

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003595.D
 Acq On : 24 Nov 2020 10:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 25 05:59:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 05:55:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	195724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	179730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	88880	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	42431	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
7) Chloroethane-d5	2.77	69	39067	19.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.08%
10) 1,1-Dichloroethene-d2	3.86	63	111309	20.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.48%
20) 2-Butanone-d5	6.90	46	48754	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
24) Chloroform-d	7.49	84	110879	22.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	8.14	65	59811	21.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.80%
29) Benzene-d6	8.11	84	222307	21.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.92%
33) 1,2-Dichloropropane-d6	9.13	67	67209	21.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.56%
37) Toluene-d8	10.18	98	201138	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.44	79	32236	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.16%
39) 2-Hexanone-d5	10.79	63	35909	44.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.96%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	58371	21.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.28%
61) 1,2-Dichlorobenzene-d4	13.72	152	59776	20.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.93	85	25098	24.195	ug/L	91
3) Chloromethane	2.12	50	54286	24.863	ug/L	96
5) Vinyl chloride	2.26	62	71753	27.514	ug/L	99
6) Bromomethane	2.67	94	50333	24.865	ug/L	100
8) Chloroethane	2.80	64	44037	24.869	ug/L	97
9) Trichlorofluoromethane	3.13	101	62082	24.836	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	67324	25.974	ug/L	99
12) 1,1-Dichloroethene	3.88	96	70137	25.872	ug/L	95
13) Acetone	3.98	43	36547	46.798	ug/L	97
14) Carbon disulfide	4.20	76	231200	25.742	ug/L	98
15) Methyl Acetate	4.49	43	48083	24.258	ug/L	99
16) Methylene chloride	4.72	84	77149	22.992	ug/L	97
17) Methyl tert-butyl Ether	5.23	73	104144	24.587	ug/L #	90
18) trans-1,2-Dichloroethene	5.23	96	73955	25.885	ug/L	95
19) 1,1-Dichloroethane	6.02	63	123989	25.697	ug/L	99
21) 2-Butanone	7.00	43	62263	47.343	ug/L #	73
22) cis-1,2-Dichloroethene	6.99	96	75508	25.732	ug/L	98

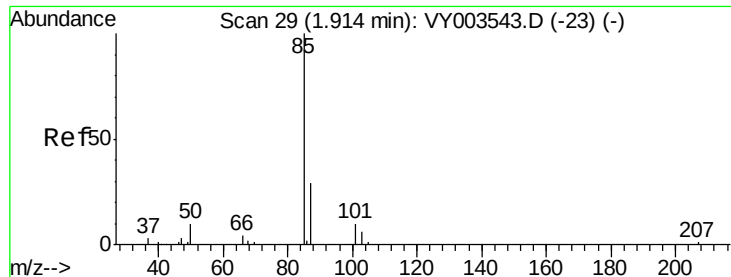
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003595.D
 Acq On : 24 Nov 2020 10:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 25 05:59:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 05:55:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	36530	25.708	ug/L	93
25) Chloroform	7.51	83	123392	25.718	ug/L	100
27) 1,2-Dichloroethane	8.24	62	79526	24.537	ug/L	97
30) Cyclohexane	7.79	56	109352	25.023	ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	97048	24.820	ug/L	99
32) Carbon tetrachloride	7.90	117	93906	25.269	ug/L	99
34) Benzene	8.16	78	291506	25.712	ug/L	100
35) Trichloroethene	8.94	95	71943	25.059	ug/L	99
36) Methylcyclohexane	9.18	83	108068	24.079	ug/L	99
40) 1,2-Dichloropropane	9.22	63	70960	25.386	ug/L	100
41) Bromodichloromethane	9.50	83	89203	25.002	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	109407	24.820	ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	108338	46.320	ug/L	100
44) Toluene	10.24	91	302840	25.345	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	102752	25.307	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	56270	25.195	ug/L	98
47) Tetrachloroethene	10.72	164	62976	25.233	ug/L	97
49) 2-Hexanone	10.83	43	89424	48.404	ug/L	99
50) Dibromochloromethane	10.99	129	66643	24.747	ug/L	95
51) 1,2-Dibromoethane	11.09	107	56545	25.403	ug/L	100
52) Chlorobenzene	11.52	112	191416	25.081	ug/L	100
53) Ethylbenzene	11.60	91	302852	24.673	ug/L	99
54) m,p-Xylene	11.70	106	117038	24.771	ug/L	99
55) o-xylene	12.03	106	94451	23.948	ug/L	92
56) Styrene	12.05	104	196798	25.482	ug/L	97
57) Isopropylbenzene	12.33	105	206894	23.178	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	64742	24.571	ug/L	97
59) 1,2,3-Trichloropropane	12.63	75	49144	23.960	ug/L	99
62) Bromoform	12.20	173	44391	24.607	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	140704	25.087	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	145024	25.111	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	111170	24.067	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	8708	22.147	ug/L	95
67) 1,3,5-Trichlorobenzene	14.50	180	71068	23.886	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	60677	23.673	ug/L	99
69) Naphthalene	15.23	128	106650	23.590	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	45729	23.601	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.195 ug/L

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

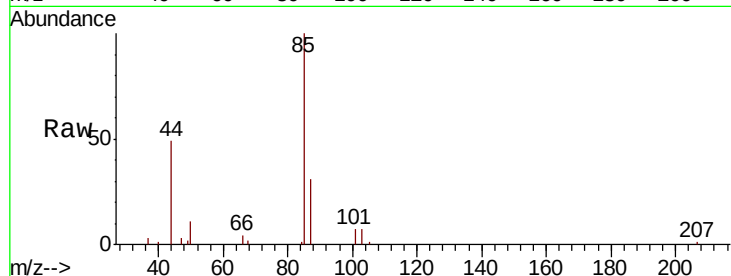
ClientSampleId :

Tot Ion: 85 Resp: 25098

Ion Ratio Lower Upper

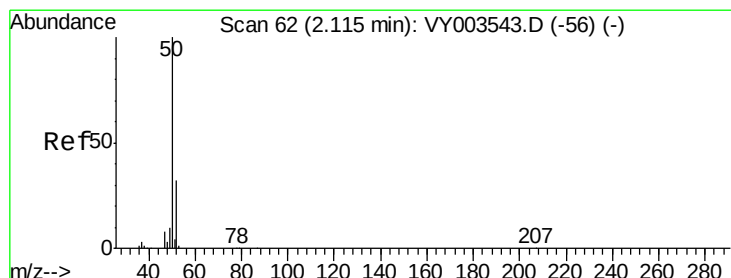
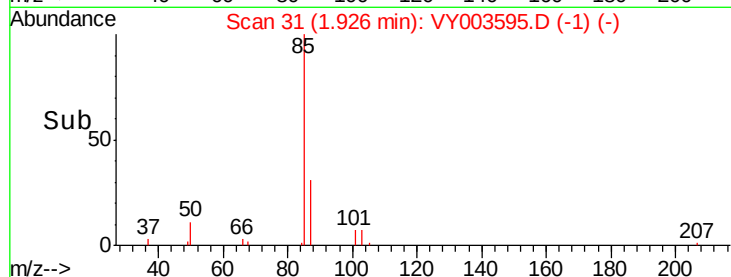
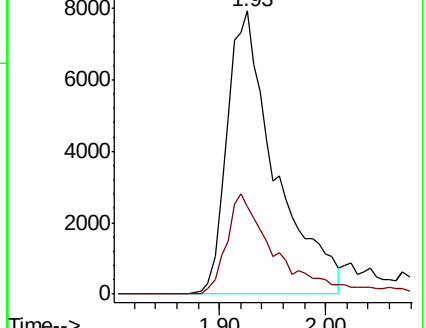
85 100

87 25.3 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY003543.D (-23) (-)

Ion 87.00 (86.70 to 87.70): VY003543.D (-23) (-)



#3

Chloromethane

Concen: 24.863 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003595.D

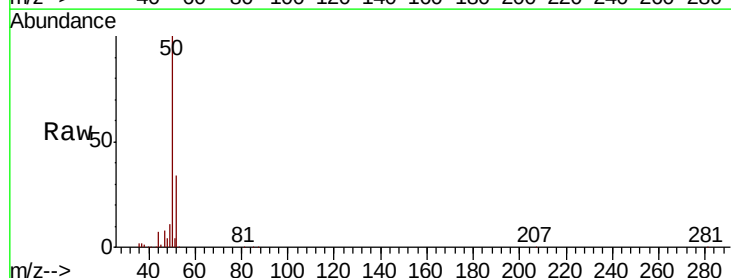
Acq: 24 Nov 2020 10:39

Tgt Ion: 50 Resp: 54286

Ion Ratio Lower Upper

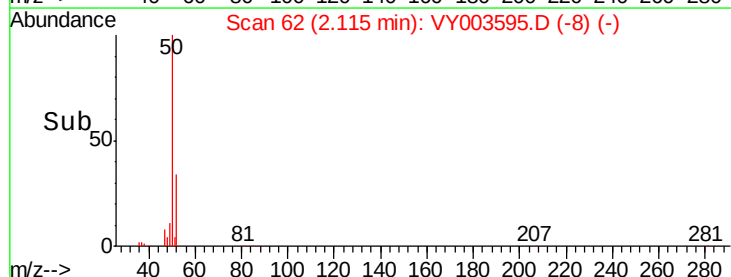
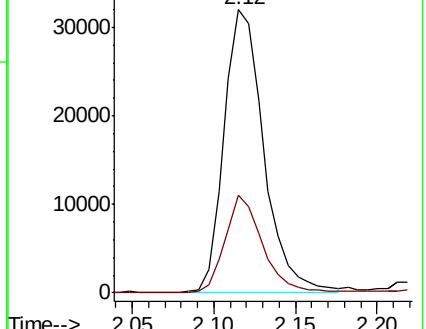
50 100

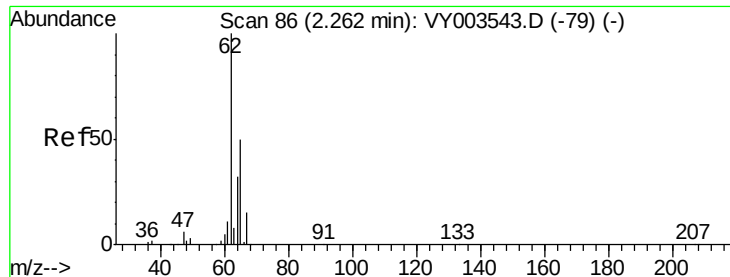
52 34.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY003543.D (-56) (-)

Ion 52.00 (51.70 to 52.70): VY003543.D (-56) (-)





#5

Vinyl chloride

Concen: 27.514 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

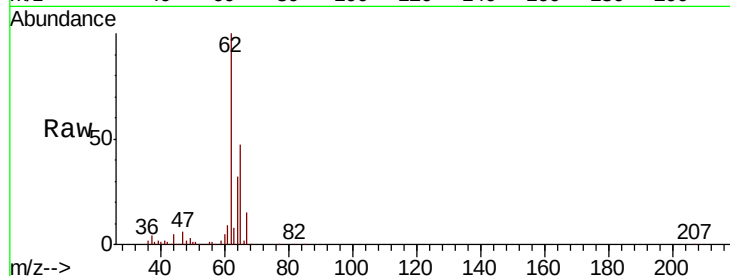
ClientSampleId :

Tot Ion: 62 Resp: 71753

Ion Ratio Lower Upper

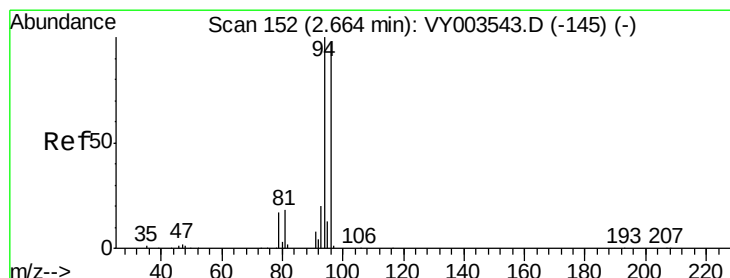
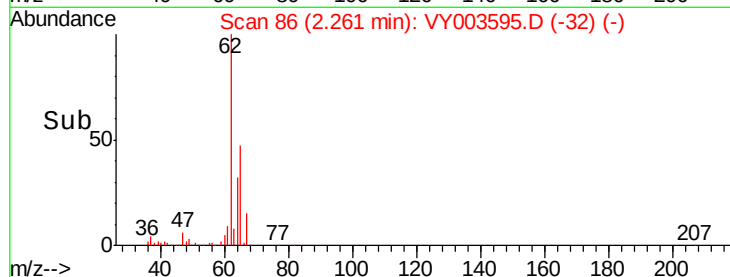
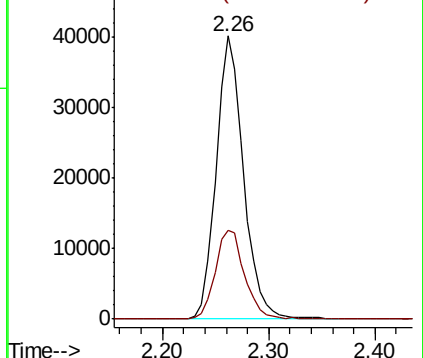
62 100

64 31.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 24.865 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003595.D

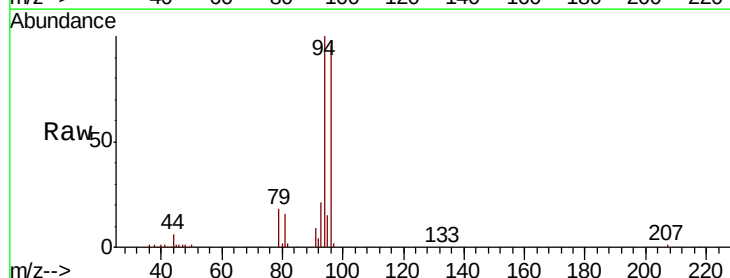
Acq: 24 Nov 2020 10:39

Tgt Ion: 94 Resp: 50333

Ion Ratio Lower Upper

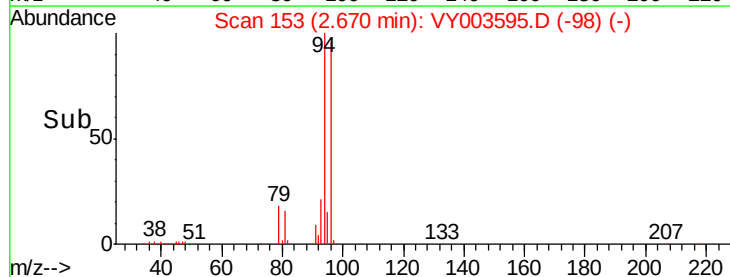
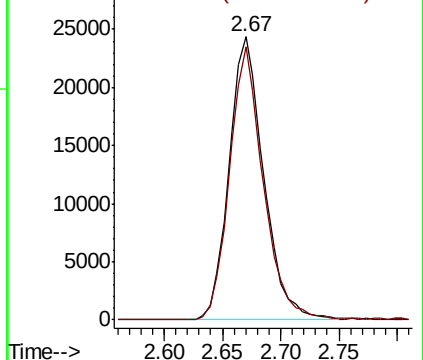
94 100

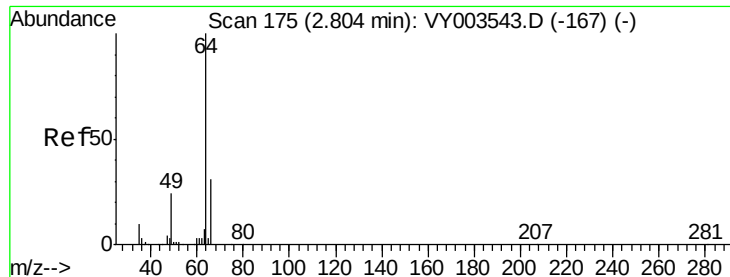
96 94.0 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

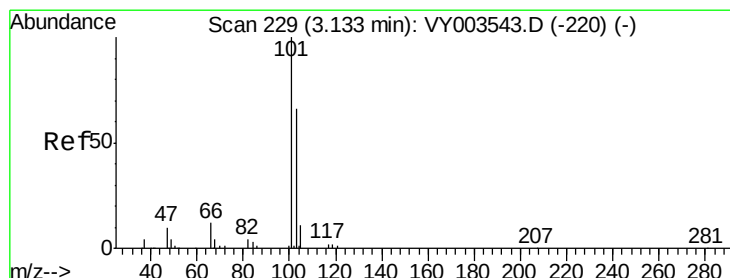
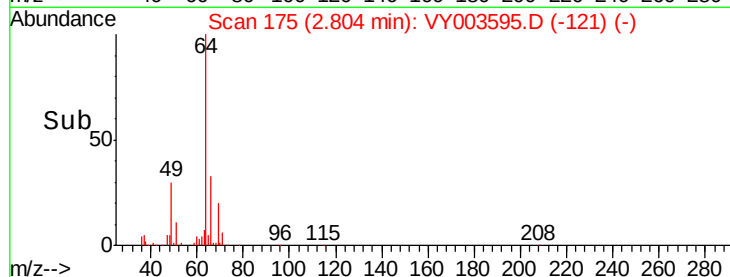
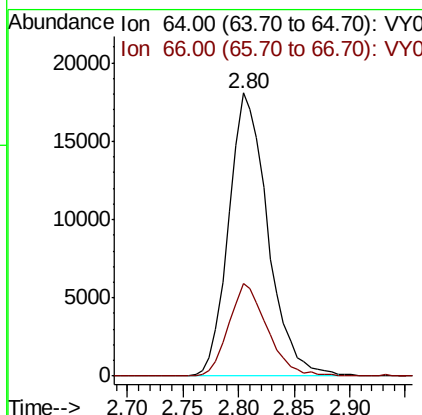
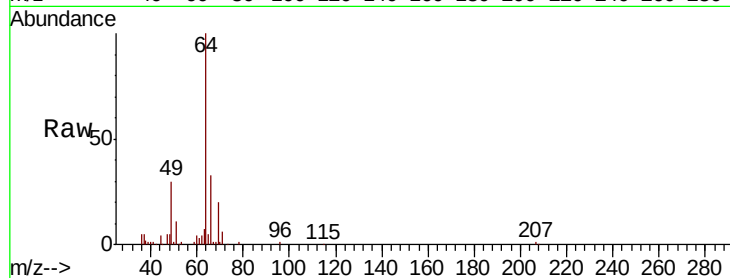




#8
Chloroethane
Concen: 24.869 ug/L
RT: 2.80 min Scan# 175
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

