

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003554.D
 Acq On : 19 Nov 2020 17:37
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Quant Time: Nov 20 01:47:07 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	226264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	207199	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	95693	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	53504	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.77	69	49324	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	3.86	63	99722	16.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.72%
20) 2-Butanone-d5	6.91	46	63491	50.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.98%
24) Chloroform-d	7.49	84	138688	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.14	65	79864	24.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.12%
29) Benzene-d6	8.11	84	289165	23.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.80%
33) 1,2-Dichloropropane-d6	9.13	67	86853	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.16%
37) Toluene-d8	10.18	98	256704	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.96%
38) trans-1,3-Dichloropropene-	10.44	79	42653	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.60%
39) 2-Hexanone-d5	10.79	63	45641	49.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72506	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	13.72	152	76641	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

					Ovalue
3) Chloromethane	2.12	50	3426	1.357 ug/L	89
5) Vinyl chloride	2.26	62	4380	1.453 ug/L #	45
6) Bromomethane	2.67	94	3036	1.297 ug/L	91
8) Chloroethane	2.81	64	2652	1.295 ug/L #	82
9) Trichlorofluoromethane	3.13	101	3278	1.134 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3655	1.220 ug/L #	81
12) 1,1-Dichloroethene	3.87	96	5107	1.630 ug/L #	1
13) Acetone	3.98	43	2409	2.668 ug/L	54
14) Carbon disulfide	4.20	76	13102	1.262 ug/L	98
15) Methyl Acetate	4.49	43	2729	1.191 ug/L #	79
16) Methylene chloride	4.73	84	12673	3.267 ug/L	87
17) Methyl tert-butyl Ether	5.22	73	3640	0.743 ug/L #	79
18) trans-1,2-Dichloroethene	5.23	96	4647	1.407 ug/L #	89
19) 1,1-Dichloroethane	6.02	63	4278	0.767 ug/L #	95
21) 2-Butanone	7.00	43	5736	3.773 ug/L	88
22) cis-1,2-Dichloroethene	6.99	96	4737	1.396 ug/L	88
23) Bromochloromethane	7.35	128	2265	1.379 ug/L	95

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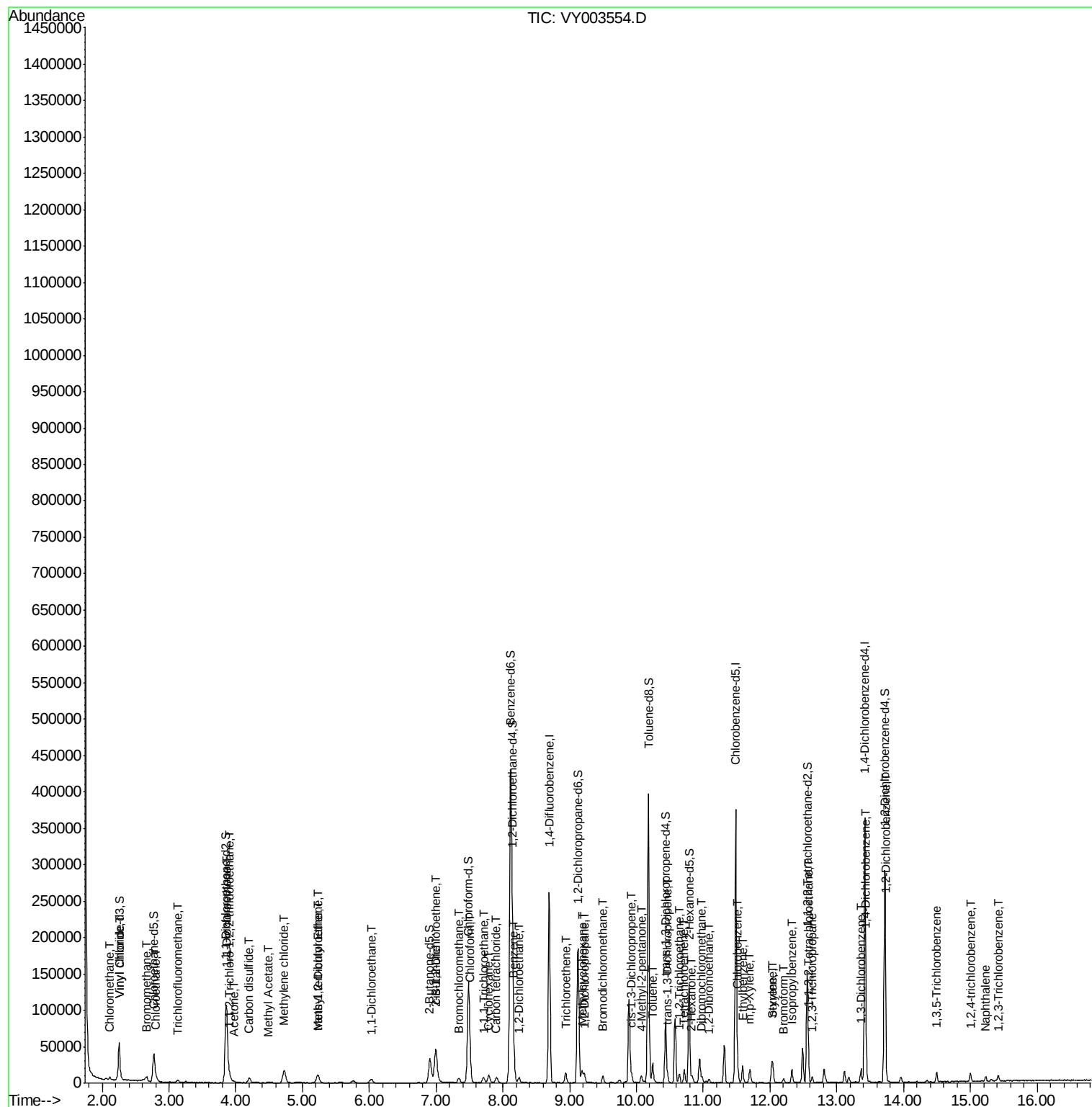
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.51	83	8257	1.489	ug/L	76
27) 1,2-Dichloroethane	8.24	62	5366	1.432	ug/L #	89
30) Cyclohexane	7.78	56	5786	1.148	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	5560	1.233	ug/L	98
32) Carbon tetrachloride	7.90	117	5409	1.263	ug/L	96
34) Benzene	8.17	78	17124	1.310	ug/L	100
35) Trichloroethene	8.94	95	4407	1.332	ug/L	95
36) Methylcyclohexane	9.19	83	6214	1.201	ug/L	97
40) 1,2-Dichloropropane	9.22	63	4378	1.359	ug/L	99
41) Bromodichloromethane	9.50	83	5396	1.312	ug/L #	88
42) cis-1,3-Dichloropropene	9.93	75	6444	1.268	ug/L	90
43) 4-Methyl-2-pentanone	10.07	43	6501	2.411	ug/L	99
44) Toluene	10.24	91	17952	1.303	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	7980	1.705	ug/L	96
46) 1,1,2-Trichloroethane	10.64	97	3733	1.450	ug/L	93
47) Tetrachloroethene	10.72	164	3930	1.366	ug/L #	72
49) 2-Hexanone	10.83	43	5496	2.581	ug/L #	97
50) Dibromochloromethane	10.98	129	3789	1.220	ug/L	88
51) 1,2-Dibromoethane	11.08	107	3355	1.307	ug/L #	95
52) Chlorobenzene	11.52	112	11507	1.308	ug/L	94
53) Ethylbenzene	11.59	91	16875	1.193	ug/L	94
54) m,p-Xylene	11.70	106	6764	1.242	ug/L	83
55) o-xylene	12.03	106	5114	1.125	ug/L	93
56) Styrene	12.05	104	10277	1.154	ug/L	91
57) Isopropylbenzene	12.33	105	10996	1.069	ug/L #	95
58) 1,1,2,2-Tetrachloroethane	12.58	83	4012	1.321	ug/L #	94
59) 1,2,3-Trichloropropane	12.63	75	2961	1.252	ug/L	98
62) Bromoform	12.20	173	2557	1.316	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	7698	1.275	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	8410	1.353	ug/L	95
65) 1,2-Dichlorobenzene	13.73	146	6803	1.368	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	4021	1.255	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	3304	1.197	ug/L	93
69) Naphthalene	15.23	128	5553	1.141	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	2548	1.221	ug/L	93

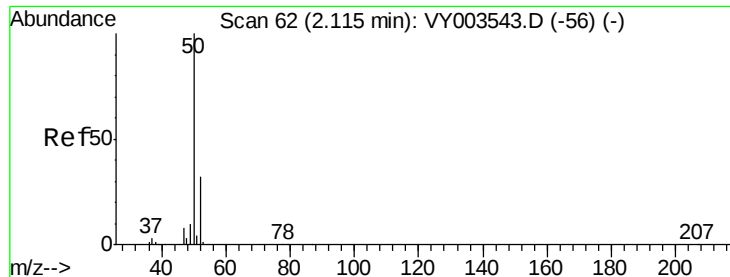
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.357 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

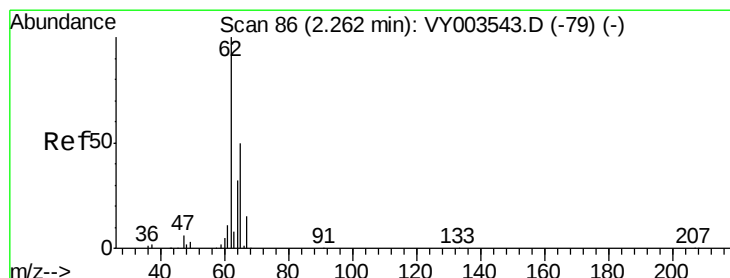
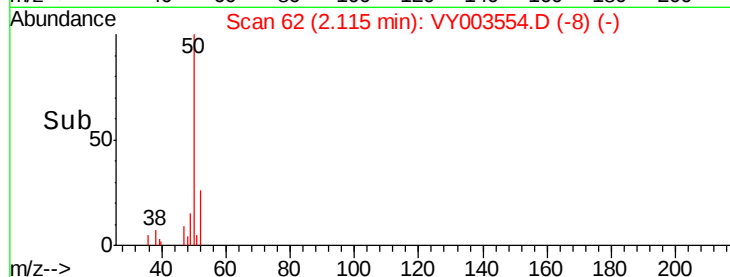
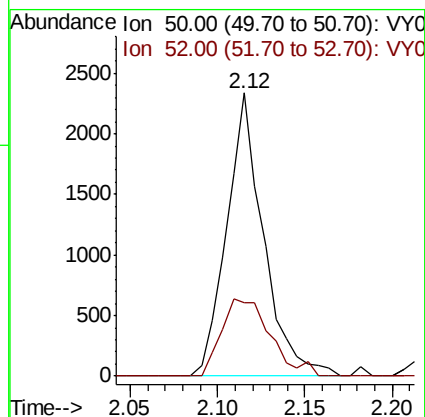
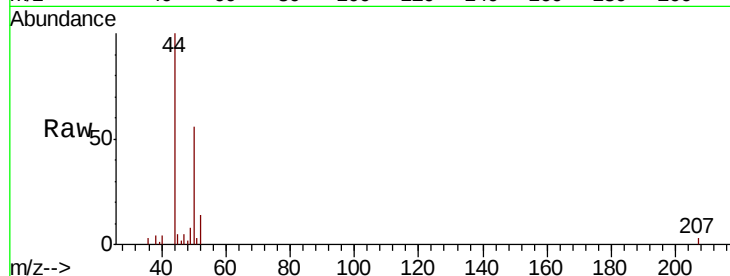
MDL07

Tot Ion: 50 Resp: 3426

Ion Ratio Lower Upper

50 100

52 25.8 22.4 41.6



#5

Vinyl chloride

Concen: 1.453 ug/L

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003554.D

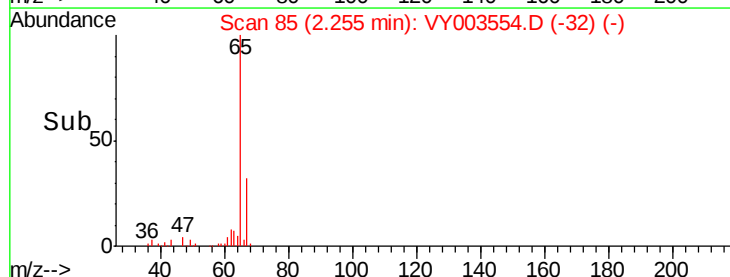
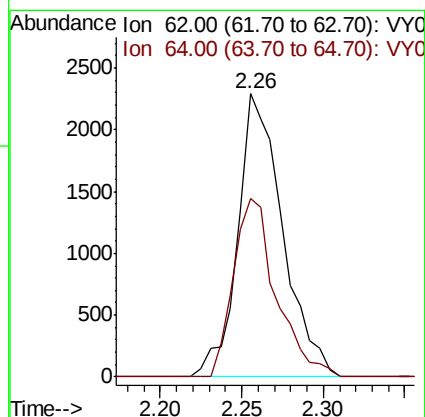
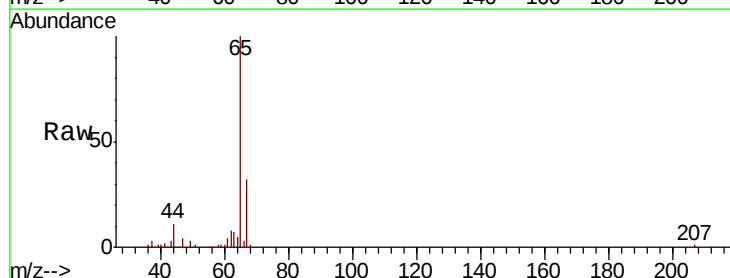
Acq: 19 Nov 2020 17:37

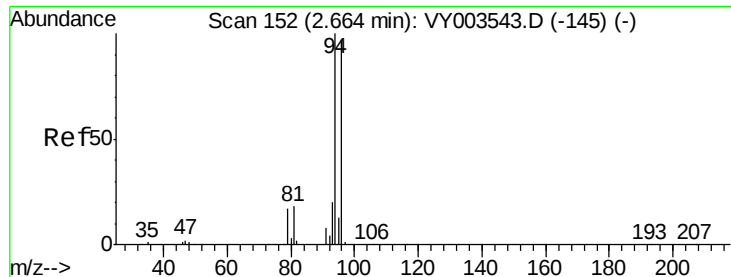
Tgt Ion: 62 Resp: 4380

Ion Ratio Lower Upper

62 100

64 63.2 22.7 42.1#





#6

Bromomethane

Concen: 1.297 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

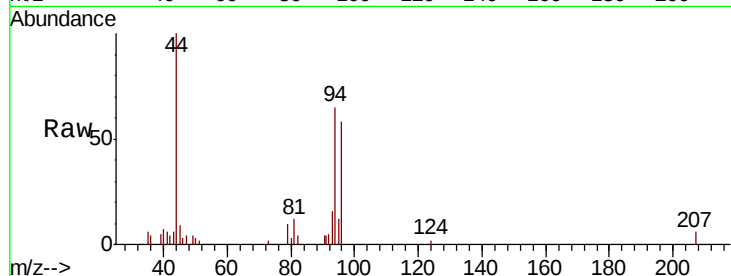
MDL07

Tot Ion: 94 Resp: 3036

Ion Ratio Lower Upper

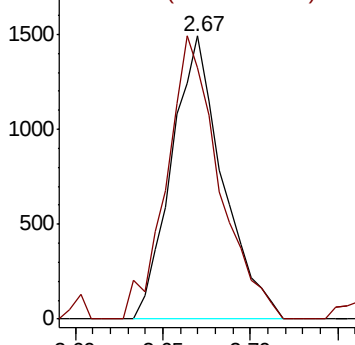
94 100

96 102.6 9.4 178.6

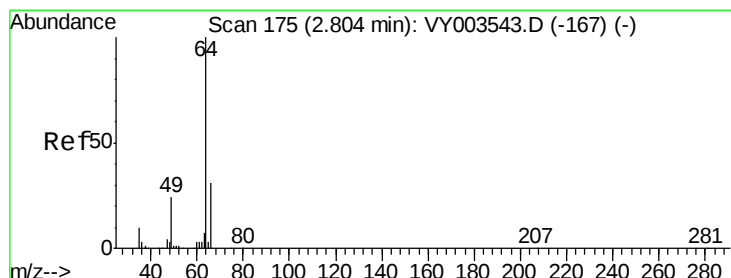
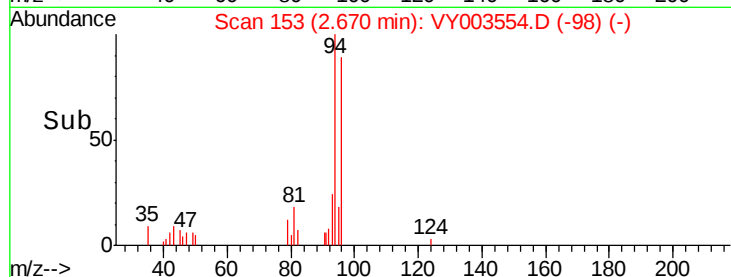


Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



Time-->



#8

Chloroethane

Concen: 1.295 ug/L

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY003554.D

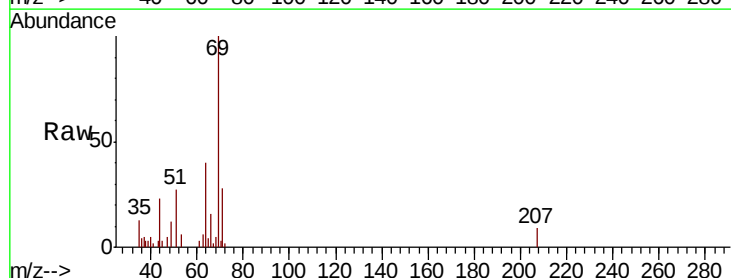
Acq: 19 Nov 2020 17:37

Tgt Ion: 64 Resp: 2652

Ion Ratio Lower Upper

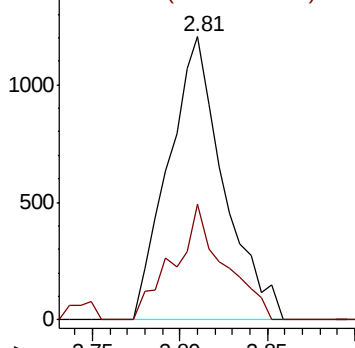
64 100

66 40.9 21.8 40.6#

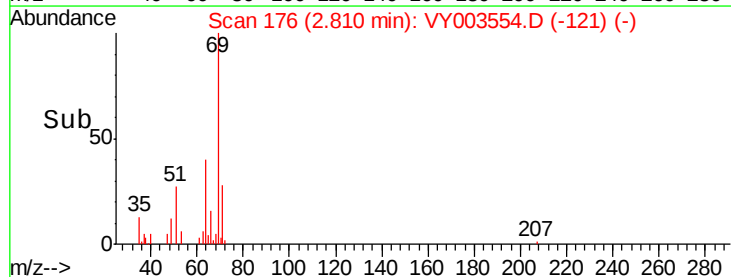


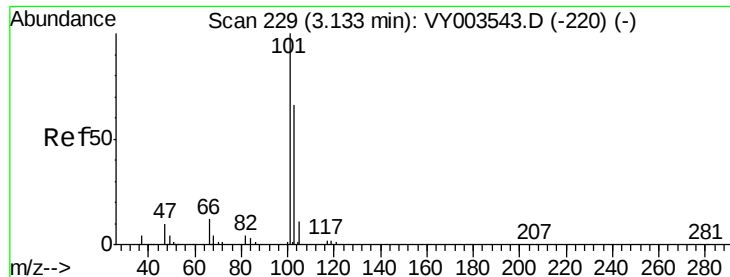
Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



