

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003678.D
 Acq On : 08 Dec 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

Quant Time: Dec 09 01:55:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 14:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	248420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	231428	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	123124	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	86569	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.77	69	66981	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
10) 1,1-Dichloroethene-d2	3.86	63	169980	25.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.84%
20) 2-Butanone-d5	6.90	46	51967	41.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.98%
24) Chloroform-d	7.49	84	165896	25.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	8.15	65	89968	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.12	84	360521	26.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.64%
33) 1,2-Dichloropropane-d6	9.12	67	104320	26.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.24%
37) Toluene-d8	10.18	98	330990	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.24%
38) trans-1,3-Dichloropropene-	10.44	79	49434	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.36%
39) 2-Hexanone-d5	10.79	63	43410	43.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.40%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	88874	25.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.64%
61) 1,2-Dichlorobenzene-d4	13.73	152	117984	26.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	71067	25.456	ug/L 100
3) Chloromethane	2.12	50	74222	24.497	ug/L 99
5) Vinyl chloride	2.26	62	79570	24.837	ug/L 99
6) Bromomethane	2.66	94	50129	24.199	ug/L 98
8) Chloroethane	2.81	64	49679	25.468	ug/L 92
9) Trichlorofluoromethane	3.14	101	126663	25.823	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83023	26.330	ug/L 99
12) 1,1-Dichloroethene	3.89	96	79245	26.655	ug/L 97
13) Acetone	3.96	43	38725	42.181	ug/L 98
14) Carbon disulfide	4.21	76	255293	25.764	ug/L 98
15) Methyl Acetate	4.48	43	50785	21.985	ug/L 100
16) Methylene chloride	4.73	84	90680	20.789	ug/L 99
17) Methyl tert-butyl Ether	5.23	73	206357	24.487	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	85490	25.539	ug/L 94
19) 1,1-Dichloroethane	6.03	63	141297	25.144	ug/L 99
21) 2-Butanone	7.00	43	65345	40.309	ug/L 97
22) cis-1,2-Dichloroethene	7.00	96	92776	26.007	ug/L 96

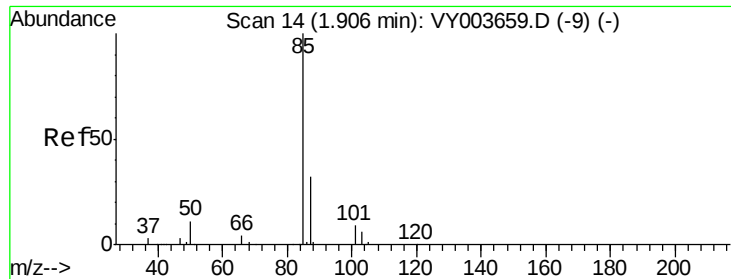
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 14:35:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	44821	25.169	ug/L	96
25) Chloroform	7.51	83	146385	25.732	ug/L	99
27) 1,2-Dichloroethane	8.25	62	94706	24.612	ug/L	96
30) Cyclohexane	7.80	56	135749	27.227	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	130857	26.526	ug/L	99
32) Carbon tetrachloride	7.91	117	119110	27.200	ug/L	98
34) Benzene	8.17	78	349416	26.393	ug/L	100
35) Trichloroethene	8.95	95	93412	25.700	ug/L	99
36) Methylcyclohexane	9.19	83	152624	27.400	ug/L	99
40) 1,2-Dichloropropane	9.22	63	85179	25.654	ug/L	100
41) Bromodichloromethane	9.50	83	109559	25.970	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	136442	26.107	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	141592	45.398	ug/L	99
44) Toluene	10.25	91	375262	26.871	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	125350	26.021	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	72575	25.352	ug/L	98
47) Tetrachloroethene	10.72	164	75191	26.563	ug/L	97
49) 2-Hexanone	10.84	43	99881	45.569	ug/L	99
50) Dibromochloromethane	10.99	129	85836	25.621	ug/L	98
51) 1,2-Dibromoethane	11.09	107	68508	24.732	ug/L	100
52) Chlorobenzene	11.52	112	239955	26.109	ug/L	97
53) Ethylbenzene	11.59	91	411228	26.982	ug/L	97
54) m,p-Xylene	11.70	106	158415	26.943	ug/L	96
55) o-xylene	12.03	106	153386	27.192	ug/L	99
56) Styrene	12.04	104	262641	27.205	ug/L	96
57) Isopropylbenzene	12.33	105	407997	27.665	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	78660	25.629	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	66642	24.286	ug/L	99
62) Bromoform	12.21	173	57204	24.612	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	194125	26.513	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	192752	25.895	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	176609	26.291	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.36	75	14365	22.956	ug/L	99
67) 1,3,5-Trichlorobenzene	14.51	180	135688	26.212	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	114827	26.002	ug/L	98
69) Naphthalene	15.24	128	227049	24.514	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	101455	25.151	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.456 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

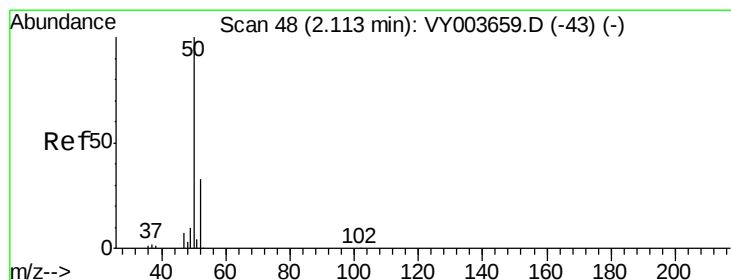
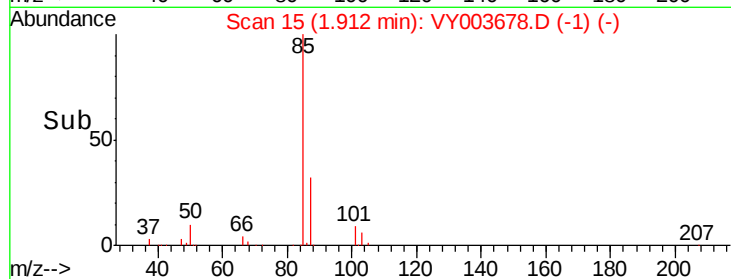
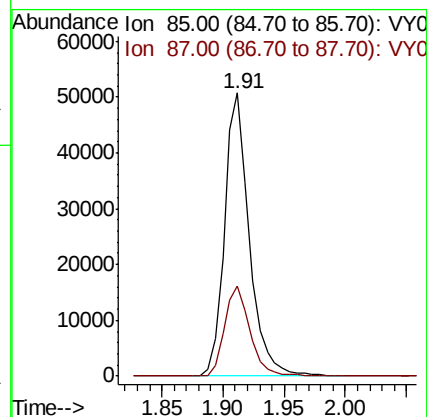
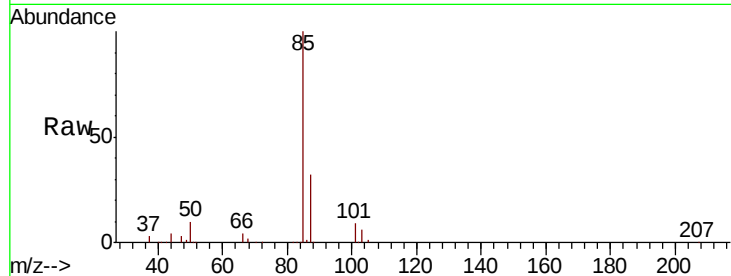
VSTD02588

Tot Ion: 85 Resp: 71067

Ion Ratio Lower Upper

85 100

87 32.5 22.6 42.0



#3

Chloromethane

Concen: 24.497 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003678.D

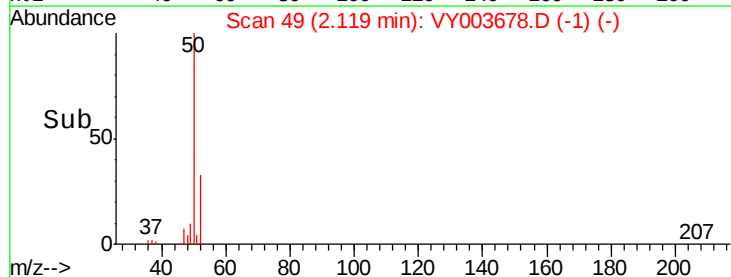
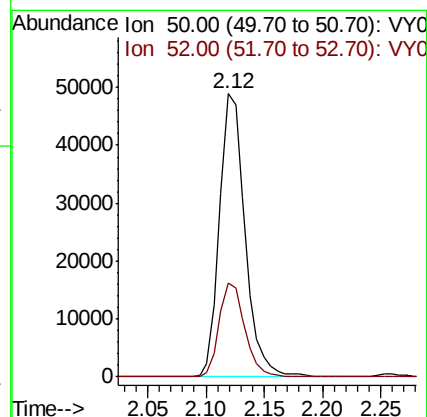
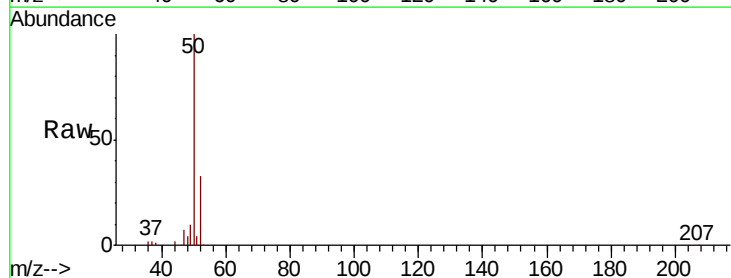
Acq: 08 Dec 2020 09:57

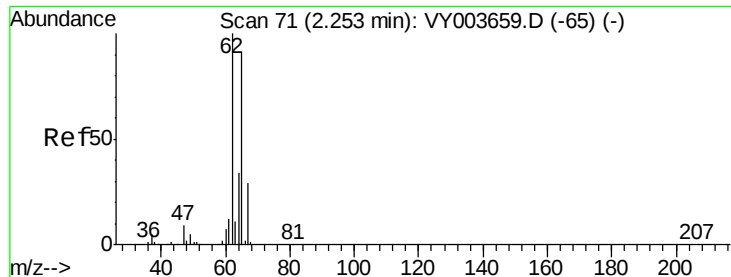
Tgt Ion: 50 Resp: 74222

Ion Ratio Lower Upper

50 100

52 33.3 23.1 42.9





#5

Vinyl chloride

Concen: 24.837 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

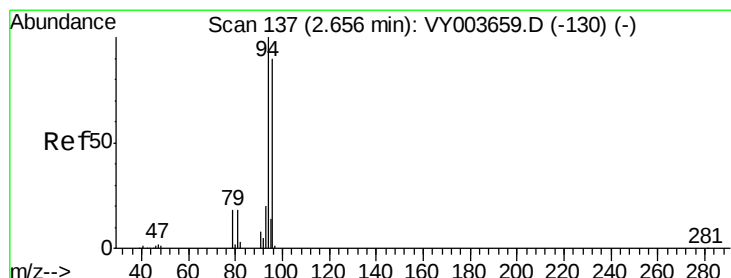
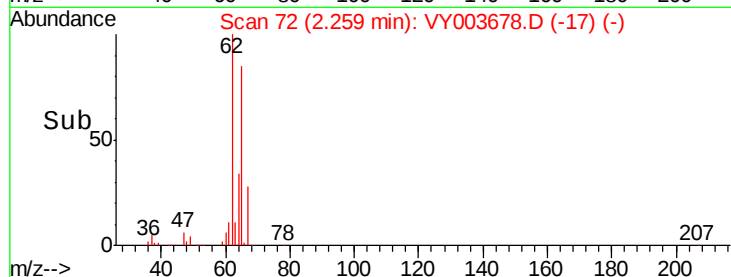
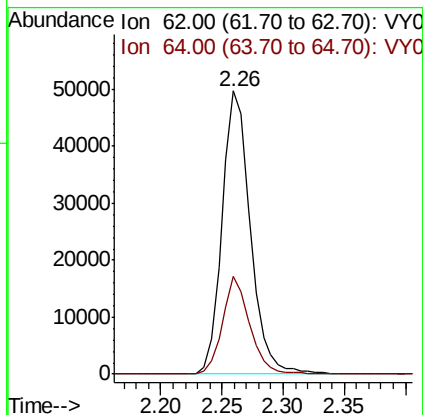
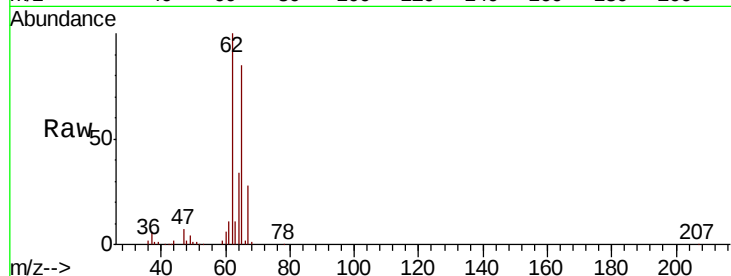
VSTD02588

Tot Ion: 62 Resp: 79570

Ion Ratio Lower Upper

62 100

64 34.4 23.8 44.2



#6

Bromomethane

Concen: 24.199 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003678.D

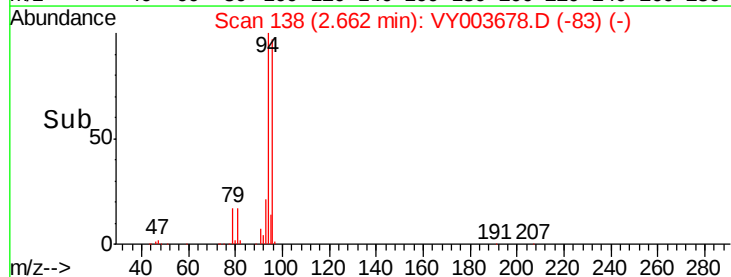
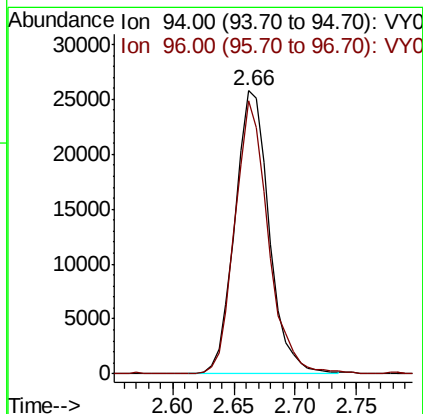
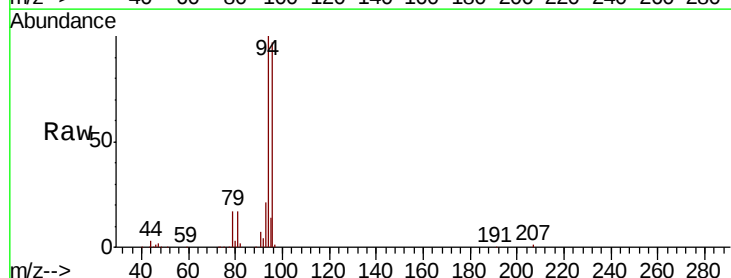
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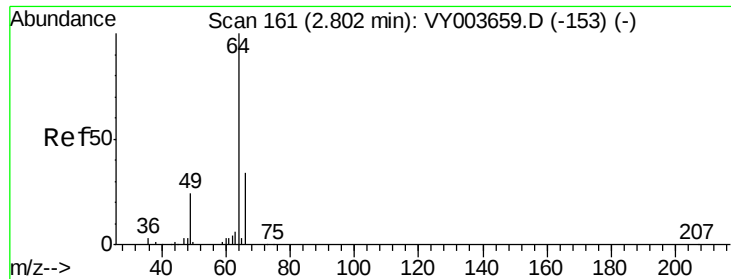
Tgt Ion: 94 Resp: 50129

Ion Ratio Lower Upper

94 100

96 94.0 9.2 174.6

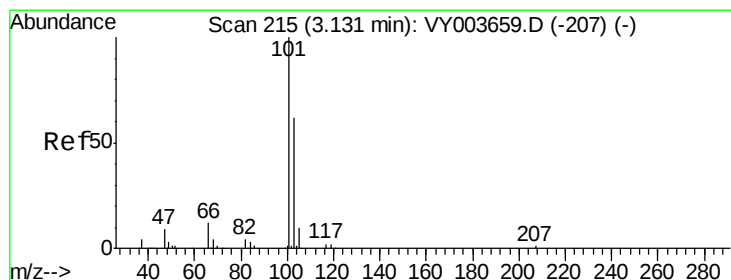
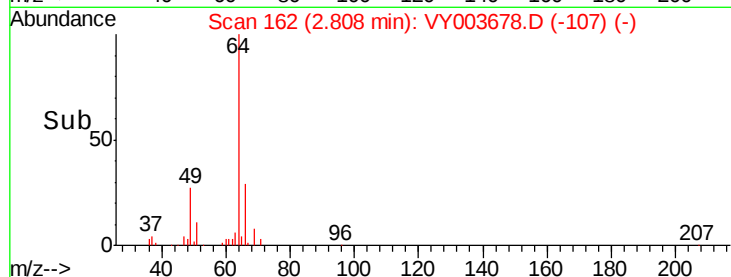
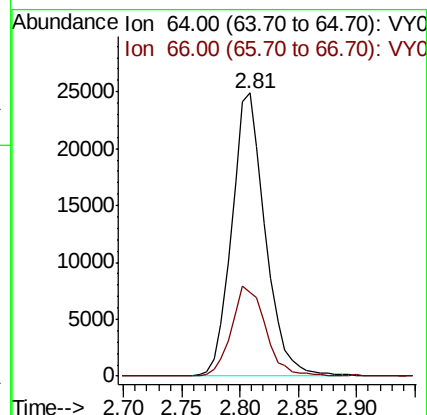
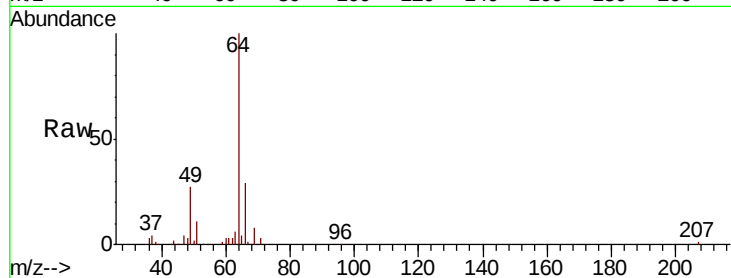




#8
Chloroethane
Concen: 25.468 ug/L
RT: 2.81 min Scan# 162
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