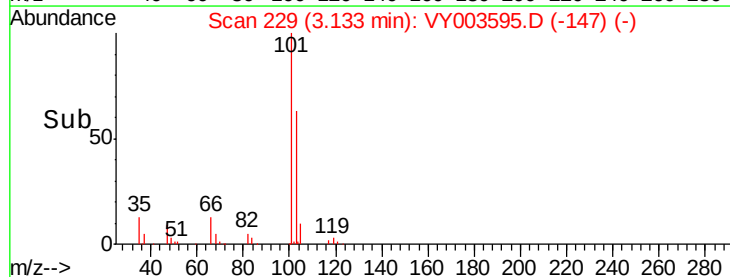
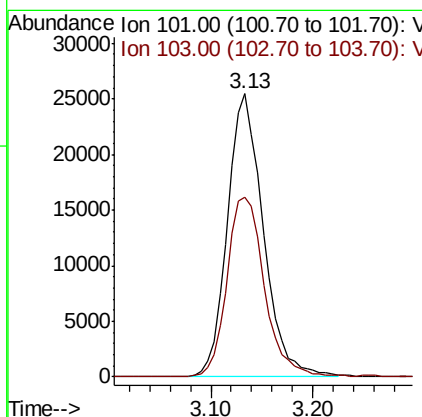
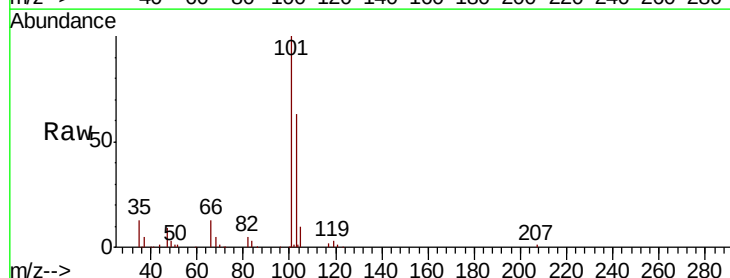
Instrument :
MSVOA_Y
ClientSampleId :

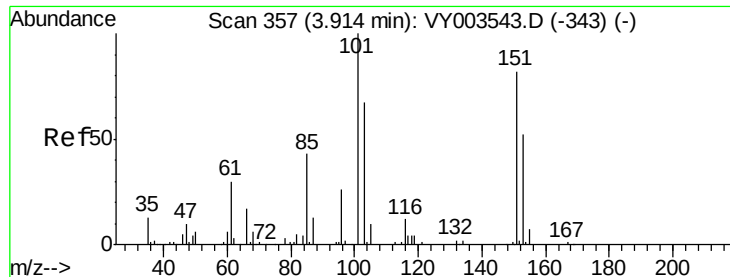
Tot Ion: 64 Resp: 44037
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 24.836 ug/L
RT: 3.13 min Scan# 229
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion: 101 Resp: 62082
Ion Ratio Lower Upper
101 100
103 66.2 45.6 84.6





#11

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

Concen: 25.974 ug/L

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

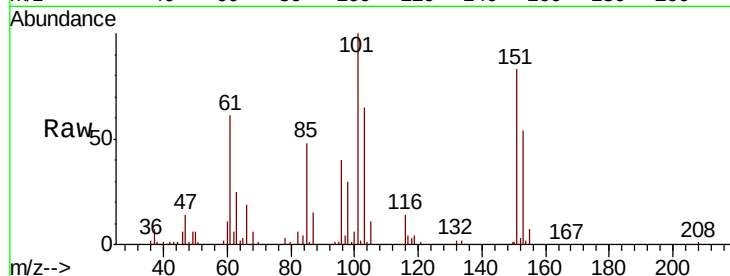
Tot Ion:101 Resp: 67324

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.4

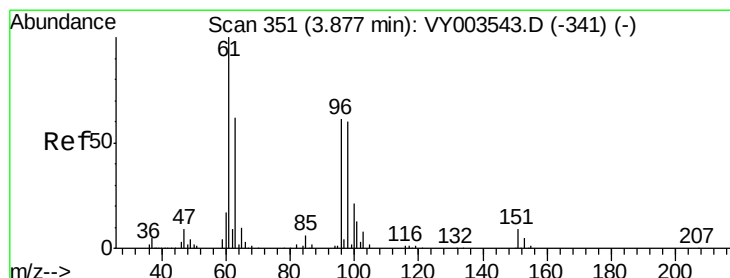
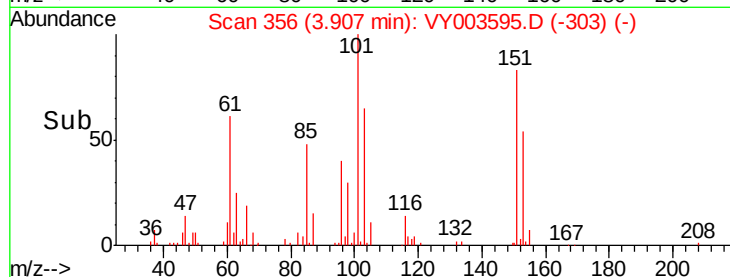
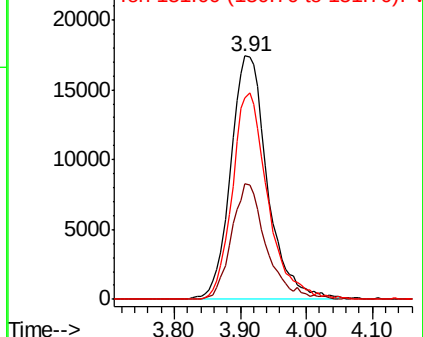
151 81.2 65.4 98.0



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

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

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



#12

1,1-Dichloroethene

Concen: 25.872 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

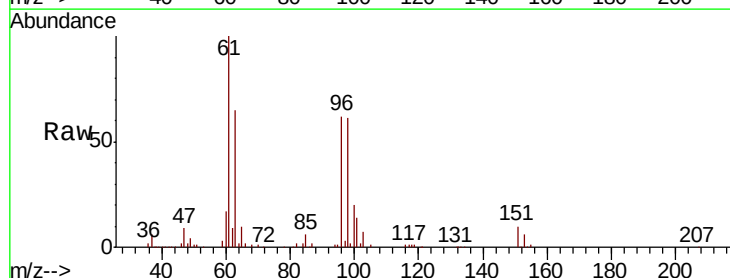
Tgt Ion: 96 Resp: 70137

Ion Ratio Lower Upper

96 100

61 160.6 116.6 216.6

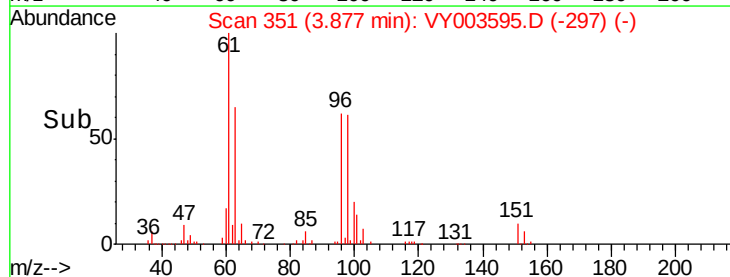
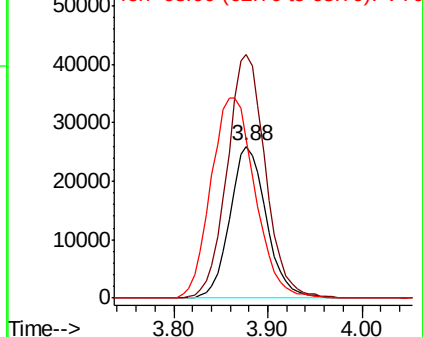
63 104.8 77.5 143.9

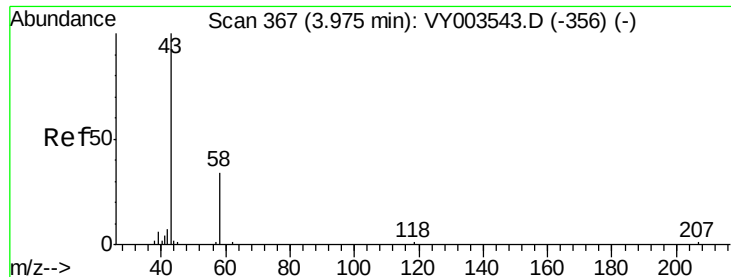


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

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

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





#13

Acetone

Concen: 46.798 ug/L

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

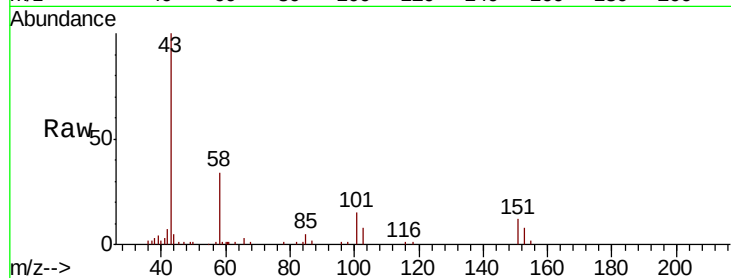
ClientSampleId :

Tot Ion: 43 Resp: 36547

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

12000

10000

8000

6000

4000

2000

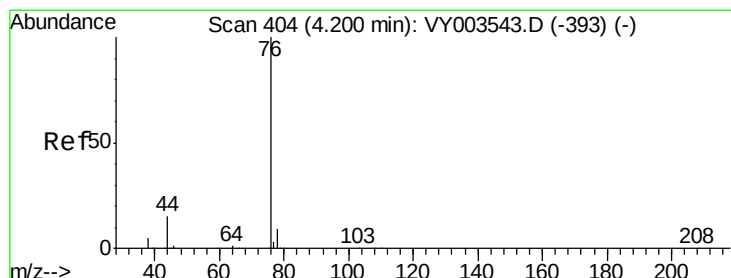
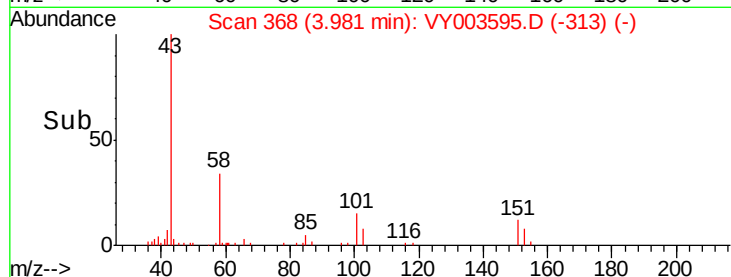
0

3.90

4.00

4.10

Time-->



#14

Carbon disulfide

Concen: 25.742 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003595.D

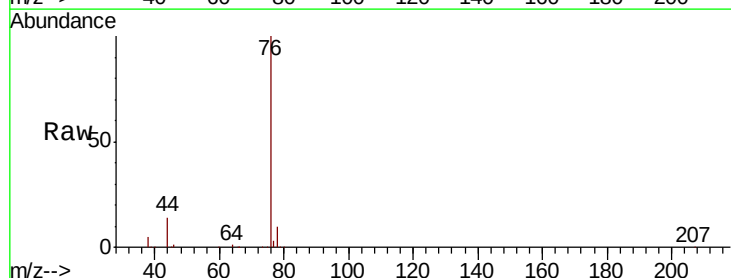
Acq: 24 Nov 2020 10:39

Tgt Ion: 76 Resp: 231200

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

80000

60000

40000

20000

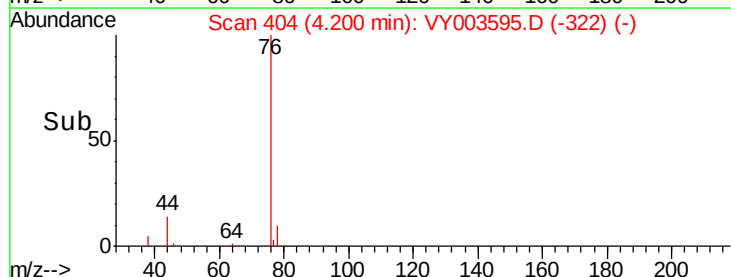
0

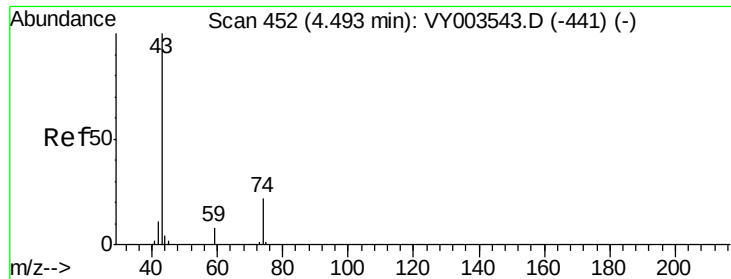
4.10

4.20

4.30

Time-->

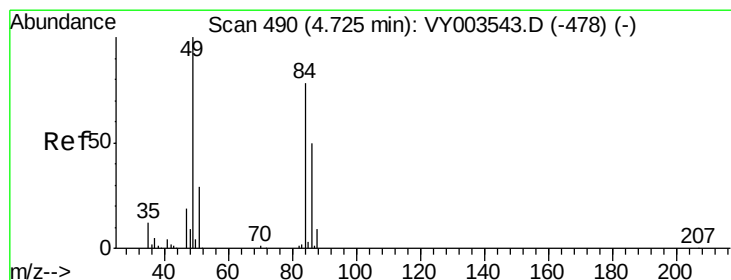
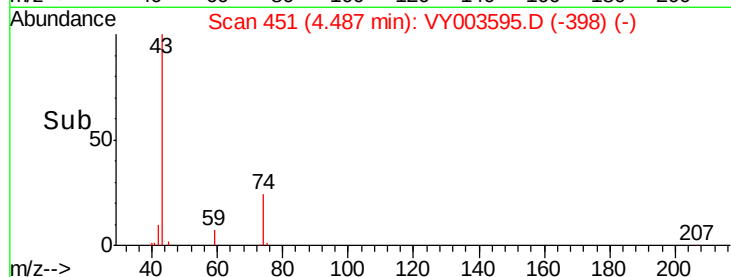
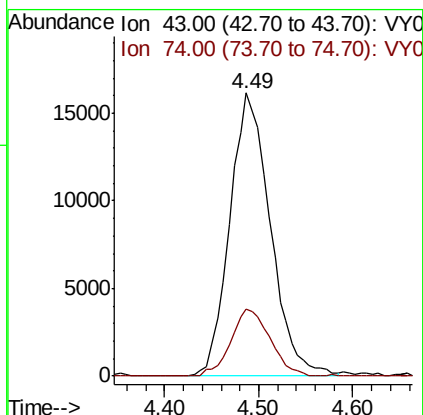
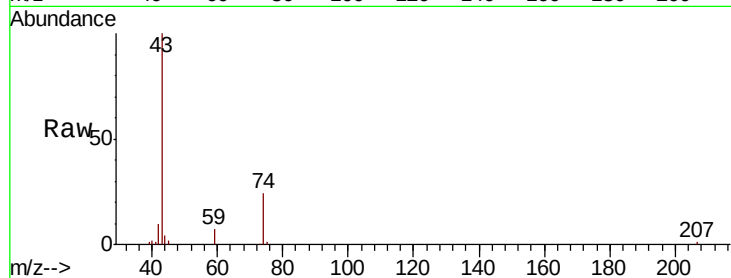




#15
Methyl Acetate
Concen: 24.258 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

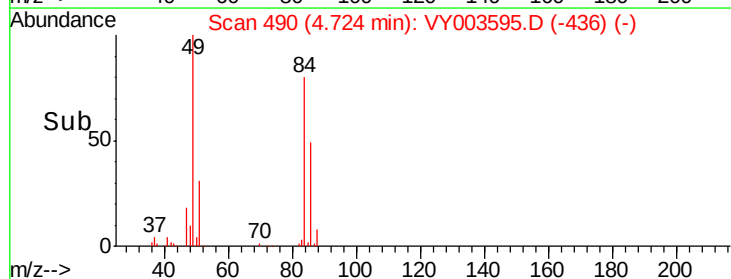
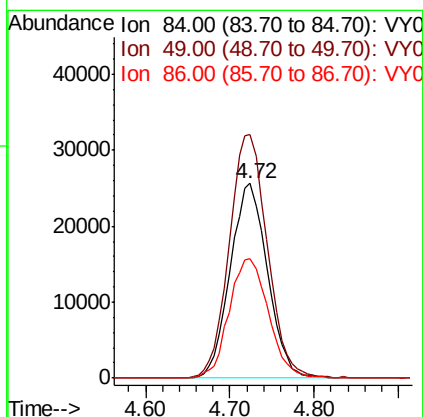
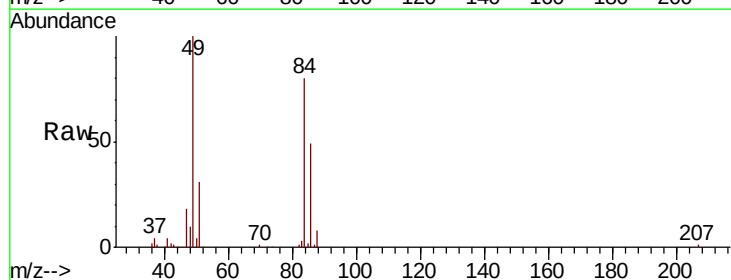
Instrument :
MSVOA_Y
ClientSampleId :

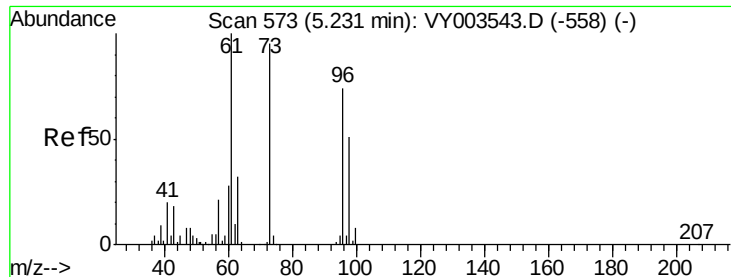
Tot Ion: 43 Resp: 48083
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 22.992 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion: 84 Resp: 77149
Ion Ratio Lower Upper
84 100
49 125.1 90.3 167.7
86 61.1 44.7 83.1

