

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121920\
 Data File : VY003828.D
 Acq On : 19 Dec 2020 12:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 02:35:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 02:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	252912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	236755	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	125505	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	83652	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.96%
7) Chloroethane-d5	2.77	69	64312	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
10) 1,1-Dichloroethene-d2	3.86	63	156050	21.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.08%
20) 2-Butanone-d5	6.90	46	52053	34.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.22%
24) Chloroform-d	7.49	84	156409	23.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	8.15	65	80384	21.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.56%
29) Benzene-d6	8.12	84	332508	24.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.04%
33) 1,2-Dichloropropane-d6	9.12	67	93925	22.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.04%
37) Toluene-d8	10.18	98	304571	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.24%
38) trans-1,3-Dichloropropene-	10.44	79	45359	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.24%
39) 2-Hexanone-d5	10.79	63	45073	38.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	80995	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	113010	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	100348	23.249	ug/L	100
3) Chloromethane	2.12	50	97308	24.679	ug/L	98
5) Vinyl chloride	2.26	62	102458	25.866	ug/L	98
6) Bromomethane	2.66	94	61243	25.289	ug/L	100
8) Chloroethane	2.80	64	58611	25.323	ug/L	97
9) Trichlorofluoromethane	3.14	101	140350	23.192	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	84868	23.079	ug/L	96
12) 1,1-Dichloroethene	3.89	96	86093	24.629	ug/L #	75
13) Acetone	3.96	43	33127	31.944	ug/L	95
14) Carbon disulfide	4.20	76	294810	23.969	ug/L	98
15) Methyl Acetate	4.49	43	42685	15.803	ug/L	93
16) Methylene chloride	4.73	84	94659	20.848	ug/L	93
17) Methyl tert-butyl Ether	5.23	73	209606	21.372	ug/L	98
18) trans-1,2-Dichloroethene	5.23	96	93161	24.602	ug/L	92
19) 1,1-Dichloroethane	6.03	63	146731	22.406	ug/L	98
21) 2-Butanone	7.00	43	55754	30.930	ug/L	91
22) cis-1,2-Dichloroethene	7.00	96	97081	24.177	ug/L	89

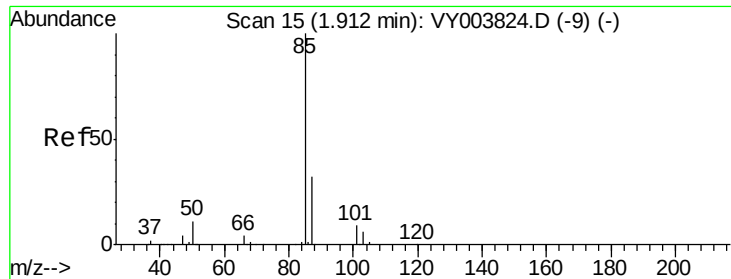
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121920\
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 02:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	45751	23.702	ug/L	88
25) Chloroform	7.51	83	150818	23.419	ug/L	100
27) 1,2-Dichloroethane	8.25	62	96532	21.628	ug/L	98
30) Cyclohexane	7.79	56	141313	21.745	ug/L	91
31) 1,1,1-Trichloroethane	7.72	97	136742	23.619	ug/L	99
32) Carbon tetrachloride	7.90	117	126175	24.681	ug/L	99
34) Benzene	8.17	78	367792	24.416	ug/L	100
35) Trichloroethene	8.94	95	95154	23.534	ug/L	96
36) Methylcyclohexane	9.18	83	161112	23.523	ug/L	96
40) 1,2-Dichloropropane	9.22	63	87282	22.355	ug/L	99
41) Bromodichloromethane	9.50	83	111318	22.773	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	141265	22.770	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	124697	32.938	ug/L #	94
44) Toluene	10.25	91	399774	24.985	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	126130	22.218	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	71219	22.524	ug/L	95
47) Tetrachloroethene	10.72	164	80546	25.053	ug/L	97
49) 2-Hexanone	10.83	43	89899	34.603	ug/L	94
50) Dibromochloromethane	10.98	129	86454	23.340	ug/L	99
51) 1,2-Dibromoethane	11.09	107	68069	21.729	ug/L	95
52) Chlorobenzene	11.51	112	254732	24.874	ug/L	95
53) Ethylbenzene	11.59	91	429758	24.582	ug/L	99
54) m,p-Xylene	11.70	106	171725	25.465	ug/L	95
55) o-xylene	12.03	106	160223	25.320	ug/L	98
56) Styrene	12.04	104	275662	25.516	ug/L	94
57) Isopropylbenzene	12.33	105	424336	25.112	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	77085	20.867	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	61135	19.617	ug/L	98
62) Bromoform	12.21	173	55383	21.432	ug/L	98
63) 1,3-Dichlorobenzene	13.37	146	204696	25.225	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	202080	24.501	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	182044	24.310	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	12924	17.554	ug/L	87
67) 1,3,5-Trichlorobenzene	14.50	180	139068	24.615	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	115863	24.044	ug/L	100
69) Naphthalene	15.23	128	236648	21.523	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	100829	23.006	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.249 ug/L

RT: 1.91 min Scan# 15

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

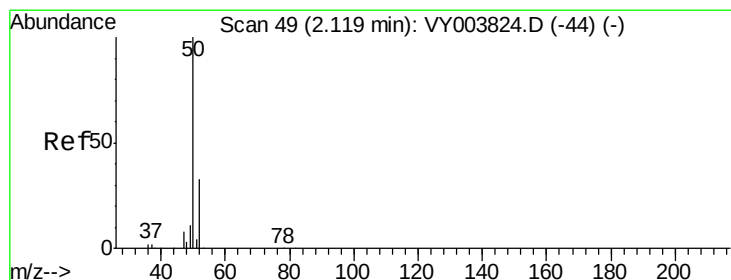
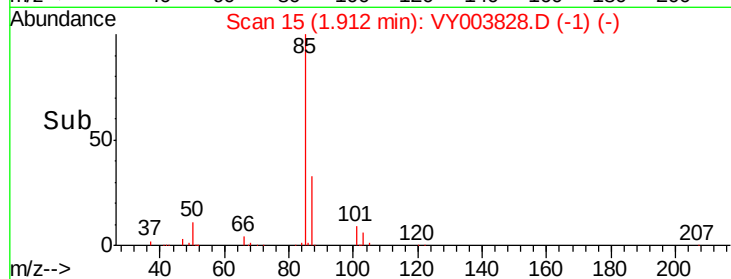
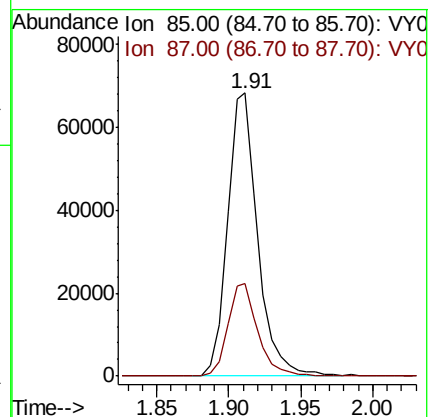
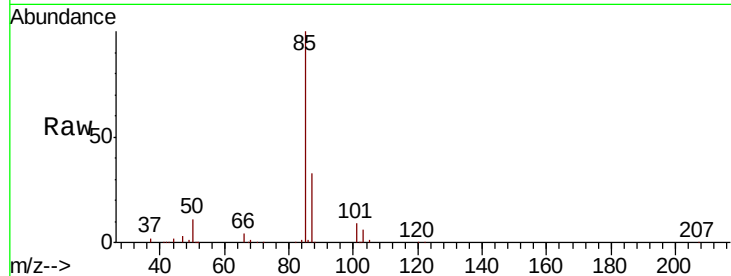
ClientSampleId :

Tot Ion: 85 Resp: 100348

Ion Ratio Lower Upper

85 100

87 32.5 22.7 42.3



#3

Chloromethane

Concen: 24.679 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003828.D

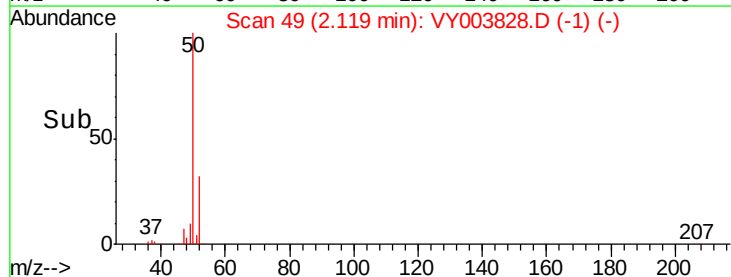
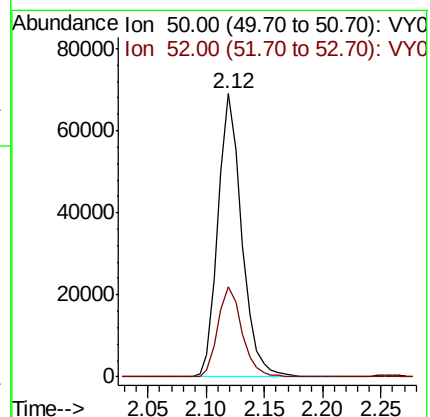
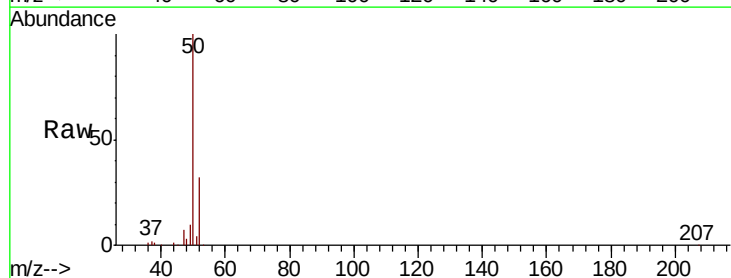
Acq: 19 Dec 2020 12:59

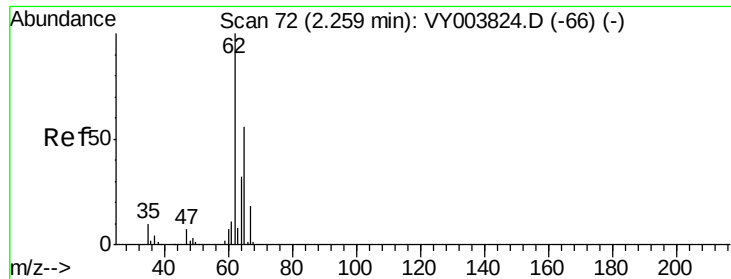
Tgt Ion: 50 Resp: 97308

Ion Ratio Lower Upper

50 100

52 31.7 22.8 42.4





#5

Vinyl chloride

Concen: 25.866 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

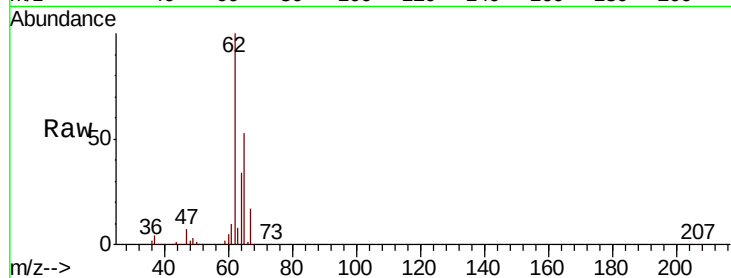
ClientSampleId :

Tot Ion: 62 Resp: 102458

Ion Ratio Lower Upper

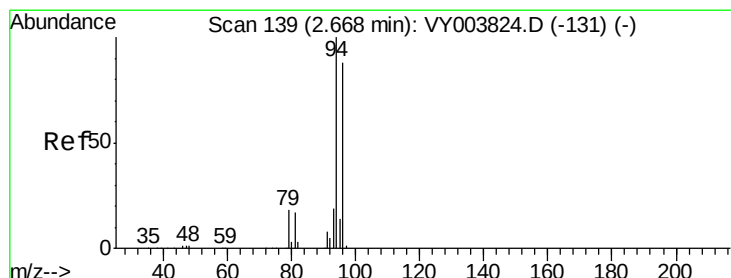
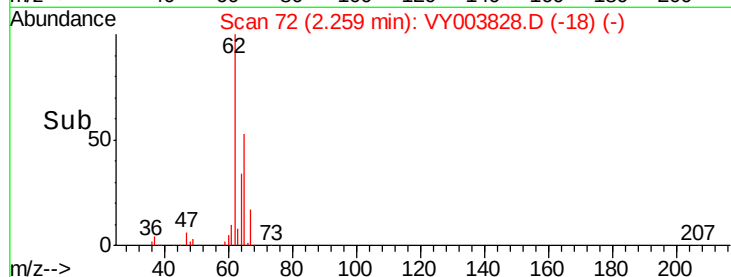
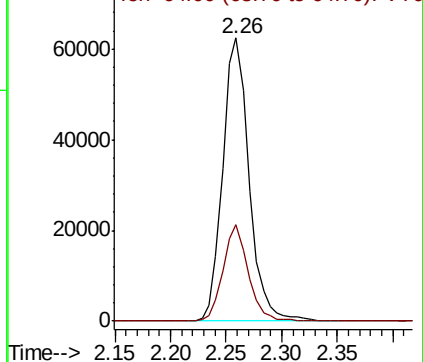
62 100

64 34.3 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.289 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.01 min

Lab File: VY003828.D

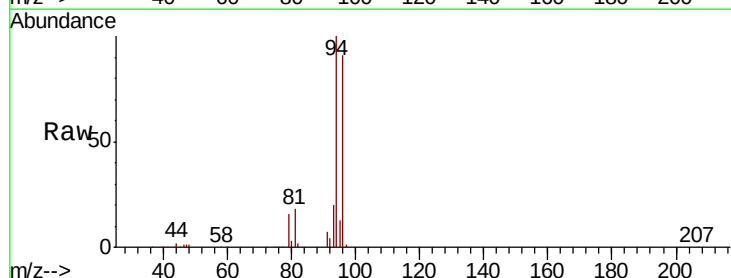
Acq: 19 Dec 2020 12:59

Tgt Ion: 94 Resp: 61243

Ion Ratio Lower Upper

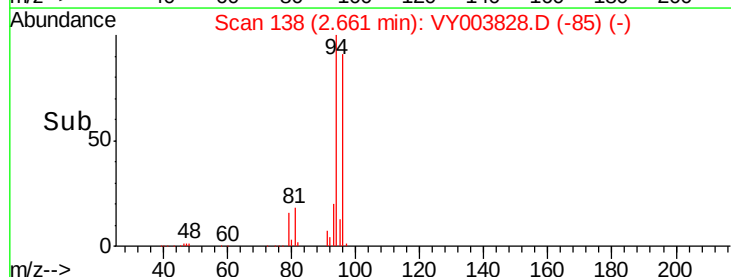
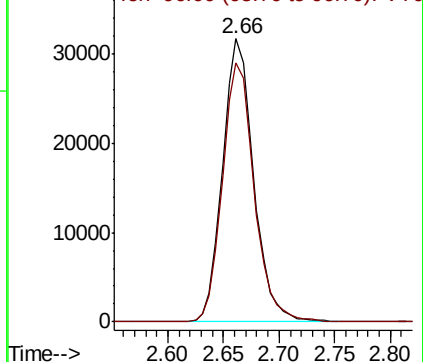
94 100

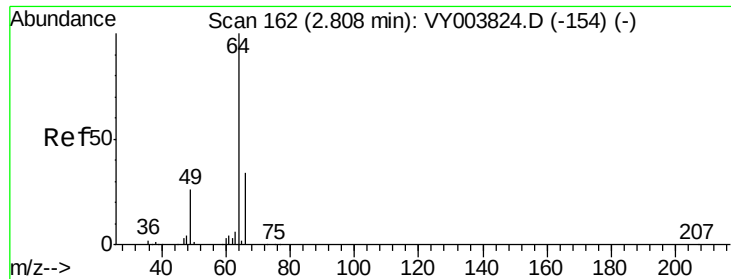
96 93.7 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

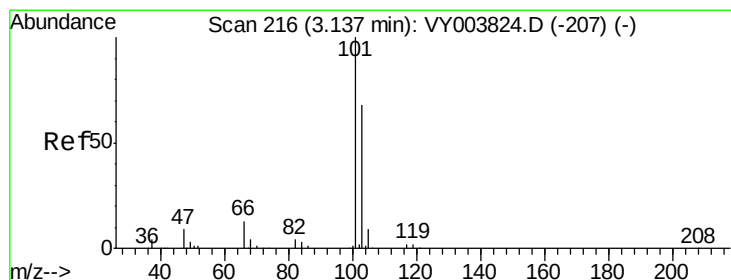
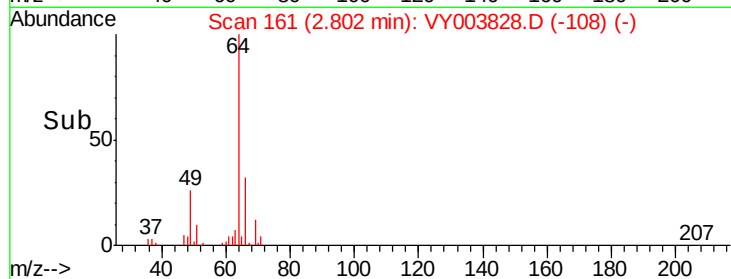
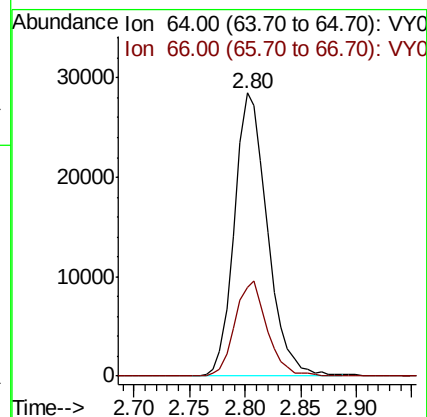
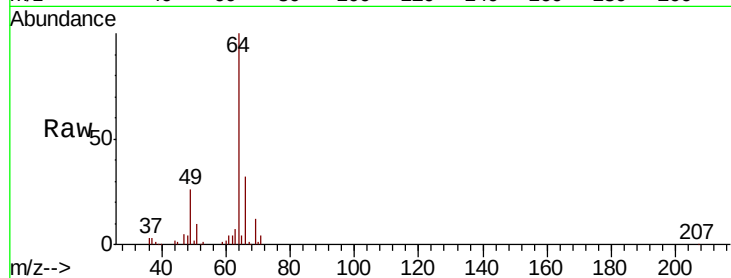




#8
Chloroethane
Concen: 25.323 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

