

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003655.D
 Acq On : 03 Dec 2020 20:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

Quant Time: Dec 04 00:27:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 00:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	227618	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	213858	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	117684	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	53557	18.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.04%
7) Chloroethane-d5	2.77	69	44878	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	3.86	63	123060	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.16%
21) 2-Butanone-d5	6.90	46	62919	49.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.56%
24) Chloroform-d	7.49	84	129910	22.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	8.15	65	71472	22.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.44%
32) Benzene-d6	8.12	84	263696	21.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	9.12	67	82214	22.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.84%
41) Toluene-d8	10.18	98	240736	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.68%
43) trans-1,3-Dichloropropene-	10.43	79	40181	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.76%
47) 2-Hexanone-d5	10.79	63	50745	51.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.60%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	76090	20.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	94419	22.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	65061	24.628	ug/L 100
3) Chloromethane	2.12	50	71086	24.812	ug/L 98
5) Vinyl chloride	2.26	62	74146	24.119	ug/L 96
6) Bromomethane	2.66	94	47442	24.647	ug/L 100
8) Chloroethane	2.80	64	47424	24.707	ug/L 97
9) Trichlorofluoromethane	3.14	101	119410	25.594	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	76696	24.626	ug/L 99
12) 1,1-Dichloroethene	3.88	96	74508	25.181	ug/L 93
13) Acetone	3.96	43	40605	44.375	ug/L 94
14) Carbon disulfide	4.20	76	241381	24.694	ug/L 99
15) Methyl Acetate	4.49	43	56383	25.587	ug/L 96
16) Methylene chloride	4.73	84	89892	23.395	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	80703	24.835	ug/L 98
18) Methyl tert-butyl Ether	5.23	73	209964	26.437	ug/L 99
19) 1,1-Dichloroethane	6.03	63	139253	25.457	ug/L 100
20) cis-1,2-Dichloroethene	7.00	96	89379	26.227	ug/L 93
22) 2-Butanone	7.00	43	71983	46.792	ug/L 98

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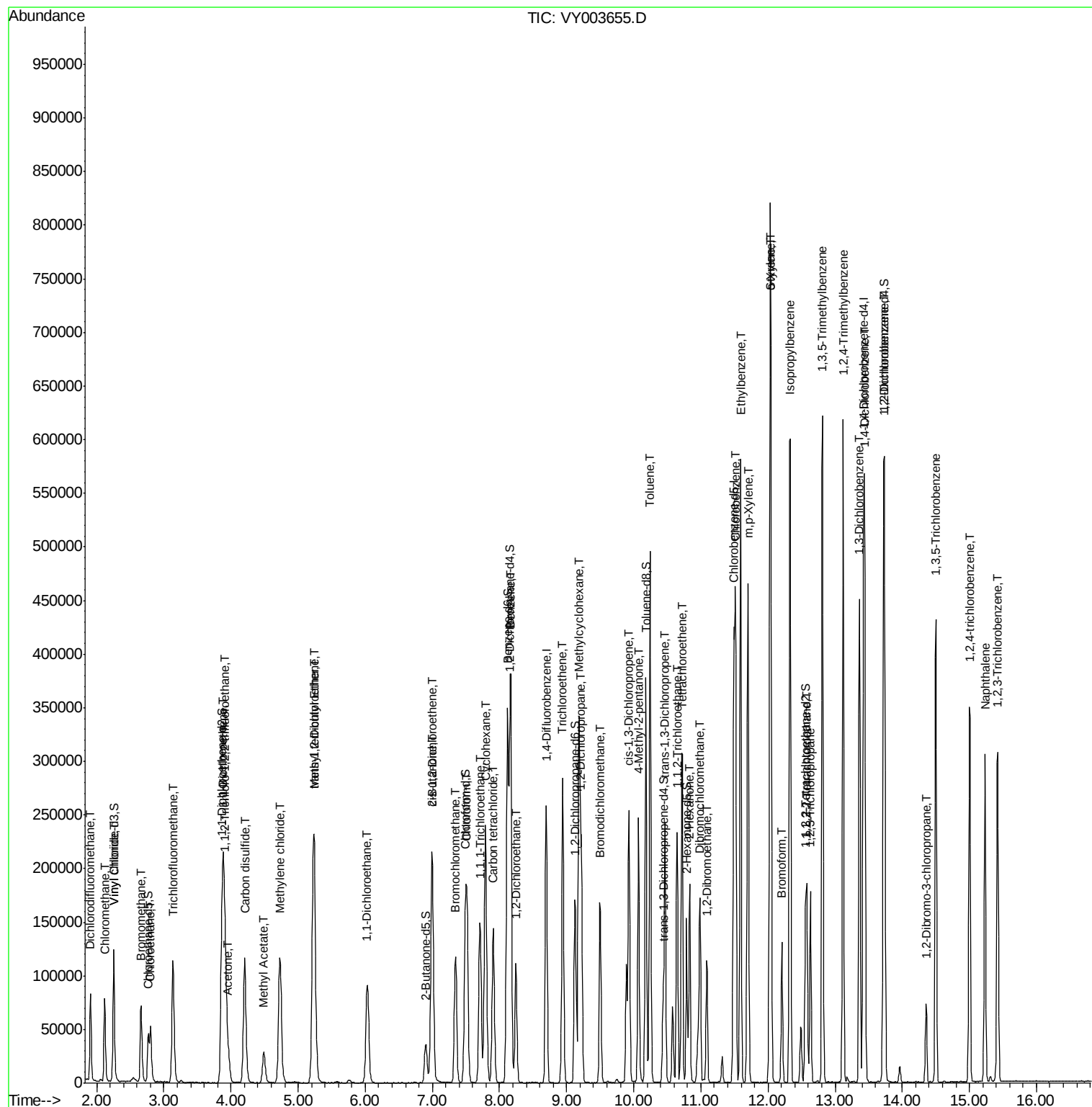
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	43024	25.887	ug/L	97
25) Chloroform	7.51	83	141835	25.881	ug/L	99
27) 1,2-Dichloroethane	8.25	62	94438	26.179	ug/L	95
29) Cyclohexane	7.79	56	127235	25.059	ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	123177	25.265	ug/L	98
31) Carbon tetrachloride	7.90	117	112055	25.464	ug/L	97
33) Benzene	8.17	78	332617	25.448	ug/L	100
34) Trichloroethene	8.94	95	91767	28.129	ug/L	99
35) Methylcyclohexane	9.19	83	143197	25.671	ug/L	98
37) 1,2-Dichloropropane	9.22	63	85735	25.841	ug/L	99
38) Bromodichloromethane	9.50	83	107912	25.839	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	133231	25.993	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	160449	55.082	ug/L	99
42) Toluene	10.25	91	357360	26.027	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	123257	26.052	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	72233	25.925	ug/L	96
46) Tetrachloroethene	10.72	164	70782	25.350	ug/L	99
48) 2-Hexanone	10.83	43	113601	53.422	ug/L	97
49) Dibromochloromethane	10.98	129	84280	26.174	ug/L	99
50) 1,2-Dibromoethane	11.09	107	70929	26.320	ug/L	99
51) Chlorobenzene	11.51	112	233302	26.372	ug/L	98
52) Ethylbenzene	11.59	91	389102	26.484	ug/L	99
53) m,p-Xylene	11.70	106	151455	26.360	ug/L	97
54) o-Xylene	12.03	106	145871	26.880	ug/L	96
55) Styrene	12.04	104	253467	27.299	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	77578	21.012	ug/L	97
59) Bromoform	12.21	173	58148	25.168	ug/L	99
60) Isopropylbenzene	12.33	105	387765	25.774	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	69936	24.851	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	309924	25.978	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	312593	26.520	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	186279	25.590	ug/L	97
65) 1,4-Dichlorobenzene	13.45	146	188802	25.526	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	175237	25.639	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	16065	24.600	ug/L	94
69) 1,3,5-Trichlorobenzene	14.50	180	132290	25.870	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	110935	25.469	ug/L	100
71) Naphthalene	15.23	128	245237	25.790	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	104662	26.163	ug/L	98

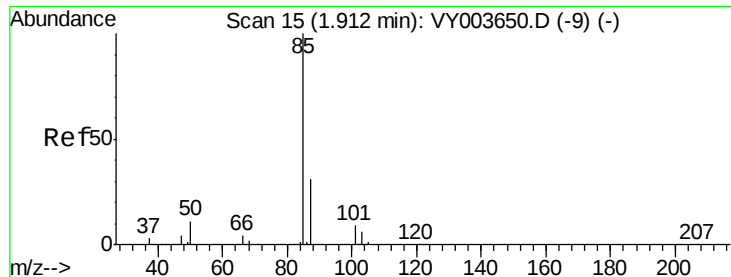
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.628 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

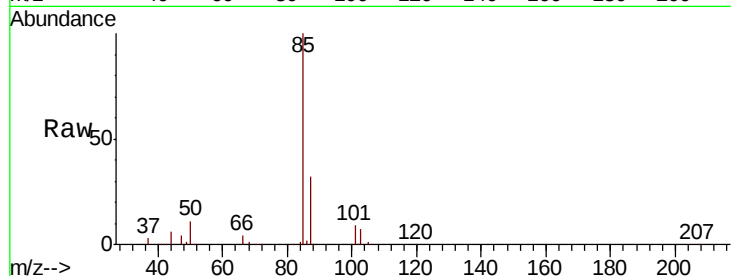
VSTD025412

Tot Ion: 85 Resp: 65061

Ion Ratio Lower Upper

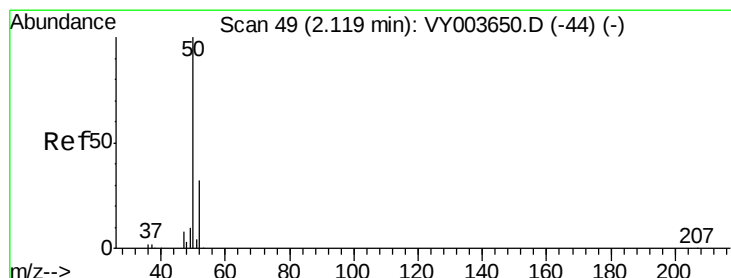
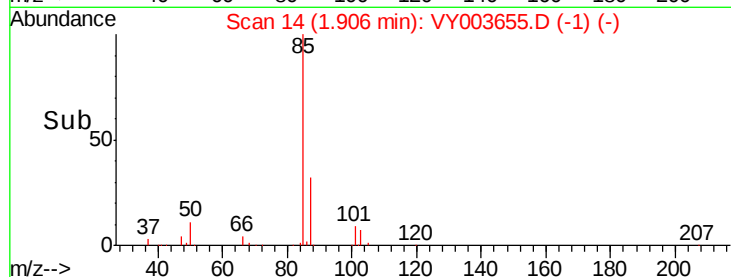
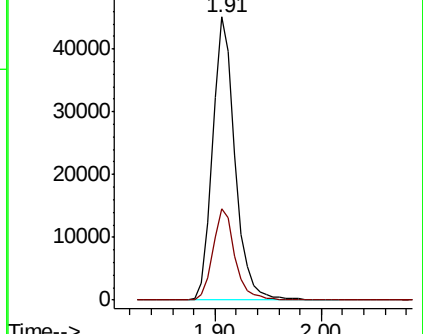
85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 24.812 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003655.D

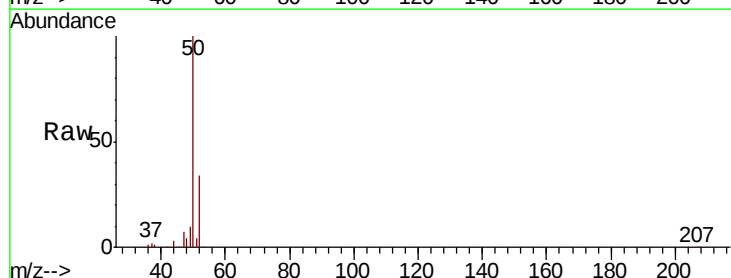
Acq: 03 Dec 2020 20:11

Tgt Ion: 50 Resp: 71086

Ion Ratio Lower Upper

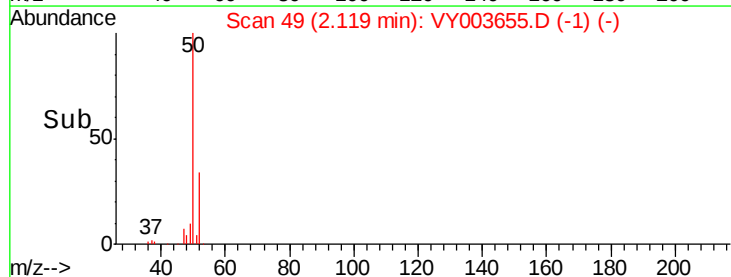
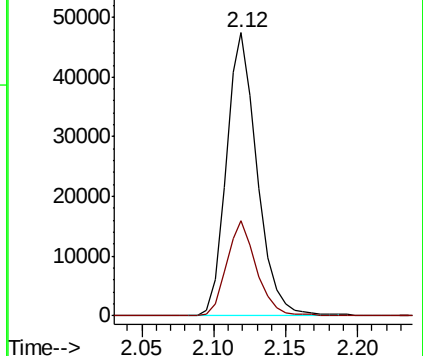
50 100

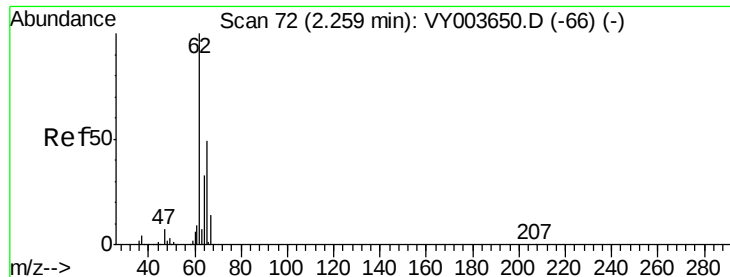
52 33.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.119 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

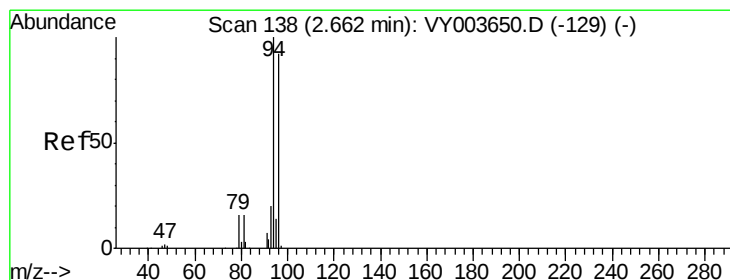
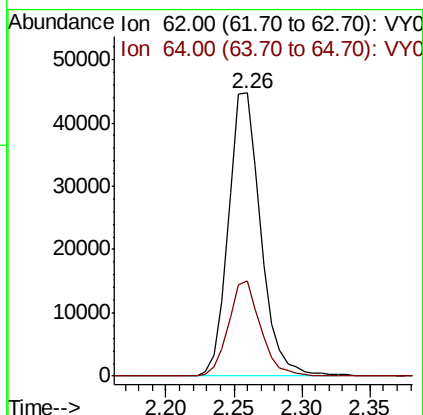
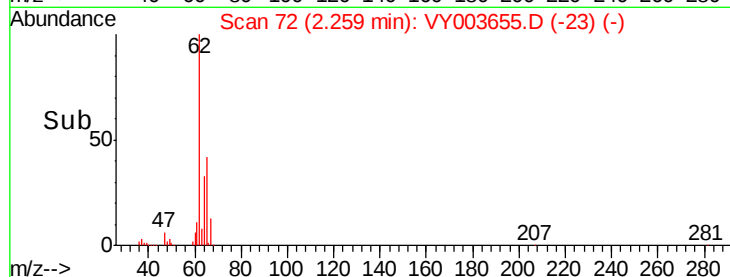
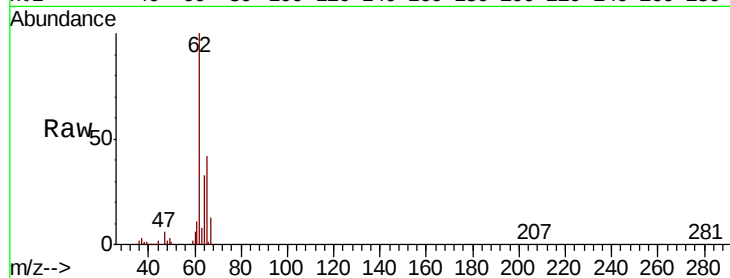
VSTD025412

Tot Ion: 62 Resp: 74146

Ion Ratio Lower Upper

62 100

64 33.4 21.9 40.7



#6

Bromomethane

Concen: 24.647 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003655.D

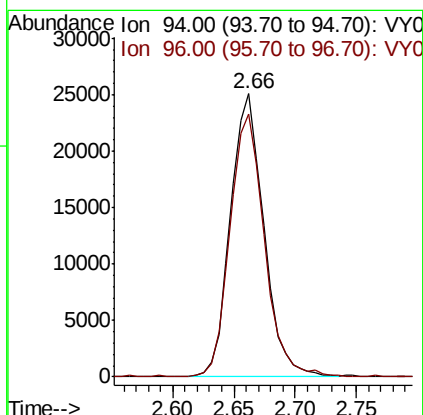
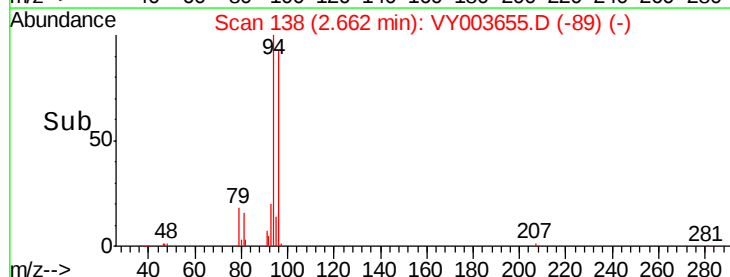
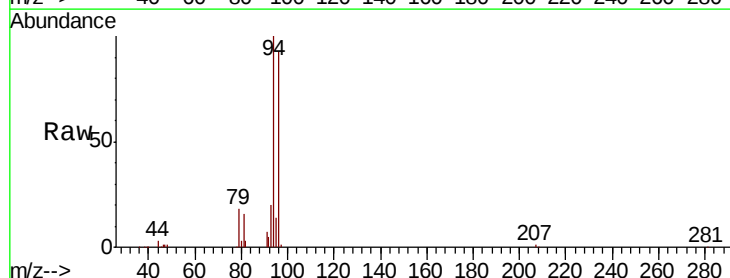
Acq: 03 Dec 2020 20:11