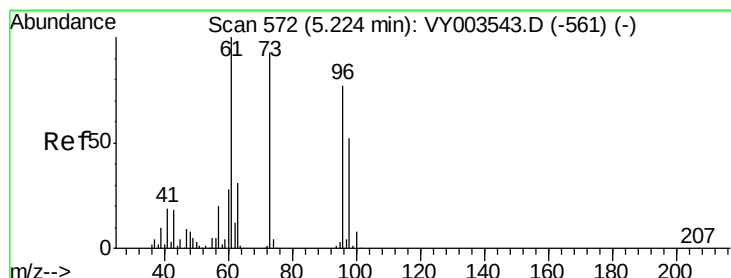
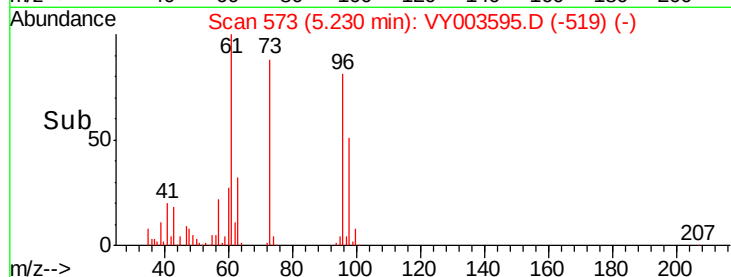
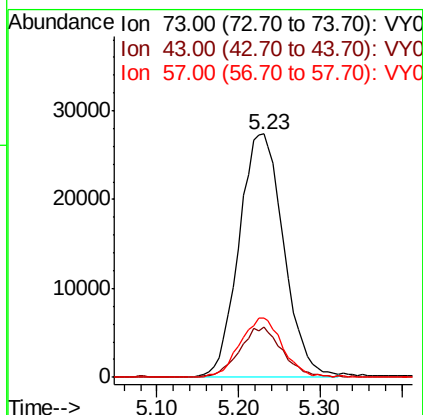
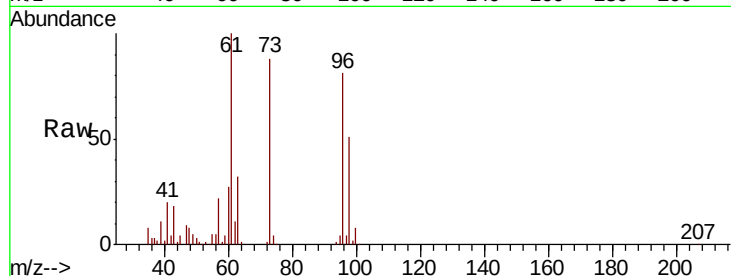




#17
Methyl tert-butyl Ether
Concen: 24.587 ug/L
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

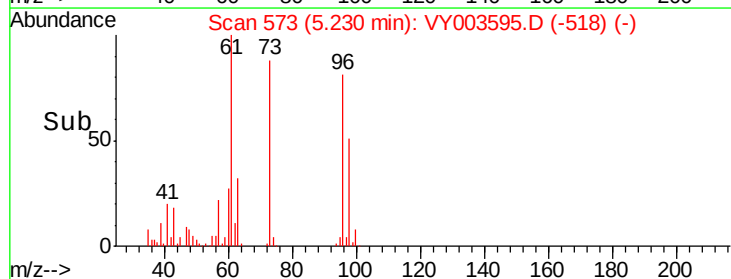
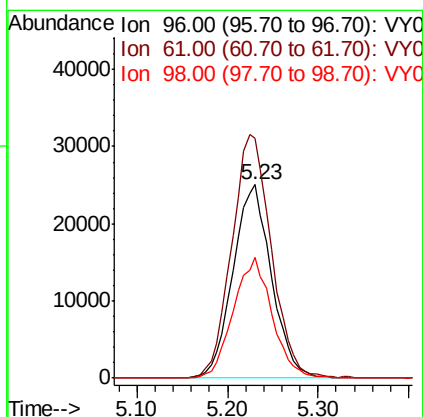
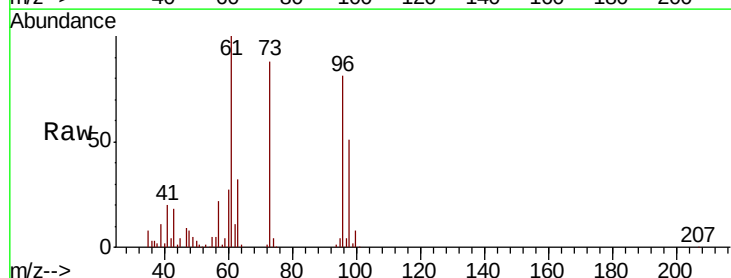
Instrument :
MSVOA_Y
ClientSampleId :

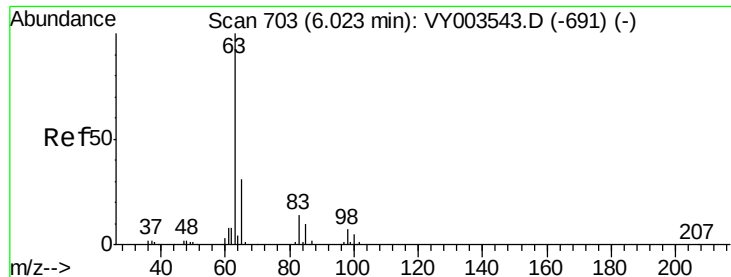
Tot Ion: 73 Resp: 104144
Ion Ratio Lower Upper
73 100
43 19.7 15.9 23.9
57 23.2 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 25.885 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion: 96 Resp: 73955
Ion Ratio Lower Upper
96 100
61 123.7 90.8 168.6
98 62.6 46.8 87.0

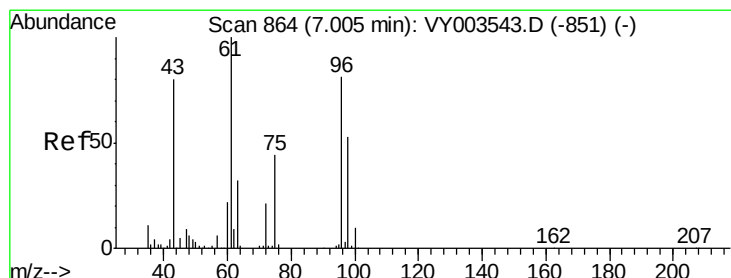
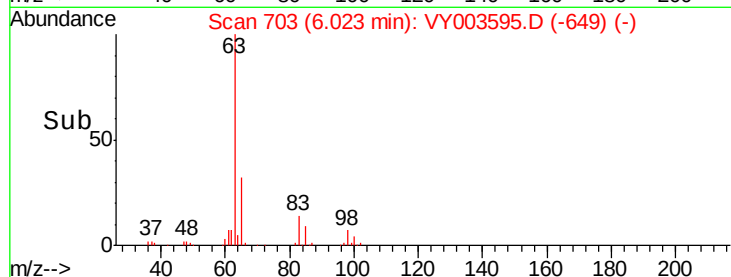
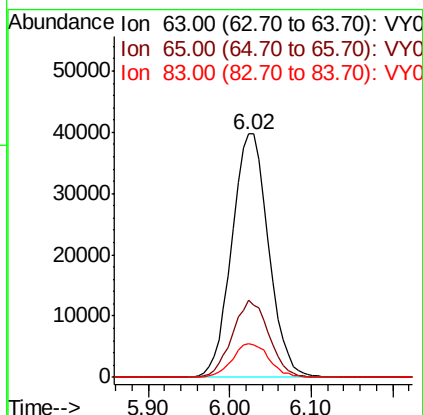
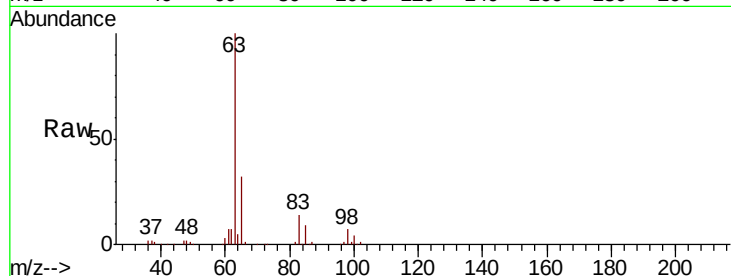




#19
 1,1-Dichloroethane
 Concen: 25.697 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

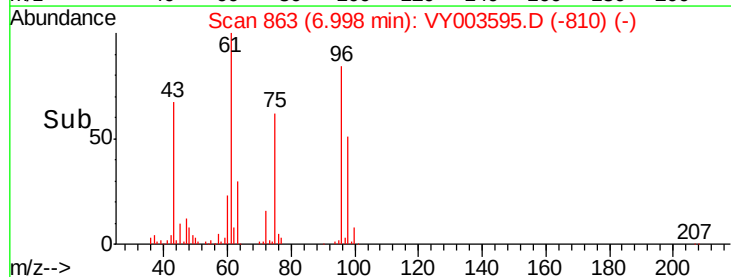
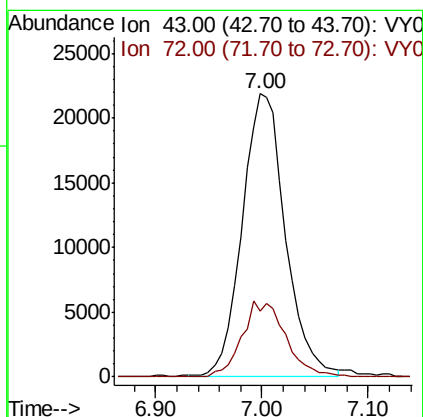
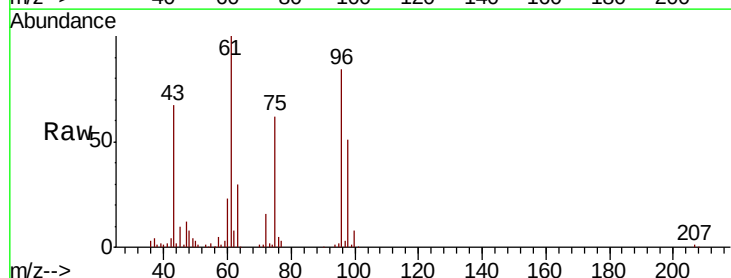
Instrument :
 MSVOA_Y
 ClientSampled :

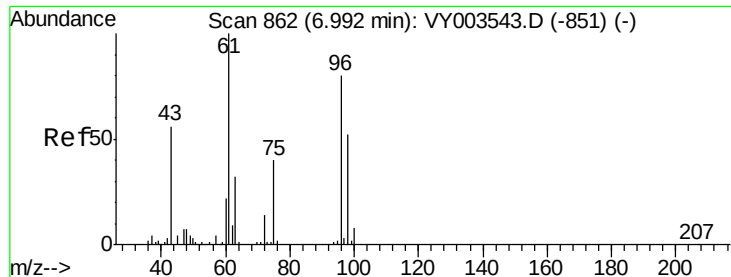
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.0	40.8
83	13.9	9.9	18.5



#21
 2-Butanone
 Concen: 47.343 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	12.6	13.2	39.6#

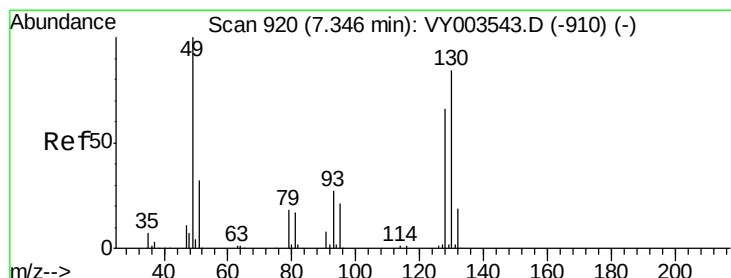
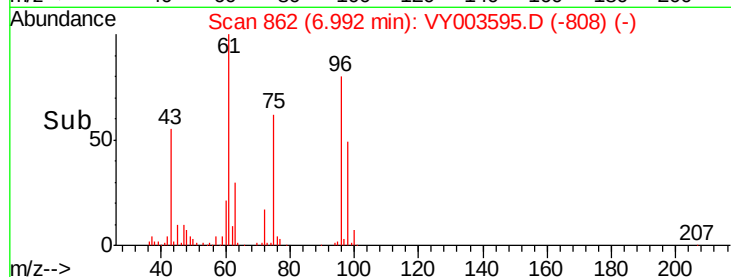
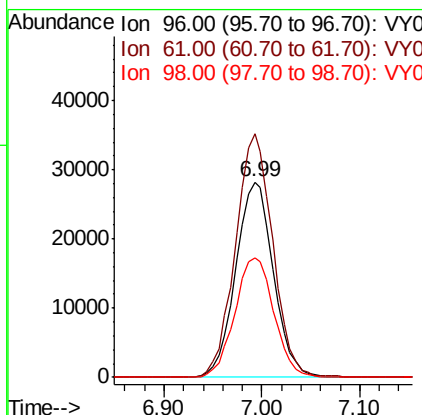
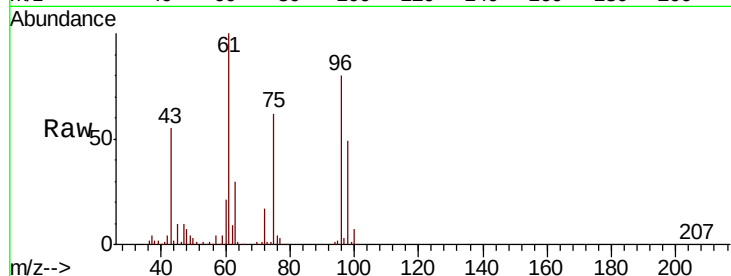




#22
 cis-1,2-Dichloroethene
 Concen: 25.732 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

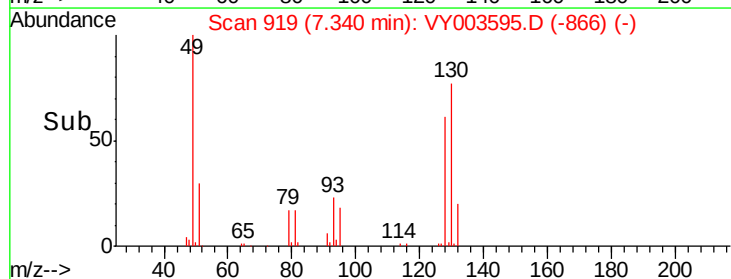
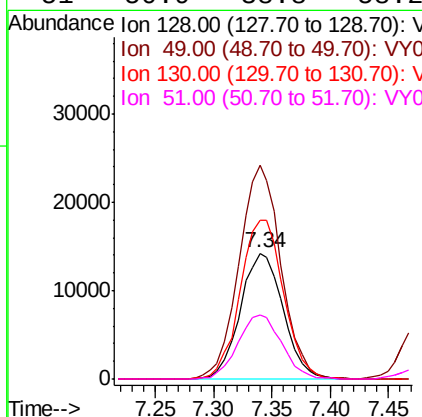
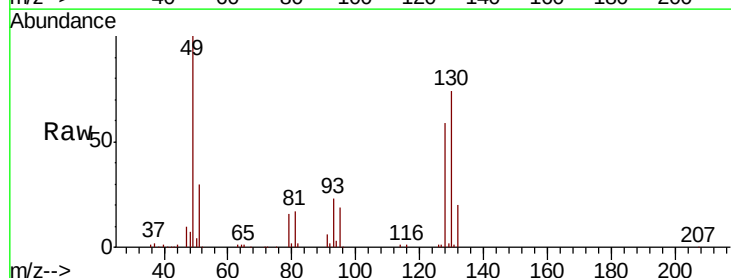
Instrument :
 MSVOA_Y
 ClientSampleId :

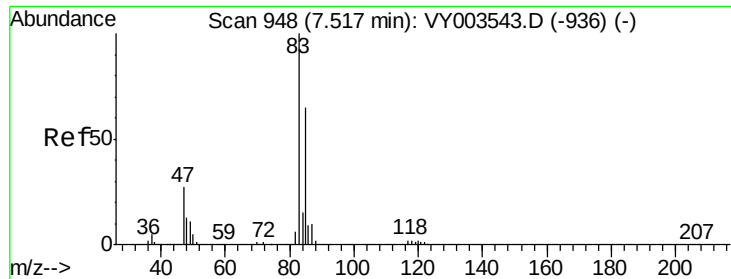
Tot Ion: 96 Resp: 75508
 Ion Ratio Lower Upper
 96 100
 61 124.8 88.1 163.5
 98 61.2 45.6 84.6



#23
 Bromochloromethane
 Concen: 25.708 ug/L
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion: 128 Resp: 36530
 Ion Ratio Lower Upper
 128 100
 49 169.4 107.3 199.3
 130 126.0 89.3 165.9
 51 50.9 38.8 58.2





#25

Chloroform

Concen: 25.718 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

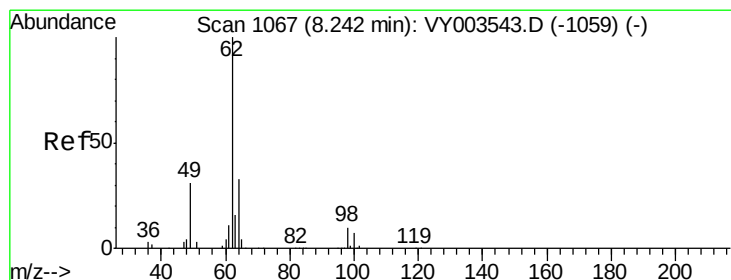
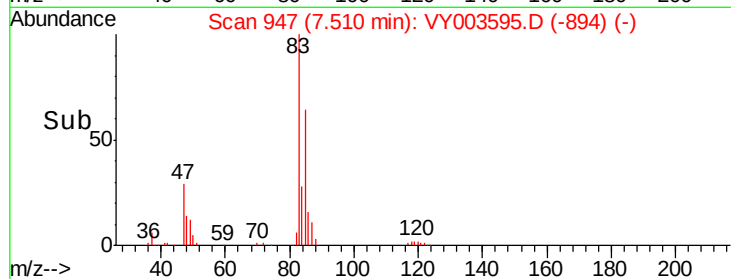
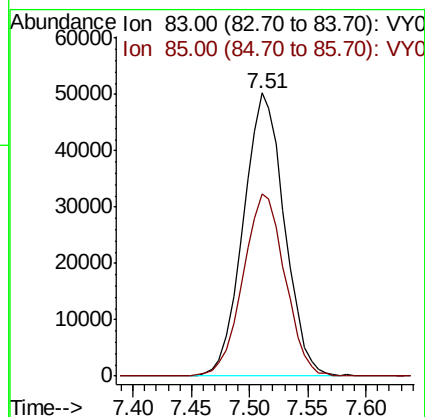
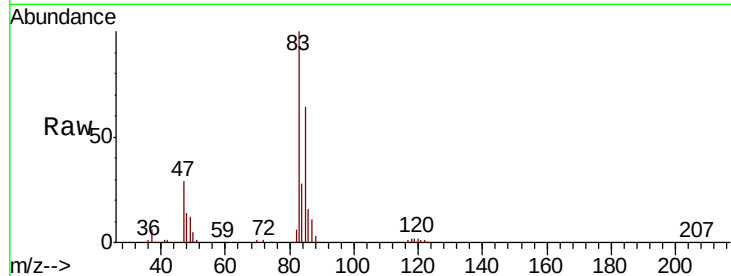
ClientSampled :