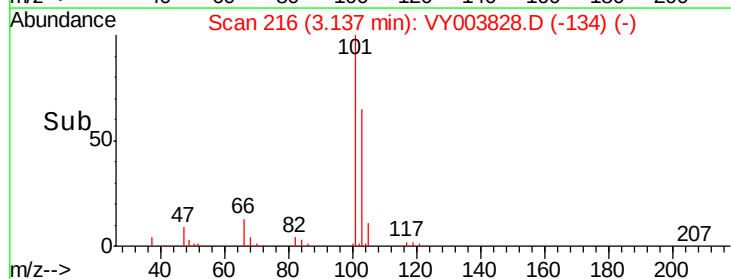
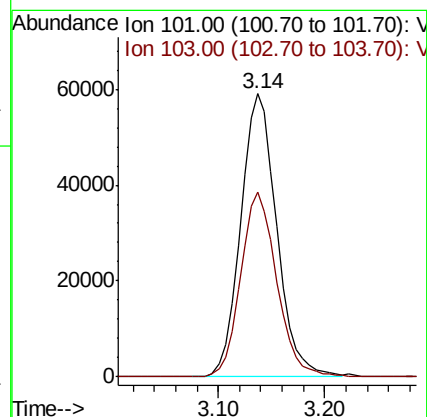
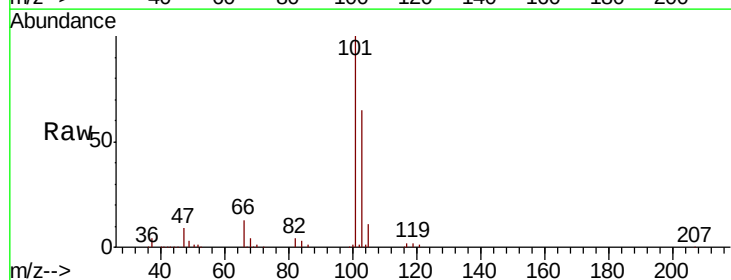
Instrument :
MSVOA_Y
ClientSampleId :

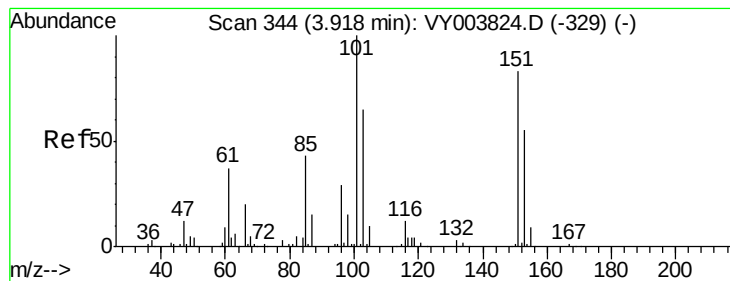
Tot Ion: 64 Resp: 58611
Ion Ratio Lower Upper
64 100
66 31.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 23.192 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.00 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion:101 Resp: 140350
Ion Ratio Lower Upper
101 100
103 65.4 45.3 84.1





#11

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

Concen: 23.079 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

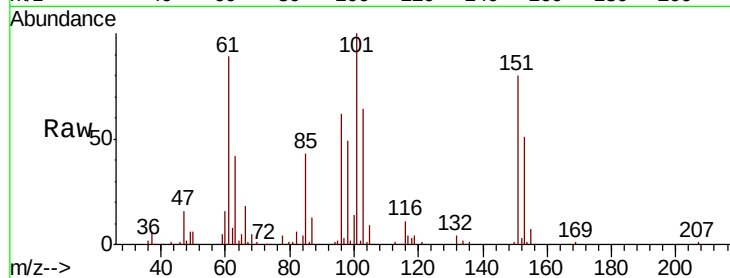
Tot Ion:101 Resp: 84868

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.6

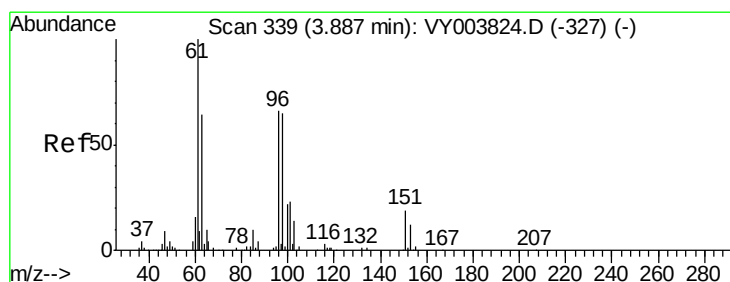
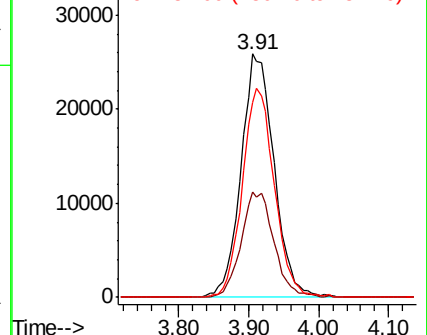
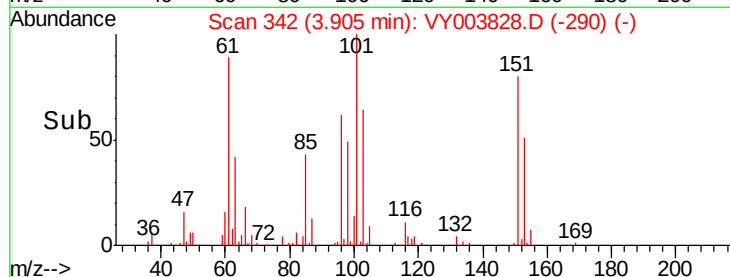
151 83.1 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003828.D (-290) (-)

Ion 85.00 (84.70 to 85.70): VY003828.D (-290) (-)

Ion 151.00 (150.70 to 151.70): VY003828.D (-290) (-)



#12

1,1-Dichloroethene

Concen: 24.629 ug/L

RT: 3.89 min Scan# 339

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

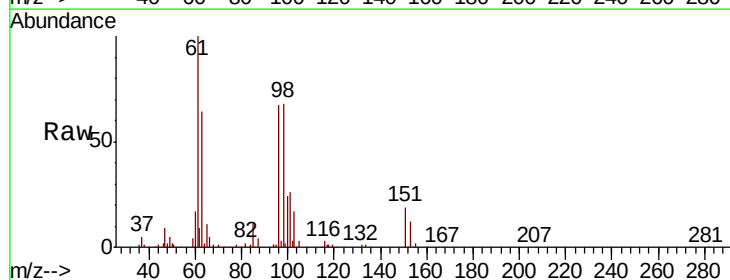
Tgt Ion: 96 Resp: 86093

Ion Ratio Lower Upper

96 100

61 148.7 117.3 217.9

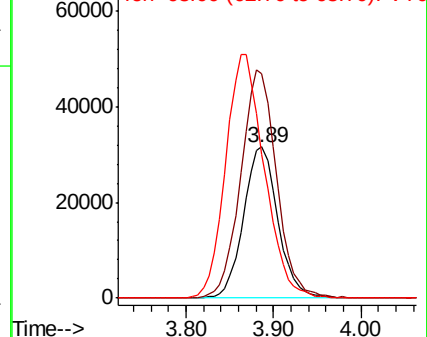
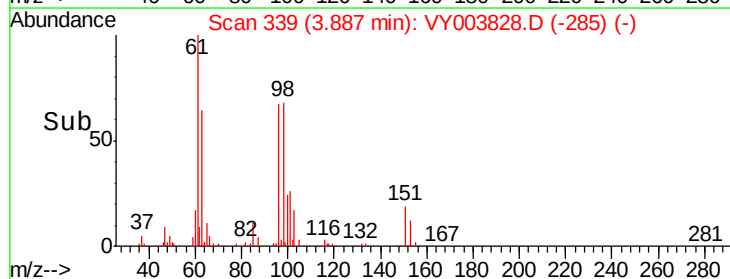
63 95.5 99.5 184.7#

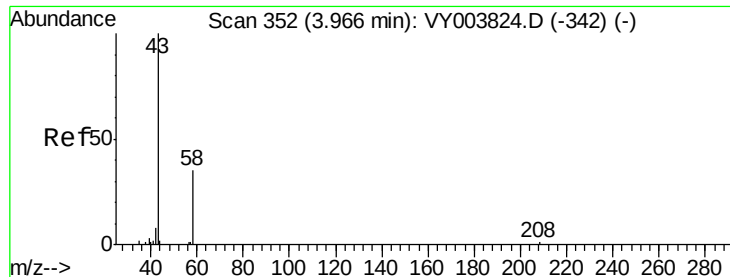


Abundance Ion 96.00 (95.70 to 96.70): VY003828.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003828.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003828.D (-285) (-)





#13

Acetone

Concen: 31.944 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

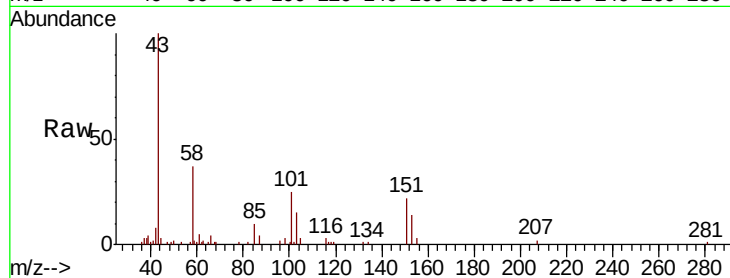
ClientSampled :

Tot Ion: 43 Resp: 33127

Ion Ratio Lower Upper

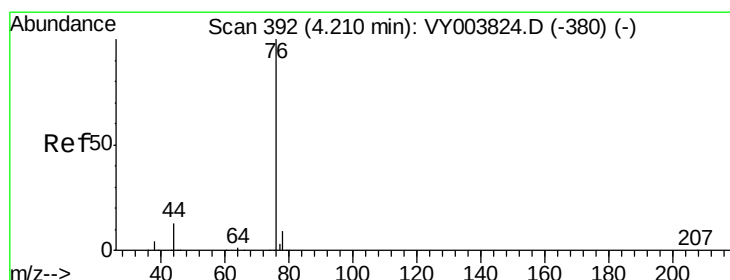
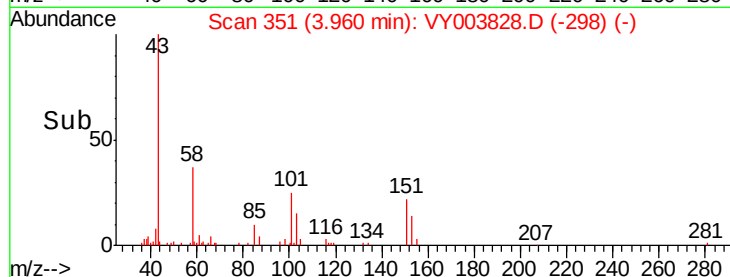
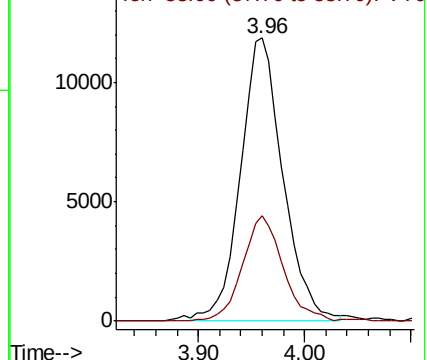
43 100

58 35.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 23.969 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003828.D

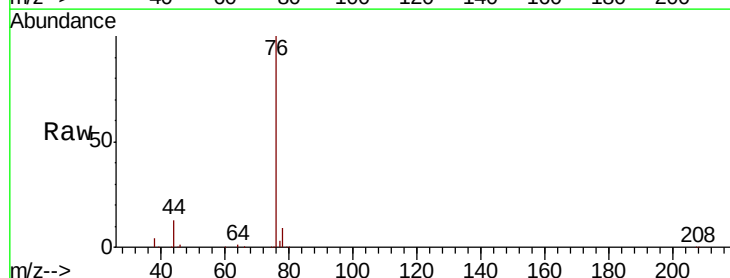
Acq: 19 Dec 2020 12:59

Tgt Ion: 76 Resp: 294810

Ion Ratio Lower Upper

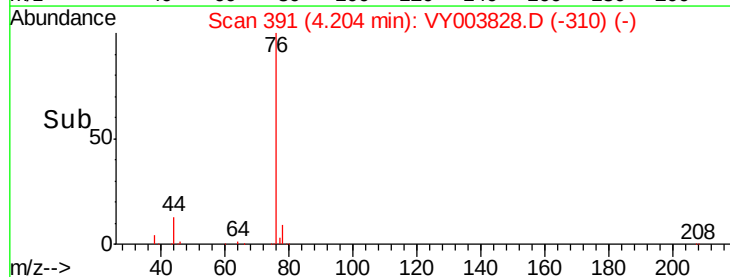
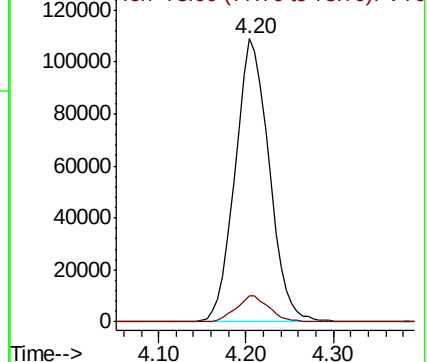
76 100

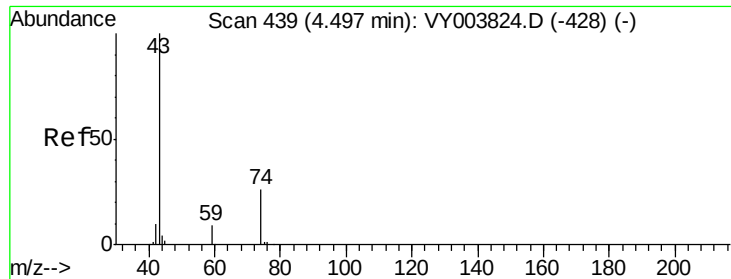
78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

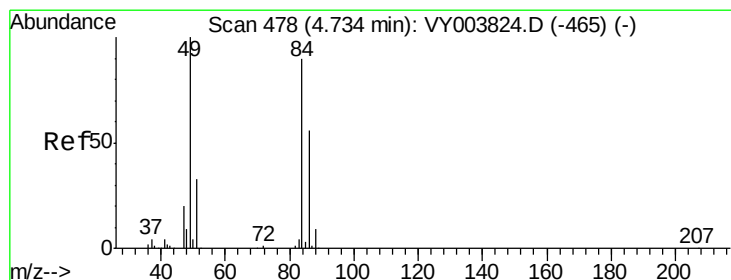
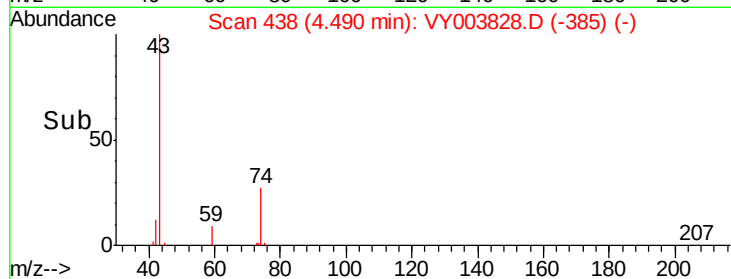
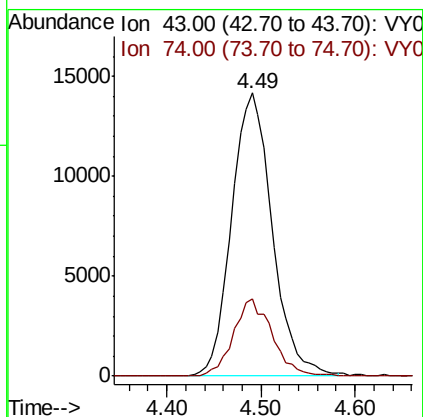
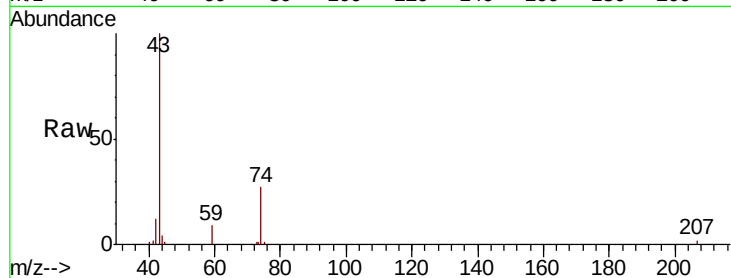




#15
Methyl Acetate
Concen: 15.803 ug/L
RT: 4.49 min Scan# 438
Delta R.T. -0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

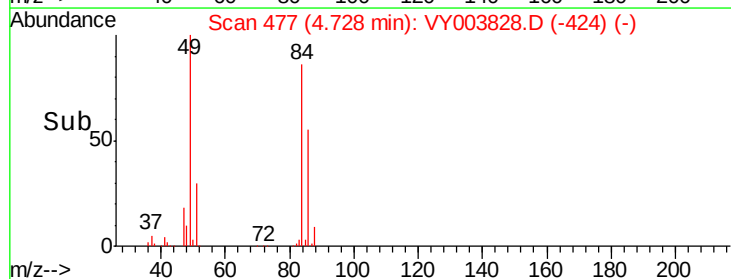
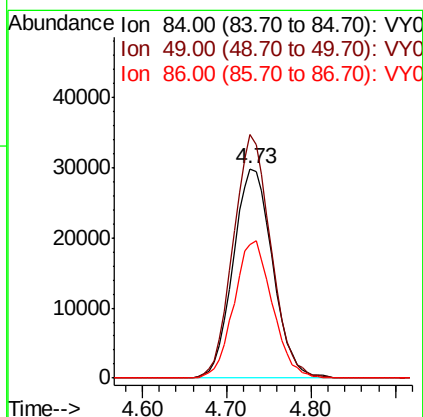
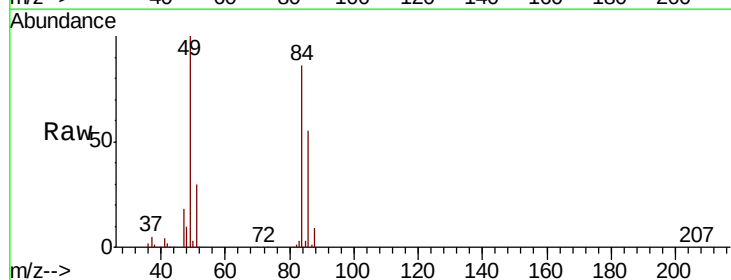
Instrument :
MSVOA_Y
ClientSampleId :