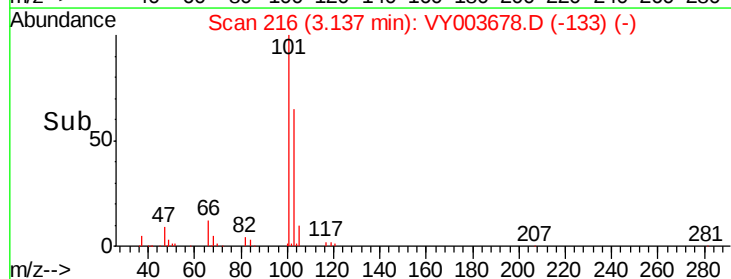
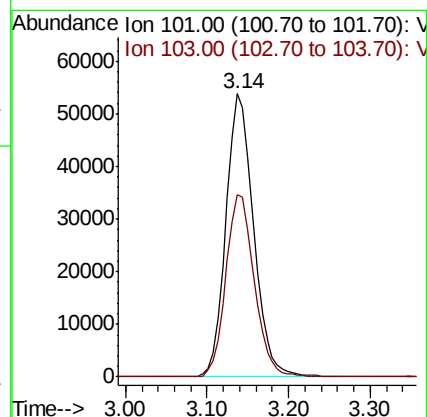
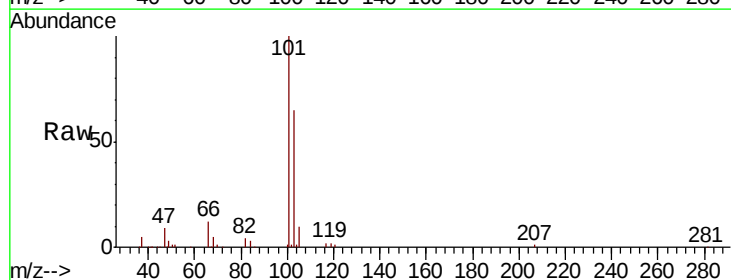
Instrument :
MSVOA_Y
ClientSampled :
VSTD02588

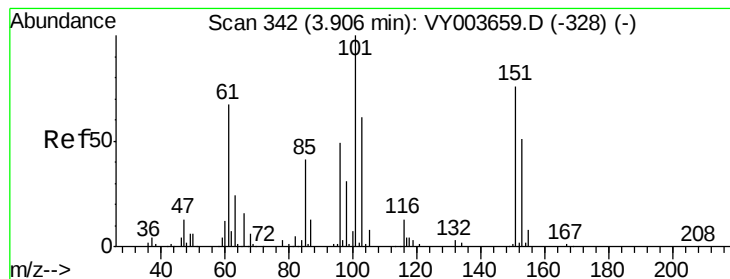
Tot Ion: 64 Resp: 49679
Ion Ratio Lower Upper
64 100
66 29.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 25.823 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion: 101 Resp: 126663
Ion Ratio Lower Upper
101 100
103 66.1 45.1 83.7





#11

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

Concen: 26.330 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

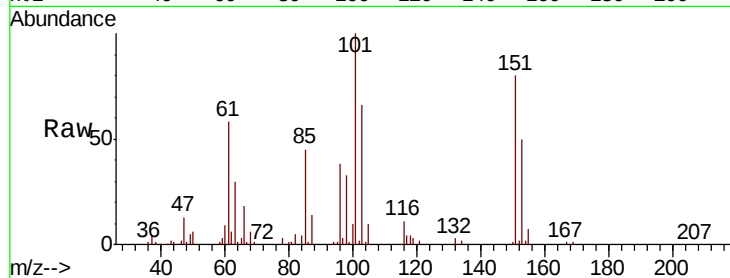
Tot Ion:101 Resp: 83023

Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

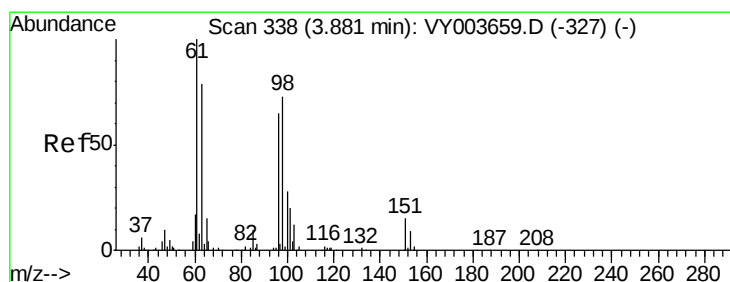
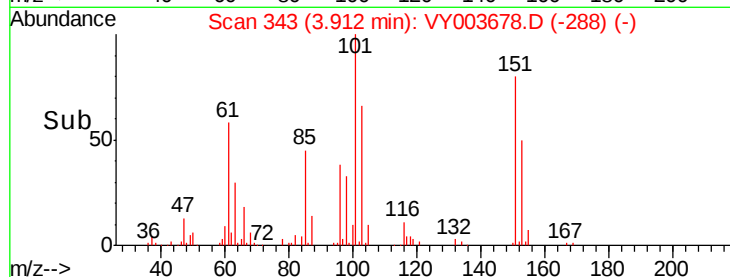
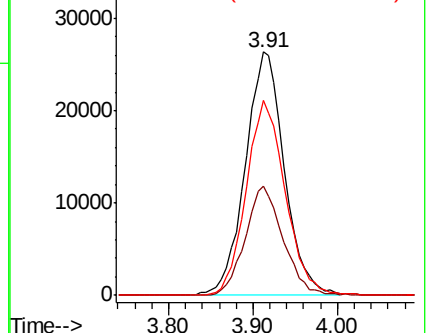
151 79.7 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003659.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003659.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003659.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 26.655 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

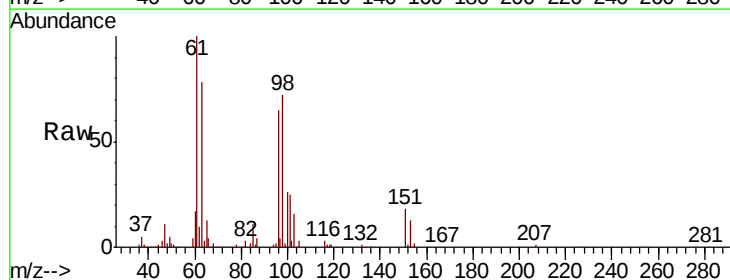
Tgt Ion: 96 Resp: 79245

Ion Ratio Lower Upper

96 100

61 153.4 108.5 201.5

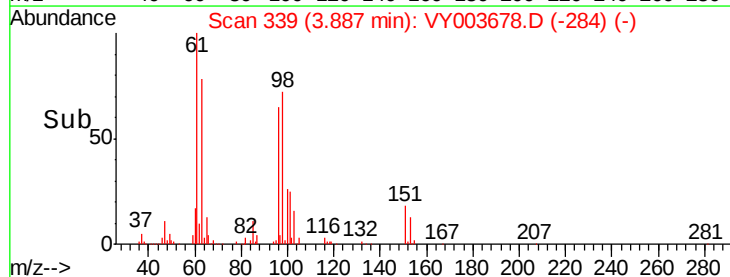
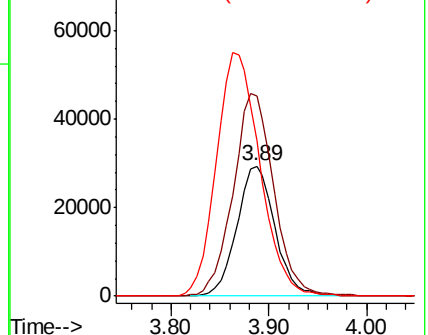
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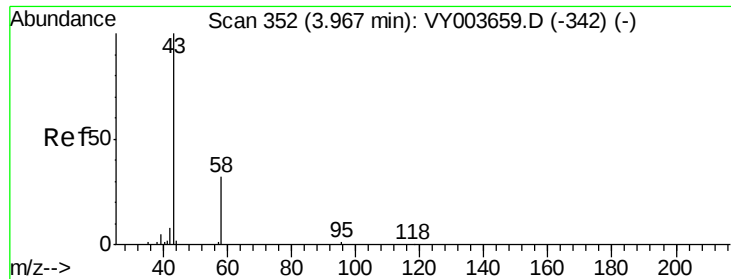


Abundance Ion 96.00 (95.70 to 96.70): VY003659.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003659.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003659.D (-327) (-)





#13

Acetone

Concen: 42.181 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

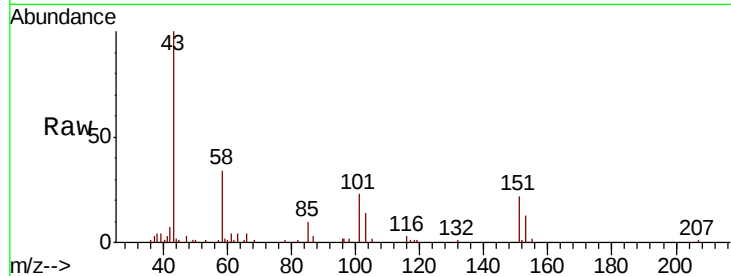
VSTD02588

Tot Ion: 43 Resp: 38725

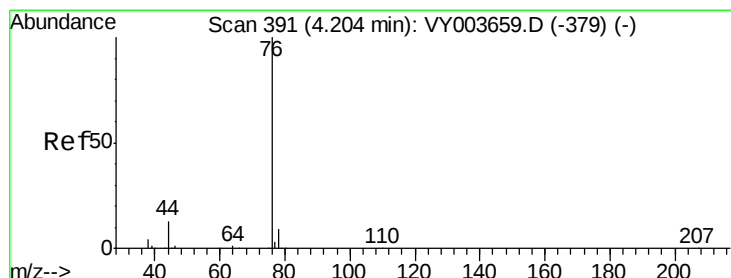
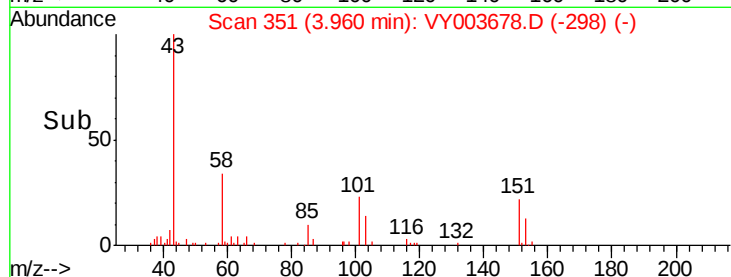
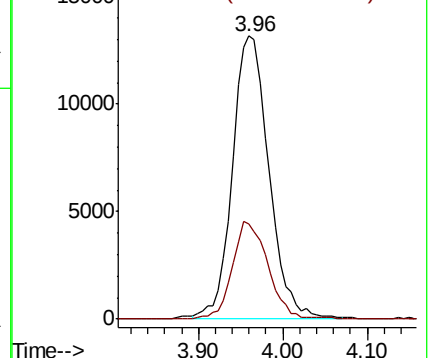
Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003659.D (-342) (-)



#14

Carbon disulfide

Concen: 25.764 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003678.D

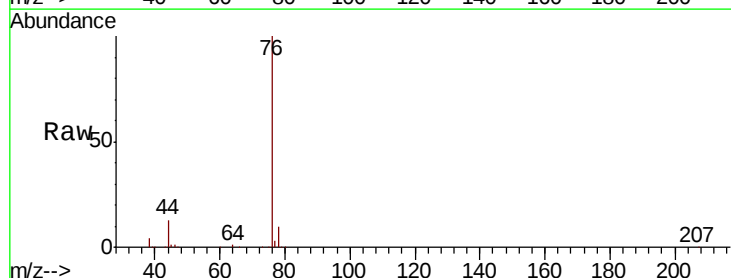
Acq: 08 Dec 2020 09:57

Tgt Ion: 76 Resp: 255293

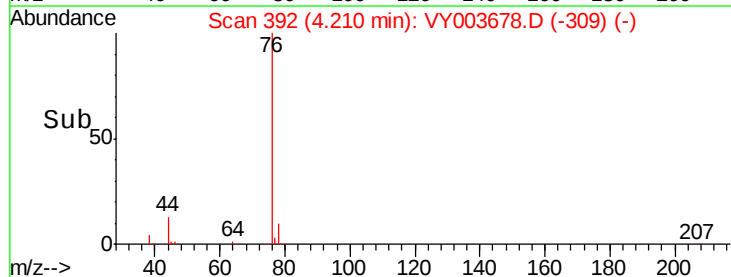
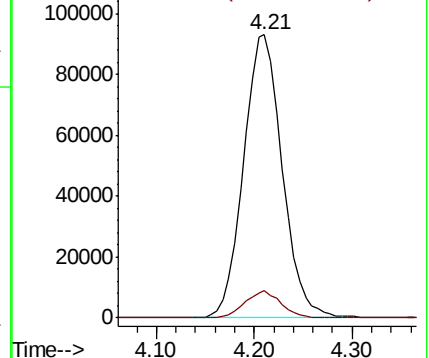
Ion Ratio Lower Upper

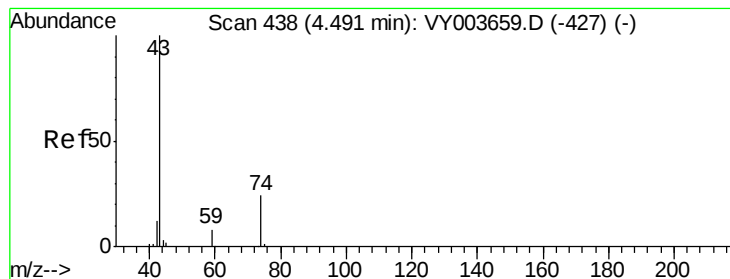
76 100

78 9.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003659.D (-379) (-)





#15

Methvl Acetate

Concen: 21.985 ug/L

RT: 4.48 min Scan# 437

Delta R.T. -0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

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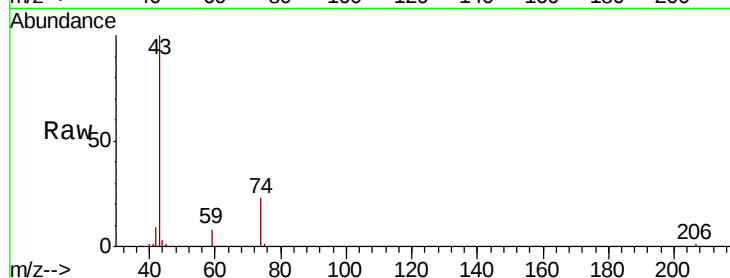
VSTD02588

Tot Ion: 43 Resp: 50785

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

20000

15000

10000

5000

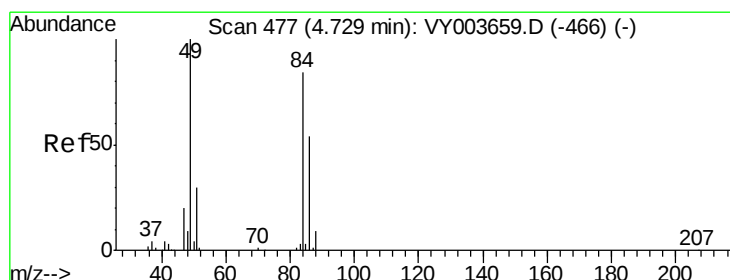
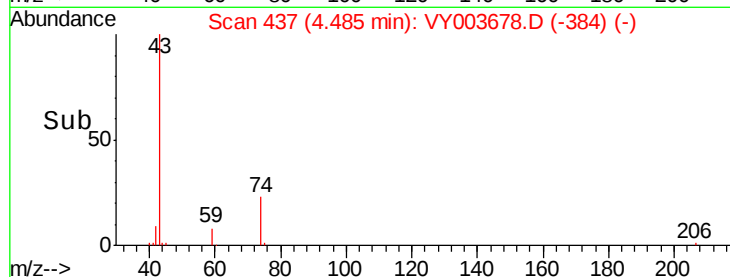
0

4.40

4.50

4.60

Time-->



#16

Methylene chloride

Concen: 20.789 ug/L

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

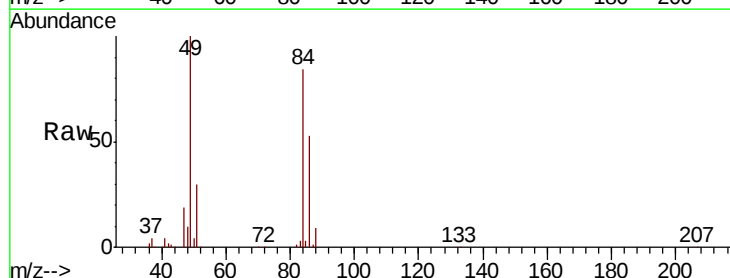
Tgt Ion: 84 Resp: 90680

Ion Ratio Lower Upper

84 100

49 118.9 83.7 155.4

86 62.5 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

40000

30000

20000

10000

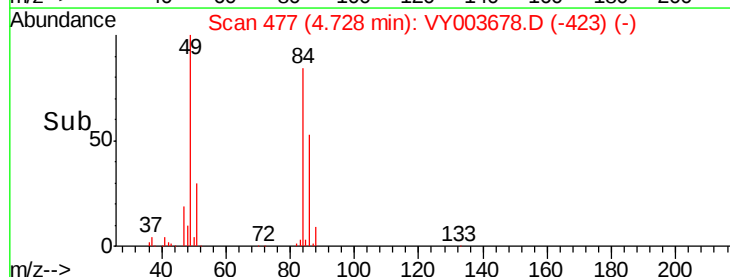
0

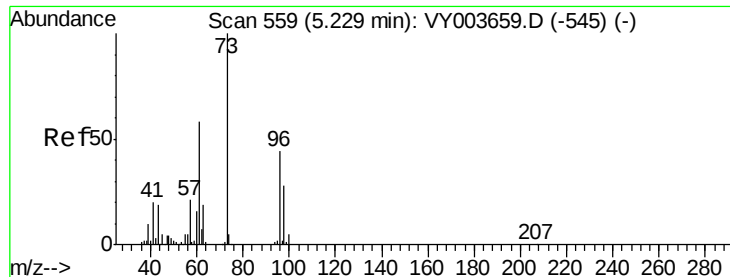
4.60

4.70

4.80

Time-->

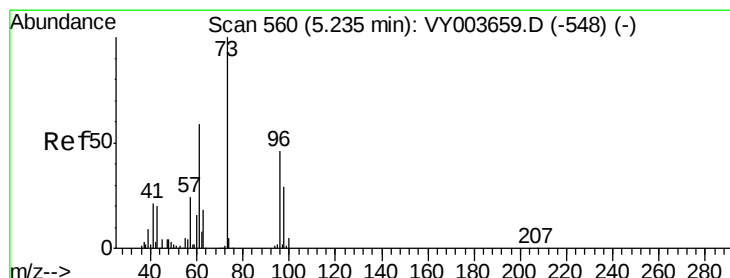
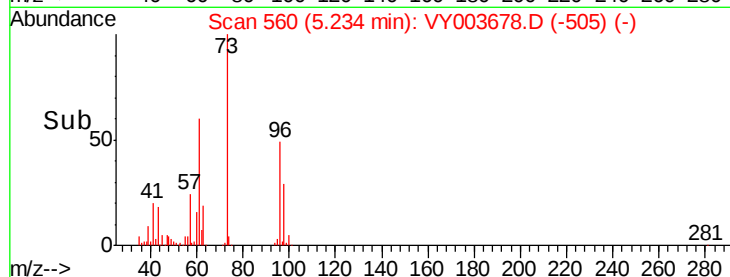
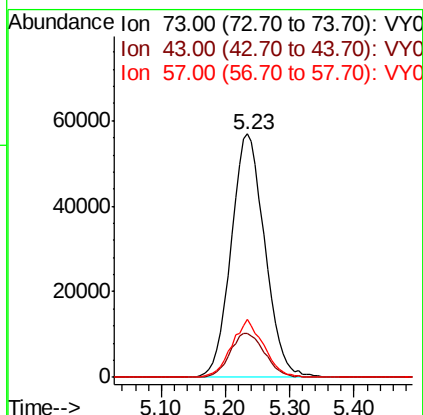
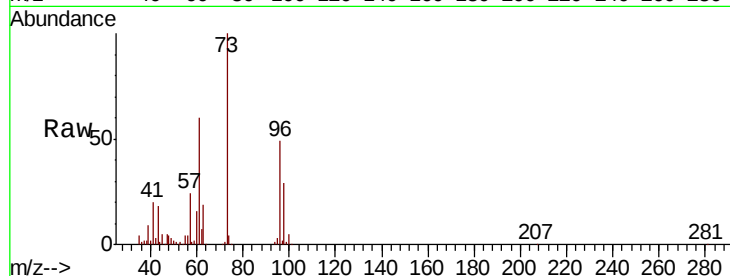