Tot Ion: 83 Resp: 123392

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 24.537 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003595.D

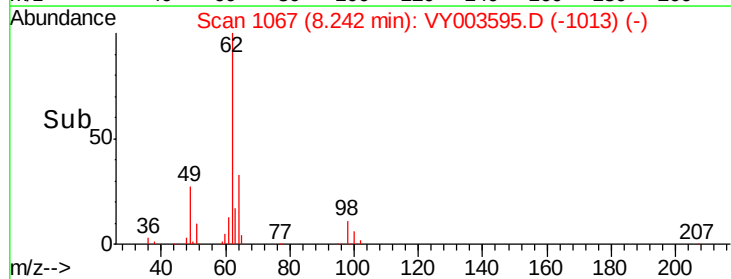
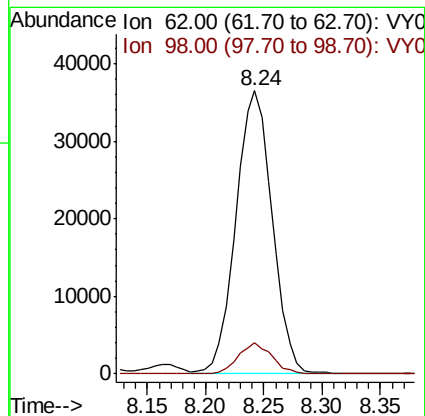
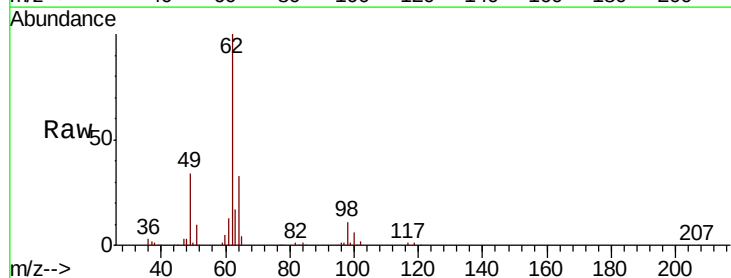
Acq: 24 Nov 2020 10:39

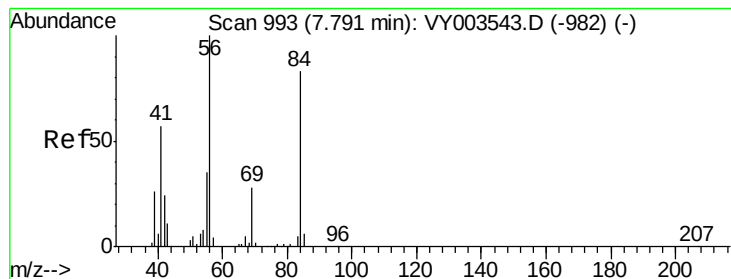
Tgt Ion: 62 Resp: 79526

Ion Ratio Lower Upper

62 100

98 10.8 7.7 11.5





#30

Cyclohexane

Concen: 25.023 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

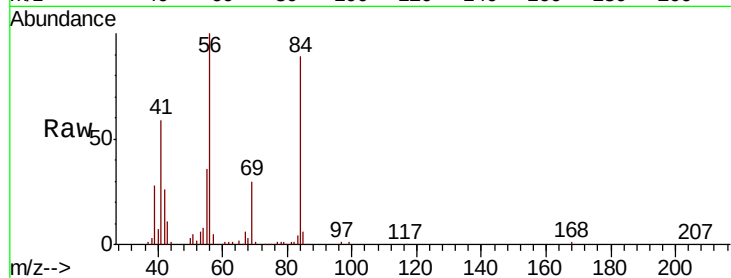
Tot Ion: 56 Resp: 109352

Ion Ratio Lower Upper

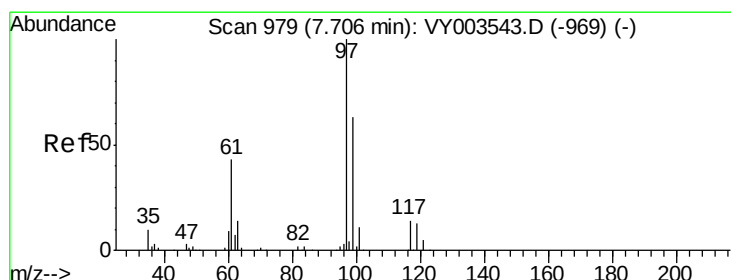
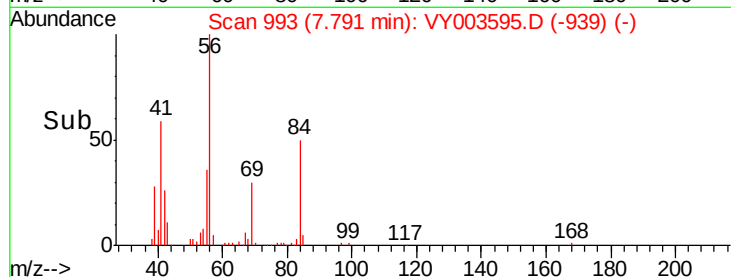
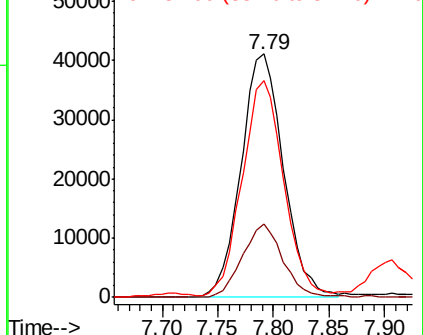
56 100

69 28.5 23.3 34.9

84 85.7 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: 24.820 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

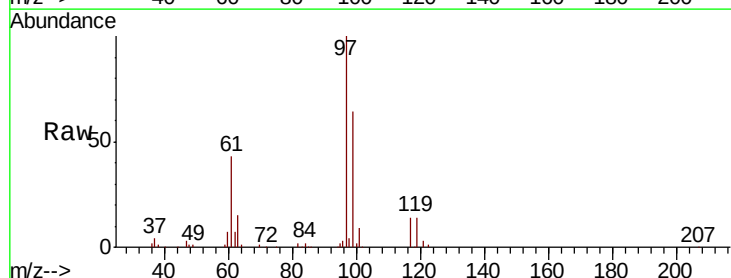
Tgt Ion: 97 Resp: 97048

Ion Ratio Lower Upper

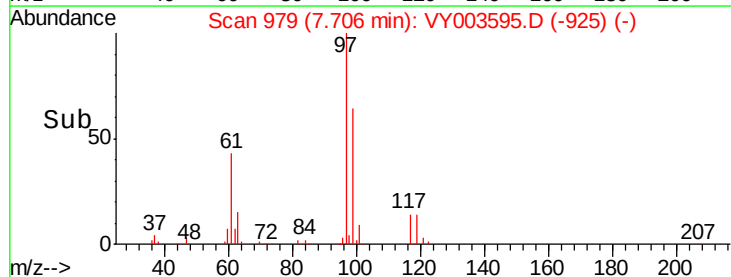
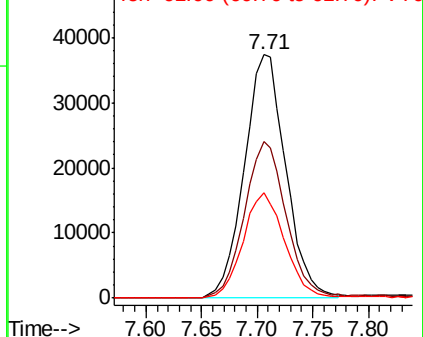
97 100

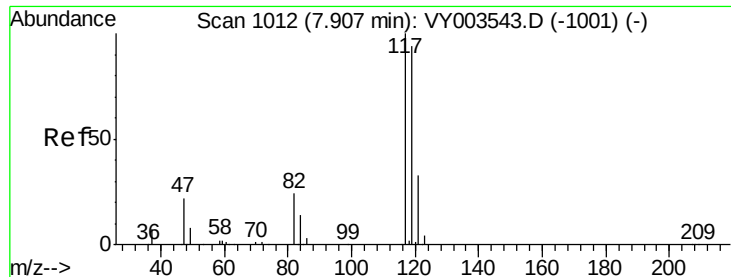
99 64.5 52.1 78.1

61 43.3 34.9 52.3



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: 25.269 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

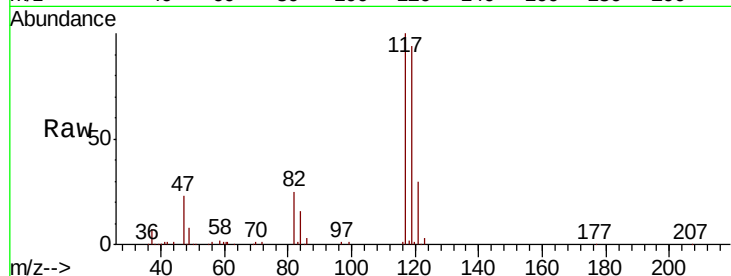
ClientSampleId :

Tot Ion:117 Resp: 93906

Ion Ratio Lower Upper

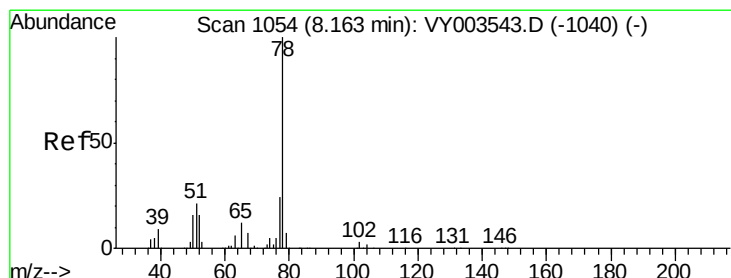
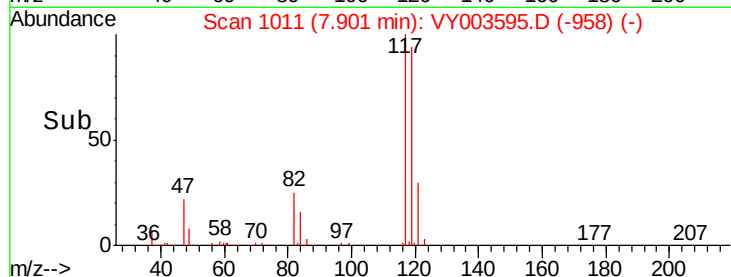
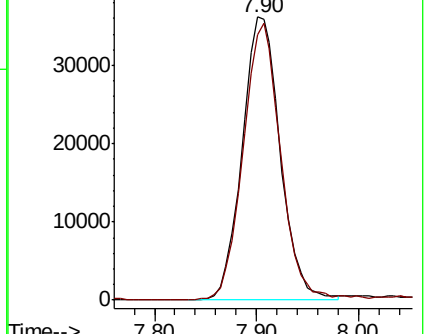
117 100

119 96.1 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.712 ug/L

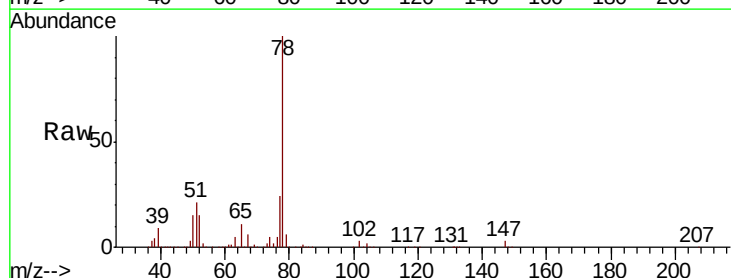
RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

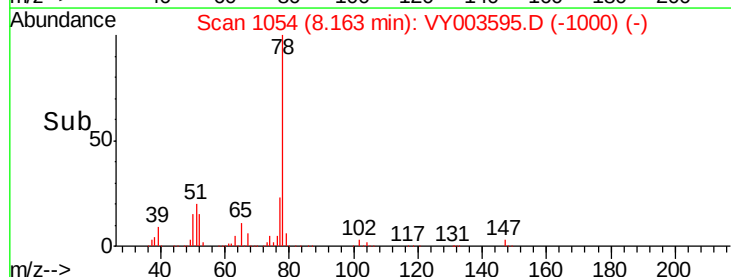
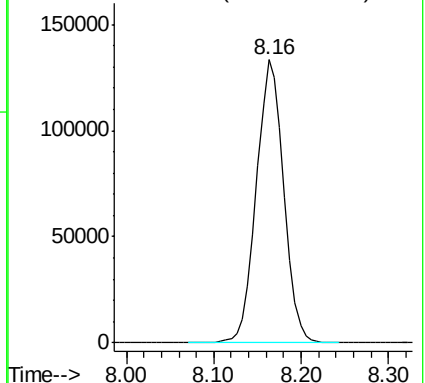
Lab File: VY003595.D

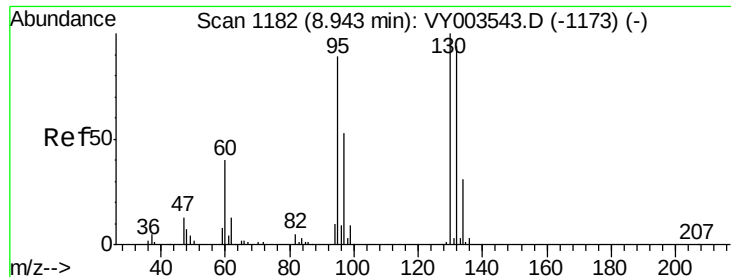
Acq: 24 Nov 2020 10:39

Tgt Ion: 78 Resp: 291506



Abundance Ion 78.00 (77.70 to 78.70): VY0

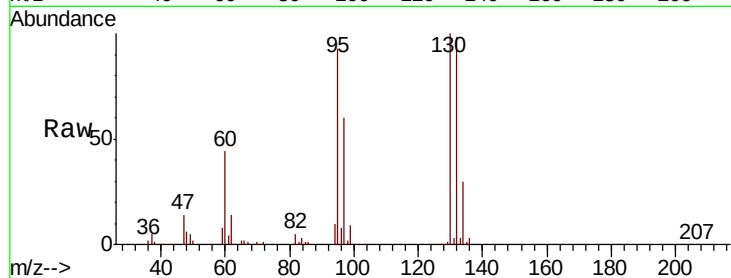




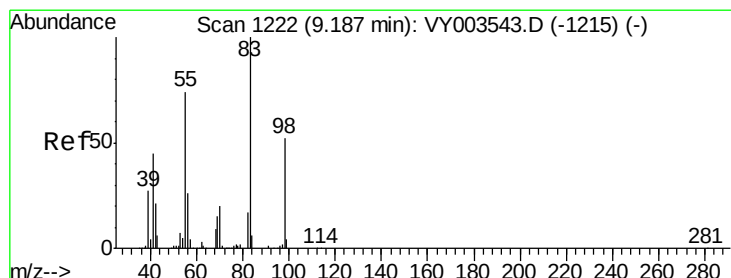
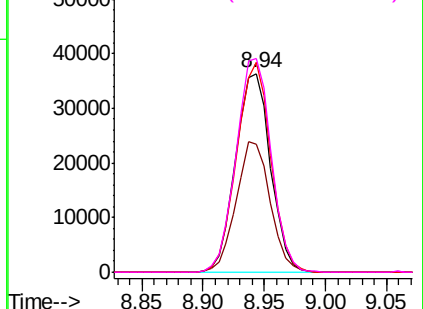
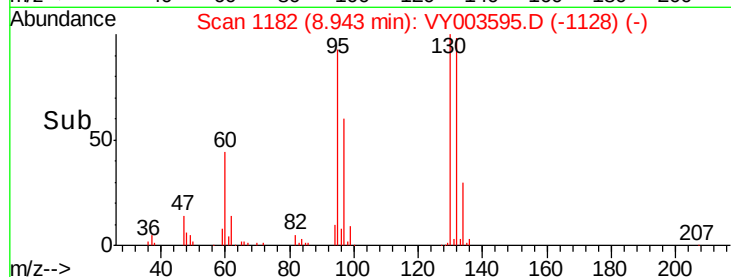
#35
 Trichloroethene
 Concen: 25.059 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 95 Resp: 71943
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.5 82.7
 132 103.6 73.1 135.7
 130 108.3 76.1 141.3

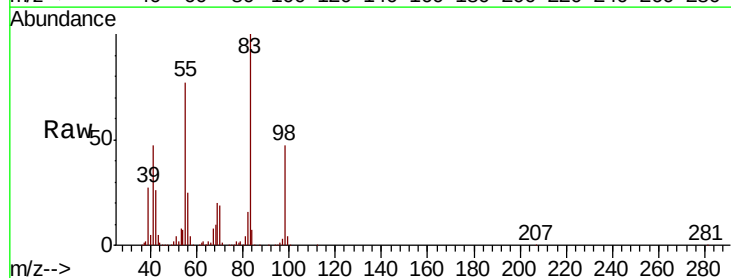


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

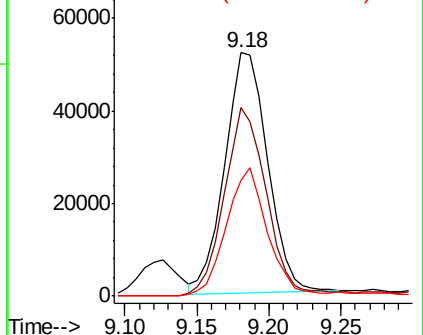
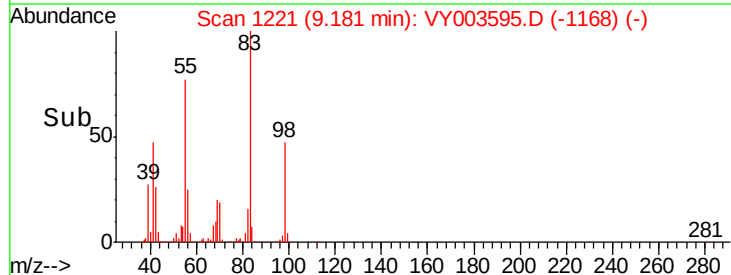


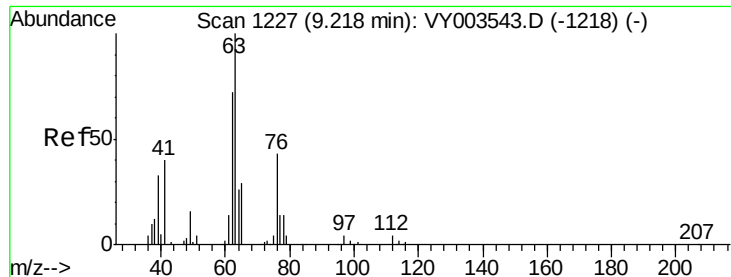
#36
 Methylcyclohexane
 Concen: 24.079 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion: 83 Resp: 108068
 Ion Ratio Lower Upper
 83 100
 55 77.4 60.8 91.2
 98 51.1 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