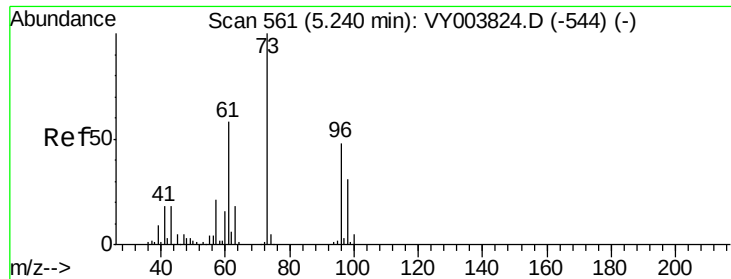
Tot Ion: 43 Resp: 42685
Ion Ratio Lower Upper
43 100
74 25.7 17.7 26.5



#16
Methylene chloride
Concen: 20.848 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion: 84 Resp: 94659
Ion Ratio Lower Upper
84 100
49 116.2 88.2 163.8
86 63.5 43.0 79.8

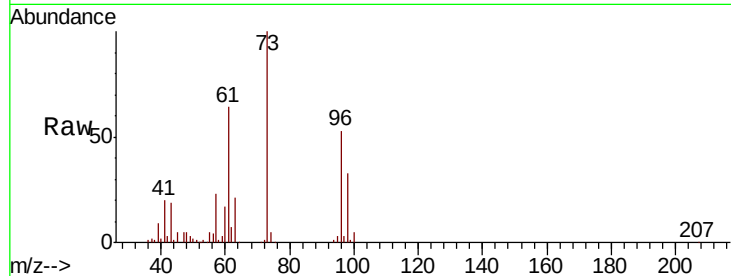




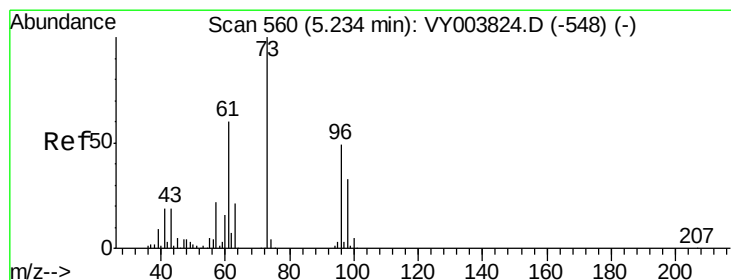
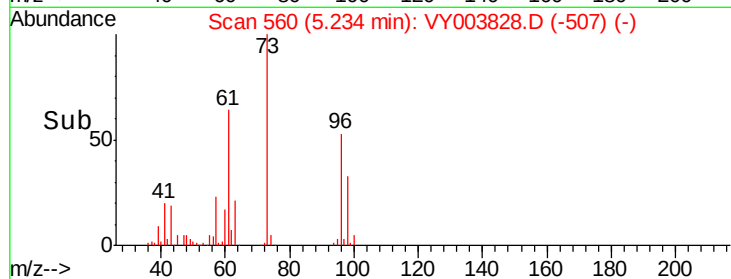
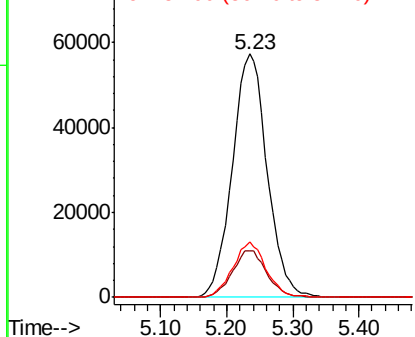
#17
Methyl tert-butyl Ether
Concen: 21.372 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 73 Resp: 209606
Ion Ratio Lower Upper
73 100
43 18.9 15.5 23.3
57 21.5 18.6 27.8

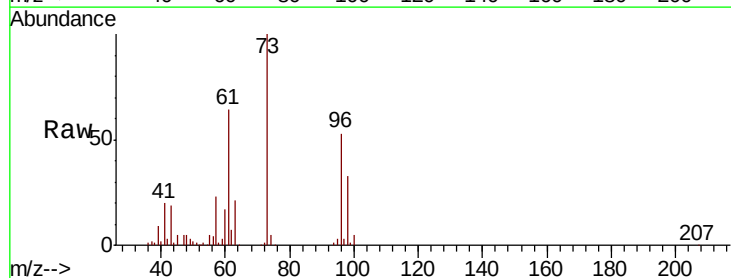


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

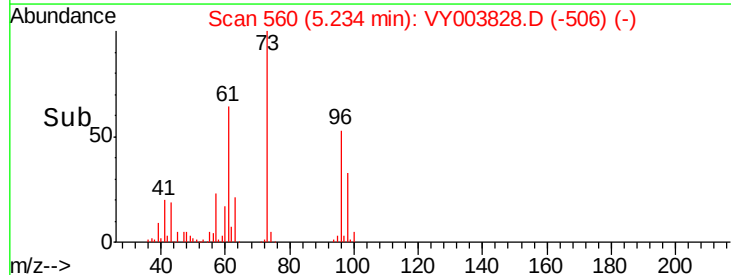
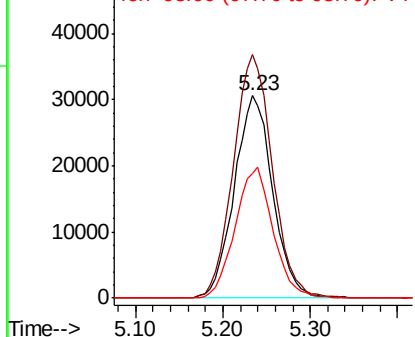


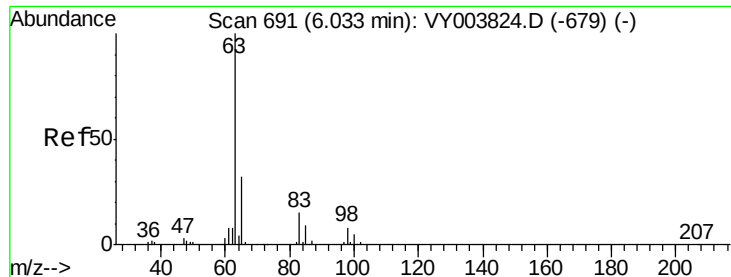
#18
trans-1,2-Dichloroethene
Concen: 24.602 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion: 96 Resp: 93161
Ion Ratio Lower Upper
96 100
61 120.2 93.9 174.5
98 61.5 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

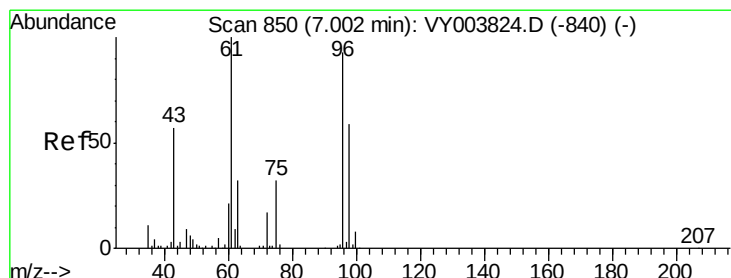
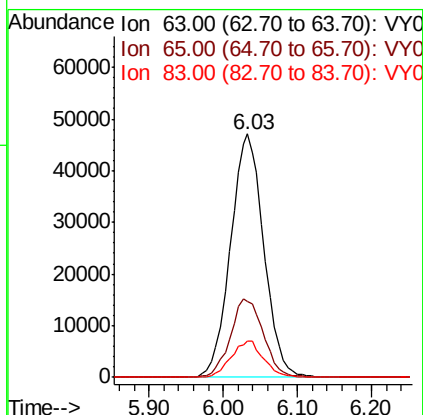
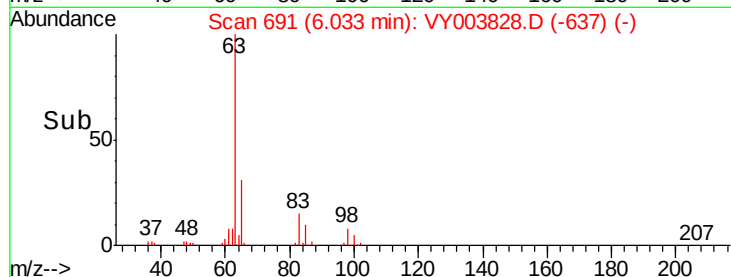
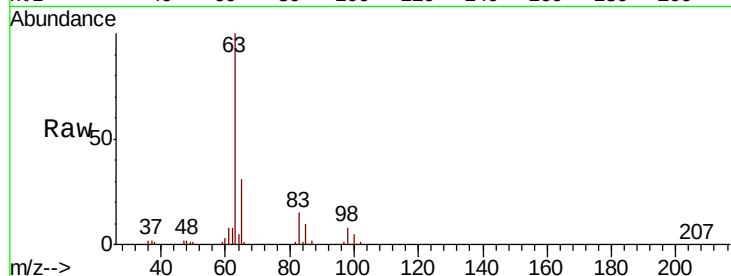




#19
 1,1-Dichloroethane
 Concen: 22.406 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

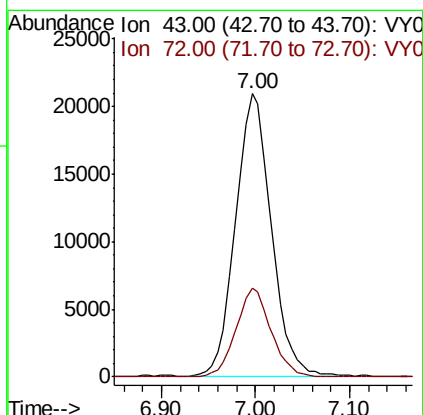
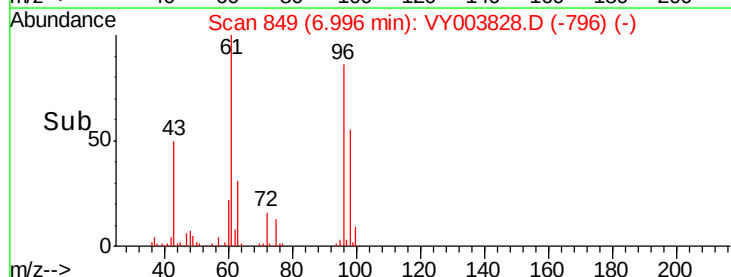
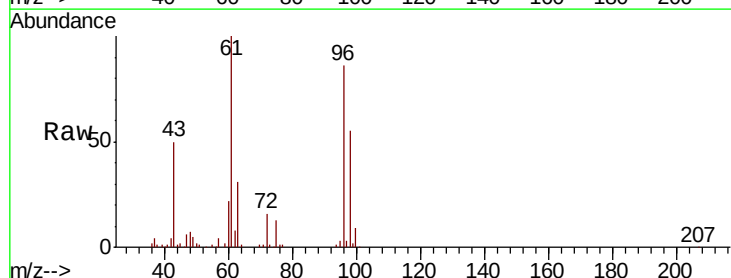
Instrument :
 MSVOA_Y
 ClientSampled :

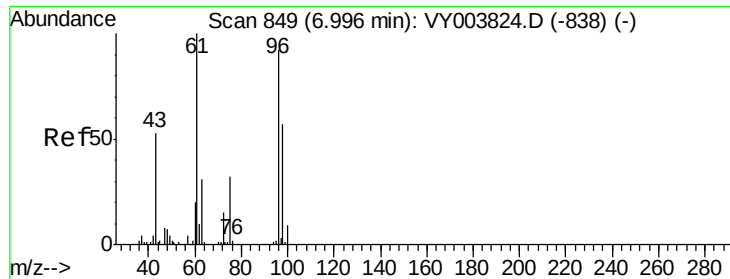
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.3	41.3
83	15.0	9.4	17.6



#21
 2-Butanone
 Concen: 30.930 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.4	13.0	39.0



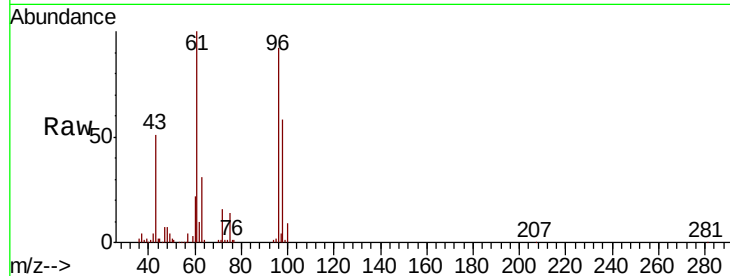


#22

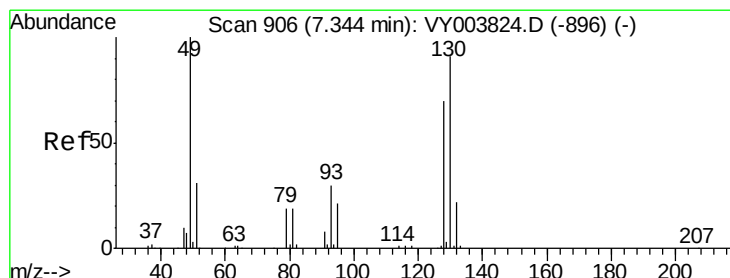
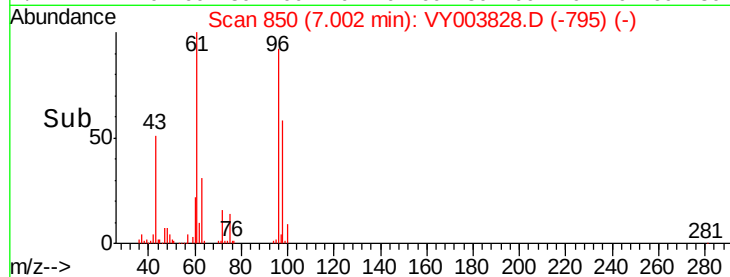
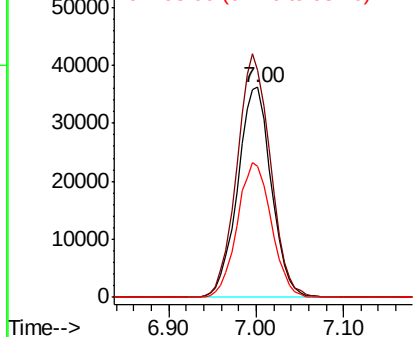
cis-1,2-Dichloroethene
Concen: 24.177 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 97081
Ion Ratio Lower Upper
96 100
61 108.2 88.0 163.4
98 62.6 45.4 84.4



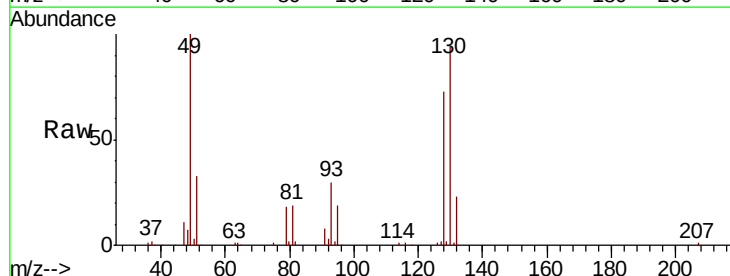
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



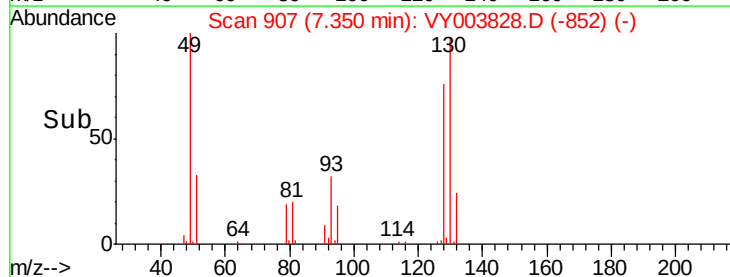
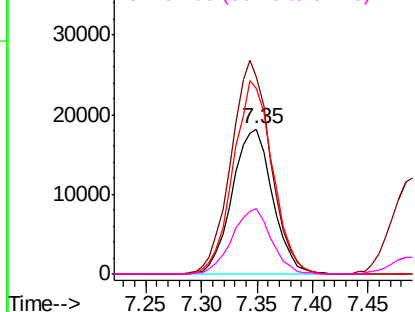
#23

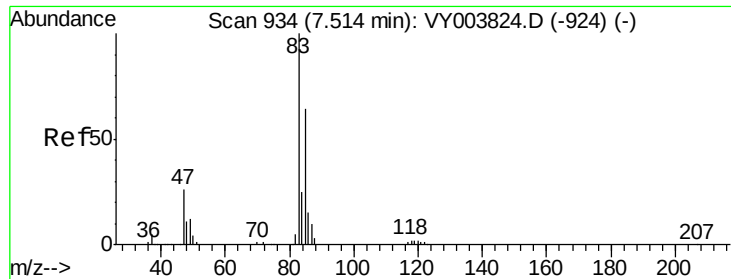
Bromochloromethane
Concen: 23.702 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion:128 Resp: 45751
Ion Ratio Lower Upper
128 100
49 136.7 115.1 213.8
130 128.1 88.9 165.1
51 44.8 41.6 62.4



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: 23.419 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

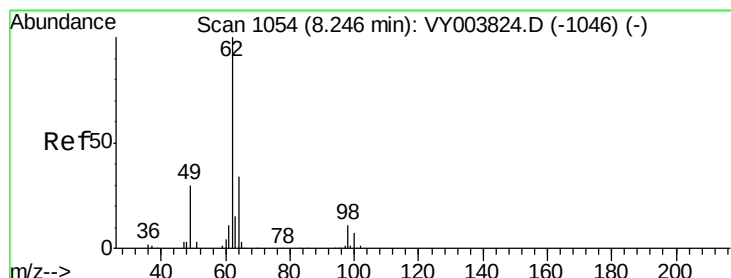
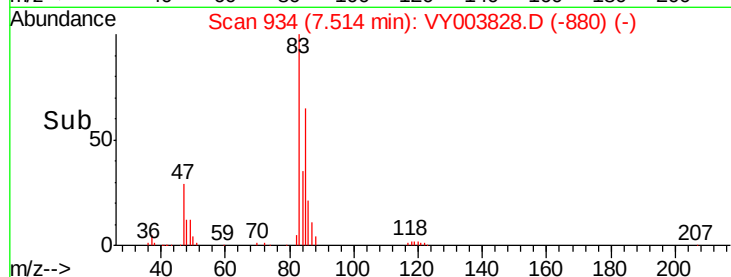
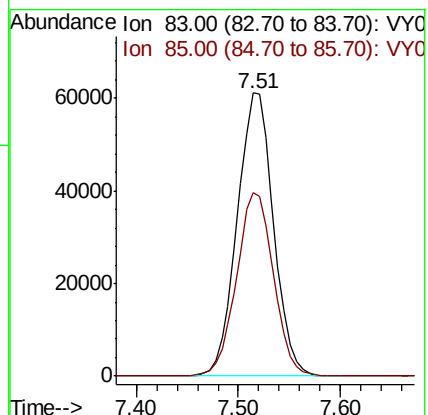
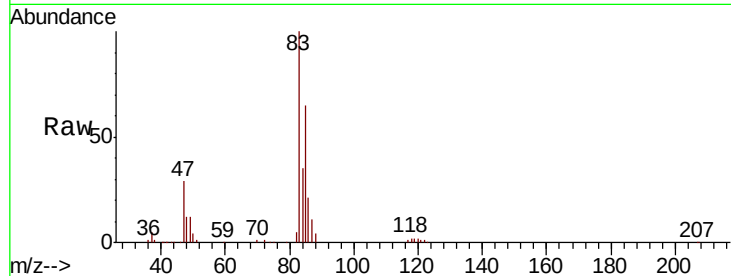
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 150818