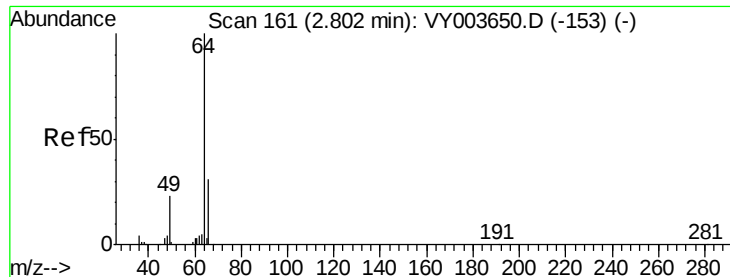
Tgt Ion: 94 Resp: 47442

Ion Ratio Lower Upper

94 100

96 92.9 65.2 121.0





#8

Chloroethane

Concen: 24.707 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

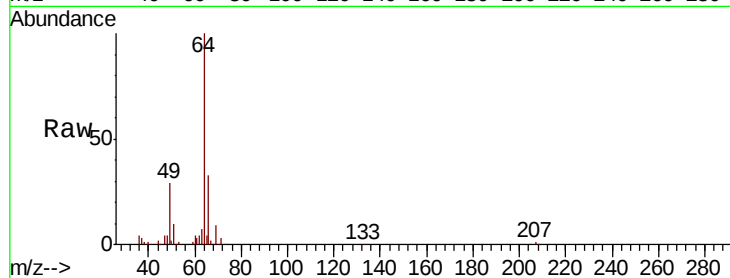
VSTD025412

Tot Ion: 64 Resp: 47424

Ion Ratio Lower Upper

64 100

66 33.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

25000

20000

15000

10000

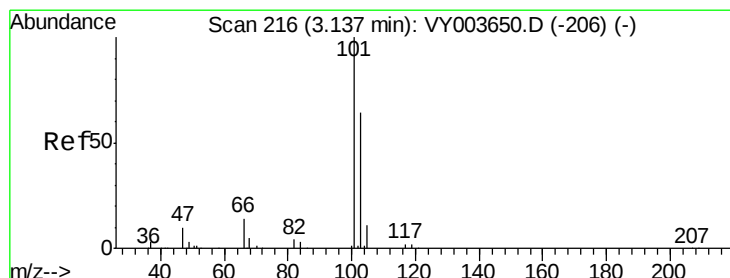
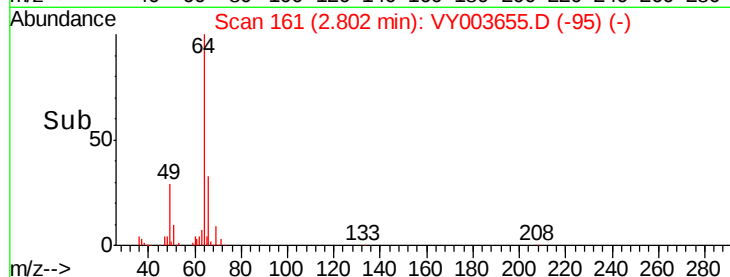
5000

0

2.80

2.70 2.80 2.90

Time-->



#9

Trichlorofluoromethane

Concen: 25.594 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003655.D

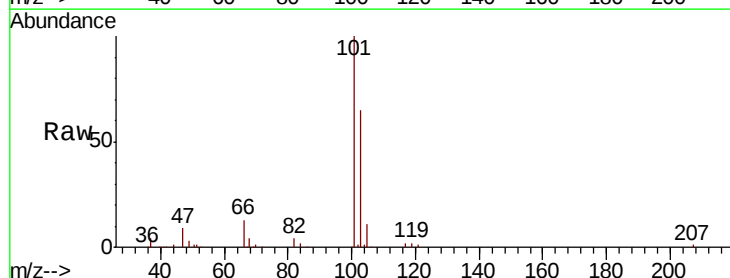
Acq: 03 Dec 2020 20:11

Tgt Ion: 101 Resp: 119410

Ion Ratio Lower Upper

101 100

103 64.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

60000

50000

40000

30000

20000

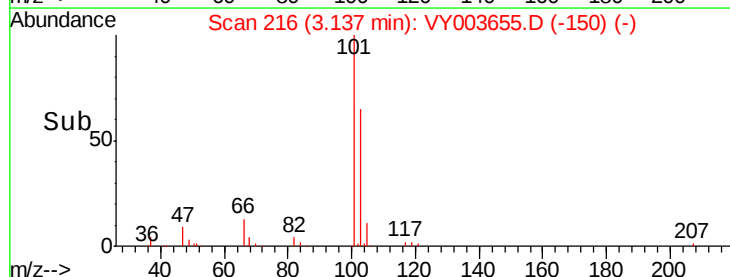
10000

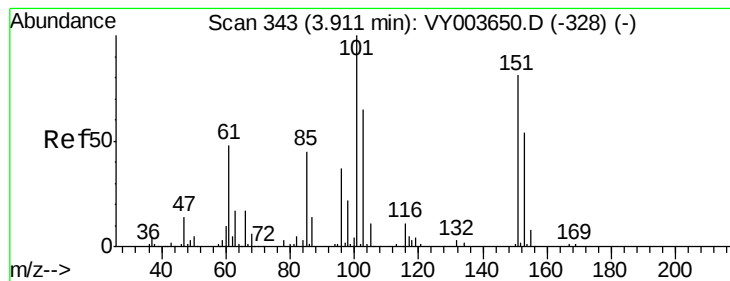
0

3.14

3.10 3.20

Time-->





#10

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

Concen: 24.626 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

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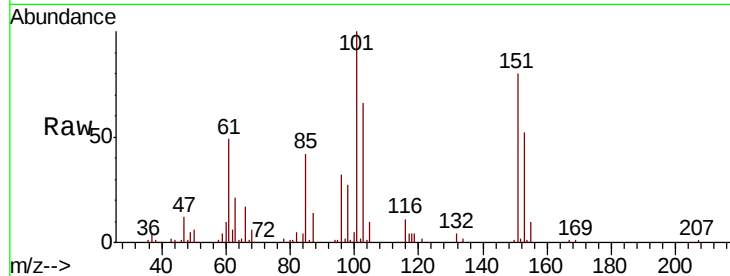
Tot Ion:101 Resp: 76696

Ion Ratio Lower Upper

101 100

85 41.9 35.6 53.4

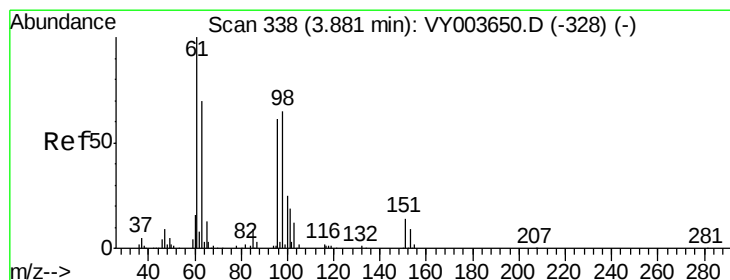
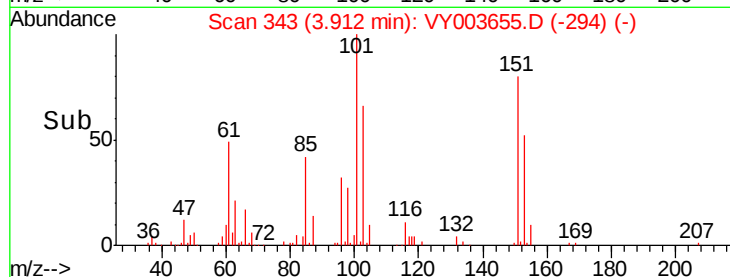
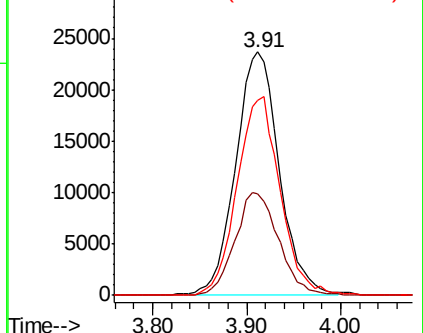
151 80.3 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003650.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003650.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003650.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 25.181 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

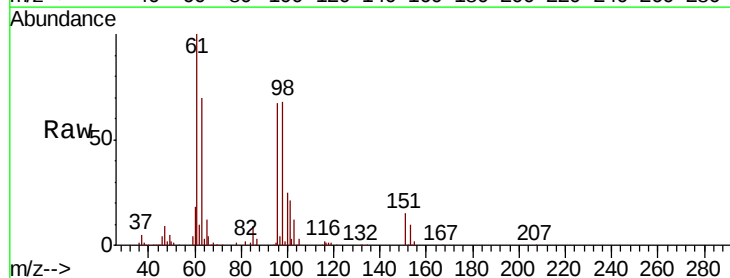
Tgt Ion: 96 Resp: 74508

Ion Ratio Lower Upper

96 100

61 148.9 106.1 197.1

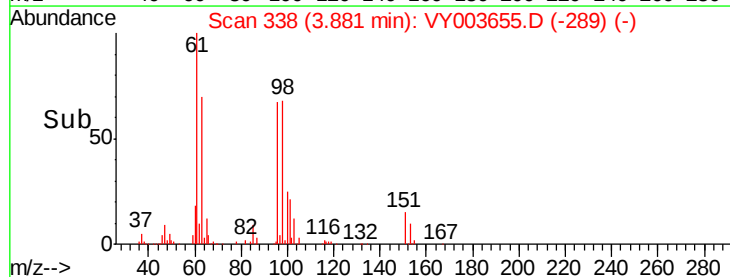
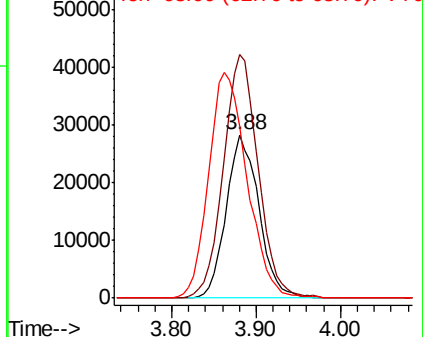
63 105.0 62.9 116.9

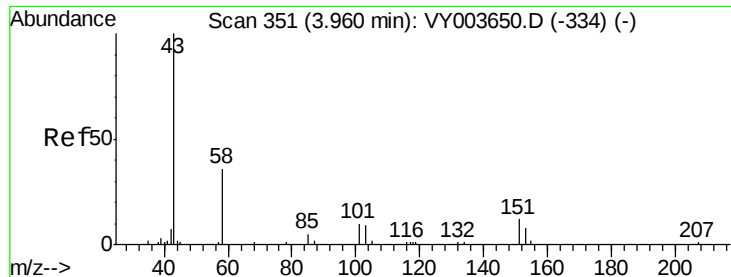


Abundance Ion 96.00 (95.70 to 96.70): VY003655.D (-289) (-)

Ion 61.00 (60.70 to 61.70): VY003655.D (-289) (-)

Ion 63.00 (62.70 to 63.70): VY003655.D (-289) (-)





#13

Acetone

Concen: 44.375 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

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ClientSampleId :

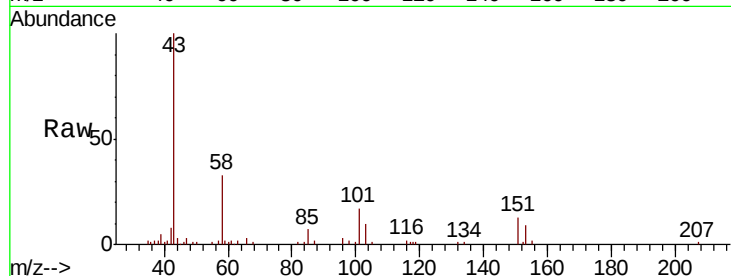
VSTD025412

Tot Ion: 43 Resp: 40605

Ion Ratio Lower Upper

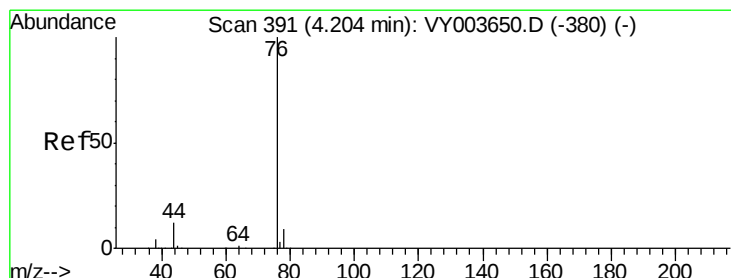
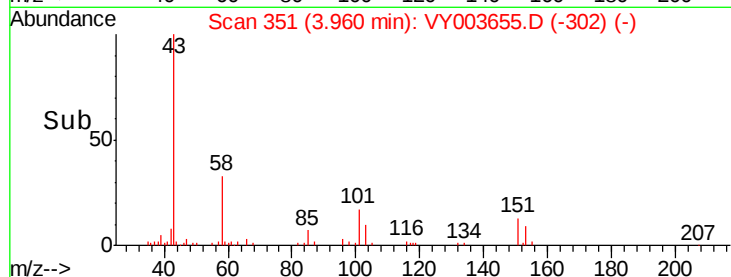
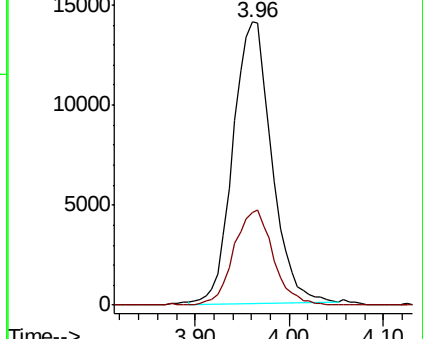
43 100

58 34.3 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 24.694 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003655.D

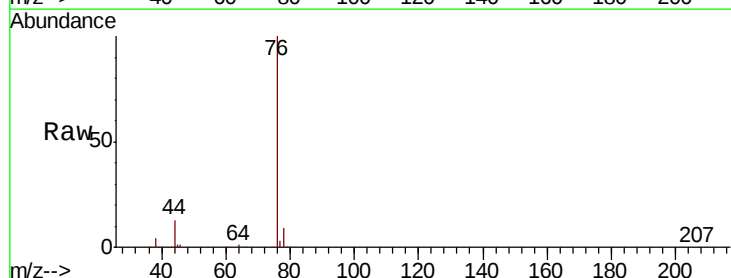
Acq: 03 Dec 2020 20:11

Tgt Ion: 76 Resp: 241381

Ion Ratio Lower Upper

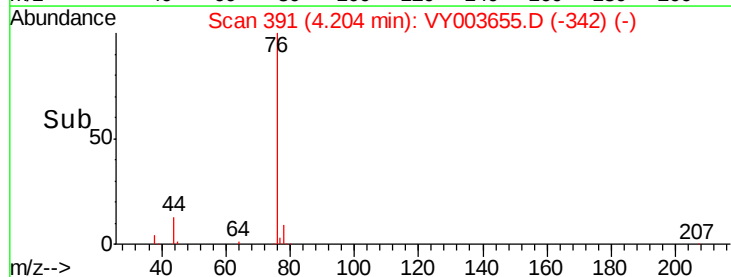
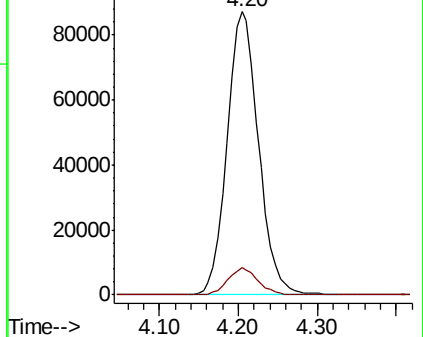
76 100

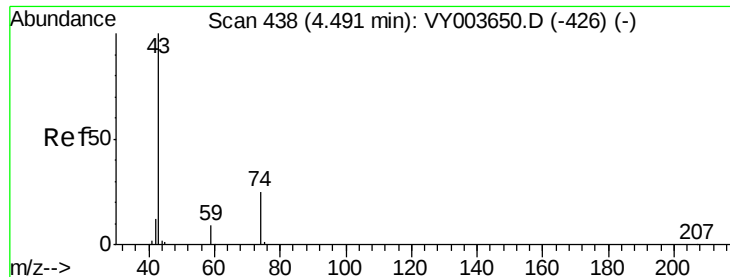
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

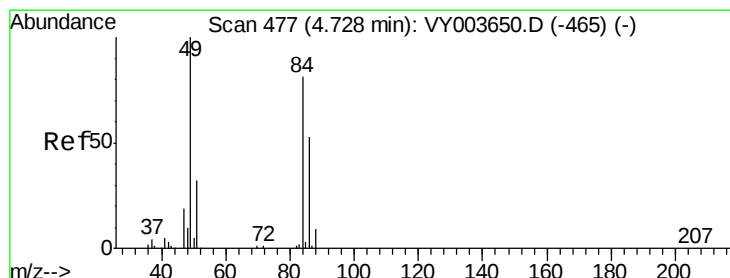
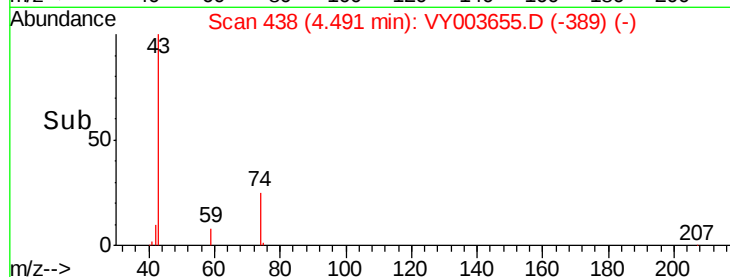
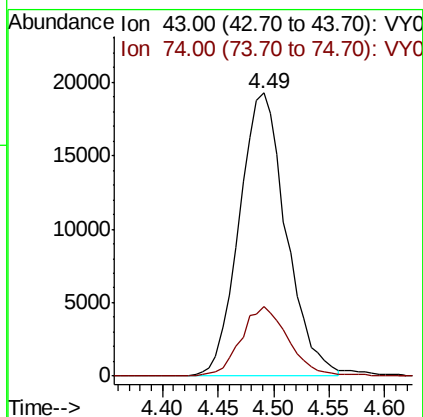
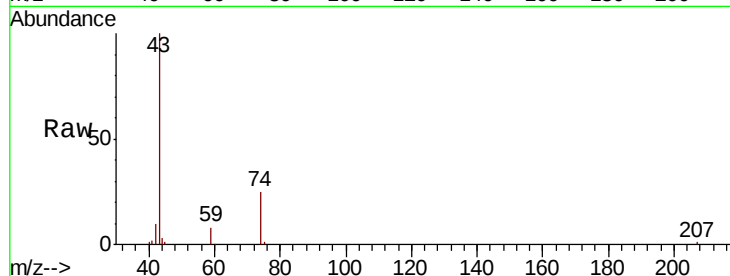




#15
Methyl Acetate
Concen: 25.587 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

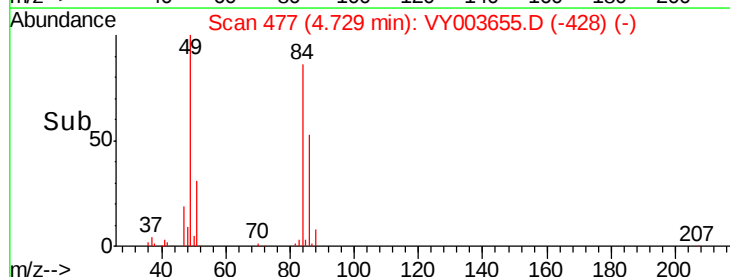
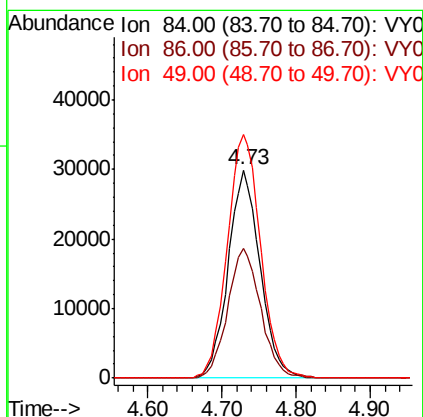
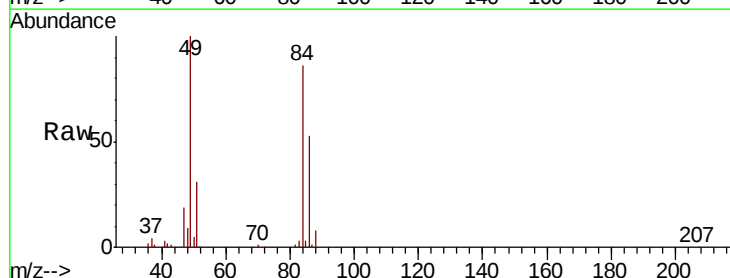
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

