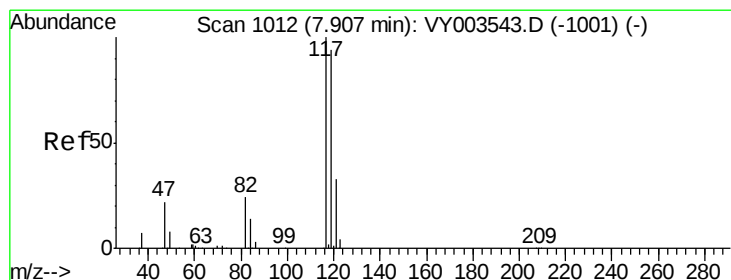
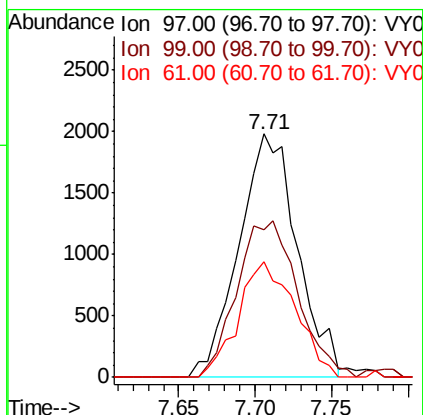
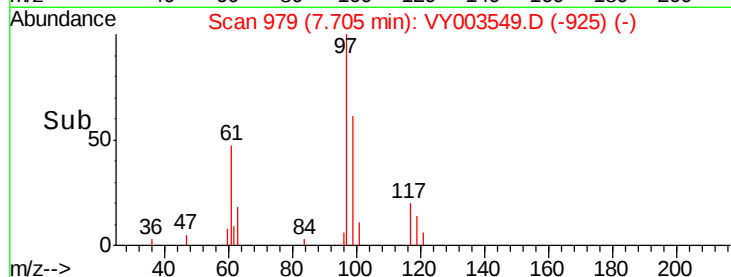
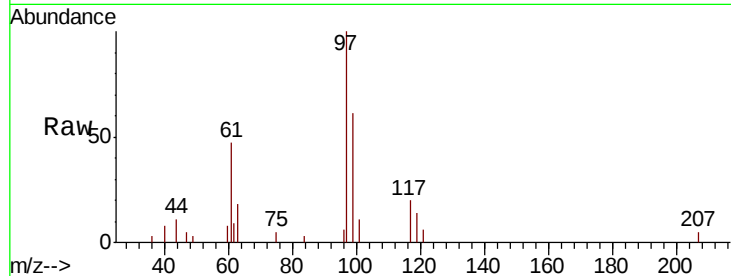




#31
 1,1,1-Trichloroethane
 Concen: 1.119 ug/L
 RT: 7.71 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

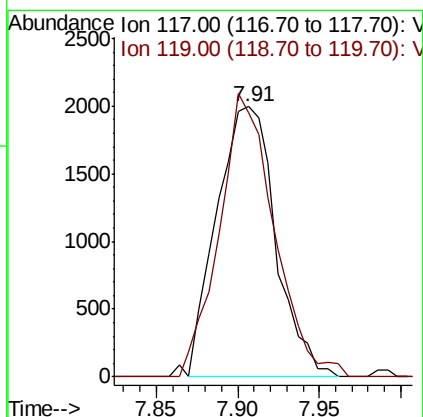
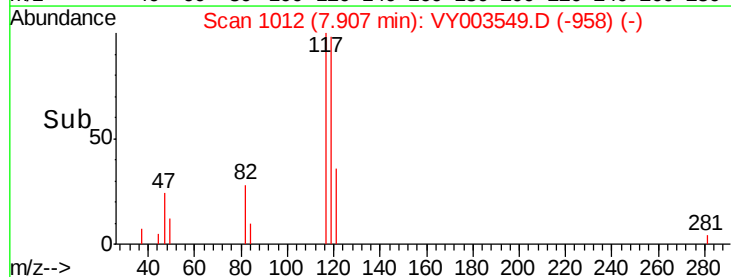
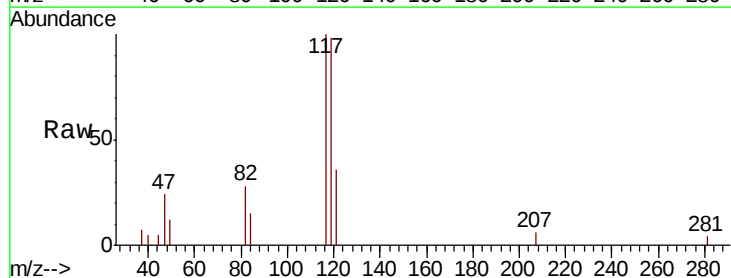
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

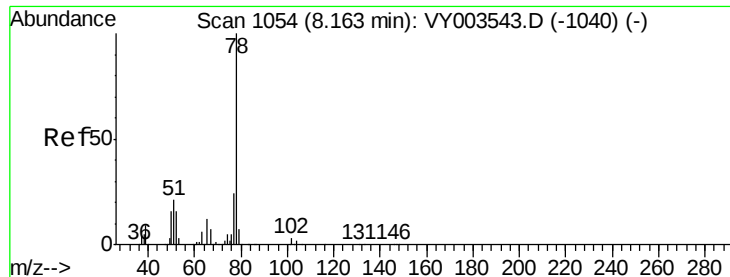
Tot Ion: 97 Resp: 5270
 Ion Ratio Lower Upper
 97 100
 99 66.9 52.1 78.1
 61 46.3 34.9 52.3



#32
 Carbon tetrachloride
 Concen: 1.126 ug/L
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion: 117 Resp: 5040
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.2 114.4





#34

Benzene

Concen: 1.184 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

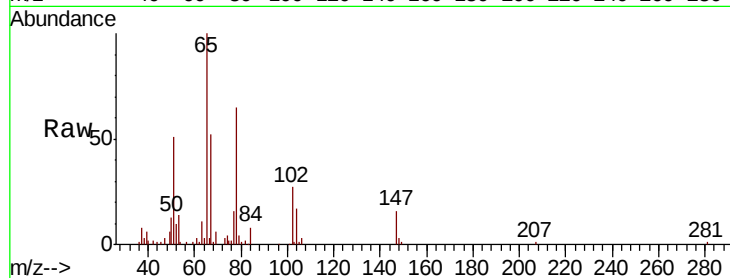
Instrument :

MSVOA_Y

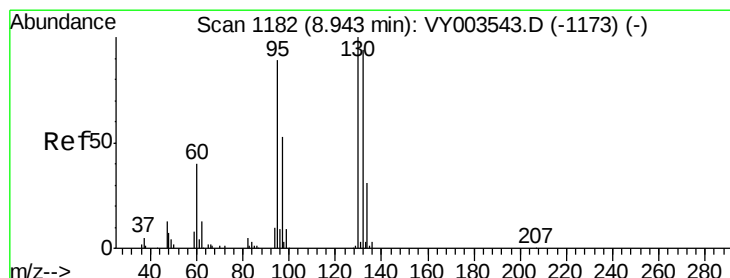
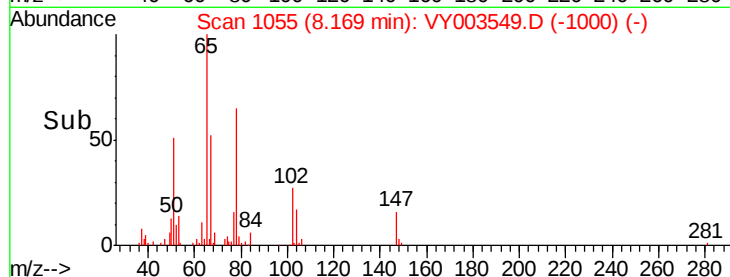
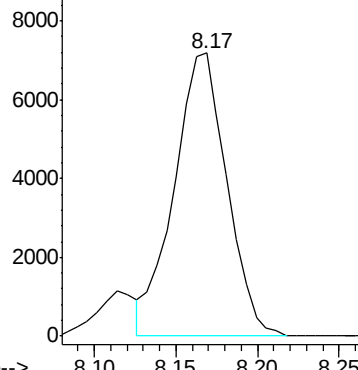
ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 16172



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.283 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion: 95 Resp: 4437

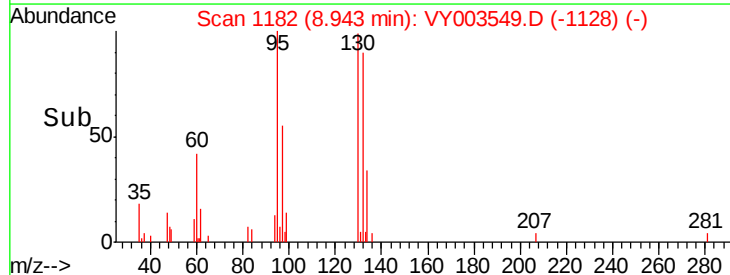
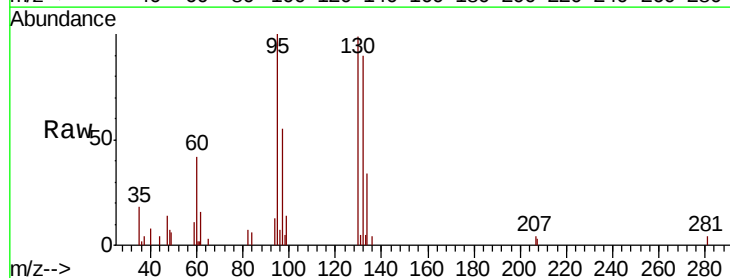
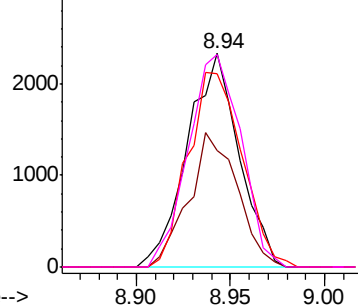
Ion	Ratio	Lower	Upper
95	100		
97	59.2	44.5	82.7
132	95.8	73.1	135.7
130	101.4	76.1	141.3

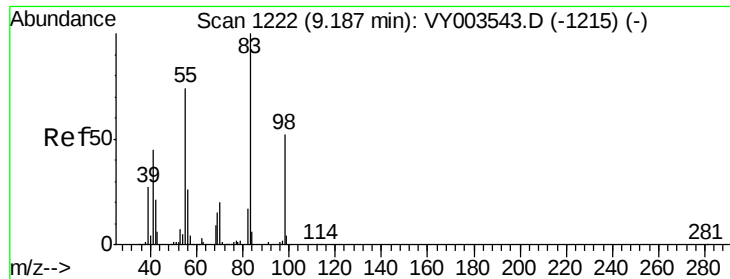
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