Time-->



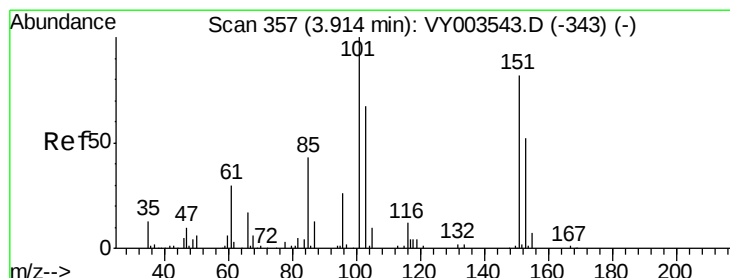
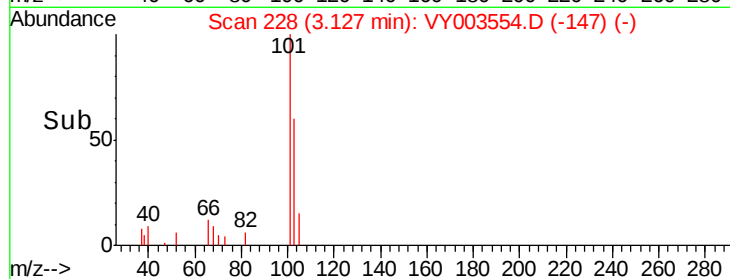
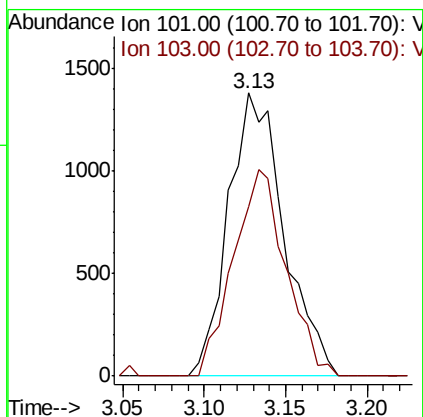
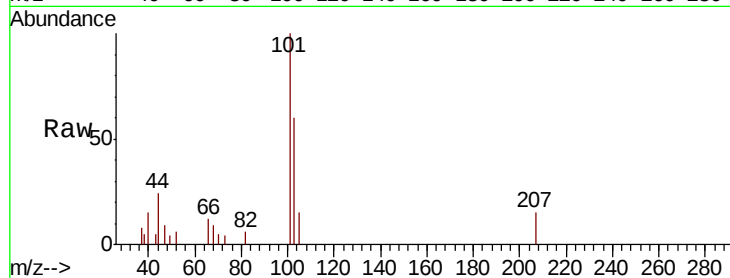


#9

Trichlorofluoromethane
 Concen: 1.134 ug/L
 RT: 3.13 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VY003554.D
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Instrument :
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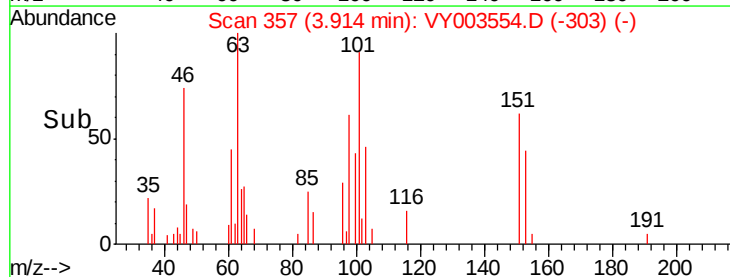
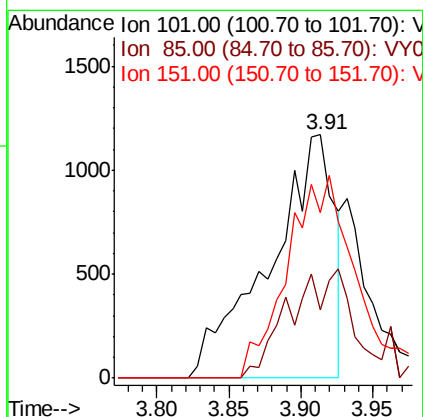
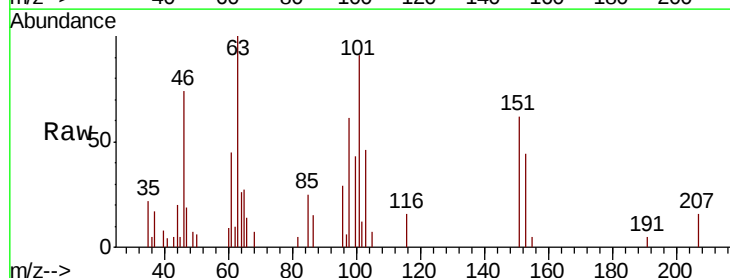
Tot Ion:101 Resp: 3278
 Ion Ratio Lower Upper
 101 100
 103 69.2 45.6 84.6

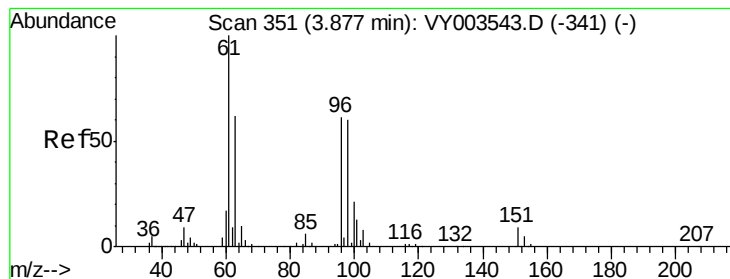


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.220 ug/L
 RT: 3.91 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VY003554.D
 Acq: 19 Nov 2020 17:37

Tgt Ion:101 Resp: 3655
 Ion Ratio Lower Upper
 101 100
 85 19.2 35.0 52.4#
 151 89.6 65.4 98.0





#12

1,1-Dichloroethene

Concen: 1.630 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

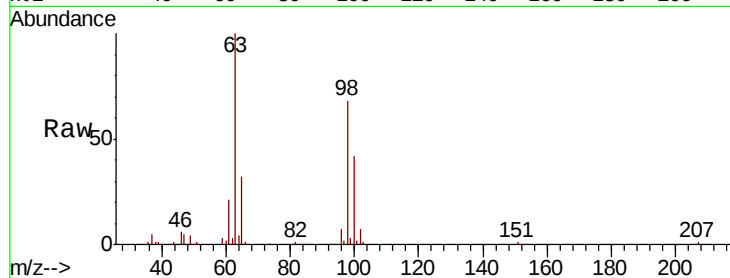
Tot Ion: 96 Resp: 5107

Ion Ratio Lower Upper

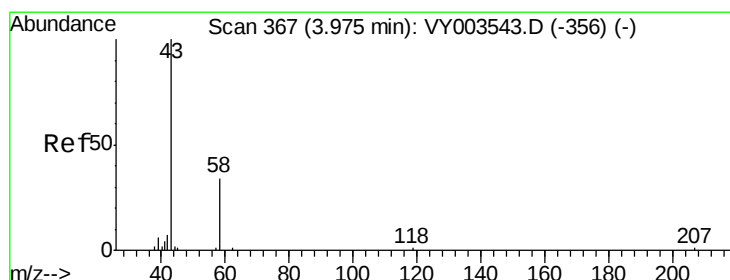
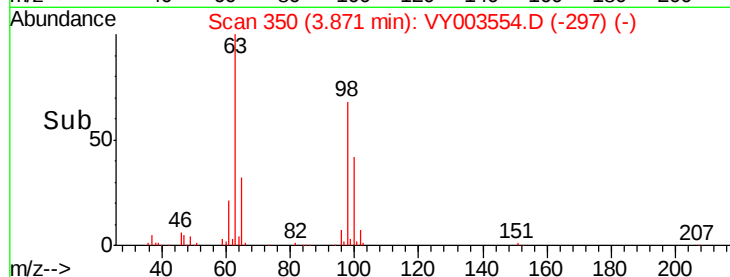
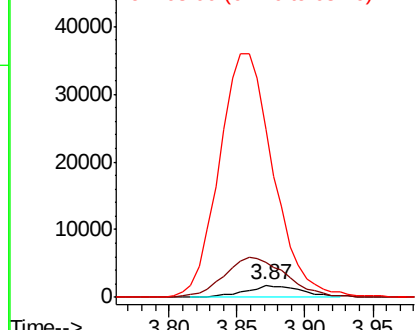
96 100

61 288.3 116.6 216.6#

63 1393.7 77.5 143.9#



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



#13

Acetone

Concen: 2.668 ug/L

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003554.D

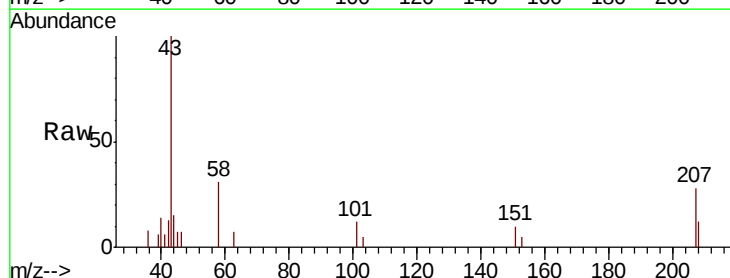
Acq: 19 Nov 2020 17:37

Tgt Ion: 43 Resp: 2409

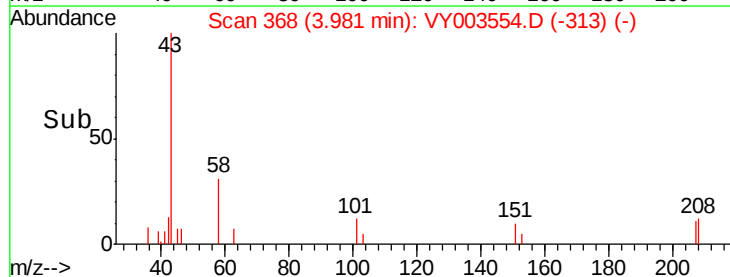
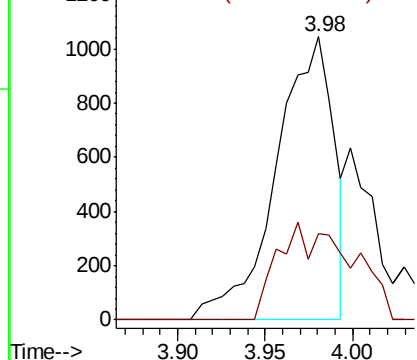
Ion Ratio Lower Upper

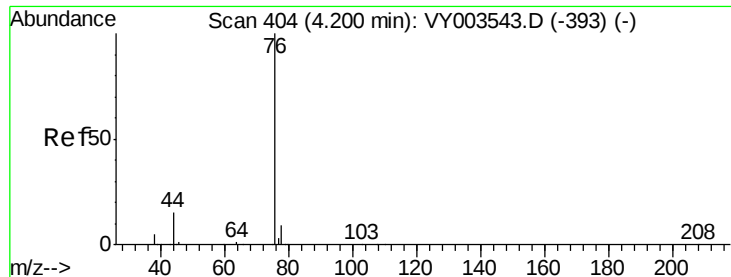
43 100

58 7.2 0.0 66.2



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





#14

Carbon disulfide

Concen: 1.262 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

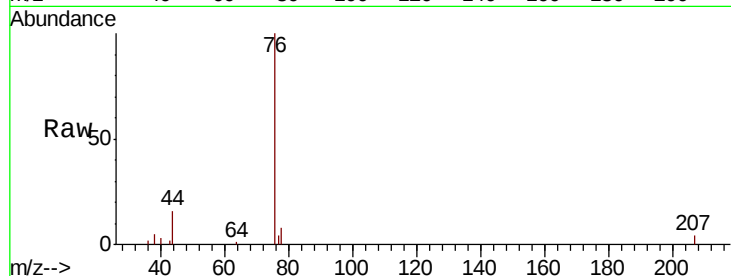
MDL07

Tot Ion: 76 Resp: 13102

Ion Ratio Lower Upper

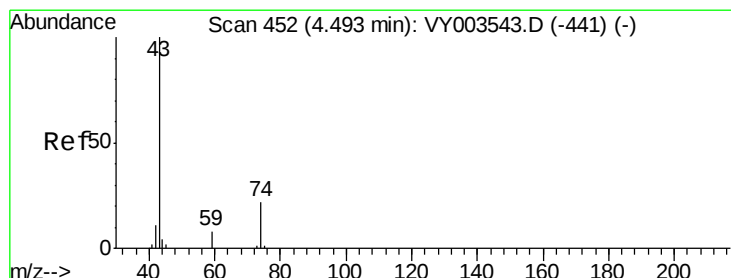
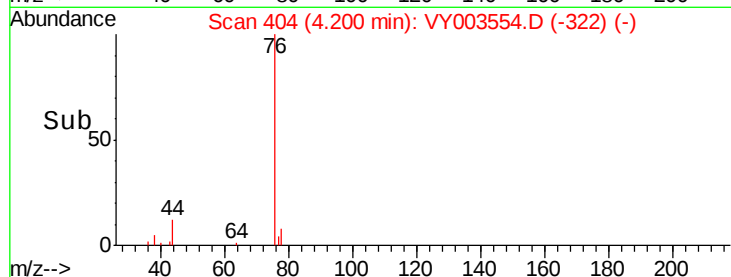
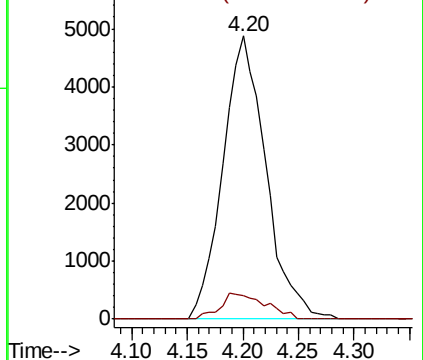
76 100

78 8.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#15

Methyl Acetate

Concen: 1.191 ug/L

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003554.D

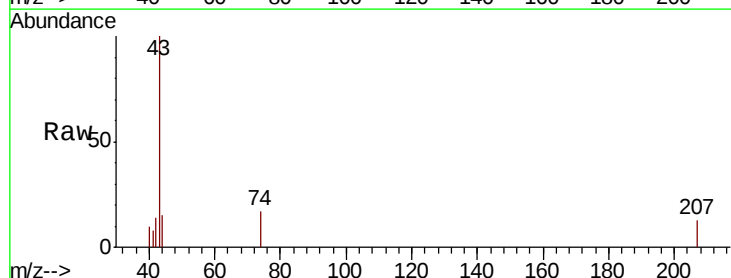
Acq: 19 Nov 2020 17:37

Tgt Ion: 43 Resp: 2729

Ion Ratio Lower Upper

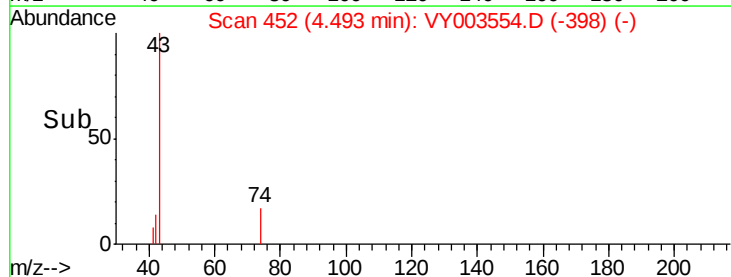
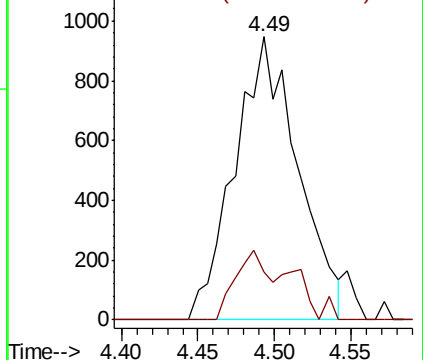
43 100

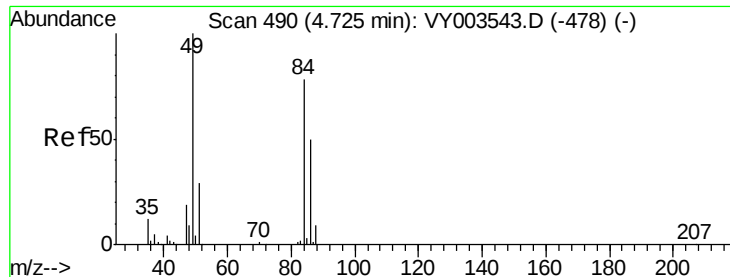
74 12.6 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