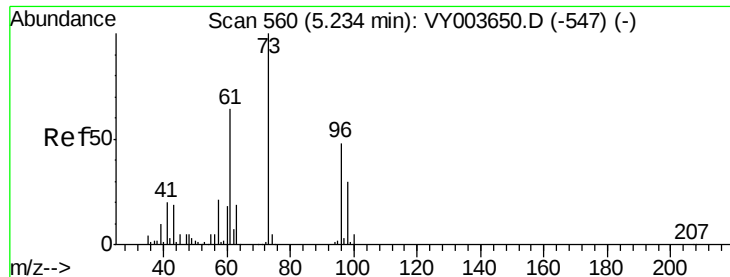
Tot Ion: 43 Resp: 56383
Ion Ratio Lower Upper
43 100
74 24.5 18.2 27.2



#16
Methylene chloride
Concen: 23.395 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion: 84 Resp: 89892
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 116.8 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 24.835 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025412

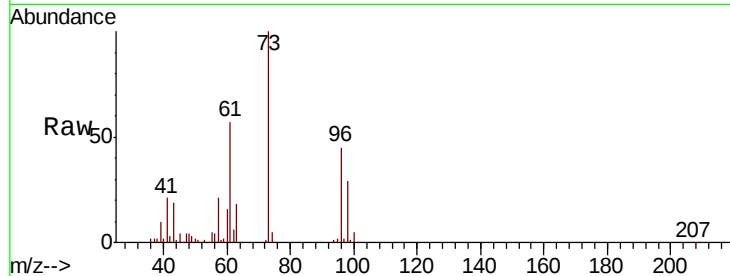
Tot Ion: 96 Resp: 80703

Ion Ratio Lower Upper

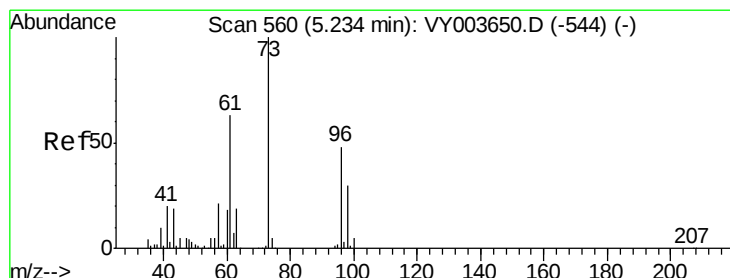
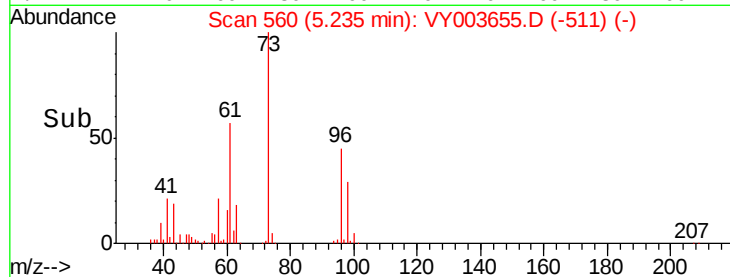
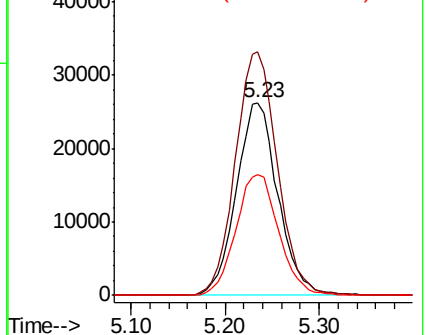
96 100

61 126.3 89.5 166.1

98 62.7 45.5 84.5



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



#18

Methyl tert-butyl Ether

Concen: 26.437 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

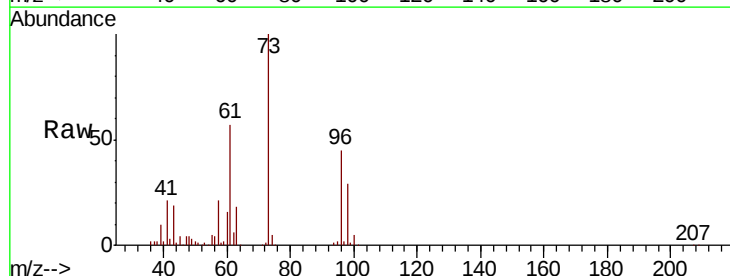
Tgt Ion: 73 Resp: 209964

Ion Ratio Lower Upper

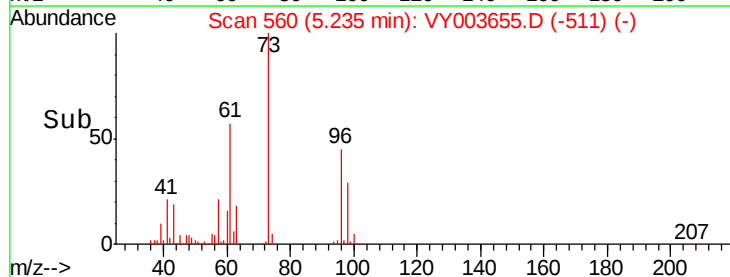
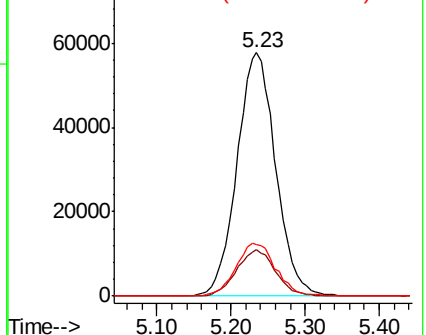
73 100

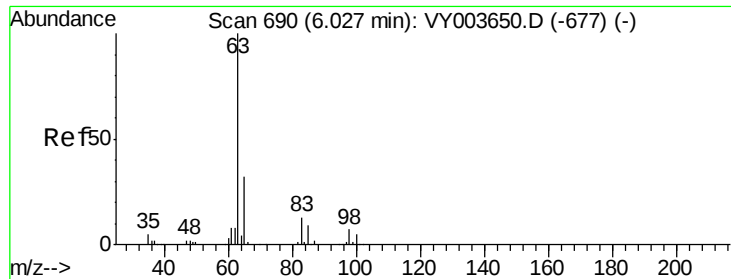
43 19.2 15.2 22.8

57 22.2 18.1 27.1



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

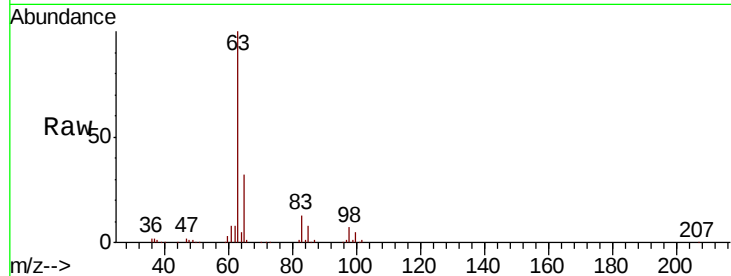




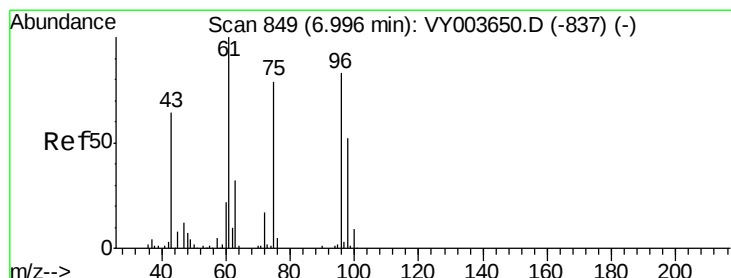
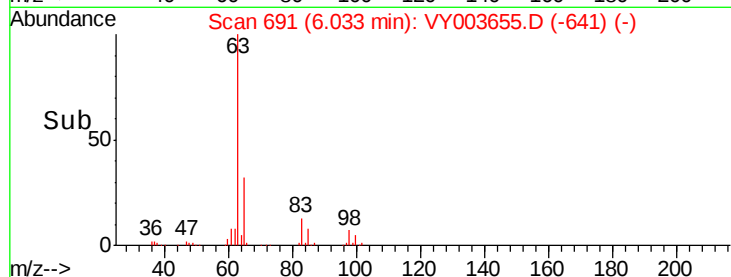
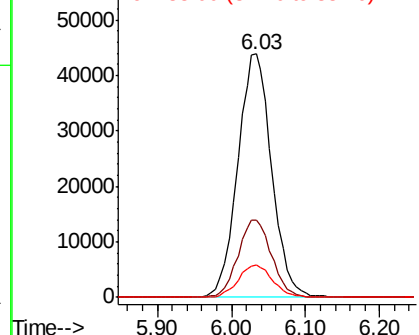
#19
 1,1-Dichloroethane
 Concen: 25.457 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

Tot Ion: 63 Resp: 139253
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.9 40.7
 83 13.5 9.5 17.7

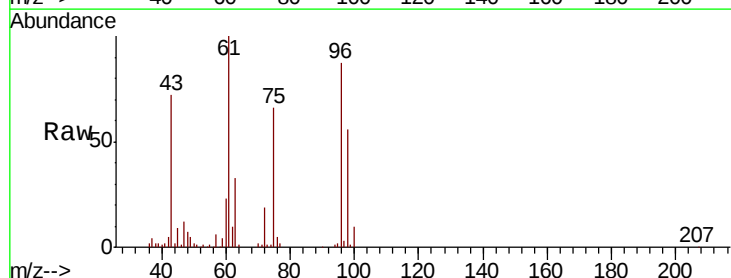


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

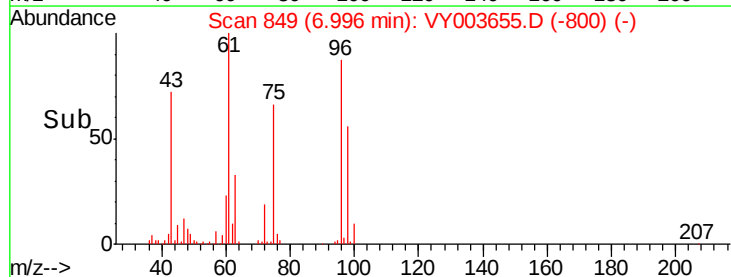
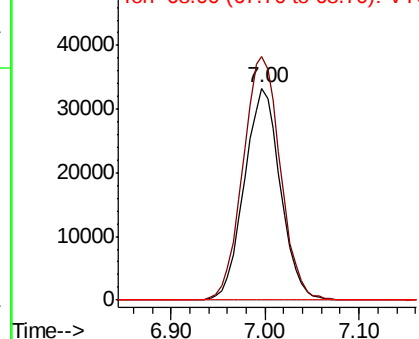


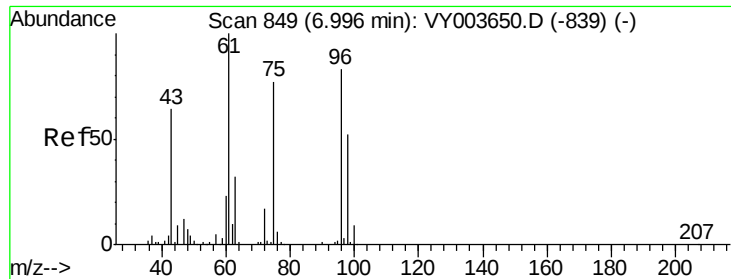
#20
 cis-1,2-Dichloroethene
 Concen: 26.227 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion: 96 Resp: 89379
 Ion Ratio Lower Upper
 96 100
 61 115.0 85.8 159.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

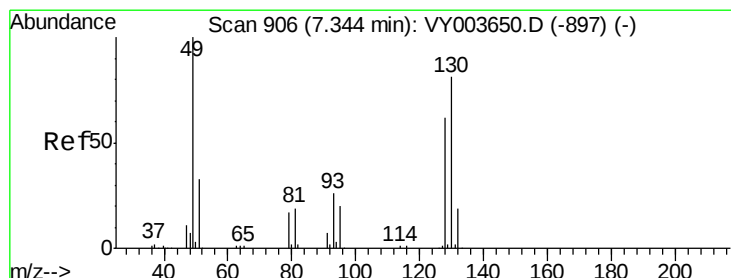
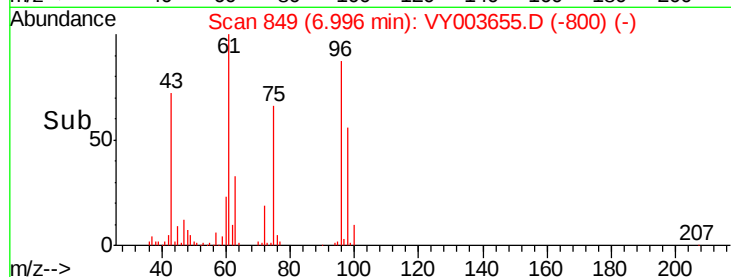
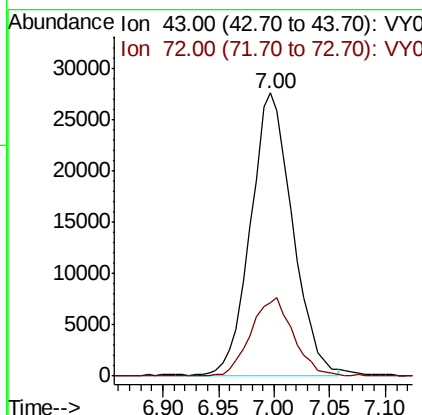
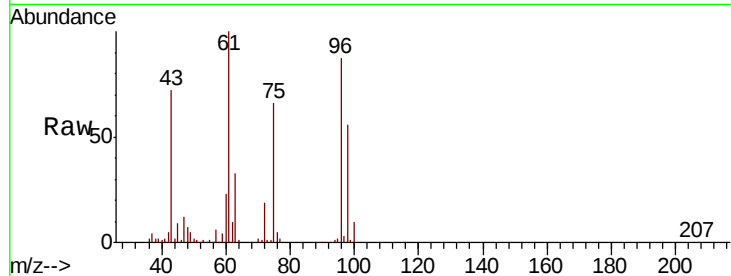




#22
2-Butanone
Concen: 46.792 ug/L
RT: 7.00 min Scan# 849
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

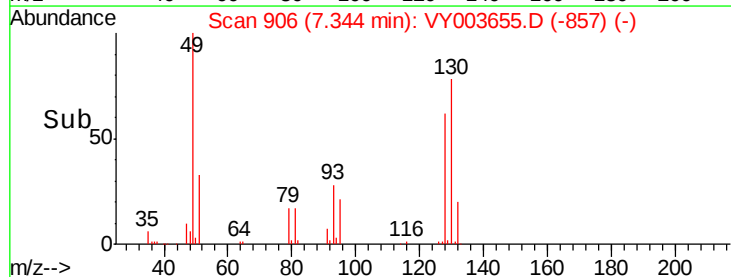
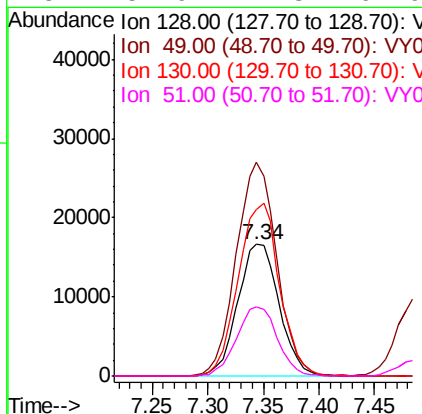
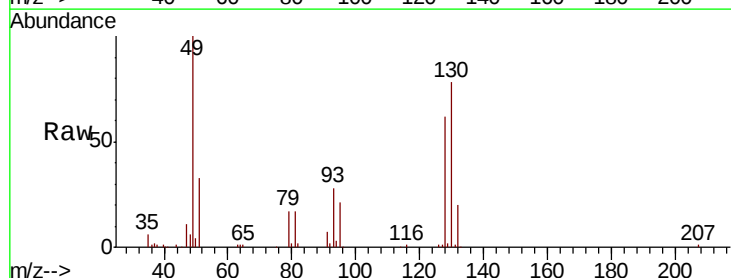
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

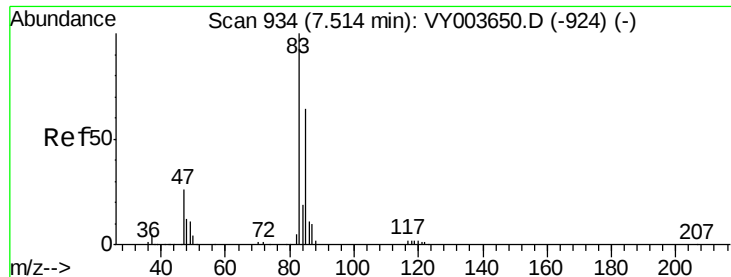
Tot Ion: 43 Resp: 71983
Ion Ratio Lower Upper
43 100
72 28.2 13.5 40.5



#23
Bromochloromethane
Concen: 25.887 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion:128 Resp: 43024
Ion Ratio Lower Upper
128 100
49 162.2 118.1 219.3
130 126.6 90.5 168.1
51 52.9 41.3 61.9

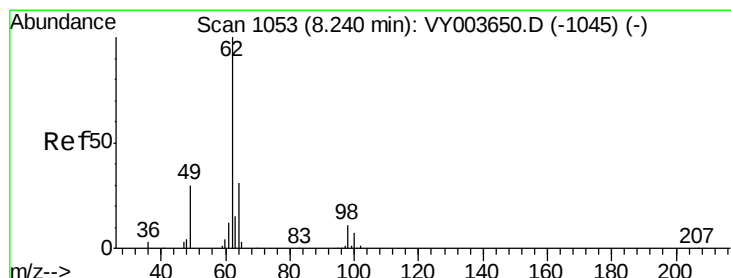
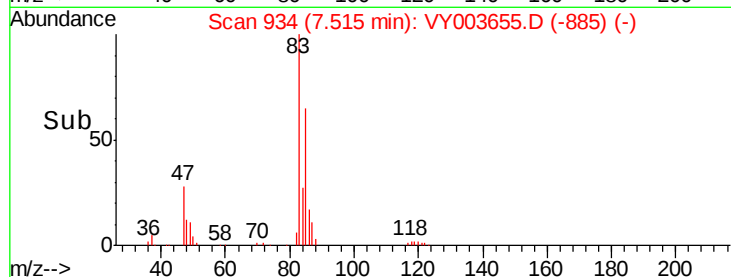
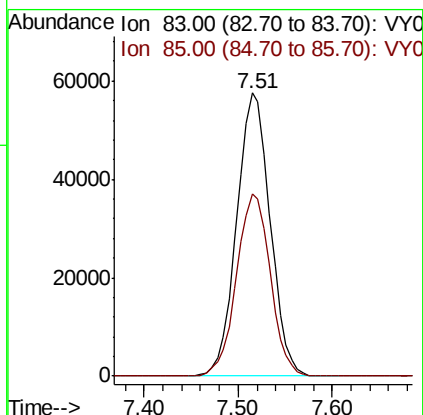
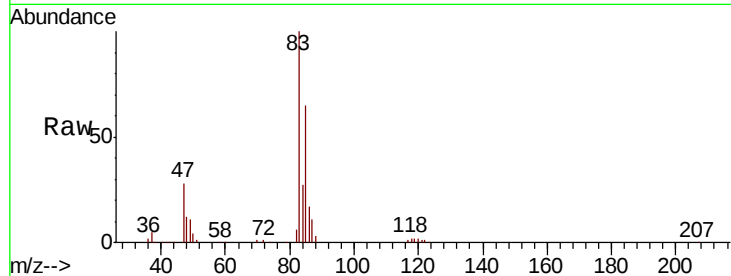




