

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003622.D
 Acq On : 25 Nov 2020 13:55
 Operator : SY/MD
 Sample : VSTD10032
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100401

Quant Time: Nov 26 04:43:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	251625	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	232746	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	116864	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	315236	87.32	ug/L	0.00
7) Chloroethane-d5	2.77	69	242432	86.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	625426	89.79	ug/L	0.00
21) 2-Butanone-d5	6.90	46	254338	187.66	ug/L	0.00
24) Chloroform-d	7.48	84	594789	90.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	331085	89.61	ug/L	0.00
32) Benzene-d6	8.12	84	1222761	89.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	370041	91.11	ug/L	0.00
41) Toluene-d8	10.18	98	1117881	91.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	184435	93.65	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	209840	207.19	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	366700	90.31	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	380862	90.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	282803	94.066 ug/L	98
3) Chloromethane	2.11	50	309661	90.285 ug/L	99
5) Vinyl chloride	2.25	62	340608	92.945 ug/L	97
6) Bromomethane	2.66	94	235977	97.135 ug/L	98
8) Chloroethane	2.80	64	202885	92.659 ug/L	99
9) Trichlorofluoromethane	3.13	101	510775	92.212 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	323068	93.066 ug/L	99
12) 1,1-Dichloroethene	3.88	96	310160	94.886 ug/L	84
13) Acetone	3.97	43	193421	175.124 ug/L	98
14) Carbon disulfide	4.20	76	1036035	93.044 ug/L	99
15) Methyl Acetate	4.49	43	216571	91.398 ug/L	100
16) Methylene chloride	4.73	84	342681	68.330 ug/L	94
17) trans-1,2-Dichloroethene	5.23	96	335705	94.707 ug/L	98
18) Methyl tert-butyl Ether	5.23	73	870455	99.646 ug/L	100
19) 1,1-Dichloroethane	6.03	63	579954	93.995 ug/L	100
20) cis-1,2-Dichloroethene	7.00	96	361923	95.502 ug/L	100
22) 2-Butanone	7.00	43	302619	181.262 ug/L	99
23) Bromochloromethane	7.34	128	170565	91.919 ug/L	99
25) Chloroform	7.51	83	582616	93.958 ug/L	97
27) 1,2-Dichloroethane	8.25	62	387753	94.156 ug/L	97
29) Cyclohexane	7.79	56	561543	100.119 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	523375	94.861 ug/L	100
31) Carbon tetrachloride	7.90	117	470787	94.148 ug/L	99
33) Benzene	8.17	78	1335991	93.439 ug/L	100
34) Trichloroethene	8.94	95	334356	94.014 ug/L	97
35) Methylcyclohexane	9.19	83	602449	98.015 ug/L	98
37) 1,2-Dichloropropane	9.22	63	342923	95.394 ug/L	99
38) Bromodichloromethane	9.50	83	439133	95.793 ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	559362	99.407 ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	626593	197.328 ug/L	99

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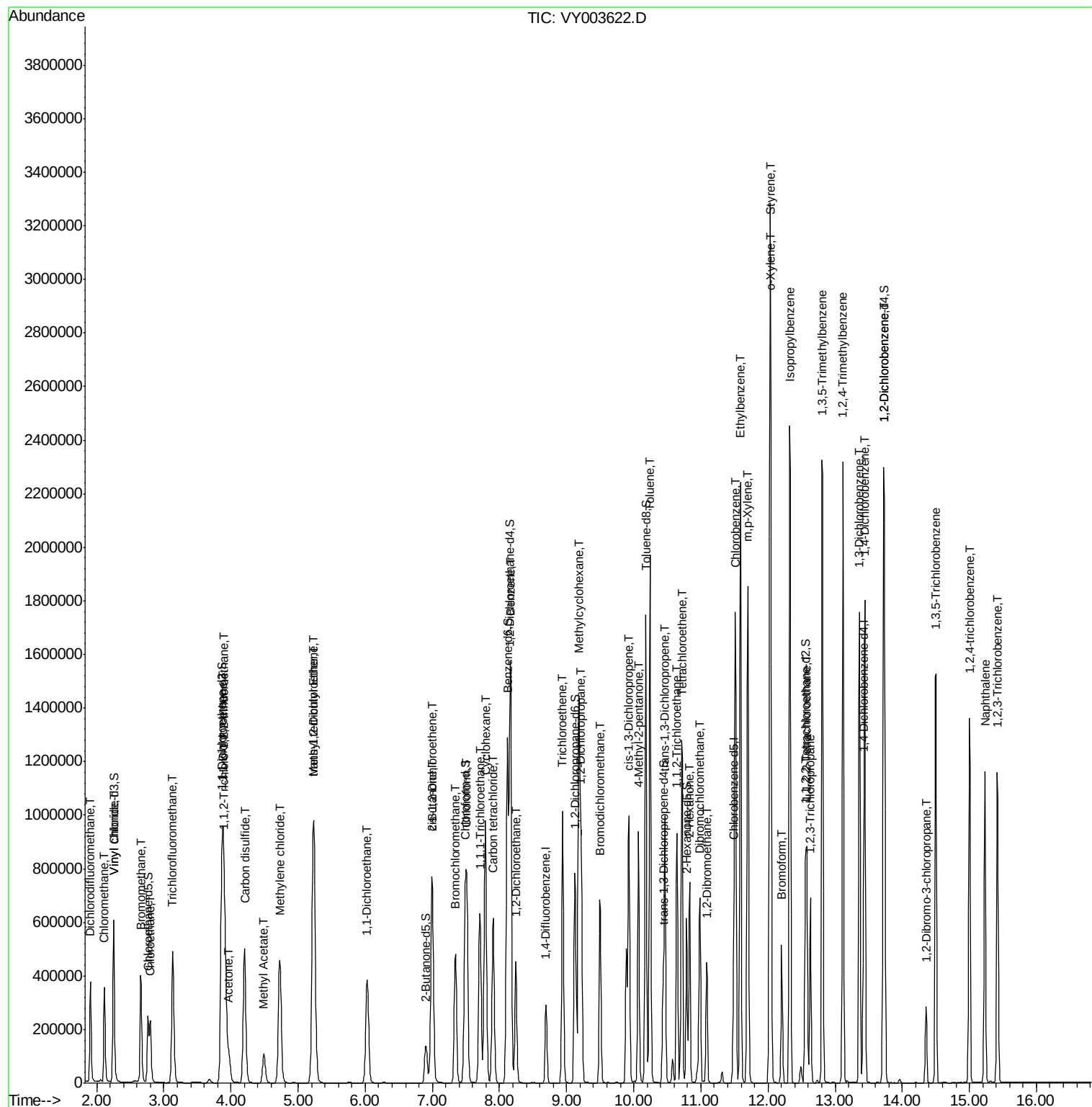
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	1444981	95.604	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	510677	98.898	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	280744	93.870	ug/L	99
46) Tetrachloroethene	10.72	164	289657	93.591	ug/L	96
48) 2-Hexanone	10.83	43	459632	202.898	ug/L	99
49) Dibromochloromethane	10.98	129	339870	96.763	ug/L	99
50) 1,2-Dibromoethane	11.09	107	277420	96.447	ug/L	100
51) Chlorobenzene	11.51	112	911703	94.974	ug/L	99
52) Ethylbenzene	11.59	91	1570829	96.756	ug/L	99
53) m,p-Xylene	11.70	106	604018	97.092	ug/L	98
54) o-Xylene	12.03	106	576736	97.404	ug/L	97
55) Styrene	12.04	104	1007145	99.221	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	371212	93.976	ug/L	97
59) Bromoform	12.21	173	227563	97.739	ug/L	99
60) Isopropylbenzene	12.32	105	1540751	100.304	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	264852	94.790	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	1218734	100.853	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	1195448	100.686	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	687119	94.220	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	683016	91.456	ug/L	97
67) 1,2-Dichlorobenzene	13.73	146	632611	93.522	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	61670	97.147	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	471867	93.547	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	413936	95.284	ug/L	100
71) Naphthalene	15.23	128	938992	103.816	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	380434	95.500	ug/L	99

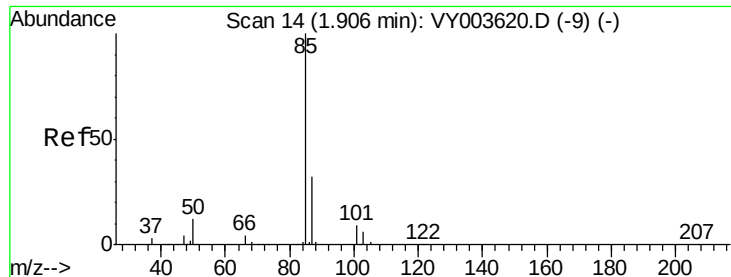
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 94.066 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

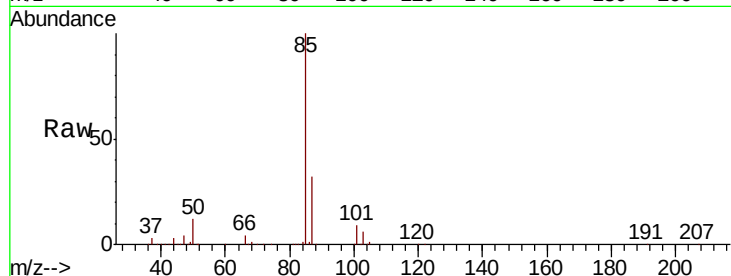
VSTD100401

Tot Ion: 85 Resp: 282803

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.91

200000

150000

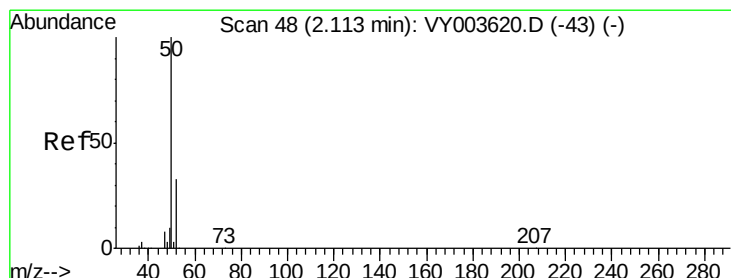
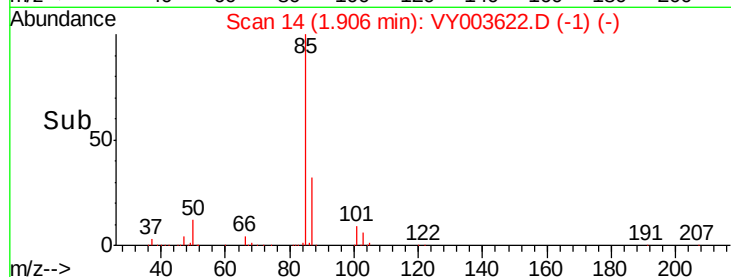
100000

50000

0

1.85 1.90 1.95 2.00

Time-->



#3

Chloromethane

Concen: 90.285 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003622.D

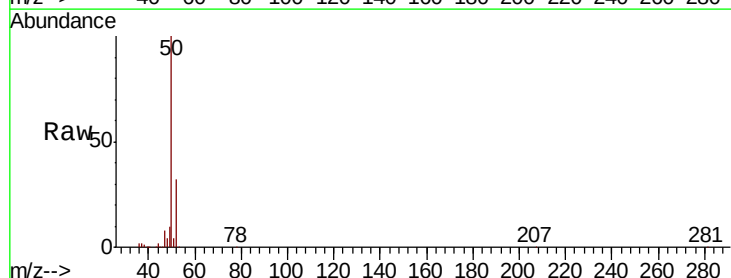
Acq: 25 Nov 2020 13:55

Tgt Ion: 50 Resp: 309661

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.11

250000

200000

150000

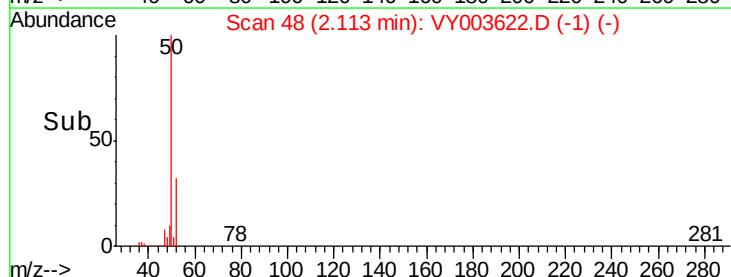
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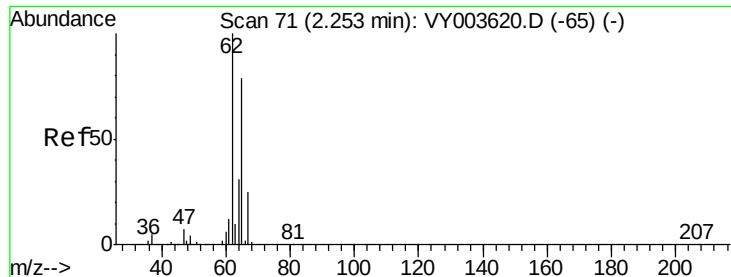
50000