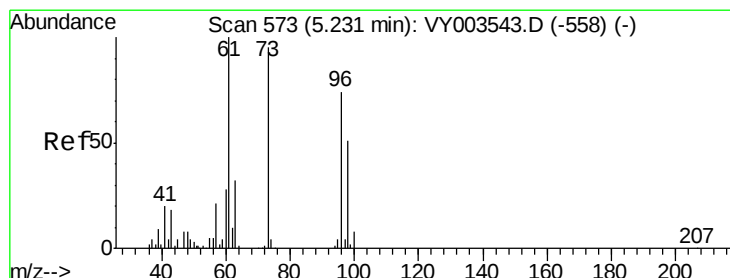
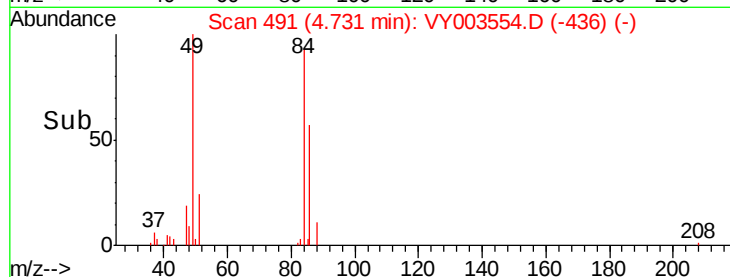
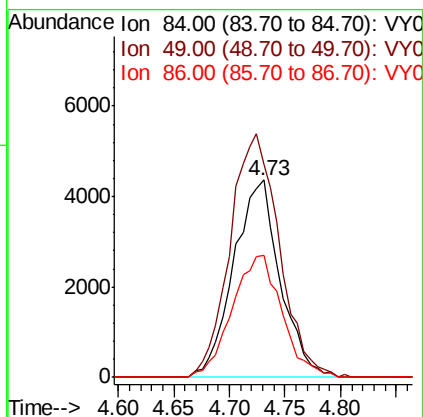
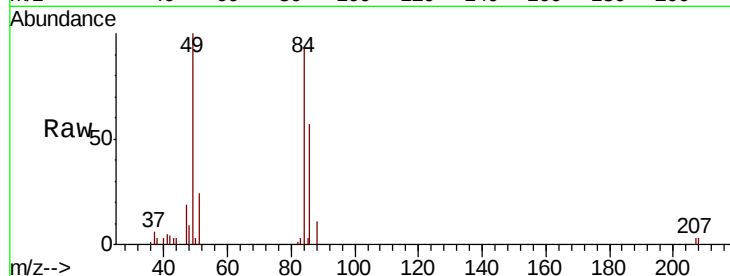




#16
Methylene chloride
Concen: 3.267 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

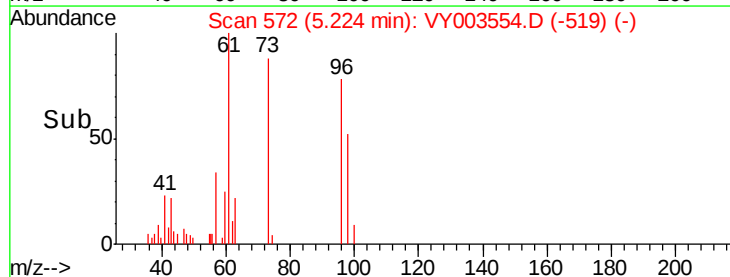
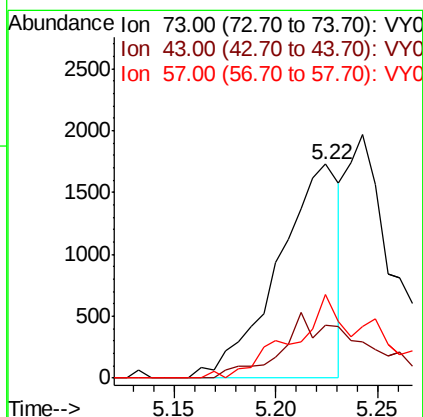
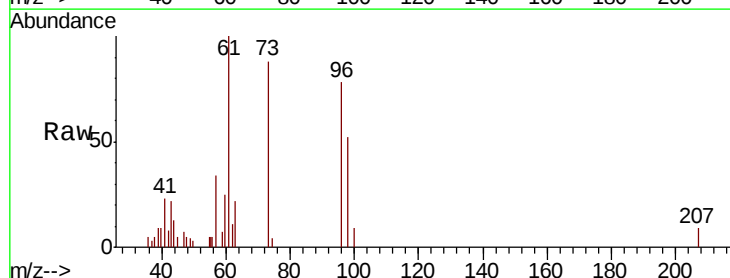
Instrument :
MSVOA_Y
ClientSampleId :
MDL07

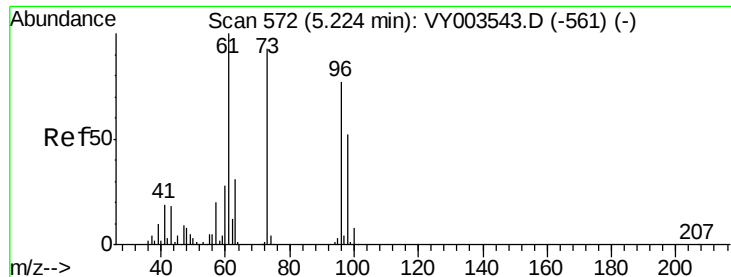
Tot Ion: 84 Resp: 12673
Ion Ratio Lower Upper
84 100
49 107.7 90.3 167.7
86 61.7 44.7 83.1



#17
Methyl tert-butyl Ether
Concen: 0.743 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

Tgt Ion: 73 Resp: 3640
Ion Ratio Lower Upper
73 100
43 10.3 15.9 23.9#
57 21.7 10.5 15.7#

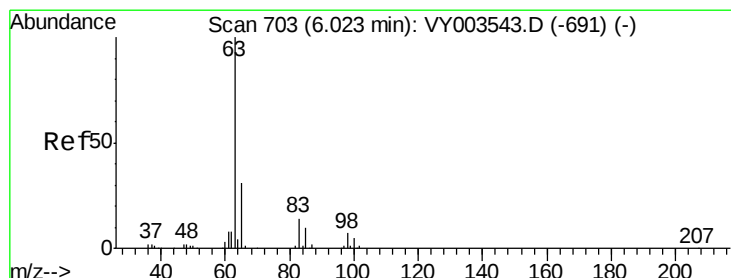
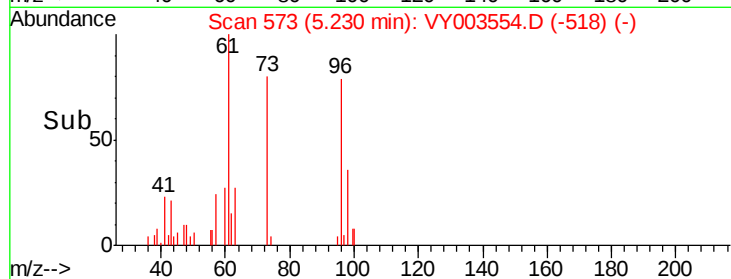
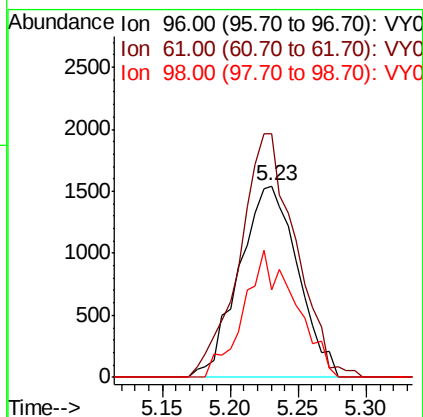
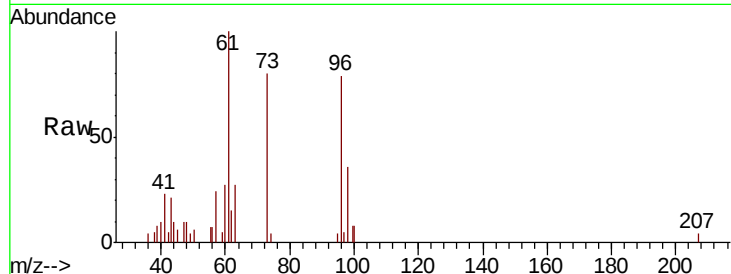




#18
trans-1,2-Dichloroethene
Concen: 1.407 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

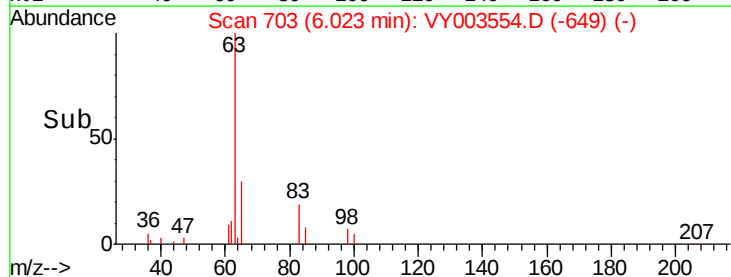
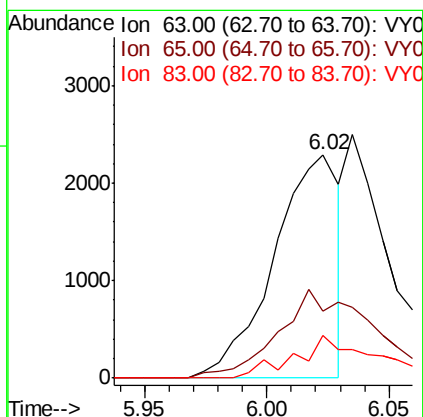
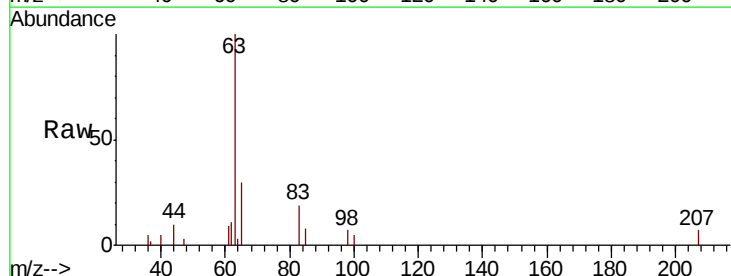
Instrument :
MSVOA_Y
ClientSampled :
MDL07

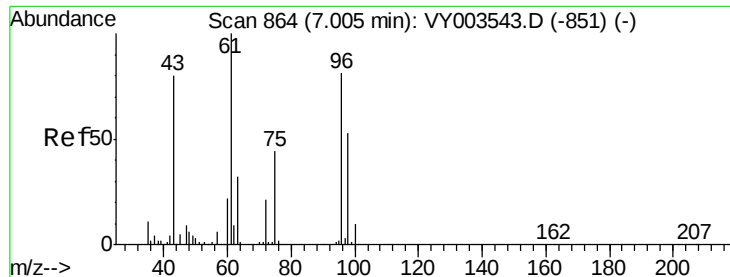
Tot Ion: 96 Resp: 4647
Ion Ratio Lower Upper
96 100
61 127.2 90.8 168.6
98 45.5 46.8 87.0#



#19
1,1-Dichloroethane
Concen: 0.767 ug/L
RT: 6.02 min Scan# 703
Delta R.T. -0.00 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

Tgt Ion: 63 Resp: 4278
Ion Ratio Lower Upper
63 100
65 30.0 22.0 40.8
83 19.1 9.9 18.5#





#21

2-Butanone

Concen: 3.773 ug/L

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

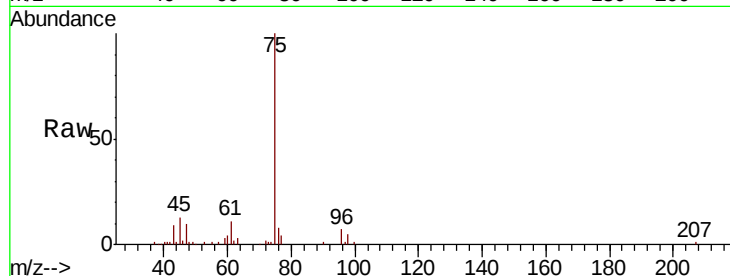
MDL07

Tot Ion: 43 Resp: 5736

Ion Ratio Lower Upper

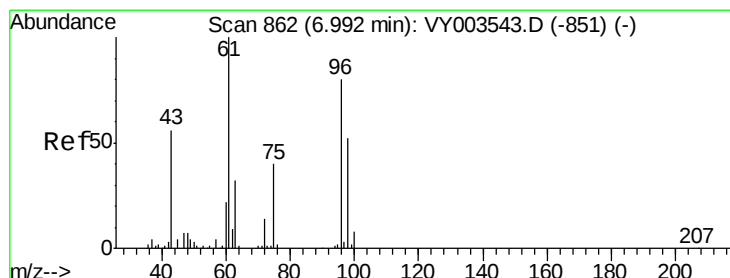
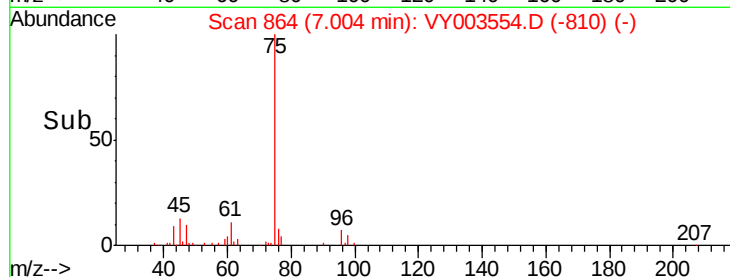
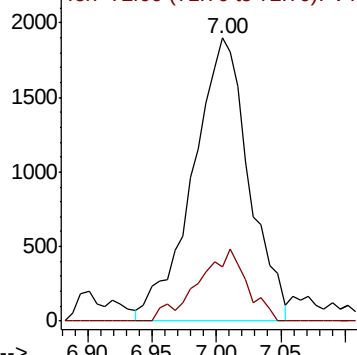
43 100

72 20.4 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#22

cis-1,2-Dichloroethene

Concen: 1.396 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

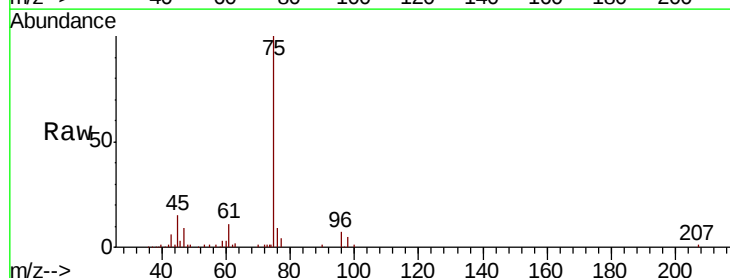
Tgt Ion: 96 Resp: 4737

Ion Ratio Lower Upper

96 100

61 141.4 88.1 163.5

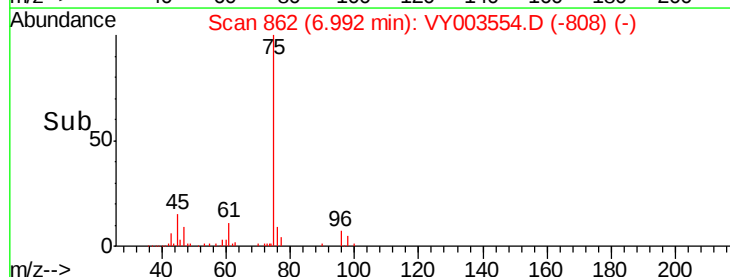
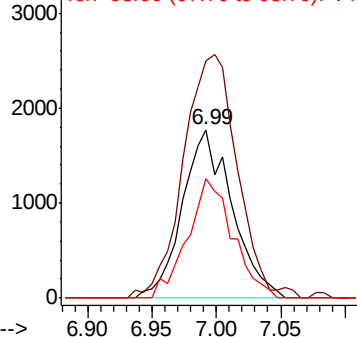
98 71.4 45.6 84.6

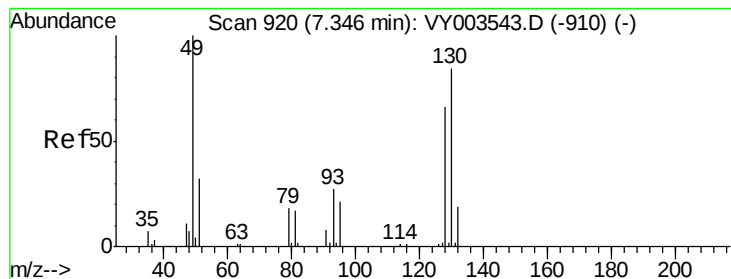


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#23

Bromochloromethane

Concen: 1.379 ug/L

RT: 7.35 min Scan# 920

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

MDL07

Tot Ion:128 Resp: 2265

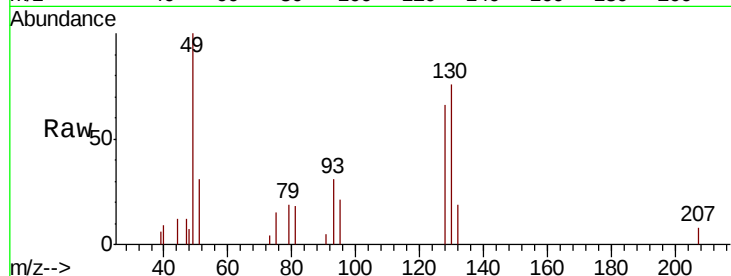
Ion Ratio Lower Upper

128 100

49 151.2 107.3 199.3

130 114.8 89.3 165.9

51 47.2 38.8 58.2

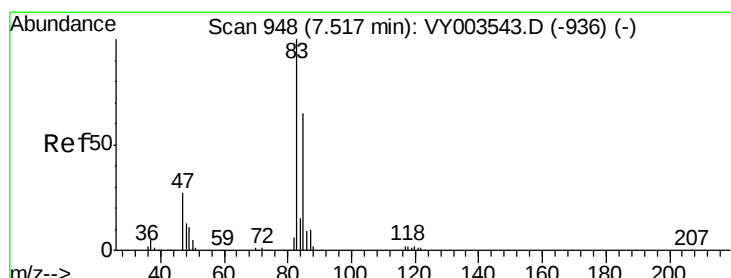
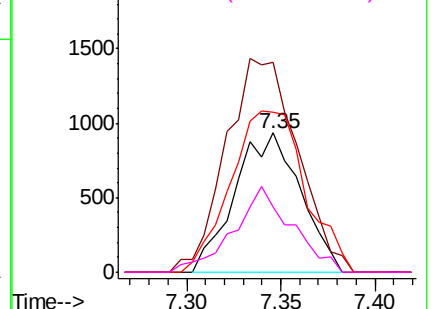
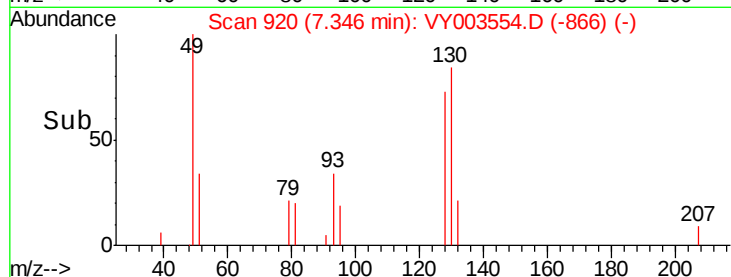