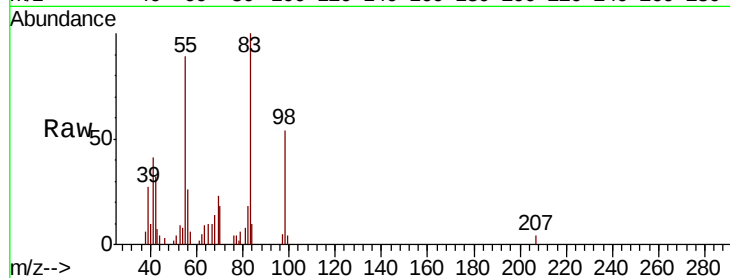




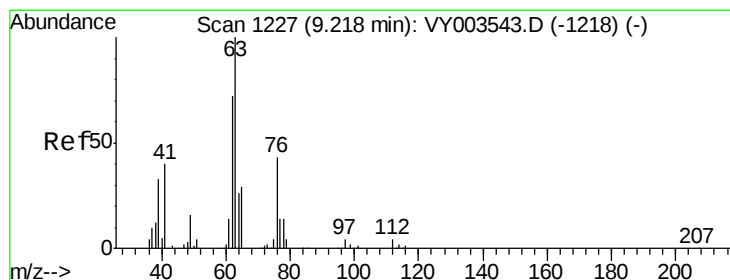
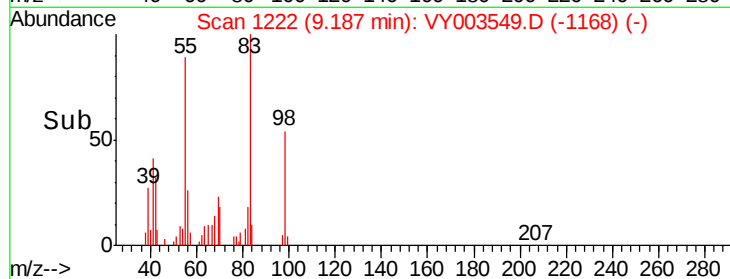
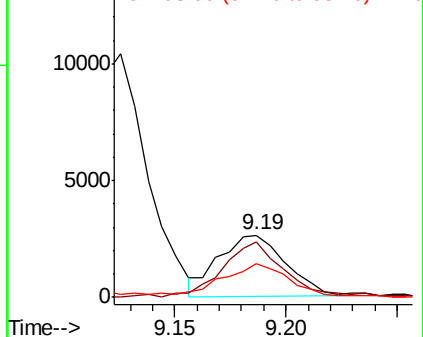
#36
Methylcyclohexane
Concen: 1.016 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion: 83 Resp: 5493
Ion Ratio Lower Upper
83 100
55 81.9 60.8 91.2
98 54.9 40.6 61.0

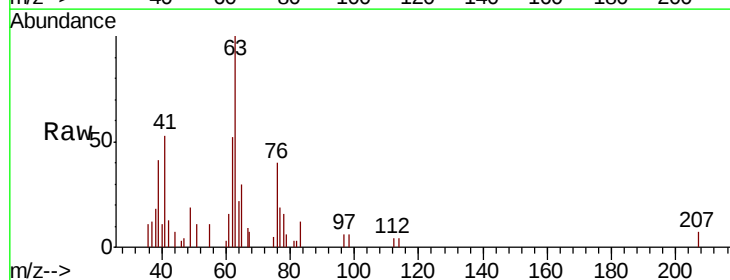


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

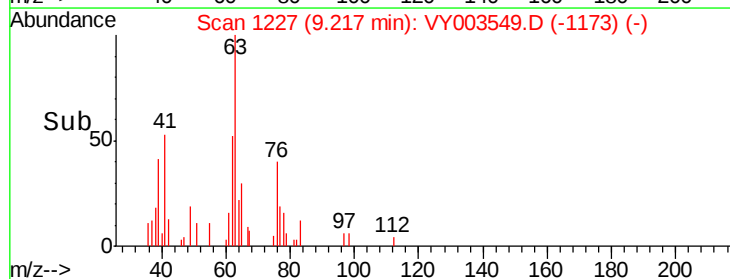
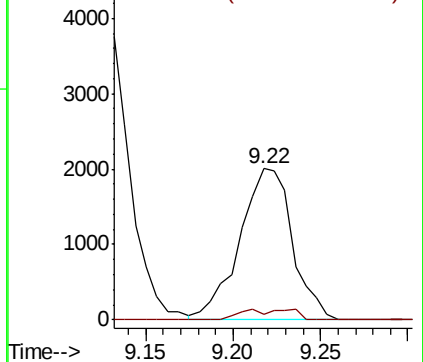


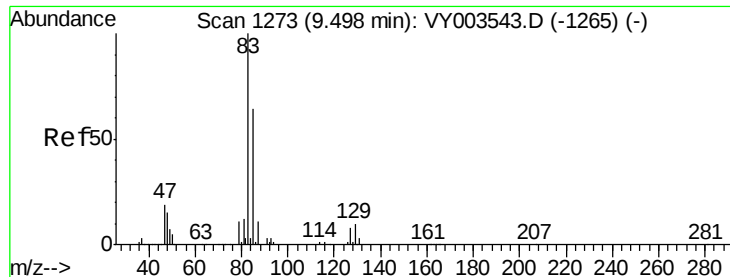
#40
1,2-Dichloropropane
Concen: 1.253 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion: 63 Resp: 4220
Ion Ratio Lower Upper
63 100
112 3.4 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: 1.174 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

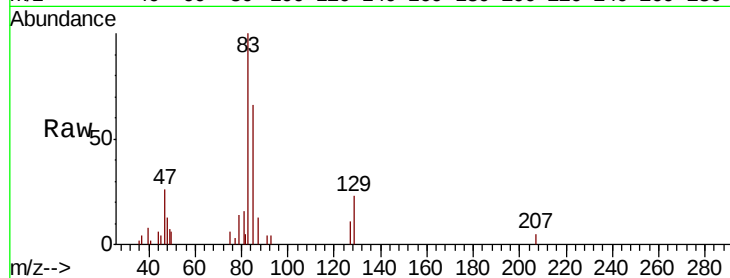
Tot Ion: 83 Resp: 5048

Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.7

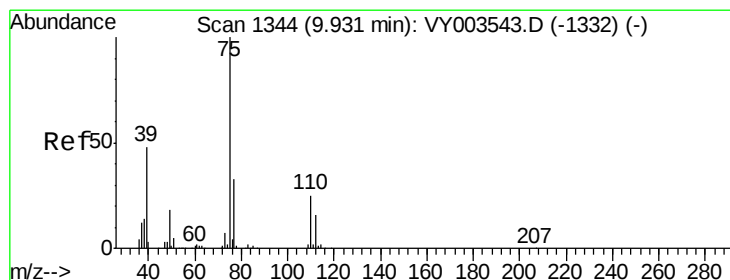
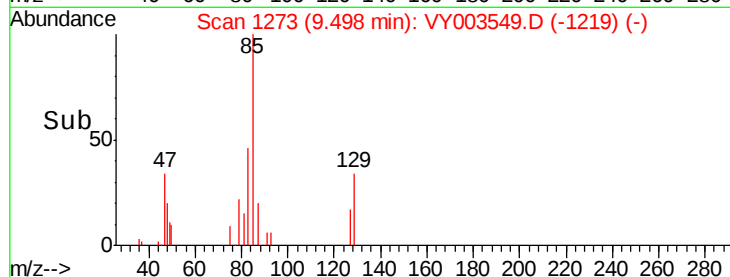
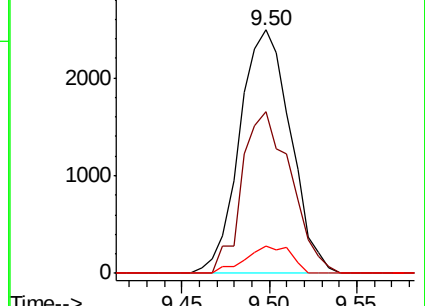
127 11.3 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): VY0



#42

cis-1,3-Dichloropropene

Concen: 1.221 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003549.D

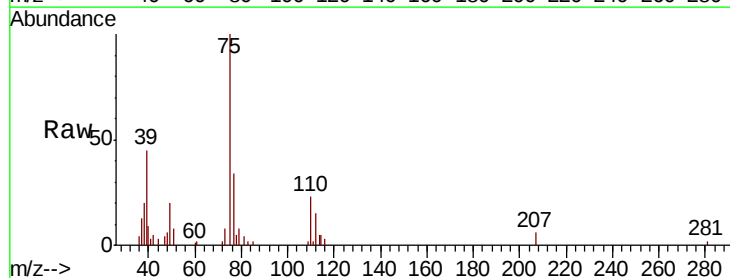
Acq: 19 Nov 2020 15:50

Tgt Ion: 75 Resp: 6483

Ion Ratio Lower Upper

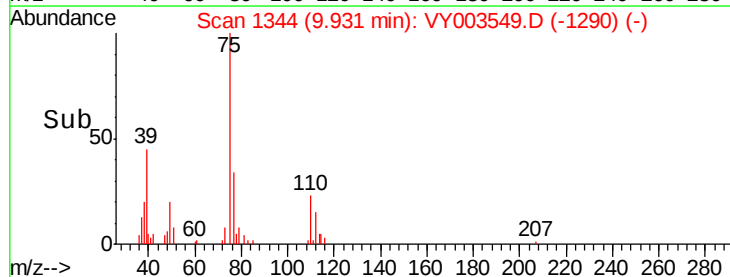
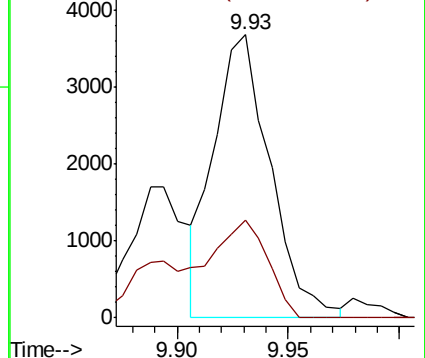
75 100