Ion Ratio Lower Upper

83 100

85 66.3 46.5 86.3



#27

1,2-Dichloroethane

Concen: 21.628 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003828.D

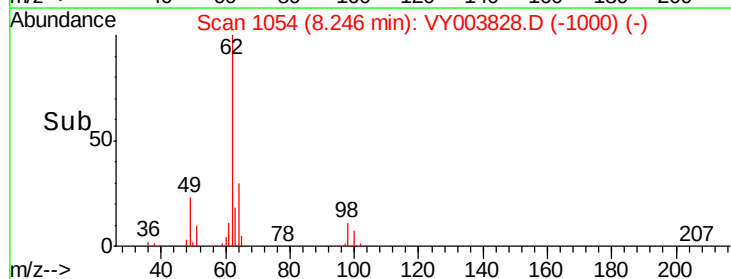
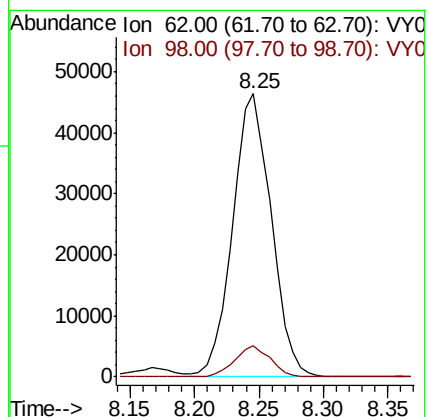
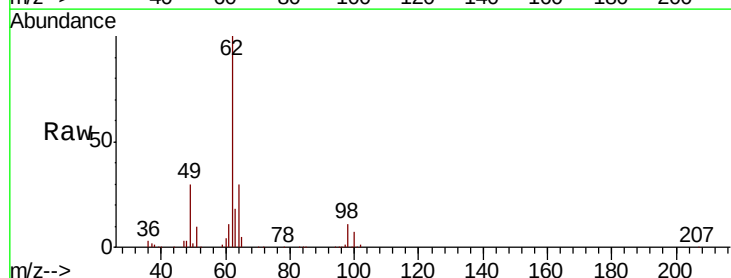
Acq: 19 Dec 2020 12:59

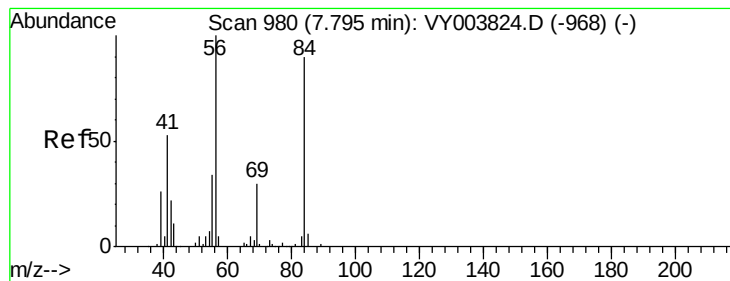
Tgt Ion: 62 Resp: 96532

Ion Ratio Lower Upper

62 100

98 11.1 8.3 12.5





#30

Cyclohexane

Concen: 21.745 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

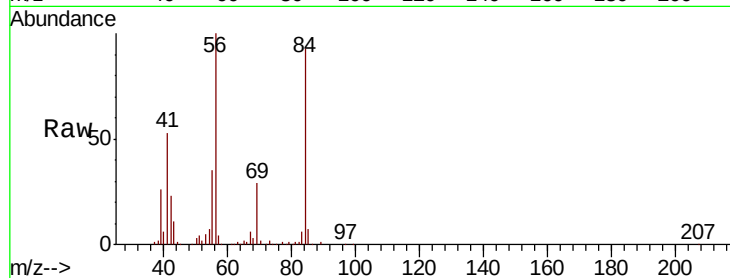
Tot Ion: 56 Resp: 141313

Ion Ratio Lower Upper

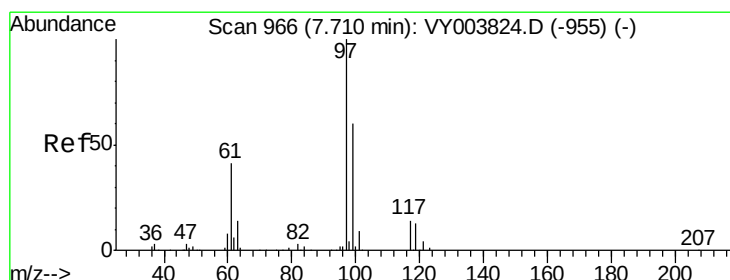
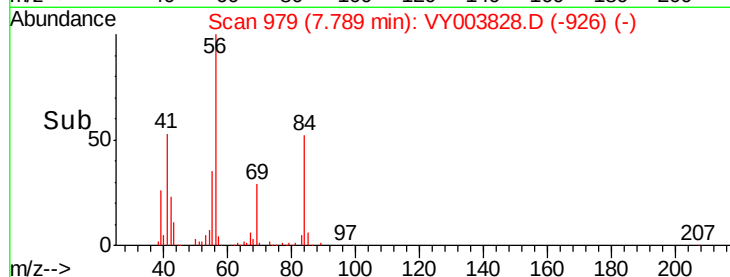
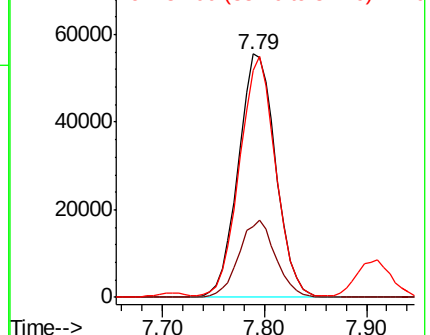
56 100

69 31.1 23.4 35.0

84 95.6 68.6 103.0



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: 23.619 ug/L

RT: 7.72 min Scan# 967

Delta R.T. 0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

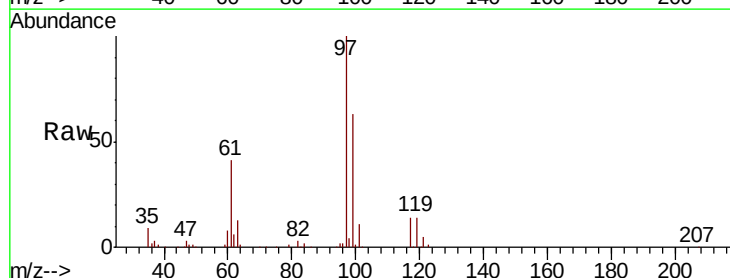
Tgt Ion: 97 Resp: 136742

Ion Ratio Lower Upper

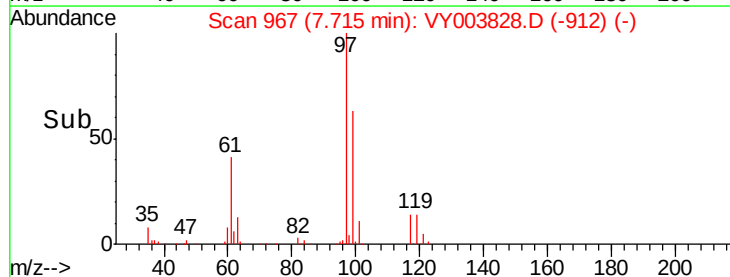
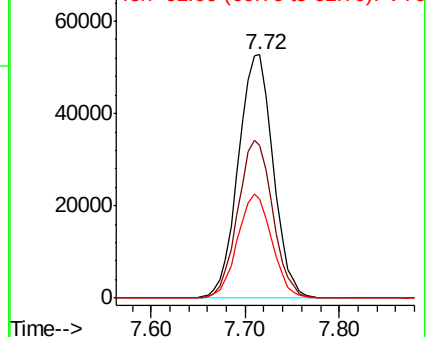
97 100

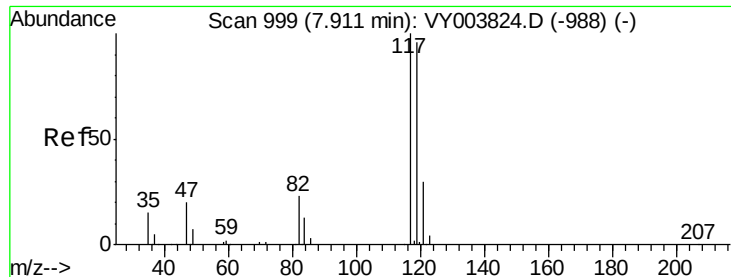
99 64.7 50.8 76.2

61 42.0 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 24.681 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

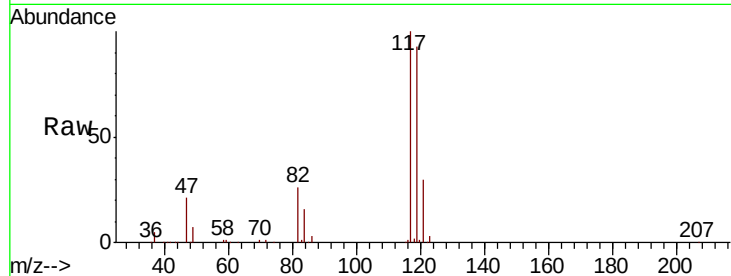
ClientSampled :

Tot Ion:117 Resp: 126175

Ion Ratio Lower Upper

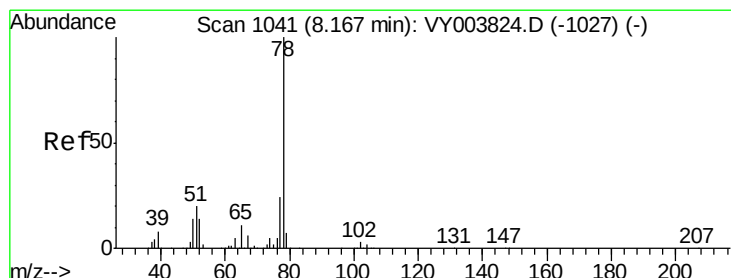
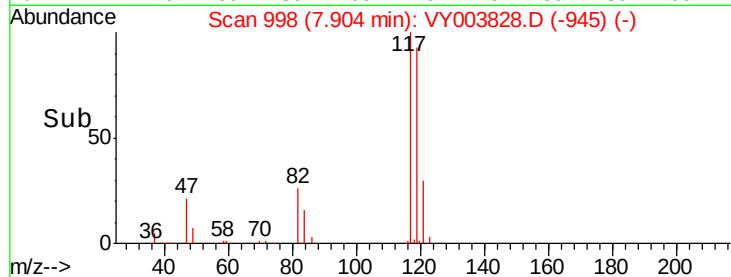
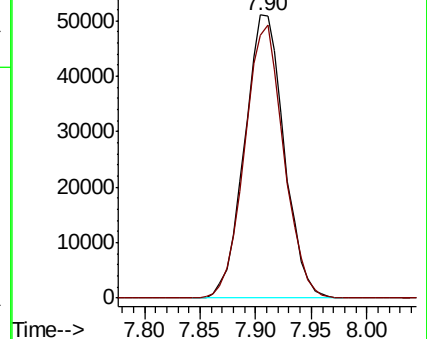
117 100

119 95.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.416 ug/L

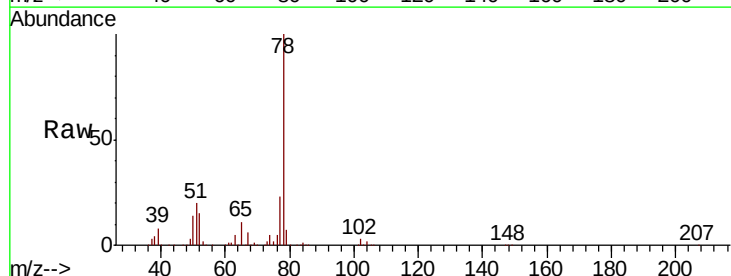
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

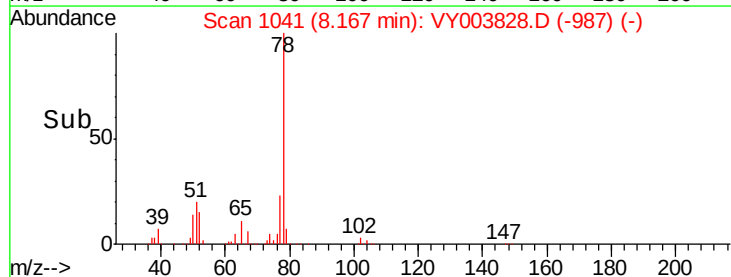
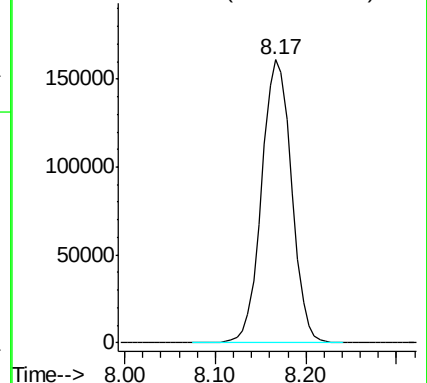
Lab File: VY003828.D

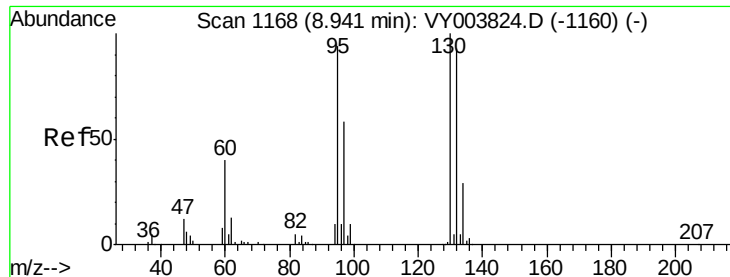
Acq: 19 Dec 2020 12:59

Tgt Ion: 78 Resp: 367792



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 23.534 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 95154

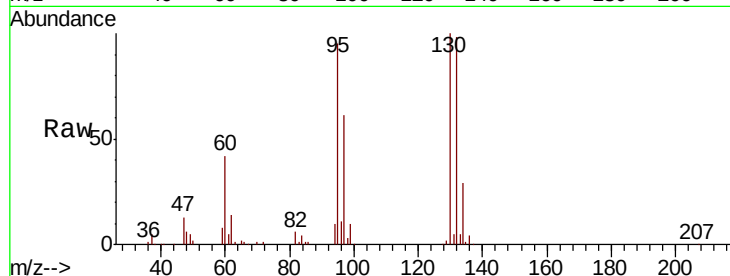
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.4

132 106.4 70.8 131.4

130 110.7 74.1 137.7

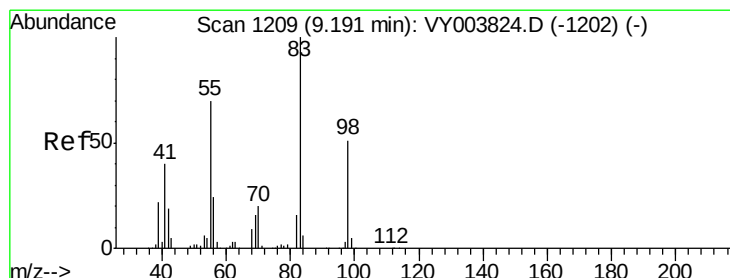
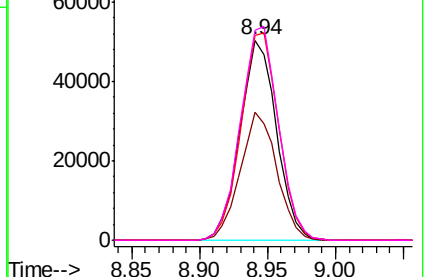
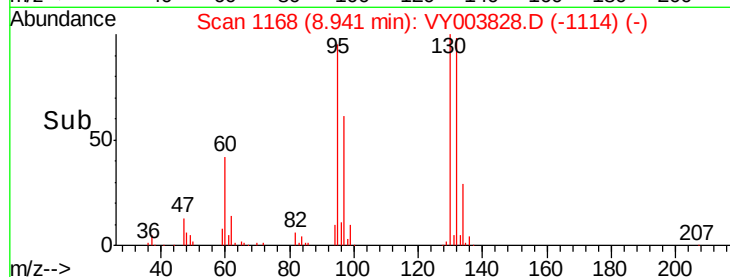


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 23.523 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

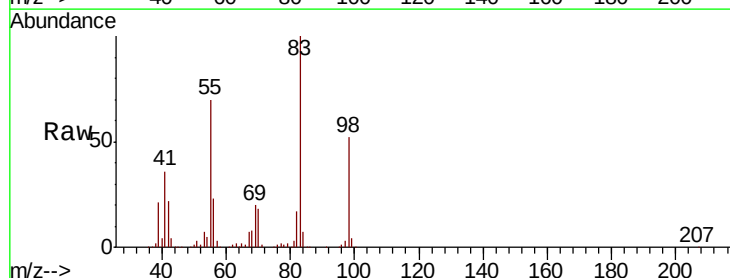
Tgt Ion: 83 Resp: 161112

Ion Ratio Lower Upper

83 100

55 69.5 60.3 90.5

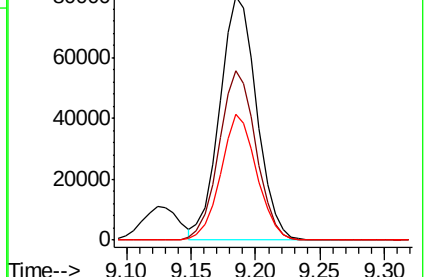
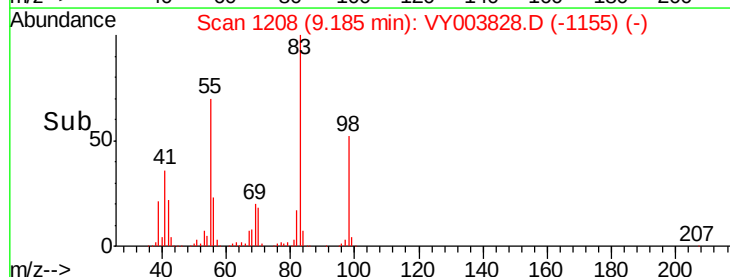
98 50.3 40.4 60.6