Abundance Ion 128.00 (127.70 to 128.70): VY003543.D (-910) (-)

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: 1.489 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003554.D

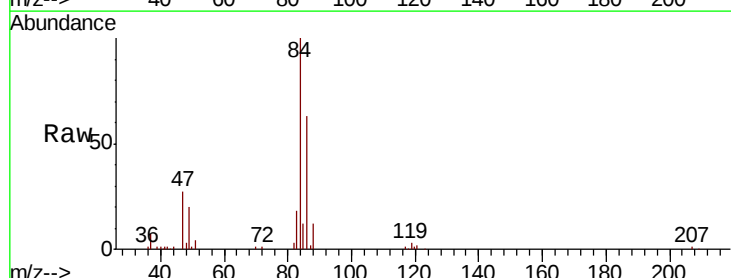
Acq: 19 Nov 2020 17:37

Tgt Ion: 83 Resp: 8257

Ion Ratio Lower Upper

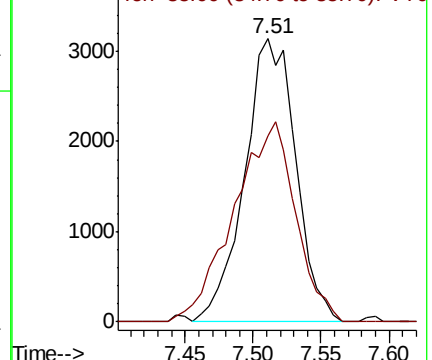
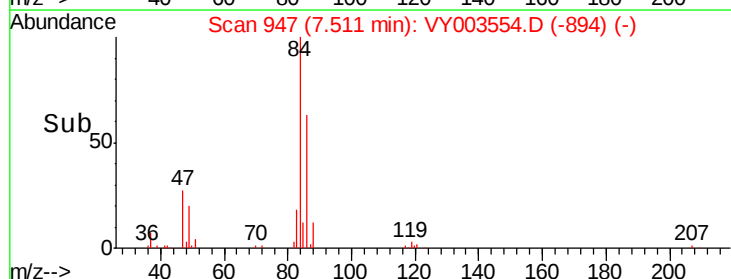
83 100

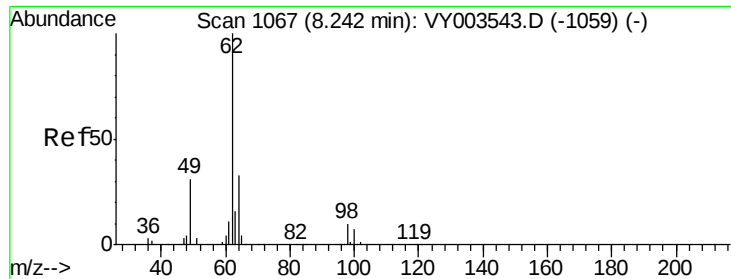
85 85.4 46.2 85.8



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: 1.432 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

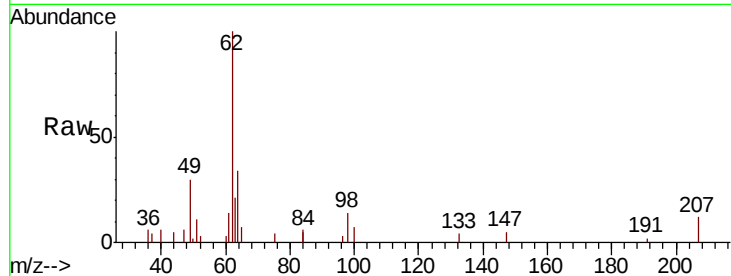
MDL07

Tot Ion: 62 Resp: 5366

Ion Ratio Lower Upper

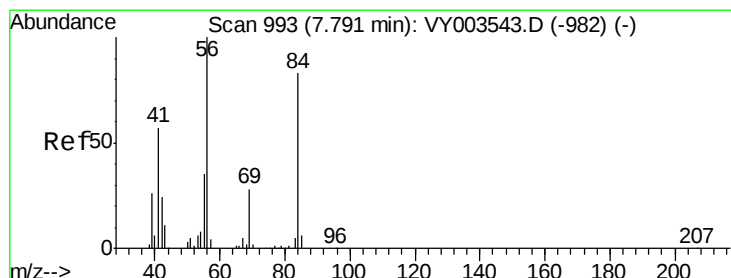
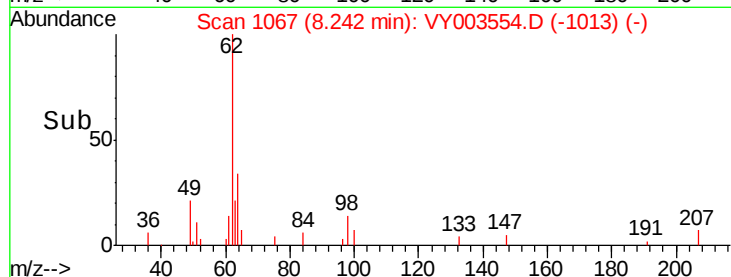
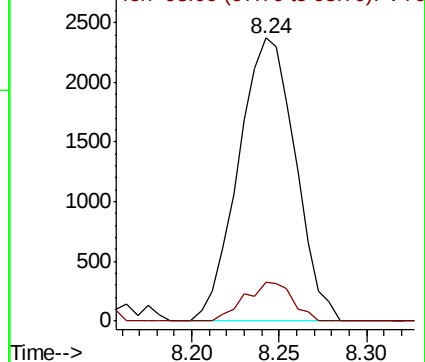
62 100

98 13.8 7.7 11.5#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#30

Cyclohexane

Concen: 1.148 ug/L

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

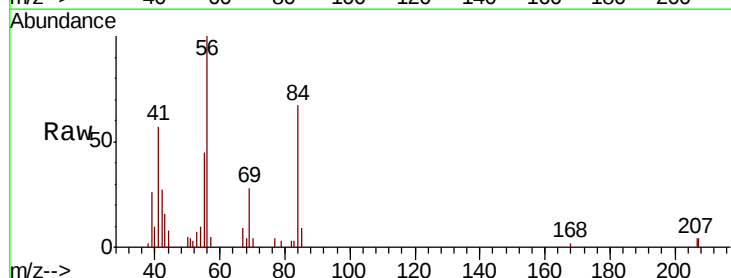
Tgt Ion: 56 Resp: 5786

Ion Ratio Lower Upper

56 100

69 29.9 23.3 34.9

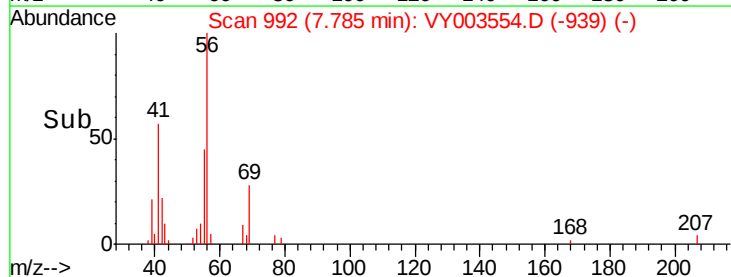
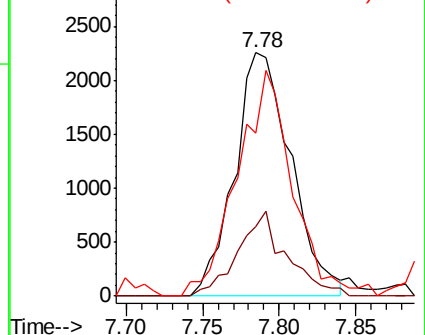
84 87.1 69.9 104.9

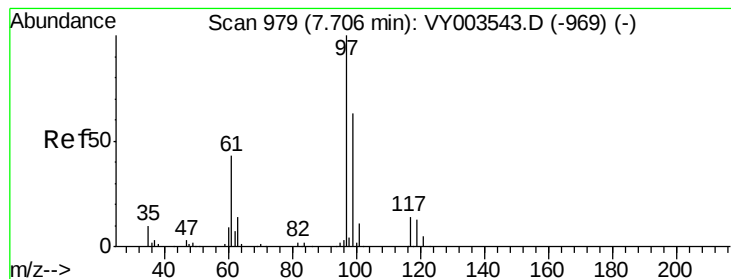


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#31

1,1,1-Trichloroethane

Concen: 1.233 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

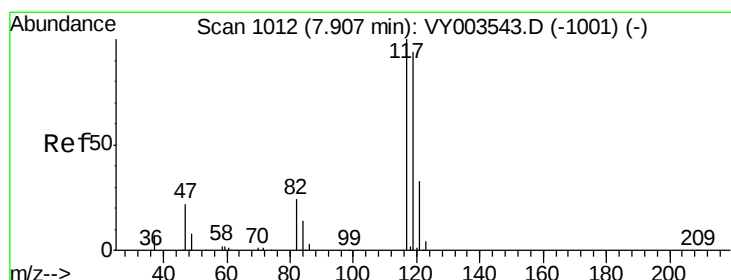
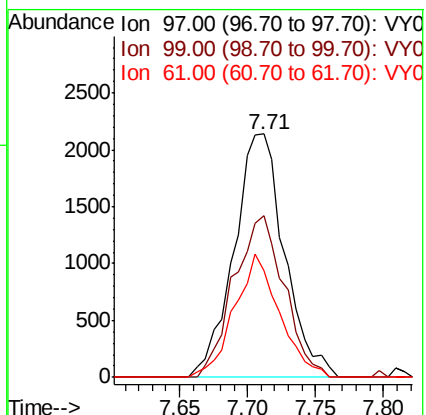
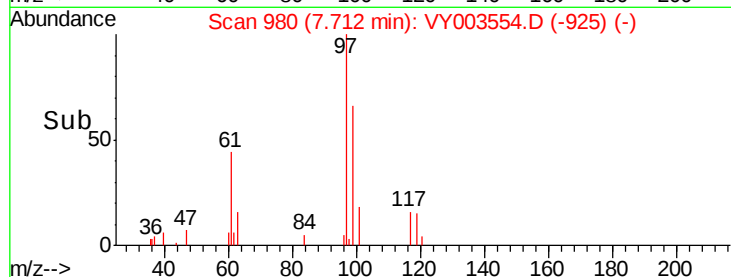
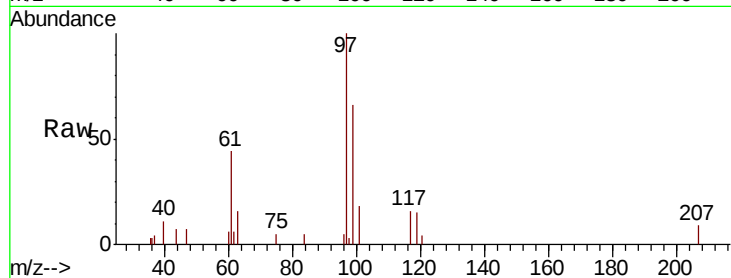
Tot Ion: 97 Resp: 5560

Ion Ratio Lower Upper

97 100

99 66.0 52.1 78.1

61 45.2 34.9 52.3



#32

Carbon tetrachloride

Concen: 1.263 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VY003554.D

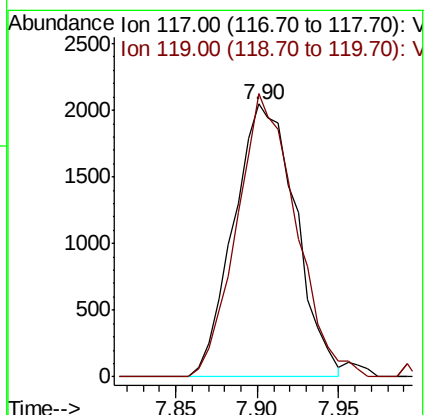
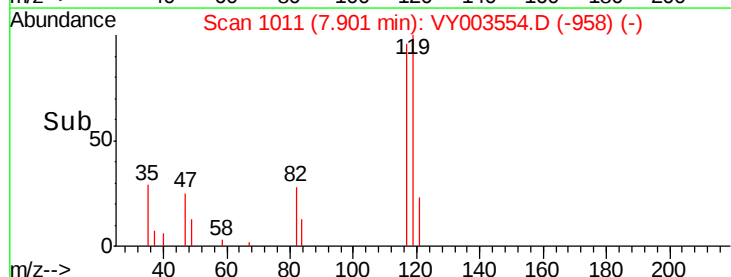
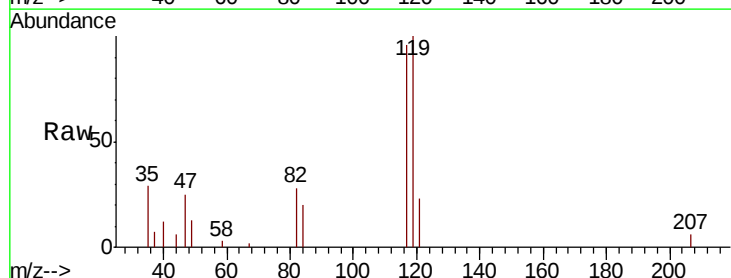
Acq: 19 Nov 2020 17:37

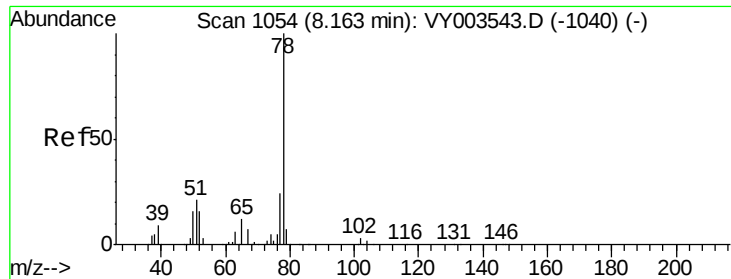
Tgt Ion: 117 Resp: 5409

Ion Ratio Lower Upper

117 100

119 98.8 76.2 114.4





#34

Benzene

Concen: 1.310 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

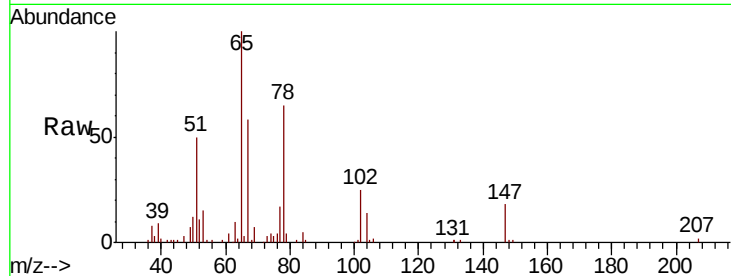
Instrument :

MSVOA_Y

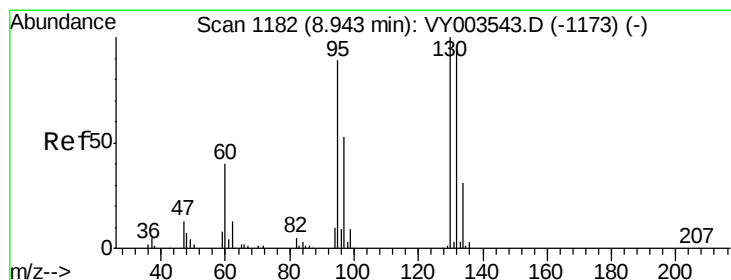
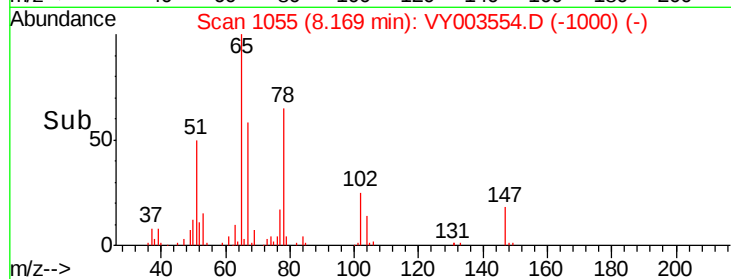
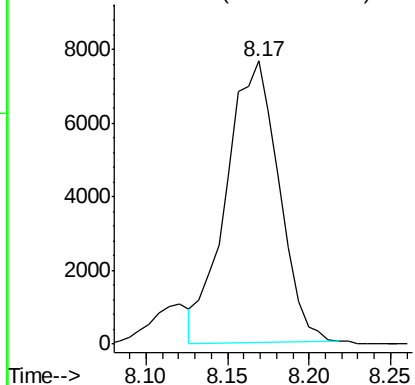
ClientSampleId :

MDL07

Tgt Ion: 78 Resp: 17124



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.332 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Tgt Ion: 95 Resp: 4407

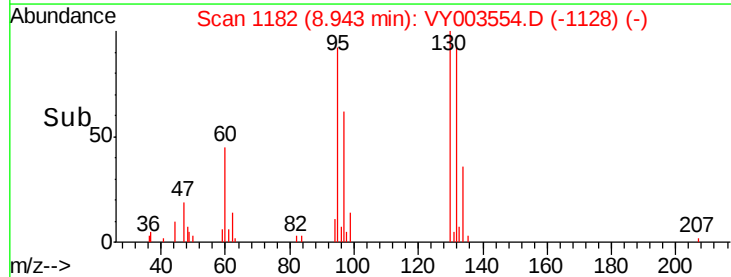
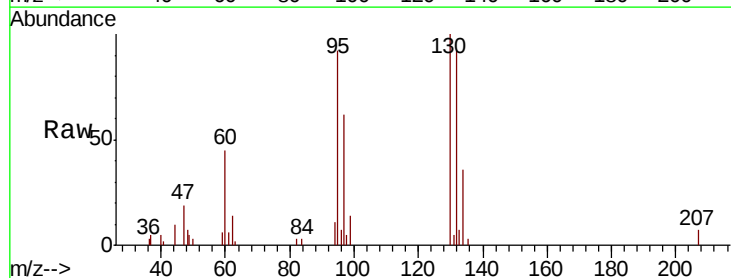
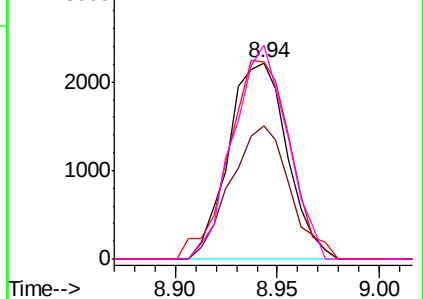
Ion	Ratio	Lower	Upper
95	100		
97	68.2	44.5	82.7
132	105.9	73.1	135.7
130	101.7	76.1	141.3