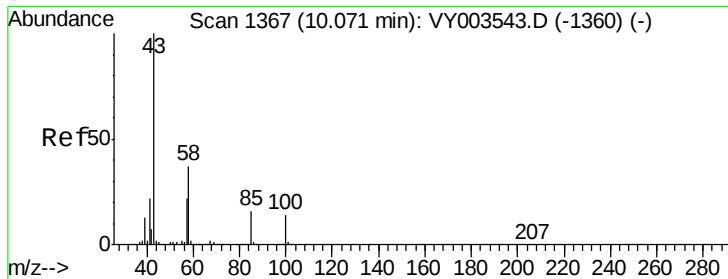
77 34.5 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#43

4-Methyl-2-pentanone

Concen: 2.222 ug/L

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

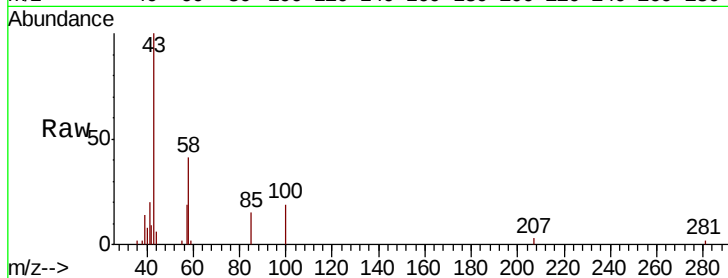
Tot Ion: 43 Resp: 6260

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2

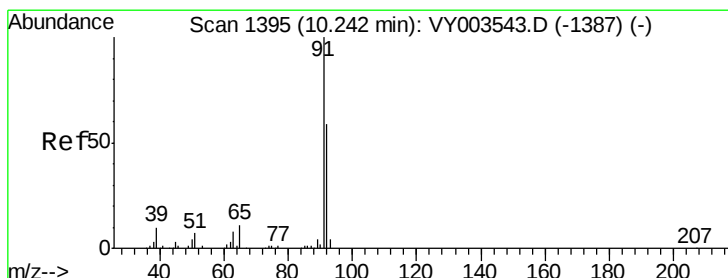
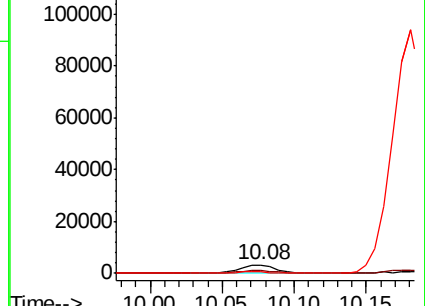
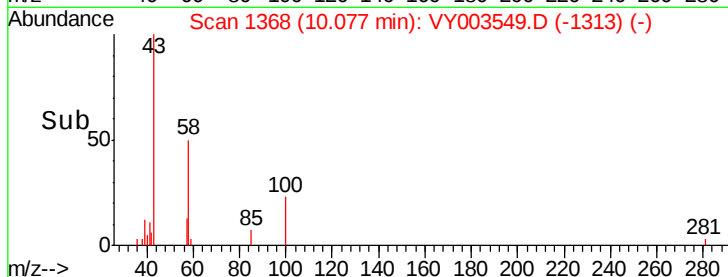
100 16.0 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VY003543.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY003543.D (-1360) (-)

Ion 100.00 (99.70 to 100.70): VY003543.D (-1360) (-)



#44

Toluene

Concen: 1.177 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003549.D

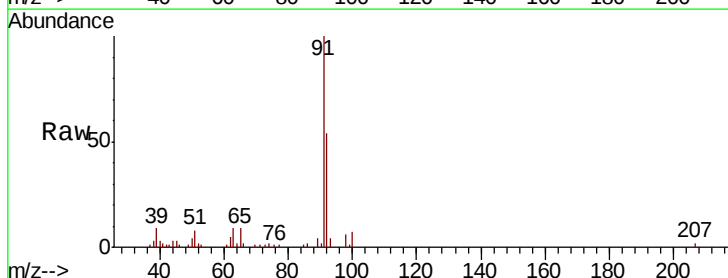
Acq: 19 Nov 2020 15:50

Tgt Ion: 91 Resp: 16948

Ion Ratio Lower Upper

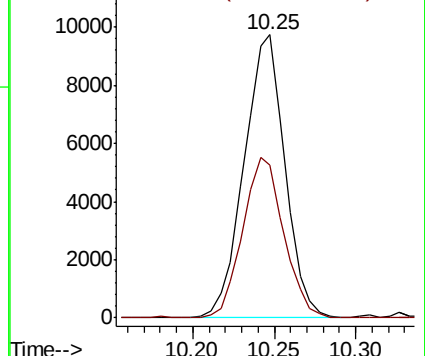
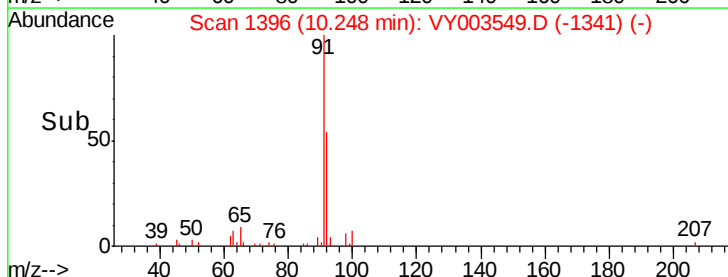
91 100

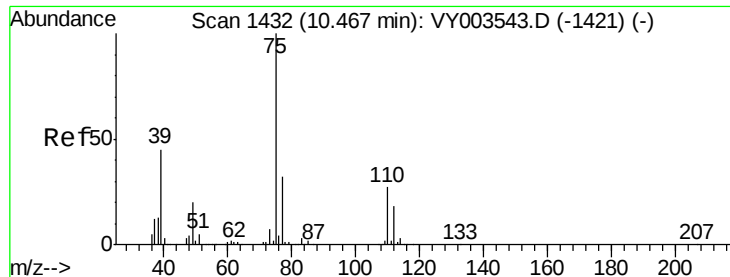
92 54.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1387) (-)

Ion 92.00 (91.70 to 92.70): VY003543.D (-1387) (-)





#45

trans-1,3-Dichloropropene

Concen: 1.491 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

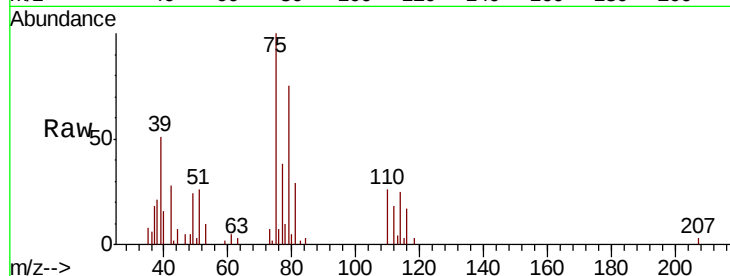
MDL02

Tot Ion: 75 Resp: 7292

Ion Ratio Lower Upper

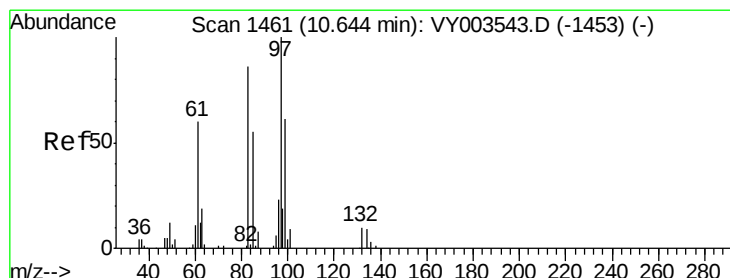
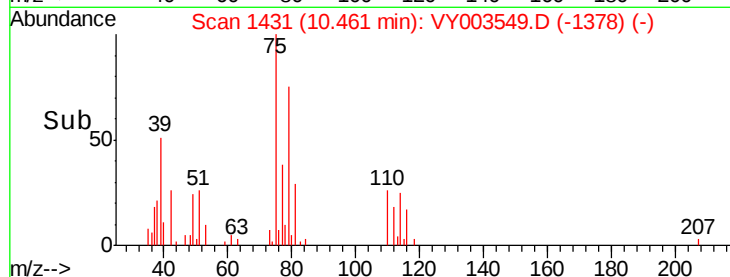
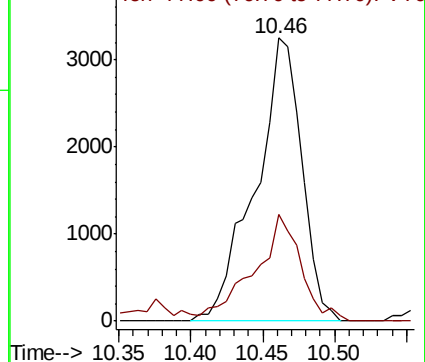
75 100

77 37.7 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: 1.209 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion: 97 Resp: 3252

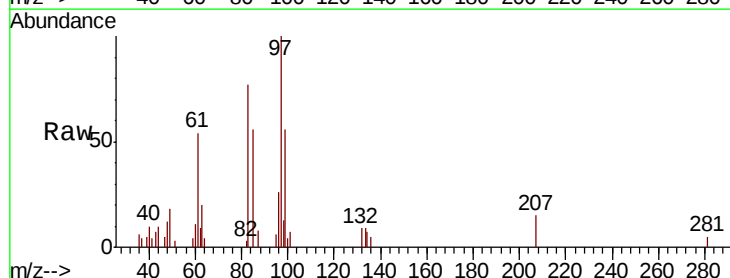
Ion Ratio Lower Upper

97 100

83 76.8 60.1 111.5

85 56.3 38.9 72.2

99 56.4 43.0 80.0

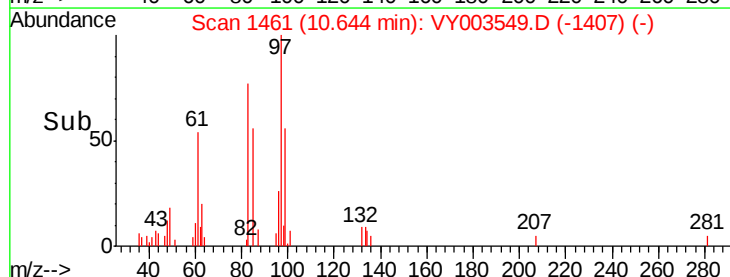
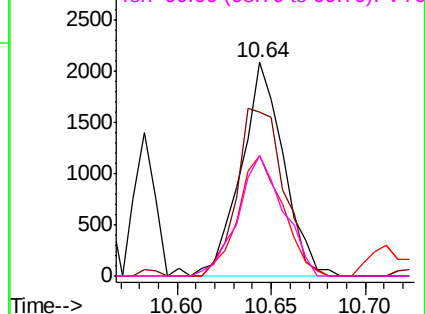