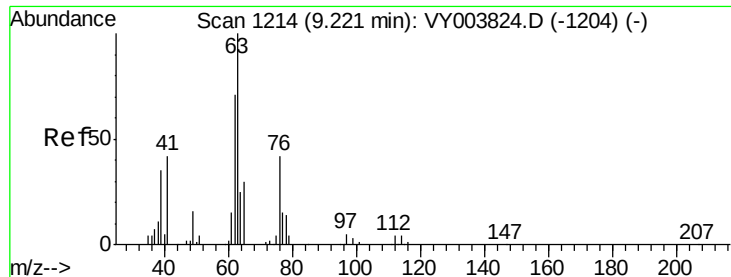


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 22.355 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

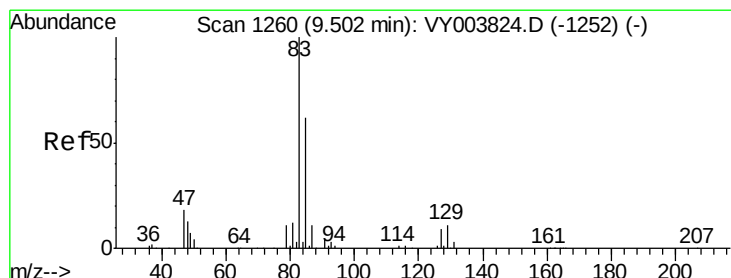
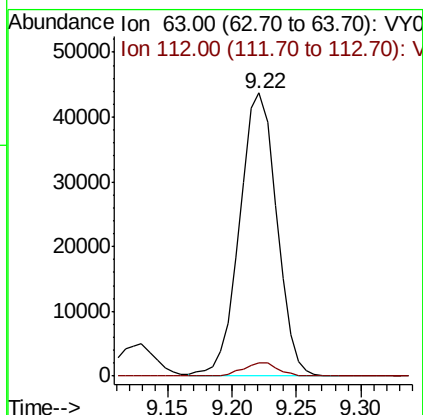
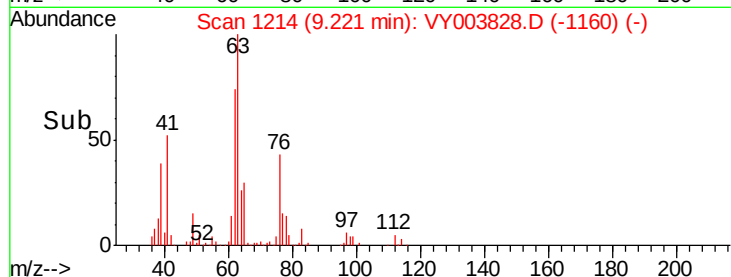
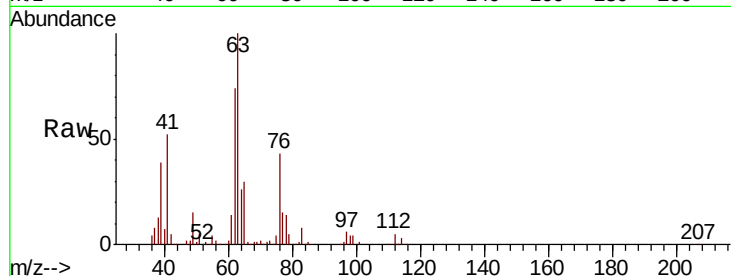
ClientSampleId :

Tot Ion: 63 Resp: 87282

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#41

Bromodichloromethane

Concen: 22.773 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

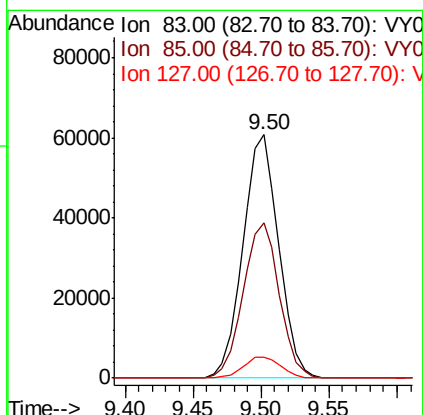
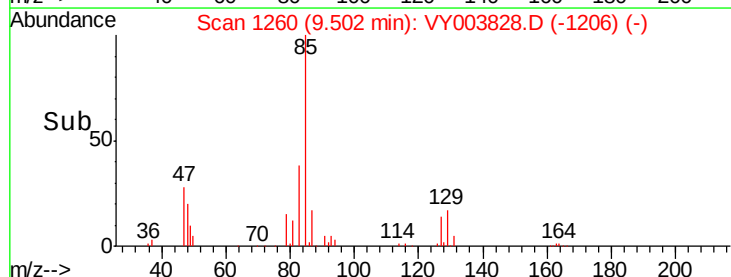
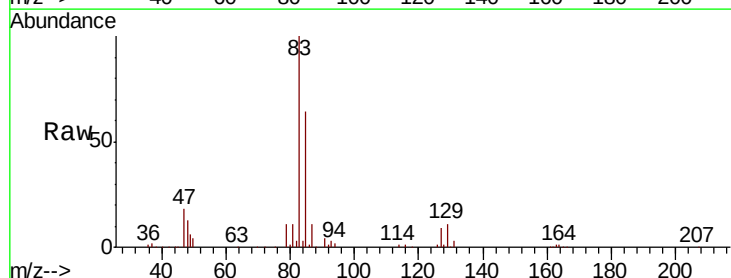
Tgt Ion: 83 Resp: 111318

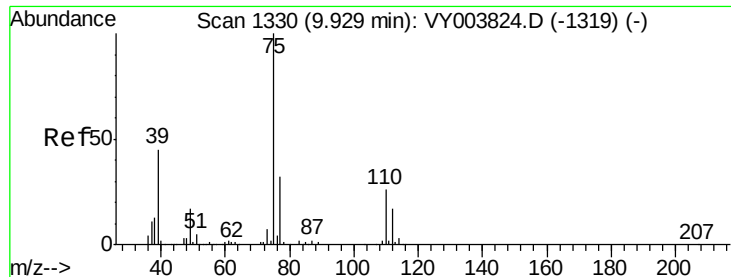
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2

127 8.8 6.6 10.0



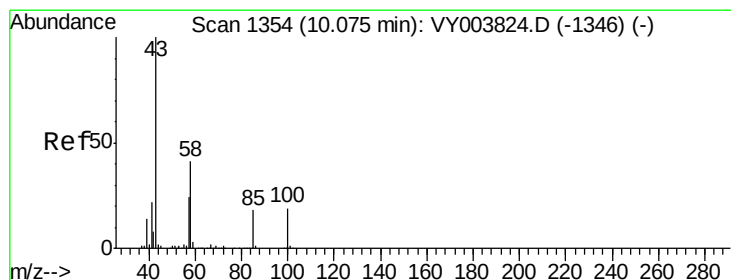
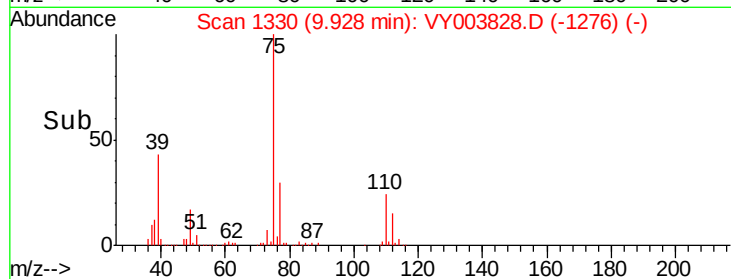
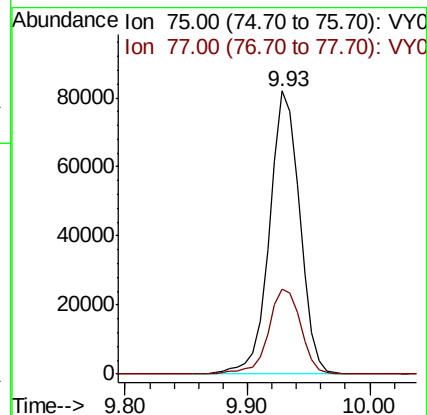
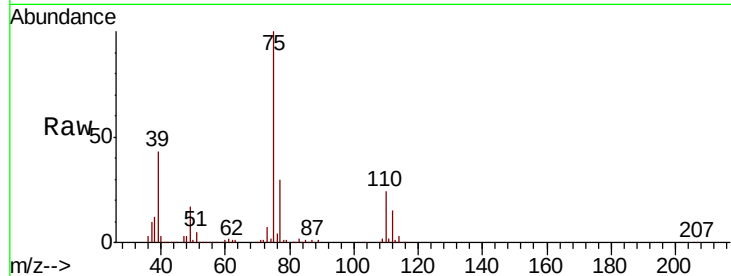


#42

cis-1,3-Dichloropropene
 Concen: 22.770 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :

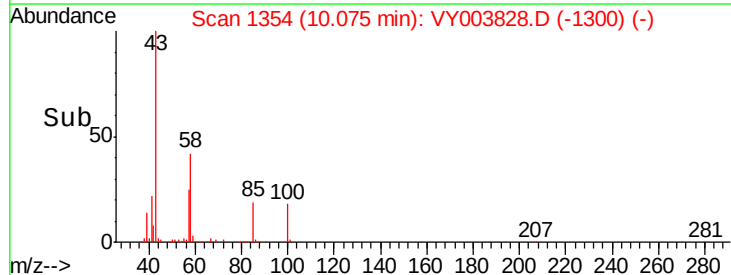
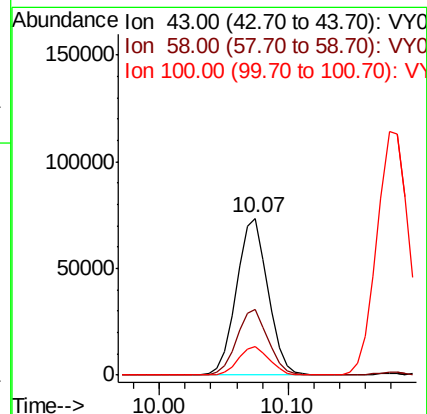
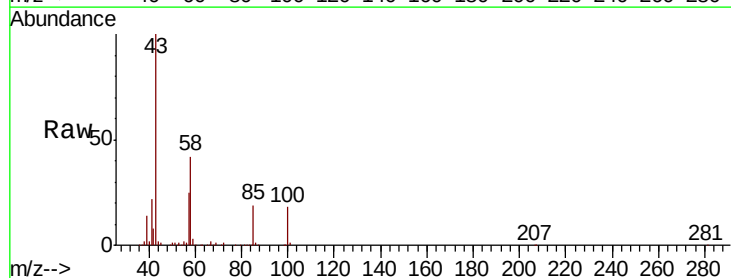
Tot Ion: 75 Resp: 141265
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.3 39.6

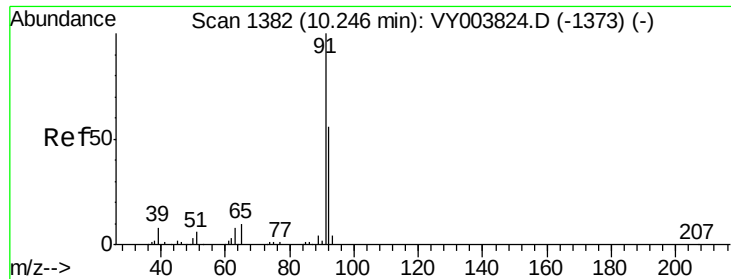


#43

4-Methyl-2-pentanone
 Concen: 32.938 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Tgt Ion: 43 Resp: 124697
 Ion Ratio Lower Upper
 43 100
 58 41.7 30.8 46.2
 100 17.8 11.8 17.8#





#44

Toluene

Concen: 24.985 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

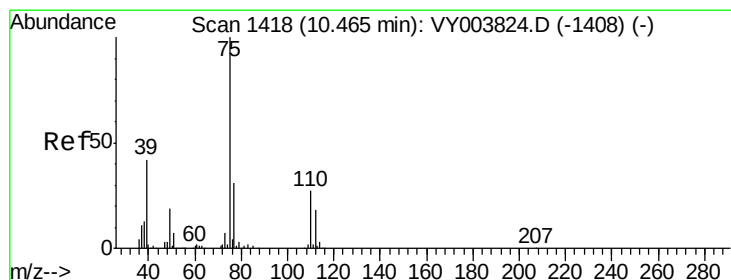
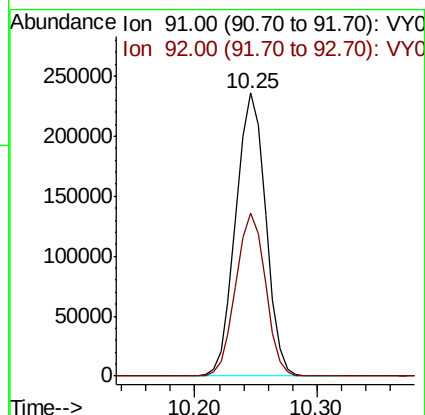
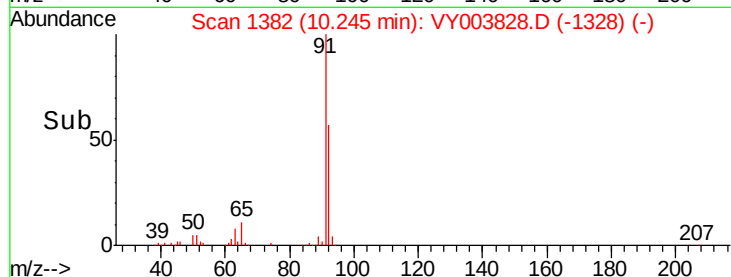
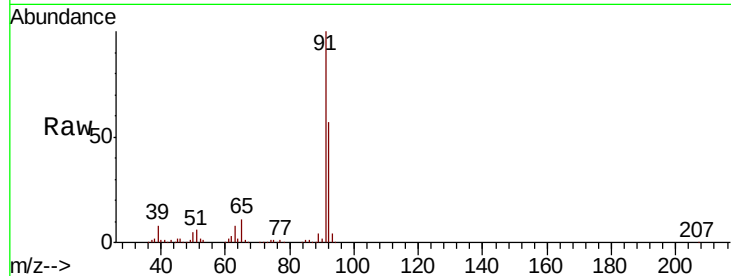
ClientSampleId :

Tot Ion: 91 Resp: 399774

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 22.218 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003828.D

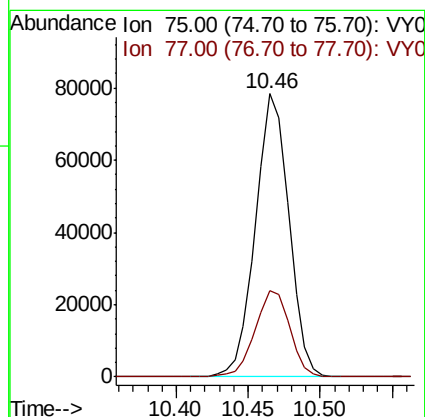
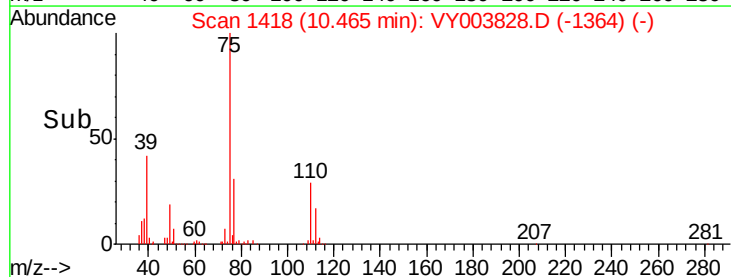
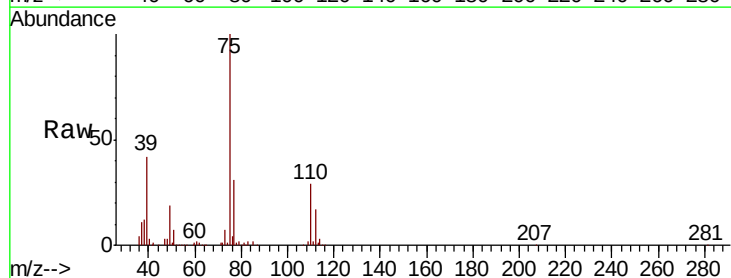
Acq: 19 Dec 2020 12:59

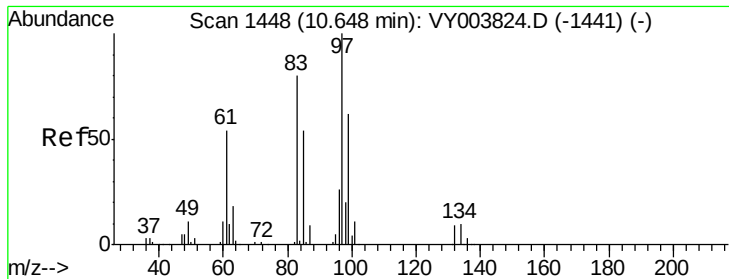
Tgt Ion: 75 Resp: 126130

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1

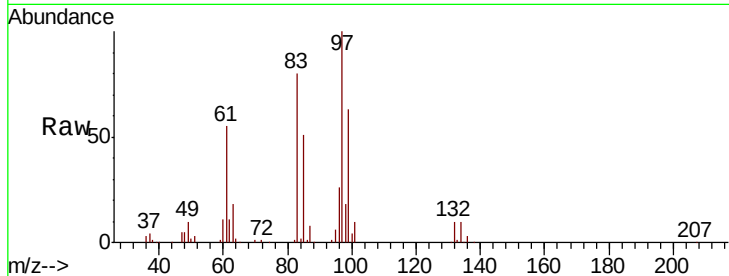




#46
 1,1,2-Trichloroethane
 Concen: 22.524 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	97	Resp:	71219
Ion	Ratio	Lower	Upper
97	100		
83	79.6	60.0	111.4
85	50.9	38.9	72.2
99	63.1	44.4	82.4