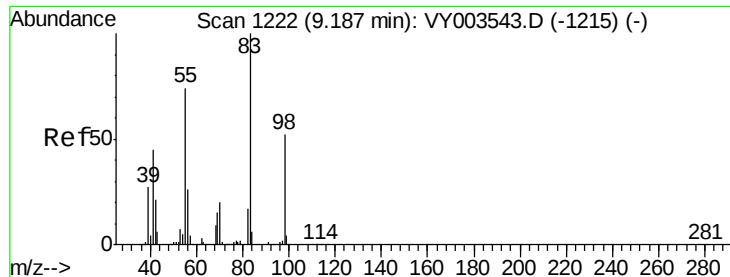
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

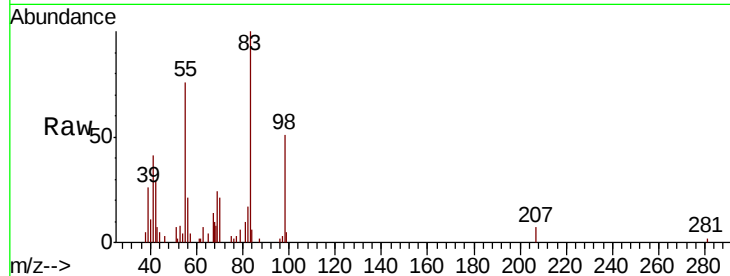




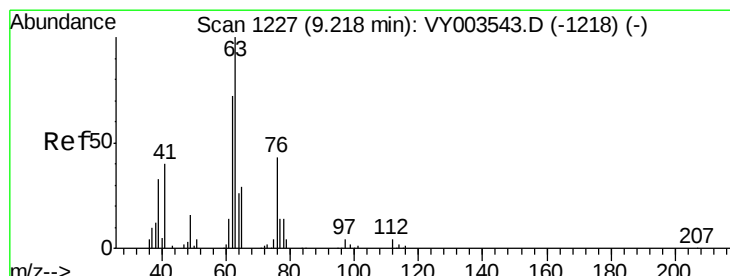
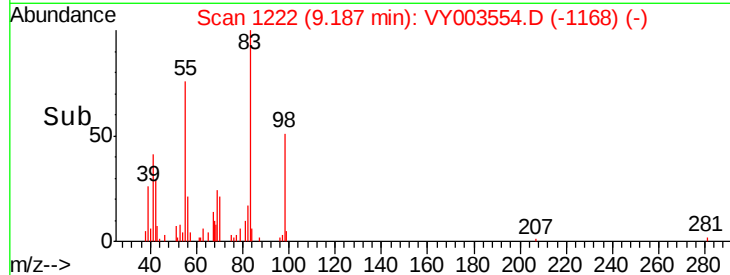
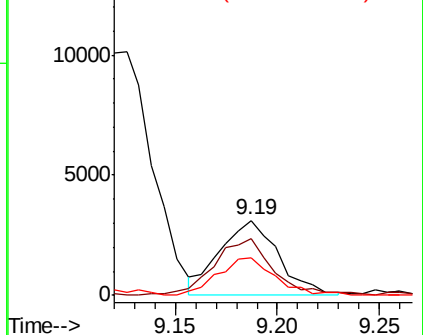
#36
Methvlcvclohexane
Concen: 1.201 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

Instrument :
MSVOA_Y
ClientSampled :
MDL07

Tot Ion: 83 Resp: 6214
Ion Ratio Lower Upper
83 100
55 74.8 60.8 91.2
98 47.9 40.6 61.0

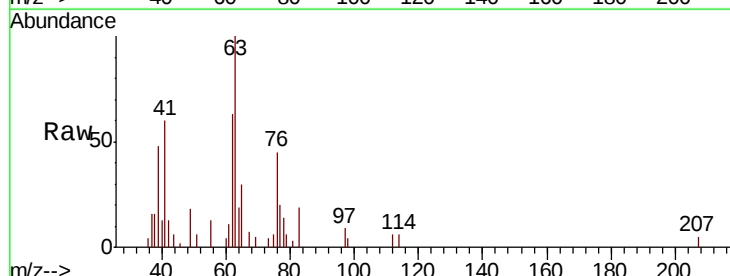


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

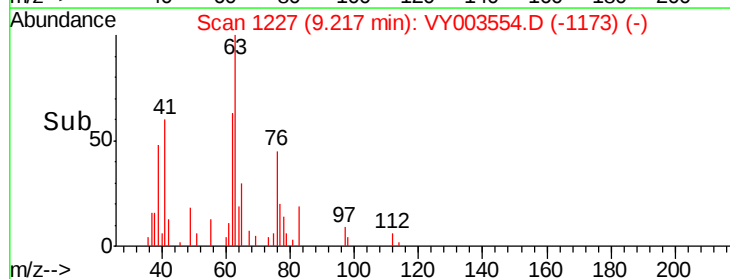
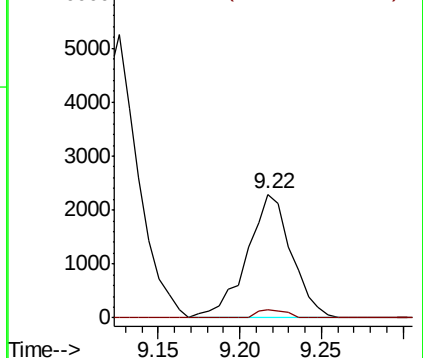


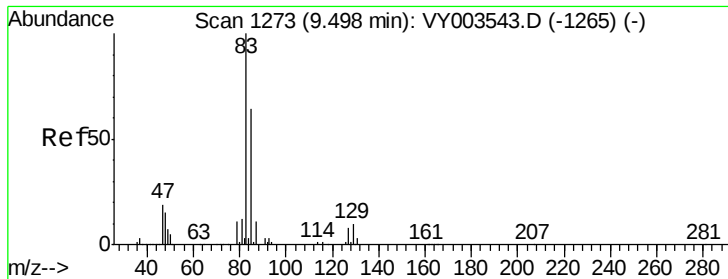
#40
1,2-Dichloropropane
Concen: 1.359 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VY003554.D
Acq: 19 Nov 2020 17:37

Tgt Ion: 63 Resp: 4378
Ion Ratio Lower Upper
63 100
112 4.2 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: 1.312 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

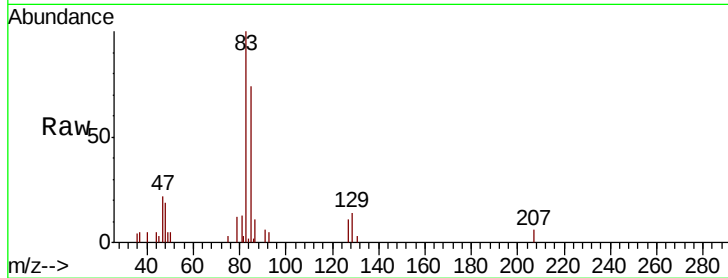
Tot Ion: 83 Resp: 5396

Ion Ratio Lower Upper

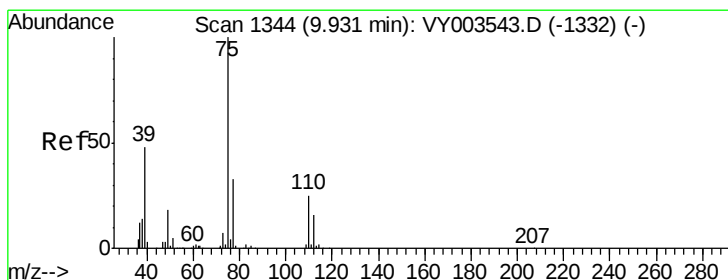
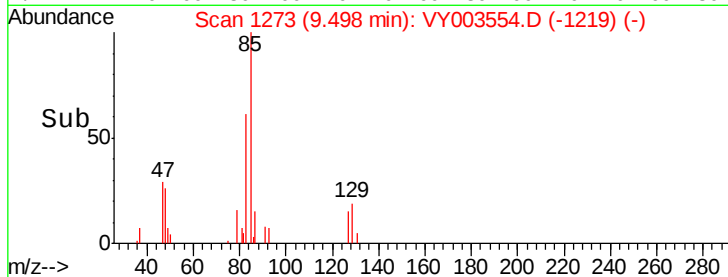
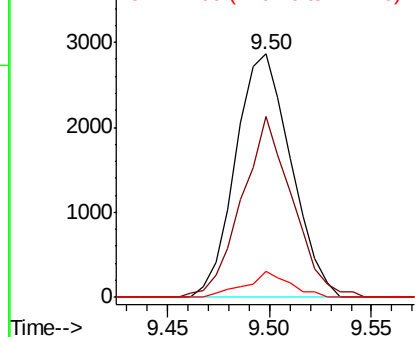
83 100

85 74.2 45.1 83.7

127 10.9 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: 1.268 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003554.D

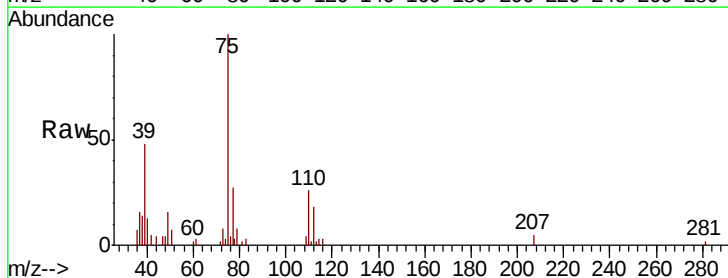
Acq: 19 Nov 2020 17:37

Tgt Ion: 75 Resp: 6444

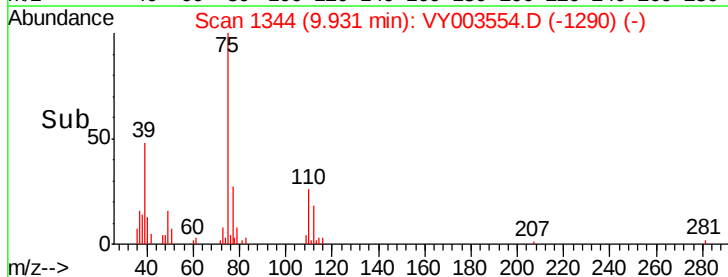
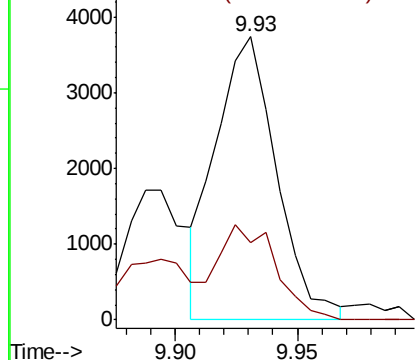
Ion Ratio Lower Upper

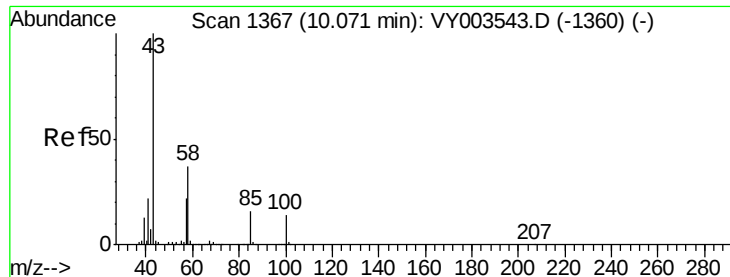
75 100

77 27.3 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: 2.411 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

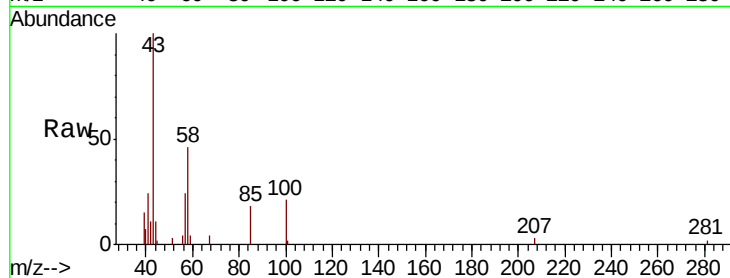
Tot Ion: 43 Resp: 6501

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2

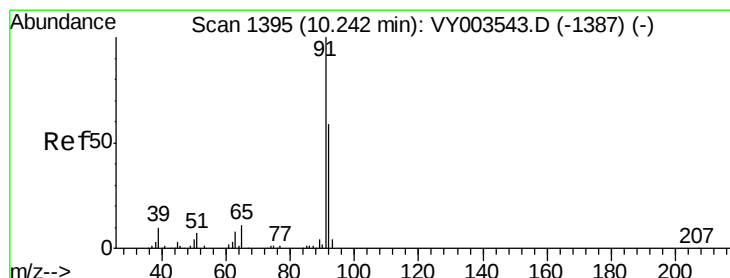
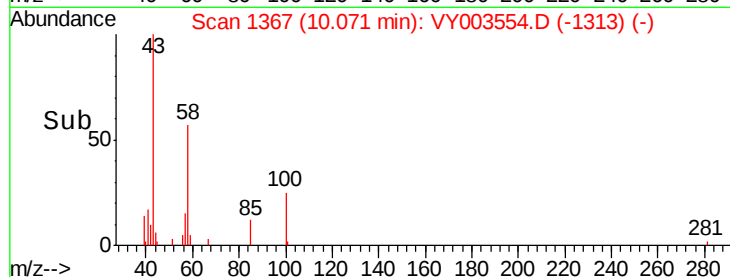
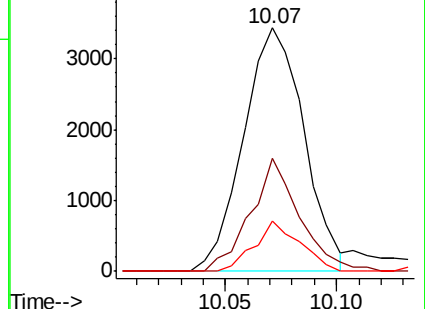
100 15.6 11.7 17.5



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: 1.303 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003554.D

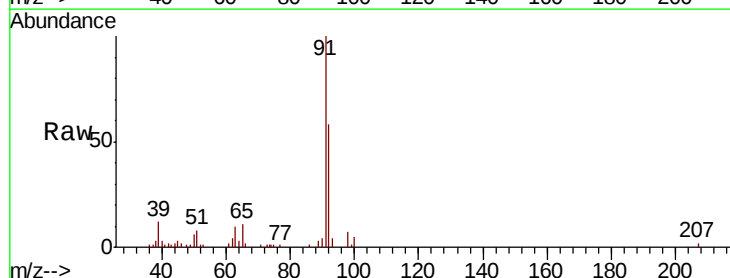
Acq: 19 Nov 2020 17:37

Tgt Ion: 91 Resp: 17952

Ion Ratio Lower Upper

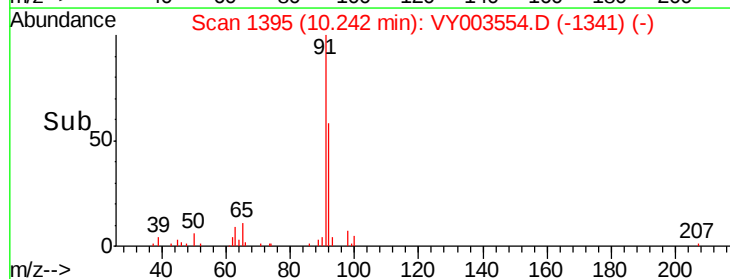
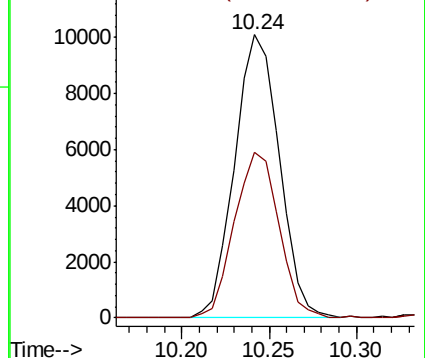
91 100

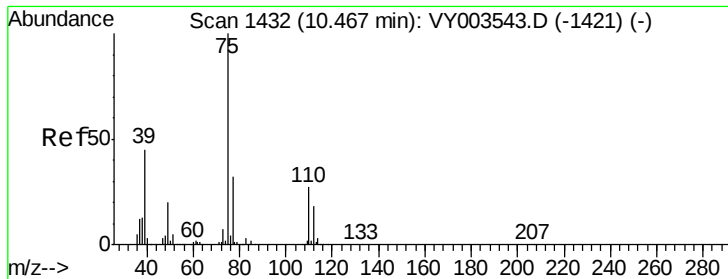
92 58.3 41.0 76.2



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: 1.705 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

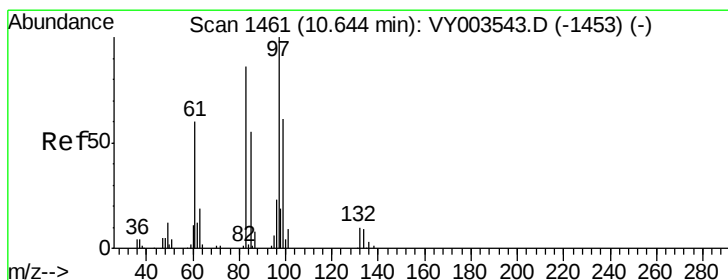
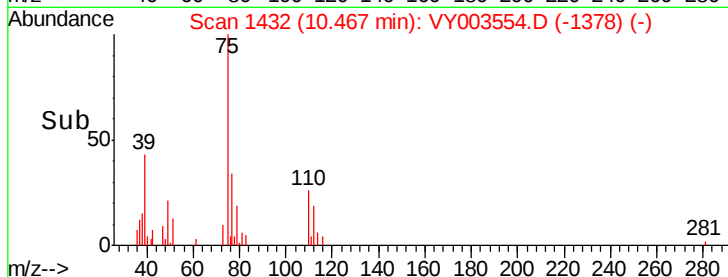
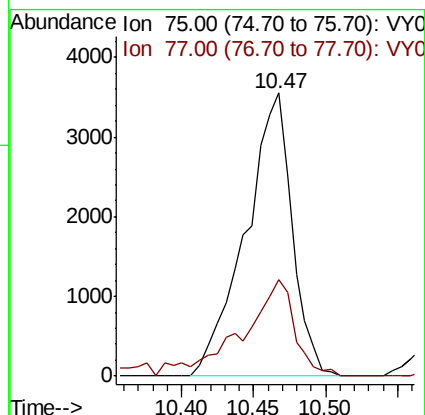
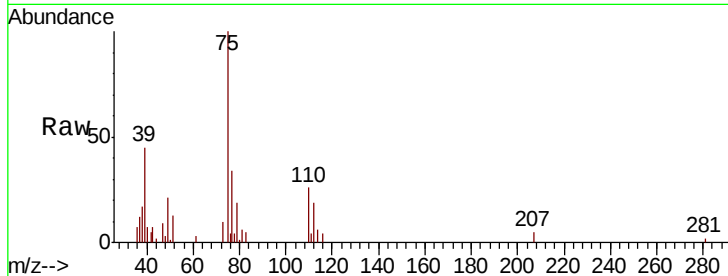
MDL07