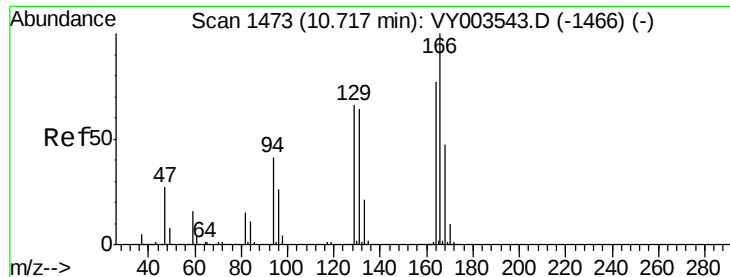
Abundance Ion 97.00 (96.70 to 97.70): VY0

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: 1.123 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tot Ion:164 Resp: 3377

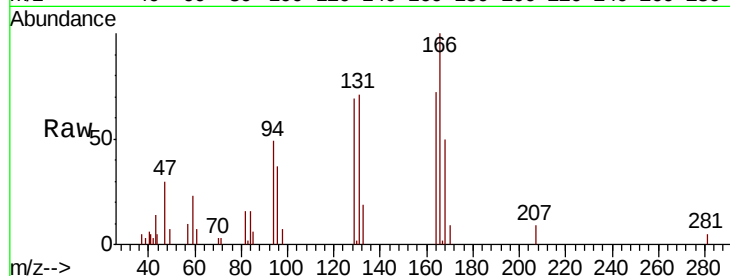
Ion Ratio Lower Upper

164 100

129 95.8 60.6 112.6

131 98.6 58.7 109.1

166 138.7 91.2 169.4

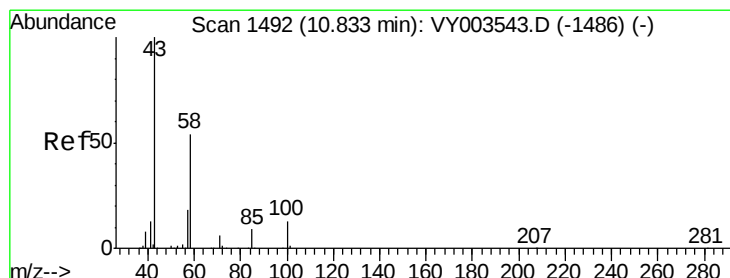
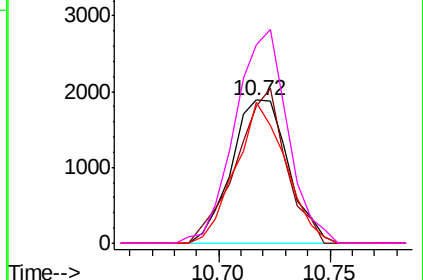
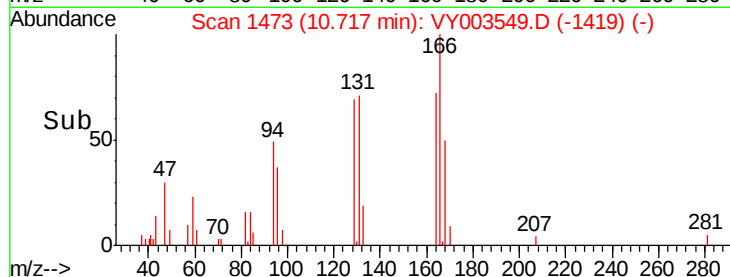


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.223 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion: 43 Resp: 4948

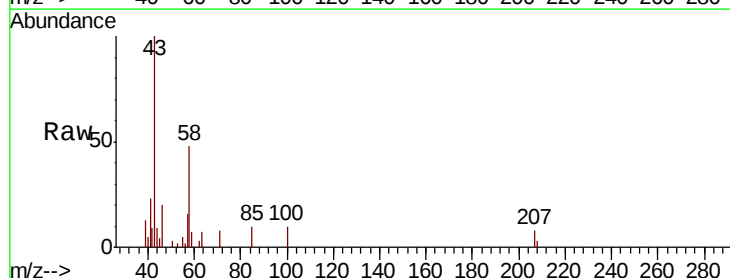
Ion Ratio Lower Upper

43 100

58 50.1 42.1 63.1

57 17.4 14.2 21.2

100 13.7 9.5 14.3

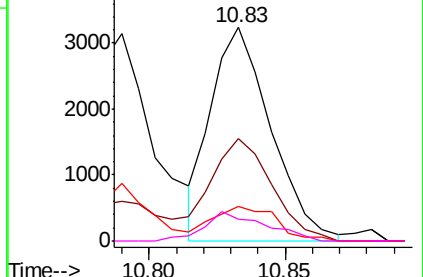
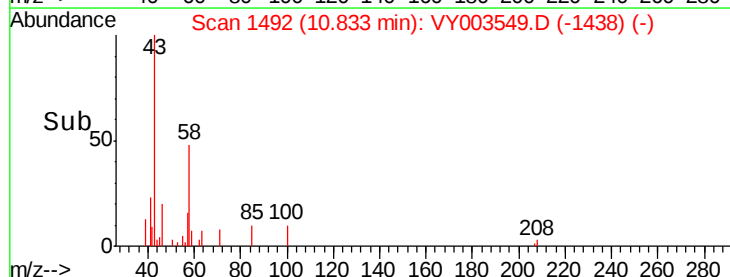


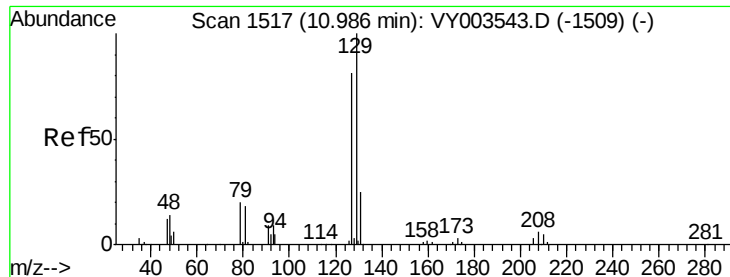
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#50

Dibromochloromethane

Concen: 1.198 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

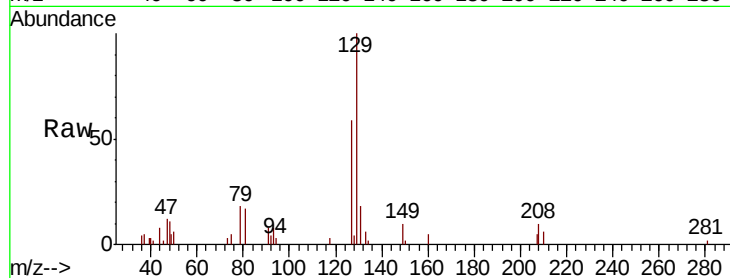
MDL02

Tot Ion:129 Resp: 3888

Ion Ratio Lower Upper

129 100

127 59.5 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

3000

2500

2000

1500

1000

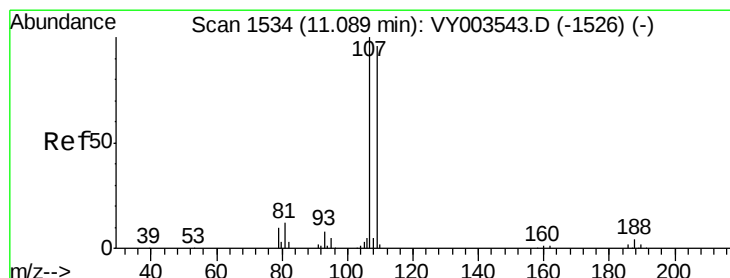
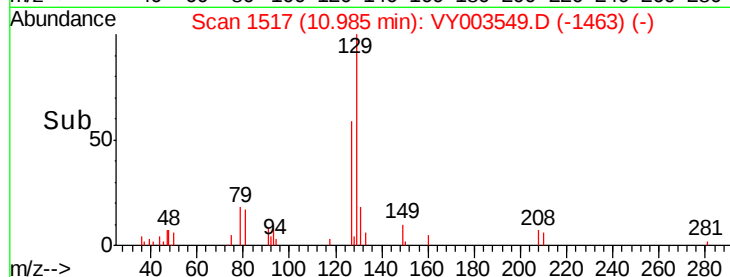
500