#25
Chloroform
Concen: 25.881 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

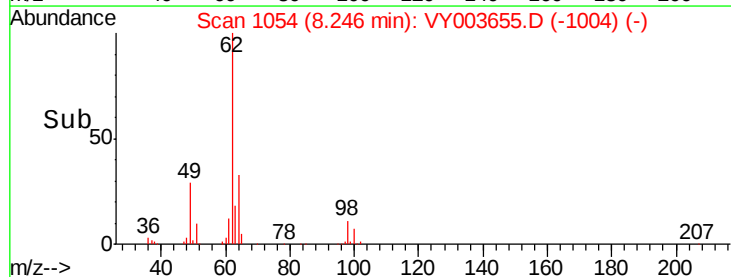
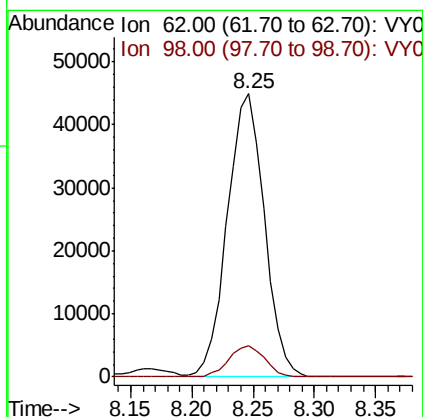
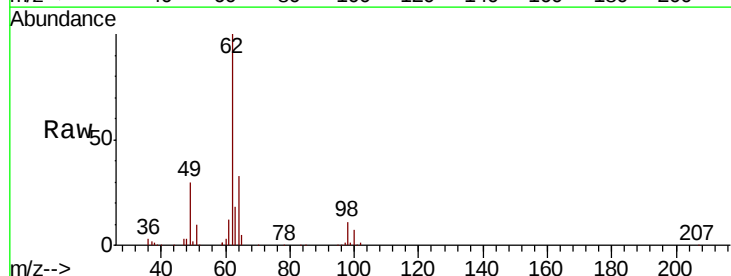
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

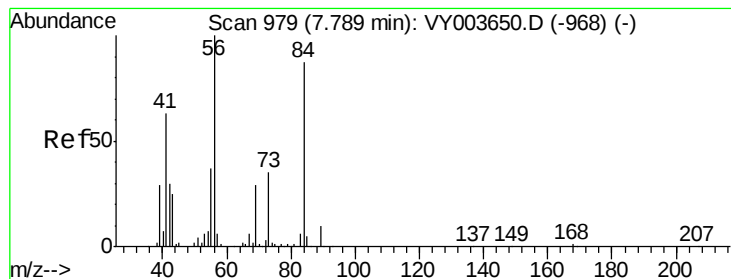
Tot Ion: 83 Resp: 141835
Ion Ratio Lower Upper
83 100
85 64.5 44.4 82.4



#27
1,2-Dichloroethane
Concen: 26.179 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion: 62 Resp: 94438
Ion Ratio Lower Upper
62 100
98 11.1 7.5 11.3





#29

Cyclohexane

Concen: 25.059 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025412

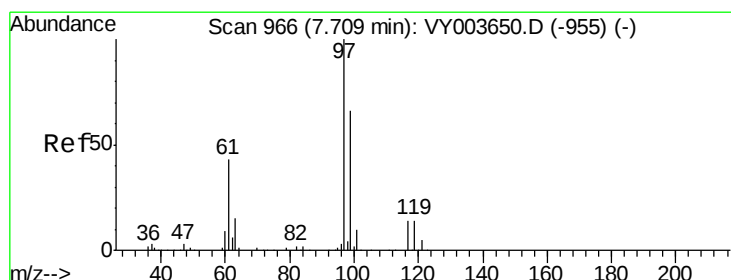
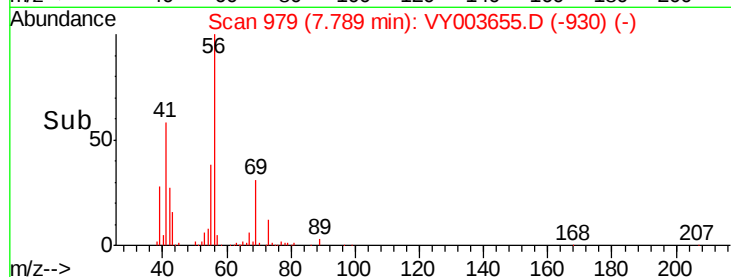
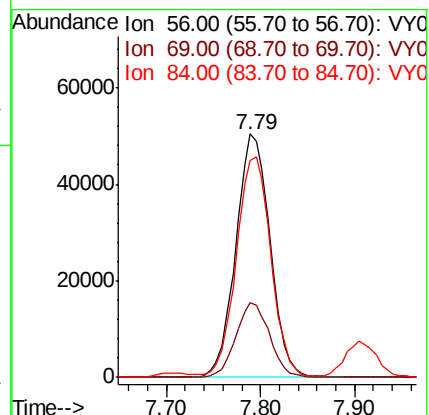
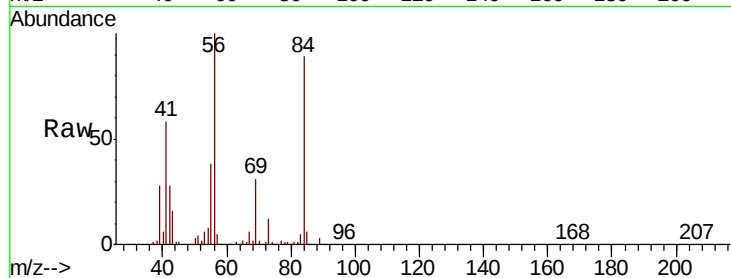
Tot Ion: 56 Resp: 127235

Ion Ratio Lower Upper

56 100

69 30.3 23.9 35.9

84 91.8 71.9 107.9



#30

1,1,1-Trichloroethane

Concen: 25.265 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

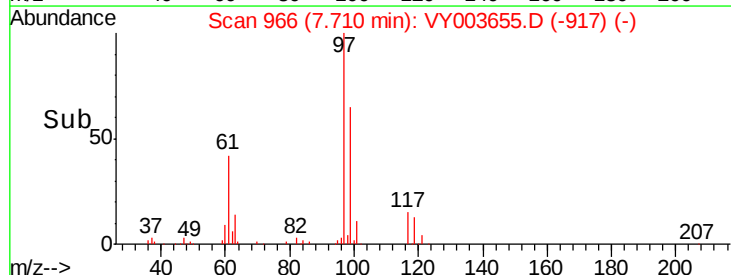
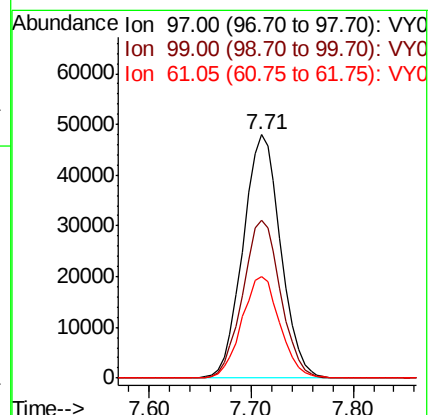
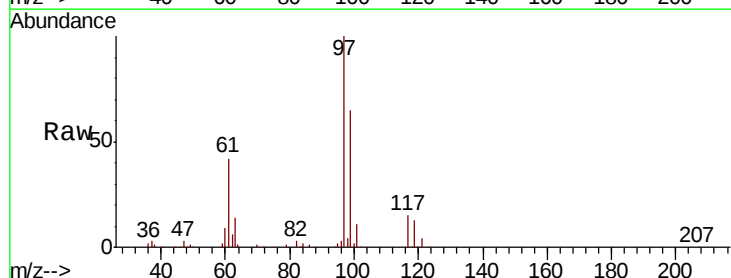
Tgt Ion: 97 Resp: 123177

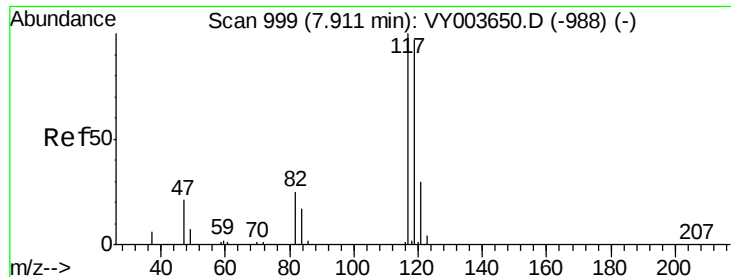
Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 42.1 34.3 51.5





#31

Carbon tetrachloride

Concen: 25.464 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

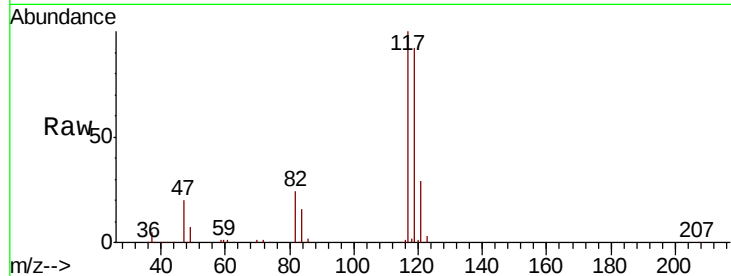
VSTD025412

Tot Ion:117 Resp: 112055

Ion Ratio Lower Upper

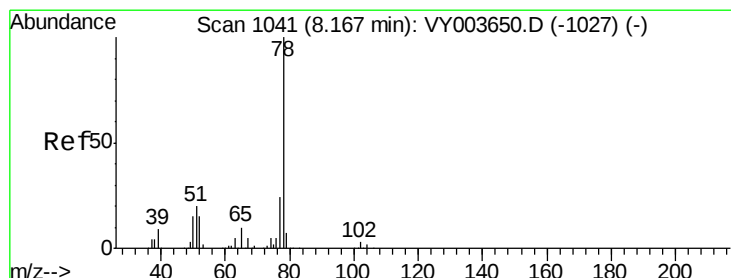
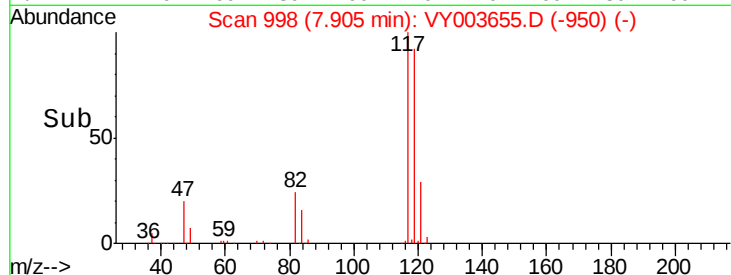
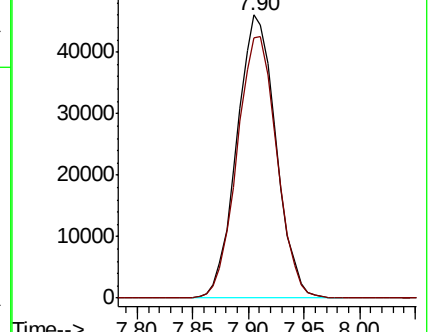
117 100

119 94.4 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 25.448 ug/L

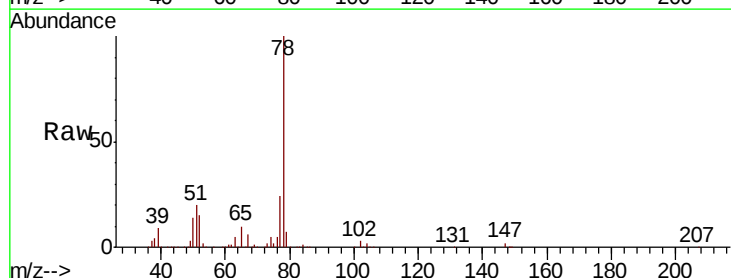
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

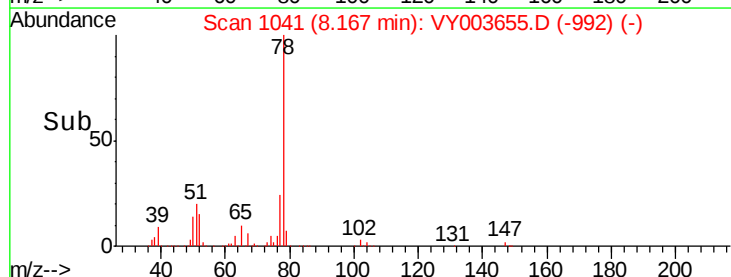
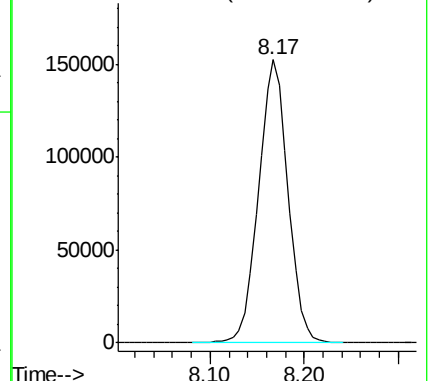
Lab File: VY003655.D

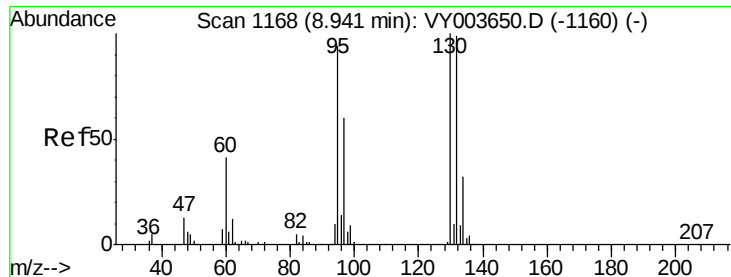
Acq: 03 Dec 2020 20:11

Tgt Ion: 78 Resp: 332617



Abundance Ion 78.00 (77.70 to 78.70): VY0

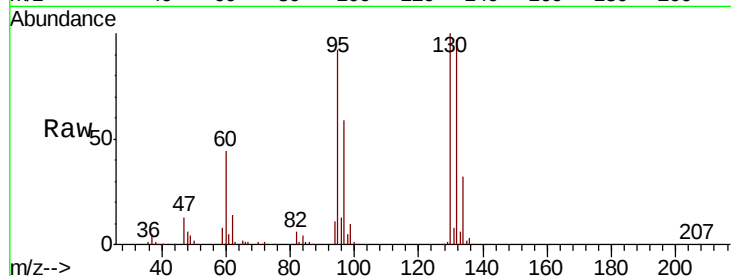




#34
 Trichloroethene
 Concen: 28.129 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

Tot Ion	95	Resp	91767
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.7	83.1
132	105.4	74.7	138.7
130	108.2	76.8	142.6



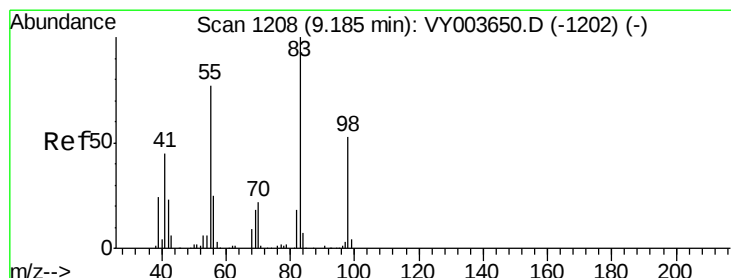
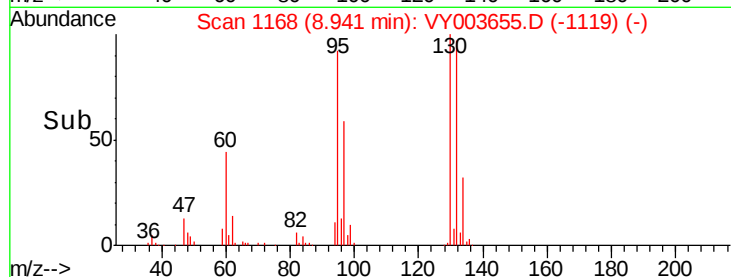
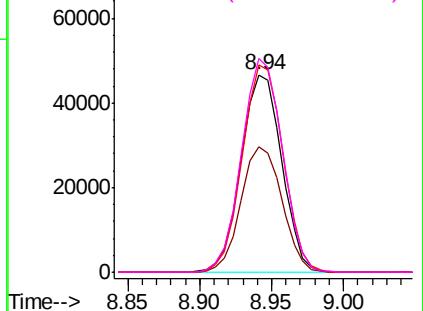
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

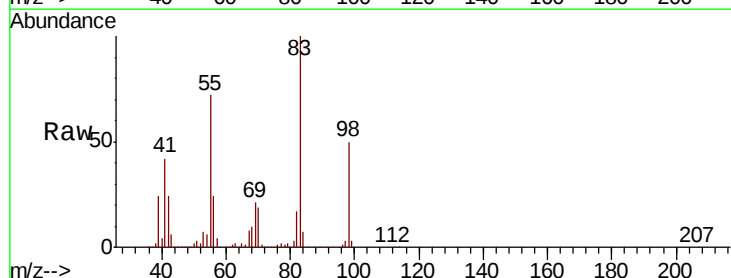
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35
 Methylcyclohexane
 Concen: 25.671 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion	83	Resp	143197
Ion	Ratio	Lower	Upper
83	100		
55	71.1	58.3	87.5
98	50.2	39.0	58.6

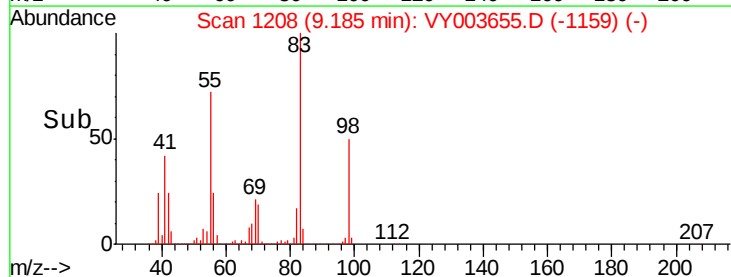
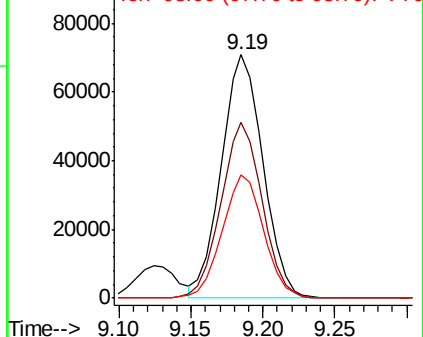