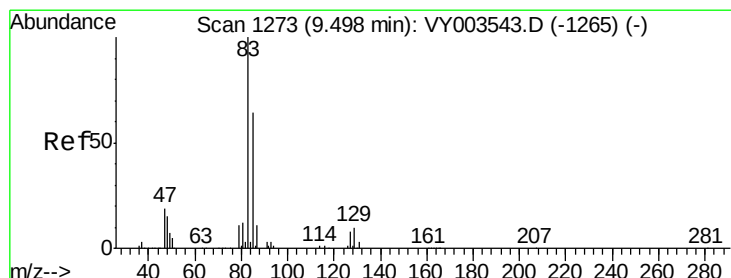
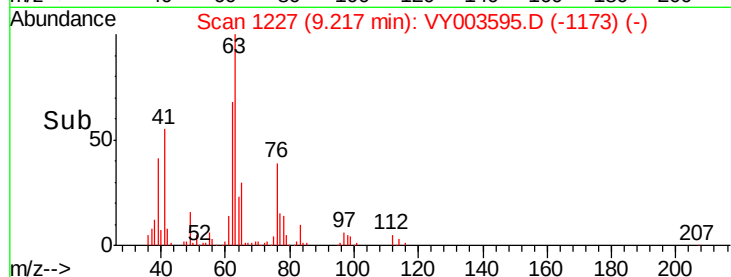
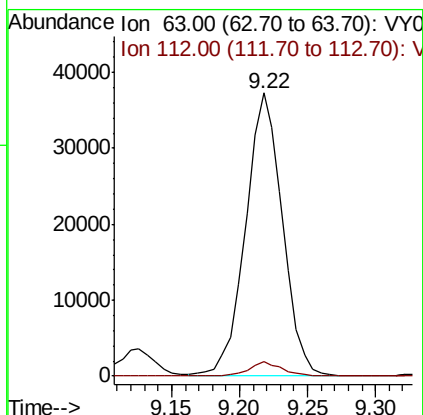
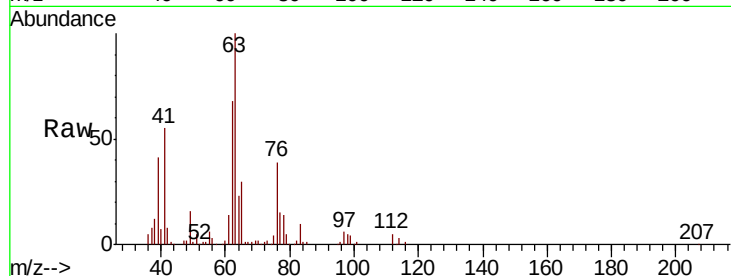




#40
 1,2-Dichloropropane
 Concen: 25.386 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

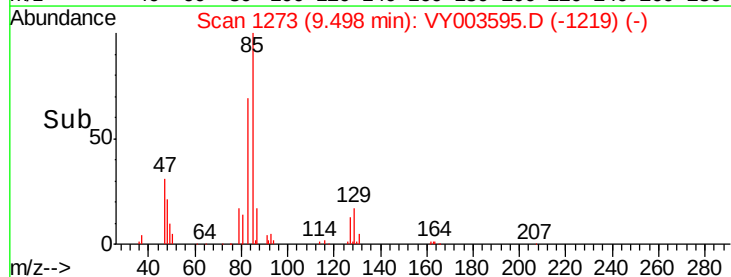
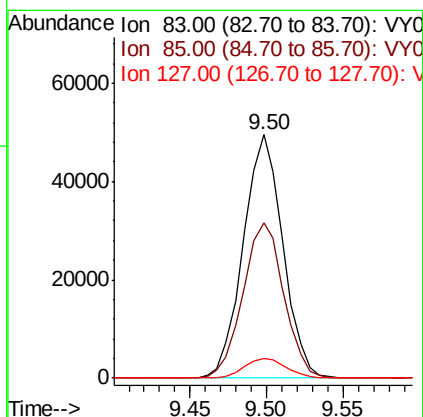
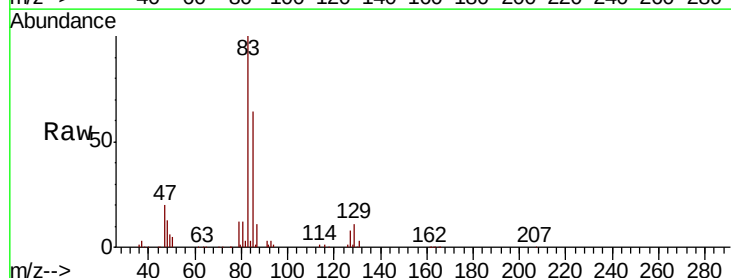
Instrument :
 MSVOA_Y
 ClientSampleId :

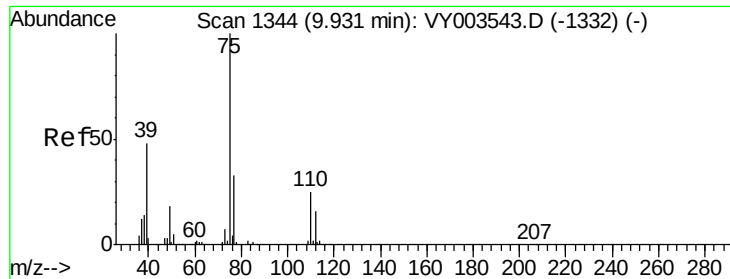
Tot Ion: 63 Resp: 70960
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.002 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion: 83 Resp: 89203
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.7
 127 8.2 6.8 10.2



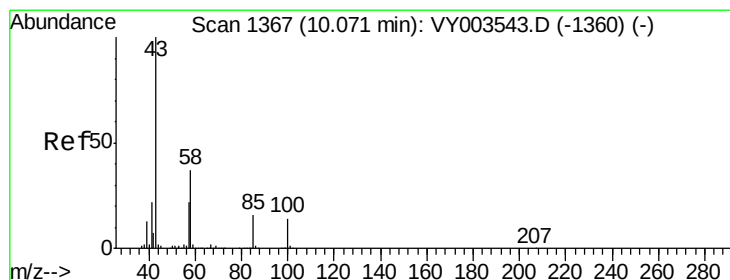
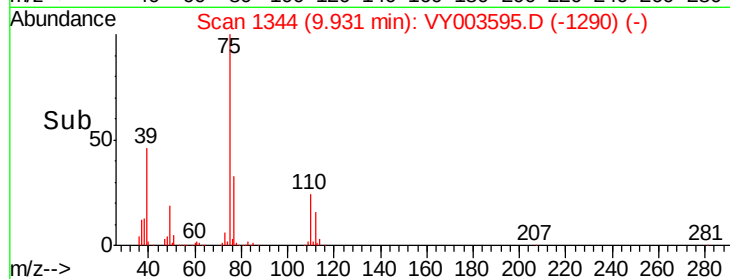
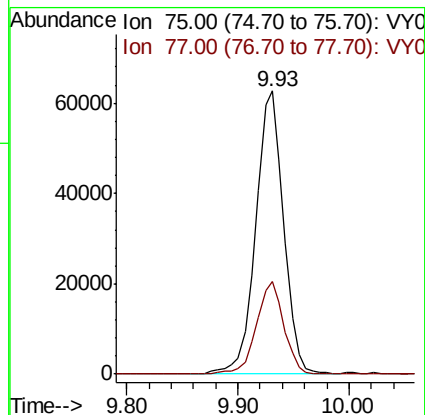
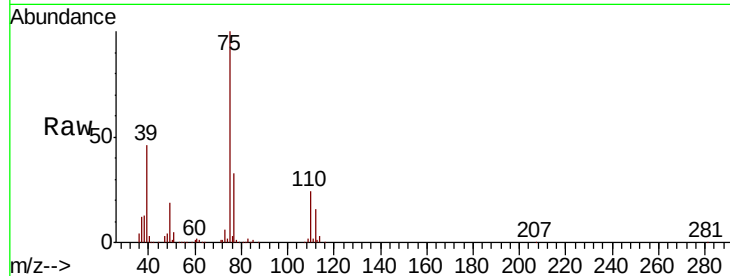


#42

cis-1,3-Dichloropropene
 Concen: 24.820 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :

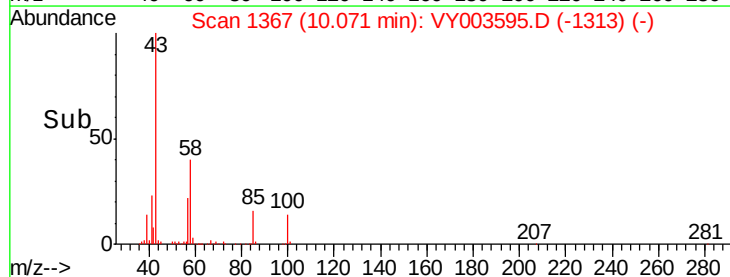
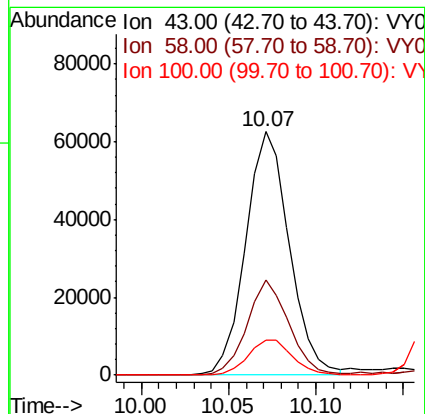
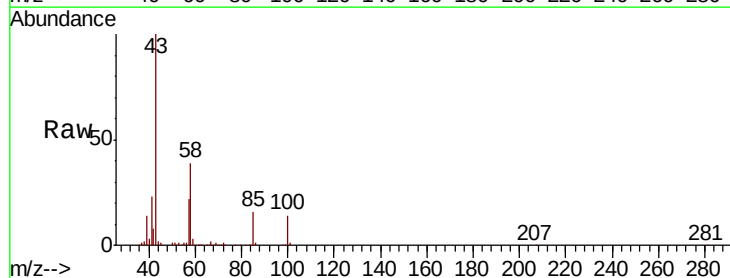
Tot Ion: 75 Resp: 109407
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.2 43.0

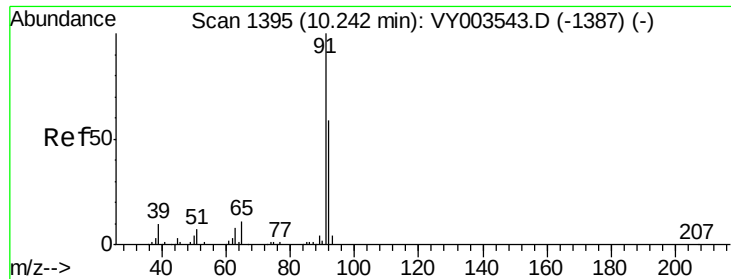


#43

4-Methyl-2-pentanone
 Concen: 46.320 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion: 43 Resp: 108338
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.2 45.2
 100 14.9 11.7 17.5





#44

Toluene

Concen: 25.345 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

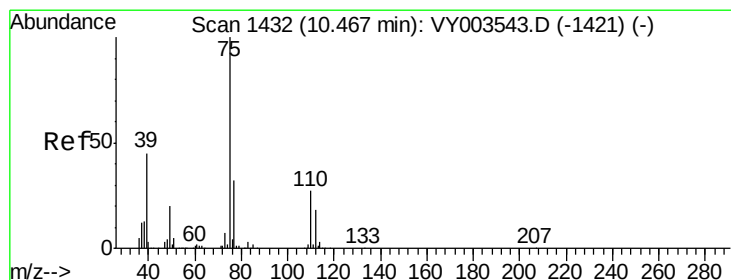
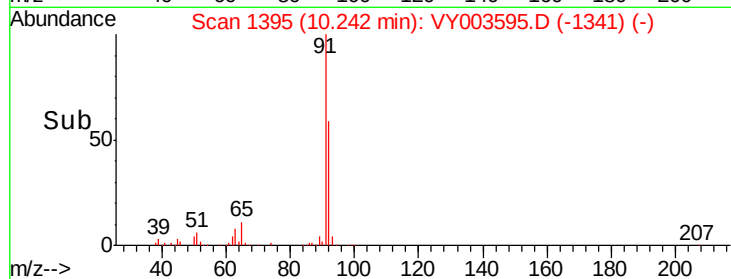
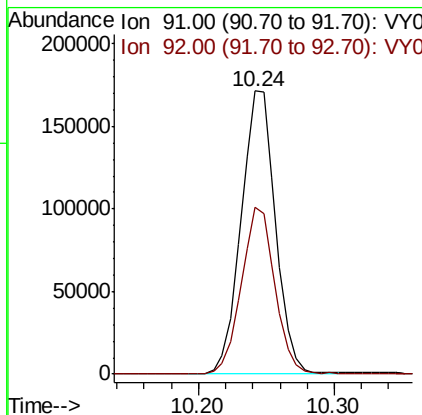
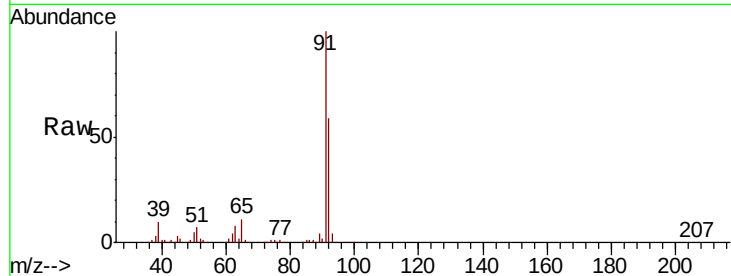
ClientSampleId :

Tot Ion: 91 Resp: 302840

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 25.307 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003595.D

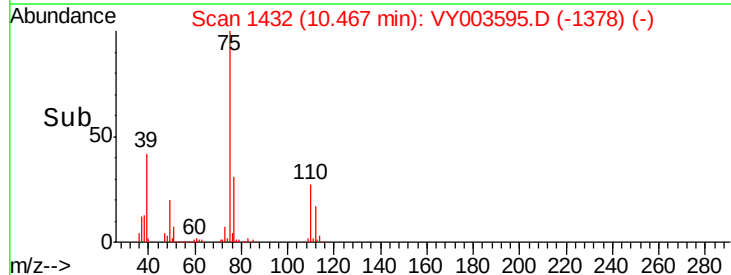
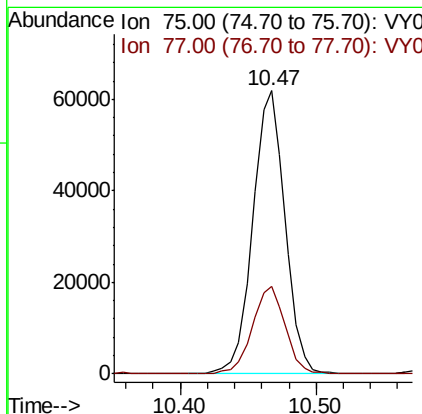
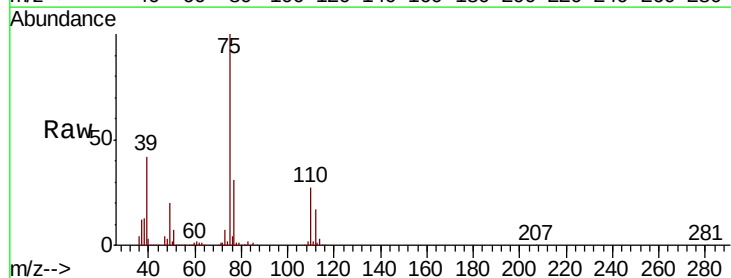
Acq: 24 Nov 2020 10:39

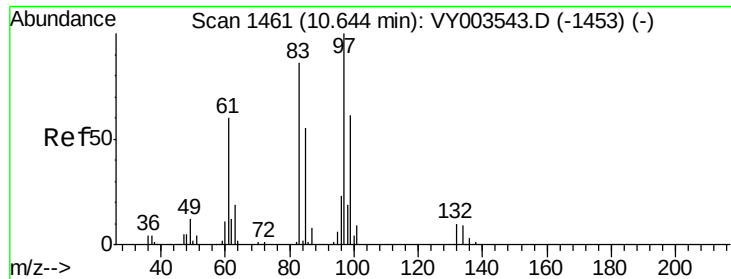
Tgt Ion: 75 Resp: 102752

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1

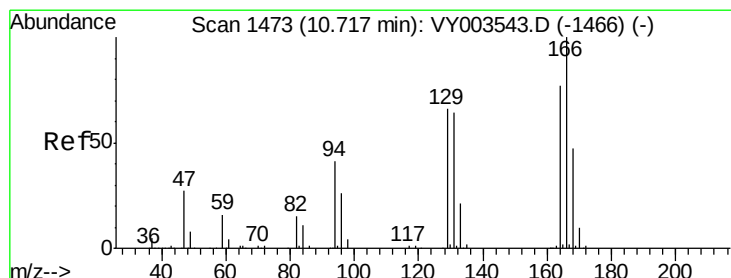
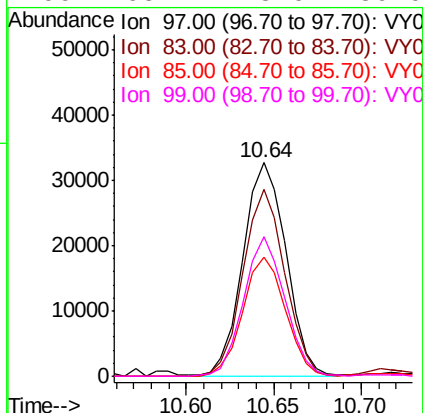
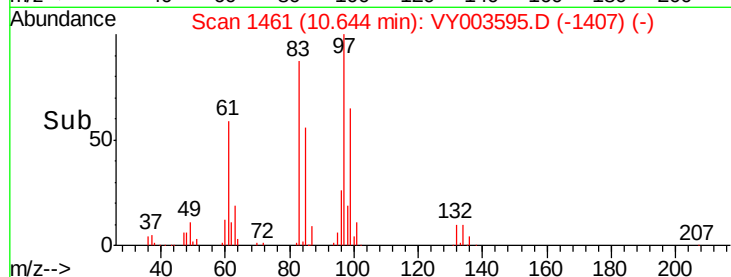
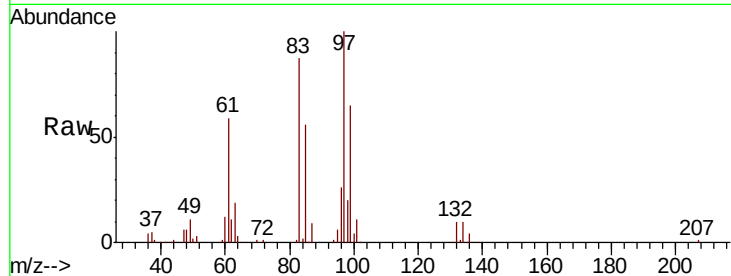