#17
Methvl tert-butvl Ether
Concen: 24.487 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

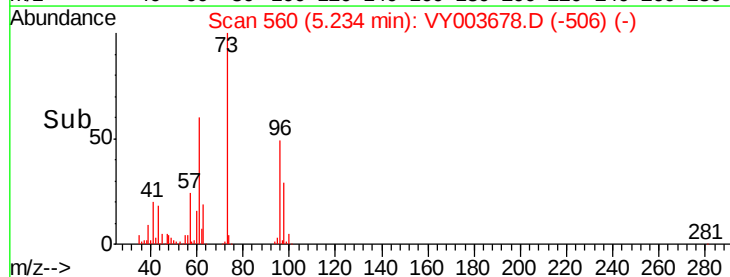
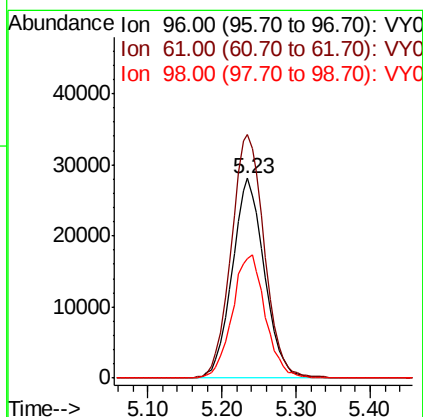
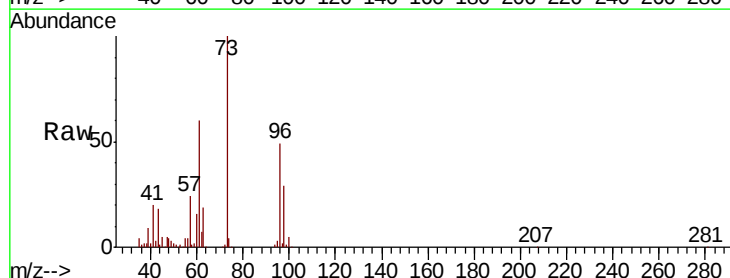
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

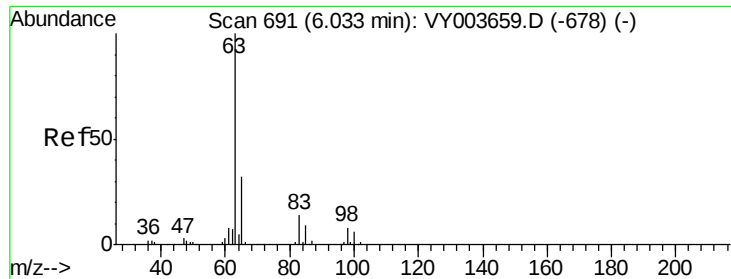
Tot Ion: 73 Resp: 206357
Ion Ratio Lower Upper
73 100
43 18.7 14.9 22.3
57 22.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 25.539 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion: 96 Resp: 85490
Ion Ratio Lower Upper
96 100
61 121.7 90.8 168.6
98 59.5 44.2 82.0





#19

1,1-Dichloroethane

Concen: 25.144 ug/L

RT: 6.03 min Scan# 691

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

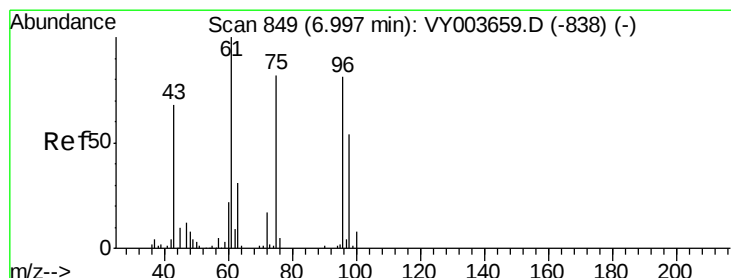
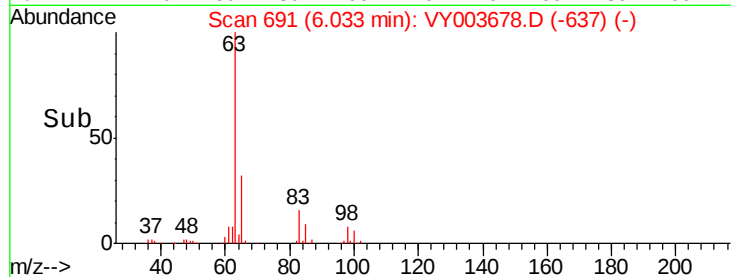
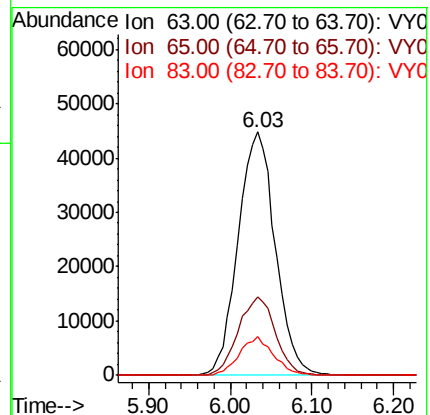
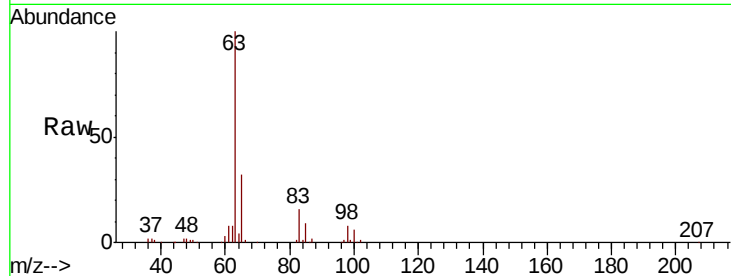
Tot Ion: 63 Resp: 141297

Ion Ratio Lower Upper

63 100

65 32.4 22.7 42.1

83 15.8 9.7 17.9



#21

2-Butanone

Concen: 40.309 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003678.D

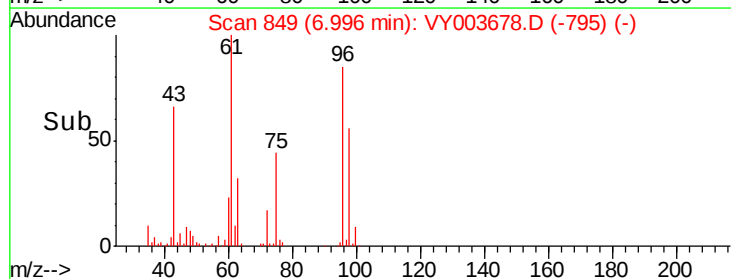
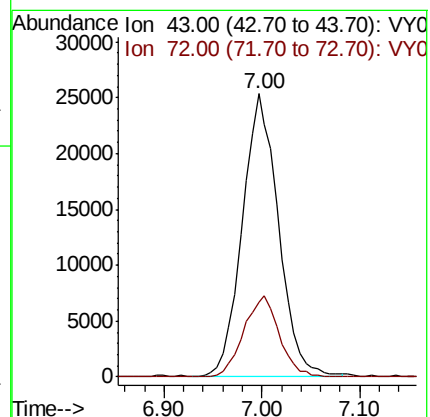
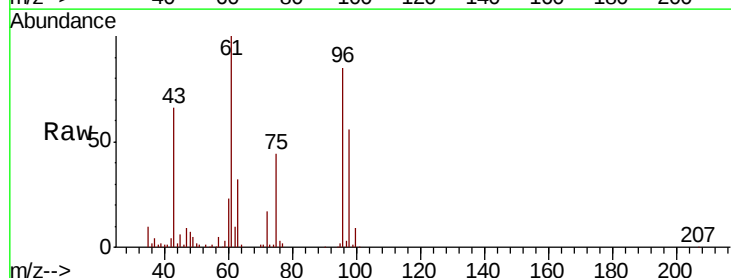
Acq: 08 Dec 2020 09:57

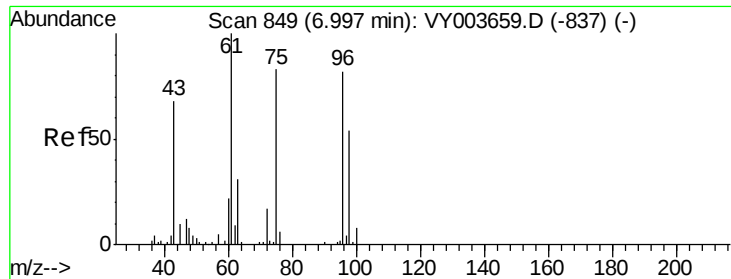
Tgt Ion: 43 Resp: 65345

Ion Ratio Lower Upper

43 100

72 27.9 13.3 39.9



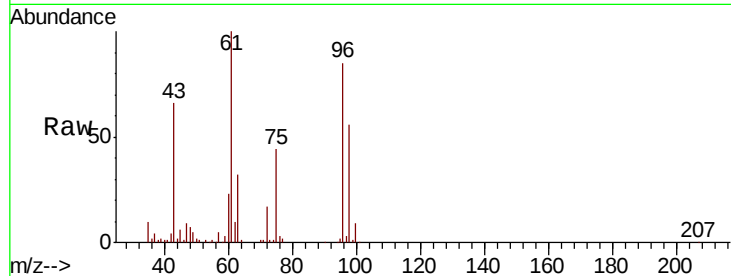


#22

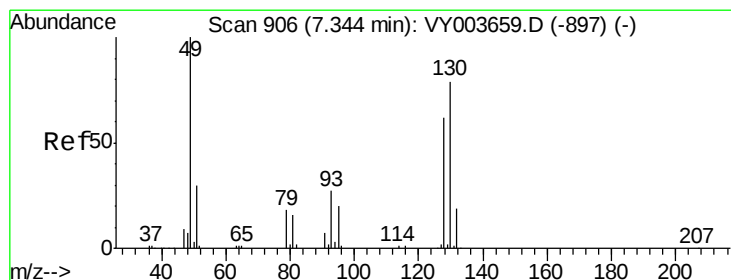
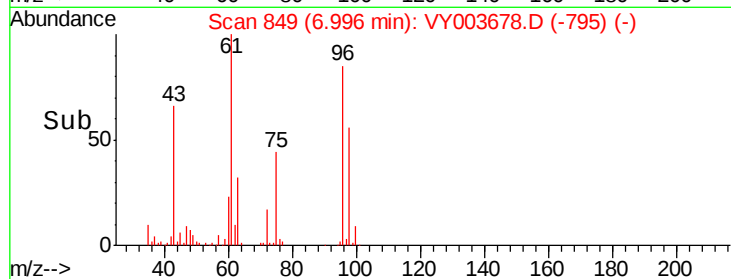
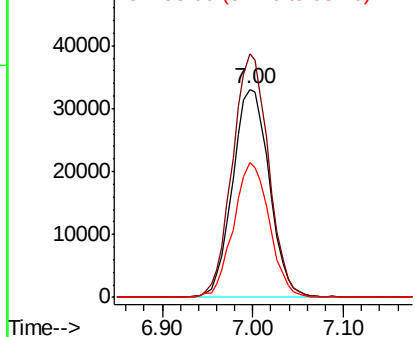
cis-1,2-Dichloroethene
 Concen: 26.007 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02588

Tot Ion: 96 Resp: 92776
 Ion Ratio Lower Upper
 96 100
 61 117.0 85.8 159.4
 98 65.1 46.5 86.3



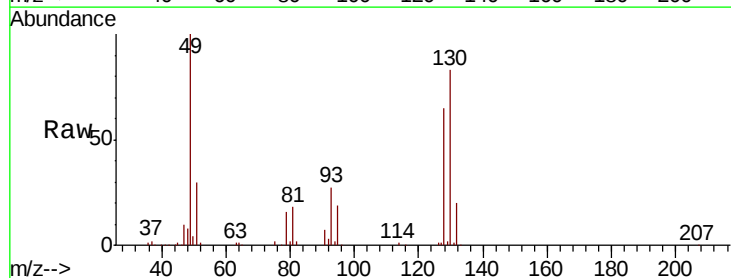
Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0



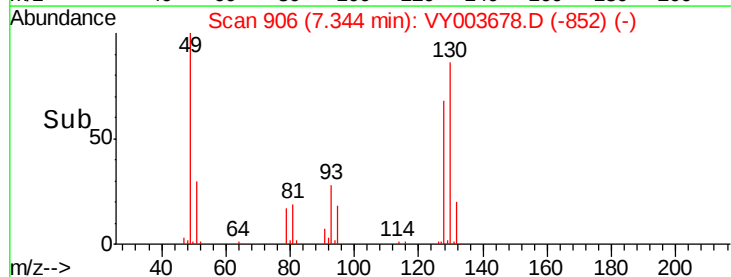
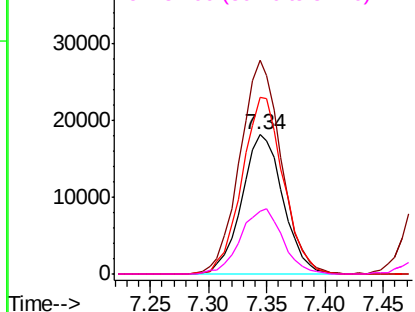
#23

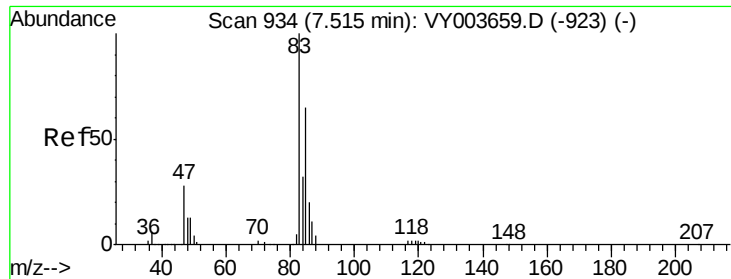
Bromochloromethane
 Concen: 25.169 ug/L
 RT: 7.34 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Tgt Ion: 128 Resp: 44821
 Ion Ratio Lower Upper
 128 100
 49 153.4 113.8 211.3
 130 127.0 89.7 166.5
 51 45.4 38.5 57.7



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

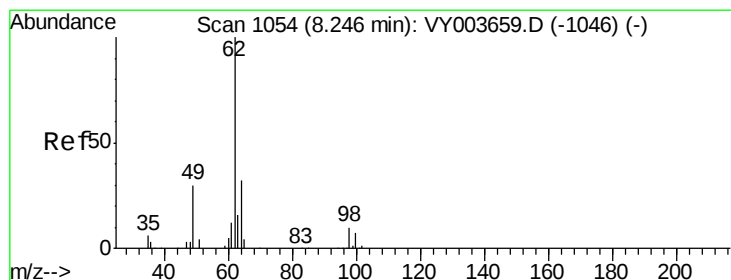
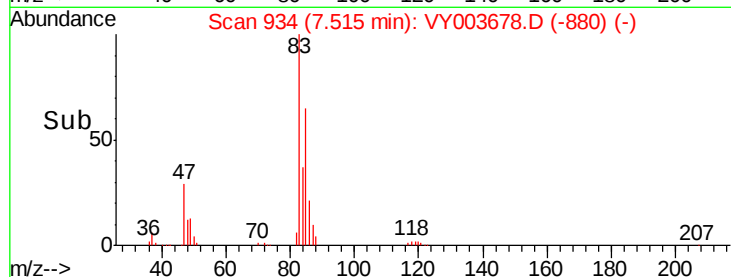
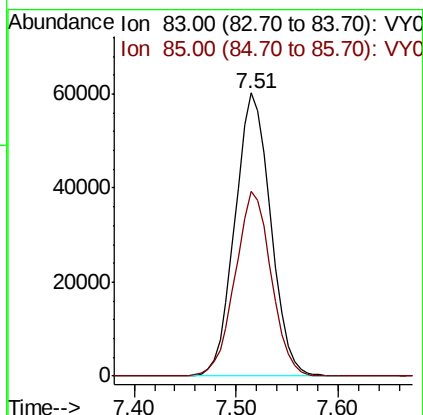
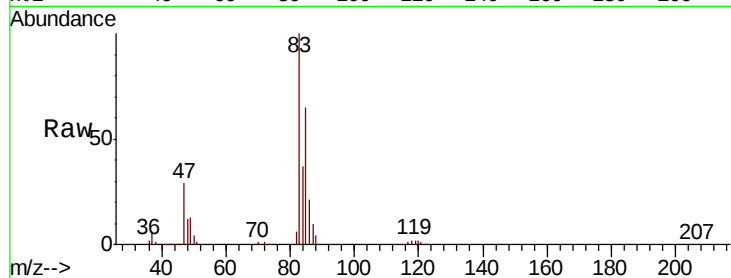




#25
Chloroform
Concen: 25.732 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