0

10.95

11.00

Time-->



#51

1,2-Dibromoethane

Concen: 1.173 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

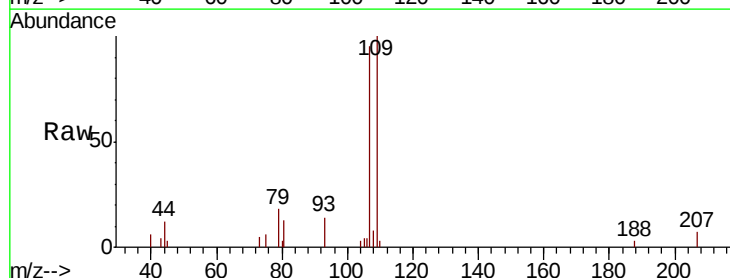
Tgt Ion:107 Resp: 3146

Ion Ratio Lower Upper

107 100

109 105.4 66.8 124.2

188 3.3 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

2500

2000

1500

1000

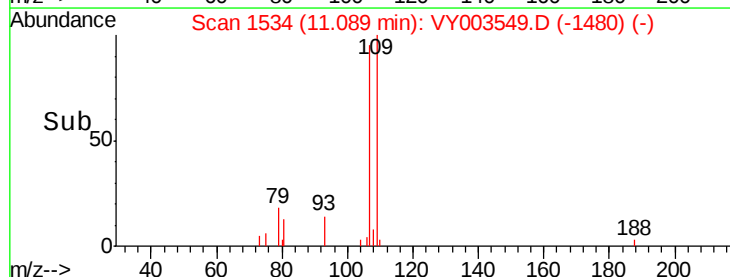
500

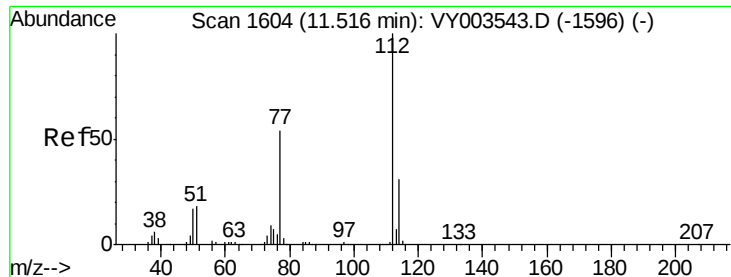
0

11.05

11.10

Time-->





#52

Chlorobenzene

Concen: 1.210 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

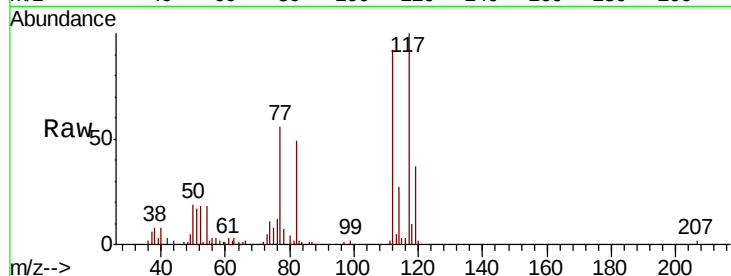
Tot Ion:112 Resp: 11123

Ion Ratio Lower Upper

112 100

77 61.3 43.3 64.9

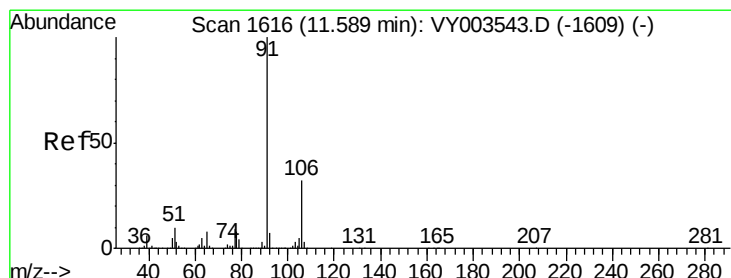
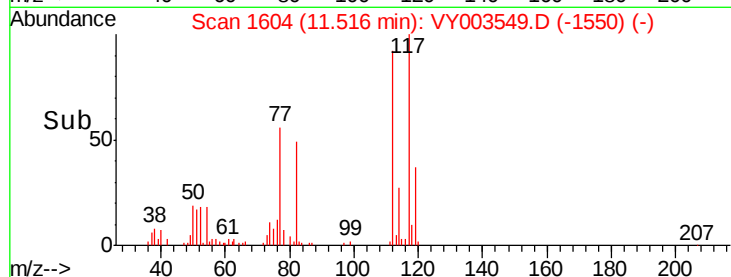
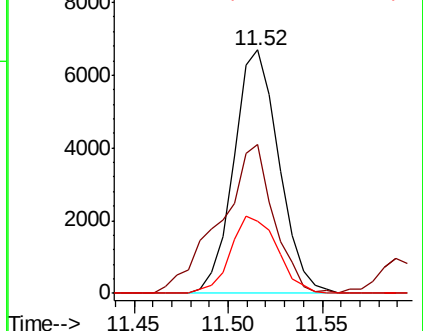
114 29.4 21.9 40.7



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: 1.035 ug/L

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003549.D

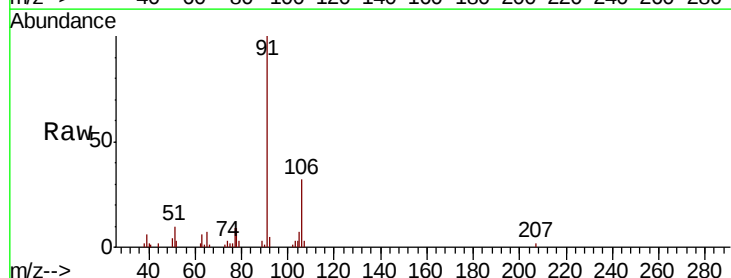
Acq: 19 Nov 2020 15:50

Tgt Ion: 91 Resp: 15308

Ion Ratio Lower Upper

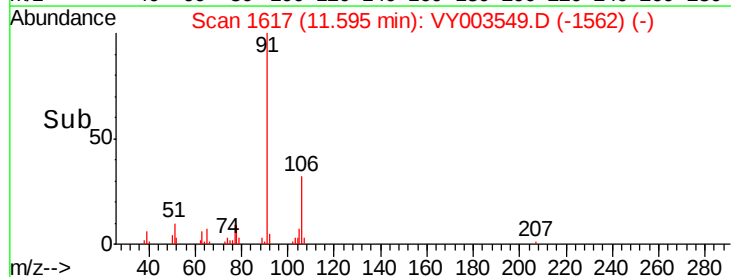
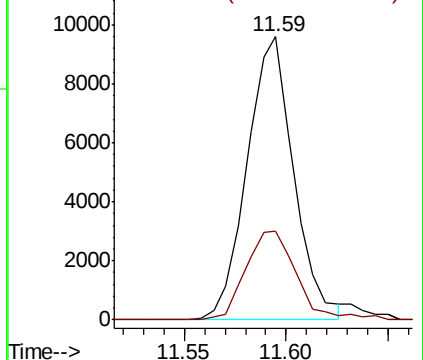
91 100

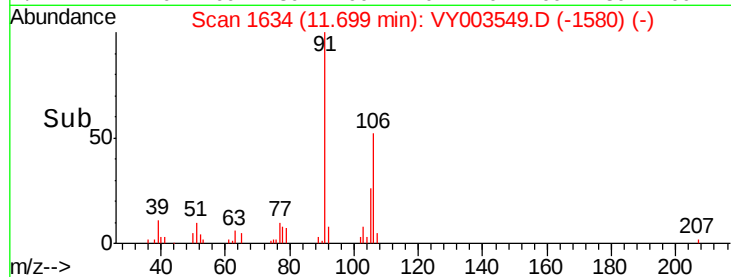
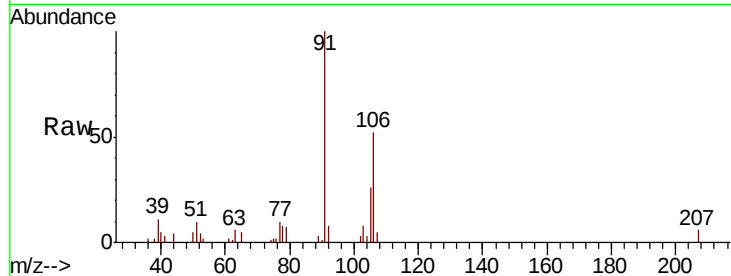
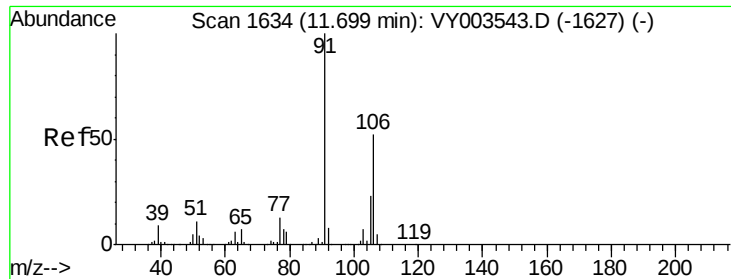
106 31.6 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.033 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

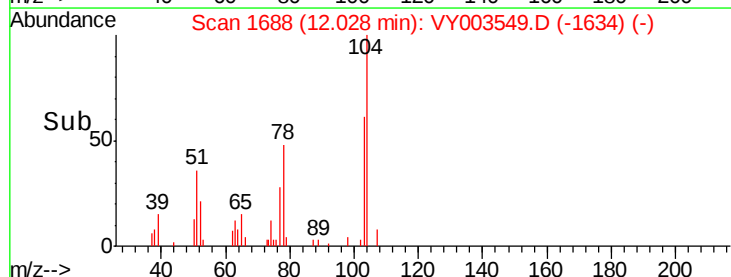
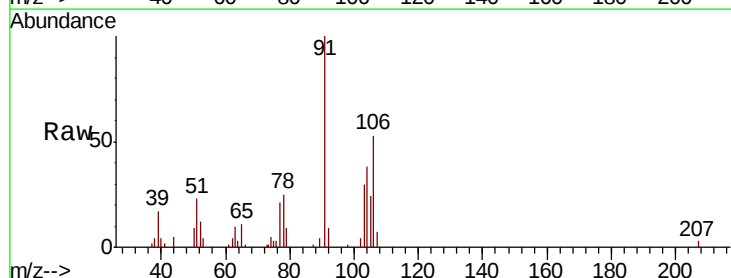
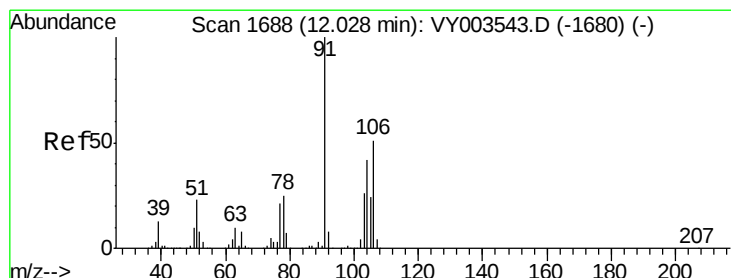
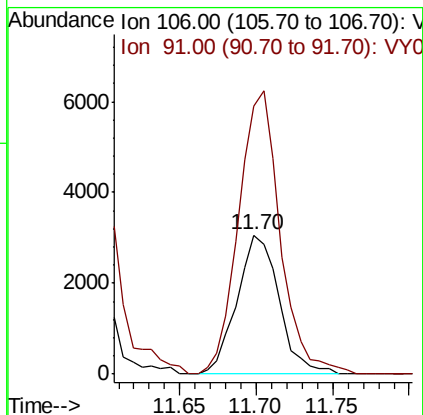
MDL02