0

2.05 2.10 2.15 2.20

Time-->





#5

Vinyl chloride

Concen: 92.945 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

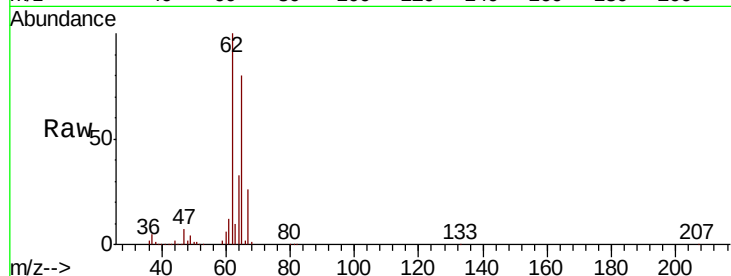
VSTD100401

Tot Ion: 62 Resp: 340608

Ion Ratio Lower Upper

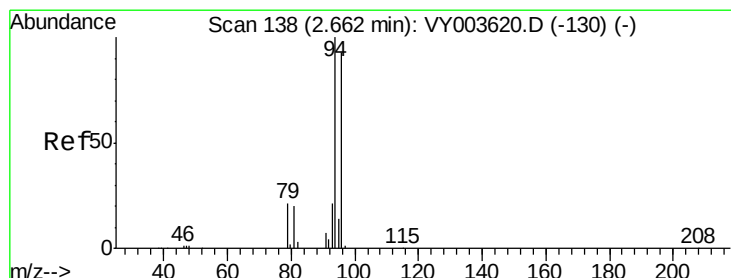
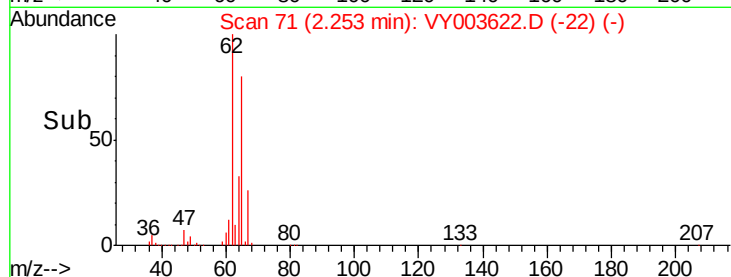
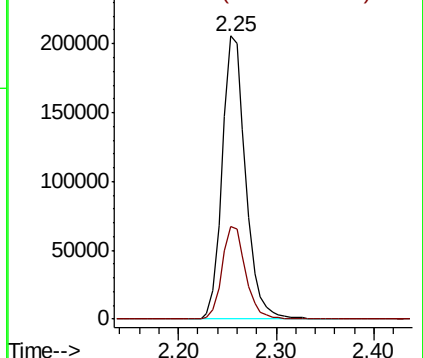
62 100

64 32.8 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 97.135 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003622.D

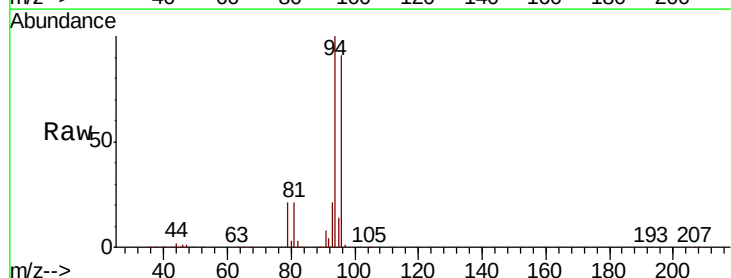
Acq: 25 Nov 2020 13:55

Tgt Ion: 94 Resp: 235977

Ion Ratio Lower Upper

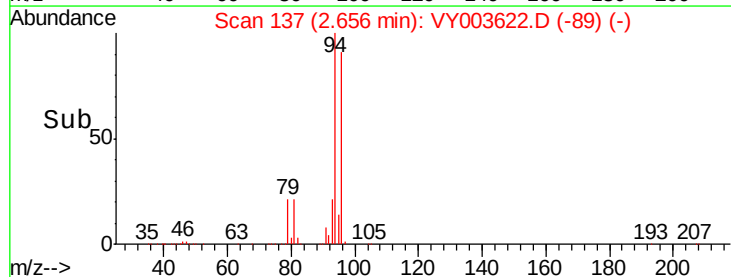
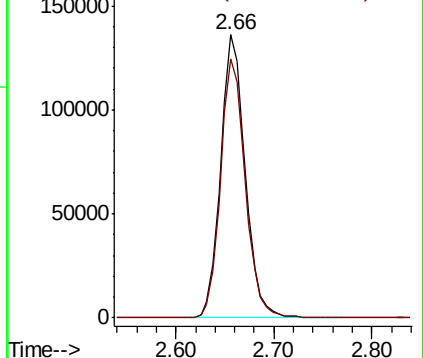
94 100

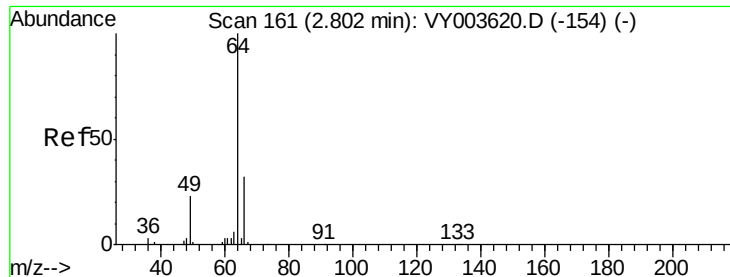
96 91.4 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 92.659 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

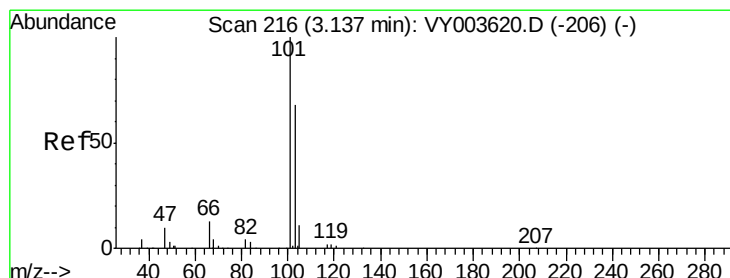
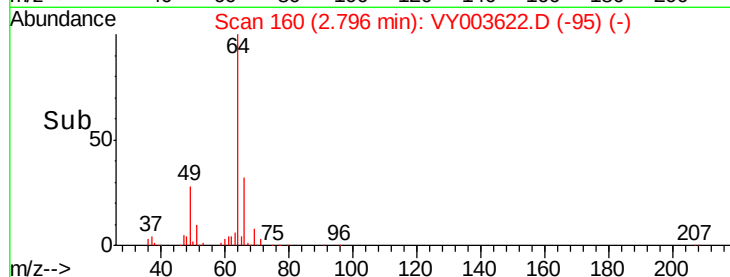
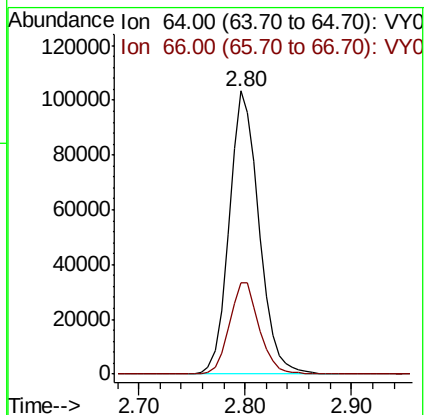
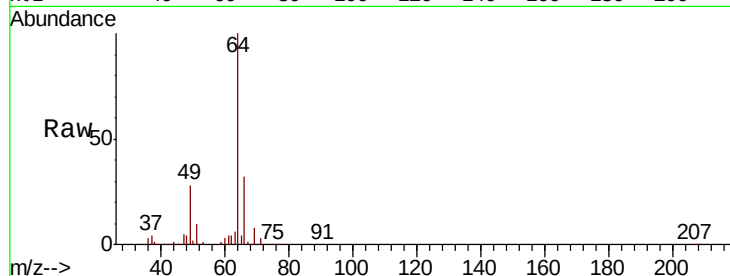
VSTD100401

Tot Ion: 64 Resp: 202885

Ion Ratio Lower Upper

64 100

66 32.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 92.212 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003622.D

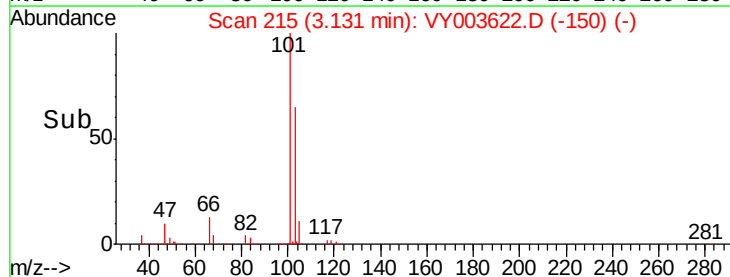
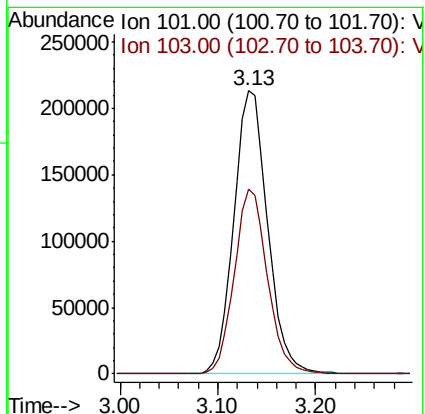
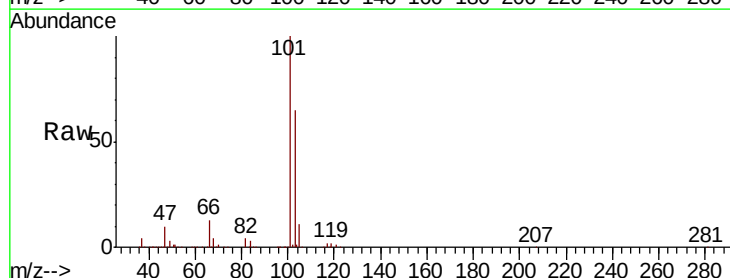
Acq: 25 Nov 2020 13:55

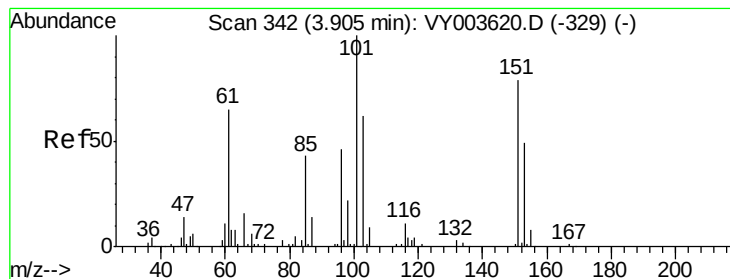
Tgt Ion: 101 Resp: 510775

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9





#10

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

Concen: 93.066 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

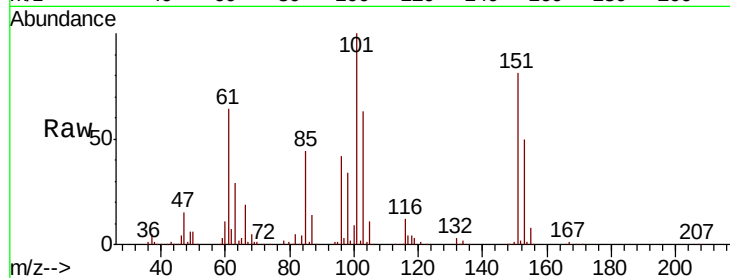
Tot Ion:101 Resp: 323068

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

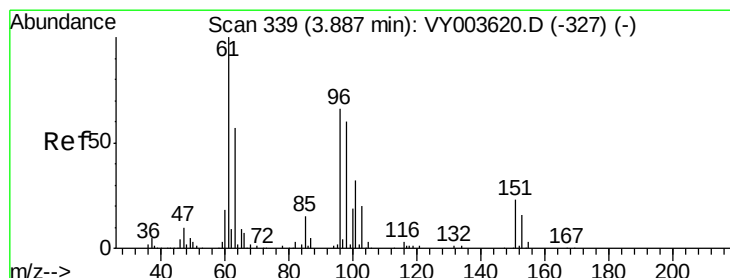
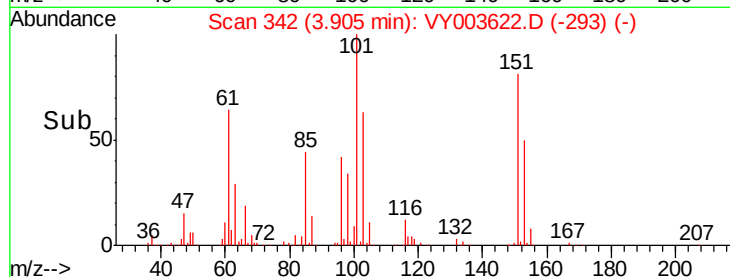
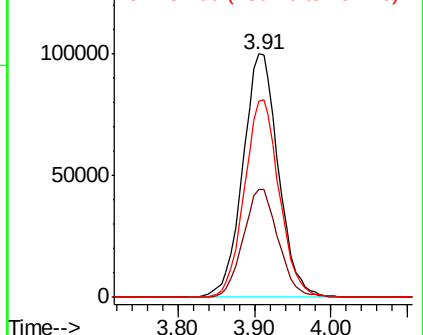
151 79.8 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003622.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003622.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003622.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 94.886 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

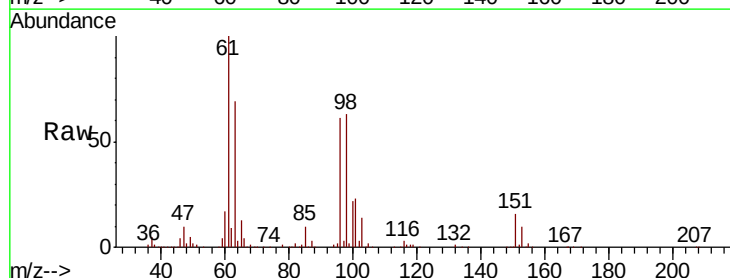
Tgt Ion: 96 Resp: 310160

Ion Ratio Lower Upper

96 100

61 164.5 106.1 197.1

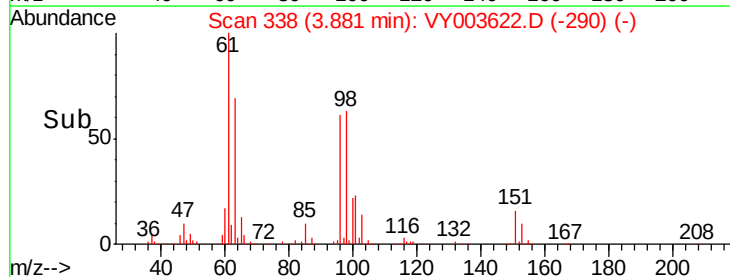
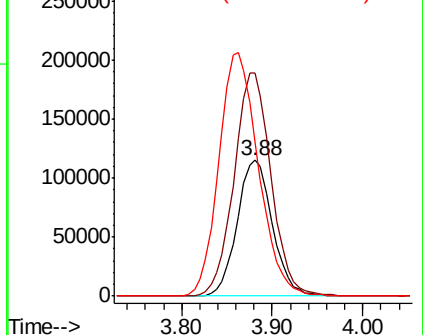
63 113.3 62.9 116.9