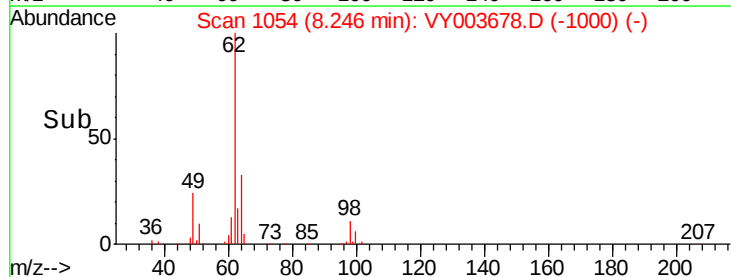
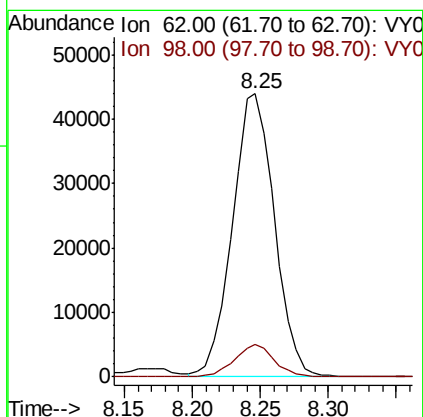
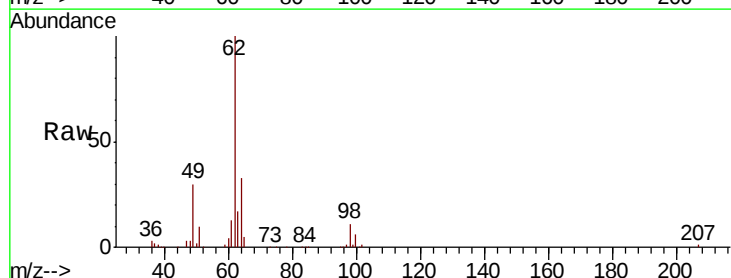
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

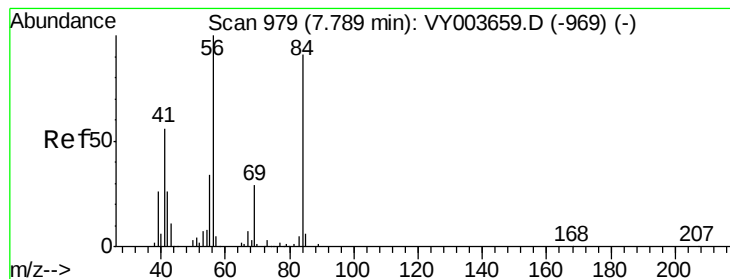
Tot Ion: 83 Resp: 146385
Ion Ratio Lower Upper
83 100
85 65.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 24.612 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion: 62 Resp: 94706
Ion Ratio Lower Upper
62 100
98 11.4 8.0 12.0





#30

Cyclohexane

Concen: 27.227 ug/L

RT: 7.80 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

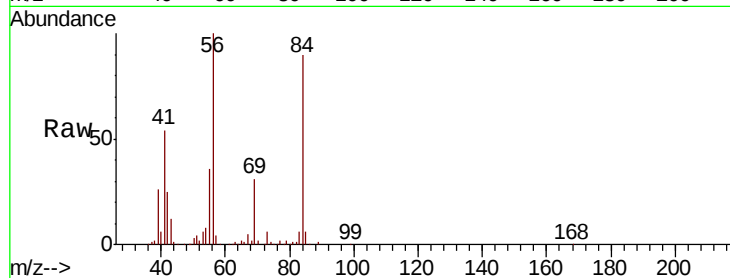
Tot Ion: 56 Resp: 135749

Ion Ratio Lower Upper

56 100

69 30.3 23.8 35.8

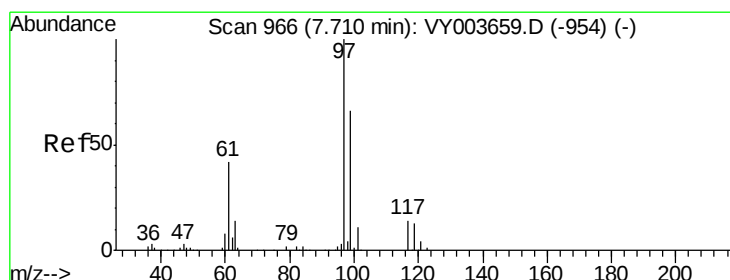
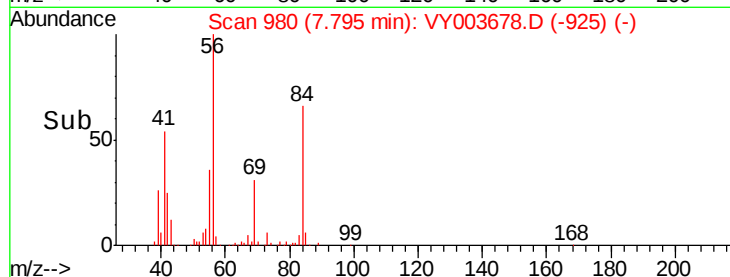
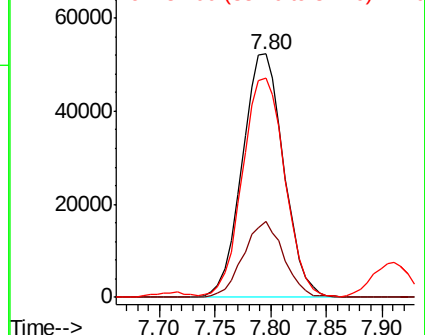
84 92.2 73.2 109.8



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: 26.526 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

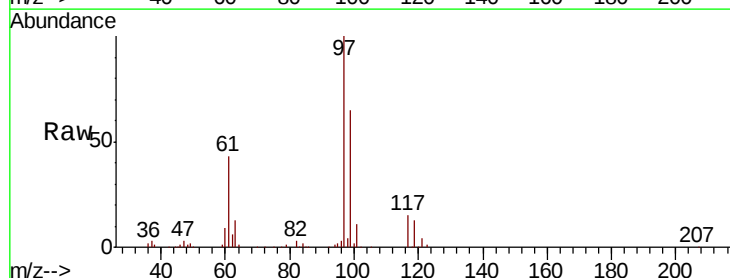
Tgt Ion: 97 Resp: 130857

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

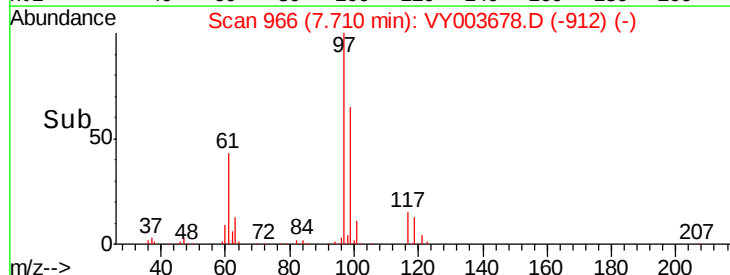
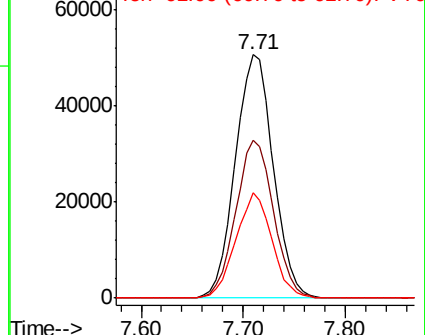
61 41.0 34.0 51.0

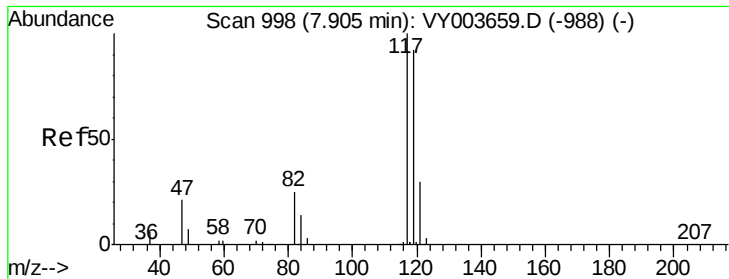


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



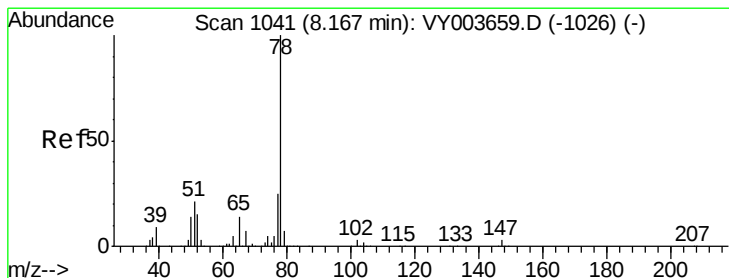
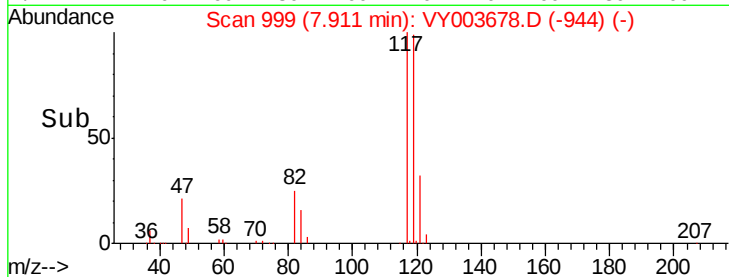
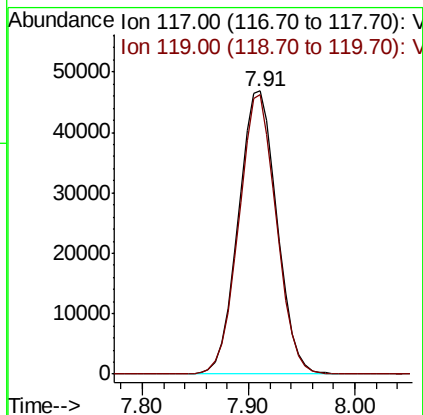
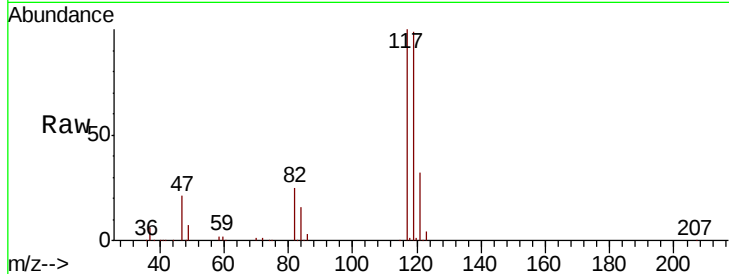


#32

Carbon tetrachloride
Concen: 27.200 ug/L
RT: 7.91 min Scan# 999
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

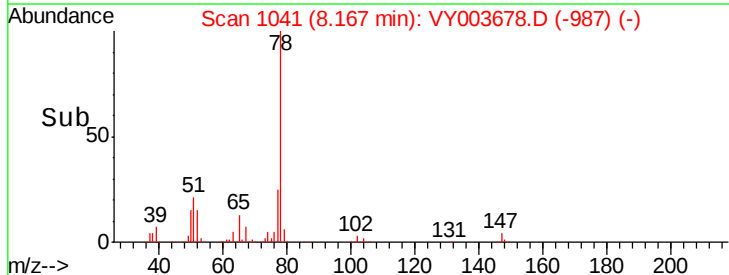
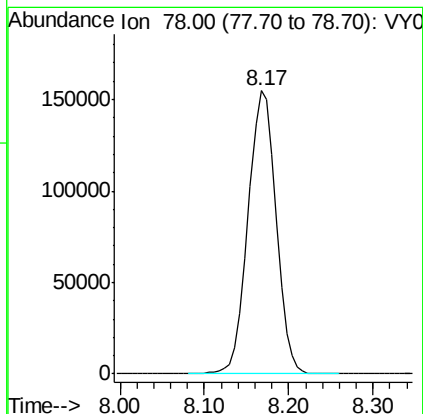
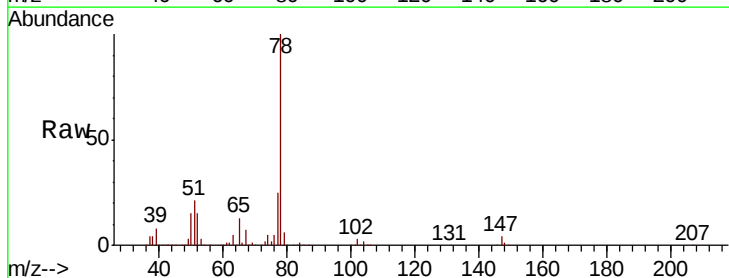
Tot Ion:117 Resp: 119110
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0

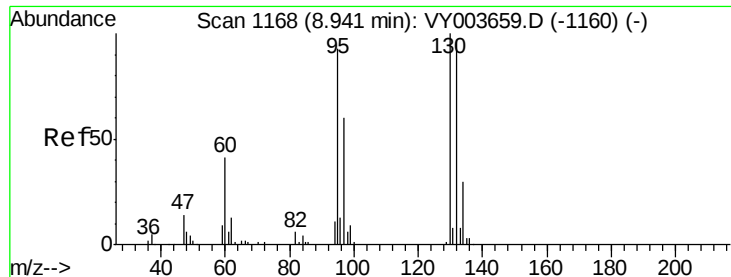


#34

Benzene
Concen: 26.393 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion: 78 Resp: 349416





#35

Trichloroethene

Concen: 25.700 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

Tot Ion: 95 Resp: 93412

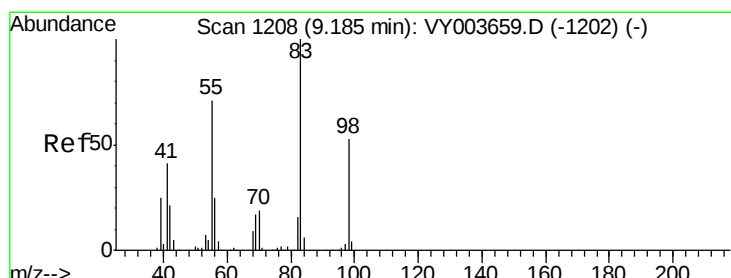
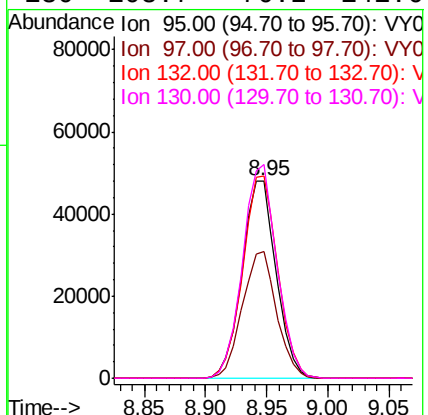
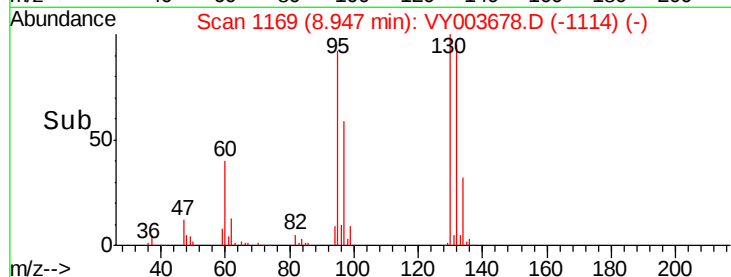
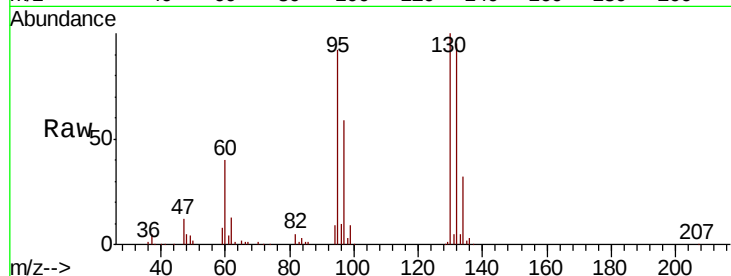
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.0

132 104.4 74.2 137.8

130 108.7 76.2 141.6



#36

Methylcyclohexane

Concen: 27.400 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

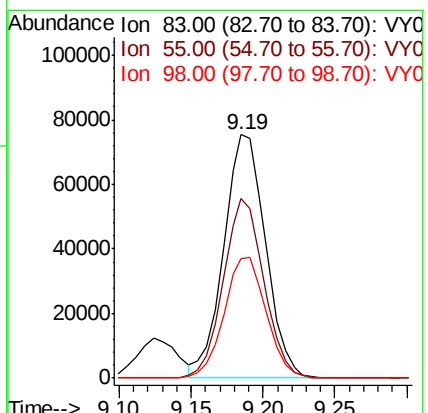
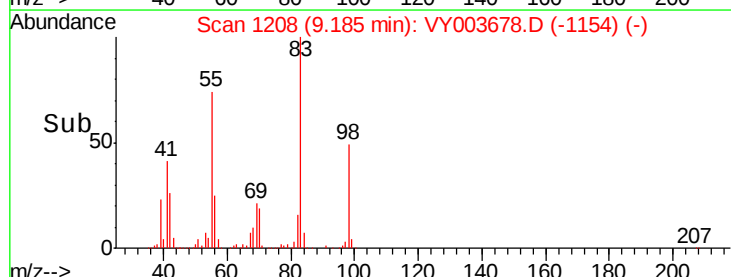
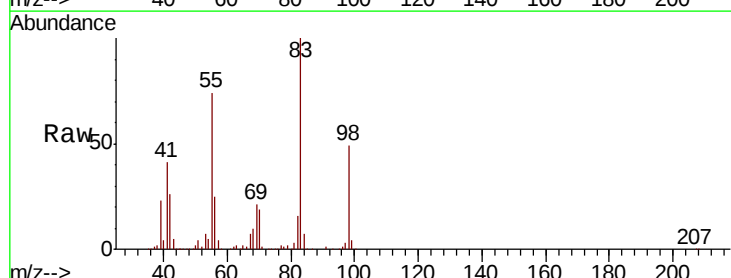
Tgt Ion: 83 Resp: 152624