Tot Ion:106 Resp: 5880

Ion Ratio Lower Upper

106 100

91 193.1 135.6 251.8



#55

o-xylene

Concen: 1.025 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003549.D

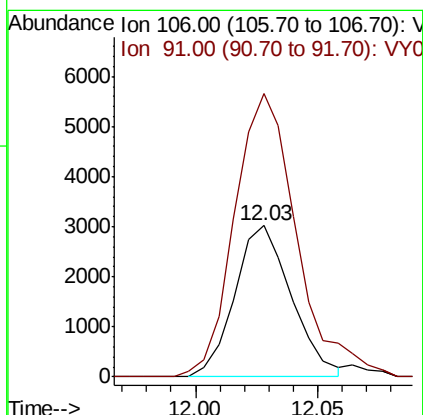
Acq: 19 Nov 2020 15:50

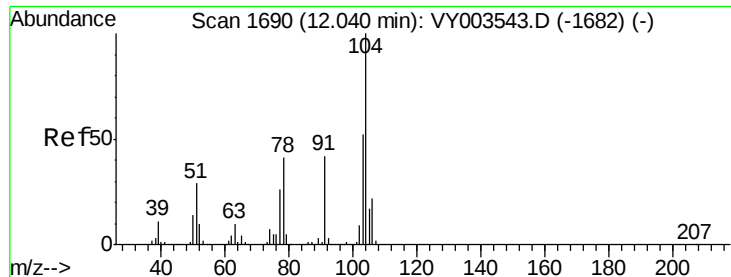
Tgt Ion:106 Resp: 4869

Ion Ratio Lower Upper

106 100

91 187.1 138.3 256.8





#56

Stvrene

Concen: 1.022 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

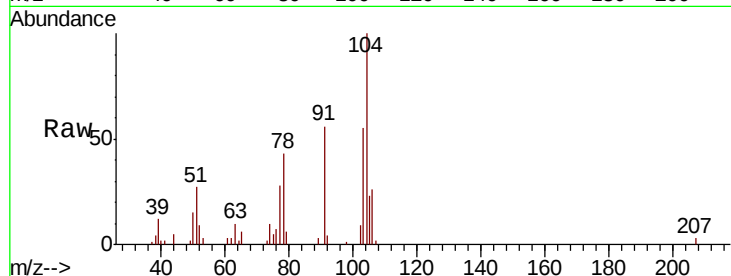
MDL02

Tot Ion:104 Resp: 9512

Ion Ratio Lower Upper

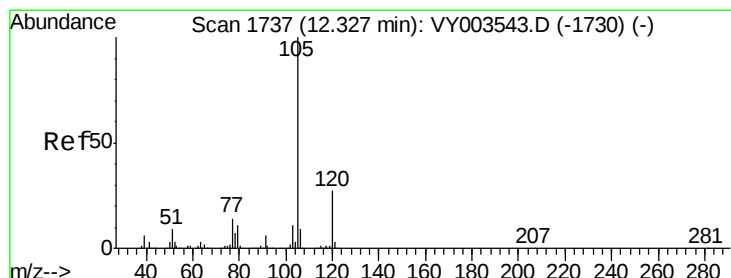
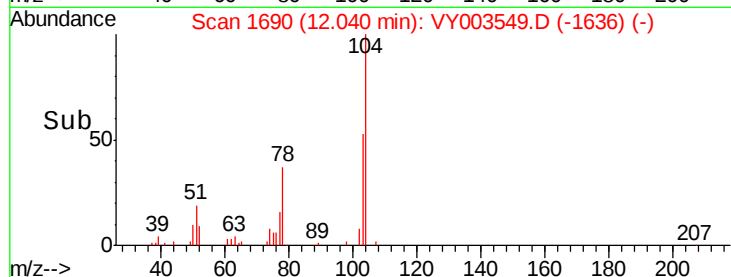
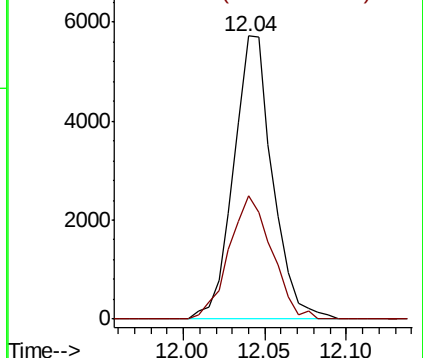
104 100

78 43.4 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: 1.016 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

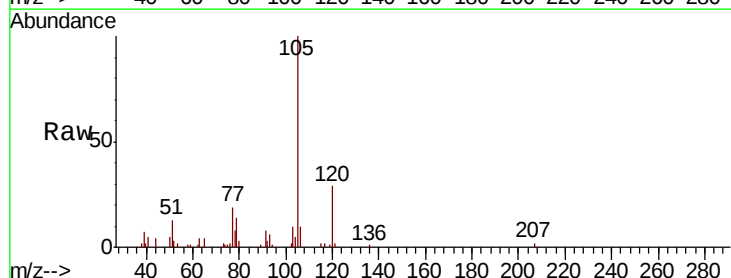
Tgt Ion:105 Resp: 10930

Ion Ratio Lower Upper

105 100

120 29.6 21.7 32.5

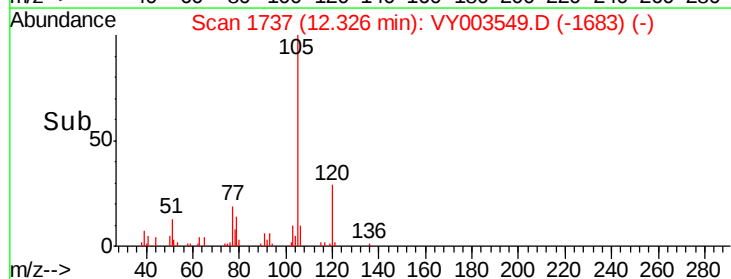
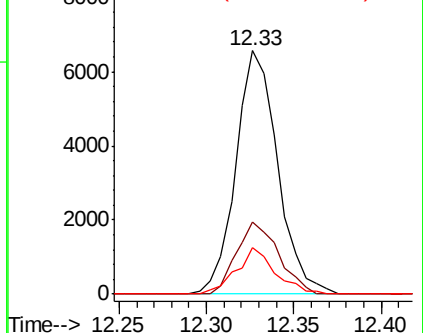
77 17.6 12.1 18.1

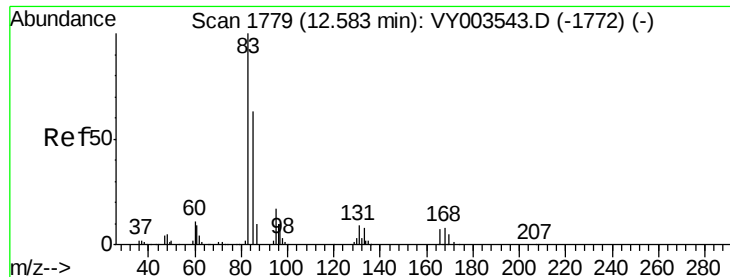


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.205 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

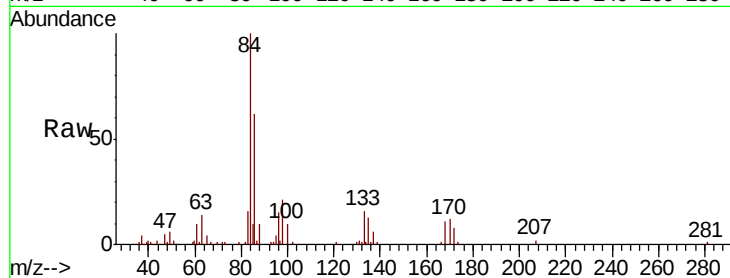
Tot Ion: 83 Resp: 3825

Ion Ratio Lower Upper

83 100

85 63.9 44.8 83.2

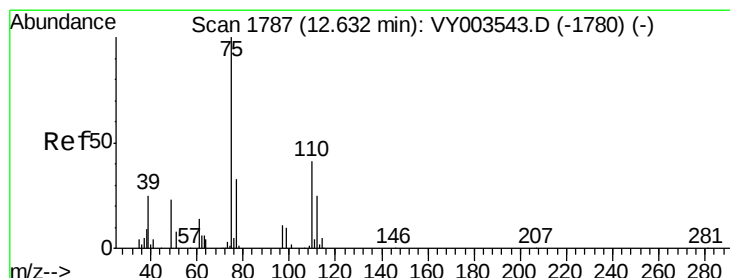
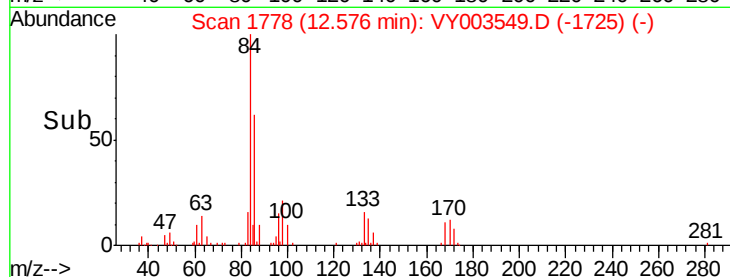
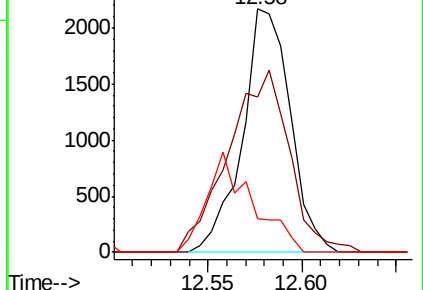
131 13.7 7.3 10.9#



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: 1.063 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003549.D

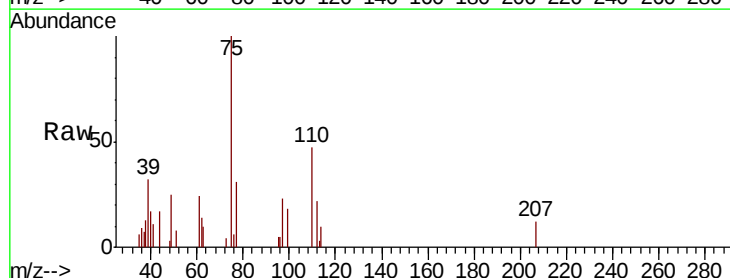
Acq: 19 Nov 2020 15:50

Tgt Ion: 75 Resp: 2627

Ion Ratio Lower Upper

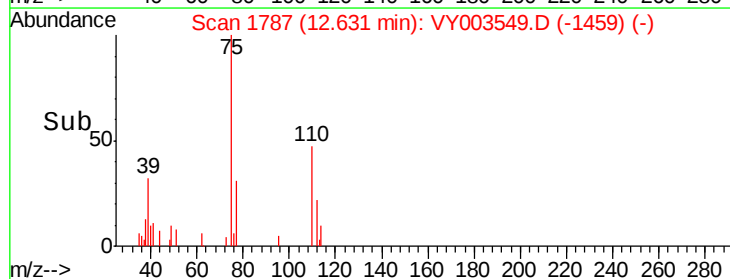
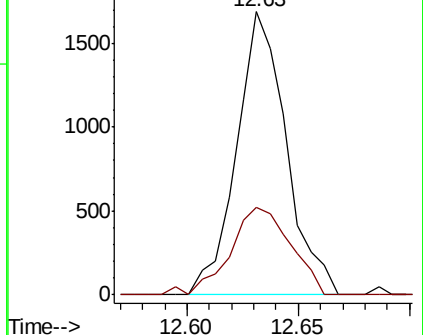
75 100