#46
1,1,2-Trichloroethane
Concen: 25.195 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

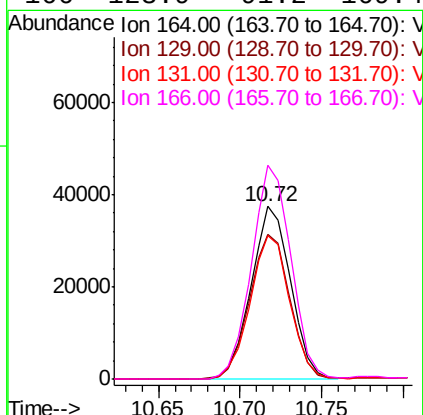
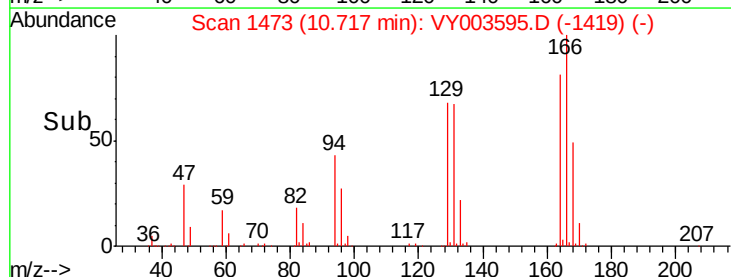
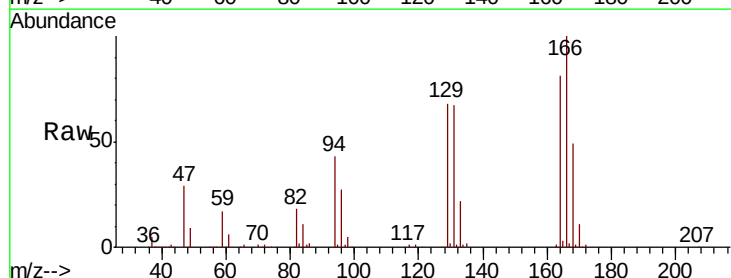
Instrument :
MSVOA_Y
ClientSampleId :

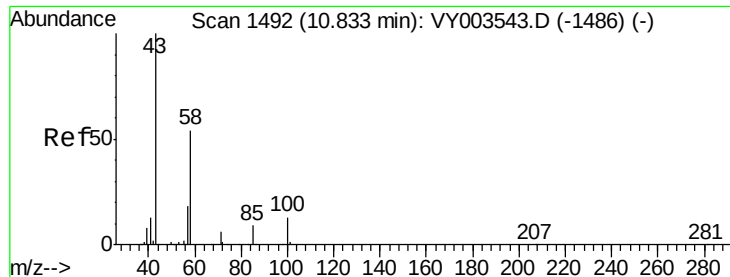
Tot Ion: 97 Resp: 56270
Ion Ratio Lower Upper
97 100
83 87.4 60.1 111.5
85 55.6 38.9 72.2
99 65.2 43.0 80.0



#47
Tetrachloroethene
Concen: 25.233 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion: 164 Resp: 62976
Ion Ratio Lower Upper
164 100
129 84.1 60.6 112.6
131 83.4 58.7 109.1
166 123.9 91.2 169.4

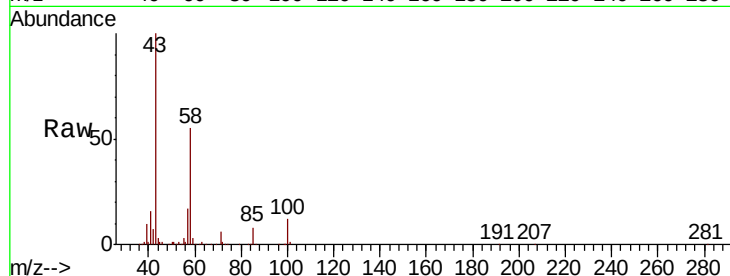




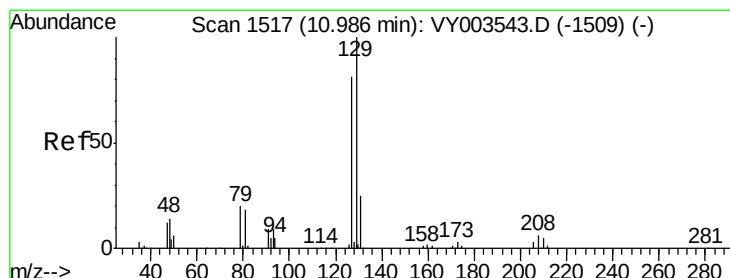
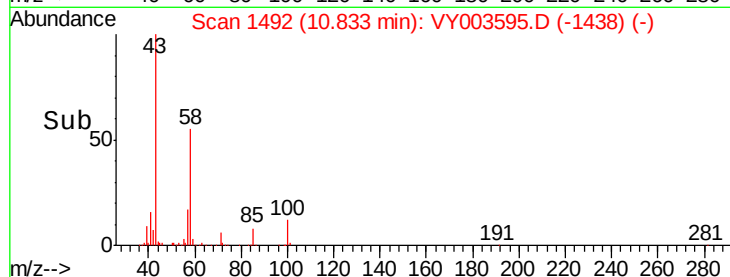
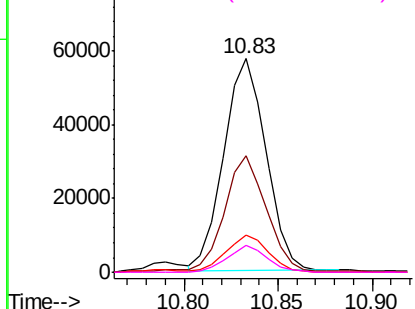
#49
2-Hexanone
Concen: 48.404 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 89424
Ion Ratio Lower Upper
43 100
58 53.0 42.1 63.1
57 17.5 14.2 21.2
100 12.0 9.5 14.3

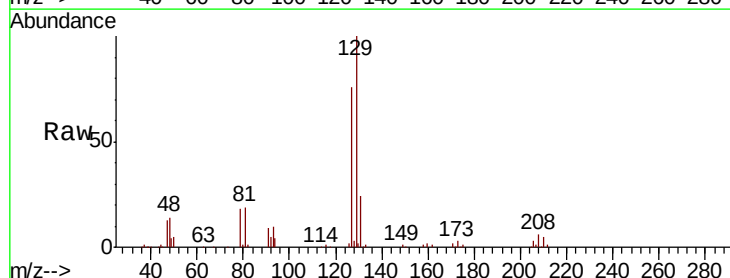


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

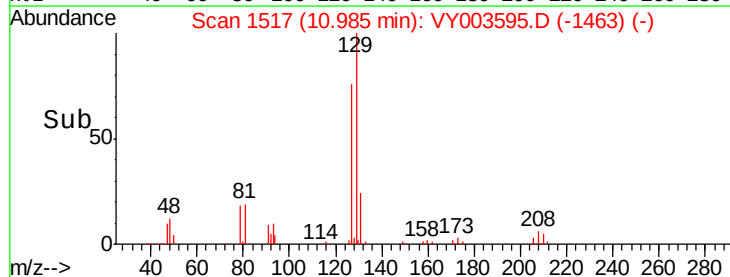
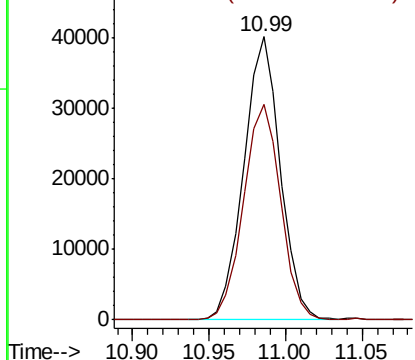


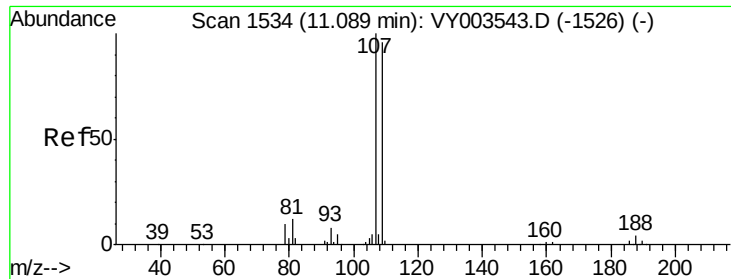
#50
Dibromochloromethane
Concen: 24.747 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion: 129 Resp: 66643
Ion Ratio Lower Upper
129 100
127 76.0 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

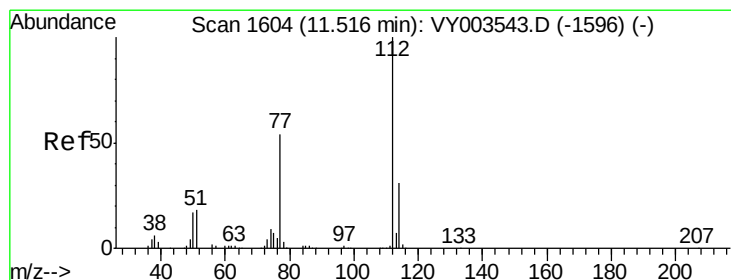
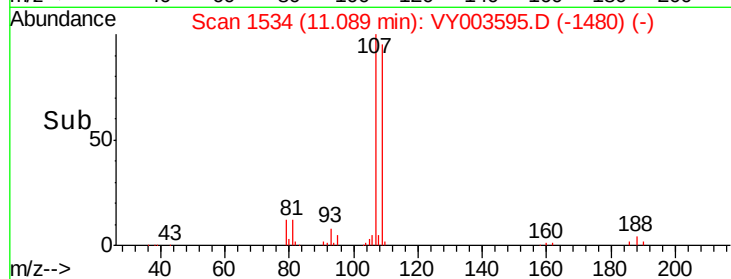
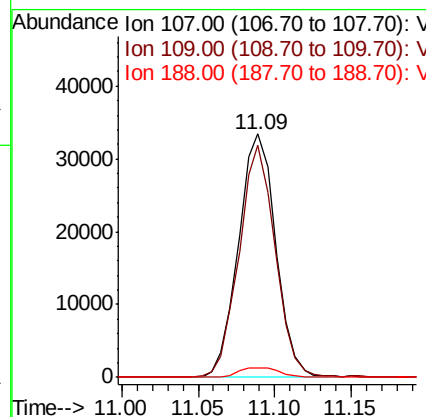
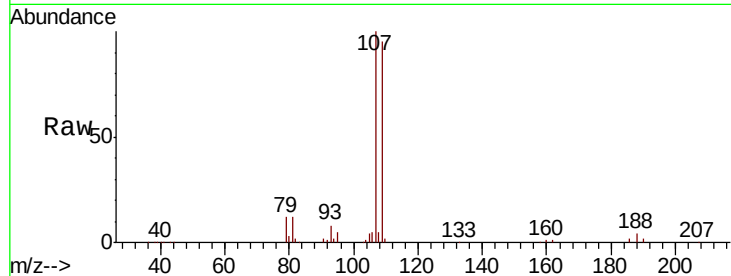




#51
 1,2-Dibromoethane
 Concen: 25.403 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

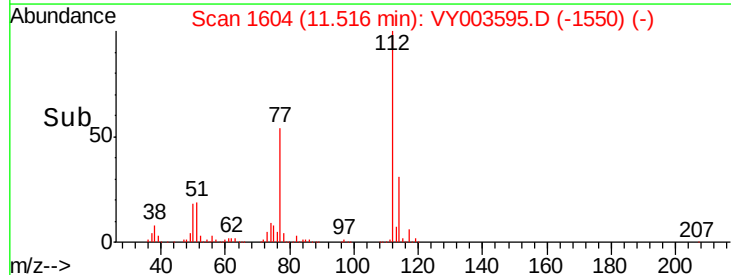
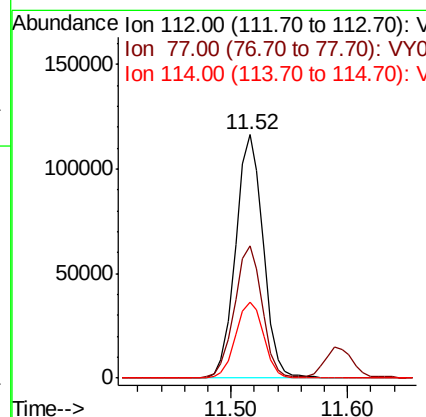
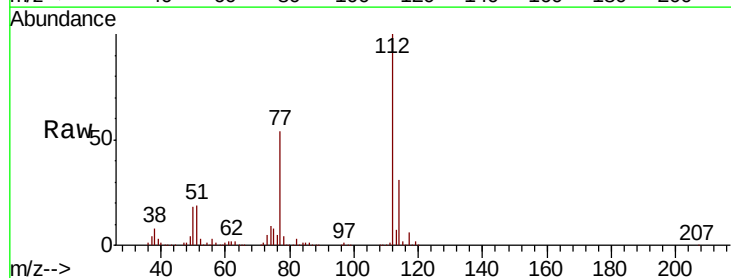
Instrument :
 MSVOA_Y
 ClientSampleId :

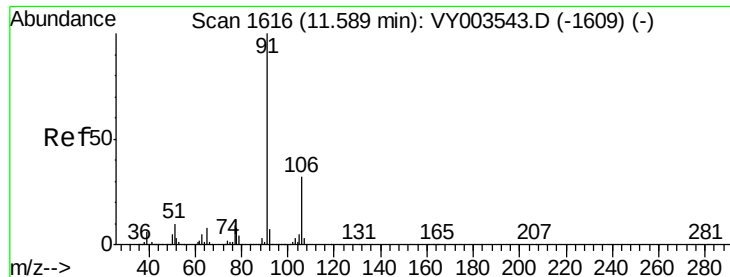
Tot Ion:107 Resp: 56545
 Ion Ratio Lower Upper
 107 100
 109 95.1 66.8 124.2
 188 3.6 3.3 4.9



#52
 Chlorobenzene
 Concen: 25.081 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion:112 Resp: 191416
 Ion Ratio Lower Upper
 112 100
 77 54.4 43.3 64.9
 114 31.0 21.9 40.7





#53

Ethylbenzene

Concen: 24.673 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

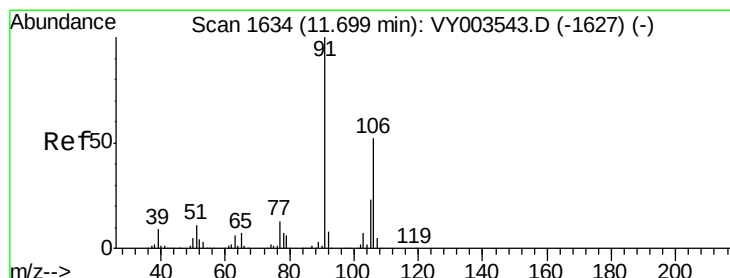
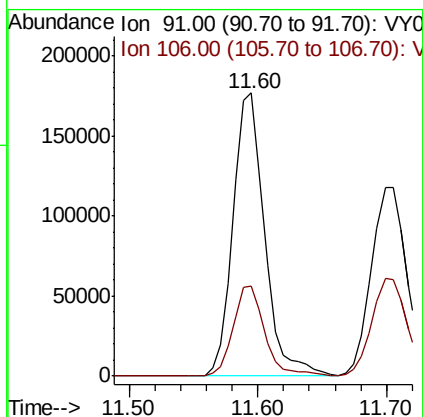
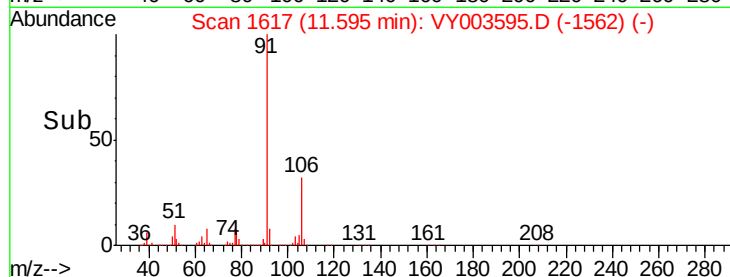
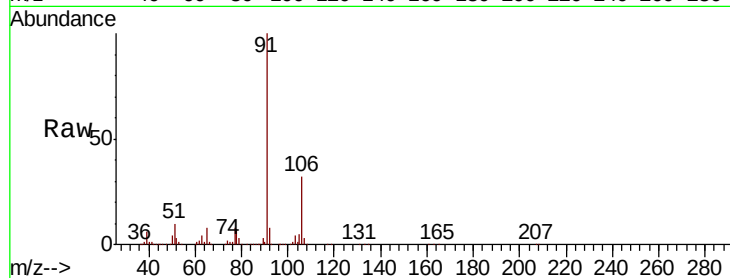
ClientSampleId :

Tot Ion: 91 Resp: 302852

Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.7



#54

m,p-Xylene

Concen: 24.771 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003595.D

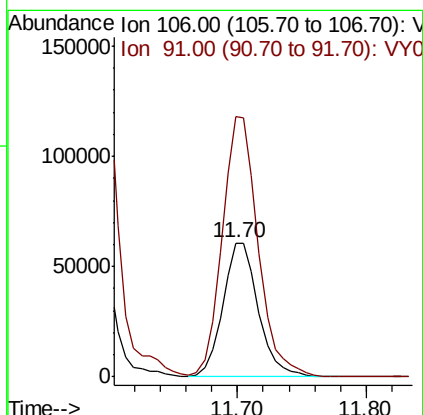
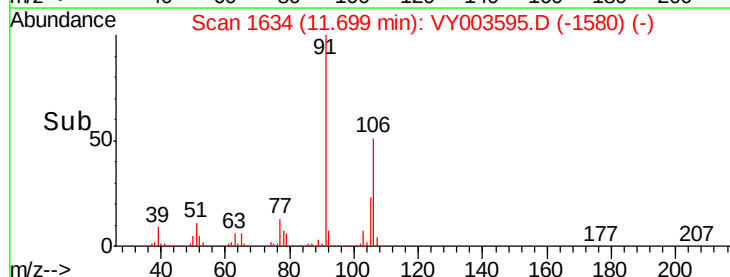
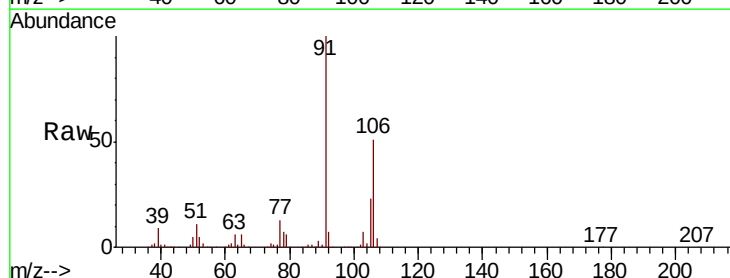
Acq: 24 Nov 2020 10:39