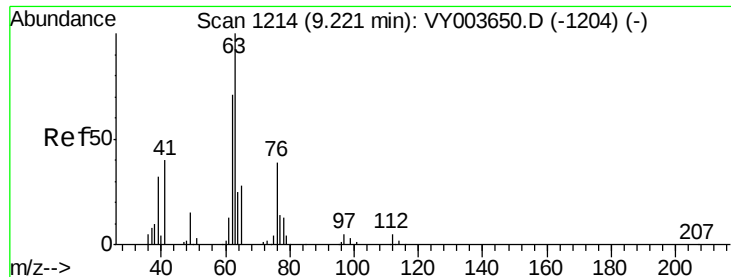
Abundance

Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

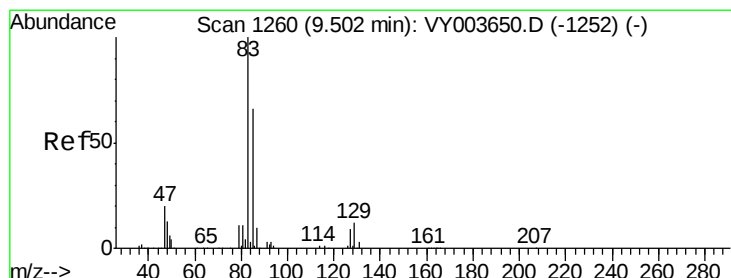
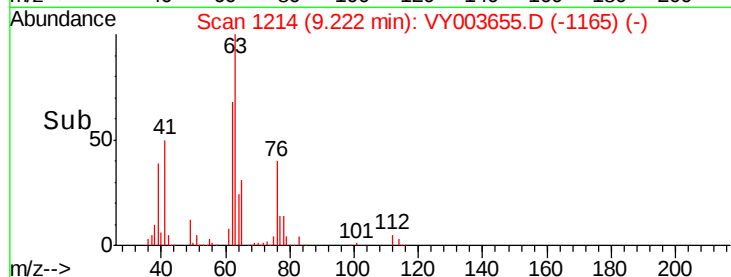
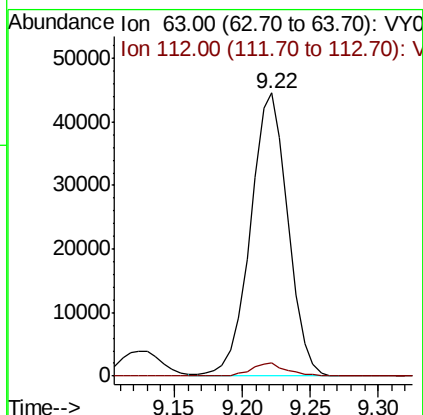
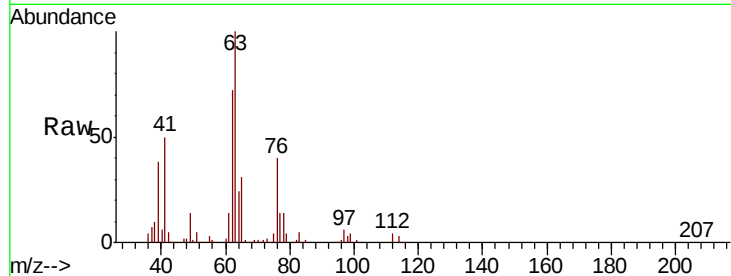




#37
 1,2-Dichloropropane
 Concen: 25.841 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

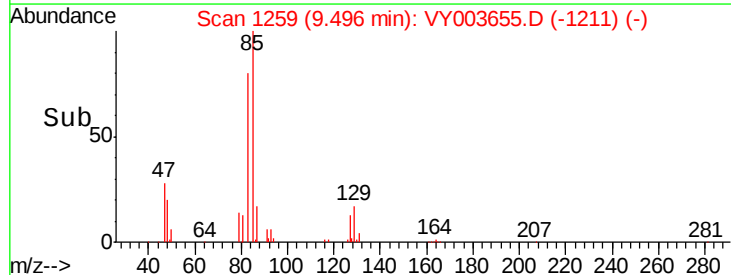
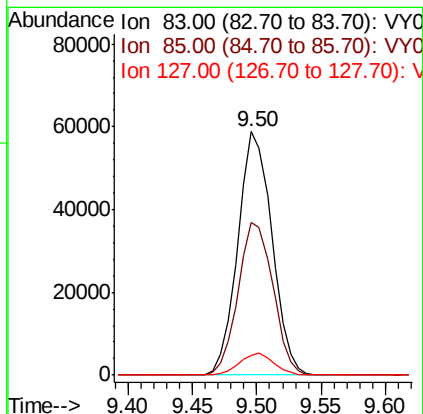
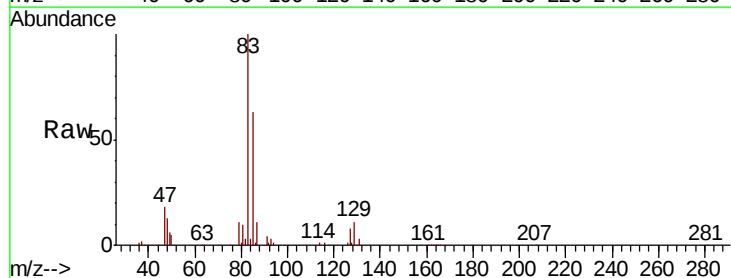
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

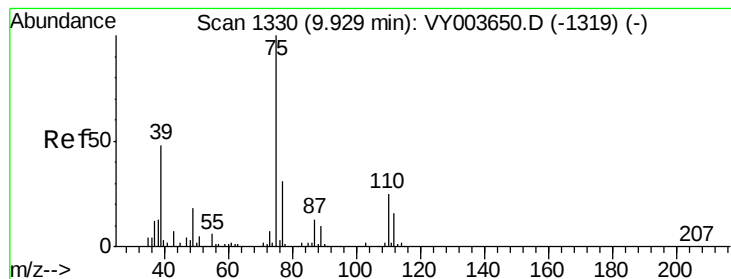
Tot Ion: 63 Resp: 85735
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 25.839 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion: 83 Resp: 107912
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.1 80.1
 127 8.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 25.993 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

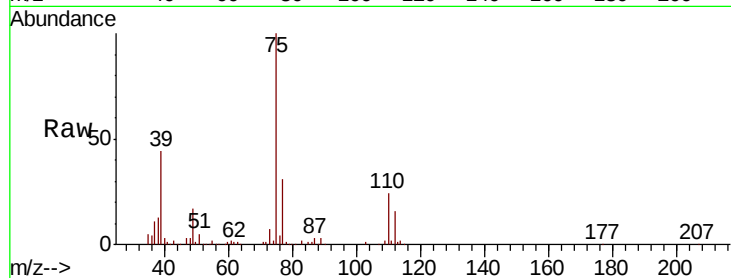
VSTD025412

Tot Ion: 75 Resp: 133231

Ion Ratio Lower Upper

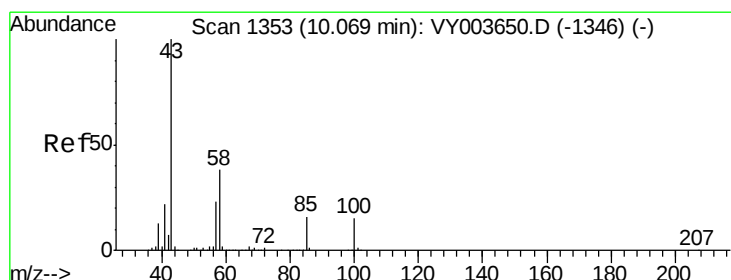
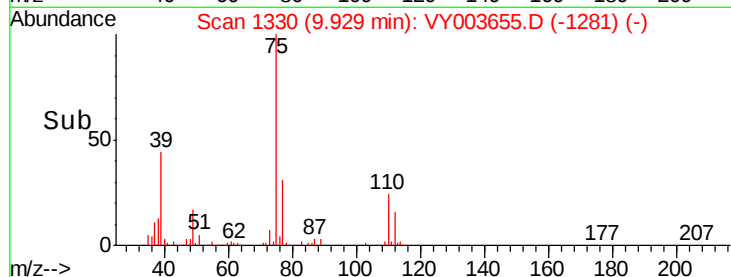
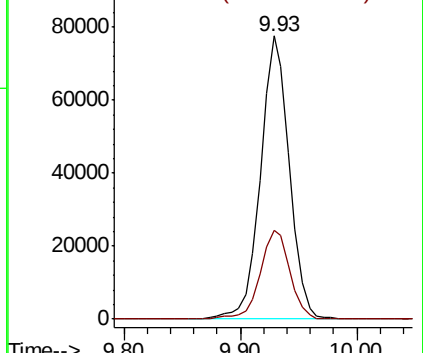
75 100

77 31.5 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 55.082 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

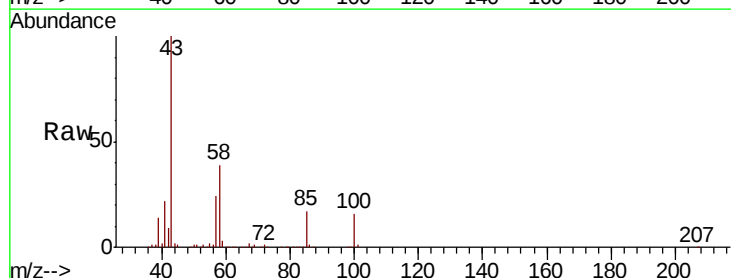
Tgt Ion: 43 Resp: 160449

Ion Ratio Lower Upper

43 100

58 39.2 30.7 46.1

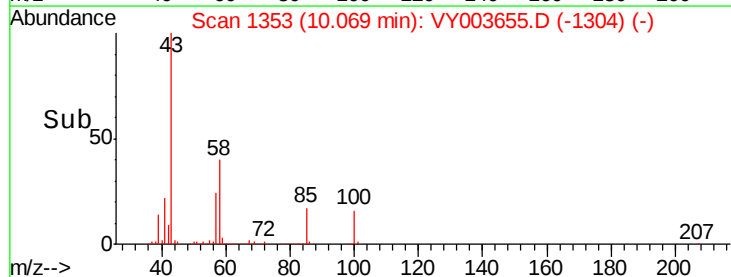
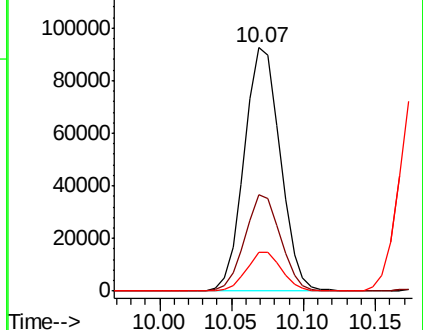
100 15.7 12.1 18.1

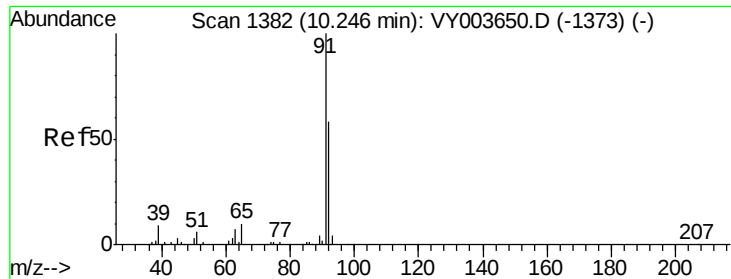


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 26.027 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

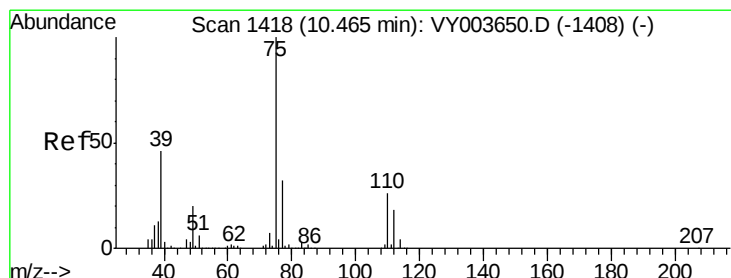
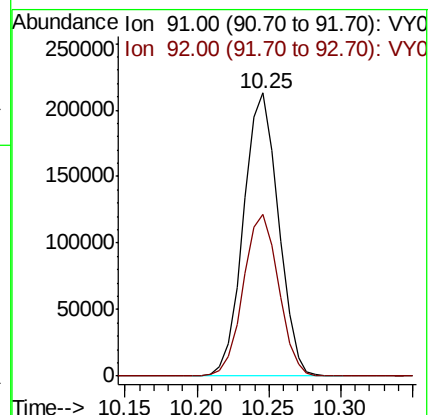
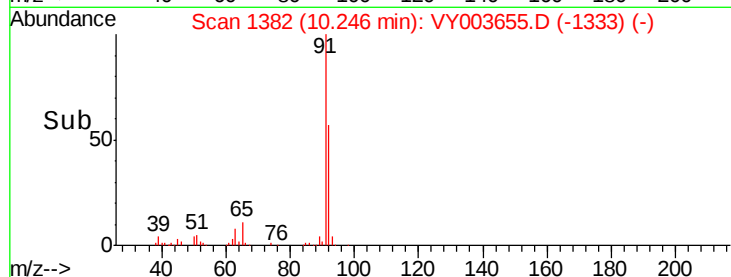
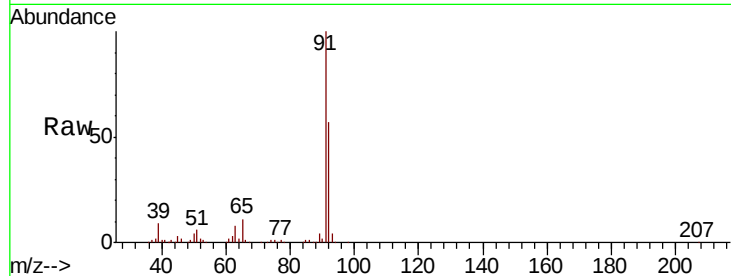
VSTD025412

Tot Ion: 91 Resp: 357360

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 26.052 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003655.D

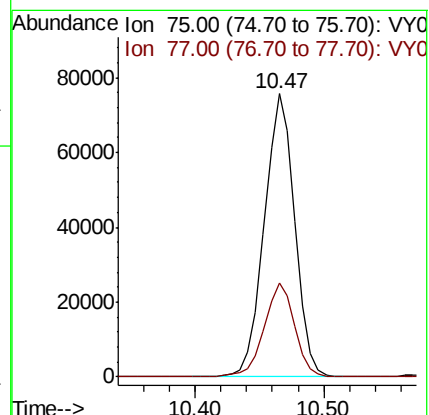
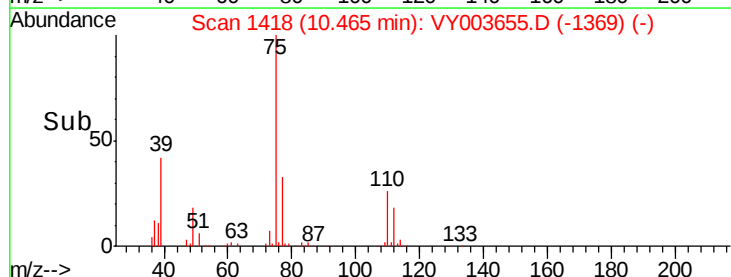
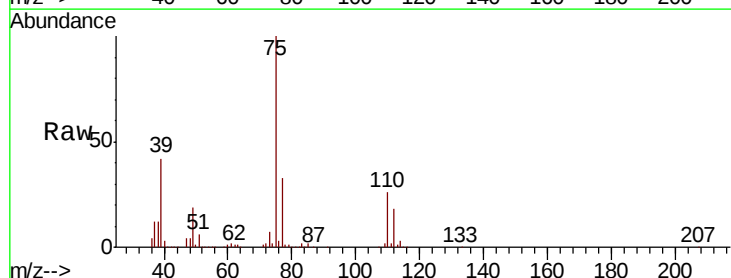
Acq: 03 Dec 2020 20:11

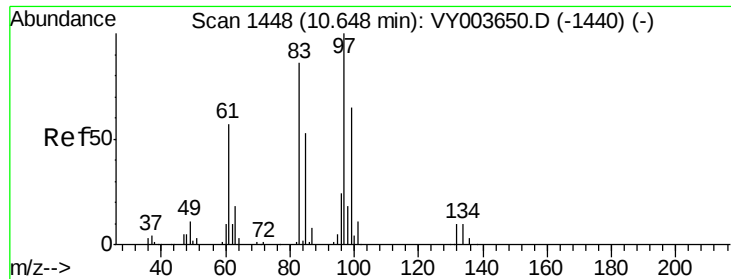
Tgt Ion: 75 Resp: 123257

Ion Ratio Lower Upper

75 100

77 33.4 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 25.925 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.01 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025412

Tot Ion: 97 Resp: 72233

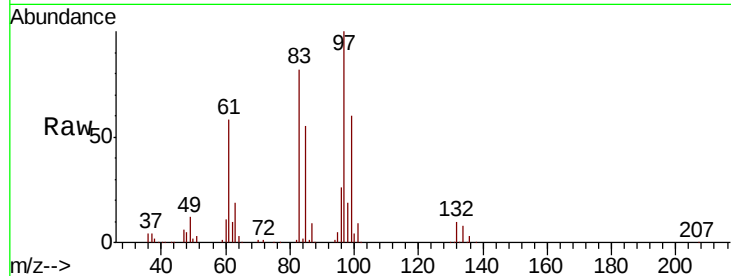
Ion Ratio Lower Upper

97 100

99 60.3 45.1 83.9

83 81.8 59.7 110.9

85 54.8 39.0 72.4

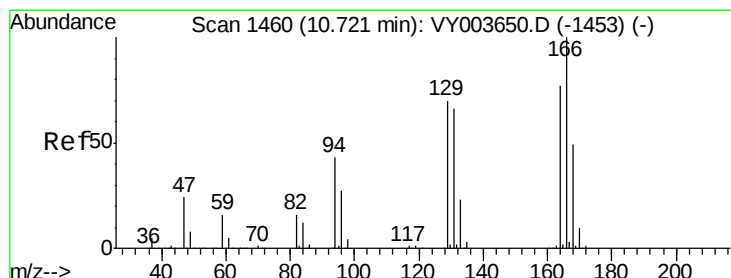
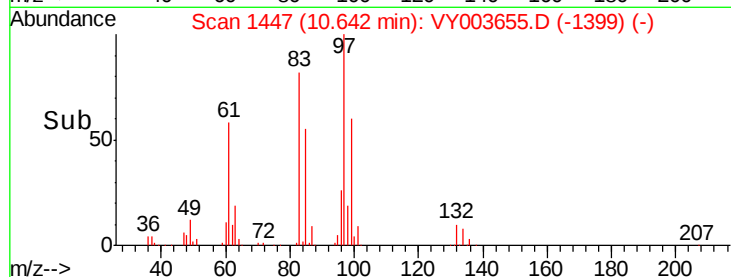
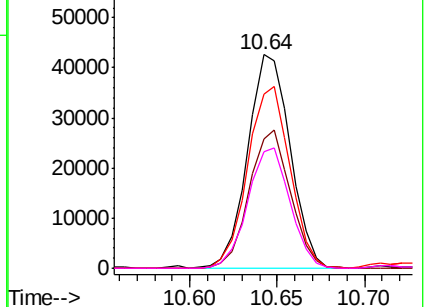


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 25.350 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Tgt Ion: 164 Resp: 70782