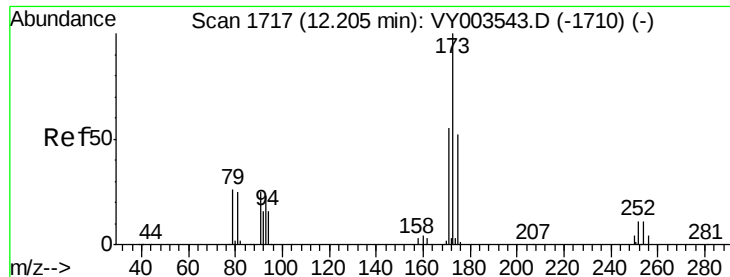
77 36.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

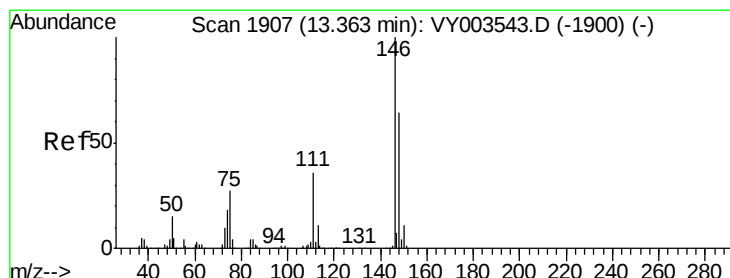
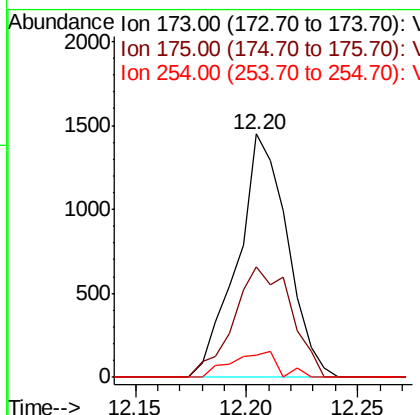
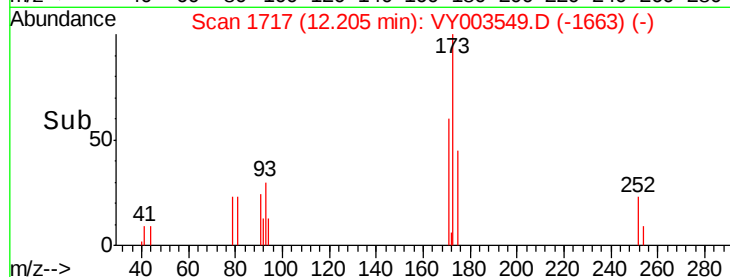
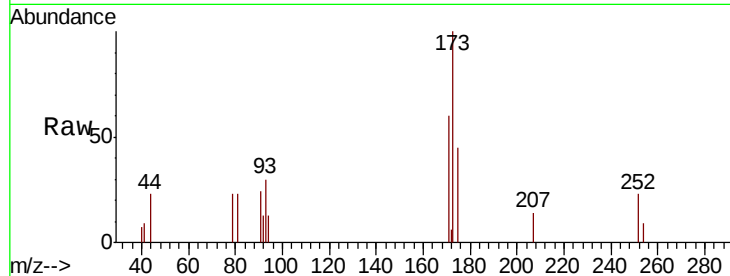




#62
Bromoform
Concen: 1.098 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

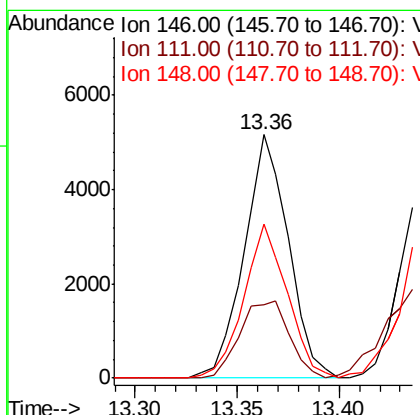
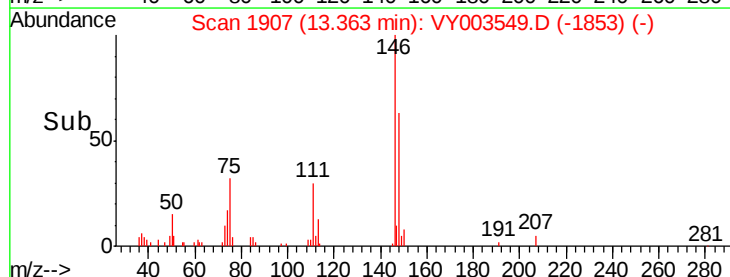
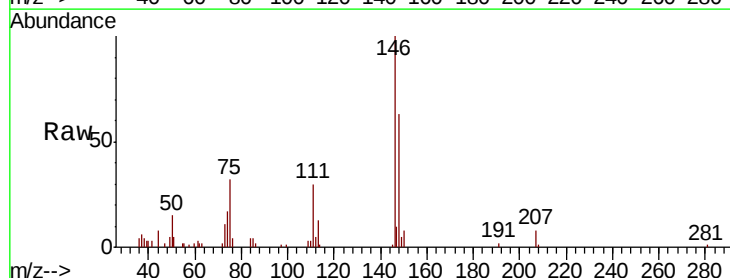
Instrument :
MSVOA_Y
ClientSampleId :
MDL02

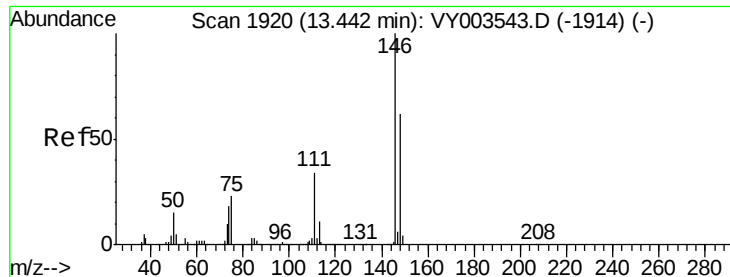
Tot Ion:173 Resp: 2264
Ion Ratio Lower Upper
173 100
175 52.2 39.5 59.3
254 9.0 8.6 12.8



#63
1,3-Dichlorobenzene
Concen: 1.211 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion:146 Resp: 7764
Ion Ratio Lower Upper
146 100
111 30.3 25.1 46.5
148 63.1 44.7 82.9





#64

1,4-Dichlorobenzene

Concen: 1.311 ug/L

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

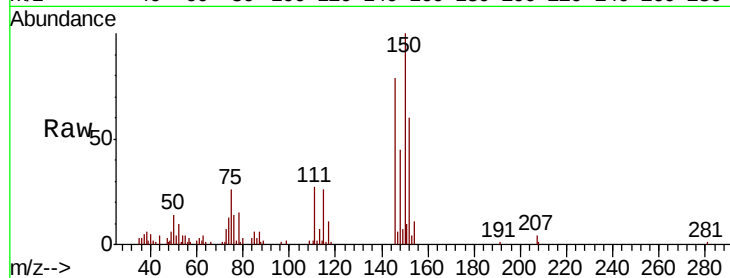
Tot Ion:146 Resp: 8655

Ion Ratio Lower Upper

146 100

111 34.2 24.1 44.8

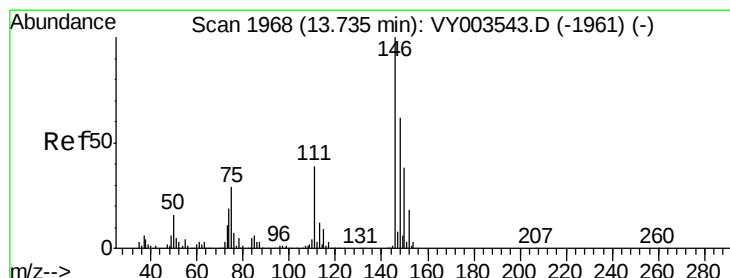
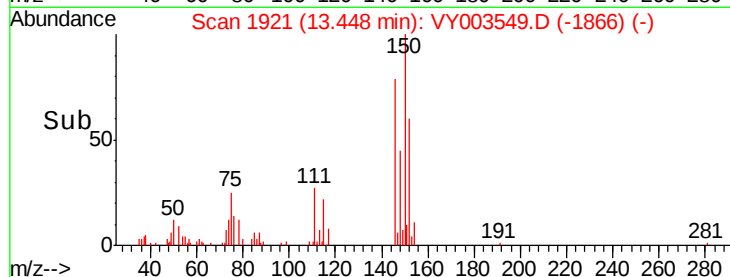
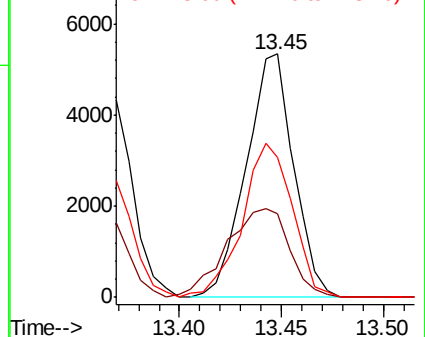
148 57.5 43.6 81.0



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: 1.233 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

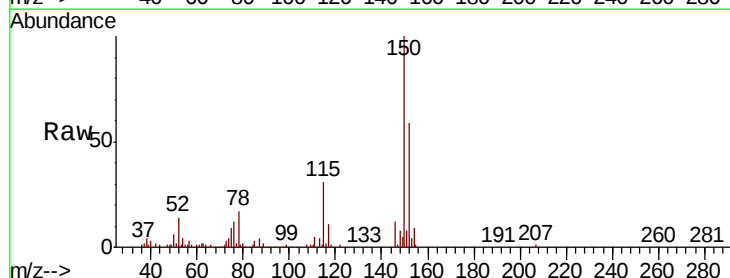
Tgt Ion:146 Resp: 6509

Ion Ratio Lower Upper

146 100

111 37.5 31.0 46.6

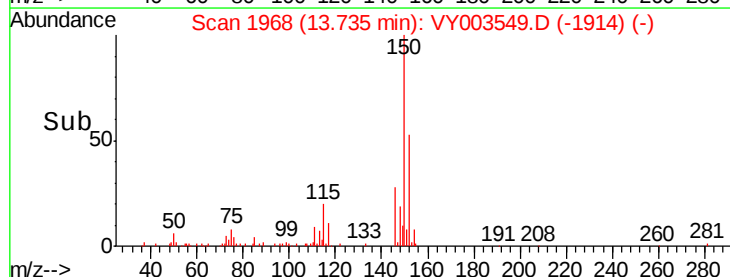
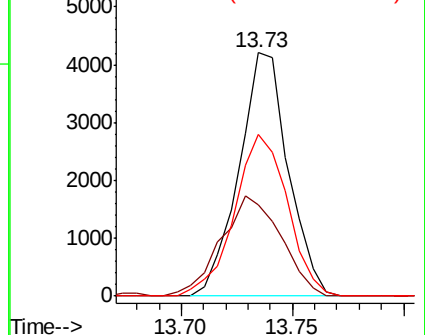
148 66.5 49.8 74.8