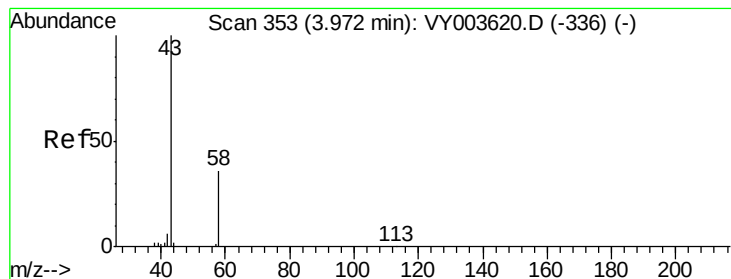


Abundance Ion 96.00 (95.70 to 96.70): VY003622.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003622.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003622.D (-290) (-)





#13

Acetone

Concen: 175.124 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

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ClientSampleId :

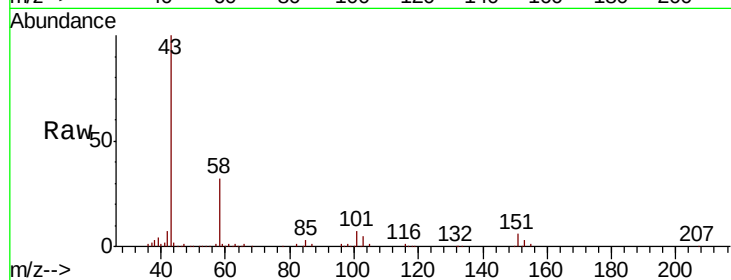
VSTD100401

Tot Ion: 43 Resp: 193421

Ion Ratio Lower Upper

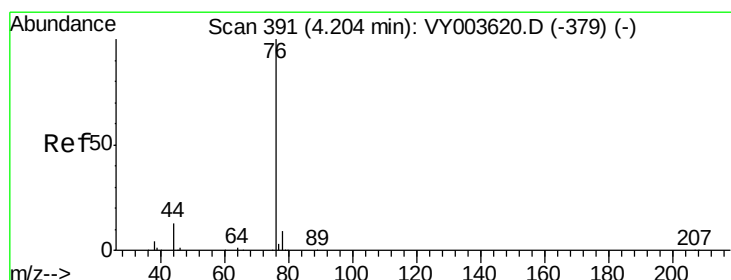
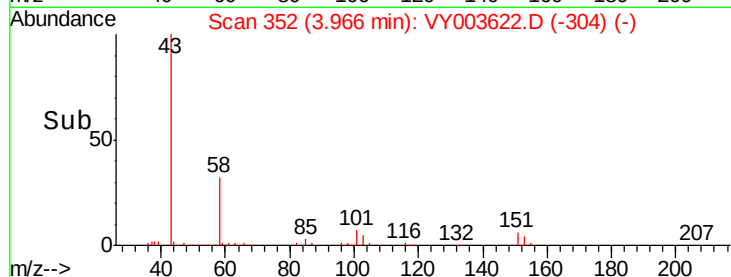
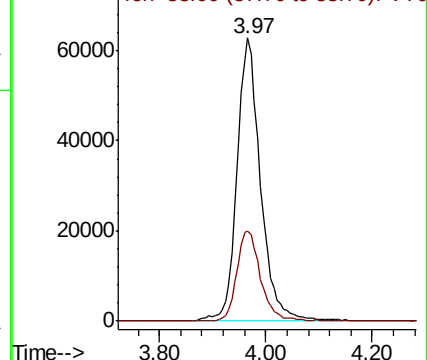
43 100

58 31.7 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: 93.044 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003622.D

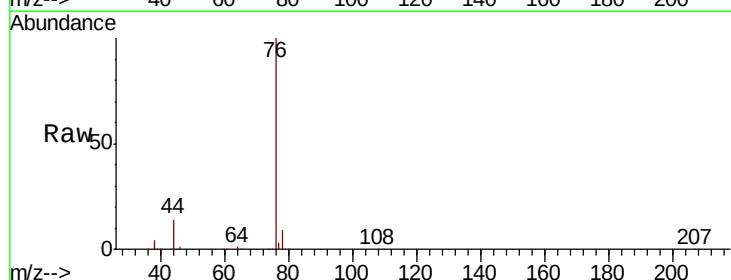
Acq: 25 Nov 2020 13:55

Tgt Ion: 76 Resp: 1036035

Ion Ratio Lower Upper

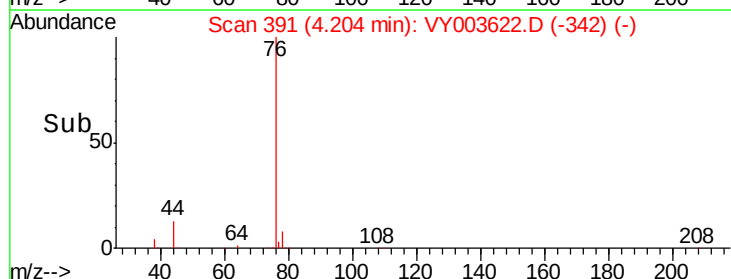
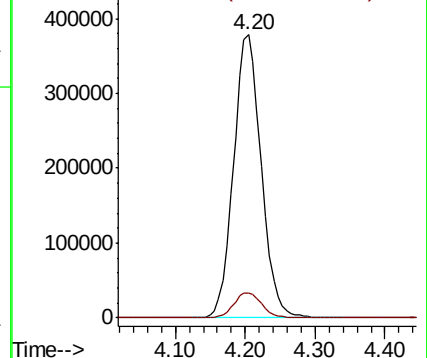
76 100

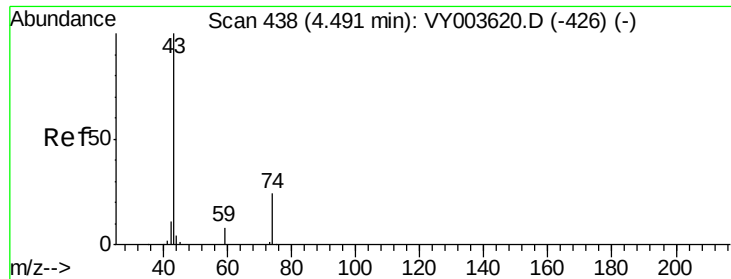
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

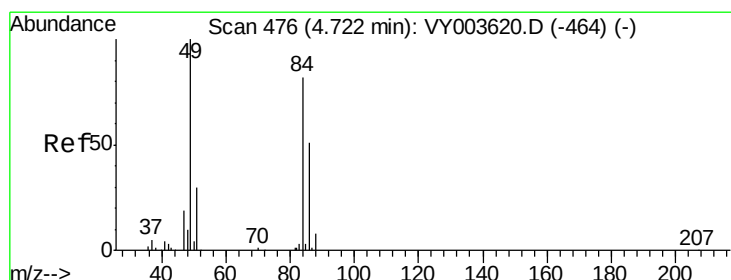
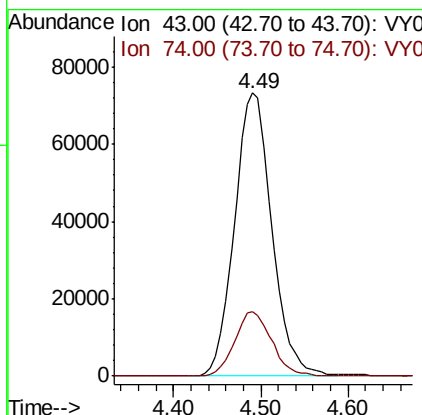
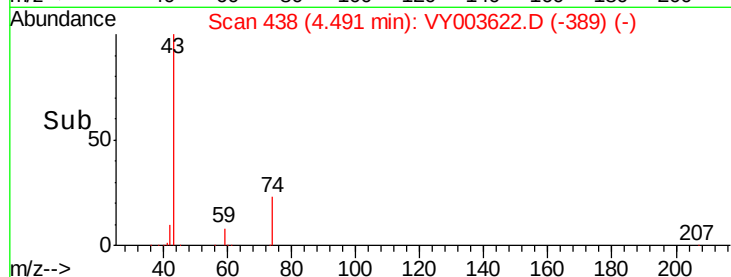
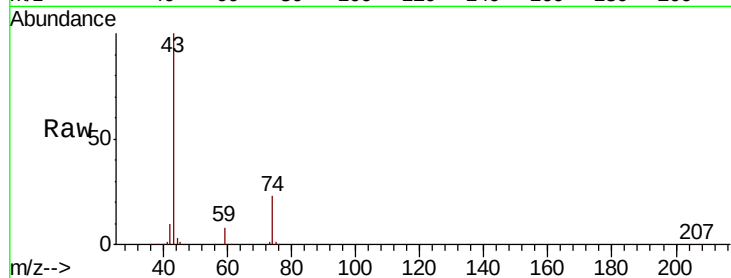




#15
Methyl Acetate
Concen: 91.398 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

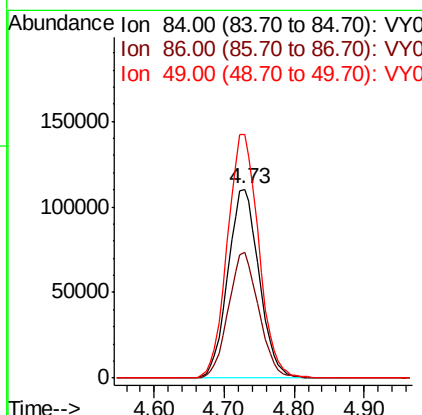
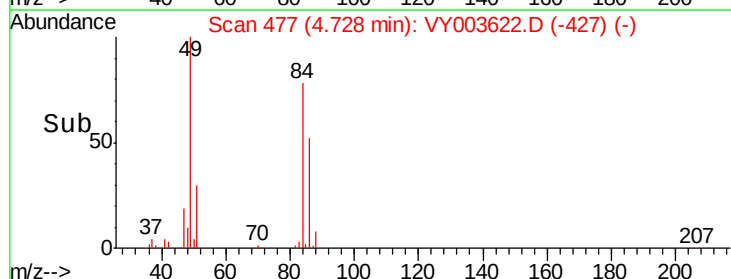
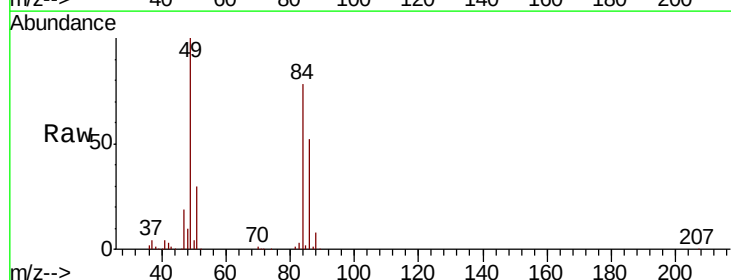
Instrument :
MSVOA_Y
ClientSampled :
VSTD100401

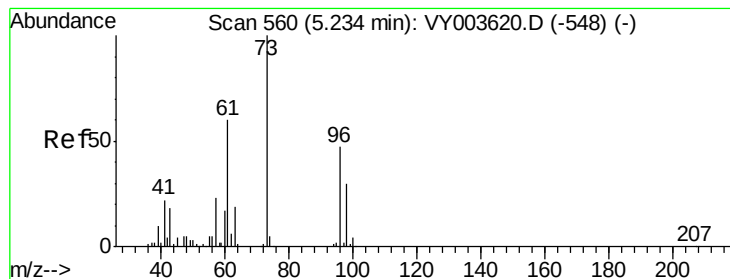
Tot Ion: 43 Resp: 216571
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.2



#16
Methylene chloride
Concen: 68.330 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Tgt Ion: 84 Resp: 342681
Ion Ratio Lower Upper
84 100
86 66.8 43.3 80.3
49 128.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 94.707 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

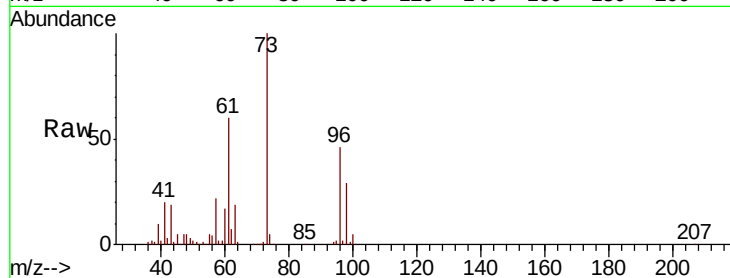
Tot Ion: 96 Resp: 335705

Ion Ratio Lower Upper

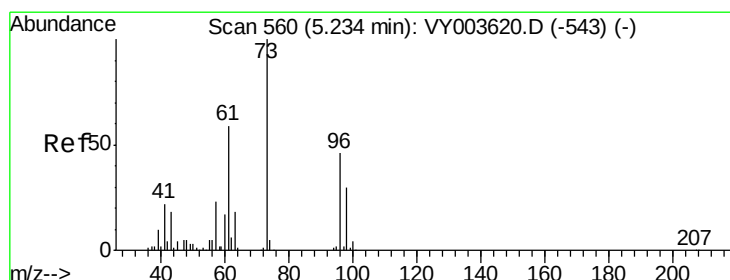
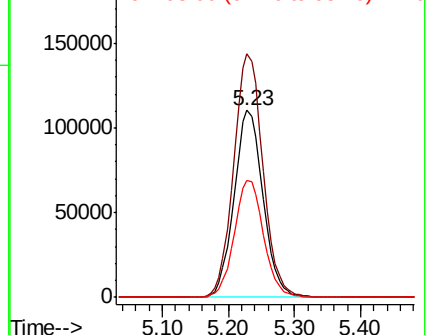
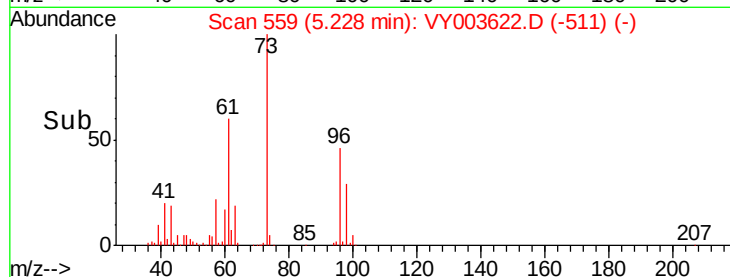
96 100