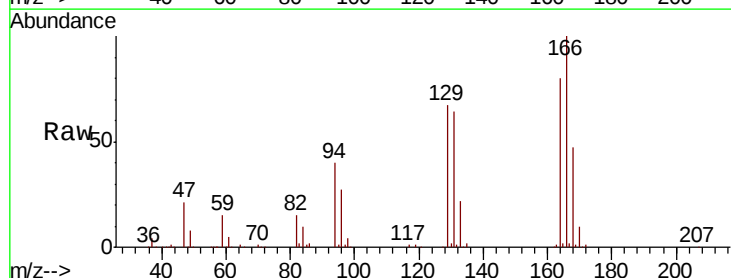
Ion Ratio Lower Upper

164 100

129 84.1 58.9 109.5

131 80.0 59.0 109.6

166 125.3 87.8 163.0

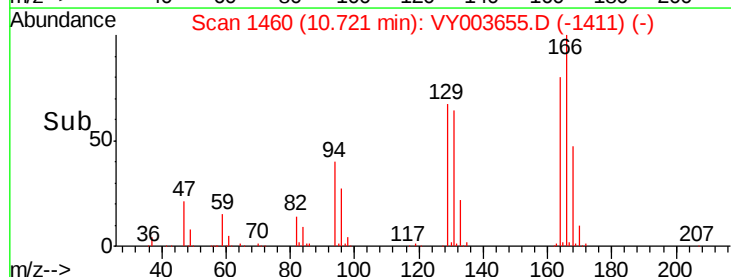
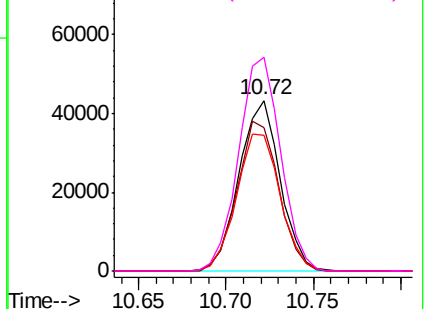


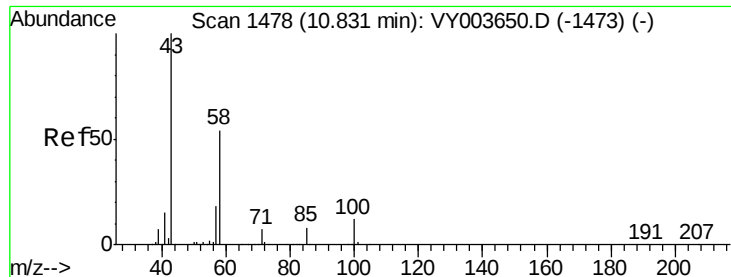
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

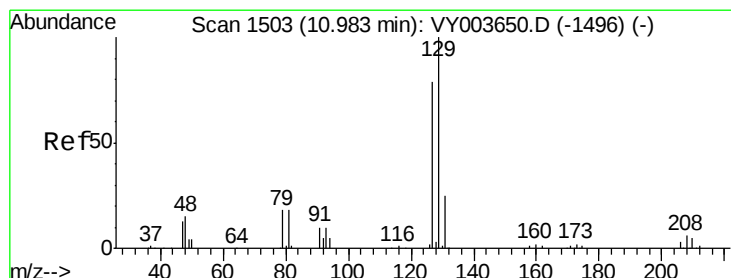
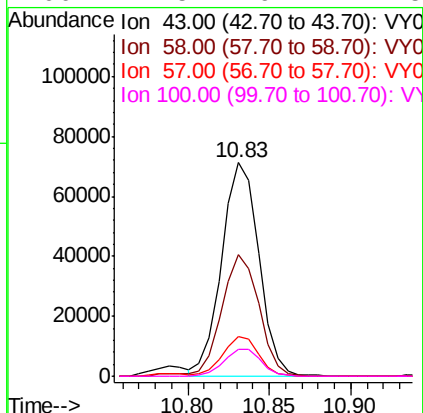
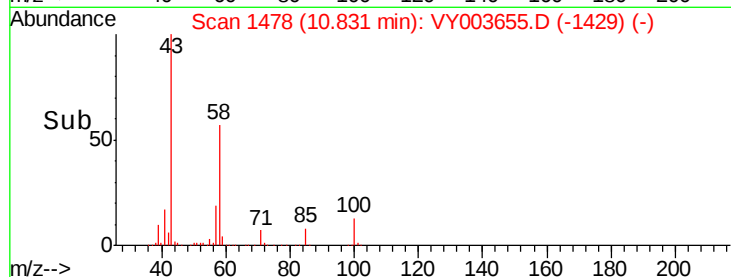
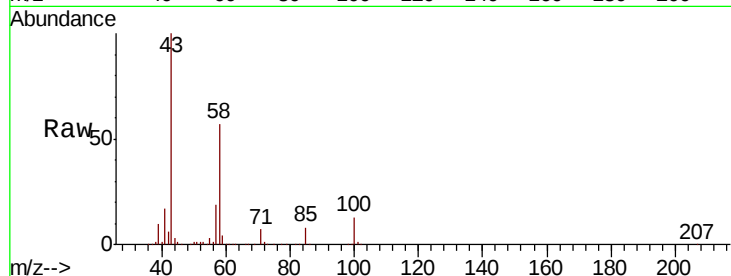




#48
2-Hexanone
Concen: 53.422 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

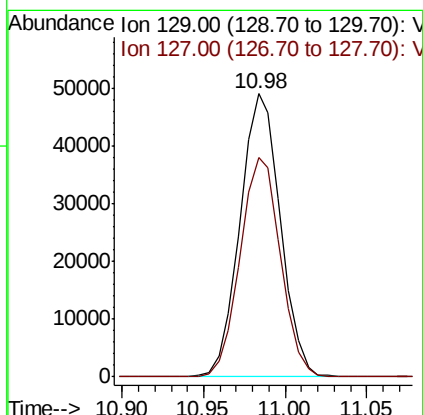
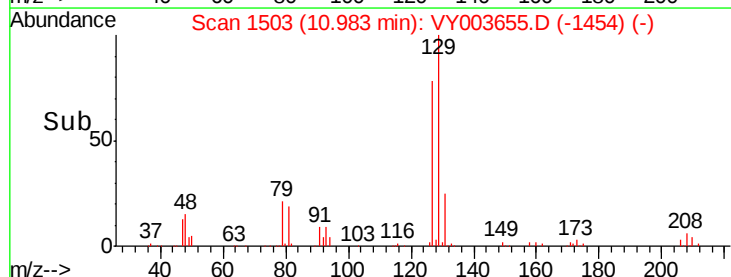
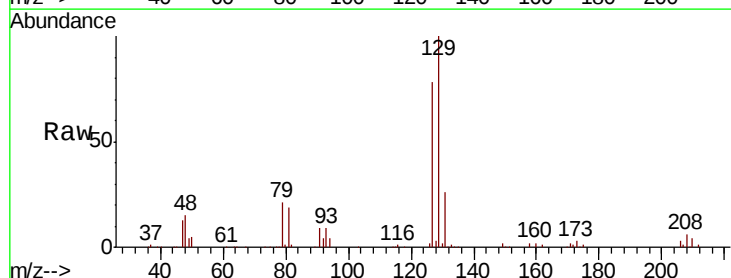
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

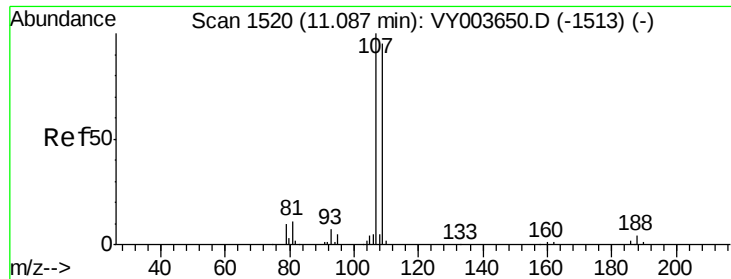
Tot Ion: 43 Resp: 113601
Ion Ratio Lower Upper
43 100
58 56.6 43.0 64.6
57 18.0 14.6 21.8
100 12.5 9.7 14.5



#49
Dibromochloromethane
Concen: 26.174 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion: 129 Resp: 84280
Ion Ratio Lower Upper
129 100
127 77.6 55.0 102.2

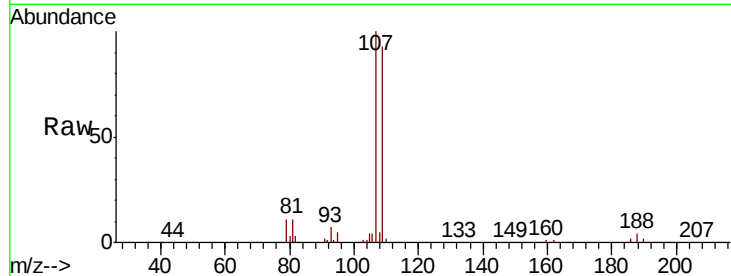




#50
 1,2-Dibromoethane
 Concen: 26.320 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.5	121.7
188	3.9	3.8	5.8

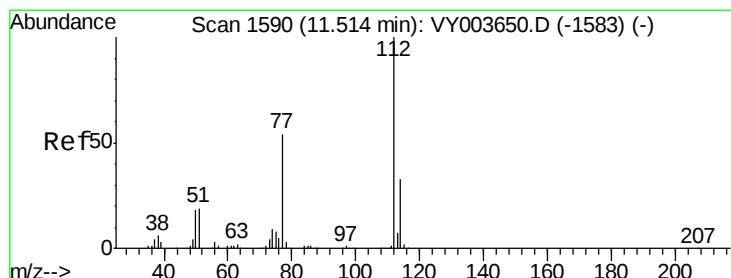
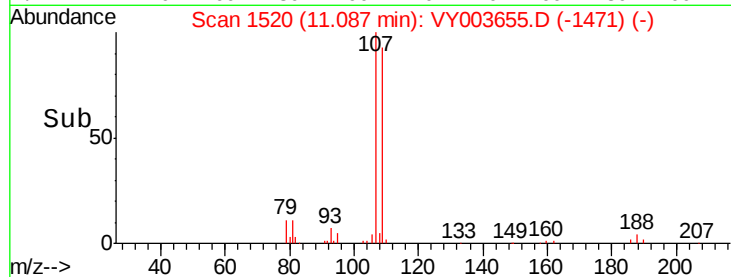
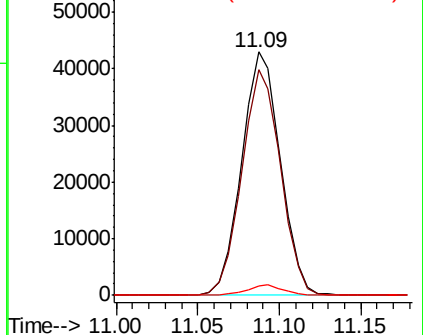


Abundance

Ion 107.00 (106.70 to 107.70): V

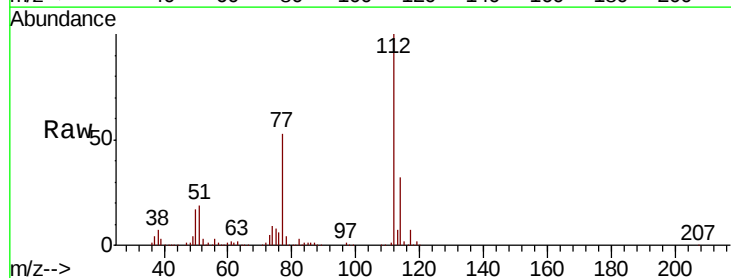
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 26.372 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	52.6	43.8	65.6

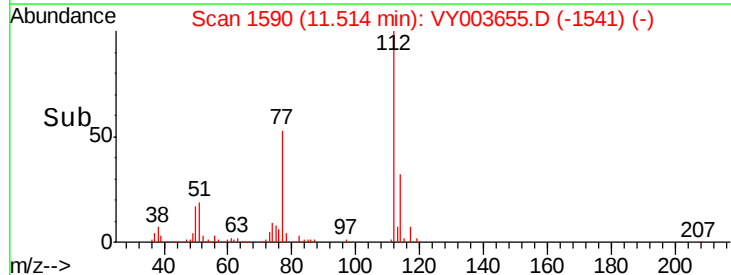
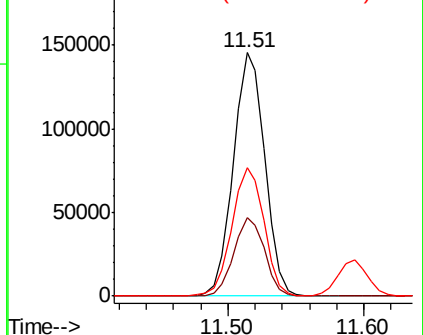


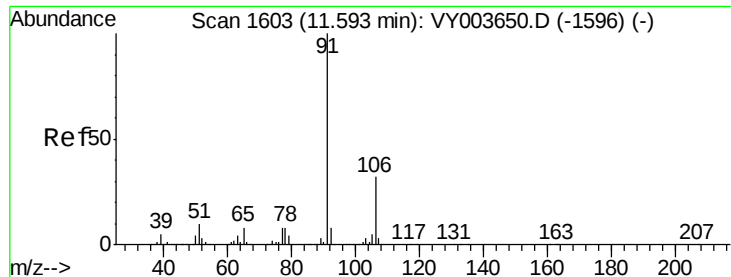
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VY0

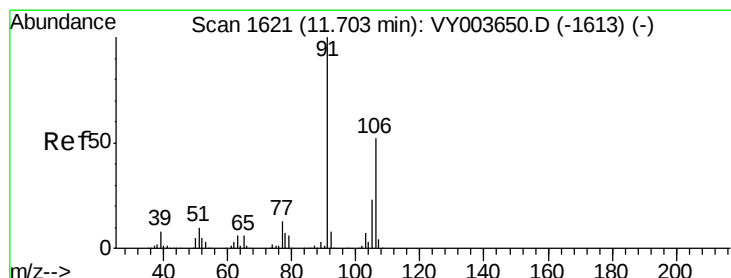
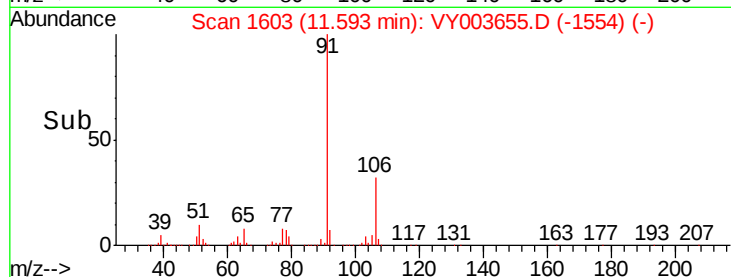
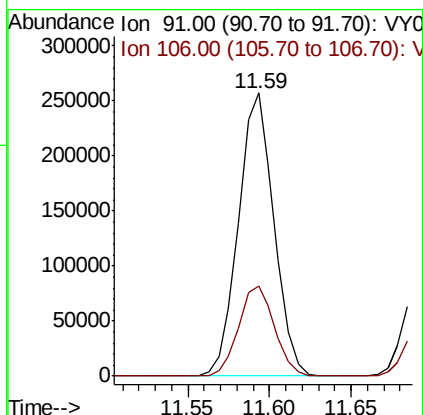
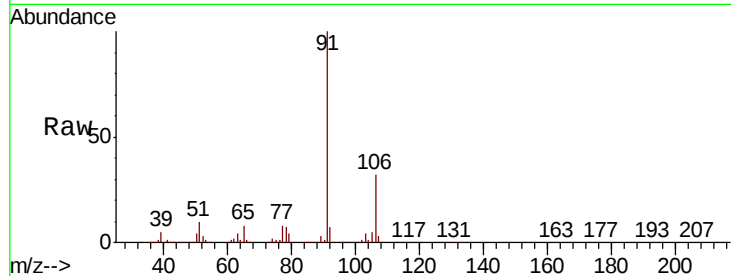




#52
Ethylbenzene
Concen: 26.484 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

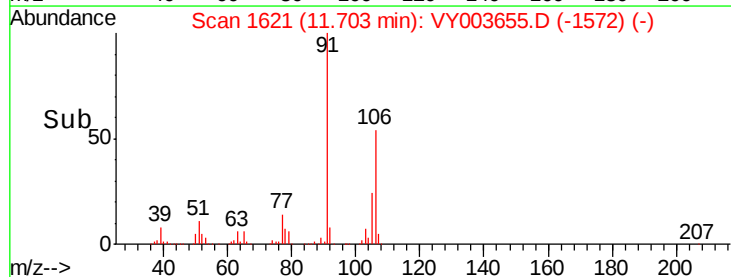
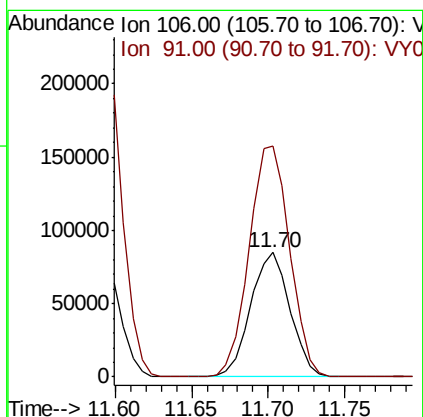
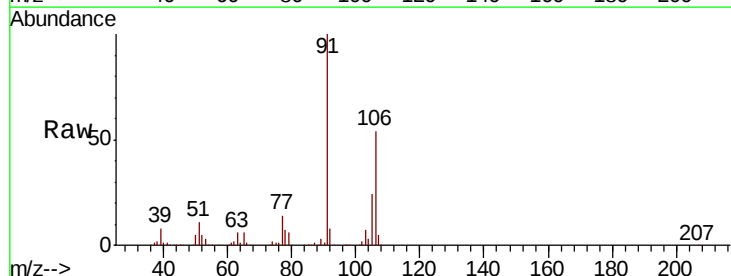
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

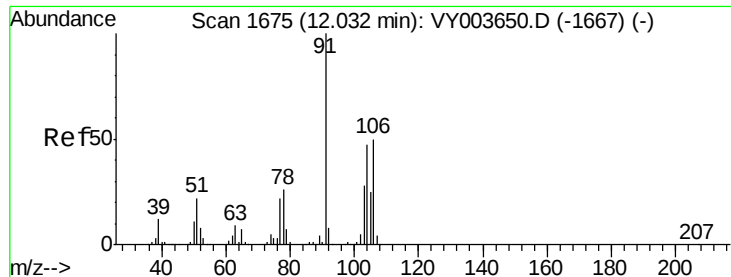
Tot Ion: 91 Resp: 389102
Ion Ratio Lower Upper
91 100
106 32.0 22.8 42.4



#53
m,p-Xylene
Concen: 26.360 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion: 106 Resp: 151455
Ion Ratio Lower Upper
106 100
91 185.7 133.1 247.3