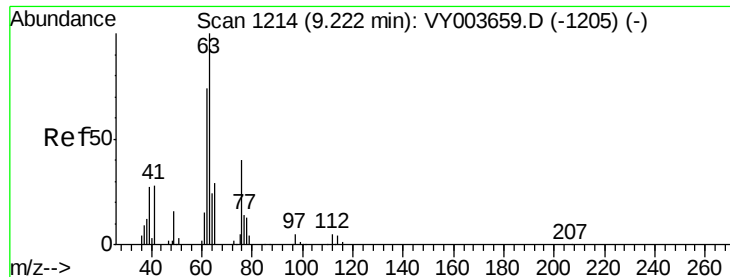
Ion Ratio Lower Upper

83 100

55 71.4 56.4 84.6

98 49.9 40.3 60.5





#40

1,2-Dichloropropane

Concen: 25.654 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

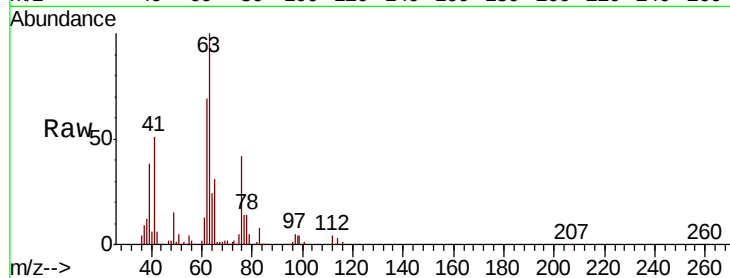
VSTD02588

Tot Ion: 63 Resp: 85179

Ion Ratio Lower Upper

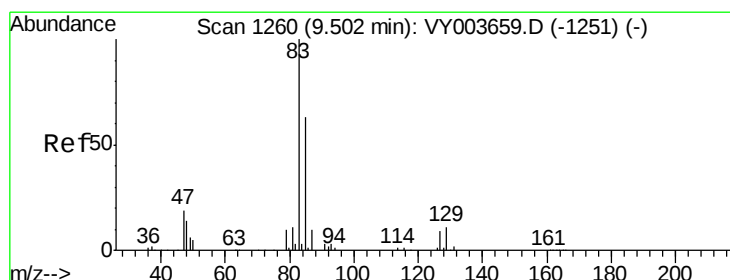
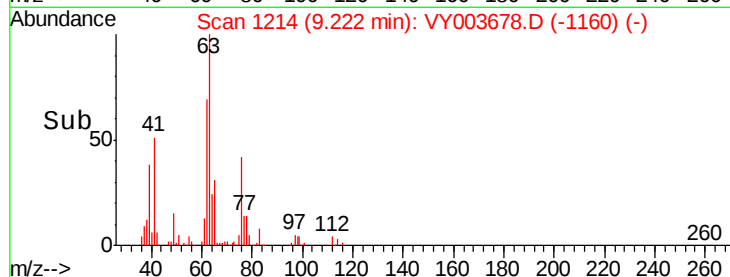
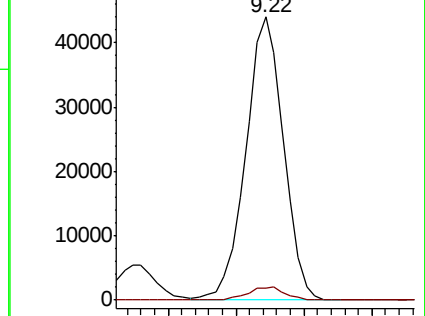
63 100

112 4.8 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.970 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

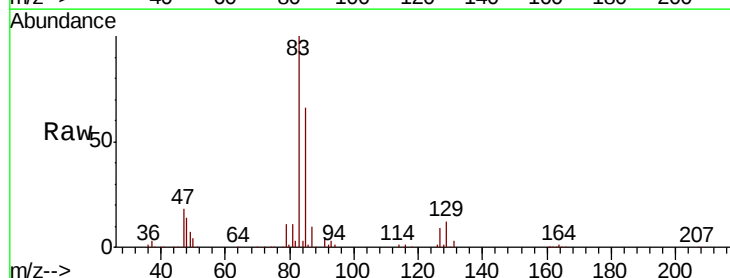
Tgt Ion: 83 Resp: 109559

Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.6

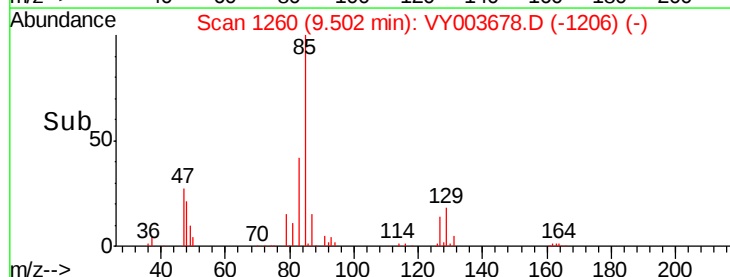
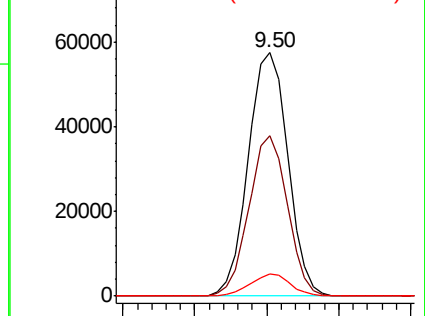
127 9.2 7.2 10.8

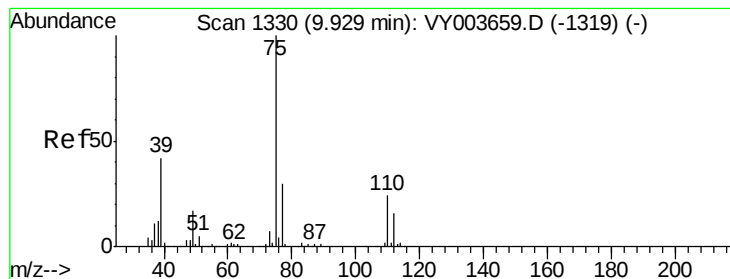


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



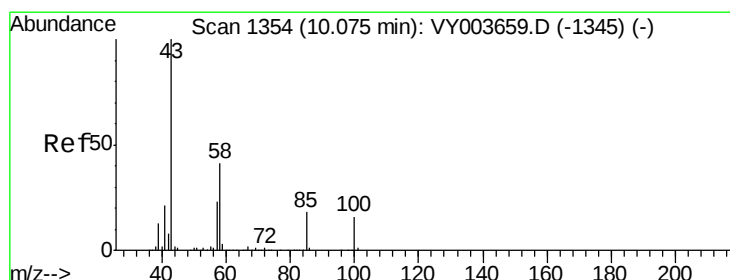
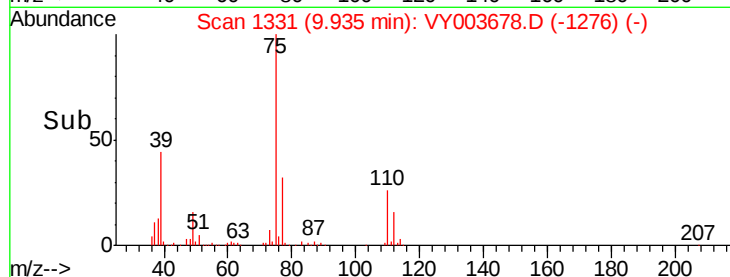
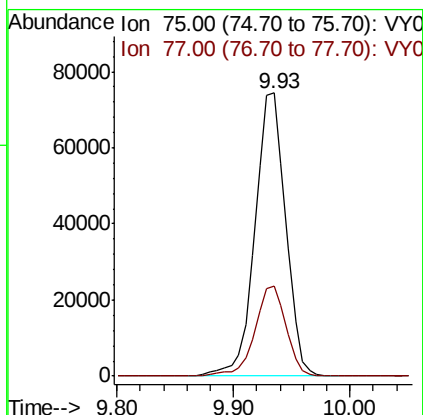
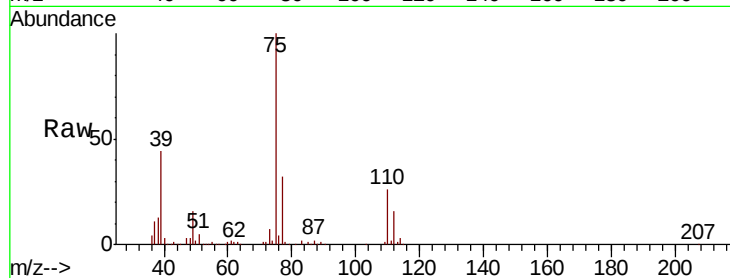


#42

cis-1,3-Dichloropropene
 Concen: 26.107 ug/L
 RT: 9.93 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

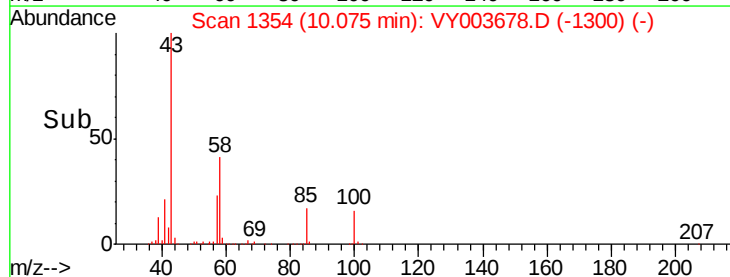
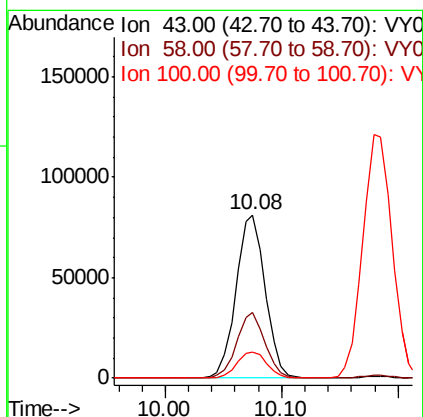
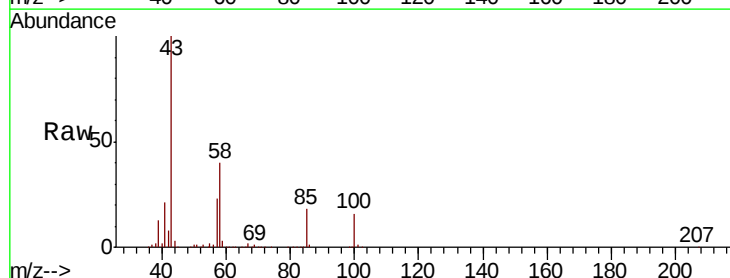
Tot Ion: 75 Resp: 136442
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.3 39.6

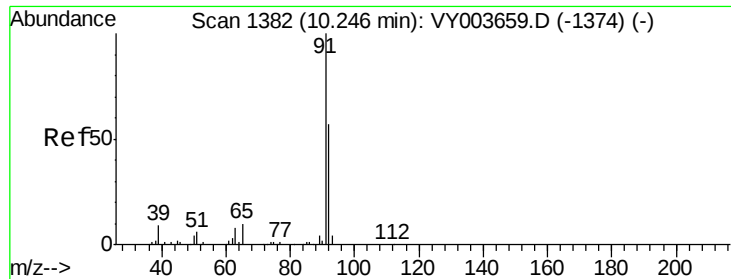


#43

4-Methyl-2-pentanone
 Concen: 45.398 ug/L
 RT: 10.08 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Tgt Ion: 43 Resp: 141592
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.5 47.3
 100 16.5 12.7 19.1





#44

Toluene

Concen: 26.871 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

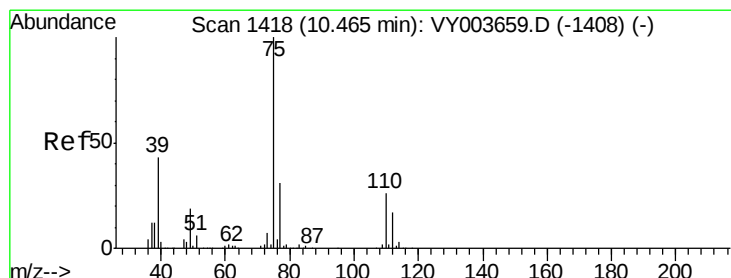
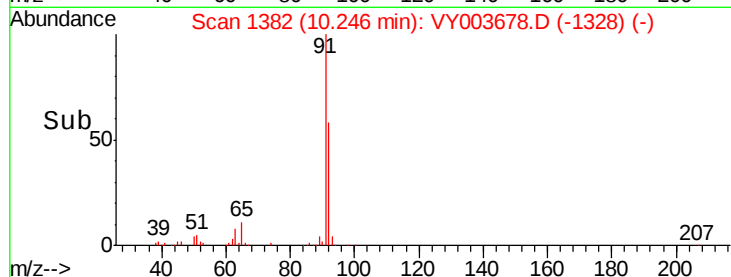
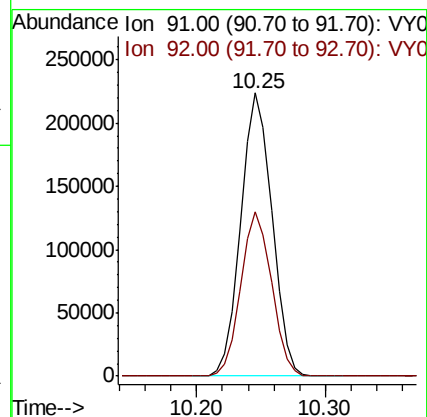
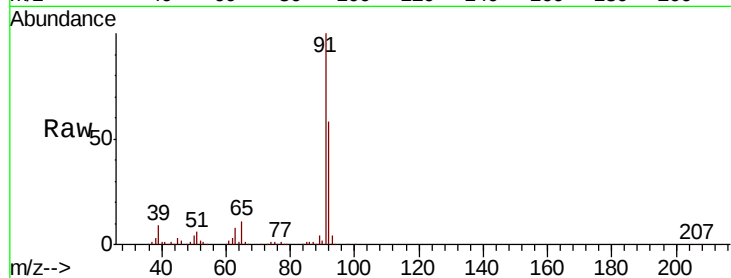
VSTD02588

Tot Ion: 91 Resp: 375262

Ion Ratio Lower Upper

91 100

92 58.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.021 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003678.D

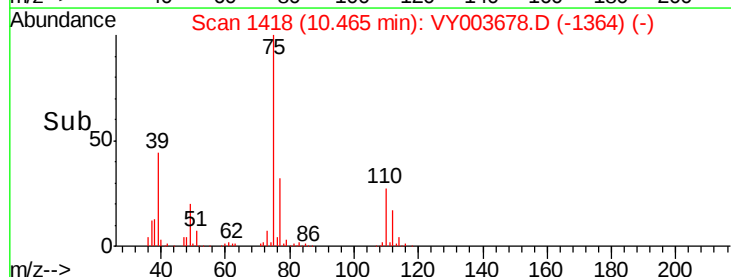
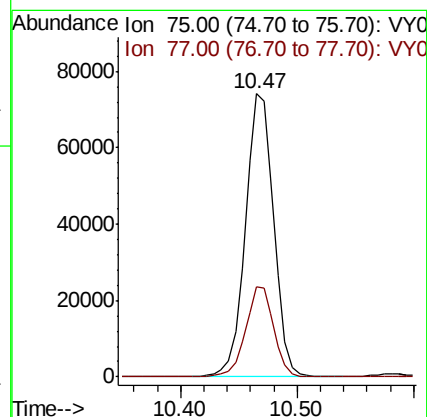
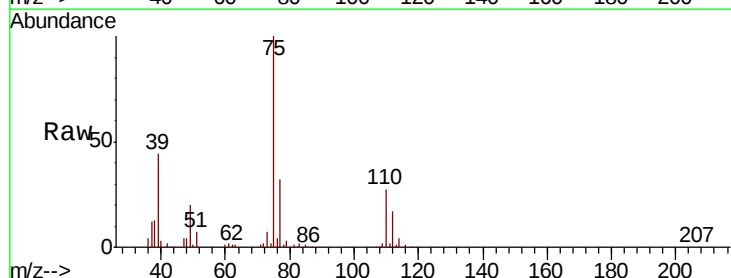
Acq: 08 Dec 2020 09:57

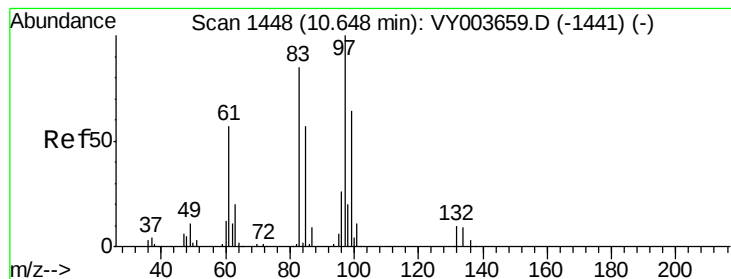
Tgt Ion: 75 Resp: 125350

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 25.352 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

Tot Ion: 97 Resp: 72575

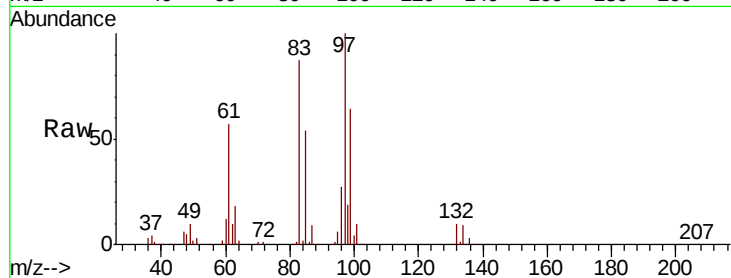
Ion Ratio Lower Upper

97 100

83 87.0 59.6 110.8

85 54.5 40.2 74.6

99 63.8 44.7 82.9



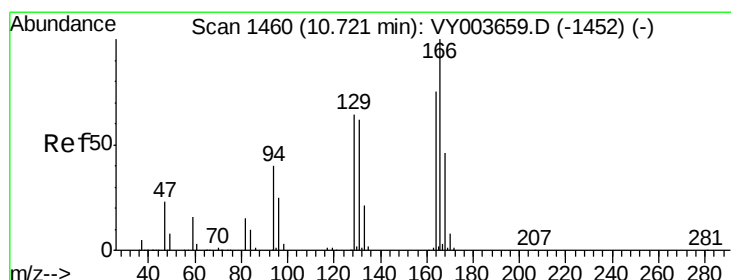
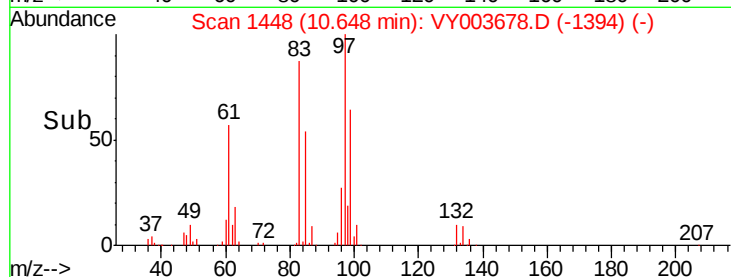
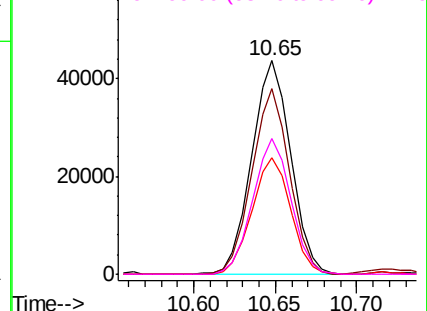
Abundance