61 130.2 89.5 166.1

98 62.4 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: 99.646 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

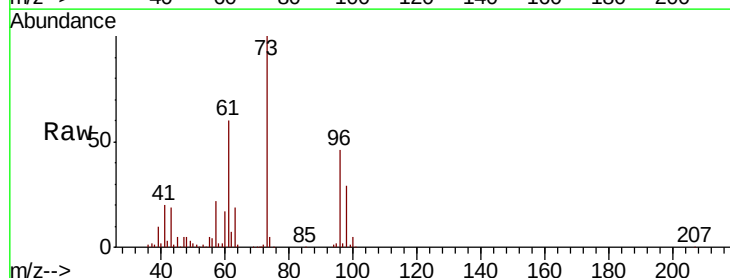
Tgt Ion: 73 Resp: 870455

Ion Ratio Lower Upper

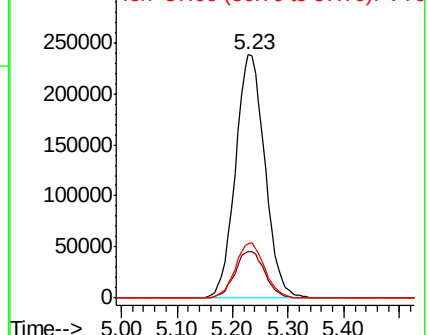
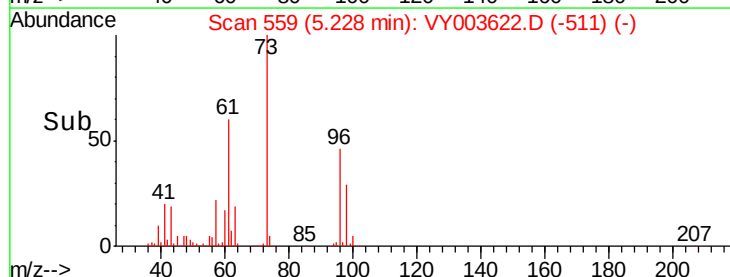
73 100

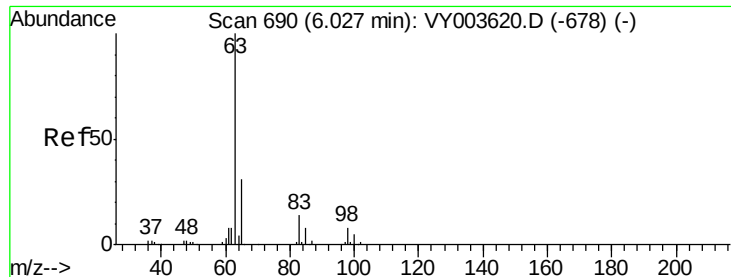
43 19.5 15.2 22.8

57 22.6 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: 93.995 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

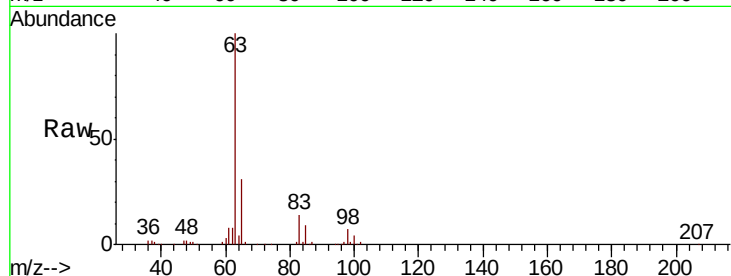
Tot Ion: 63 Resp: 579954

Ion Ratio Lower Upper

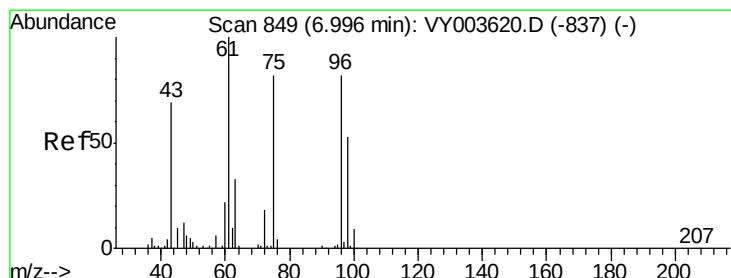
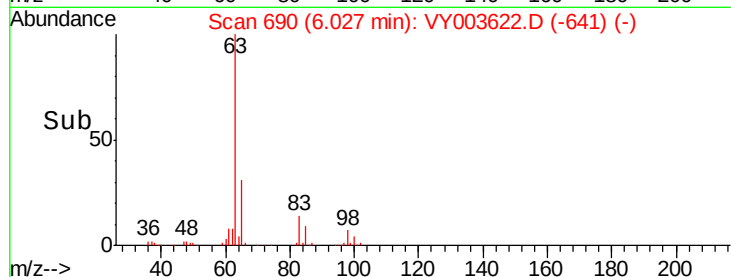
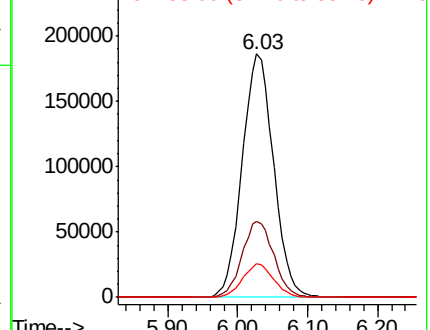
63 100

65 31.1 21.9 40.7

83 13.6 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: 95.502 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

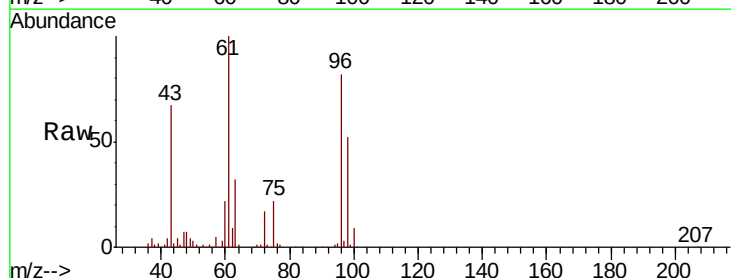
Tgt Ion: 96 Resp: 361923

Ion Ratio Lower Upper

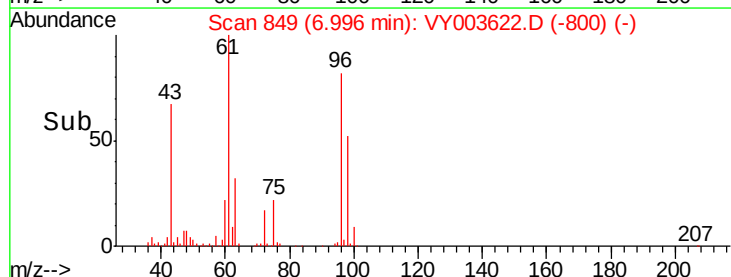
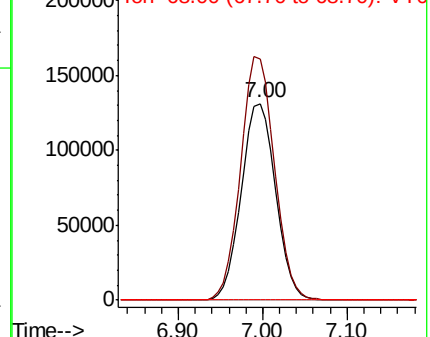
96 100

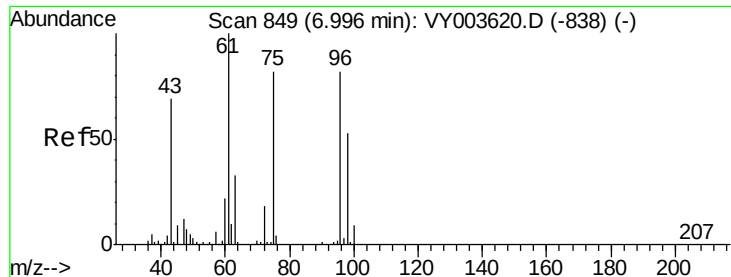
61 122.5 85.8 159.4

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

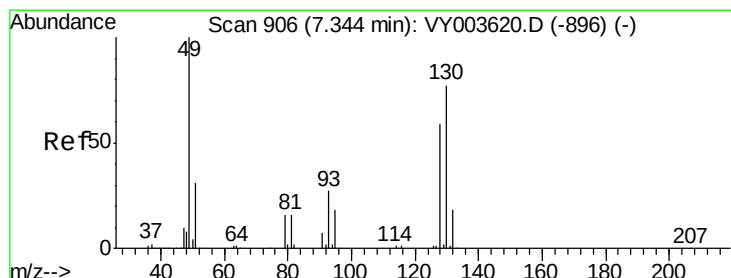
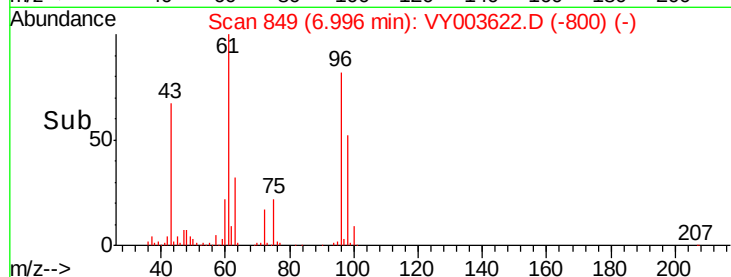
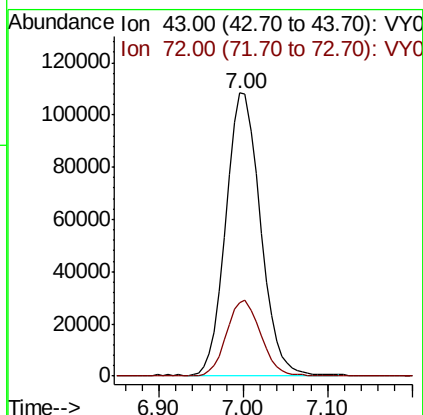
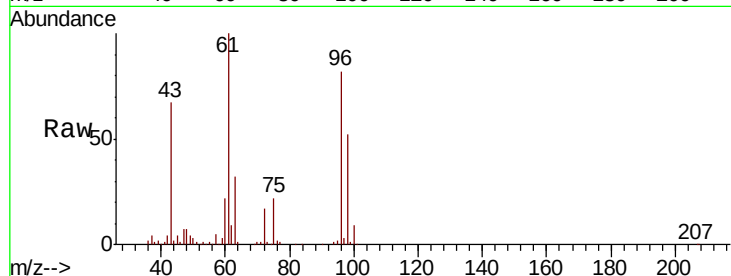




#22
2-Butanone
Concen: 181.262 ug/L
RT: 7.00 min Scan# 849
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

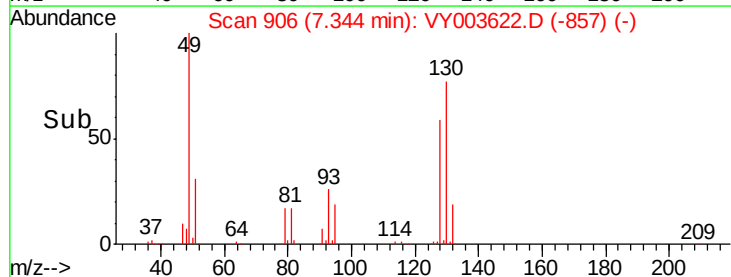
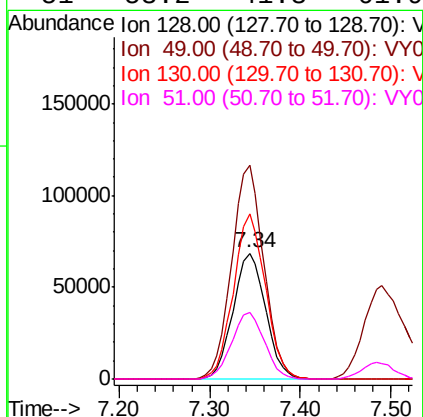
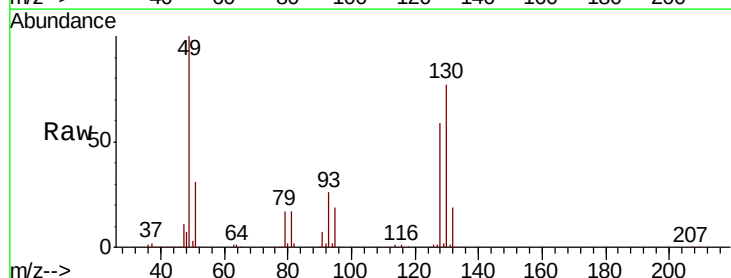
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100401