Tot Ion: 75 Resp: 7980

Ion Ratio Lower Upper

75 100

77 34.1 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 1.450 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Tgt Ion: 97 Resp: 3733

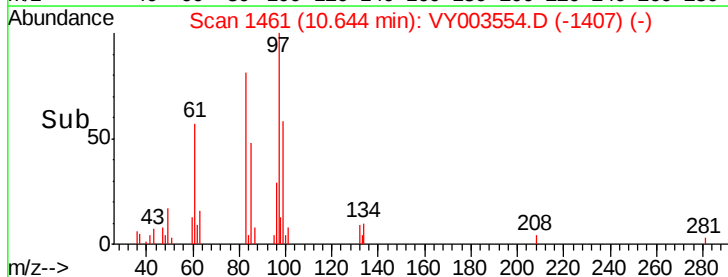
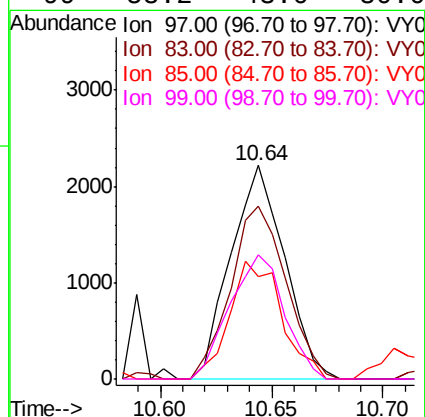
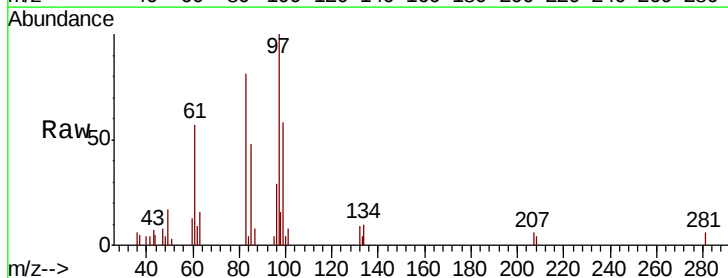
Ion Ratio Lower Upper

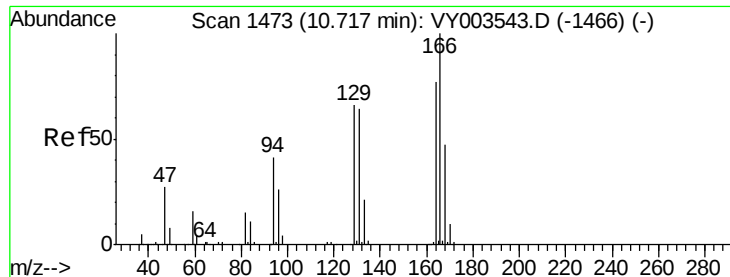
97 100

83 80.8 60.1 111.5

85 47.7 38.9 72.2

99 58.2 43.0 80.0





#47

Tetrachloroethene

Concen: 1.366 ug/L

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleID :

MDL07

Tot Ion:164 Resp: 3930

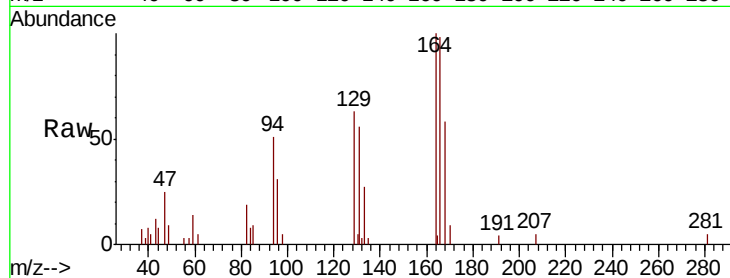
Ion Ratio Lower Upper

164 100

129 63.0 60.6 112.6

131 55.8 58.7 109.1#

166 98.1 91.2 169.4



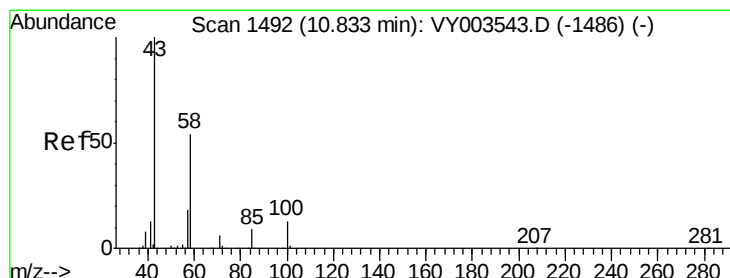
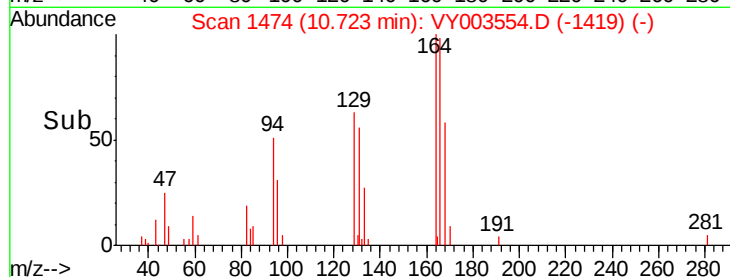
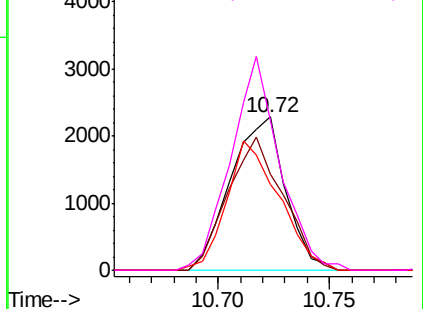
Abundance

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: 2.581 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Tgt Ion: 43 Resp: 5496

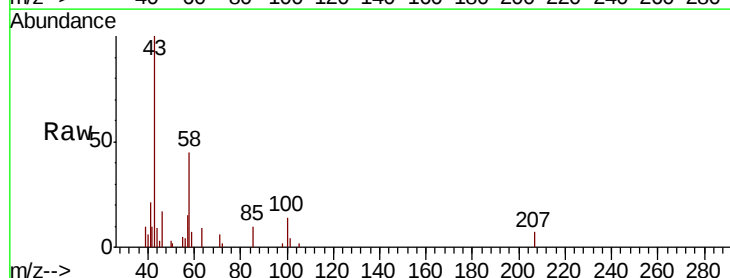
Ion Ratio Lower Upper

43 100

58 51.8 42.1 63.1

57 13.2 14.2 21.2#

100 10.9 9.5 14.3



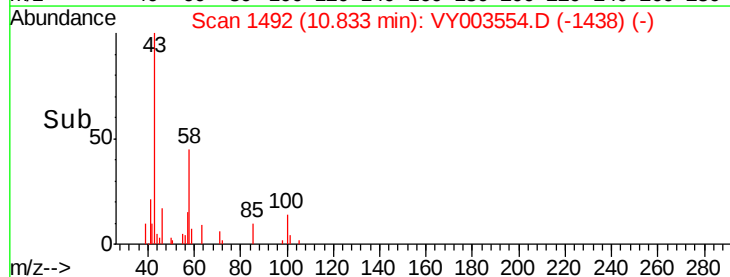
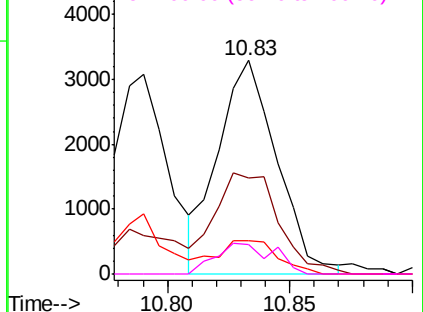
Abundance

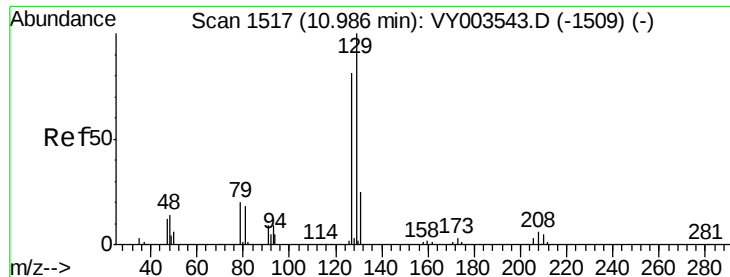
Ion 43.00 (42.70 to 43.70): VY0

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: 1.220 ug/L

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampled :

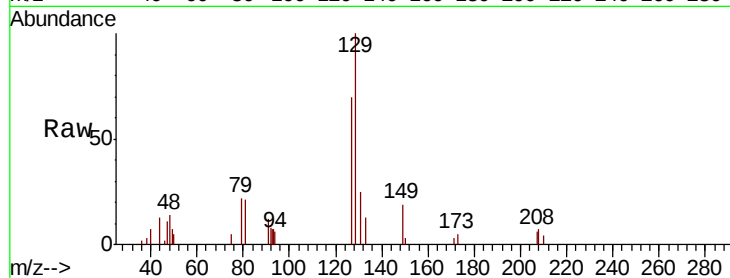
MDL07

Tot Ion:129 Resp: 3789

Ion Ratio Lower Upper

129 100

127 70.2 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

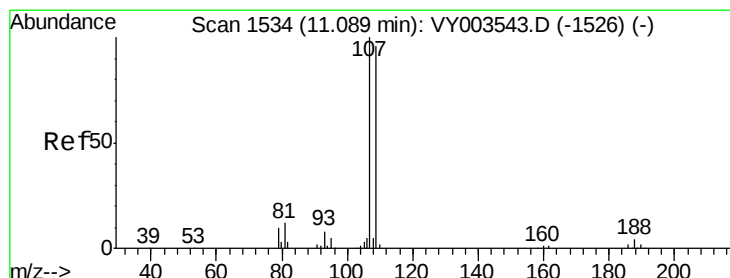
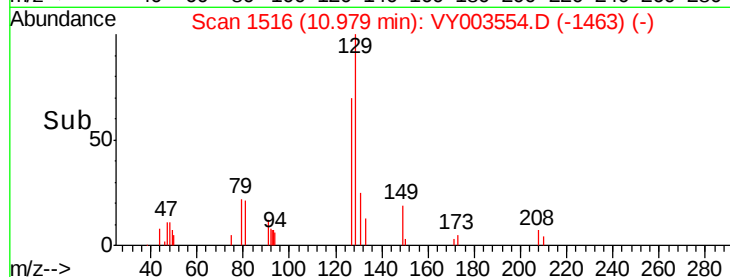
1500

1000

500

0

Time-->



#51

1,2-Dibromoethane

Concen: 1.307 ug/L

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

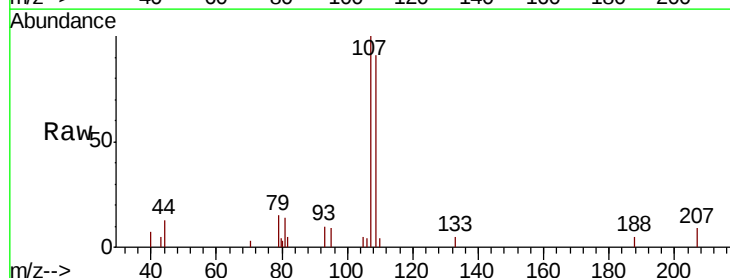
Tgt Ion:107 Resp: 3355

Ion Ratio Lower Upper

107 100

109 91.0 66.8 124.2

188 5.5 3.3 4.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.08

2500

2000

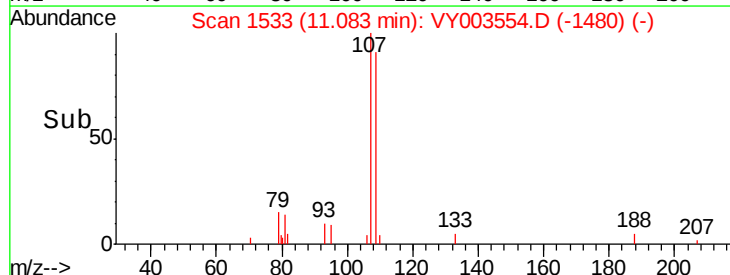
1500

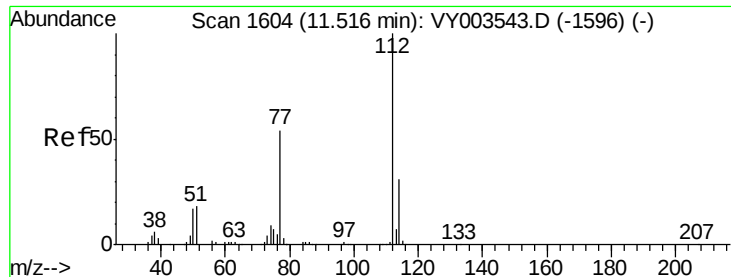
1000

500

0

Time-->





#52

Chlorobenzene

Concen: 1.308 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

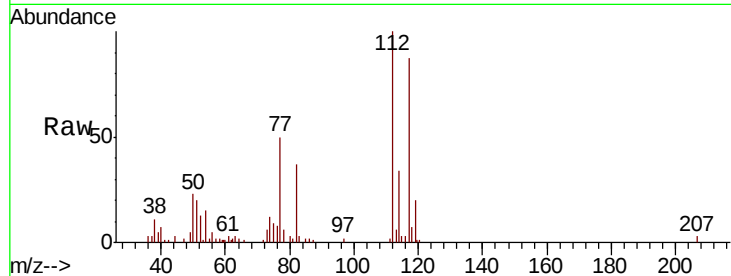
Tot Ion:112 Resp: 11507

Ion Ratio Lower Upper

112 100

77 49.8 43.3 64.9

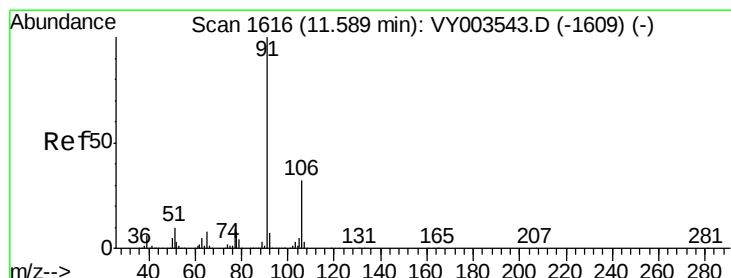
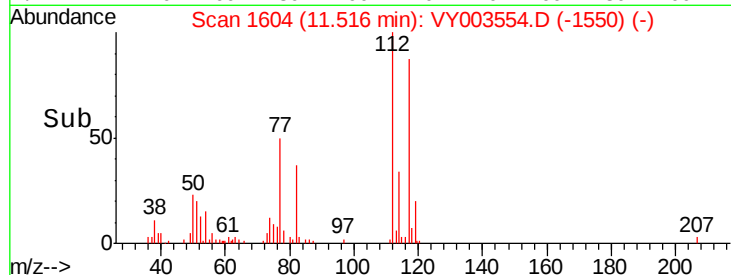
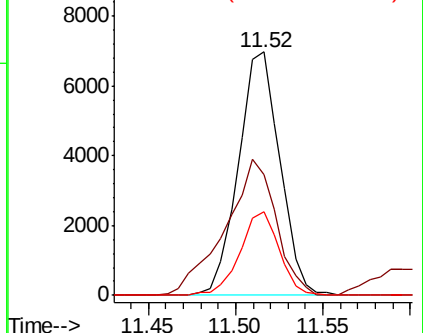
114 34.2 21.9 40.7



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: 1.193 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003554.D

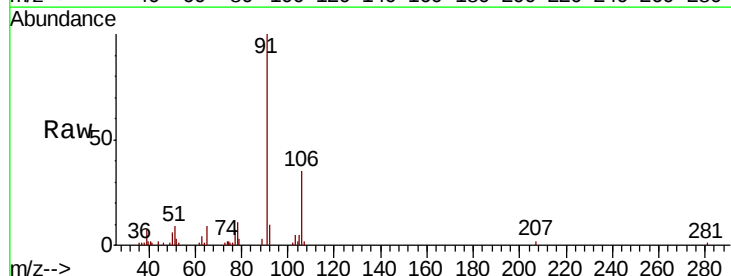
Acq: 19 Nov 2020 17:37

Tgt Ion: 91 Resp: 16875

Ion Ratio Lower Upper

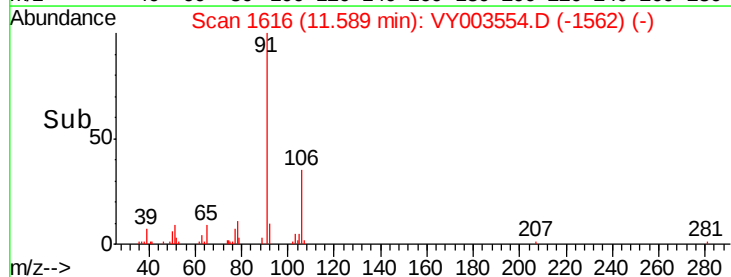
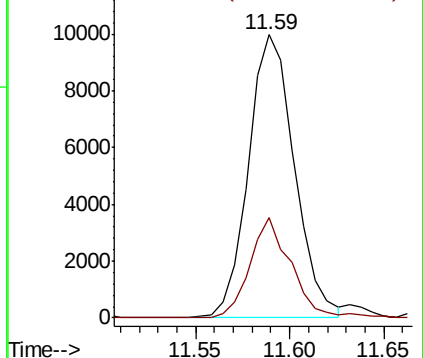
91 100