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: 26.563 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Tgt Ion:164 Resp: 75191

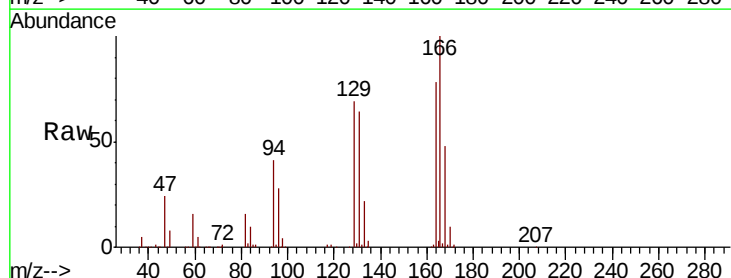
Ion Ratio Lower Upper

164 100

129 89.1 59.6 110.6

131 82.9 57.9 107.5

166 128.9 93.2 173.2



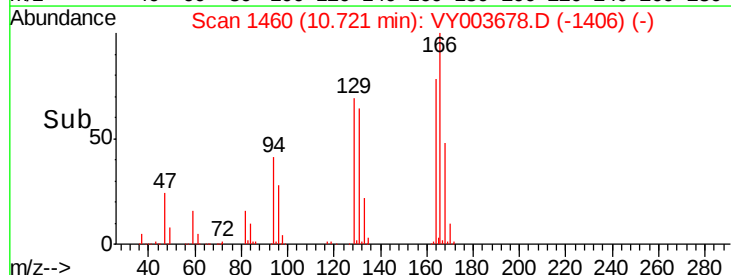
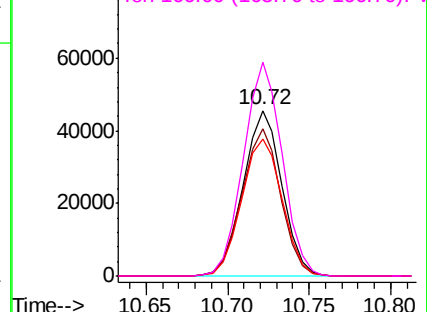
Abundance

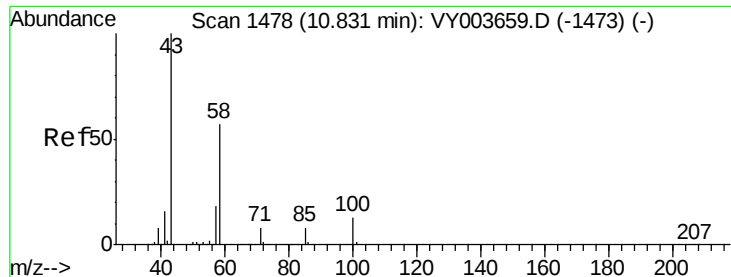
Ion 164.00 (163.70 to 164.70): V

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

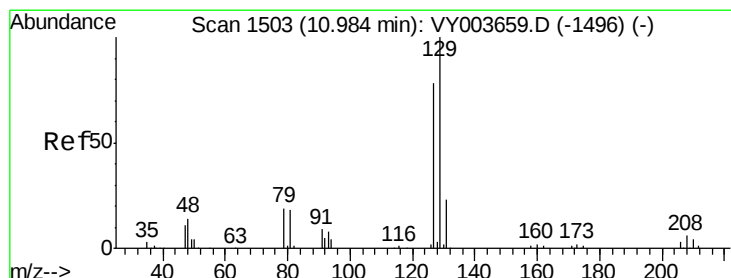
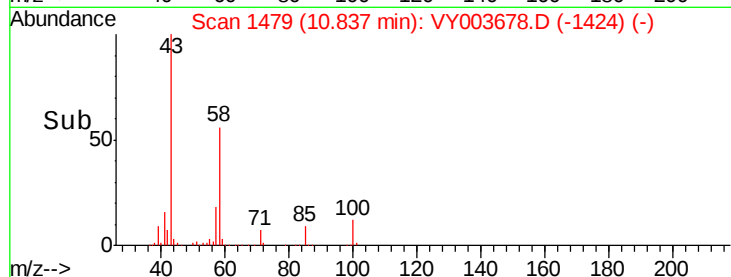
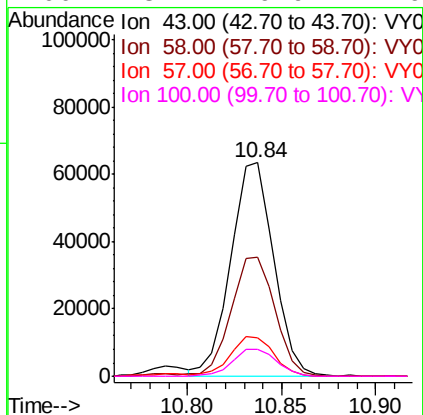
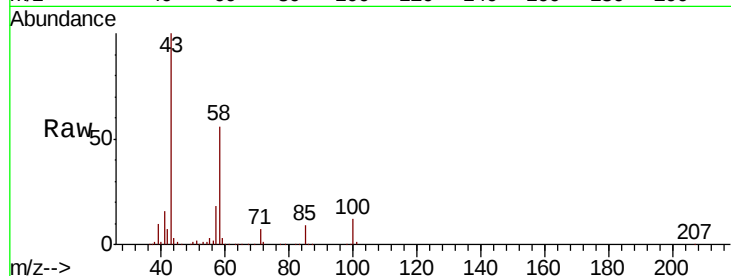




#49
2-Hexanone
Concen: 45.569 ug/L
RT: 10.84 min Scan# 1479
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

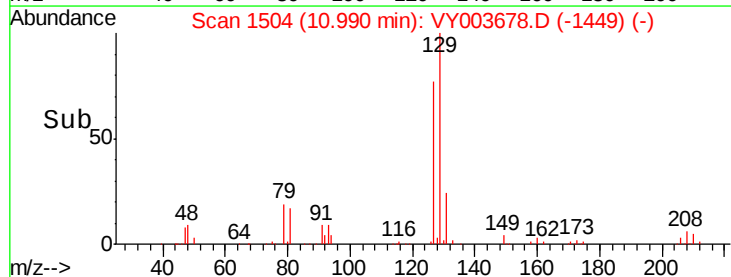
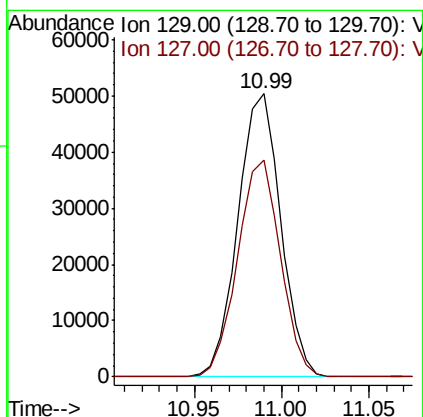
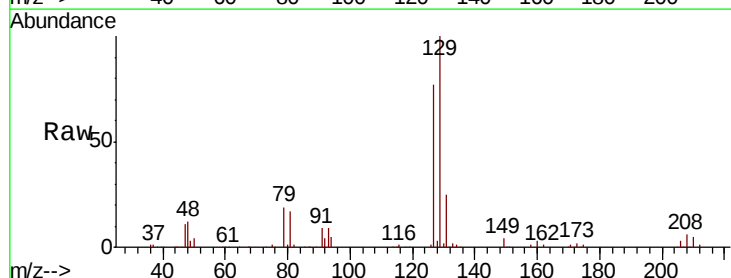
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02588

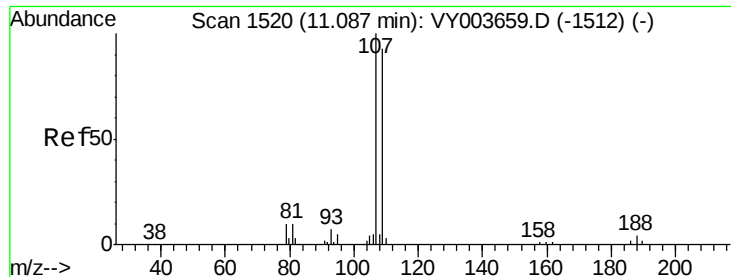
Tot Ion:	43	Resp:	99881
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.8	67.2
57	19.1	14.8	22.2
100	13.1	9.9	14.9



#50
Dibromochloromethane
Concen: 25.621 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion:	129	Resp:	85836
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.8	101.8

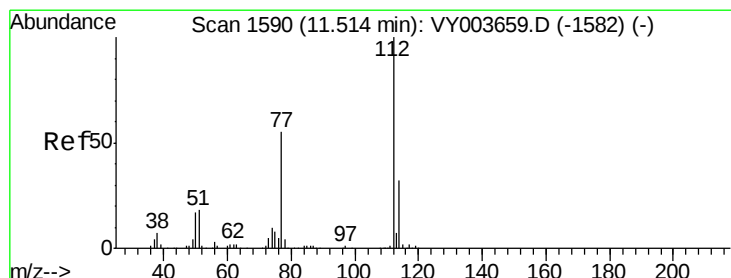
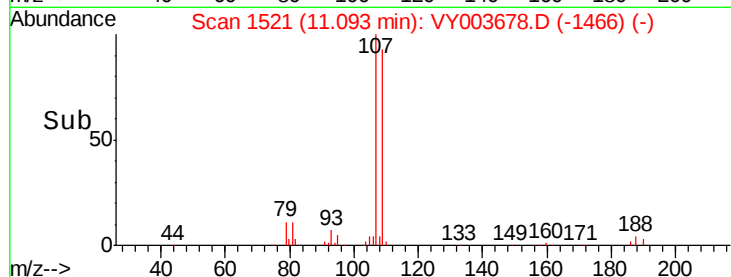
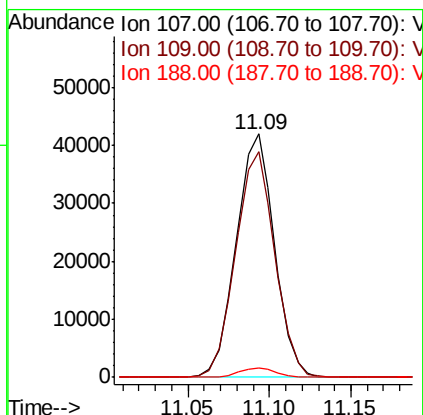
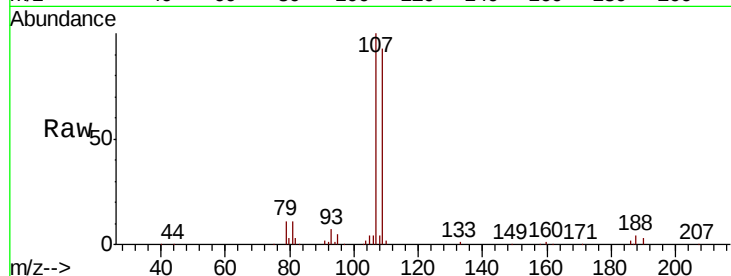




#51
1,2-Dibromoethane
Concen: 24.732 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

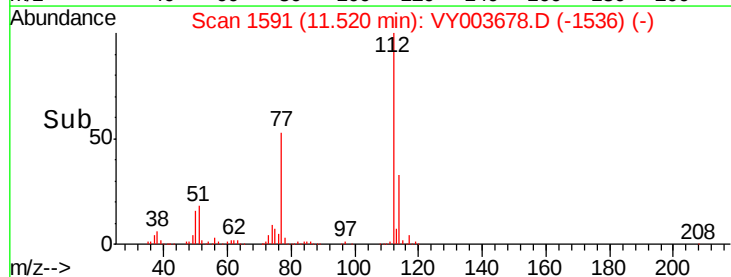
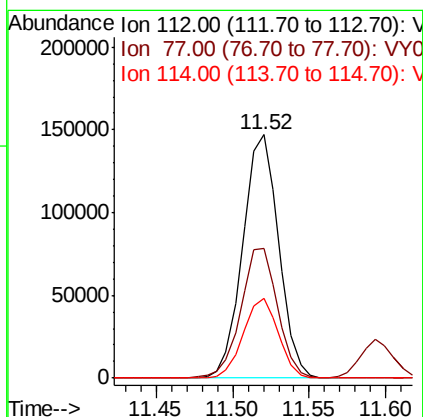
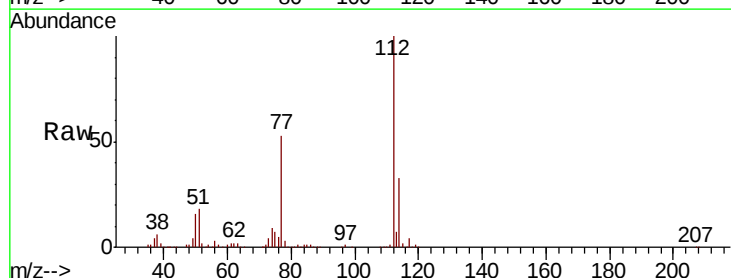
Instrument :
MSVOA_Y
ClientSampled :
VSTD02588

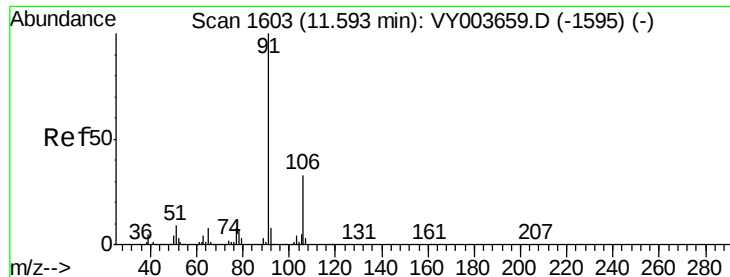
Tot Ion:107 Resp: 68508
Ion Ratio Lower Upper
107 100
109 92.8 65.2 121.0
188 3.7 3.0 4.6



#52
Chlorobenzene
Concen: 26.109 ug/L
RT: 11.52 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VY003678.D
Acq: 08 Dec 2020 09:57

Tgt Ion:112 Resp: 239955
Ion Ratio Lower Upper
112 100
77 53.2 44.4 66.6
114 33.0 22.4 41.6





#53

Ethylbenzene

Concen: 26.982 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

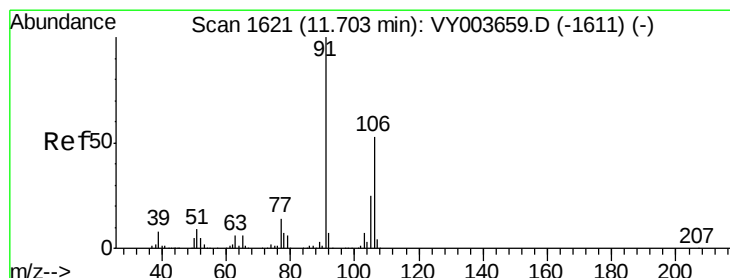
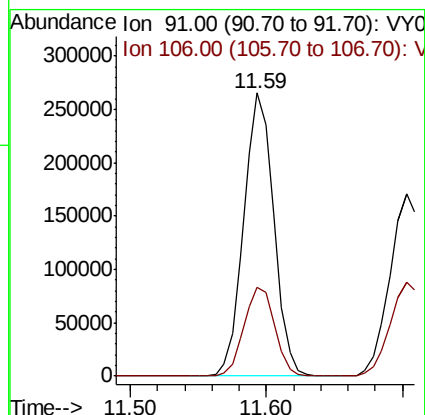
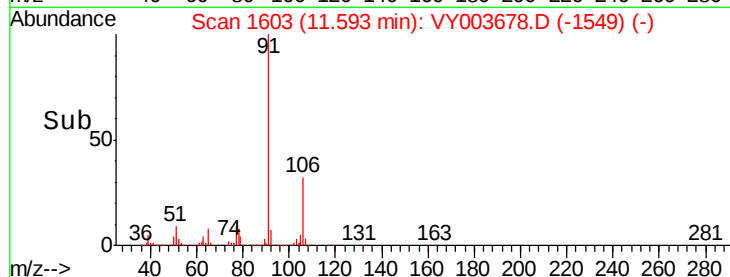
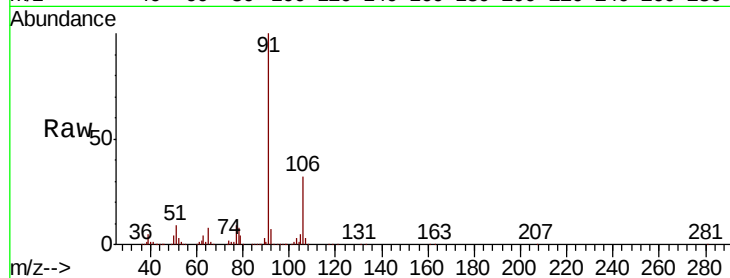
VSTD02588

Tot Ion: 91 Resp: 411228

Ion Ratio Lower Upper

91 100

106 31.6 23.3 43.3



#54

m,p-Xylene

Concen: 26.943 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003678.D

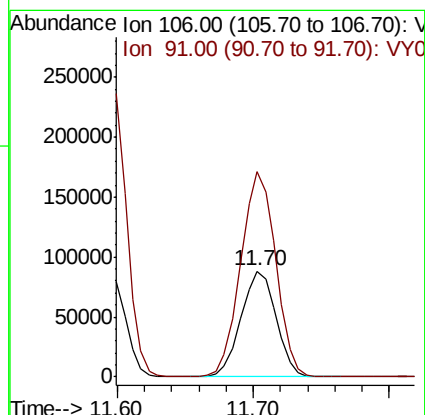
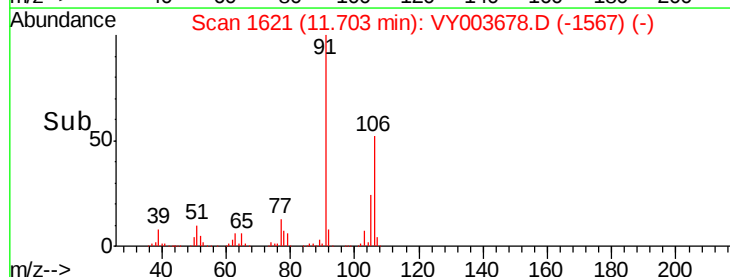
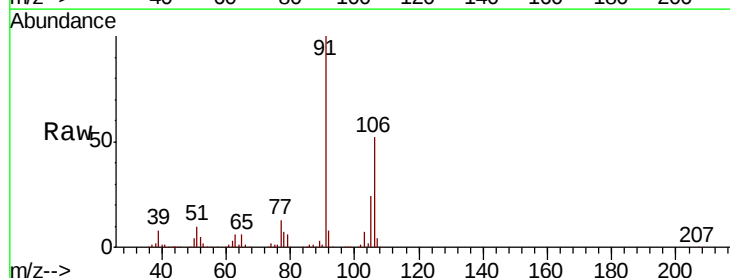
Acq: 08 Dec 2020 09:57