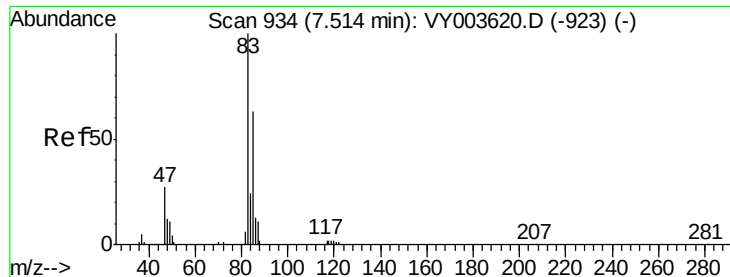
Tot Ion: 43 Resp: 302619
Ion Ratio Lower Upper
43 100
72 26.6 13.5 40.5



#23
Bromochloromethane
Concen: 91.919 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Tgt Ion:128 Resp: 170565
Ion Ratio Lower Upper
128 100
49 169.7 118.1 219.3
130 131.2 90.5 168.1
51 53.2 41.3 61.9





#25

Chloroform

Concen: 93.958 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

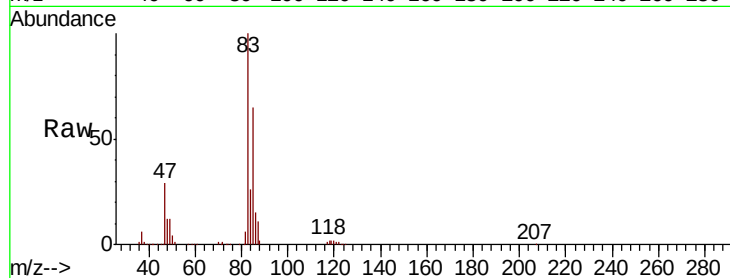
VSTD100401

Tot Ion: 83 Resp: 582616

Ion Ratio Lower Upper

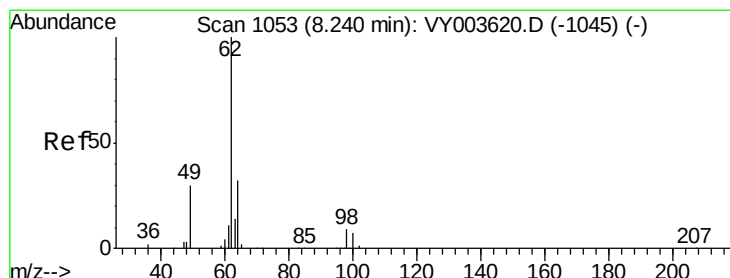
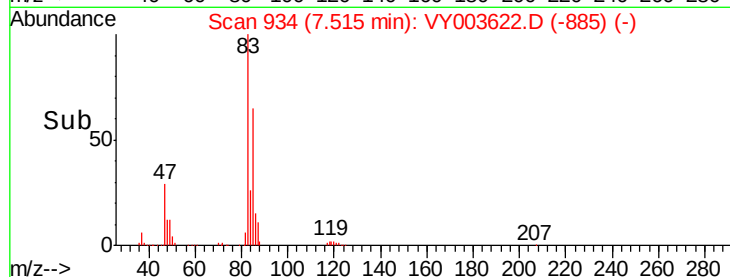
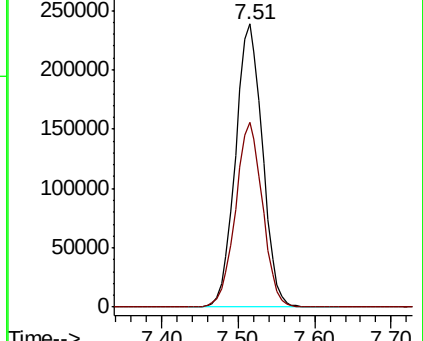
83 100

85 65.4 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 94.156 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY003622.D

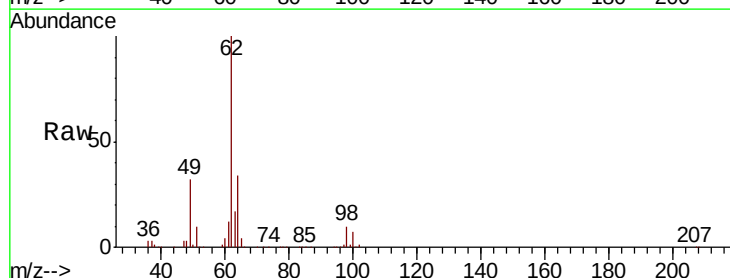
Acq: 25 Nov 2020 13:55

Tgt Ion: 62 Resp: 387753

Ion Ratio Lower Upper

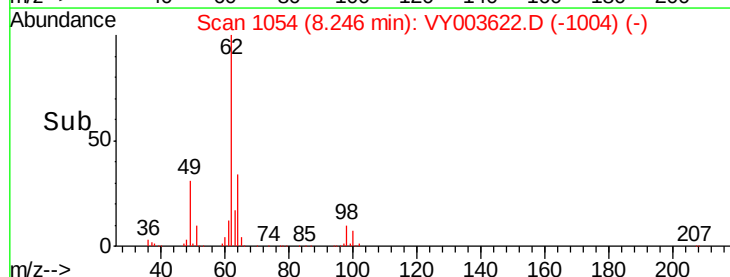
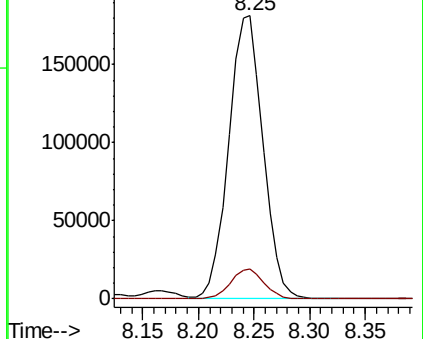
62 100

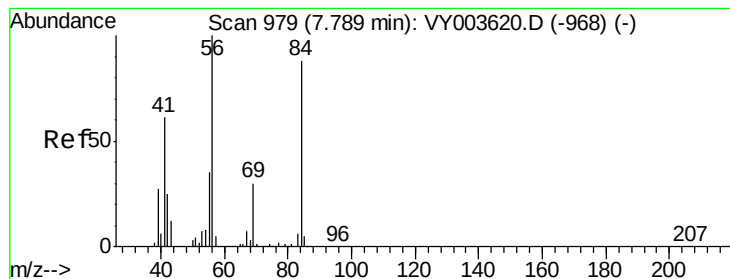
98 10.5 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 100.119 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

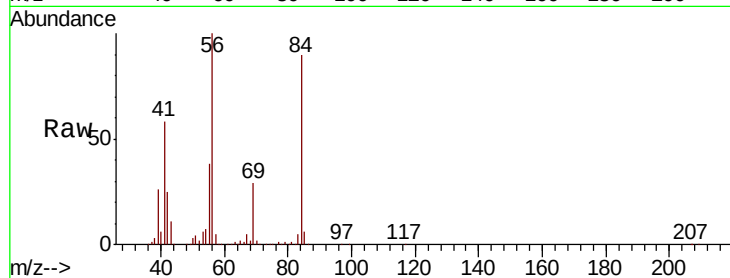
Tot Ion: 56 Resp: 561543

Ion Ratio Lower Upper

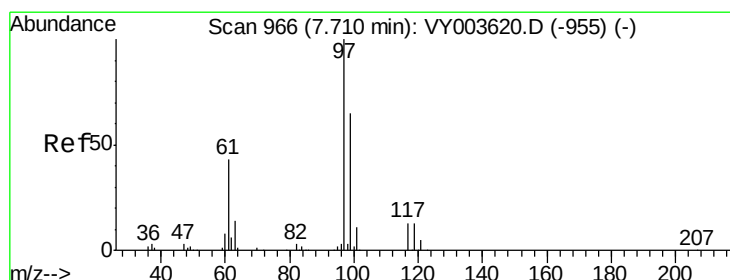
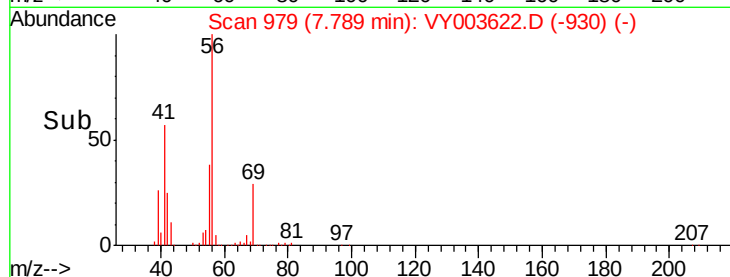
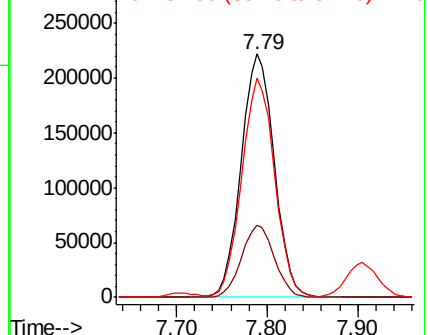
56 100

69 29.4 23.9 35.9

84 89.6 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 94.861 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

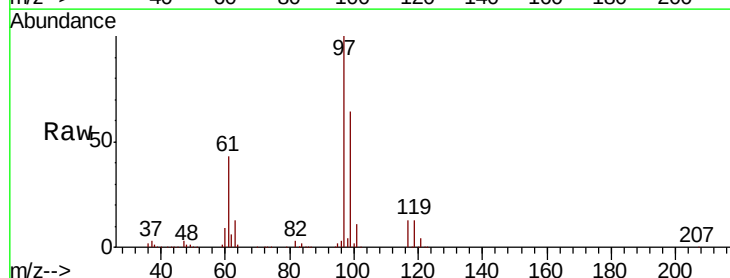
Tgt Ion: 97 Resp: 523375

Ion Ratio Lower Upper

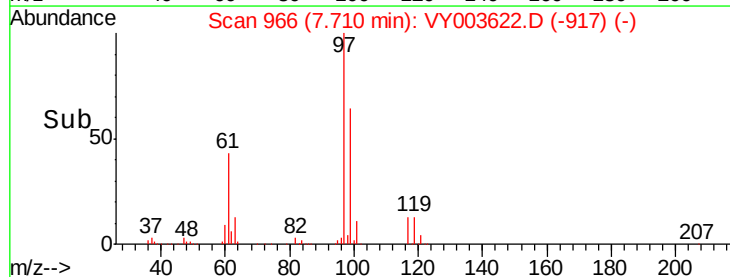
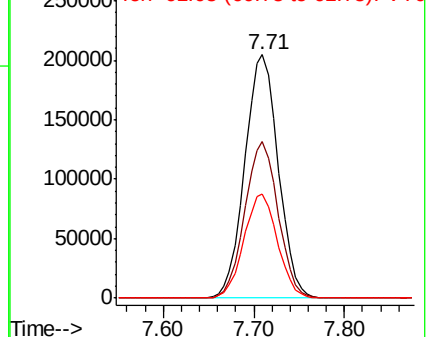
97 100

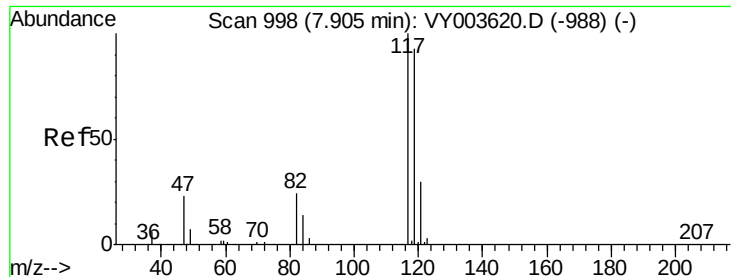
99 63.9 50.6 76.0

61 42.8 34.3 51.5



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 94.148 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

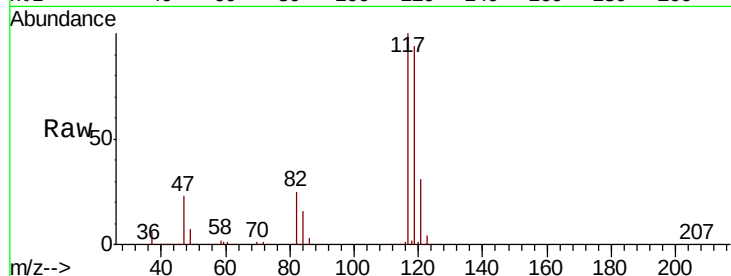
VSTD100401

Tot Ion:117 Resp: 470787

Ion Ratio Lower Upper

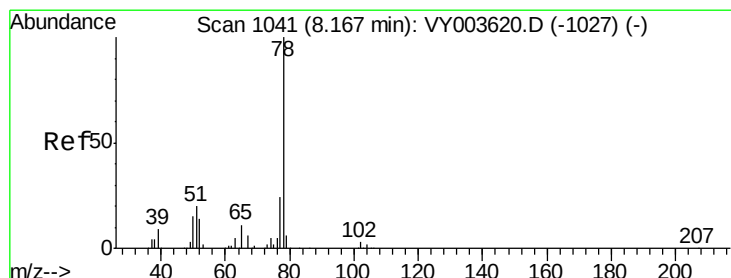
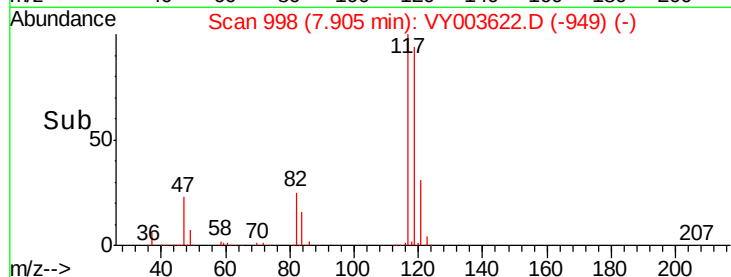
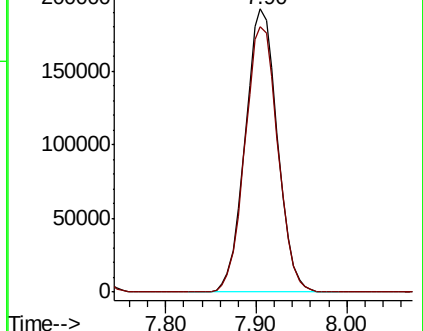
117 100