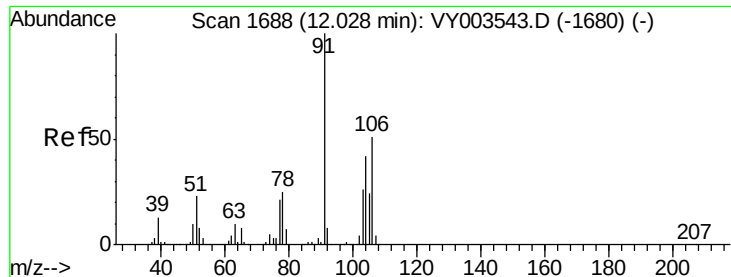
Tgt Ion: 106 Resp: 117038

Ion Ratio Lower Upper

106 100

91 194.7 135.6 251.8

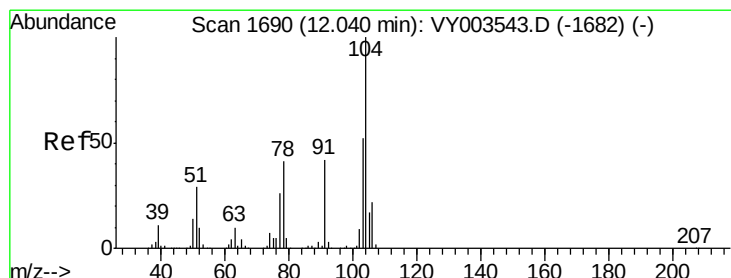
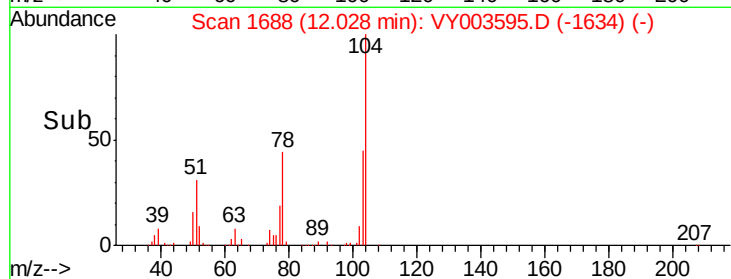
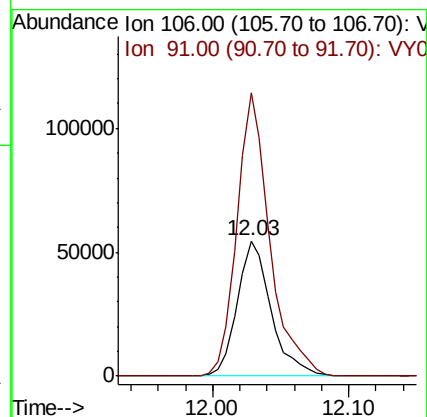
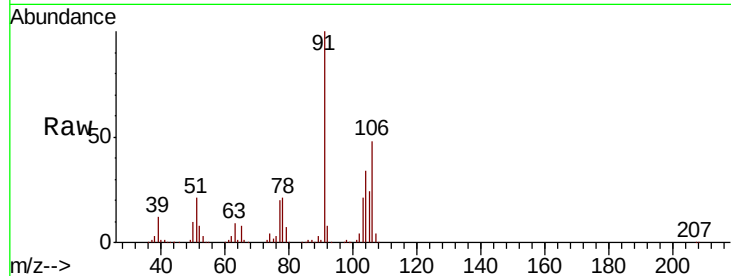




#55
o-xylene
Concen: 23.948 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

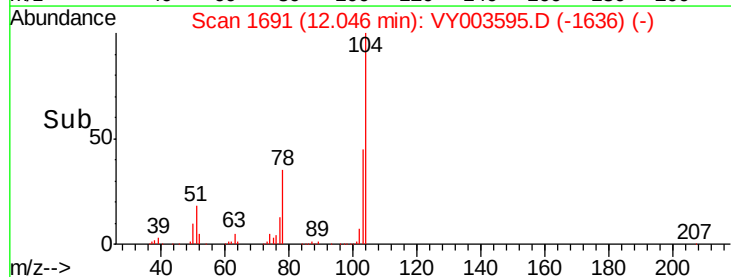
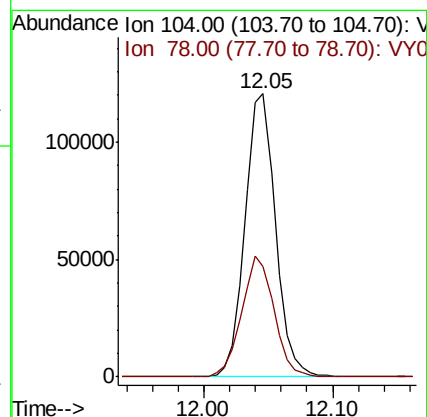
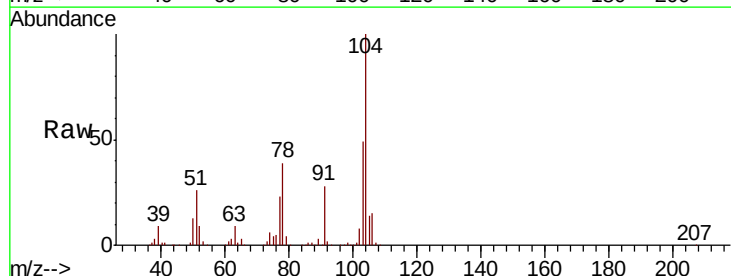
Instrument :
MSVOA_Y
ClientSampled :

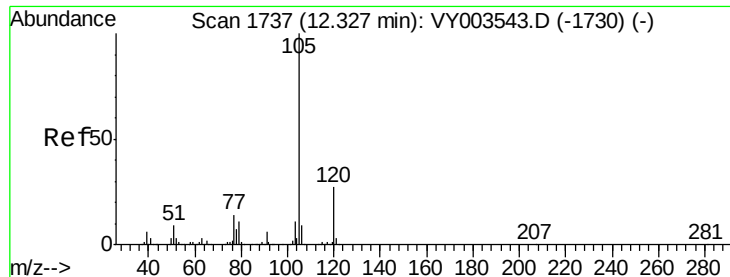
Tot Ion:106 Resp: 94451
Ion Ratio Lower Upper
106 100
91 209.1 138.3 256.8



#56
Styrene
Concen: 25.482 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003595.D
Acq: 24 Nov 2020 10:39

Tgt Ion:104 Resp: 196798
Ion Ratio Lower Upper
104 100
78 39.0 28.8 53.6





#57

Isopropylbenzene

Concen: 23.178 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

ClientSampleId :

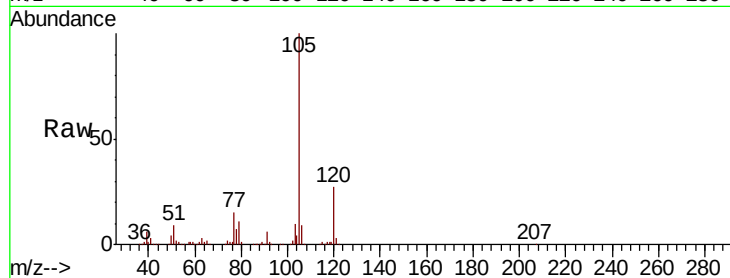
Tot Ion: 105 Resp: 206894

Ion Ratio Lower Upper

105 100

120 27.7 21.7 32.5

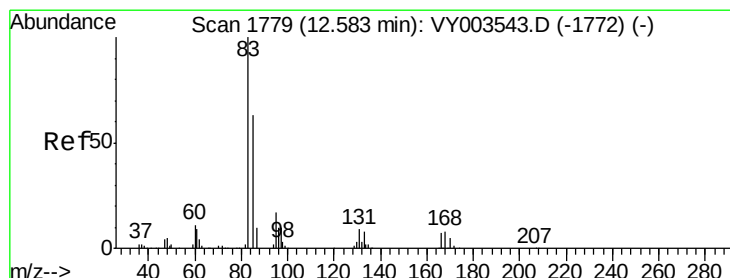
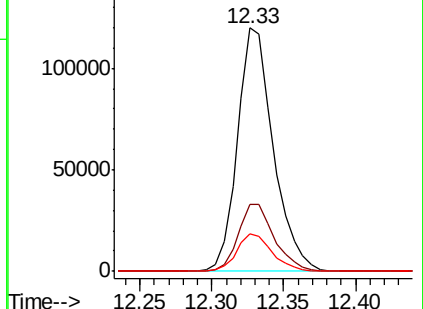
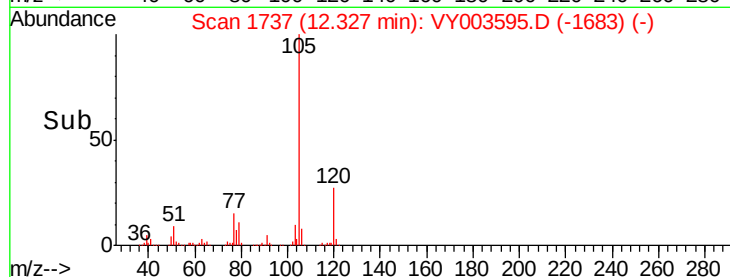
77 15.3 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VY003543.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY003543.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY003543.D (-1730) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 24.571 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

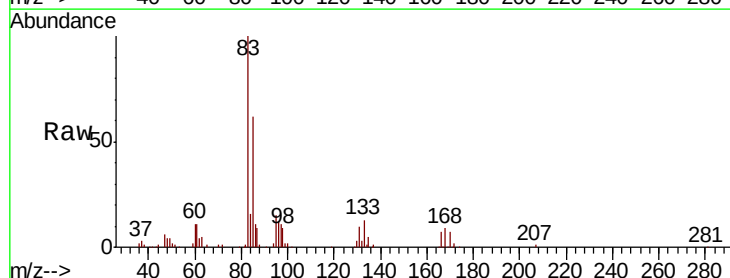
Tgt Ion: 83 Resp: 64742

Ion Ratio Lower Upper

83 100

85 61.8 44.8 83.2

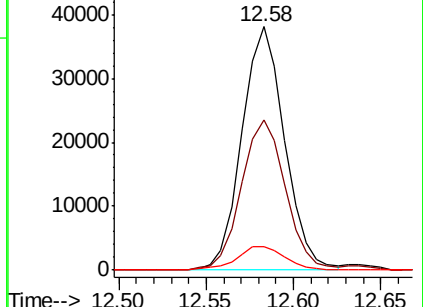
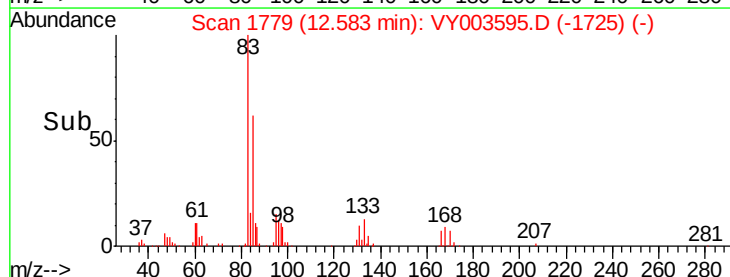
131 9.9 7.3 10.9

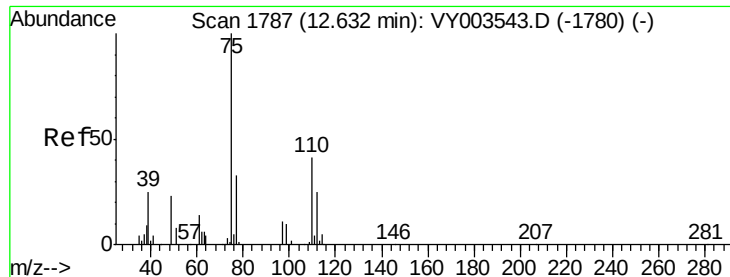


Abundance Ion 83.00 (82.70 to 83.70): VY003543.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY003543.D (-1772) (-)





#59

1,2,3-Trichloropropane

Concen: 23.960 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

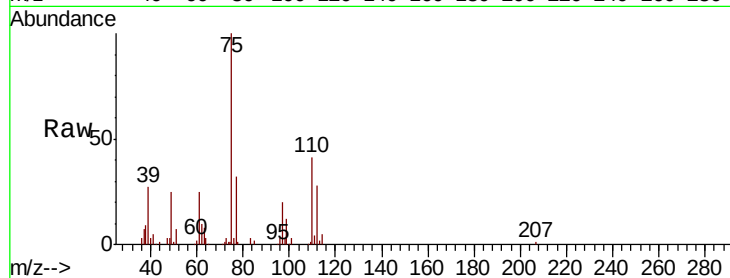
ClientSampleId :

Tot Ion: 75 Resp: 49144

Ion Ratio Lower Upper

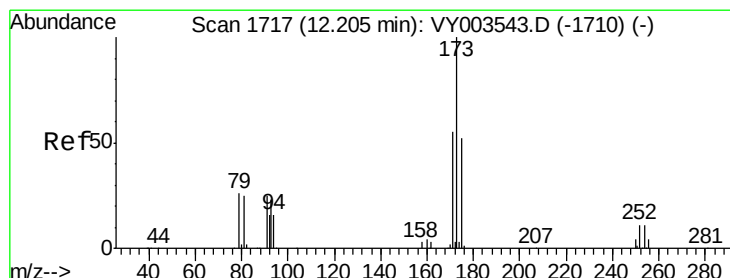
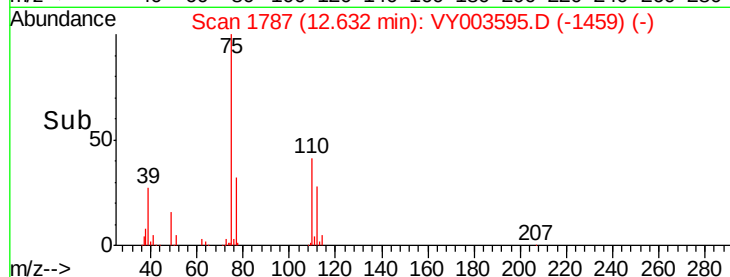
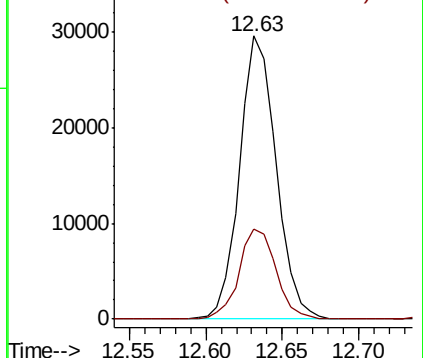
75 100

77 32.3 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: 24.607 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

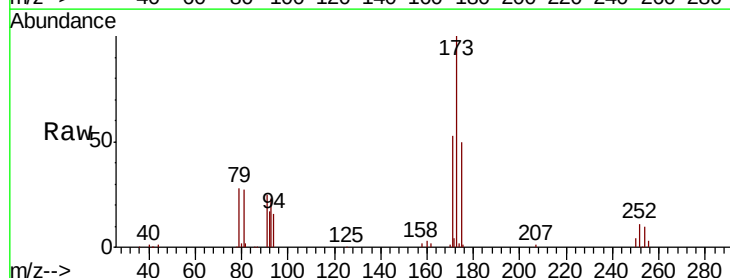
Tgt Ion: 173 Resp: 44391

Ion Ratio Lower Upper

173 100

175 49.0 39.5 59.3

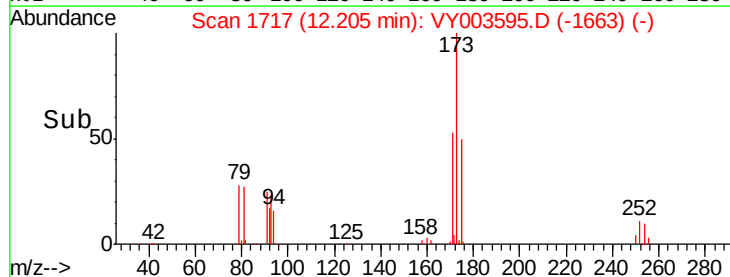
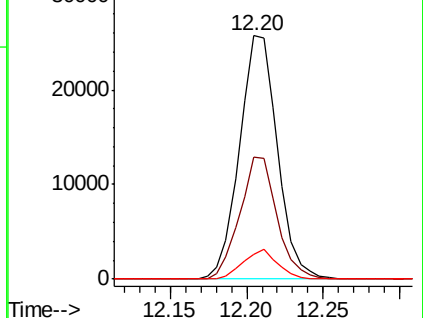
254 11.1 8.6 12.8

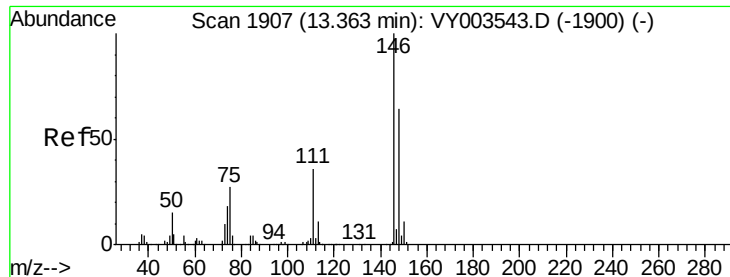


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

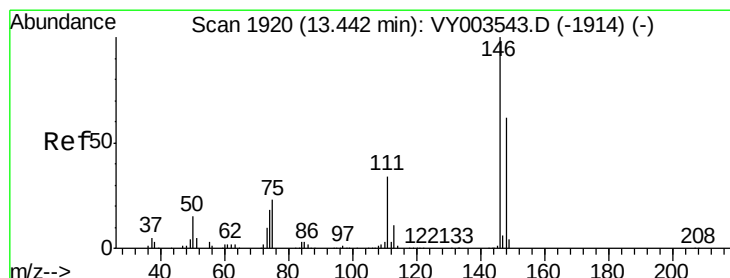
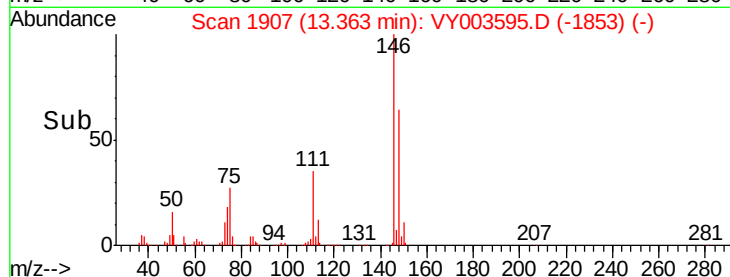
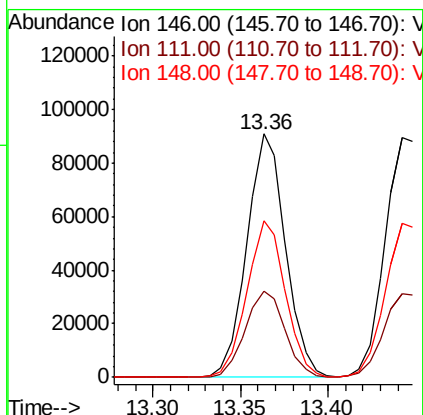
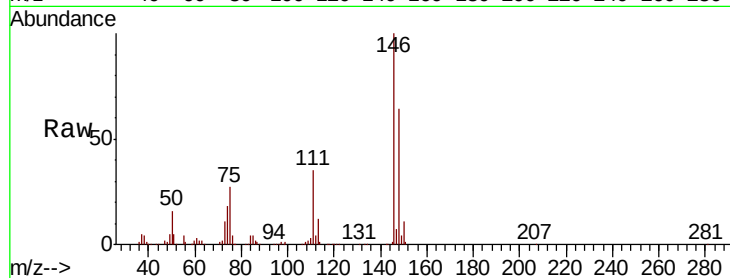