#54

o-Xylene

Concen: 26.880 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

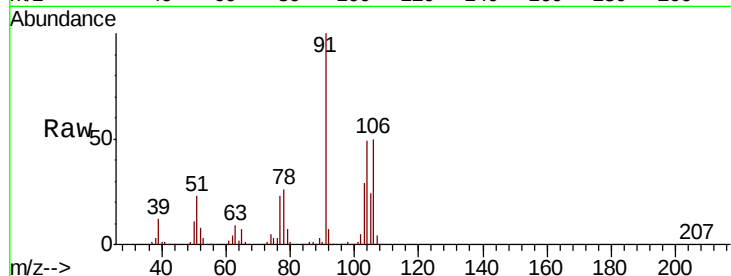
VSTD025412

Tot Ion:106 Resp: 145871

Ion Ratio Lower Upper

106 100

91 199.1 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

200000

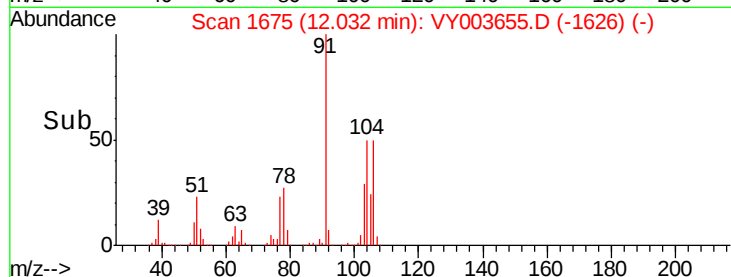
150000

100000

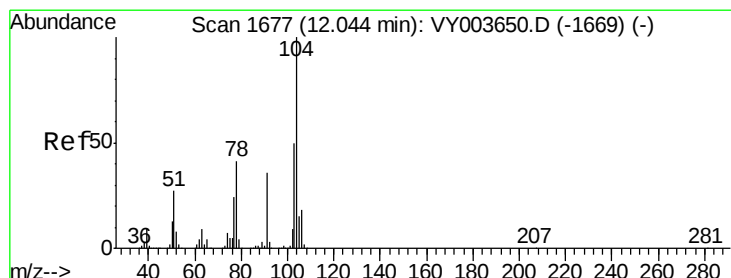
50000

0

11.95 12.00 12.05 12.10



Time-->



#55

Styrene

Concen: 27.299 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003655.D

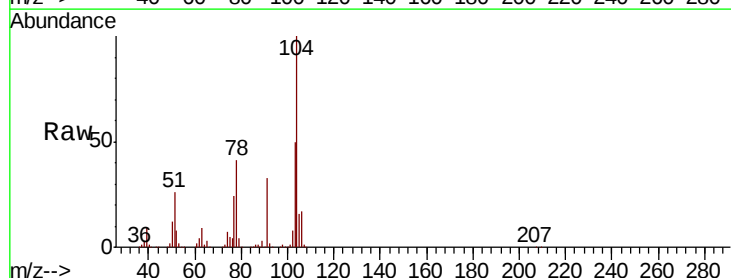
Acq: 03 Dec 2020 20:11

Tgt Ion:104 Resp: 253467

Ion Ratio Lower Upper

104 100

78 41.3 27.6 51.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

200000

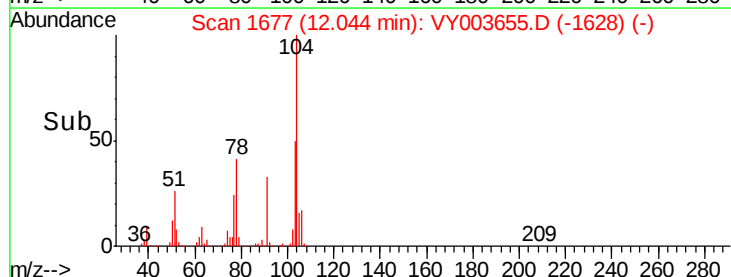
150000

100000

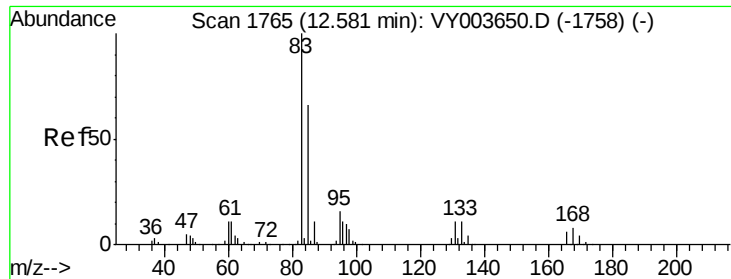
50000

0

11.95 12.00 12.05 12.10



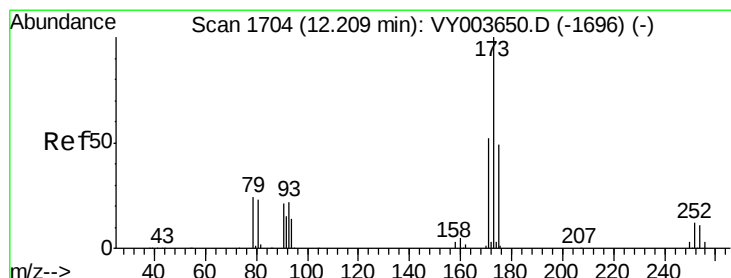
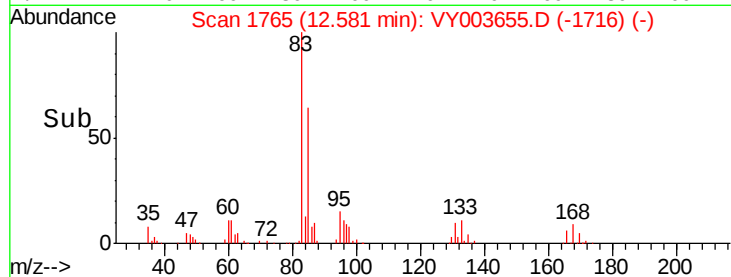
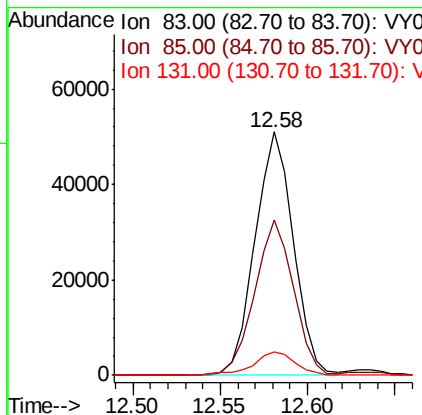
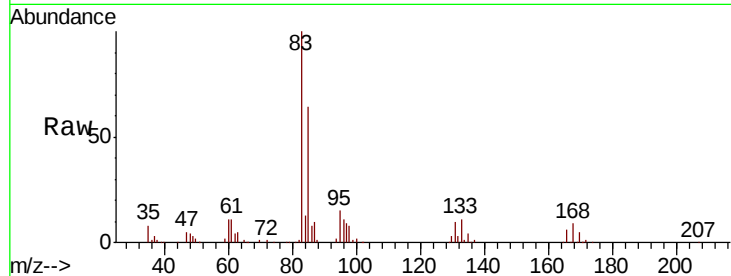
Time-->



#57
 1,1,2,2-Tetrachloroethane
 Concen: 21.012 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

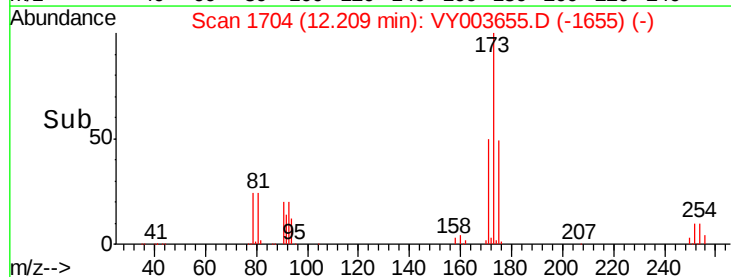
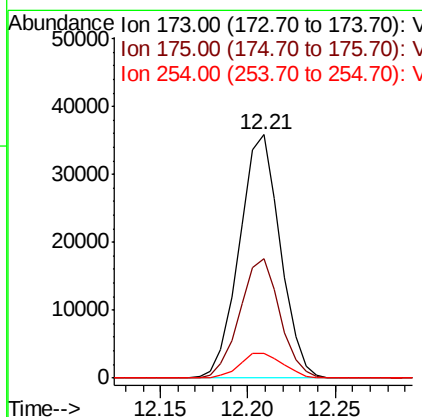
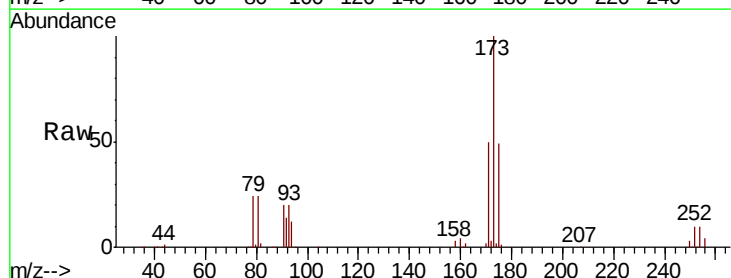
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

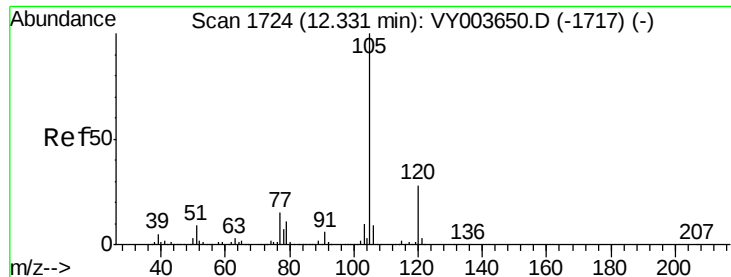
Tot Ion: 83 Resp: 77578
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.1 85.7
 131 9.5 8.1 12.1



#59
 Bromoform
 Concen: 25.168 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion: 173 Resp: 58148
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.4
 254 10.7 8.0 12.0





#60

Isopropylbenzene

Concen: 25.774 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025412

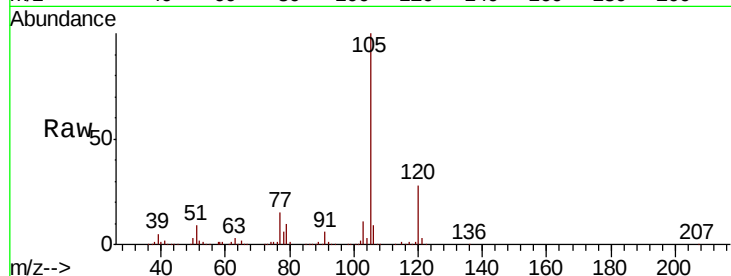
Tot Ion:105 Resp: 387765

Ion Ratio Lower Upper

105 100

120 27.0 22.0 33.0

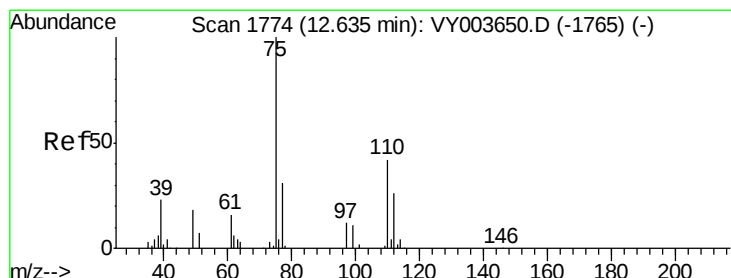
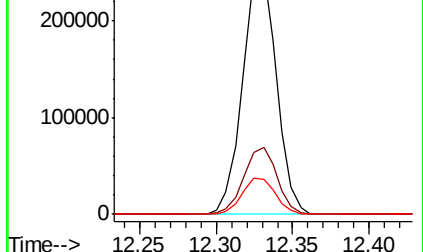
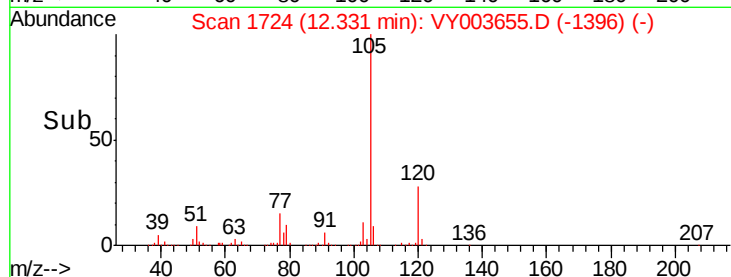
77 14.9 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 24.851 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

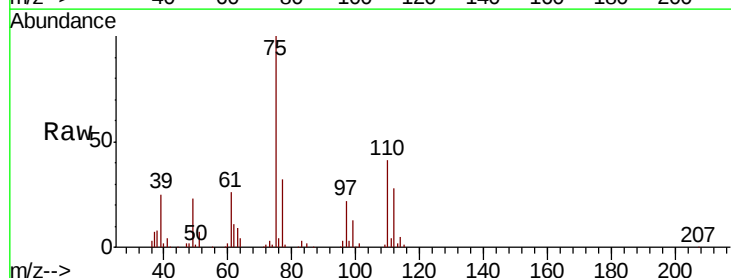
Tgt Ion: 75 Resp: 69936

Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5

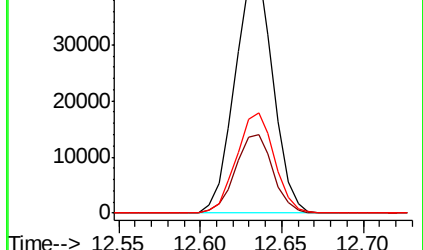
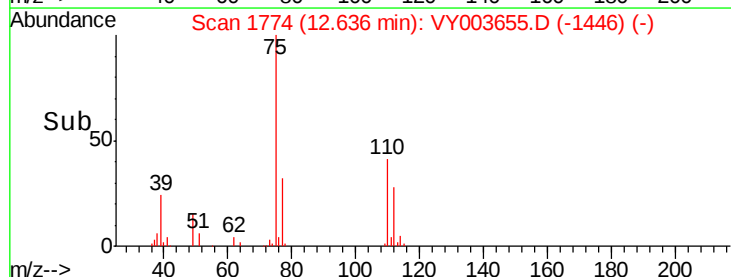
110 41.3 33.0 49.4

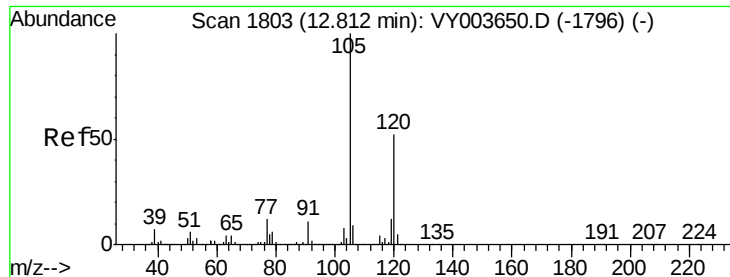


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 25.978 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003655.D

Acq: 03 Dec 2020 20:11

Instrument :

MSVOA_Y

ClientSampleId :

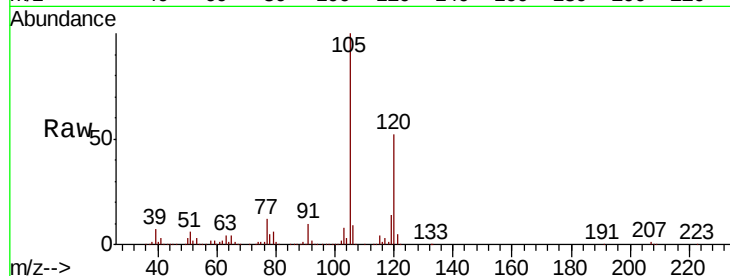
VSTD025412

Tot Ion:105 Resp: 309924

Ion Ratio Lower Upper

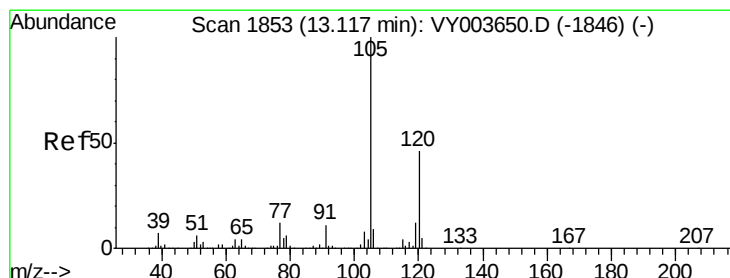
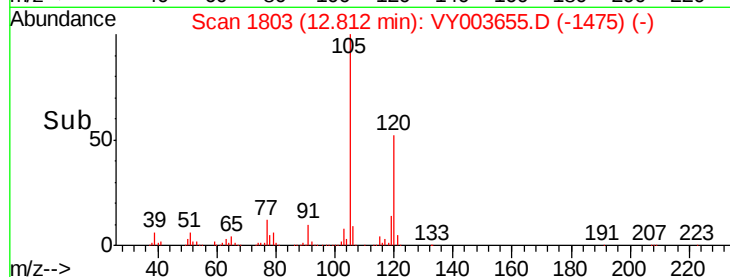
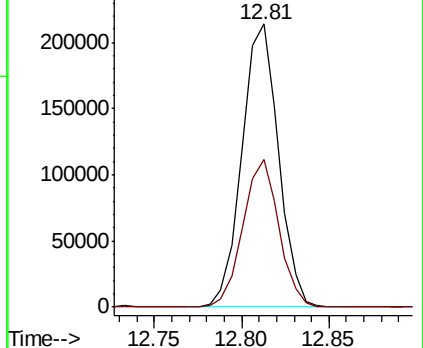
105 100

120 51.4 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 26.520 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003655.D

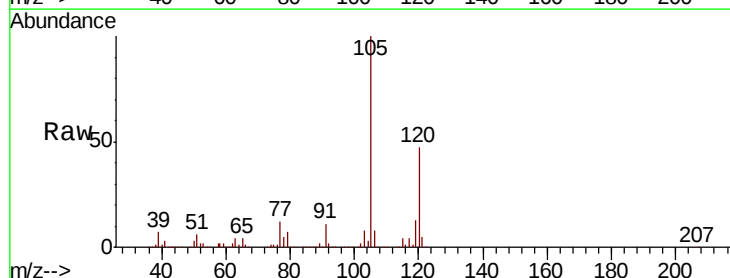
Acq: 03 Dec 2020 20:11

Tgt Ion:105 Resp: 312593

Ion Ratio Lower Upper

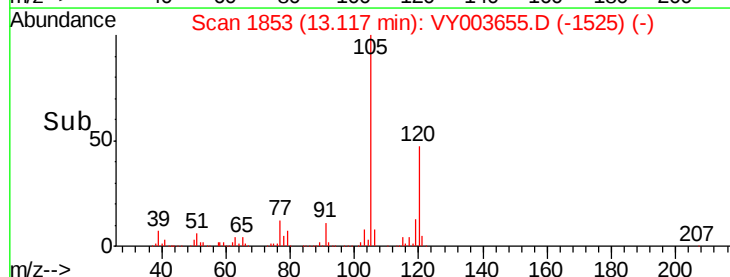
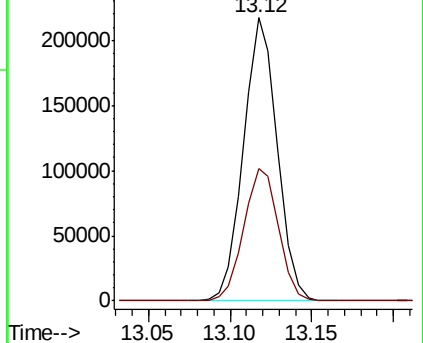
105 100

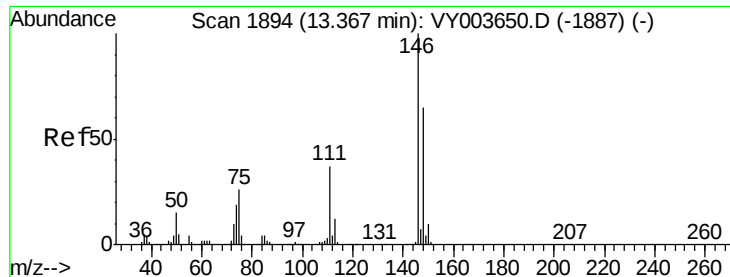
120 48.1 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