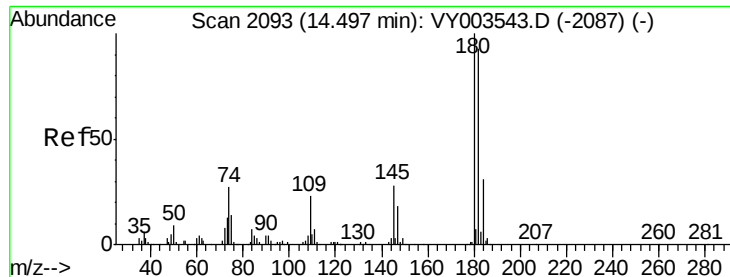


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

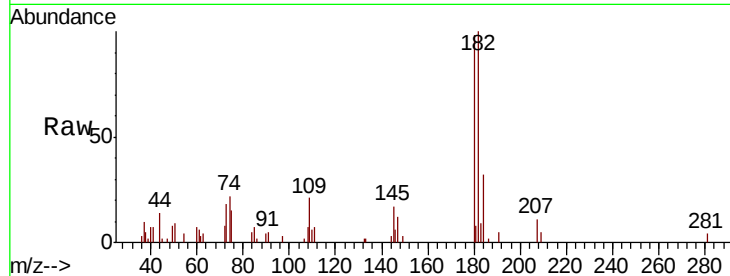




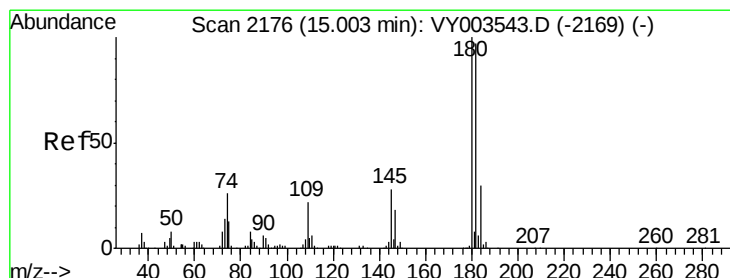
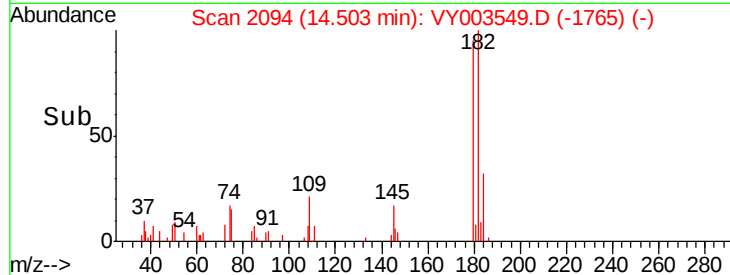
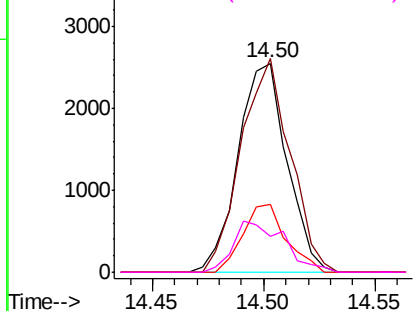
#67
 1,3,5-Trichlorobenzene
 Concen: 1.149 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion:180 Resp: 3910
 Ion Ratio Lower Upper
 180 100
 182 102.3 77.3 115.9
 184 28.7 24.4 36.6
 145 25.7 22.4 33.6

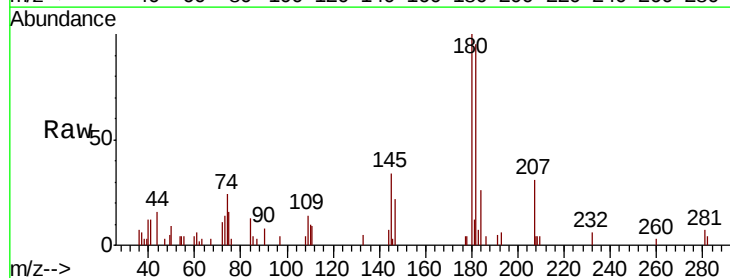


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

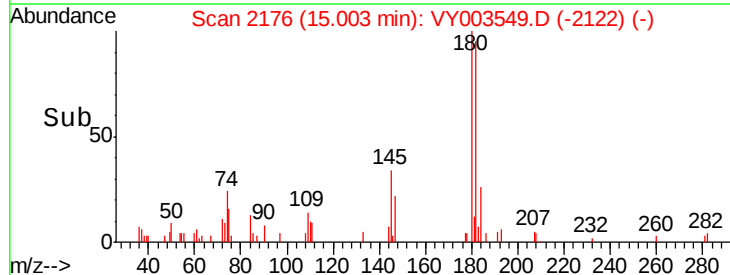
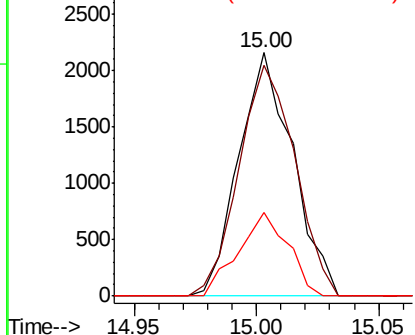


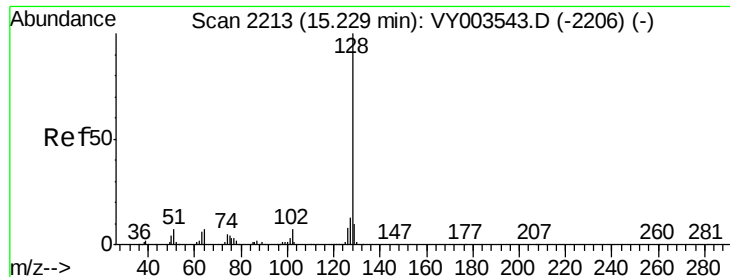
#68
 1,2,4-trichlorobenzene
 Concen: 1.137 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion:180 Resp: 3331
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.5 114.7
 145 31.5 22.8 34.2



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





#69

Naphthalene

Concen: 1.094 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

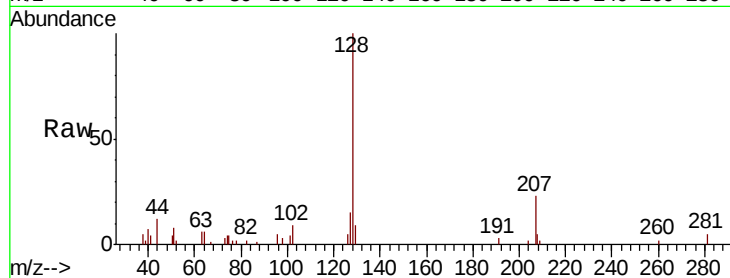
Tot Ion:128 Resp: 5657

Ion Ratio Lower Upper

128 100

129 9.8 8.5 12.7

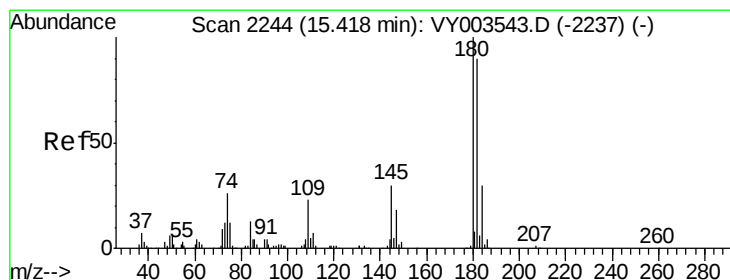
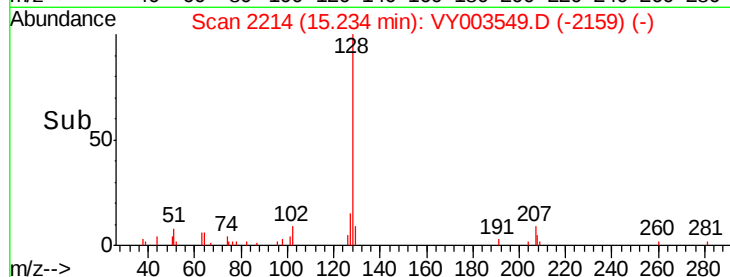
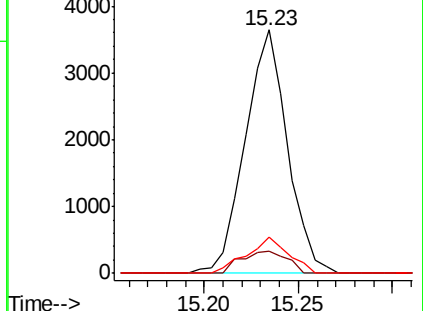
127 14.8 10.2 15.2



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: 1.102 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

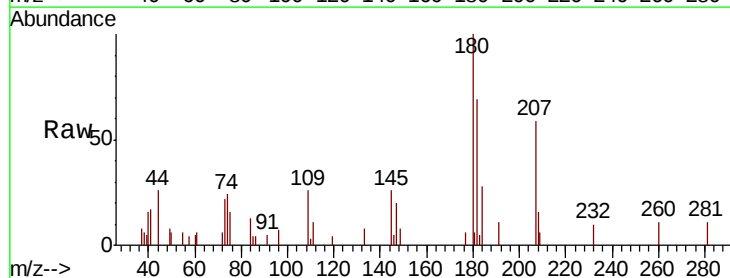
Tgt Ion:180 Resp: 2441

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 18.4 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