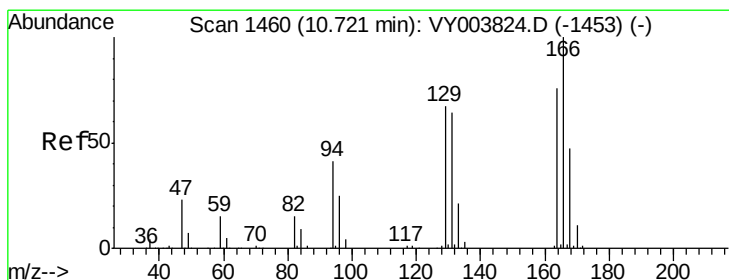
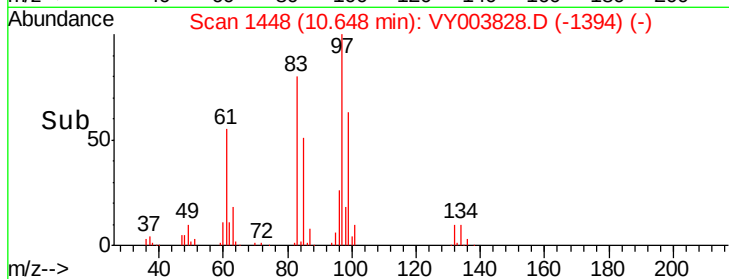
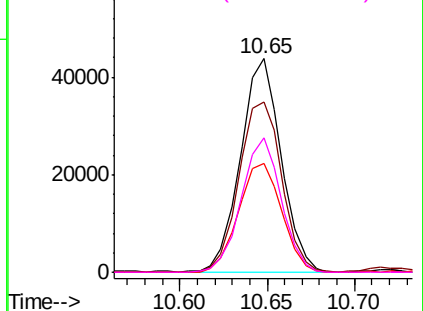
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

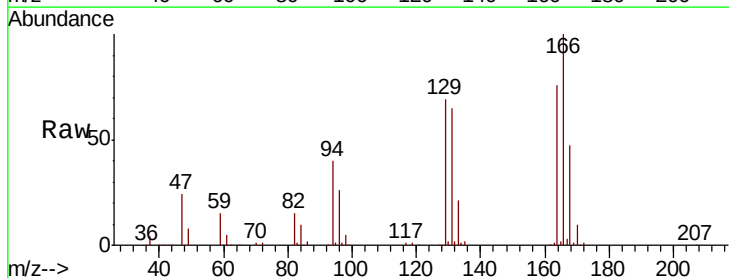
Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47
 Tetrachloroethene
 Concen: 25.053 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Tgt Ion:	164	Resp:	80546
Ion	Ratio	Lower	Upper
164	100		
129	90.1	61.3	113.9
131	85.6	60.4	112.2
166	130.9	87.8	163.0



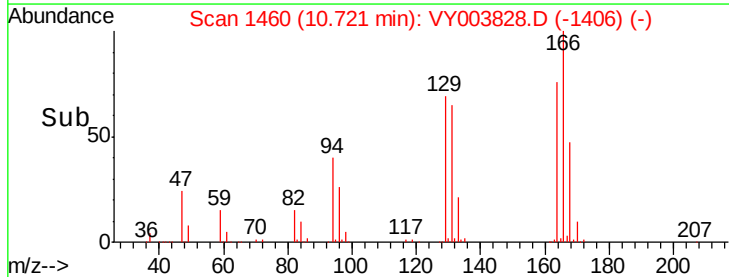
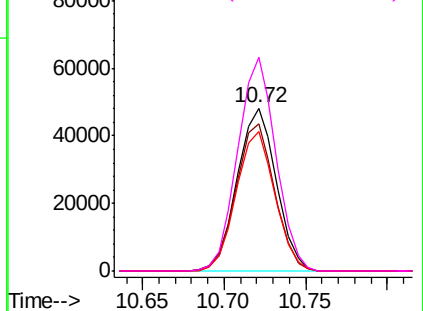
Abundance

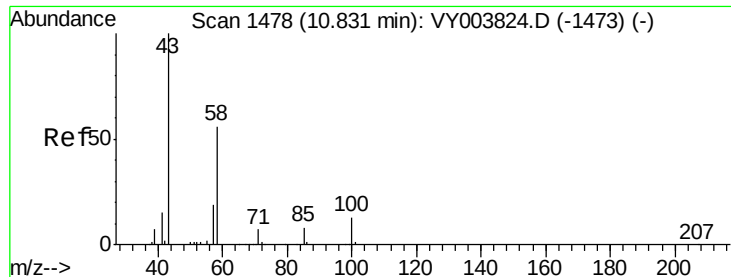
Ion 164.00 (163.70 to 164.70): V

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

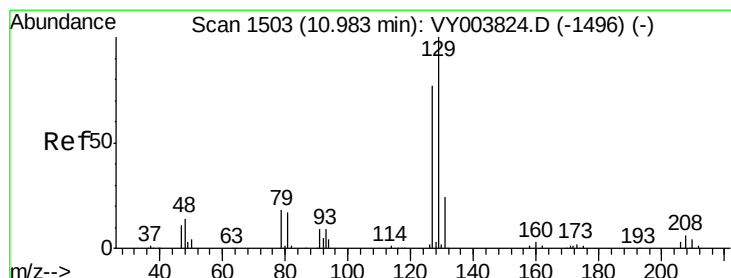
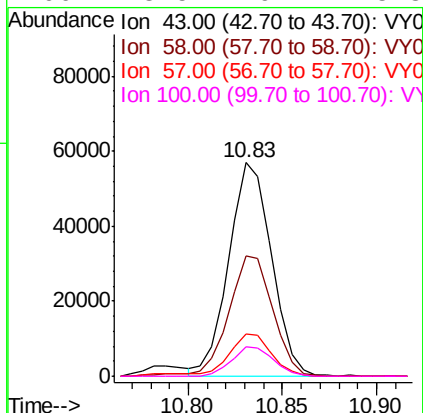
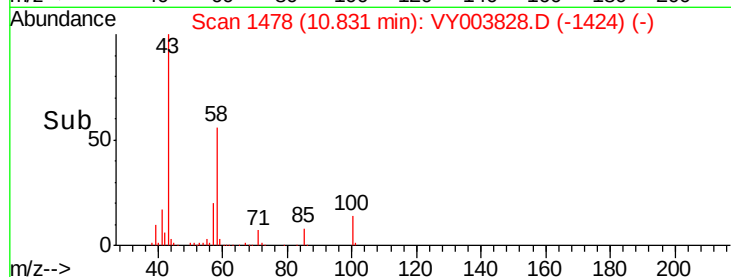
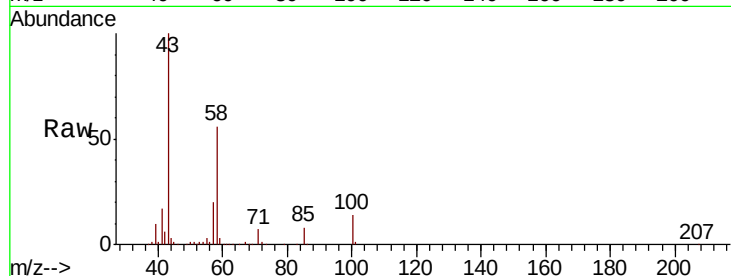




#49
2-Hexanone
Concen: 34.603 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

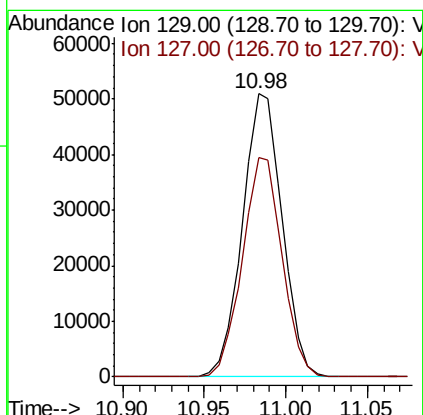
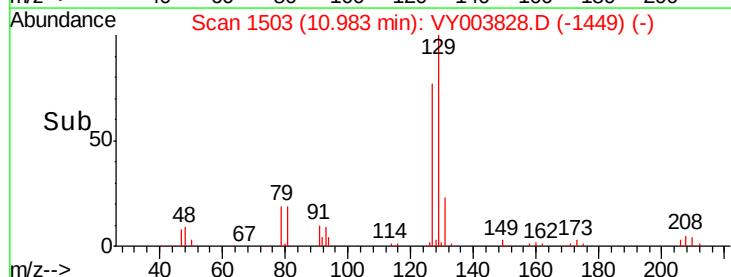
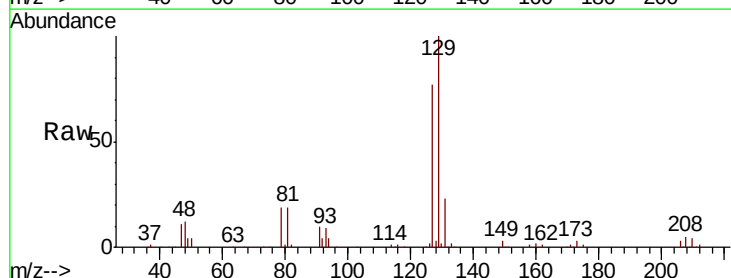
Instrument :
MSVOA_Y
ClientSampleId :

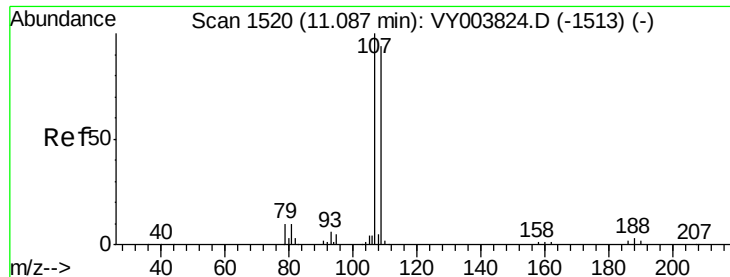
Tot Ion	Ratio	Lower	Upper
43	100		
58	58.7	43.0	64.4
57	19.3	14.1	21.1
100	13.5	9.2	13.8



#50
Dibromochloromethane
Concen: 23.340 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	55.2	102.4

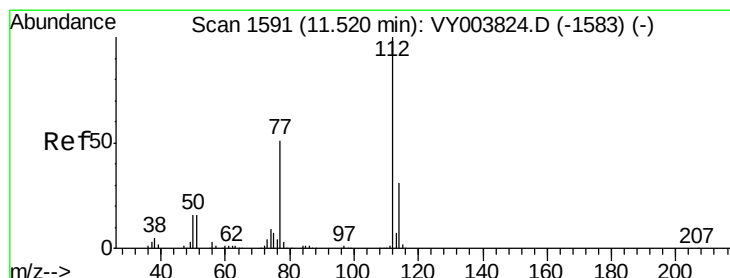
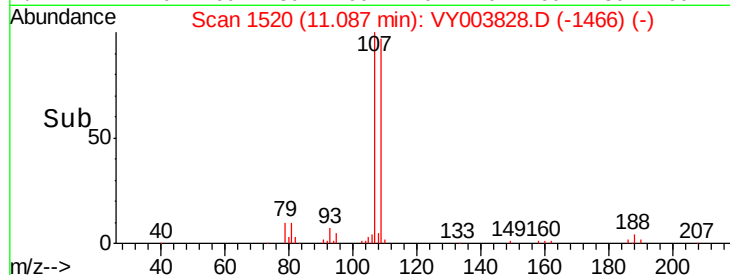
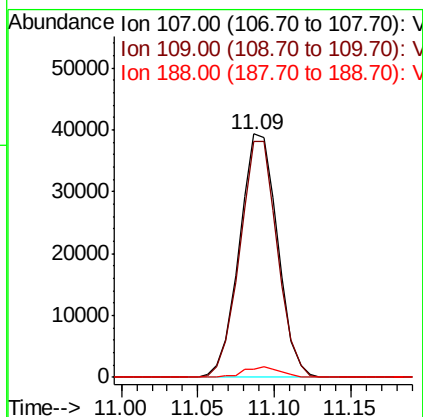
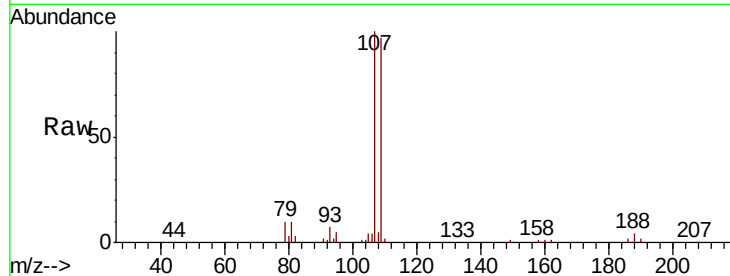




#51
1,2-Dibromoethane
Concen: 21.729 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

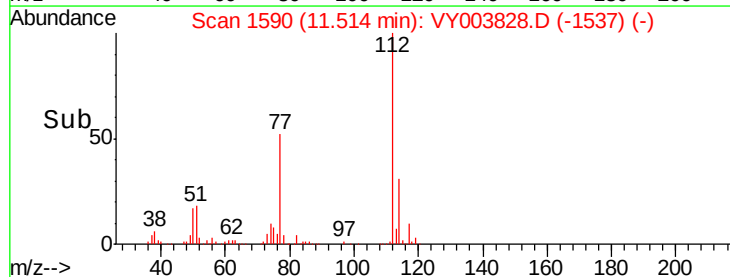
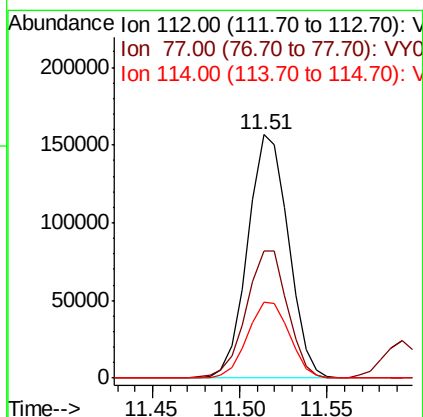
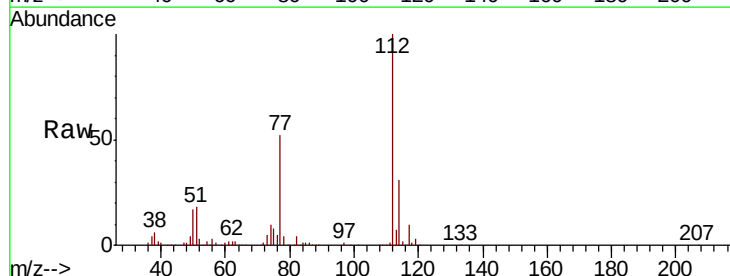
Instrument :
MSVOA_Y
ClientSampleId :

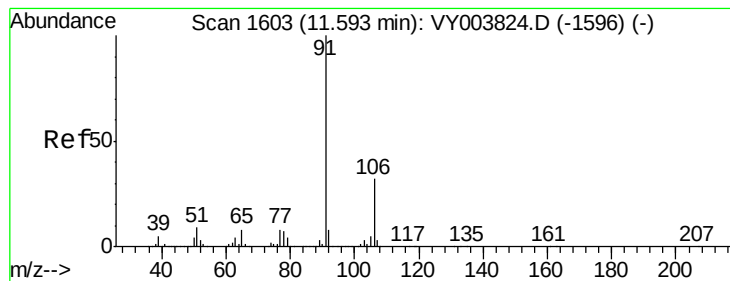
Tot Ion:107 Resp: 68069
Ion Ratio Lower Upper
107 100
109 97.1 64.6 120.0
188 3.5 2.9 4.3



#52
Chlorobenzene
Concen: 24.874 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VY003828.D
Acq: 19 Dec 2020 12:59

Tgt Ion:112 Resp: 254732
Ion Ratio Lower Upper
112 100
77 52.1 45.1 67.7
114 31.1 22.6 42.0





#53

Ethylbenzene

Concen: 24.582 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

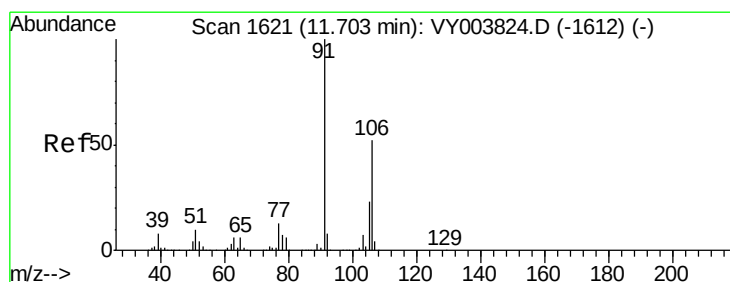
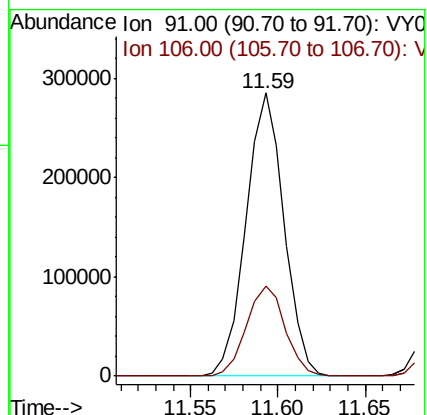
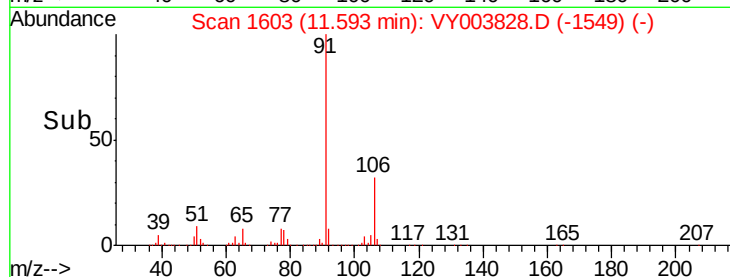
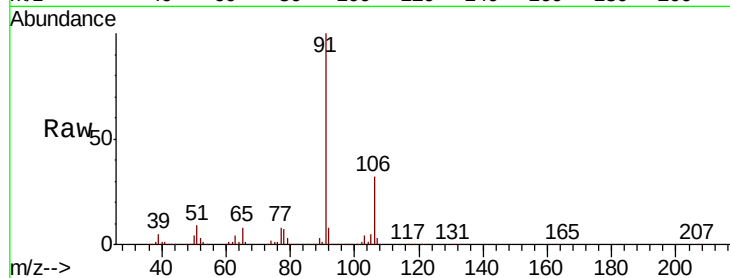
ClientSampleId :

Tot Ion: 91 Resp: 429758

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#54

m,p-Xylene

Concen: 25.465 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003828.D

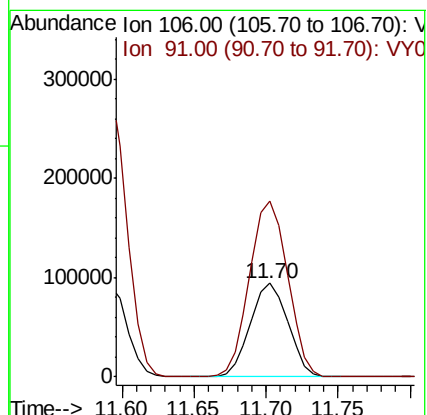
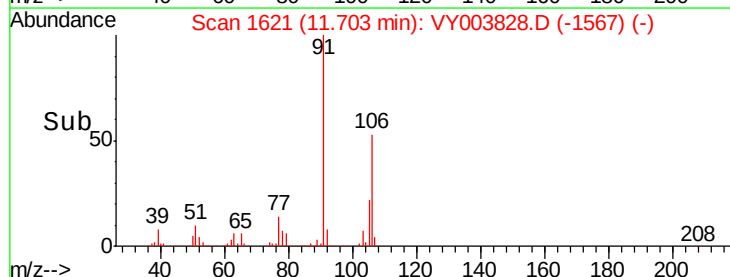
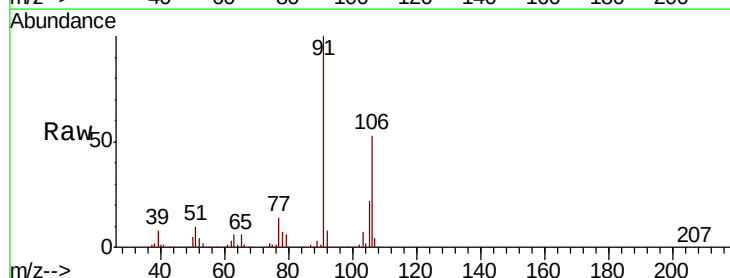
Acq: 19 Dec 2020 12:59