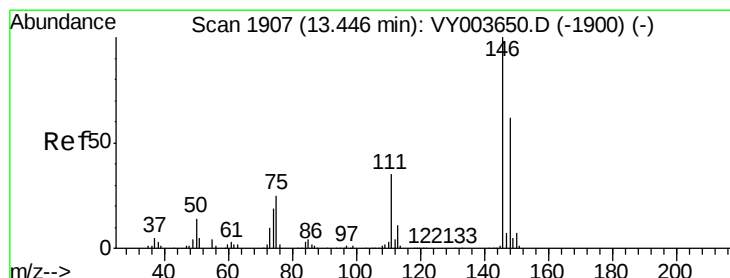
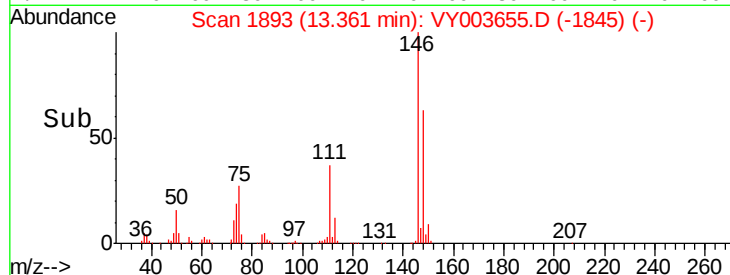
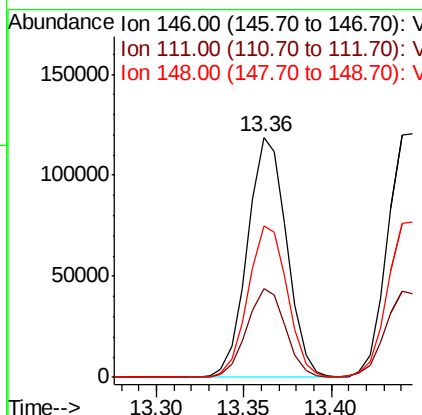
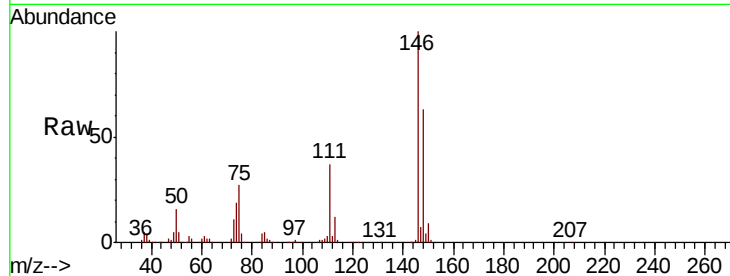




#64
 1,3-Dichlorobenzene
 Concen: 25.590 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

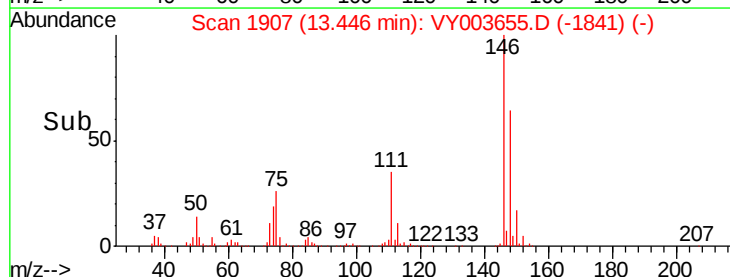
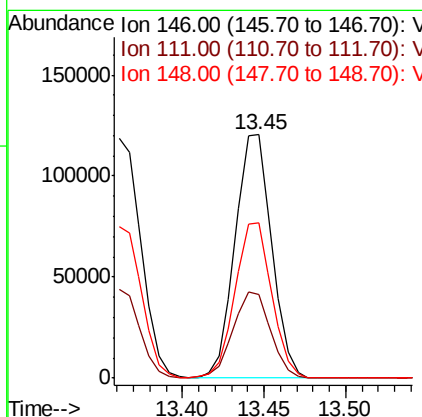
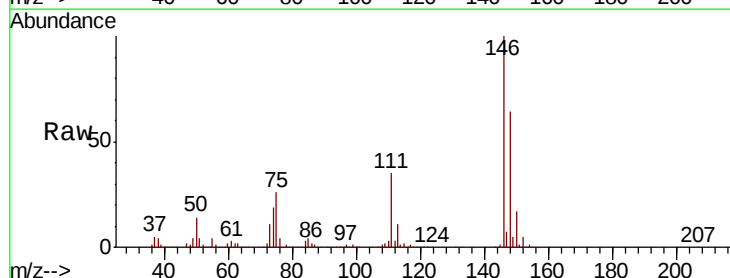
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

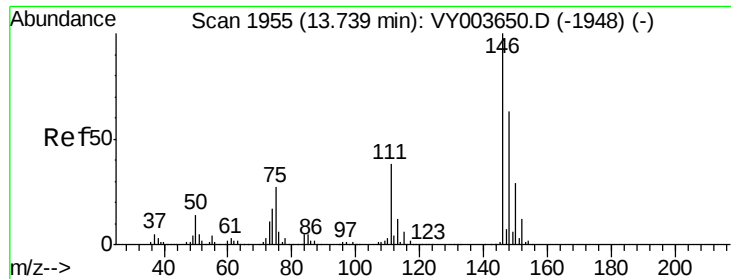
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	26.6	49.4
148	63.2	46.3	86.1



#65
 1,4-Dichlorobenzene
 Concen: 25.526 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	24.7	45.9
148	64.0	43.4	80.6

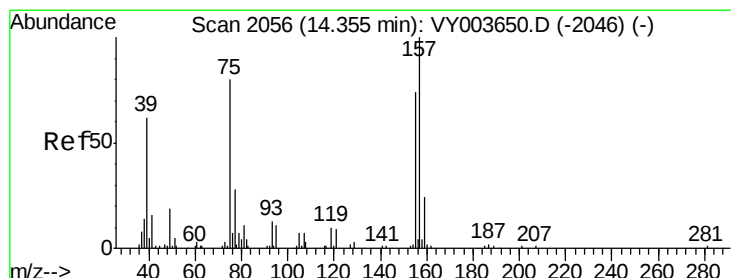
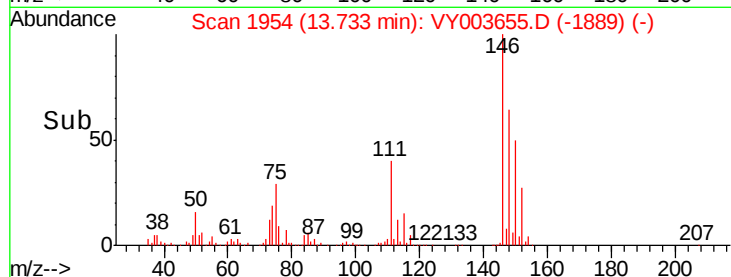
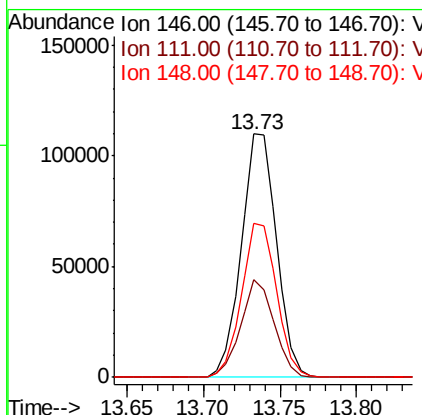
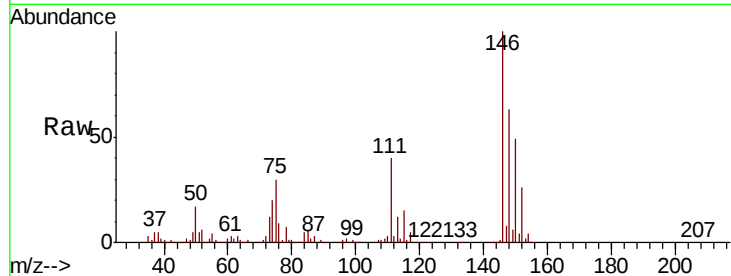




#67
 1,2-Dichlorobenzene
 Concen: 25.639 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

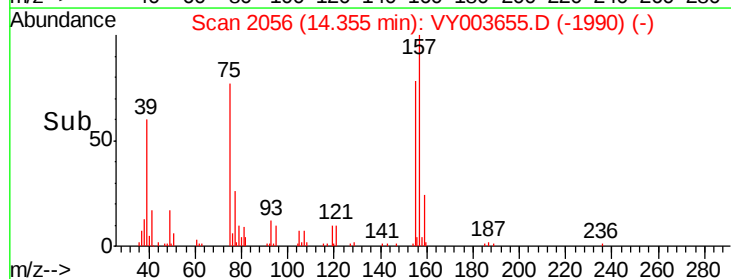
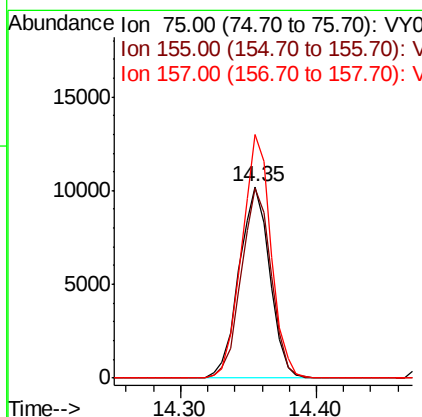
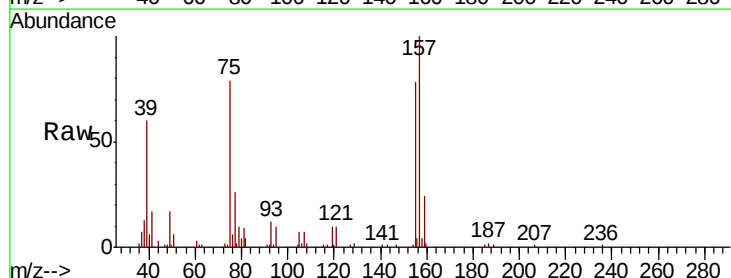
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

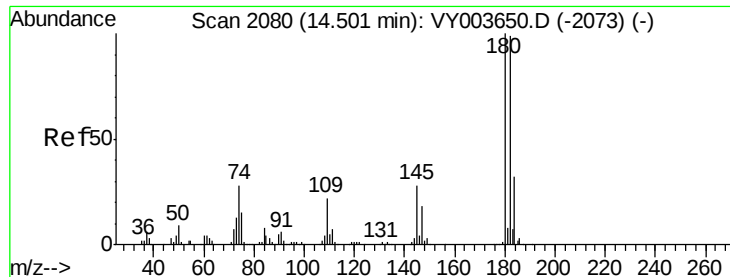
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	31.0	46.6
148	63.2	51.0	76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.600 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	73.4	110.0
157	127.2	98.1	147.1

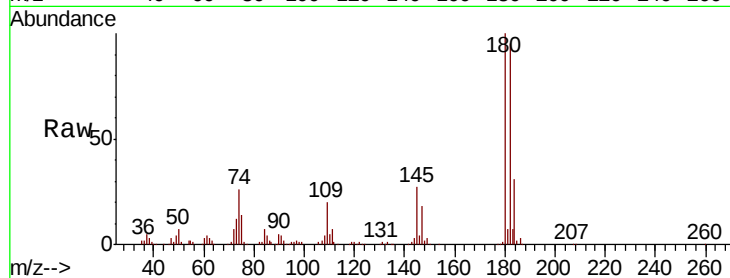




#69
 1,3,5-Trichlorobenzene
 Concen: 25.870 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025412

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.0
184	30.1	24.1	36.1
145	27.9	22.4	33.6



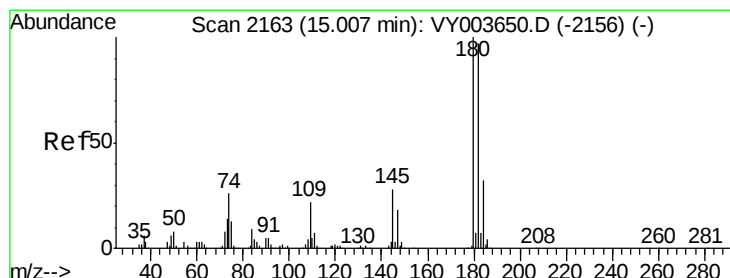
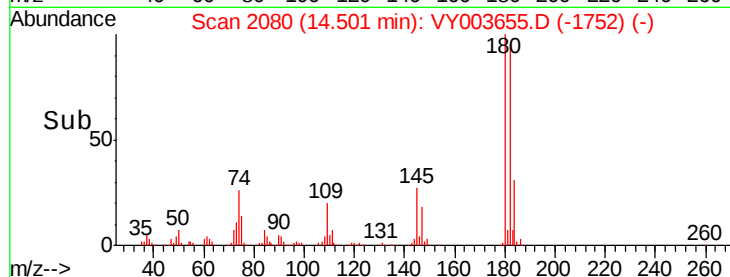
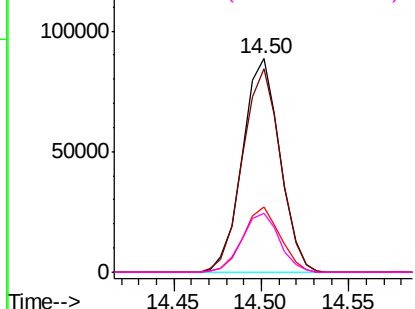
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

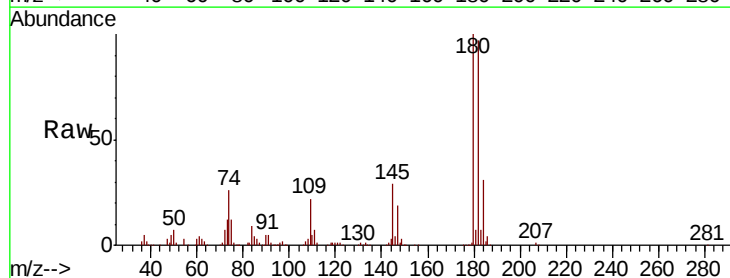
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.469 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003655.D
 Acq: 03 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	28.5	22.8	34.2

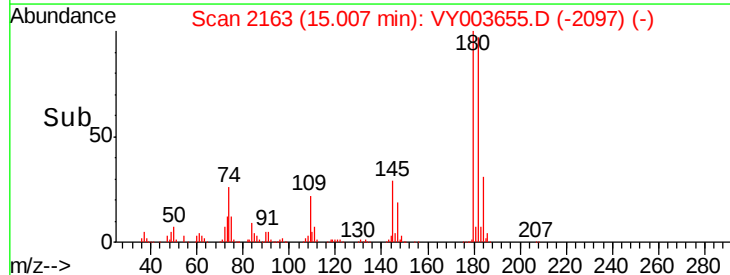
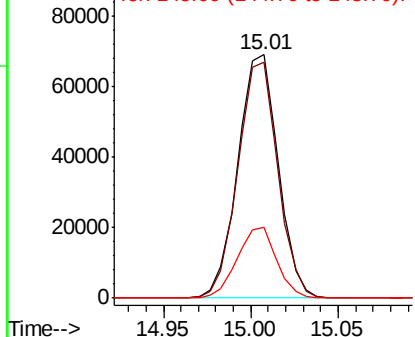


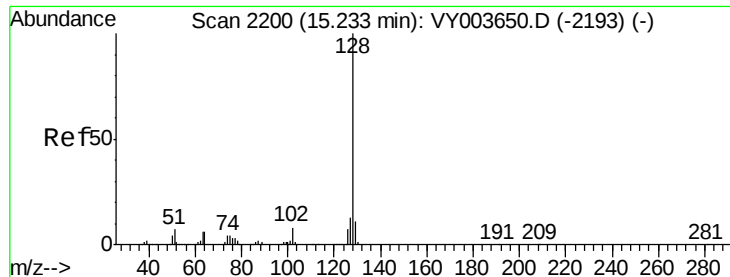
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

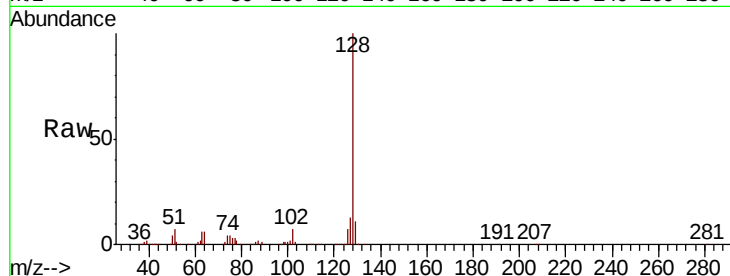




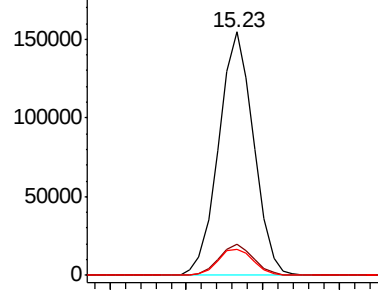
#71
Naphthalene
Concen: 25.790 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025412

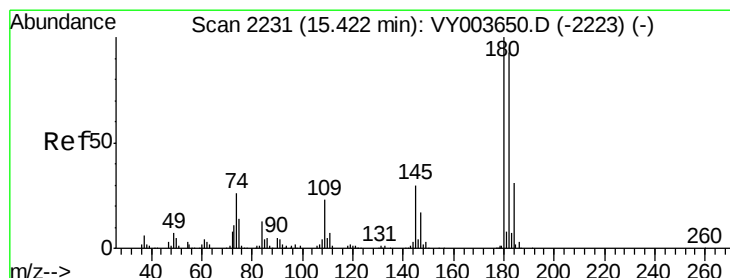
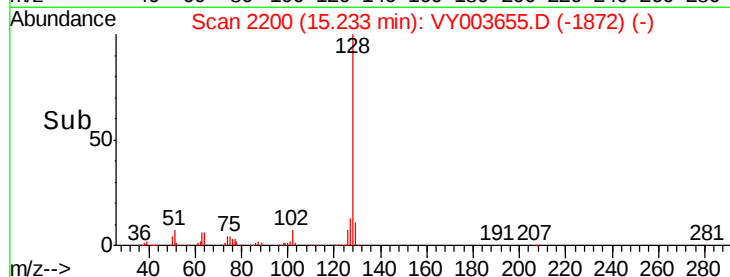
Tot Ion:128 Resp: 245237
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

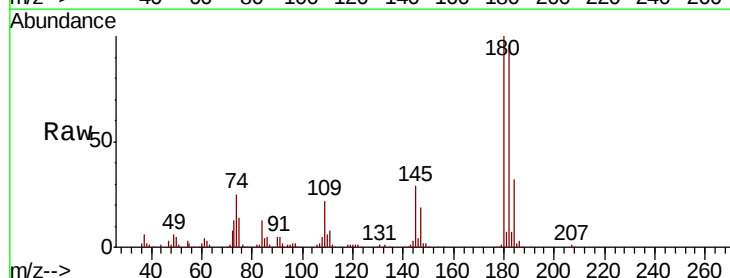


Time-->

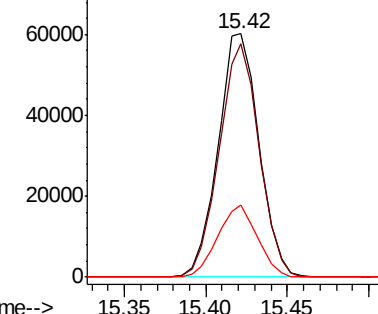


#72
1,2,3-Trichlorobenzene
Concen: 26.163 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003655.D
Acq: 03 Dec 2020 20:11

Tgt Ion:180 Resp: 104662
Ion Ratio Lower Upper
180 100
182 93.8 76.2 114.4
145 28.6 23.6 35.4



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



Time-->