119 96.0 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: 93.439 ug/L

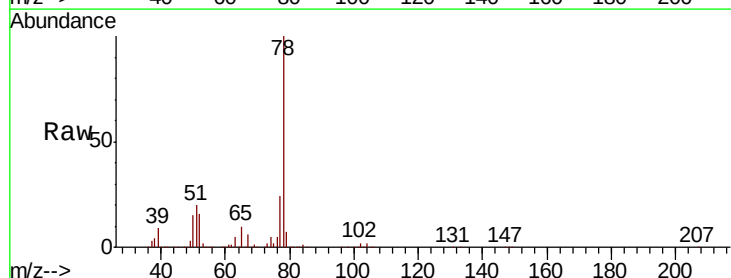
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

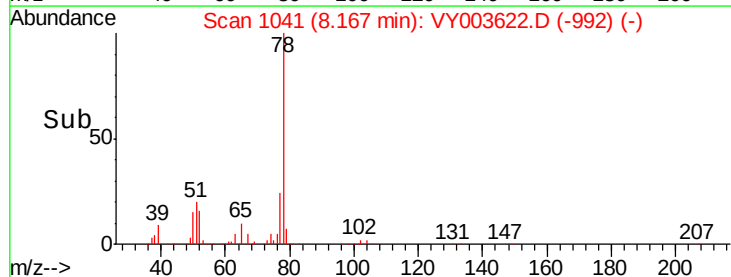
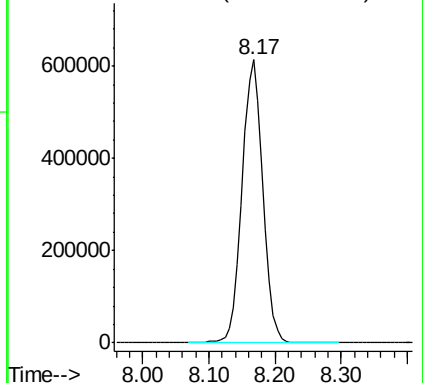
Lab File: VY003622.D

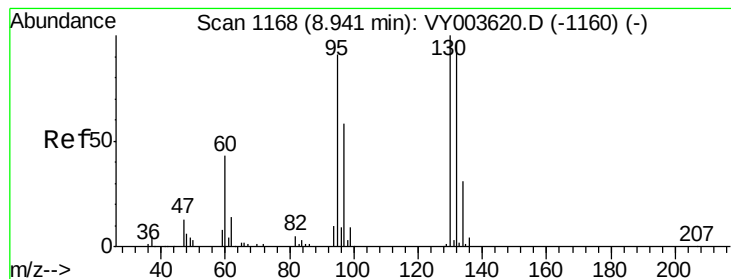
Acq: 25 Nov 2020 13:55

Tgt Ion: 78 Resp: 1335991



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 94.014 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampled :

VSTD100401

Tot Ion: 95 Resp: 334356

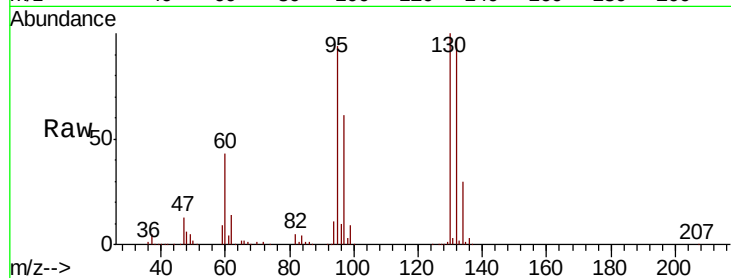
Ion Ratio Lower Upper

95 100

97 64.4 44.7 83.1

132 102.9 74.7 138.7

130 106.3 76.8 142.6

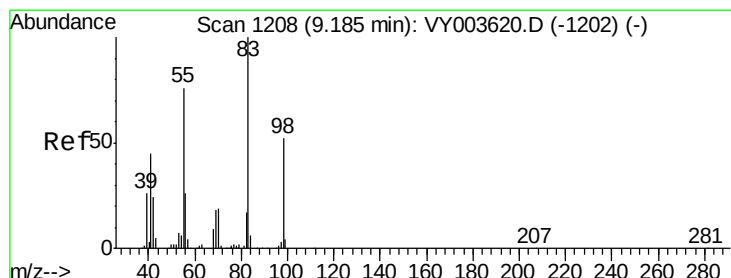
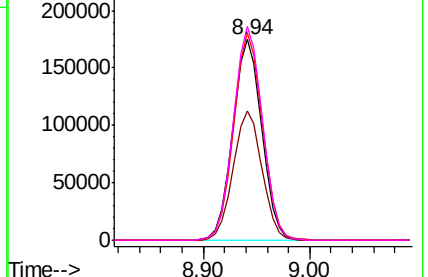
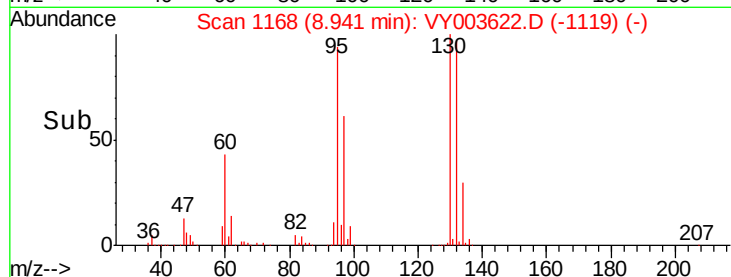


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 98.015 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

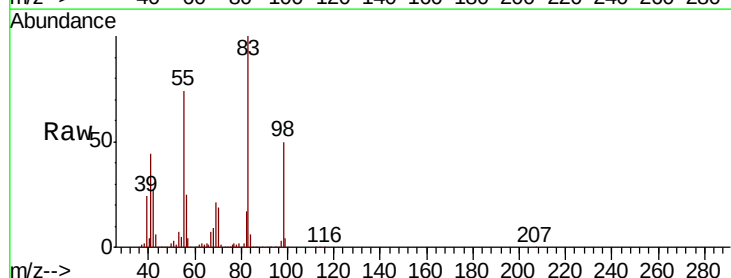
Tgt Ion: 83 Resp: 602449

Ion Ratio Lower Upper

83 100

55 73.8 58.3 87.5

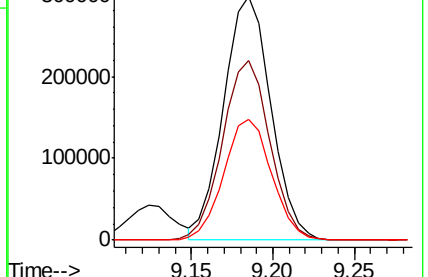
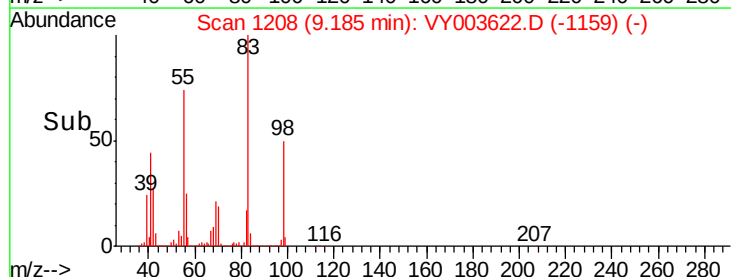
98 50.2 39.0 58.6

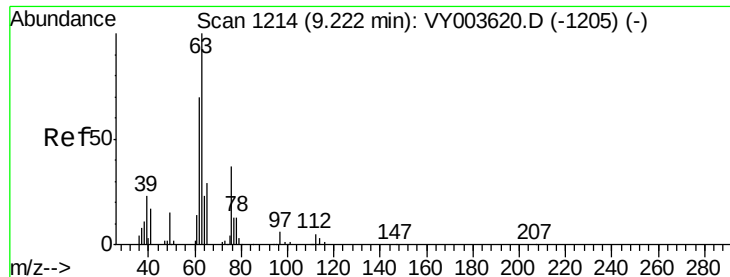


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

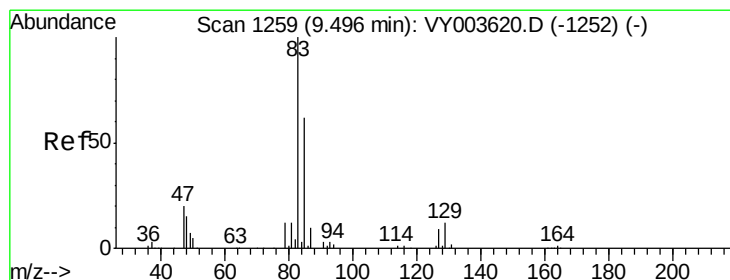
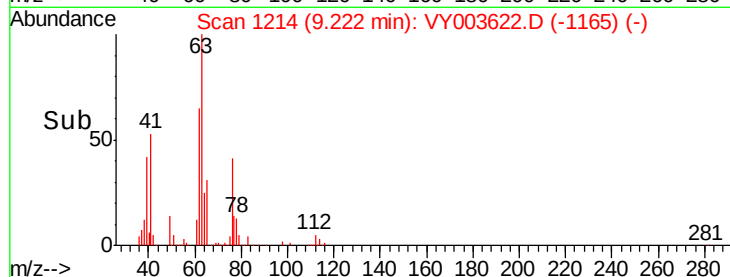
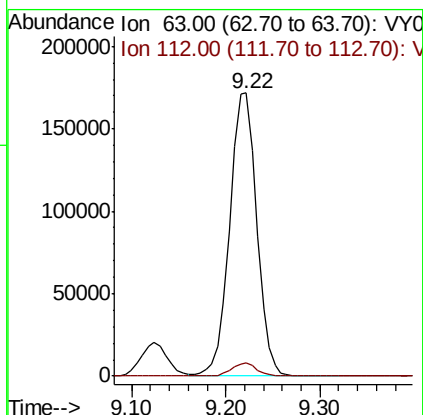
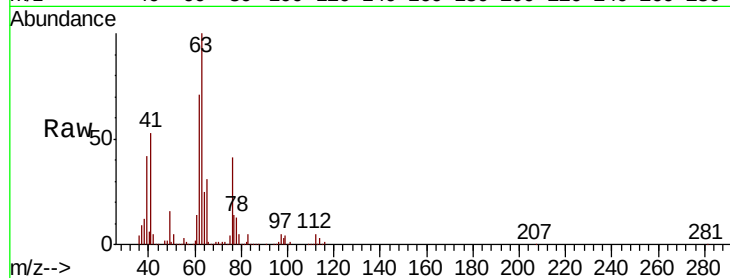




#37
 1,2-Dichloropropane
 Concen: 95.394 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

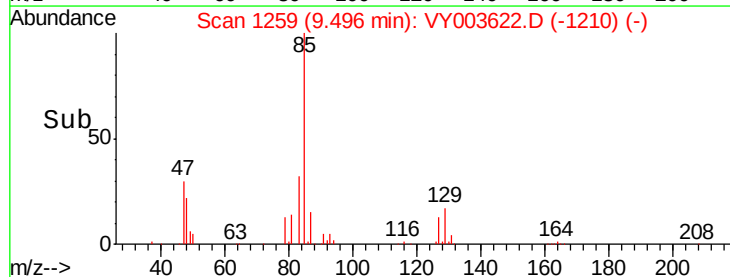
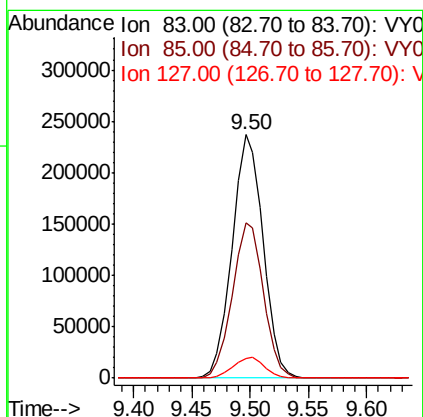
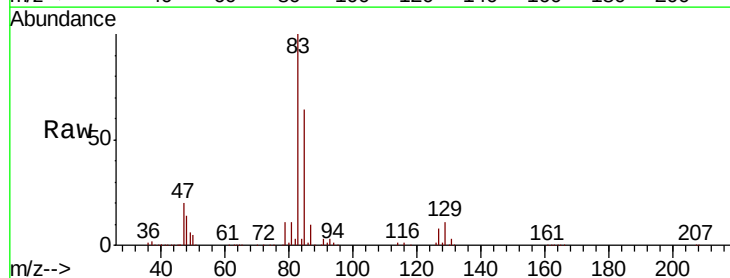
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100401

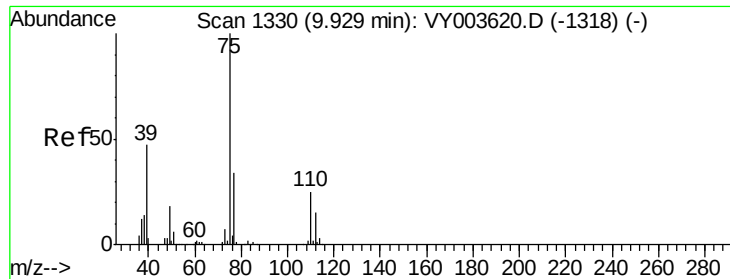
Tot Ion: 63 Resp: 342923
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 95.793 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Tgt Ion: 83 Resp: 439133
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.1 80.1
 127 8.2 7.1 10.7