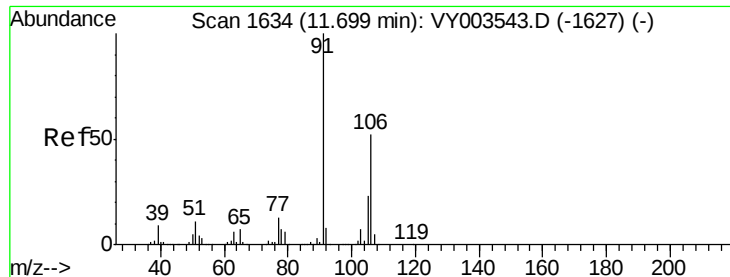
106 35.4 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.242 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

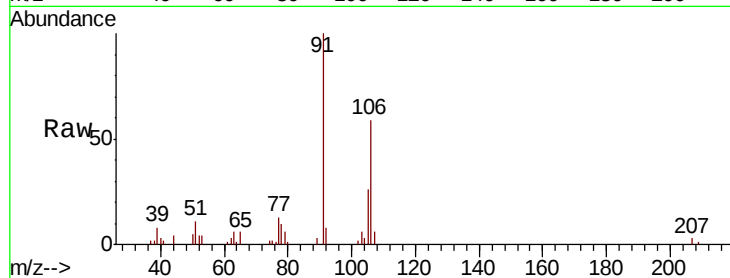
MDL07

Tot Ion:106 Resp: 6764

Ion Ratio Lower Upper

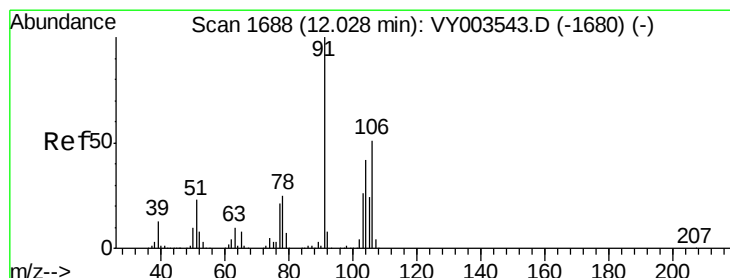
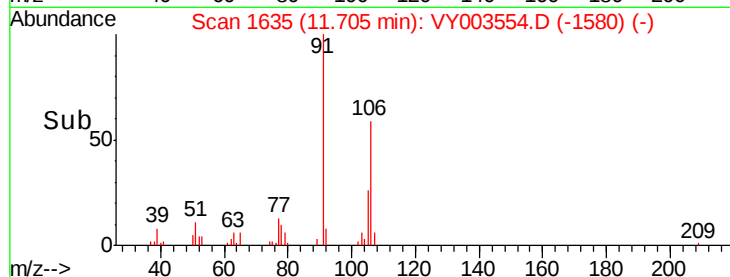
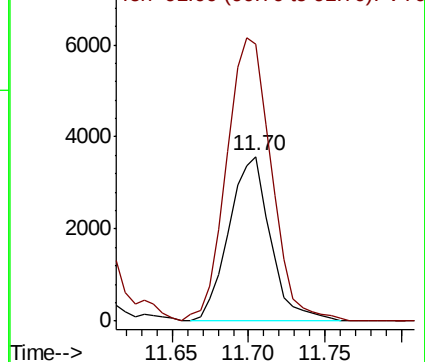
106 100

91 168.1 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 1.125 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003554.D

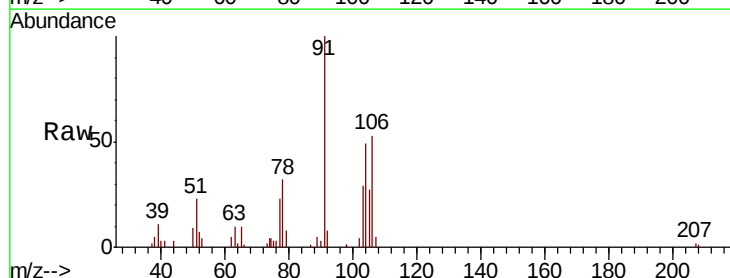
Acq: 19 Nov 2020 17:37

Tgt Ion:106 Resp: 5114

Ion Ratio Lower Upper

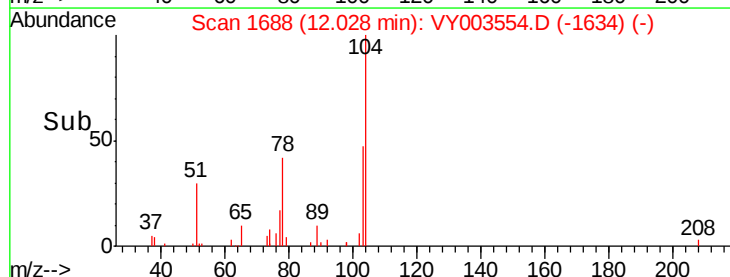
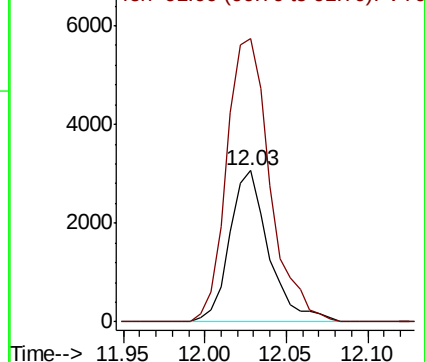
106 100

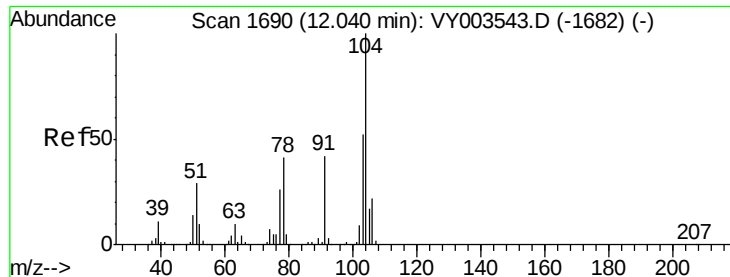
91 187.4 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Stvrene

Concen: 1.154 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

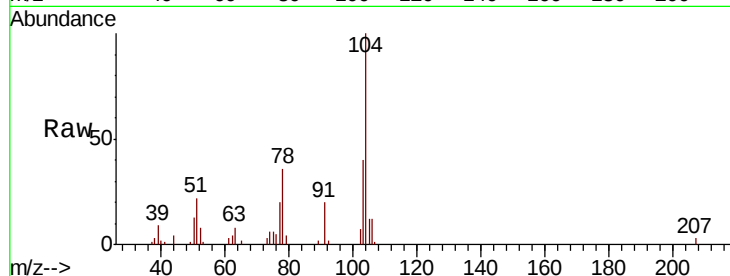
MDL07

Tot Ion:104 Resp: 10277

Ion Ratio Lower Upper

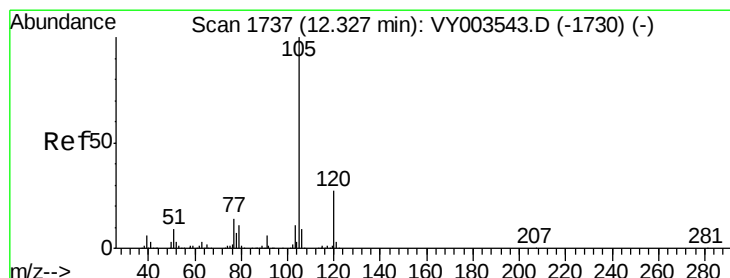
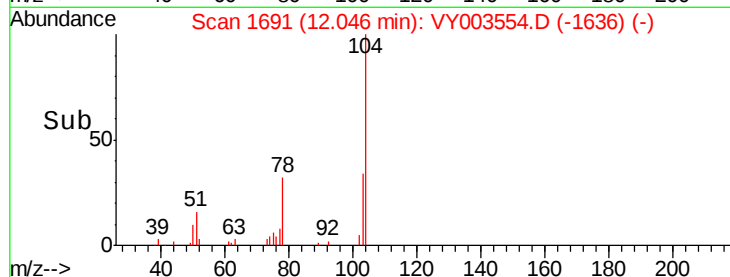
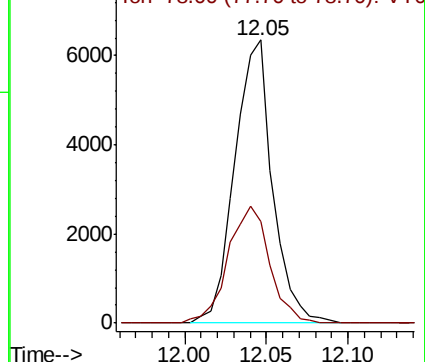
104 100

78 35.9 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: 1.069 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

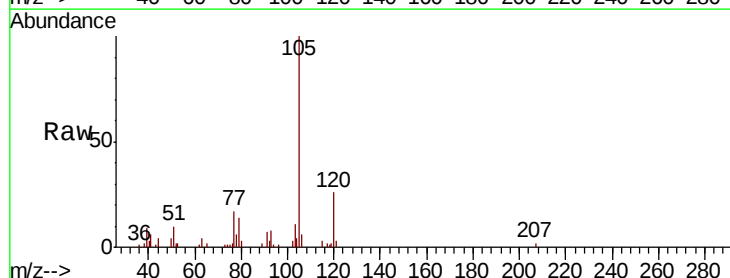
Tgt Ion:105 Resp: 10996

Ion Ratio Lower Upper

105 100

120 28.1 21.7 32.5

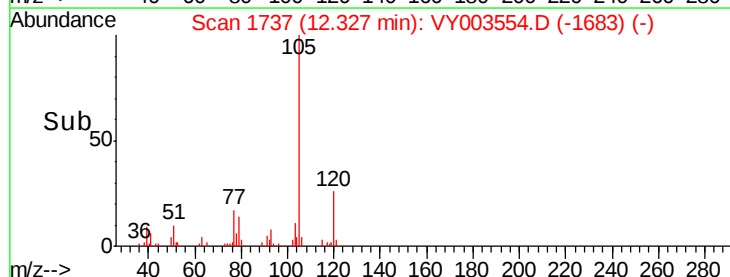
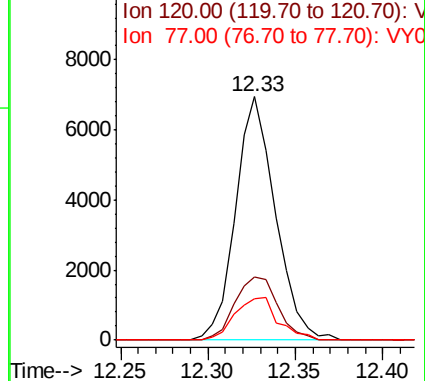
77 18.9 12.1 18.1#

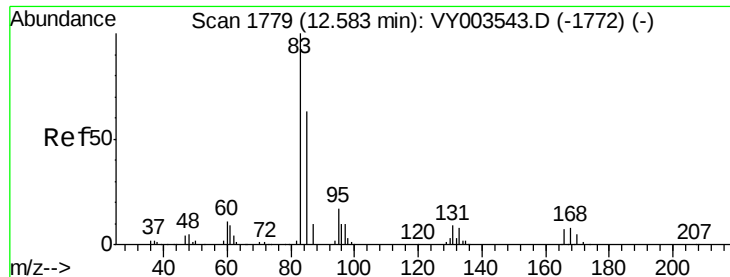


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.321 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

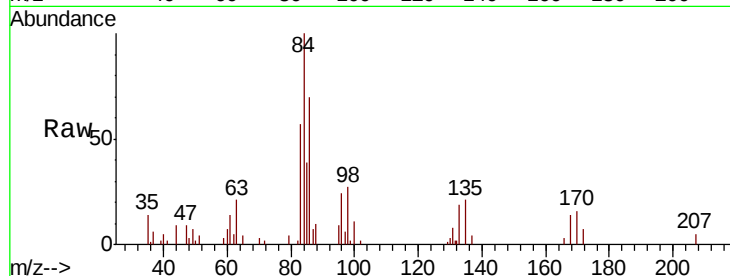
Tot Ion: 83 Resp: 4012

Ion Ratio Lower Upper

83 100

85 67.1 44.8 83.2

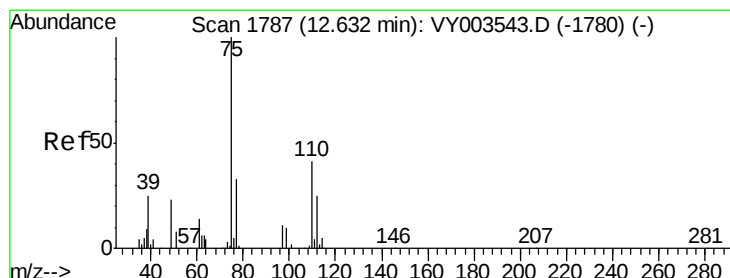
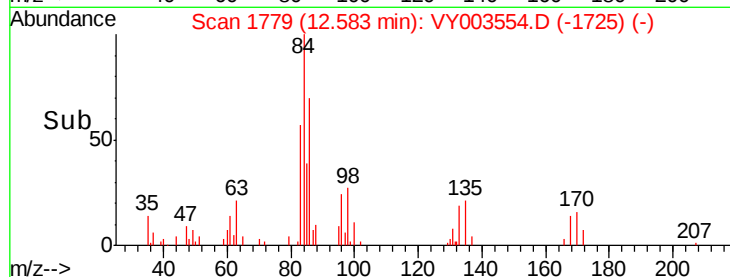
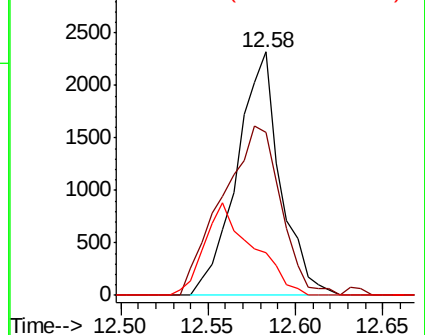
131 17.5 7.3 10.9#



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: 1.252 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003554.D

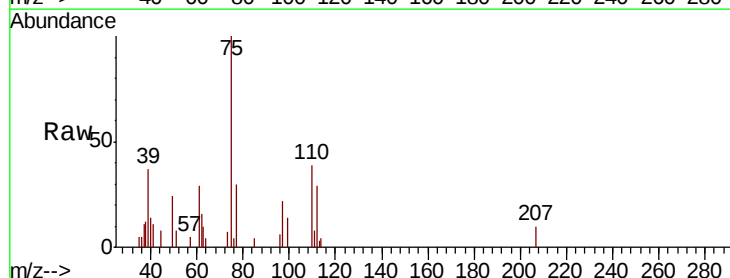
Acq: 19 Nov 2020 17:37

Tgt Ion: 75 Resp: 2961

Ion Ratio Lower Upper

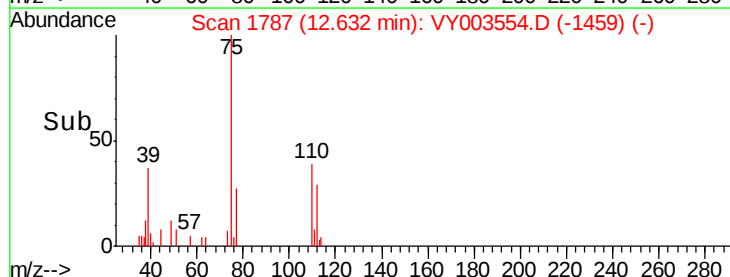
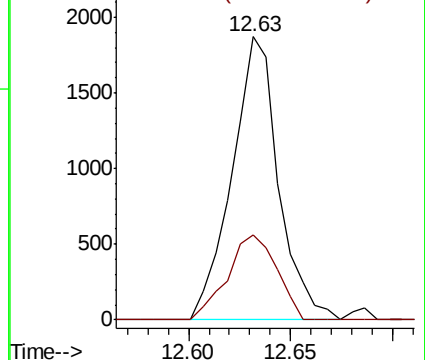
75 100

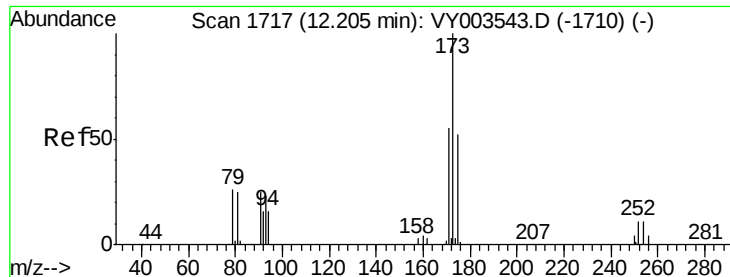
77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#62

Bromoform

Concen: 1.316 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

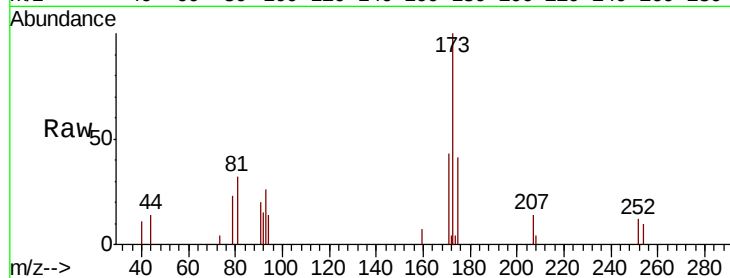
Tot Ion:173 Resp: 2557

Ion Ratio Lower Upper

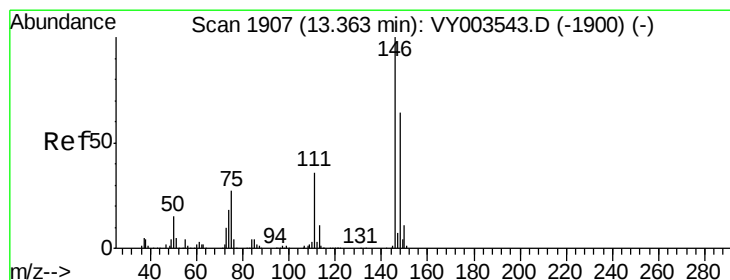
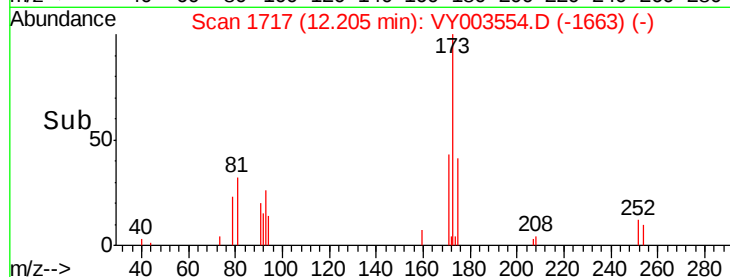
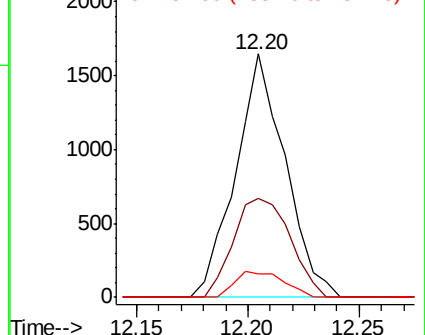
173 100