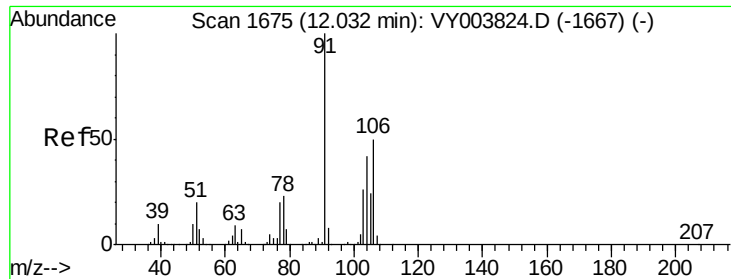
Tgt Ion: 106 Resp: 171725

Ion Ratio Lower Upper

106 100

91 187.9 136.4 253.4





#55

o-xylene

Concen: 25.320 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

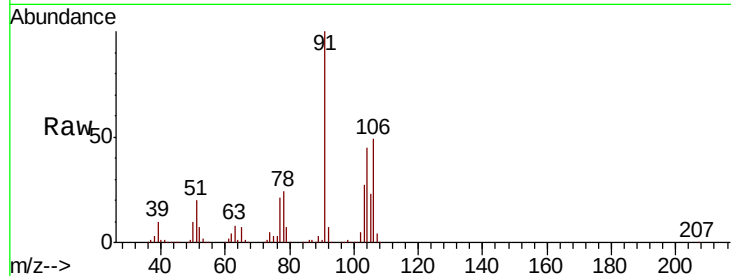
ClientSampled :

Tot Ion:106 Resp: 160223

Ion Ratio Lower Upper

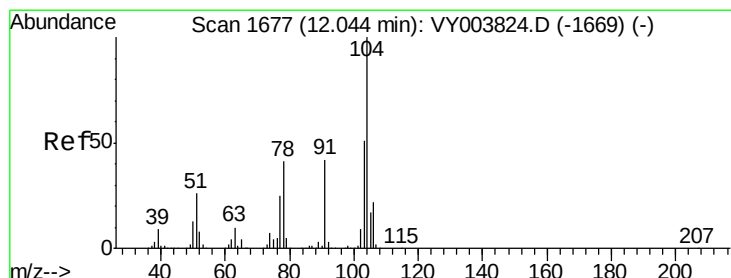
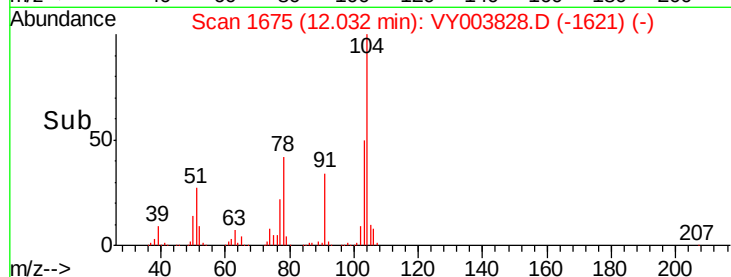
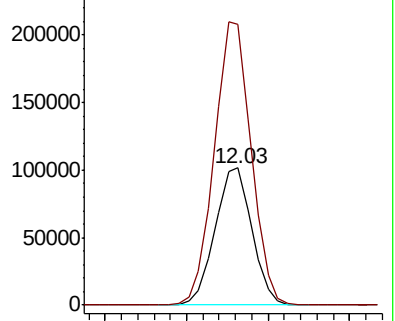
106 100

91 204.4 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 25.516 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003828.D

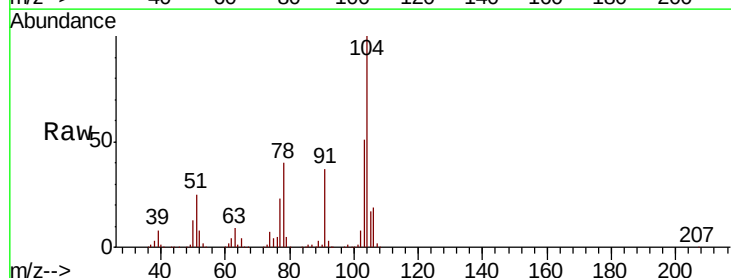
Acq: 19 Dec 2020 12:59

Tgt Ion:104 Resp: 275662

Ion Ratio Lower Upper

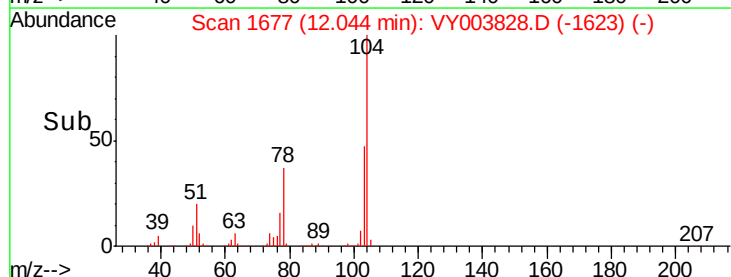
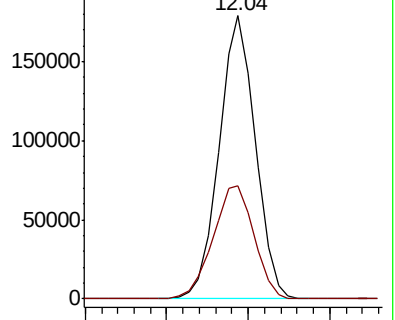
104 100

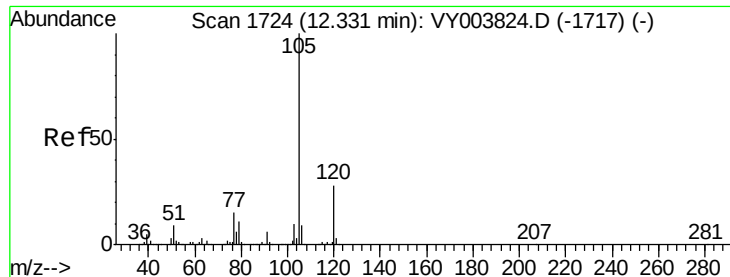
78 40.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 25.112 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

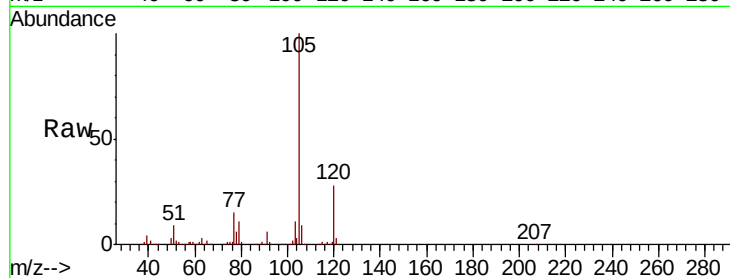
Tot Ion:105 Resp: 424336

Ion Ratio Lower Upper

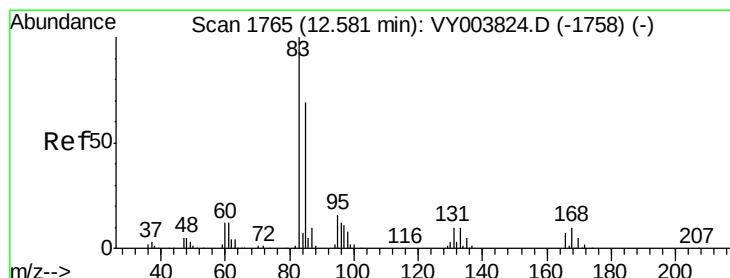
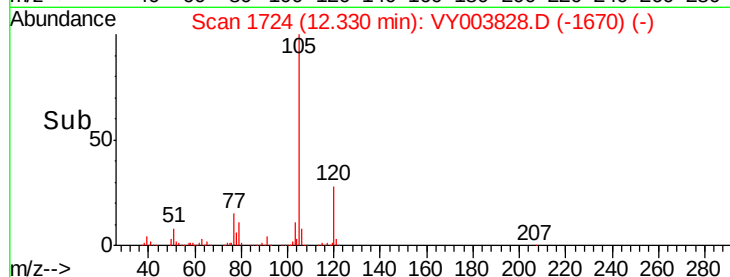
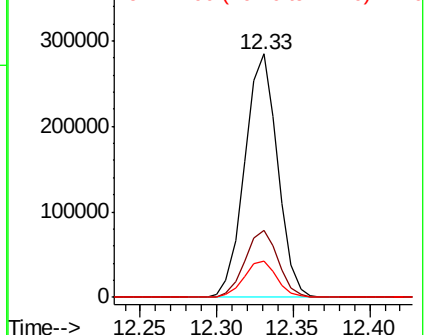
105 100

120 27.8 22.1 33.1

77 15.1 12.2 18.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.867 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

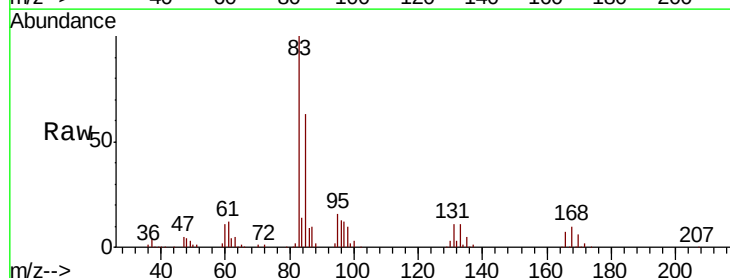
Tgt Ion: 83 Resp: 77085

Ion Ratio Lower Upper

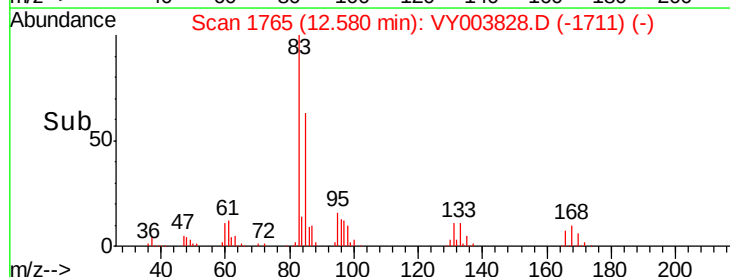
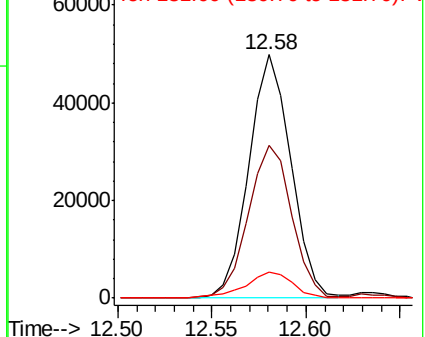
83 100

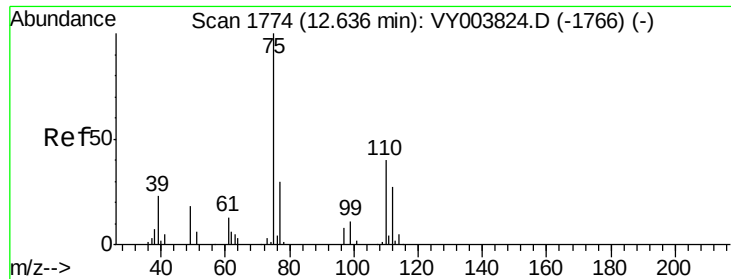
85 62.8 43.9 81.5

131 10.8 7.8 11.8



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): V





#59

1,2,3-Trichloropropane

Concen: 19.617 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

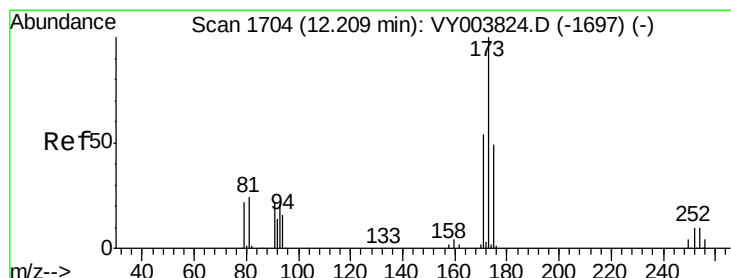
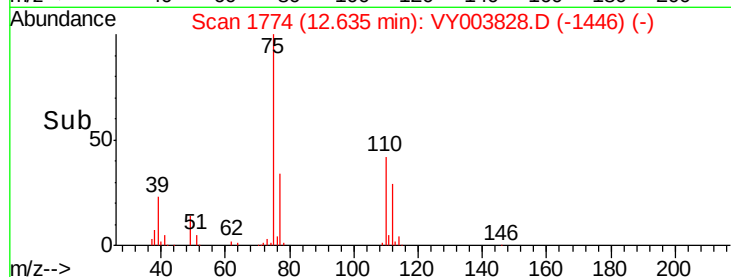
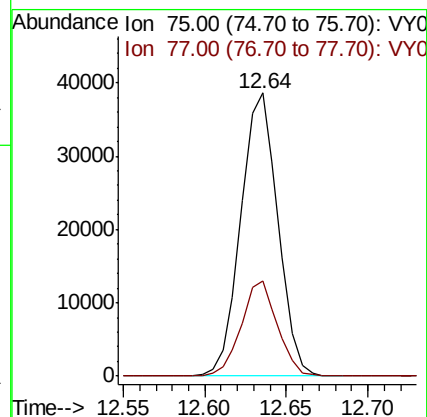
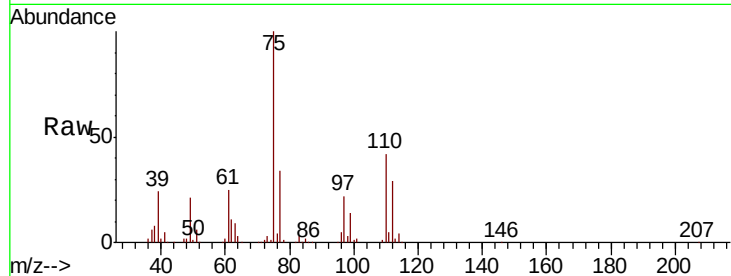
ClientSampleId :

Tot Ion: 75 Resp: 61135

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



#62

Bromoform

Concen: 21.432 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

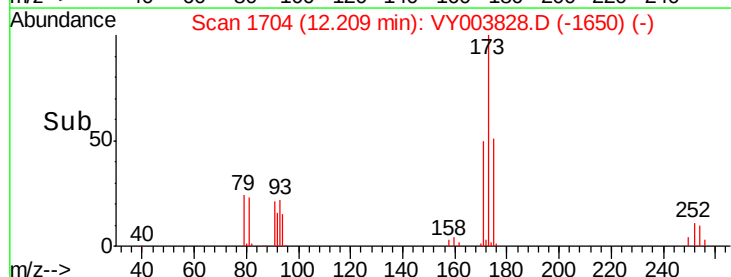
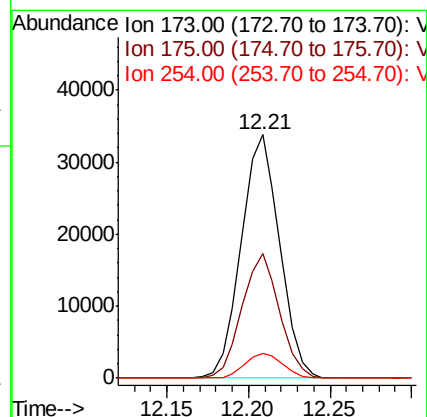
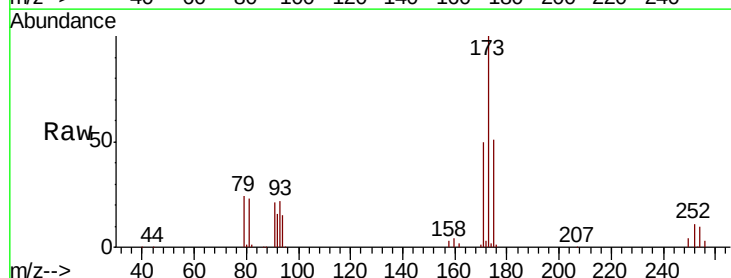
Tgt Ion: 173 Resp: 55383

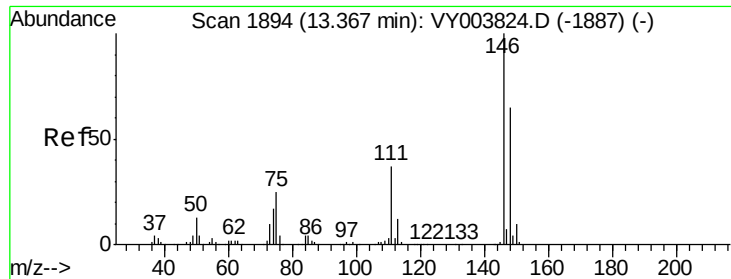
Ion Ratio Lower Upper

173 100

175 49.8 38.8 58.2

254 9.9 7.8 11.6

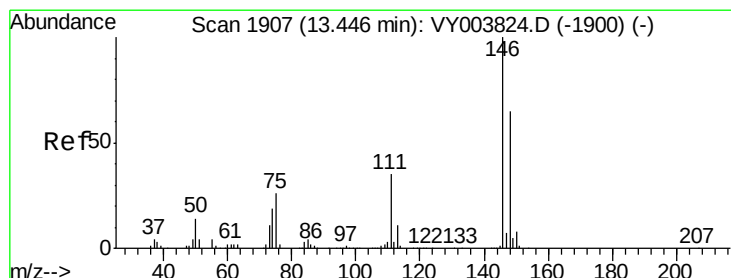
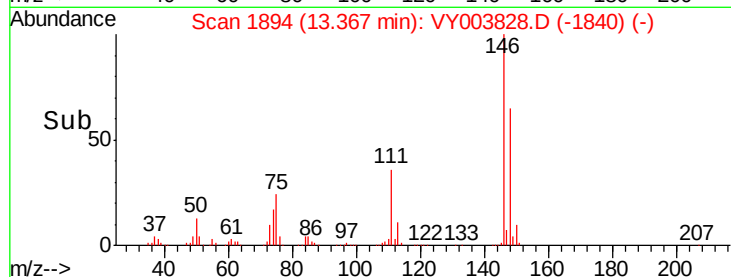
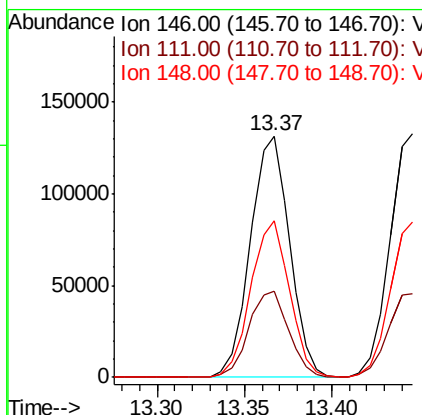
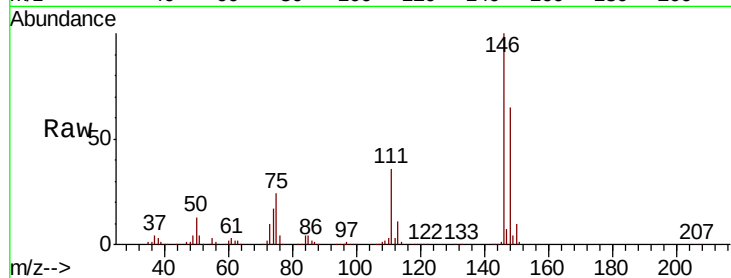