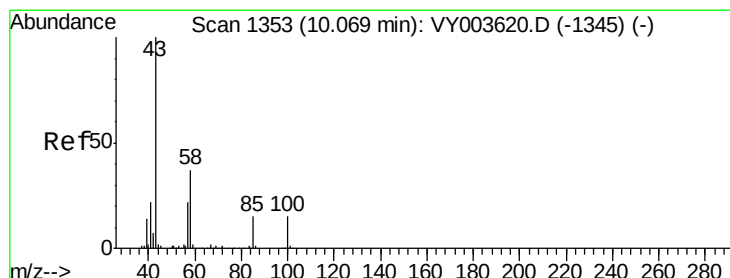
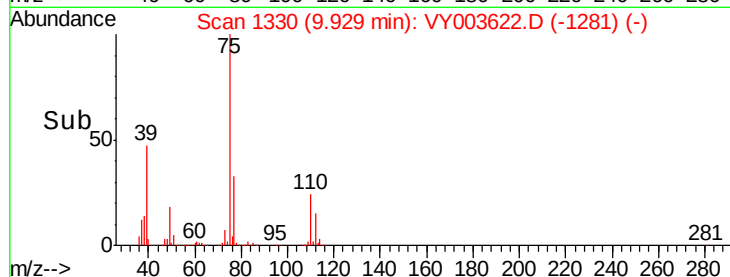
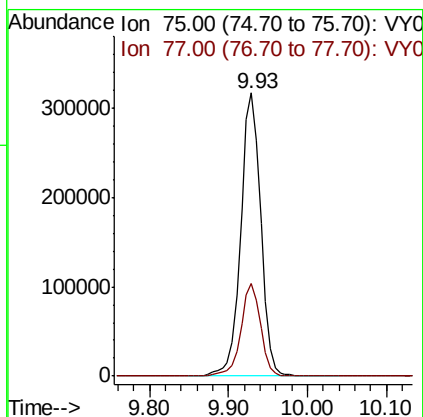
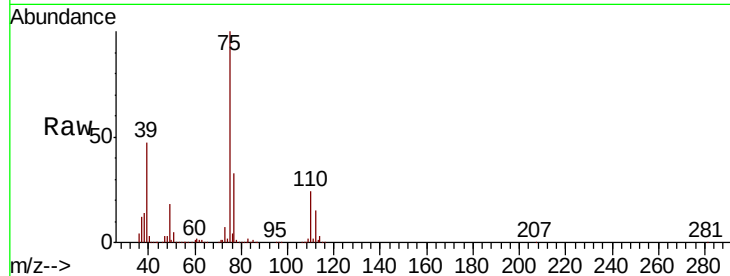


#39

cis-1,3-Dichloropropene
 Concen: 99.407 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100401

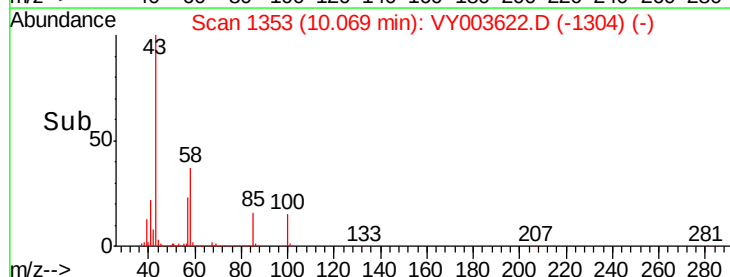
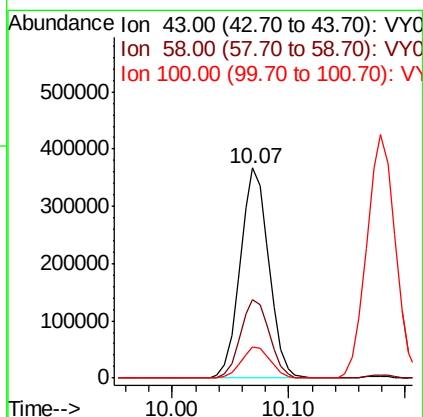
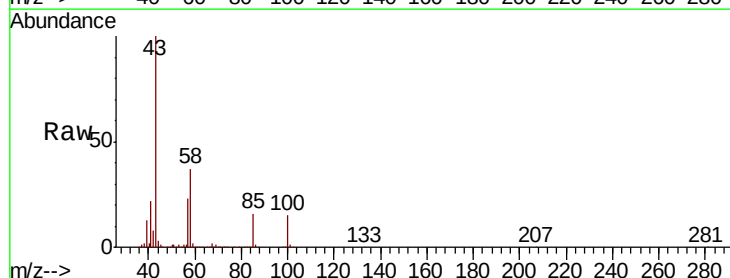
Tot Ion: 75 Resp: 559362
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.5 43.7

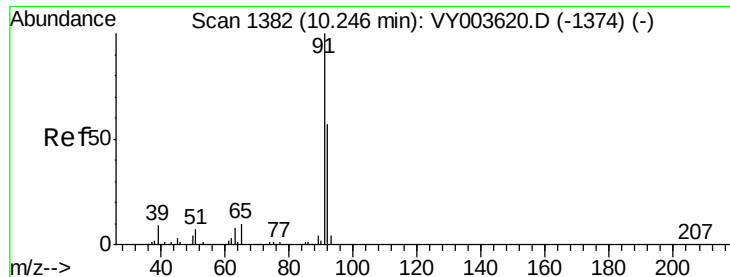


#40

4-Methyl-2-pentanone
 Concen: 197.328 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Tgt Ion: 43 Resp: 626593
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.7 46.1
 100 15.2 12.1 18.1





#42

Toluene

Concen: 95.604 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

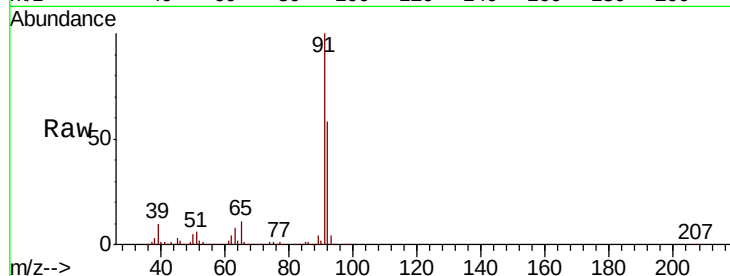
VSTD100401

Tot Ion: 91 Resp: 1444981

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VY003620.D (-1374) (-)

Ion 92.00 (91.70 to 92.70): VY003620.D (-1374) (-)

10.25

800000

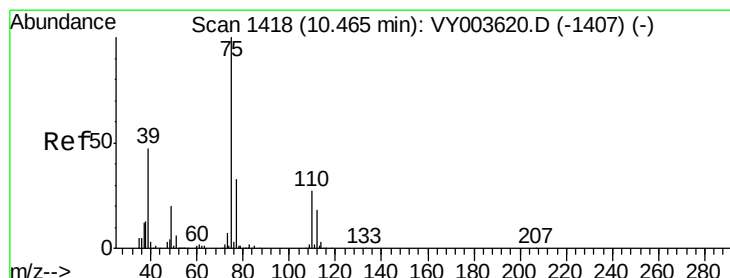
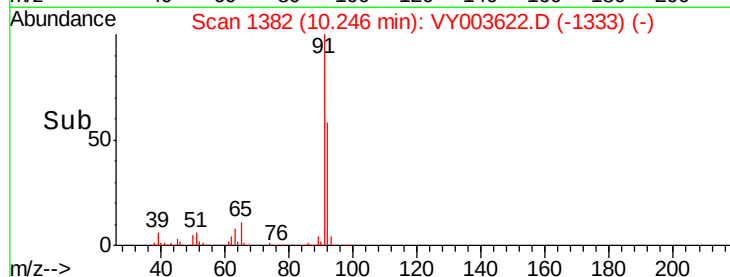
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 98.898 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003622.D

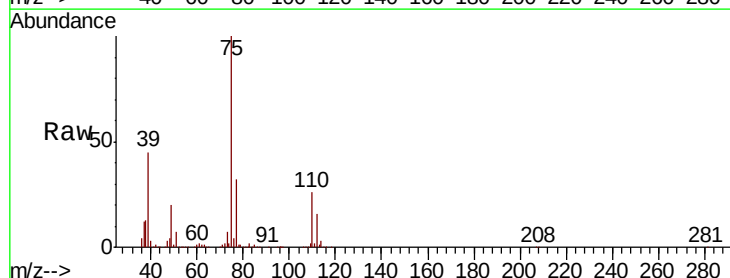
Acq: 25 Nov 2020 13:55

Tgt Ion: 75 Resp: 510677

Ion Ratio Lower Upper

75 100

77 31.6 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VY003620.D (-1407) (-)

Ion 77.00 (76.70 to 77.70): VY003620.D (-1407) (-)

10.47

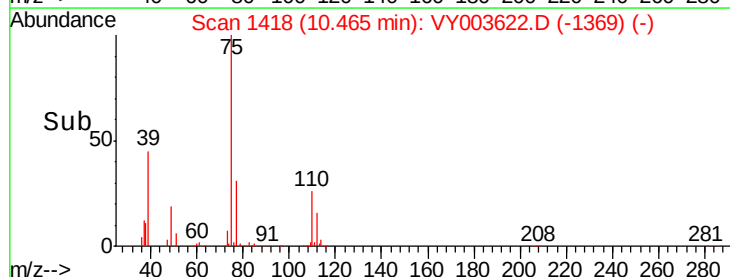
300000

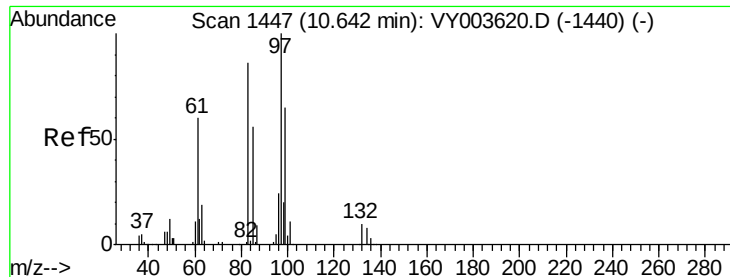
200000

100000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 93.870 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

Tot Ion: 97 Resp: 280744

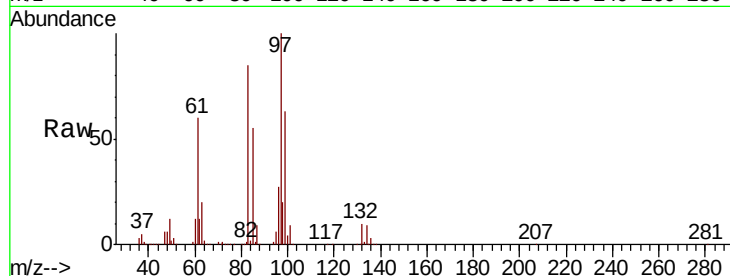
Ion Ratio Lower Upper

97 100

99 62.7 45.1 83.9

83 84.6 59.7 110.9

85 54.8 39.0 72.4

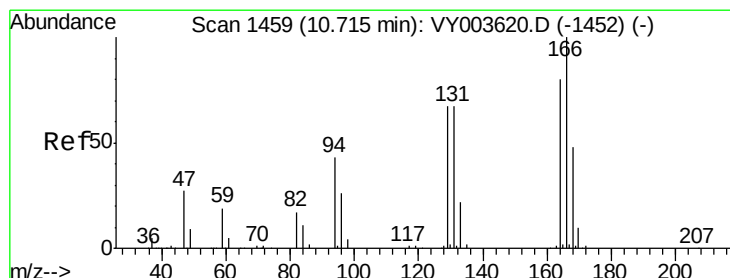
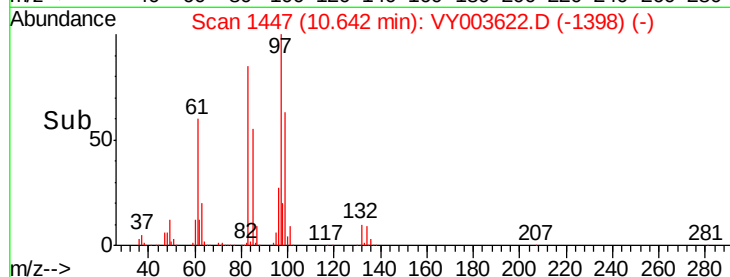
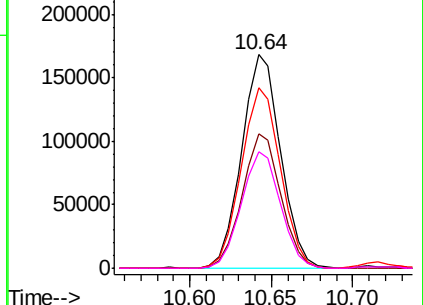


Abundance Ion 97.00 (96.70 to 97.70): VY0

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: 93.591 ug/L

RT: 10.72 min Scan# 1459

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Tgt Ion: 164 Resp: 289657

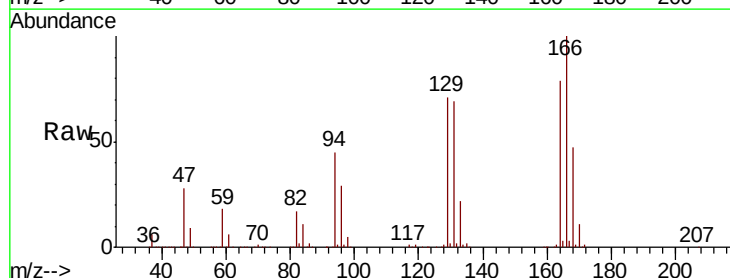
Ion Ratio Lower Upper

164 100

129 90.2 58.9 109.5

131 87.7 59.0 109.6

166 127.2 87.8 163.0

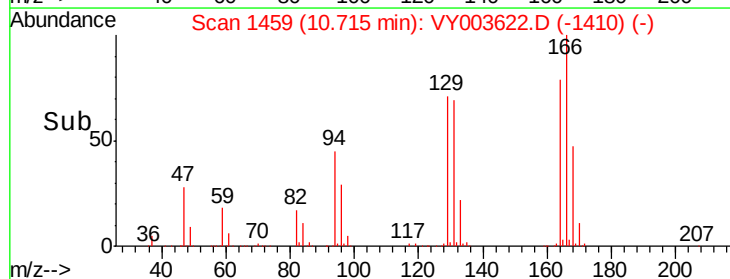
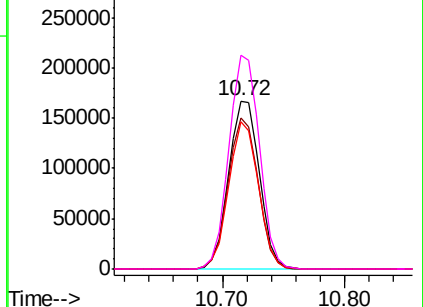