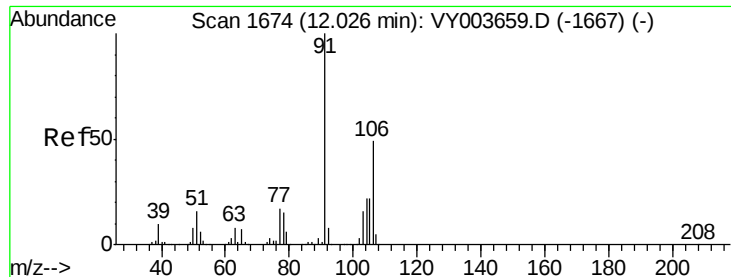
Tgt Ion: 106 Resp: 158415

Ion Ratio Lower Upper

106 100

91 194.0 131.3 243.9





#55

o-xylene

Concen: 27.192 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

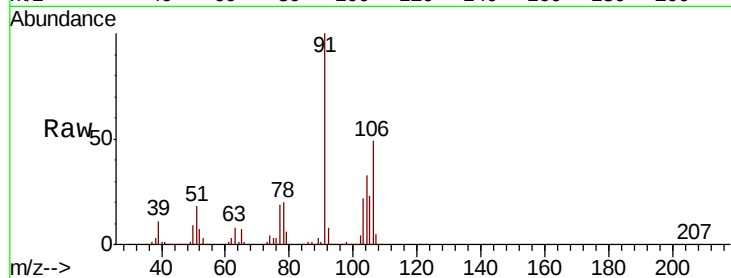
VSTD02588

Tot Ion:106 Resp: 153386

Ion Ratio Lower Upper

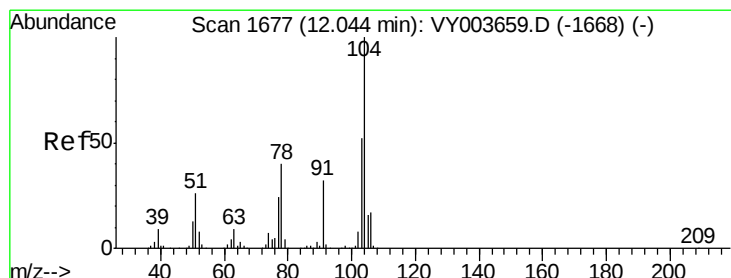
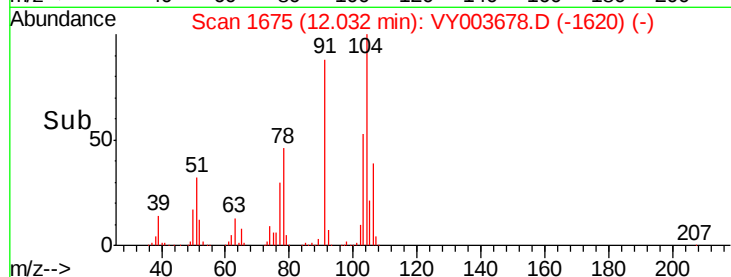
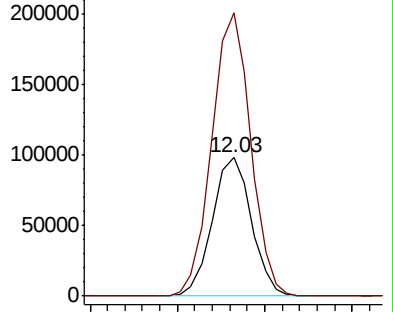
106 100

91 204.5 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 27.205 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003678.D

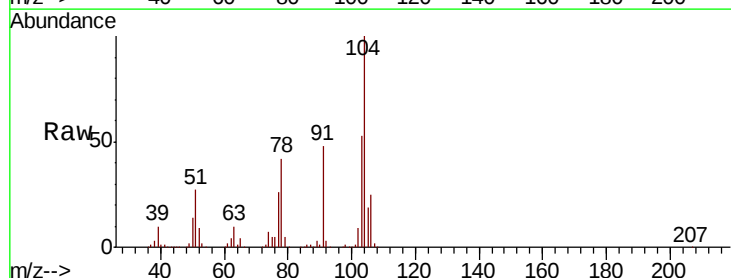
Acq: 08 Dec 2020 09:57

Tgt Ion:104 Resp: 262641

Ion Ratio Lower Upper

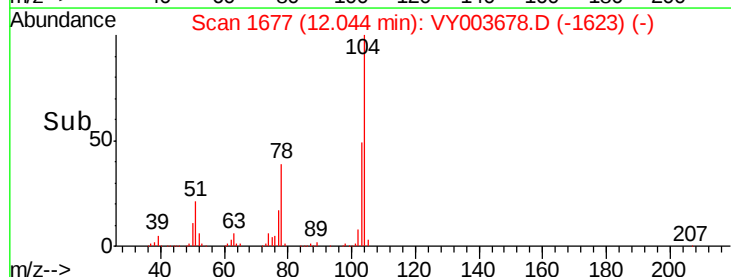
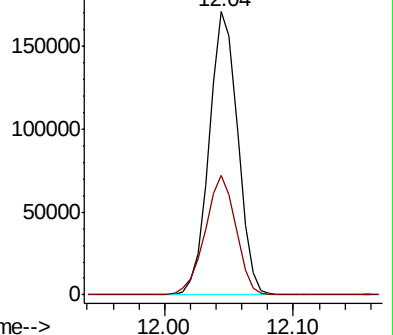
104 100

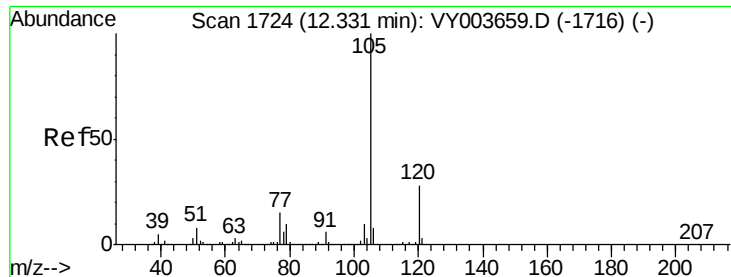
78 42.4 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 27.665 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

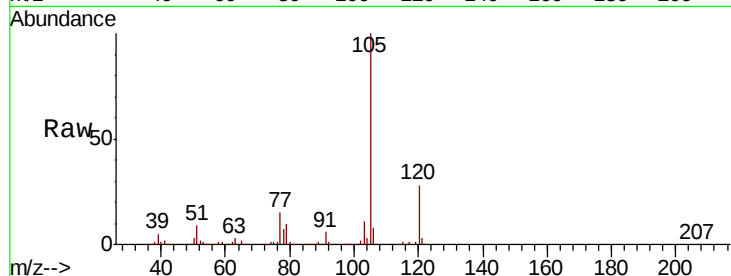
Tot Ion:105 Resp: 407997

Ion Ratio Lower Upper

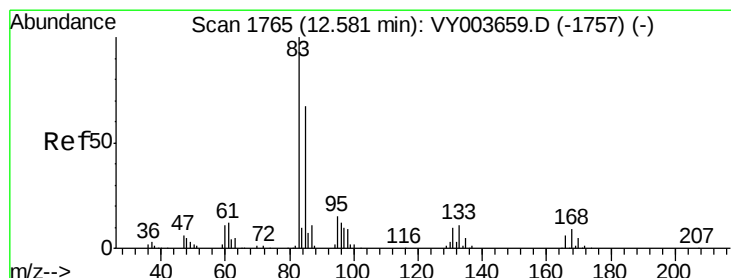
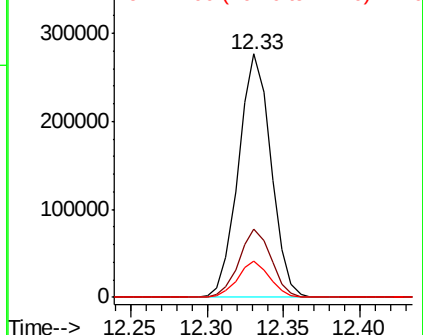
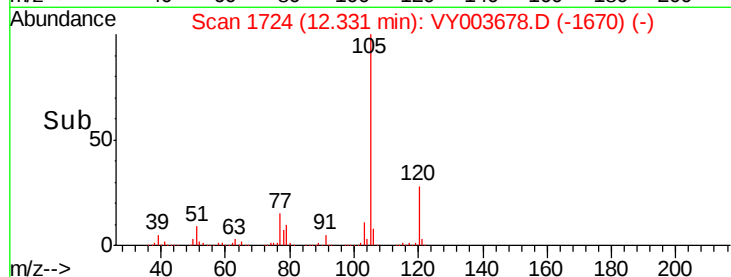
105 100

120 27.7 22.3 33.5

77 14.8 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003678.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 25.629 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

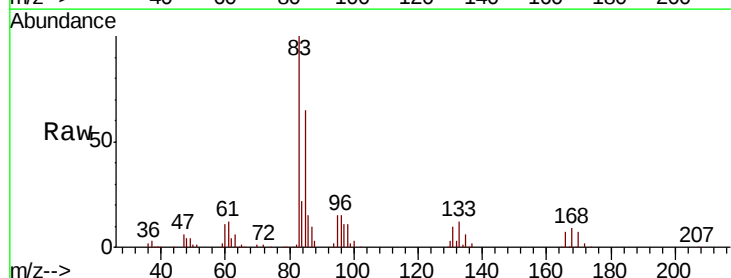
Tgt Ion: 83 Resp: 78660

Ion Ratio Lower Upper

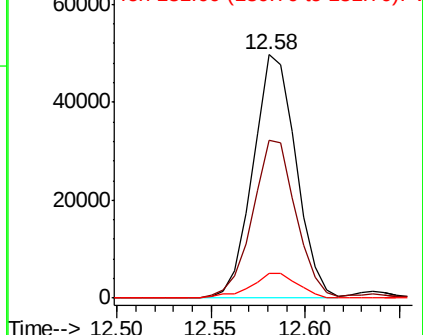
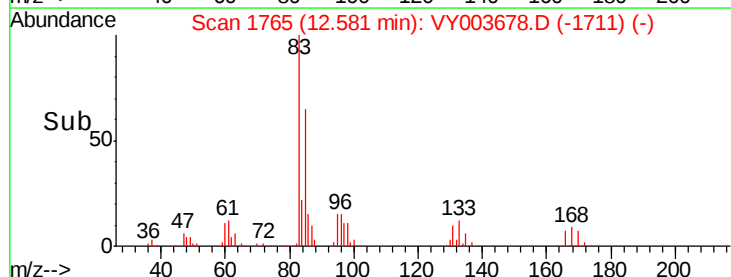
83 100

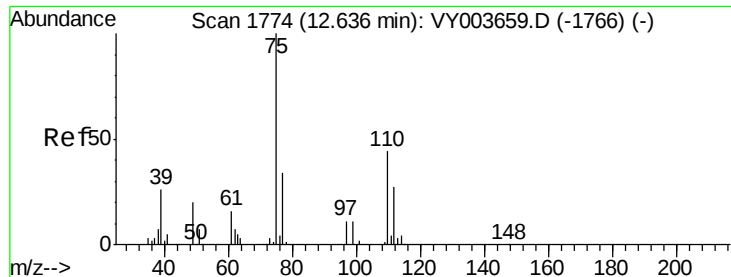
85 65.0 47.2 87.6

131 10.3 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VY003678.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 24.286 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

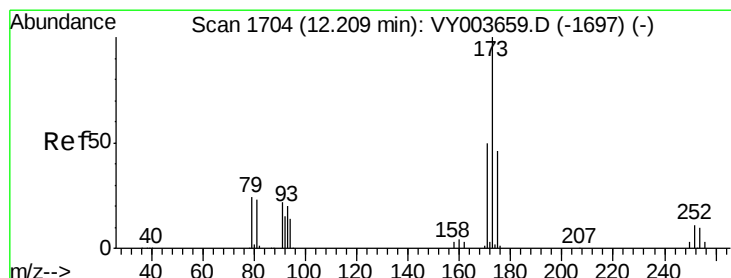
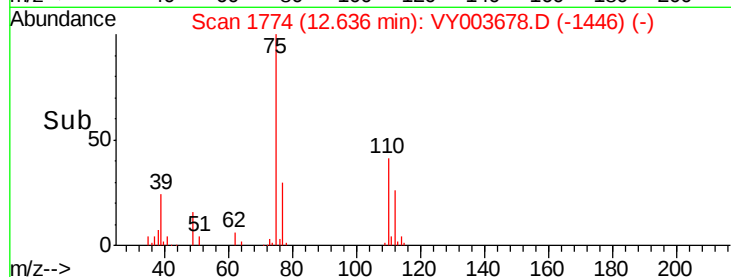
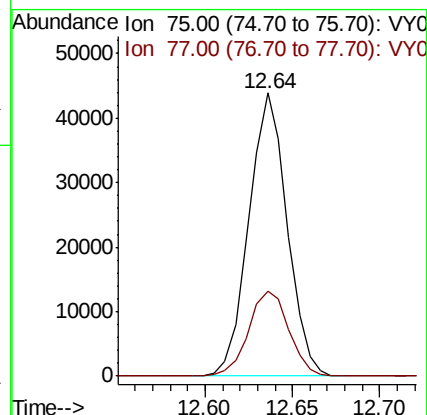
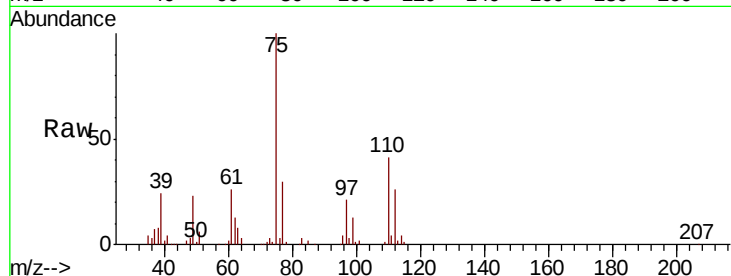
VSTD02588

Tot Ion: 75 Resp: 66642

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



#62

Bromoform

Concen: 24.612 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

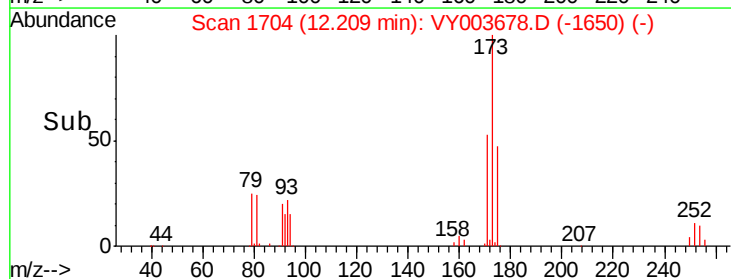
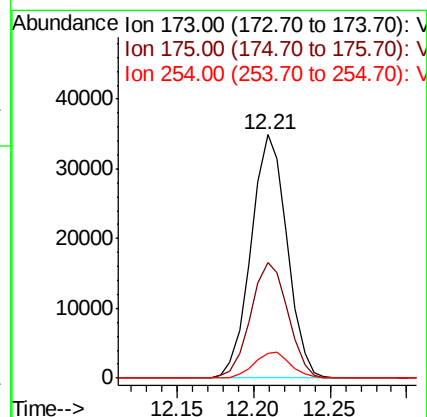
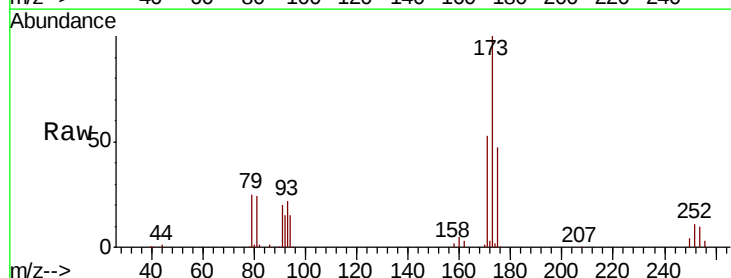
Tgt Ion: 173 Resp: 57204

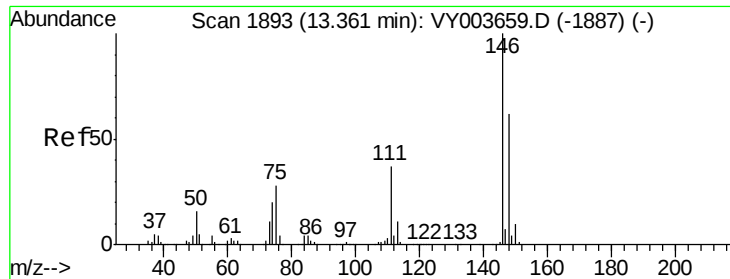
Ion Ratio Lower Upper

173 100

175 49.0 39.1 58.7

254 10.6 7.7 11.5

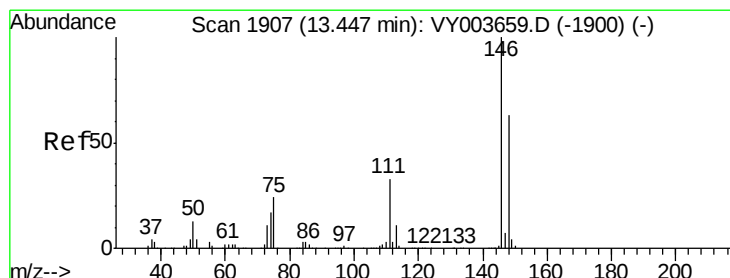
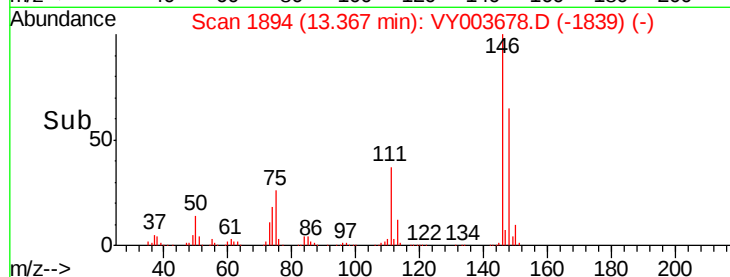
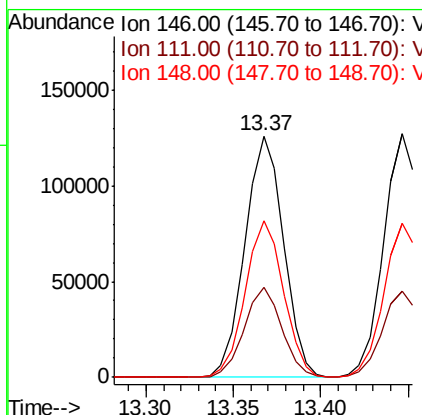
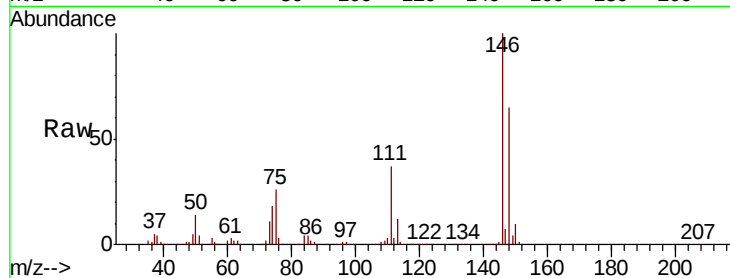