#63
 1,3-Dichlorobenzene
 Concen: 25.225 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

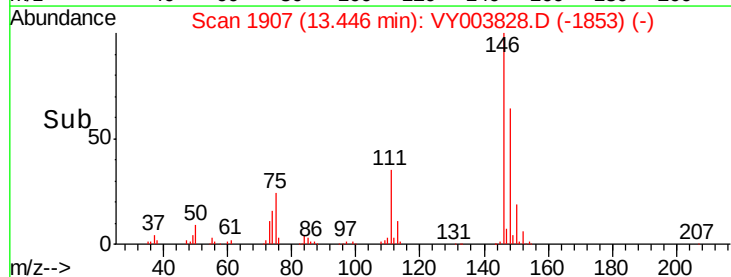
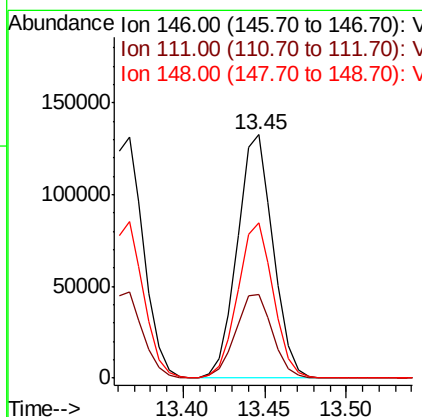
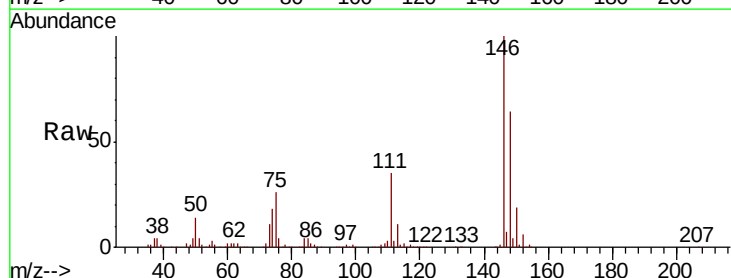
Instrument :
 MSVOA_Y
 ClientSampleId :

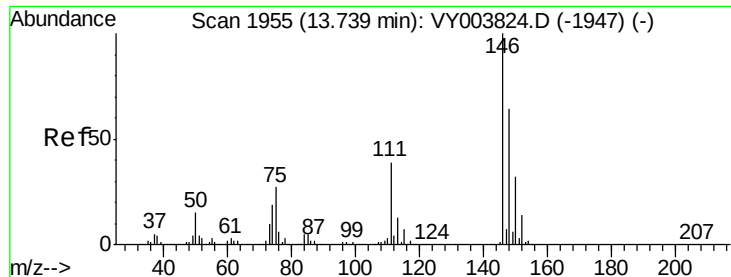
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	26.9	50.1
148	65.0	46.0	85.4



#64
 1,4-Dichlorobenzene
 Concen: 24.501 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	24.8	46.0
148	64.0	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 24.310 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

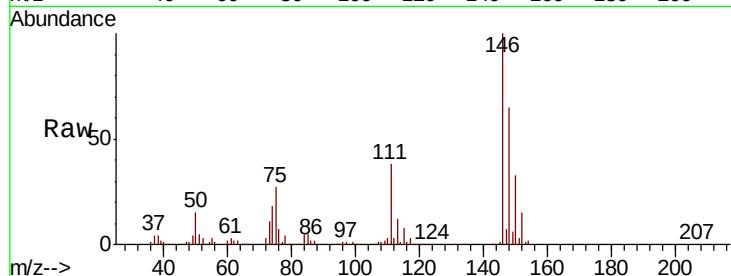
Tot Ion:146 Resp: 182044

Ion Ratio Lower Upper

146 100

111 38.4 31.8 47.8

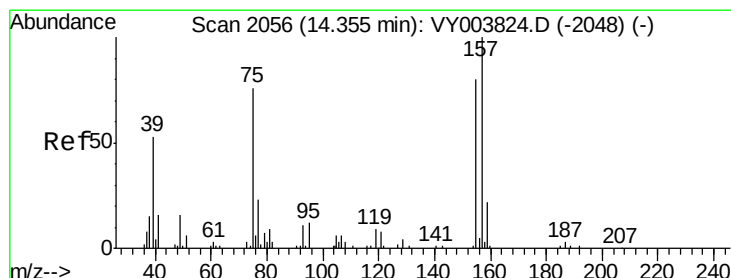
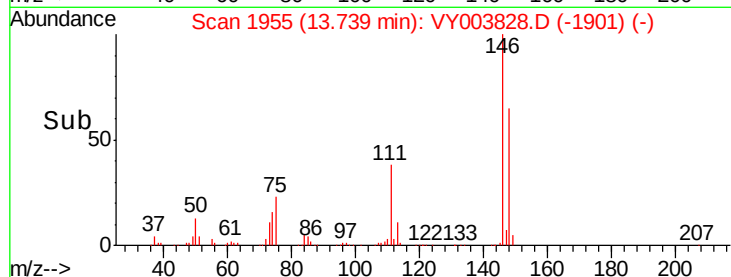
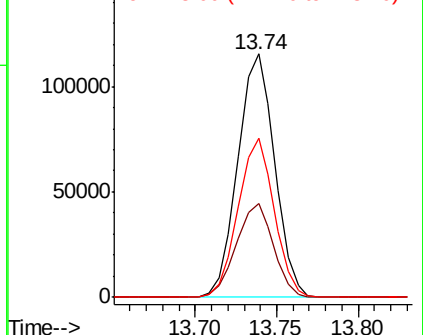
148 65.1 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 17.554 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

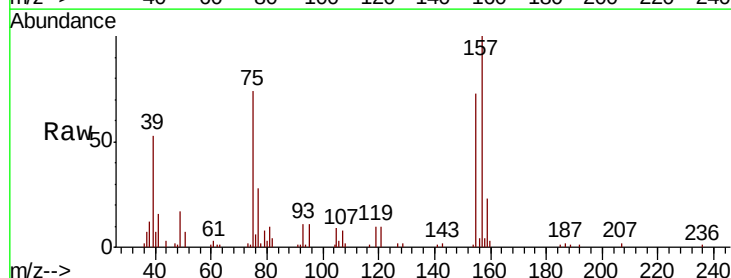
Tgt Ion: 75 Resp: 12924

Ion Ratio Lower Upper

75 100

157 134.4 93.8 140.8

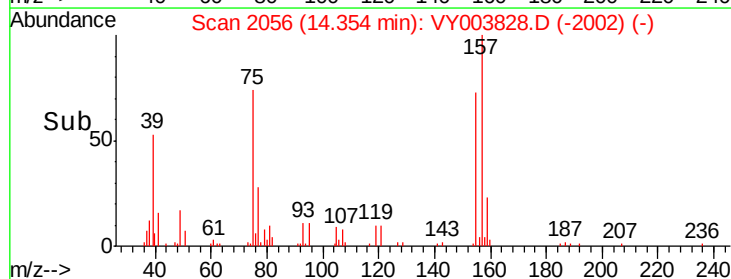
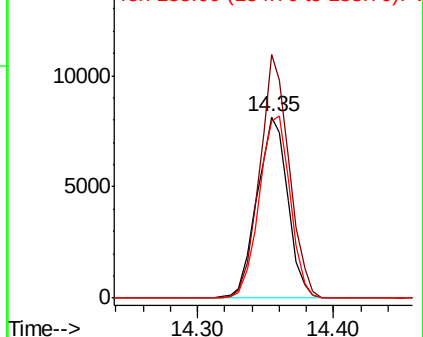
155 97.5 70.9 106.3

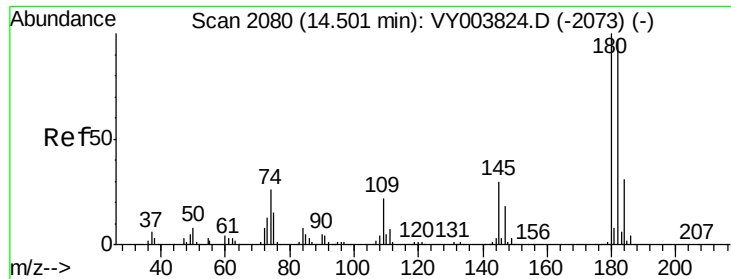


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

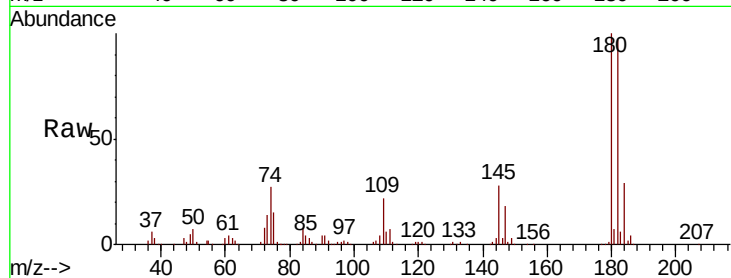




#67
 1,3,5-Trichlorobenzene
 Concen: 24.615 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.7	113.5
184	30.4	24.2	36.4
145	28.2	22.9	34.3



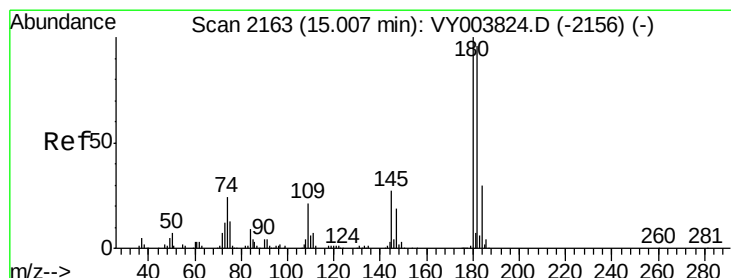
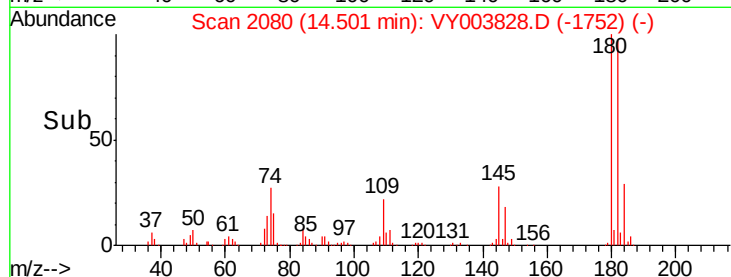
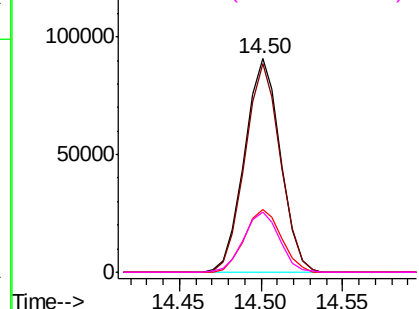
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

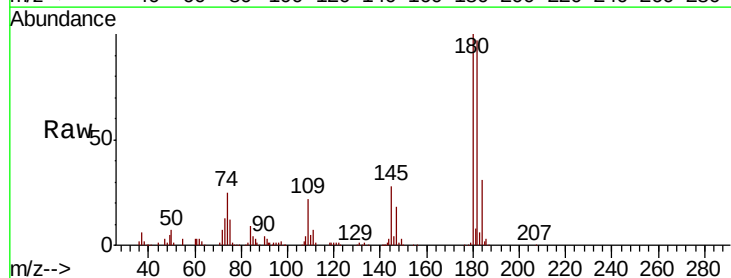
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.044 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003828.D
 Acq: 19 Dec 2020 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.7	23.7	35.5

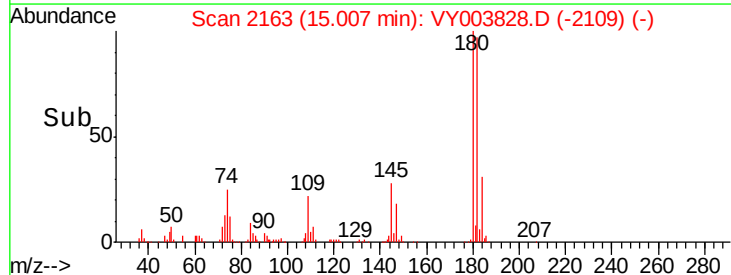
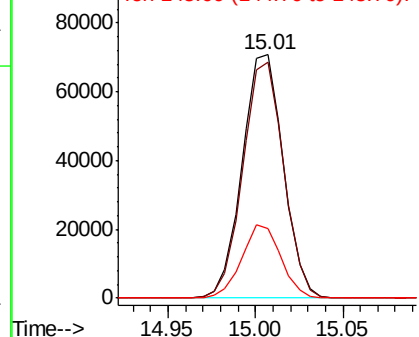


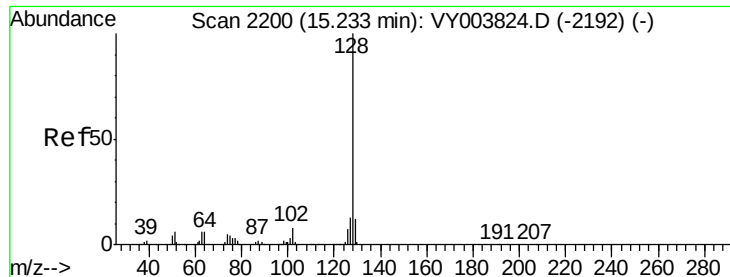
Abundance

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: 21.523 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

Instrument :

MSVOA_Y

ClientSampleId :

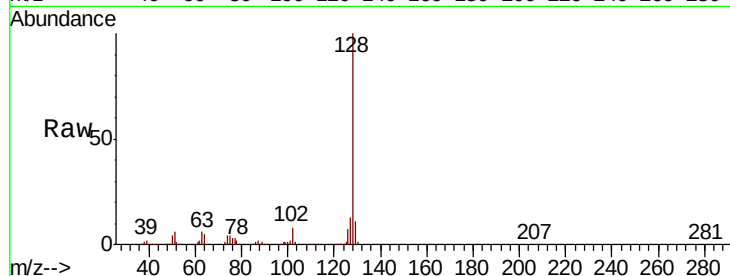
Tot Ion:128 Resp: 236648

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 13.2 10.2 15.4



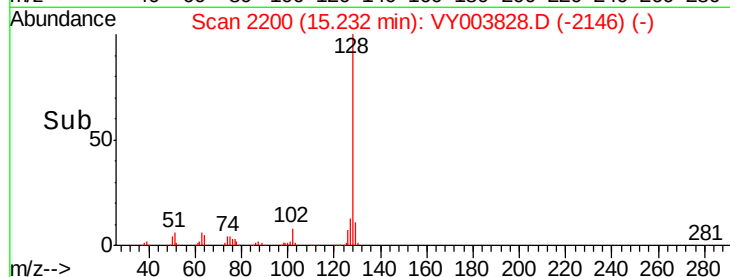
Abundance

Ion 128.00 (127.70 to 128.70): V

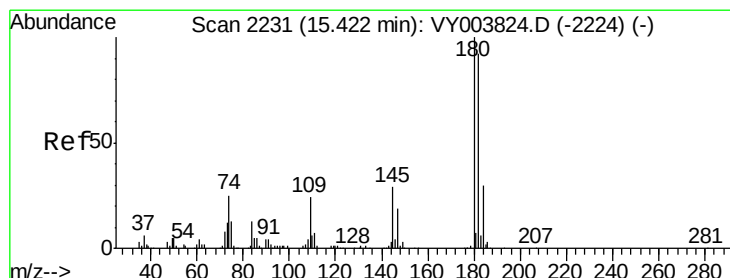
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.23



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 23.006 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003828.D

Acq: 19 Dec 2020 12:59

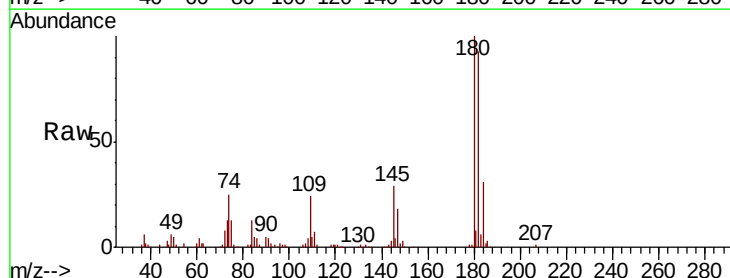
Tgt Ion:180 Resp: 100829

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 29.8 25.0 37.6



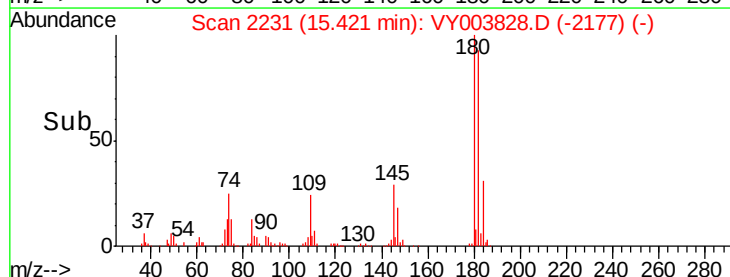
Abundance

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

15.42



Time-->