#63
 1,3-Dichlorobenzene
 Concen: 25.087 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

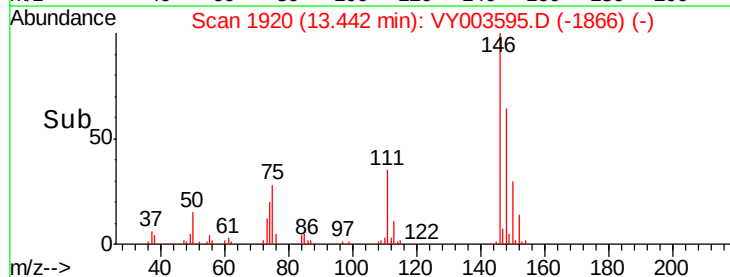
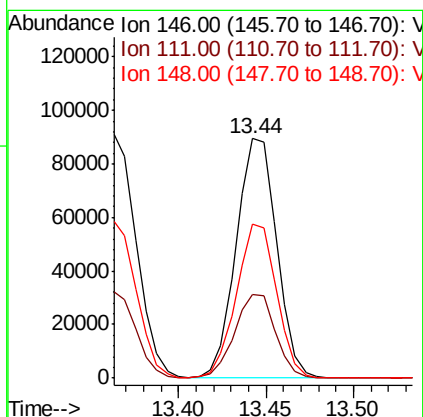
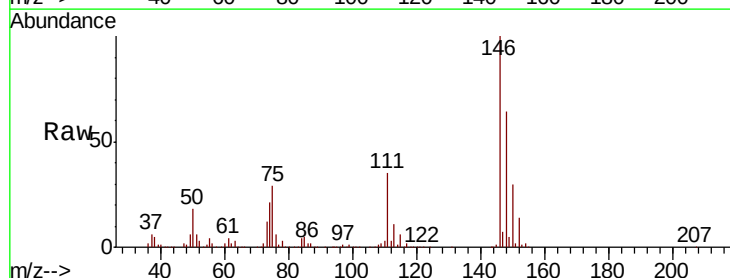
Instrument :
 MSVOA_Y
 ClientSampleId :

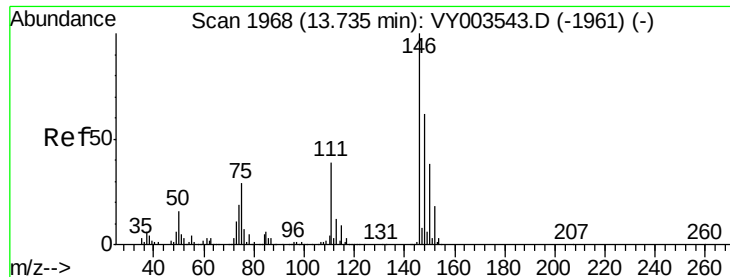
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	25.1	46.5
148	64.3	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.111 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	24.1	44.8
148	64.4	43.6	81.0

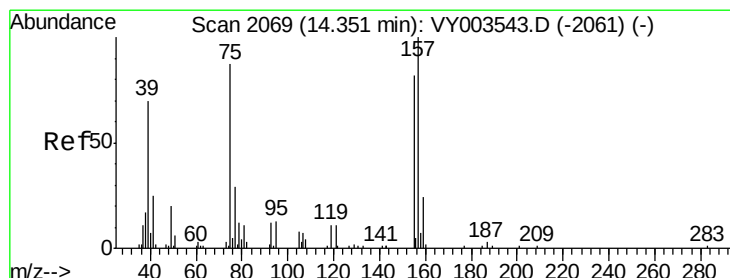
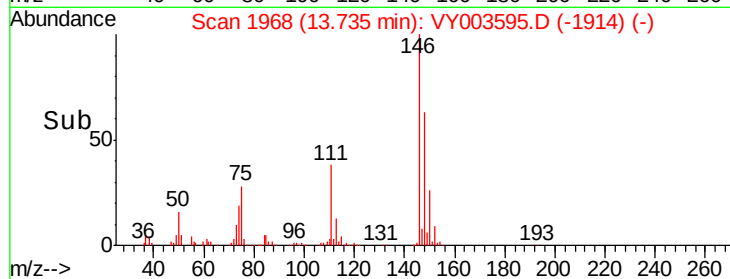
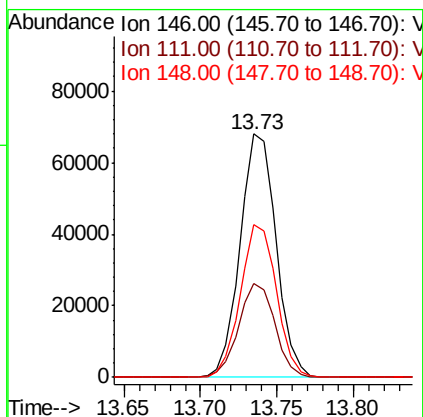
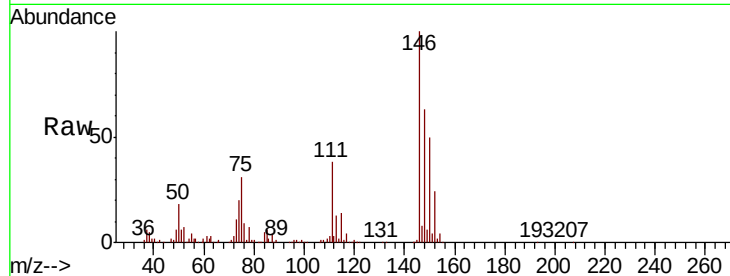




#65
 1,2-Dichlorobenzene
 Concen: 24.067 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

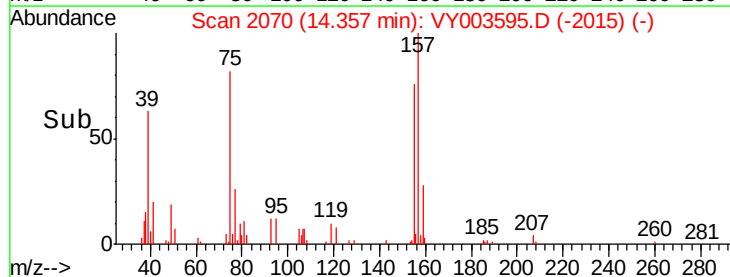
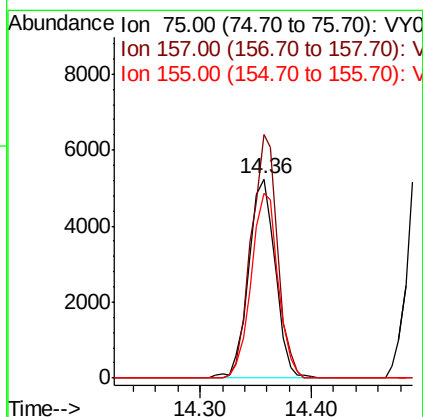
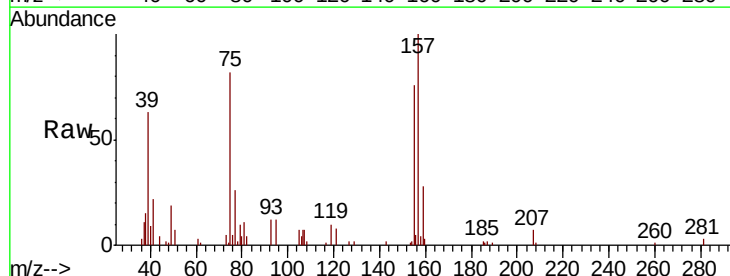
Instrument :
 MSVOA_Y
 ClientSampleId :

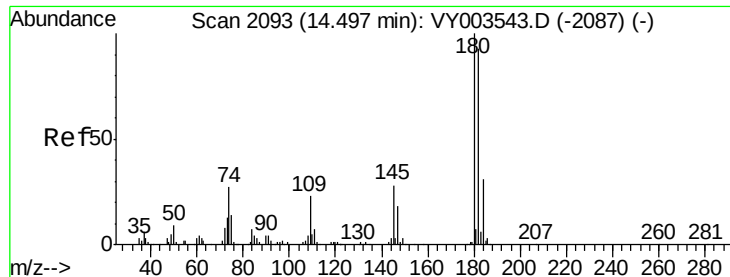
Tot Ion:146 Resp: 111170
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.0 46.6
 148 62.7 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.147 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion: 75 Resp: 8708
 Ion Ratio Lower Upper
 75 100
 157 122.2 91.8 137.6
 155 92.4 75.7 113.5

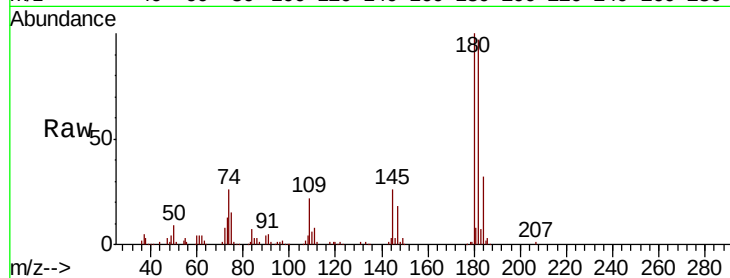




#67
 1,3,5-Trichlorobenzene
 Concen: 23.886 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	180	Resp	71068
Ion Ratio	Lower	Upper	
180	100		
182	95.7	77.3	115.9
184	30.5	24.4	36.6
145	27.2	22.4	33.6



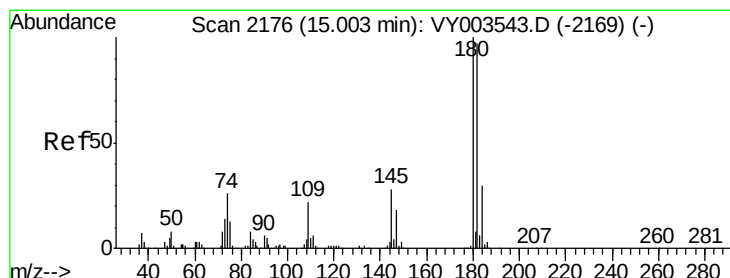
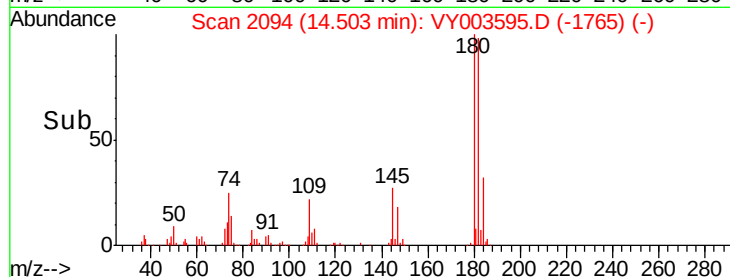
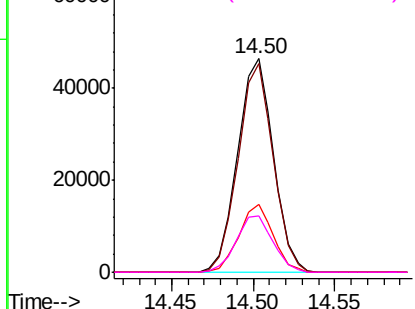
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

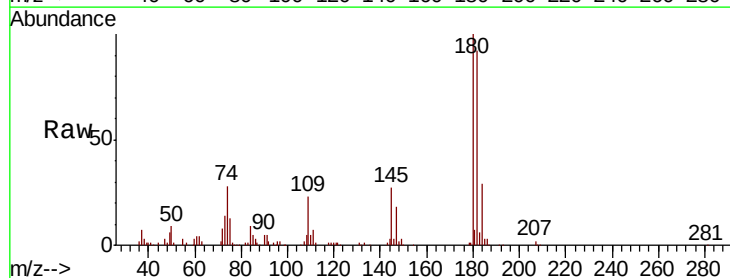
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.673 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003595.D
 Acq: 24 Nov 2020 10:39

Tgt Ion	180	Resp	60677
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.5	114.7
145	27.7	22.8	34.2

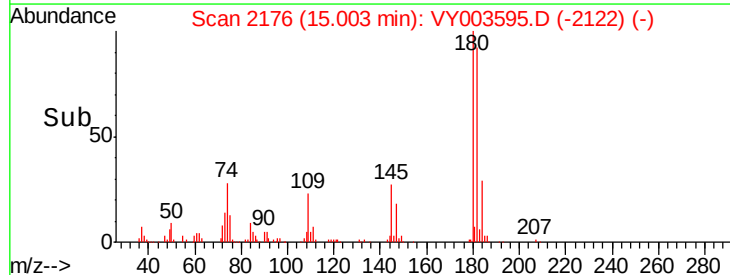
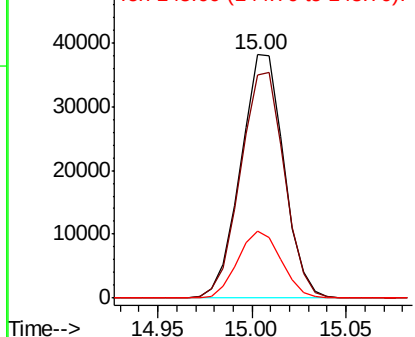


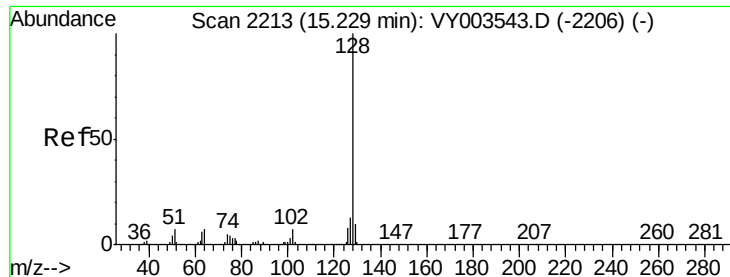
Abundance

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: 23.590 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

Instrument :

MSVOA_Y

ClientSampled :

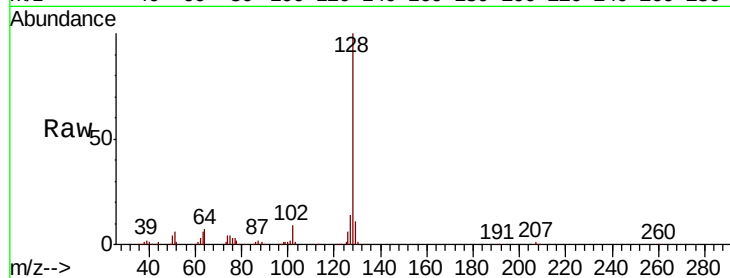
Tot Ion:128 Resp: 106650

Ion Ratio Lower Upper

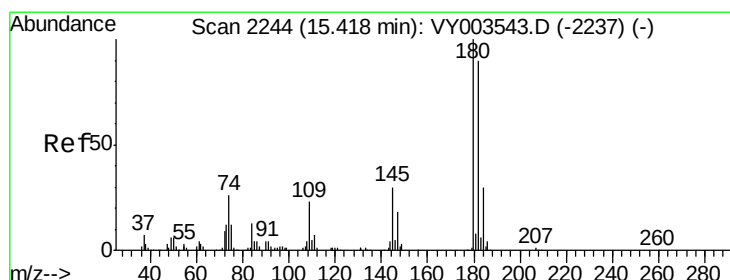
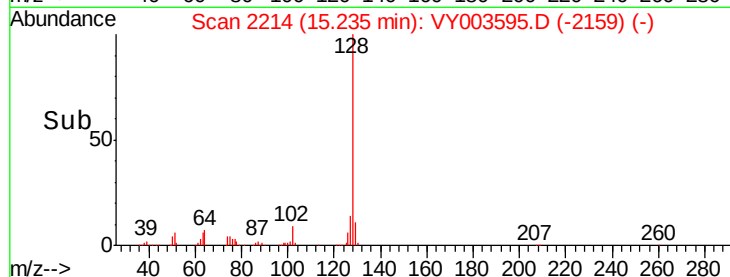
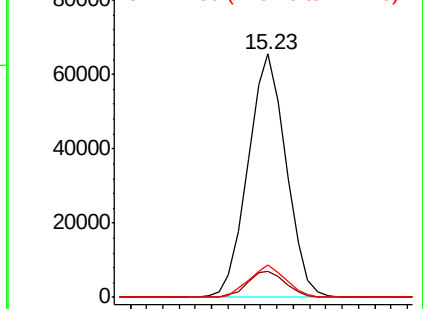
128 100

129 10.8 8.5 12.7

127 12.7 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: 23.601 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY003595.D

Acq: 24 Nov 2020 10:39

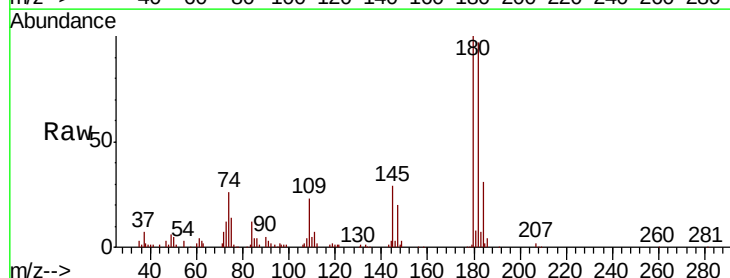
Tgt Ion:180 Resp: 45729

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

145 29.5 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