#63
 1,3-Dichlorobenzene
 Concen: 26.513 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

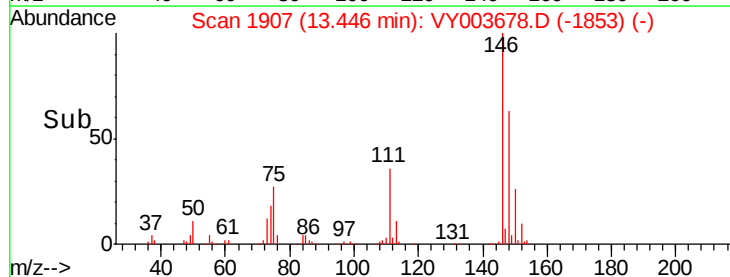
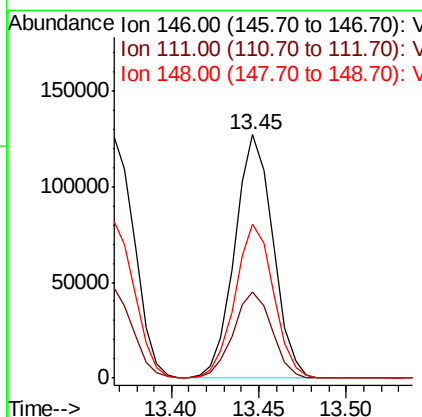
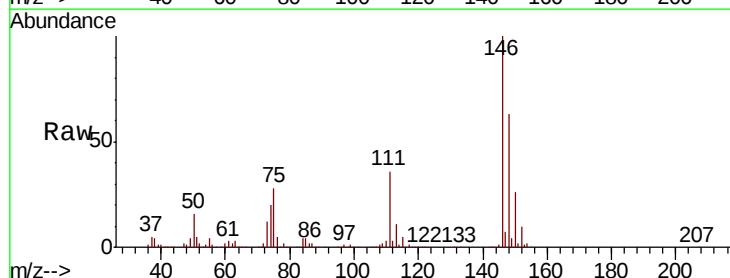
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02588

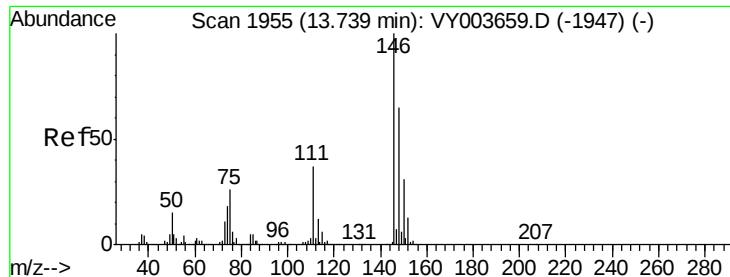
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.0	48.4
148	64.7	43.7	81.1



#64
 1,4-Dichlorobenzene
 Concen: 25.895 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	23.2	43.0
148	63.3	43.8	81.4

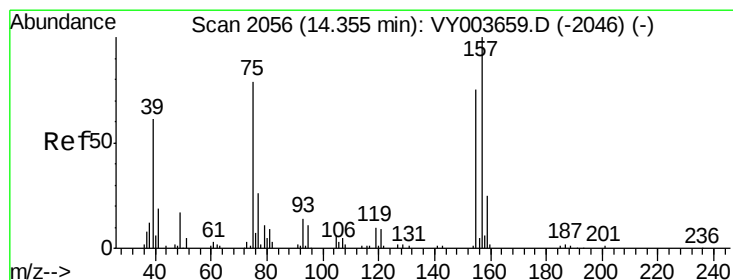
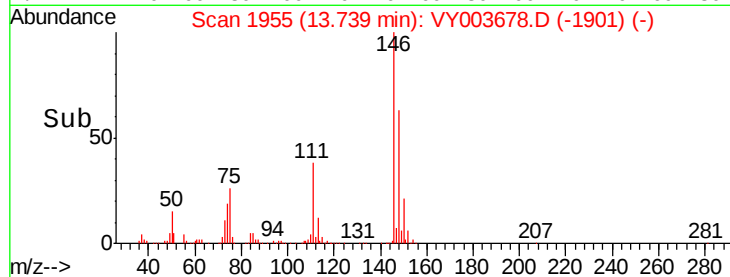
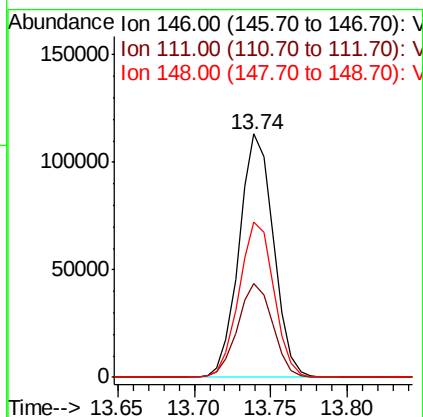
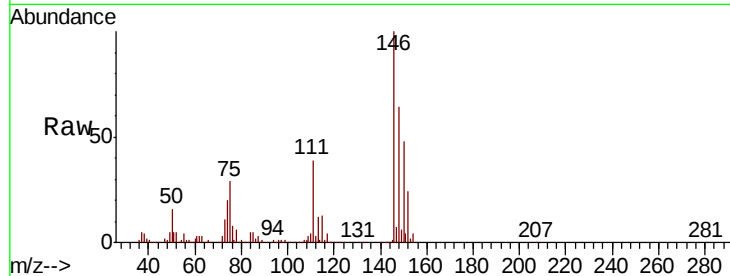




#65
 1,2-Dichlorobenzene
 Concen: 26.291 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

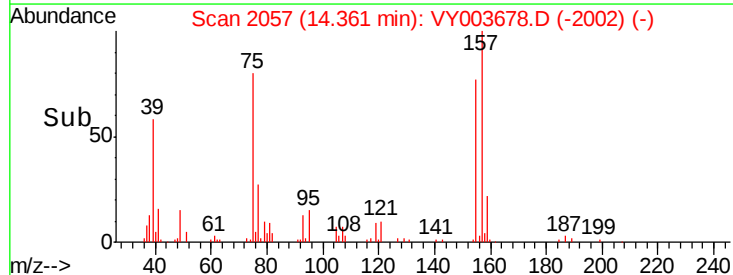
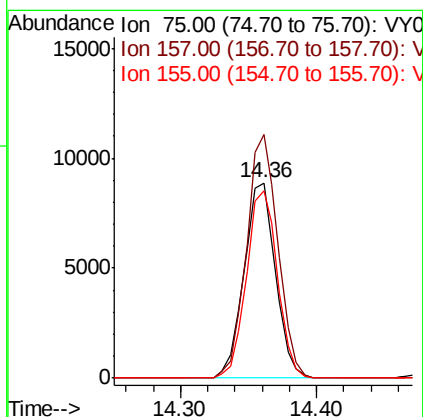
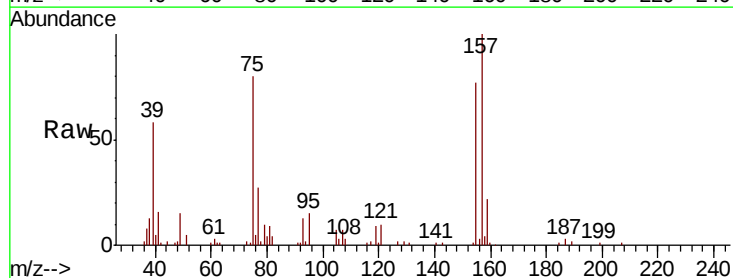
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02588

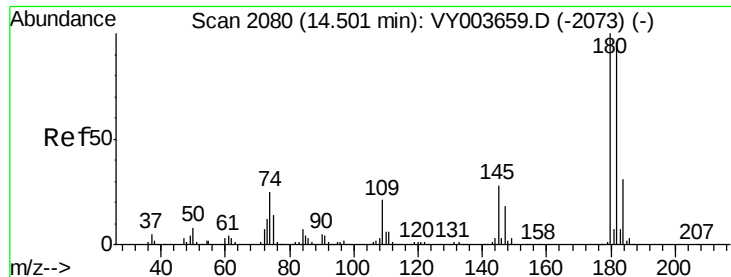
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.0	45.0
148	63.6	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.956 ug/L
 RT: 14.36 min Scan# 2057
 Delta R.T. 0.01 min
 Lab File: VY003678.D
 Acq: 08 Dec 2020 09:57

Tgt Ion	Ratio	Lower	Upper
75	100		
157	124.7	101.3	151.9
155	96.0	76.2	114.4





#67

1,3,5-Trichlorobenzene

Concen: 26.212 ug/L

RT: 14.51 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

Tot Ion:180 Resp: 135688

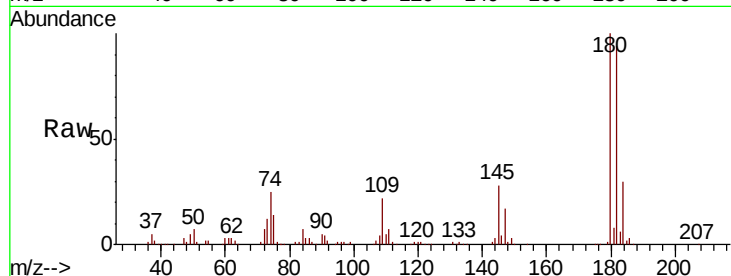
Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

184 30.4 24.2 36.2

145 27.9 22.2 33.2

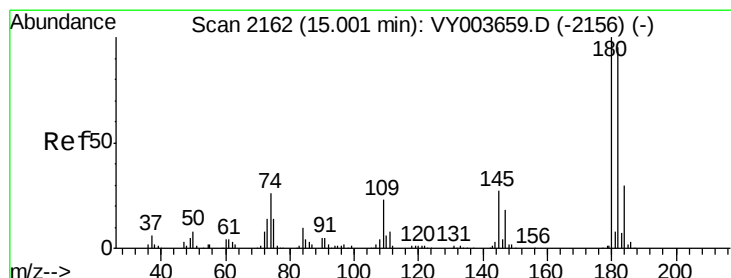
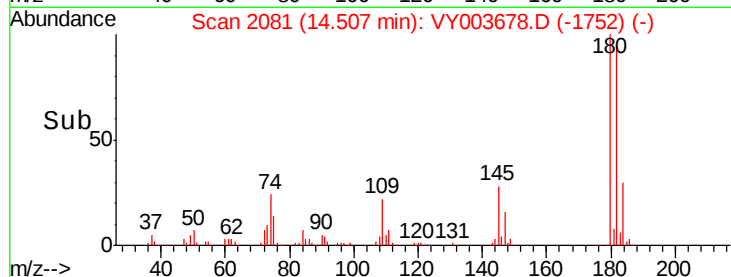
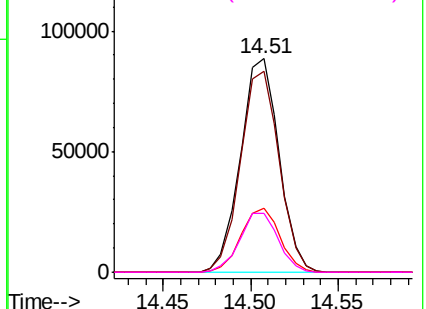


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.002 ug/L

RT: 15.01 min Scan# 2163

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

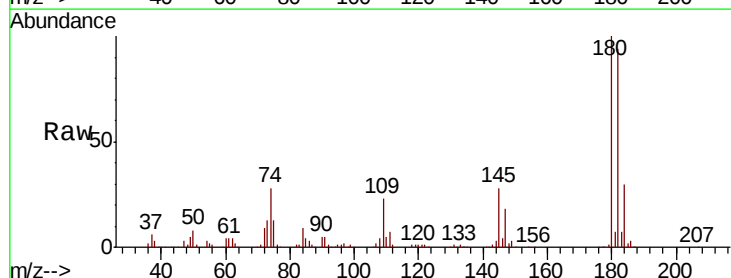
Tgt Ion:180 Resp: 114827

Ion Ratio Lower Upper

180 100

182 93.1 76.5 114.7

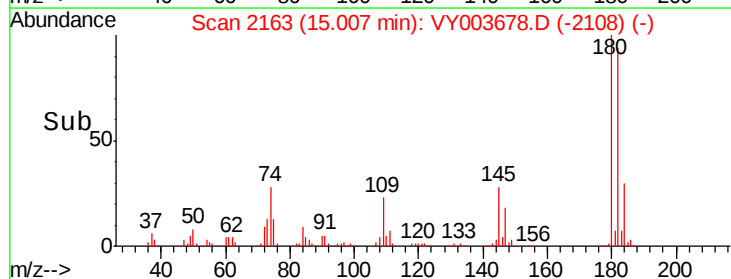
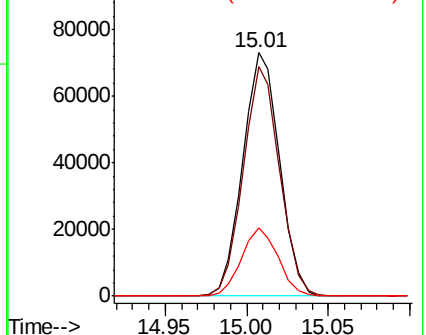
145 27.9 22.2 33.4

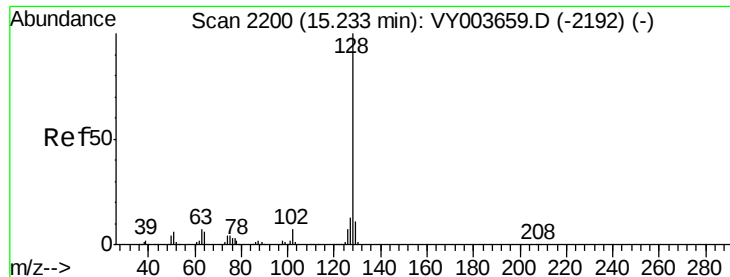


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.514 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02588

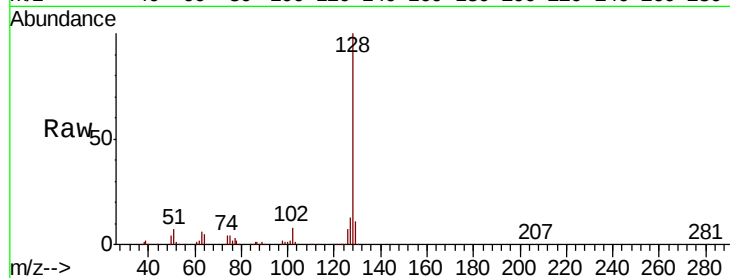
Tot Ion:128 Resp: 227049

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

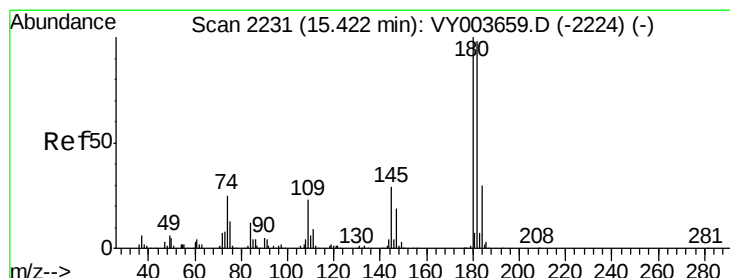
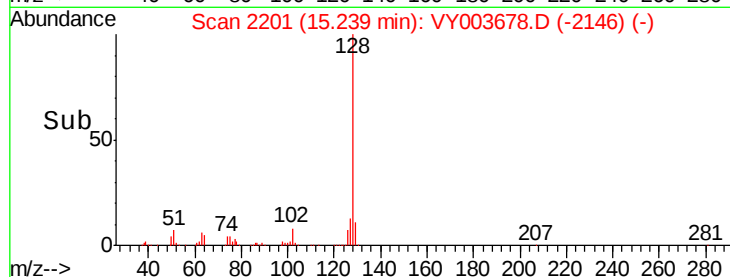
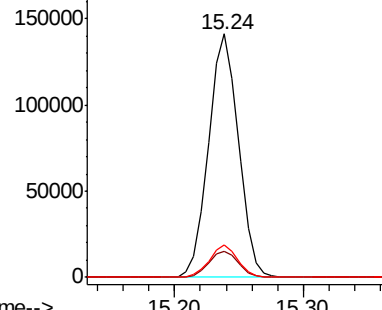
127 12.8 10.2 15.4



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



#70

1,2,3-Trichlorobenzene

Concen: 25.151 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003678.D

Acq: 08 Dec 2020 09:57

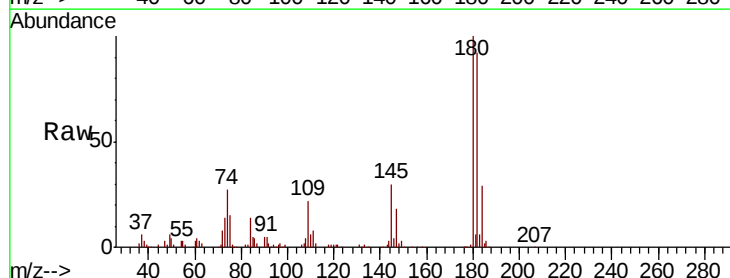
Tgt Ion:180 Resp: 101455

Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 29.4 24.2 36.4



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