175 46.3 39.5 59.3

254 10.4 8.6 12.8



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



#63

1,3-Dichlorobenzene

Concen: 1.275 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

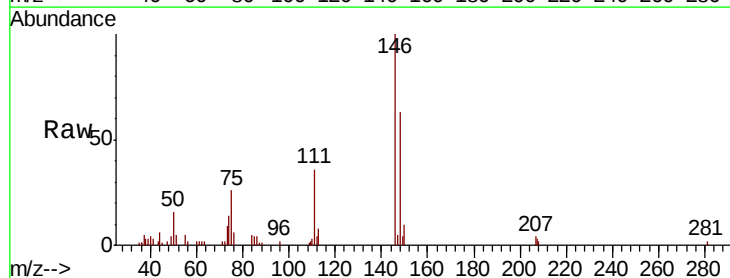
Tgt Ion:146 Resp: 7698

Ion Ratio Lower Upper

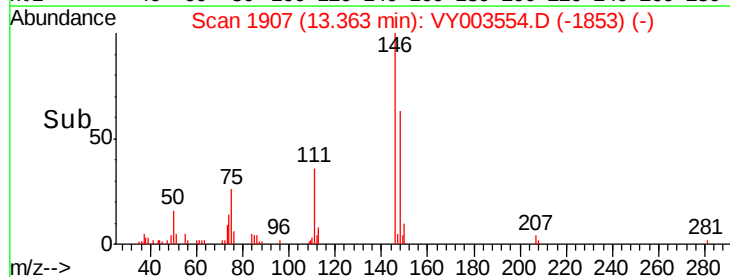
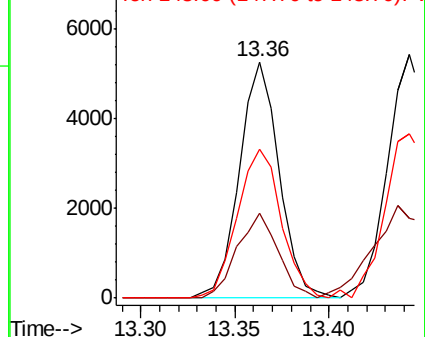
146 100

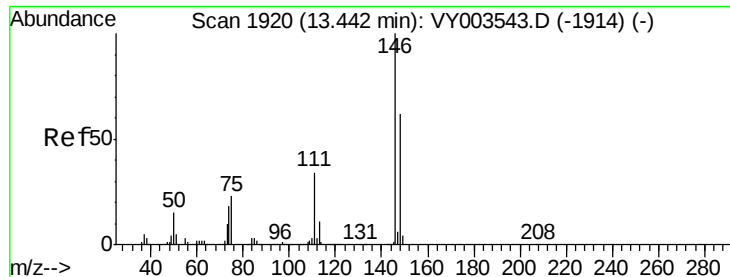
111 36.0 25.1 46.5

148 63.1 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

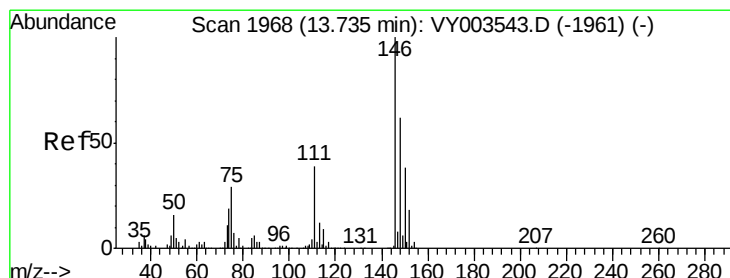
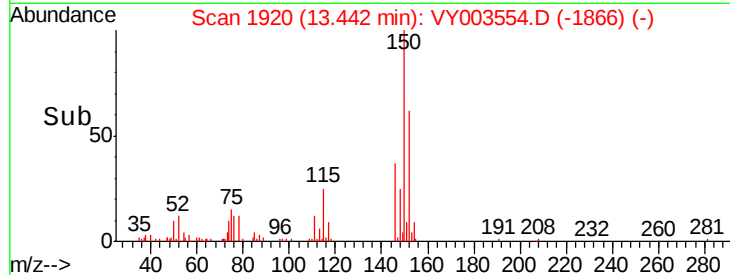
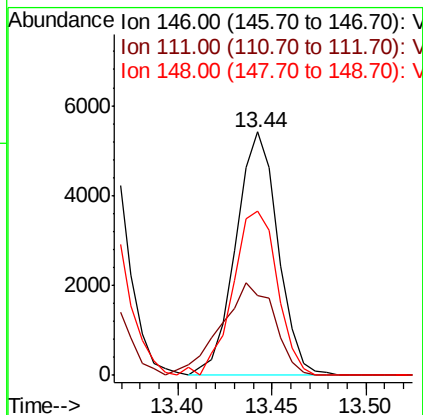
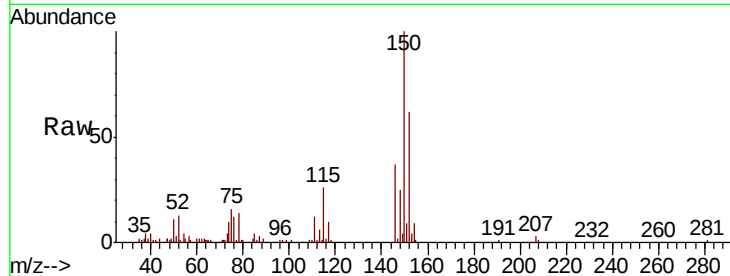




#64
 1,4-Dichlorobenzene
 Concen: 1.353 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003554.D
 Acq: 19 Nov 2020 17:37

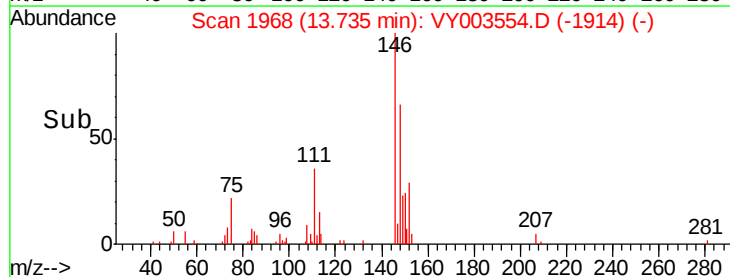
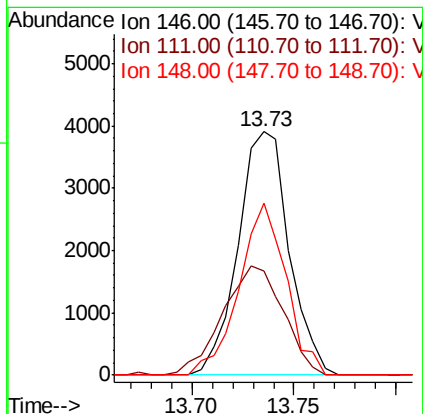
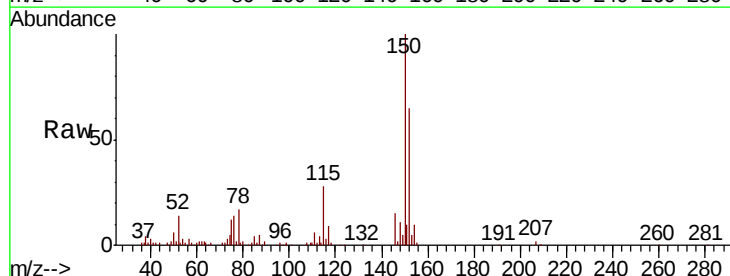
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

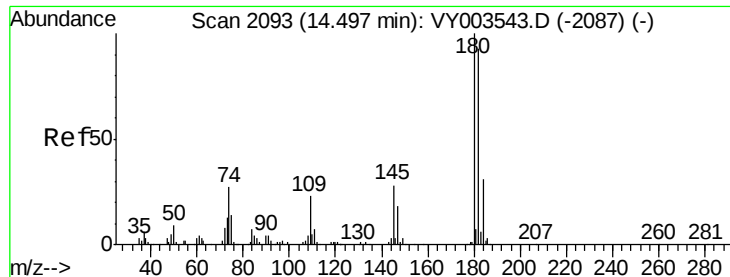
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.0	24.1	44.8
148	67.7	43.6	81.0



#65
 1,2-Dichlorobenzene
 Concen: 1.368 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003554.D
 Acq: 19 Nov 2020 17:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	31.0	46.6
148	70.5	49.8	74.8

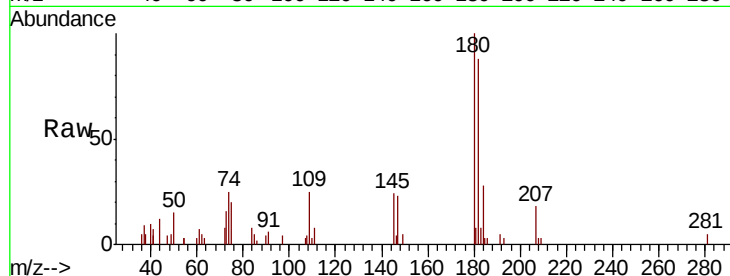




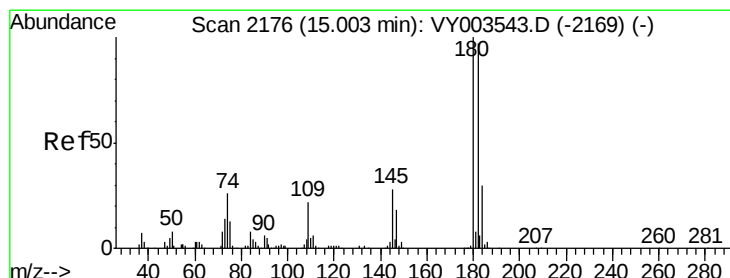
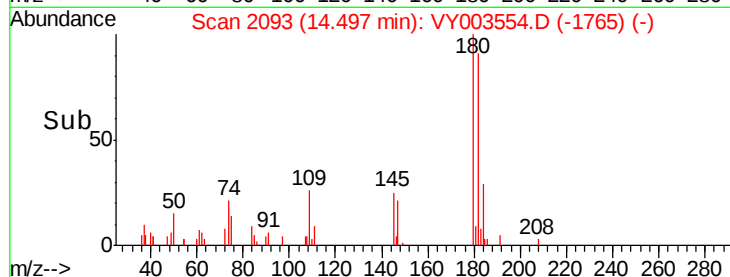
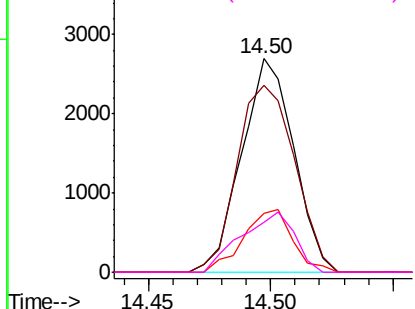
#67
 1,3,5-Trichlorobenzene
 Concen: 1.255 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003554.D
 Acq: 19 Nov 2020 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Tot Ion:180 Resp: 4021
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 184 27.7 24.4 36.6
 145 28.9 22.4 33.6

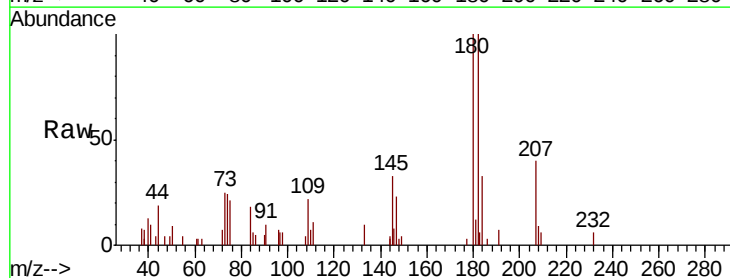


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

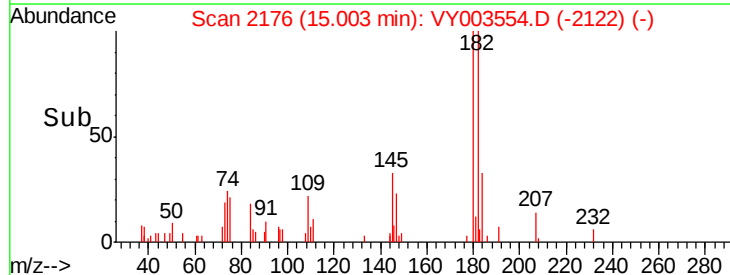
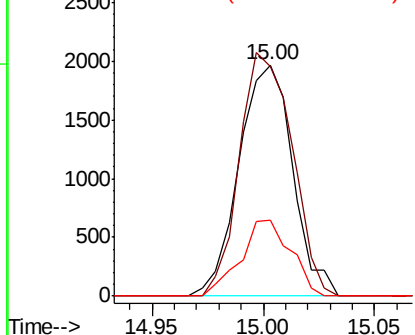


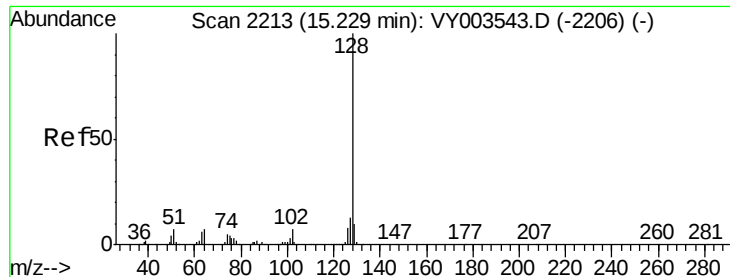
#68
 1,2,4-trichlorobenzene
 Concen: 1.197 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003554.D
 Acq: 19 Nov 2020 17:37

Tgt Ion:180 Resp: 3304
 Ion Ratio Lower Upper
 180 100
 182 103.3 76.5 114.7
 145 30.7 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: 1.141 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

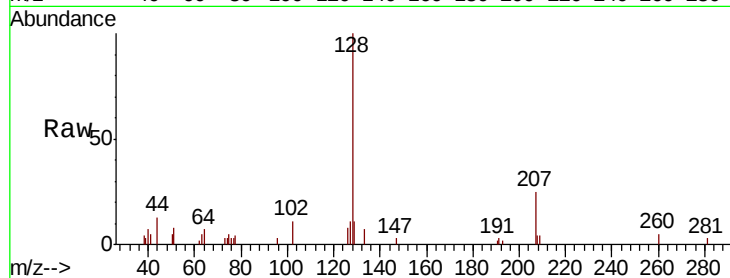
Tot Ion:128 Resp: 5553

Ion Ratio Lower Upper

128 100

129 9.8 8.5 12.7

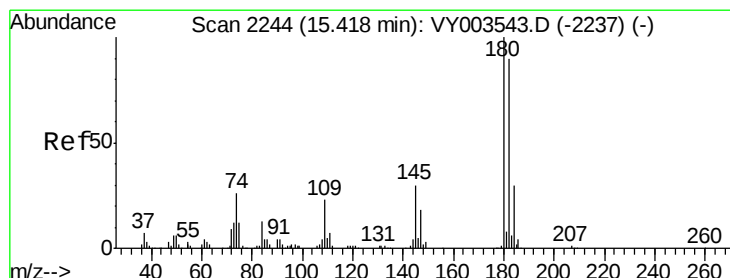
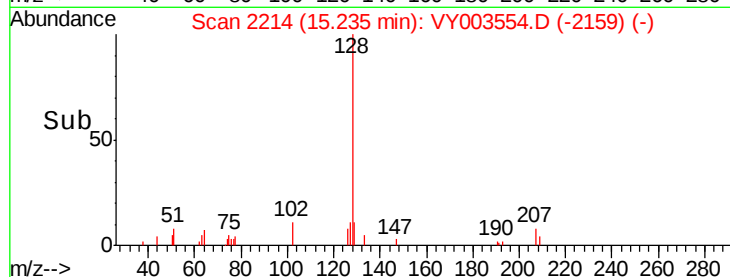
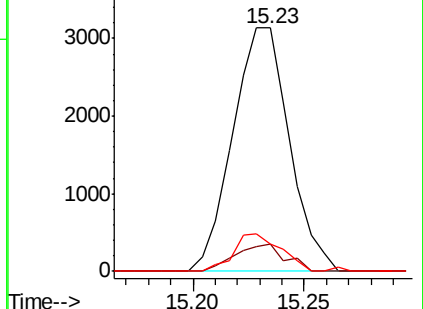
127 12.8 10.2 15.2



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: 1.221 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003554.D

Acq: 19 Nov 2020 17:37

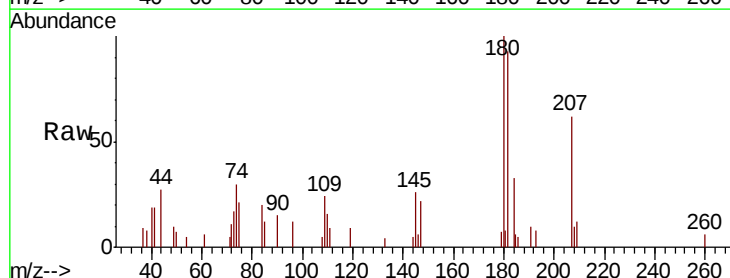
Tgt Ion:180 Resp: 2548

Ion Ratio Lower Upper

180 100

182 87.9 76.5 114.7

145 28.9 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