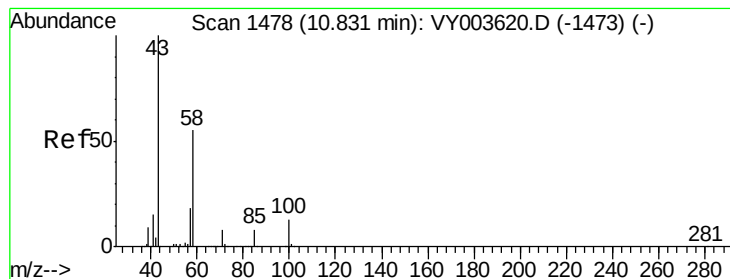
Abundance Ion 164.00 (163.70 to 164.70): V

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: 202.898 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

Tot Ion: 43 Resp: 459632

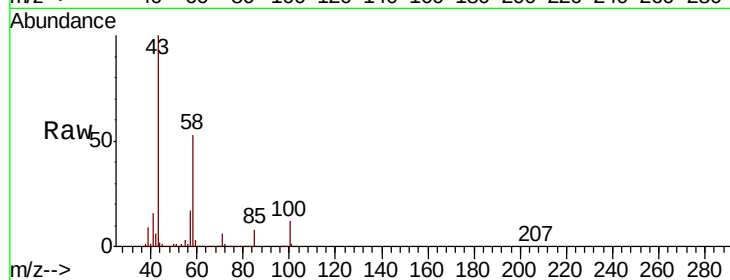
Ion Ratio Lower Upper

43 100

58 53.6 43.0 64.6

57 17.2 14.6 21.8

100 11.9 9.7 14.5

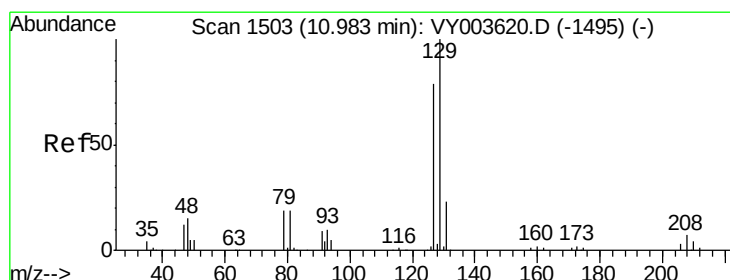
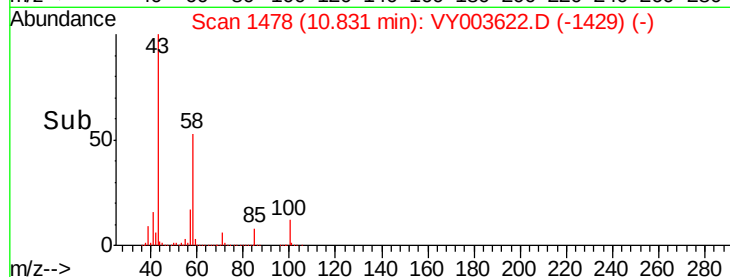
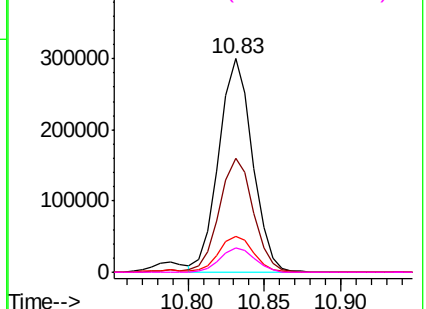


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#49

Dibromochloromethane

Concen: 96.763 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VY003622.D

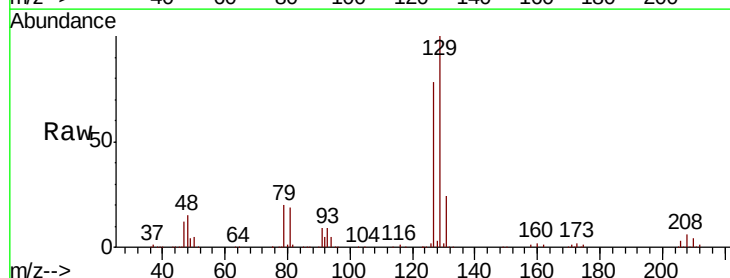
Acq: 25 Nov 2020 13:55

Tgt Ion: 129 Resp: 339870

Ion Ratio Lower Upper

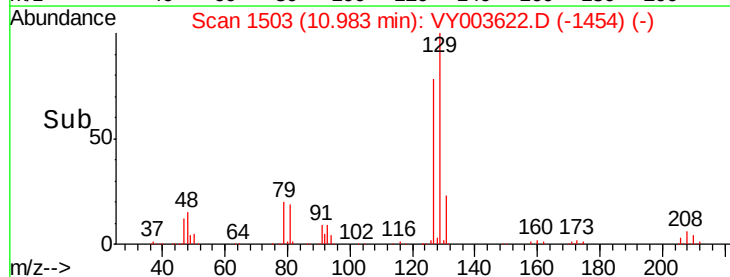
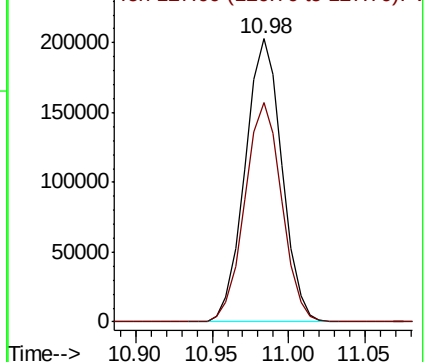
129 100

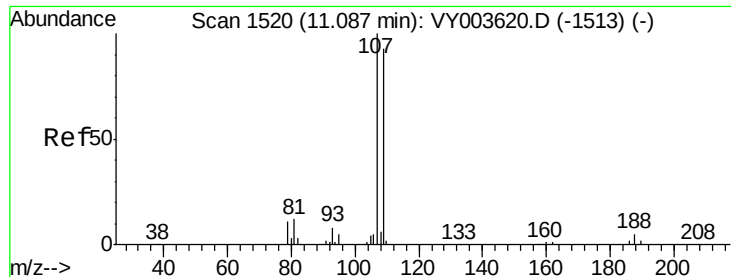
127 77.6 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

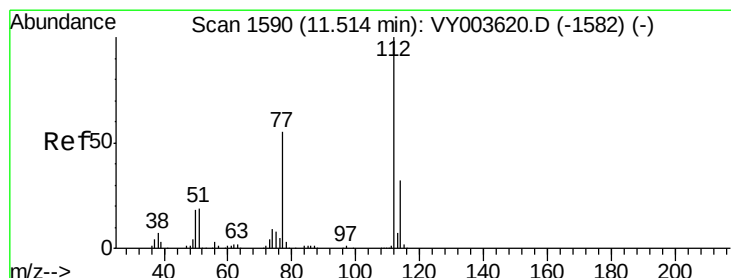
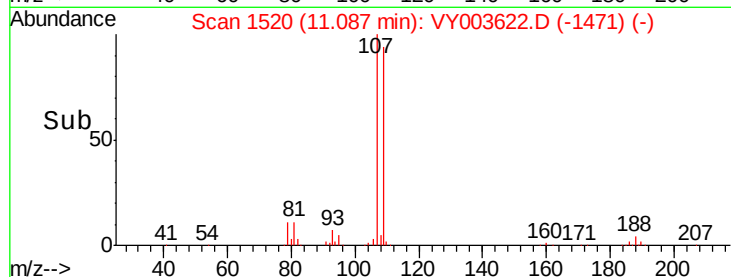
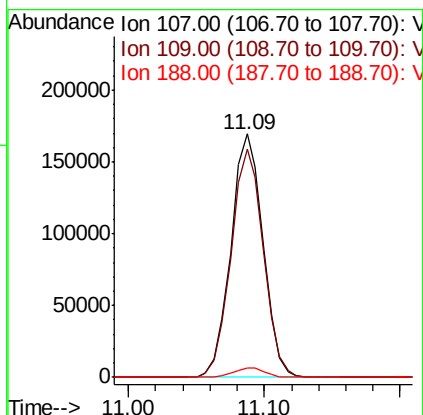
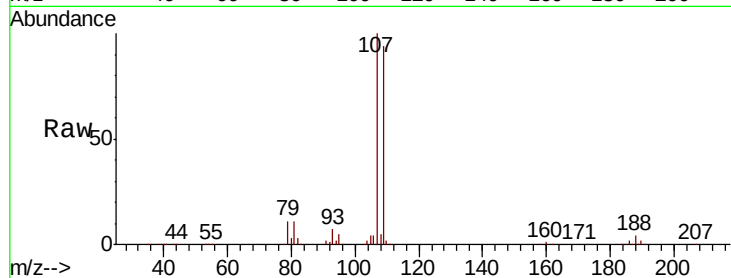




#50
1,2-Dibromoethane
Concen: 96.447 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

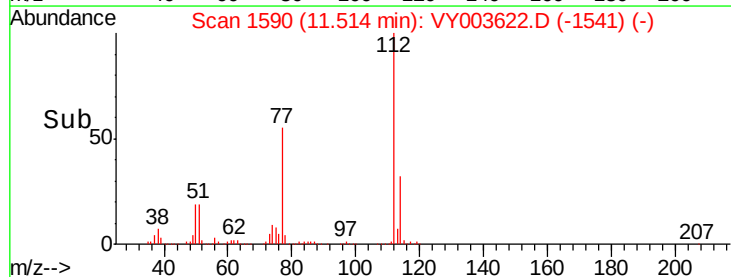
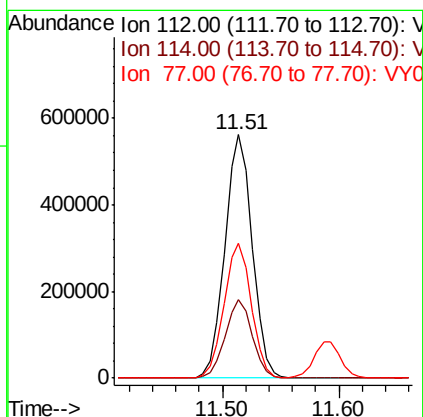
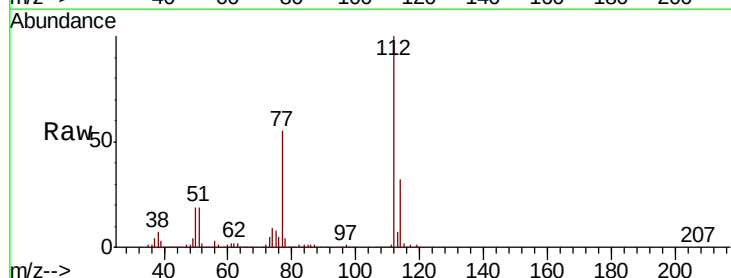
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100401

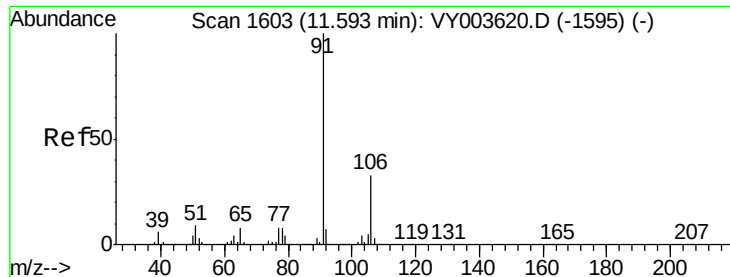
Tot Ion:107 Resp: 277420
Ion Ratio Lower Upper
107 100
109 93.7 65.5 121.7
188 3.9 3.8 5.8



#51
Chlorobenzene
Concen: 94.974 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Tgt Ion:112 Resp: 911703
Ion Ratio Lower Upper
112 100
114 32.1 22.2 41.2
77 55.3 43.8 65.6





#52

Ethylbenzene

Concen: 96.756 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

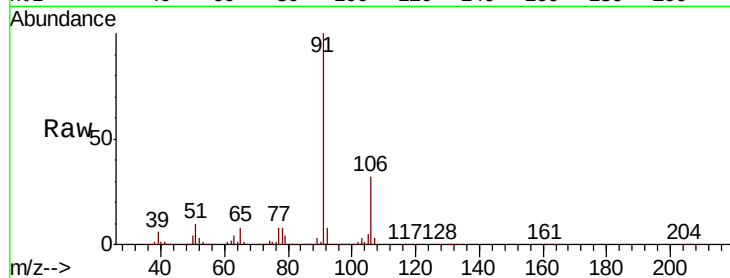
VSTD100401

Tot Ion: 91 Resp: 1570829

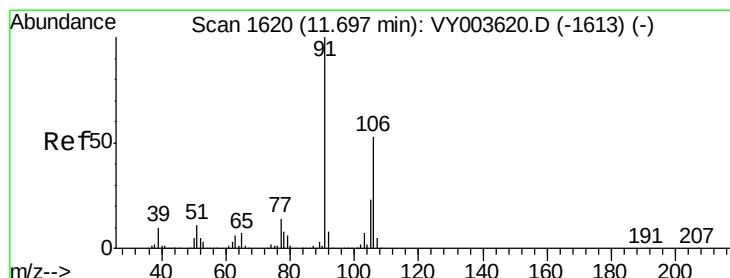
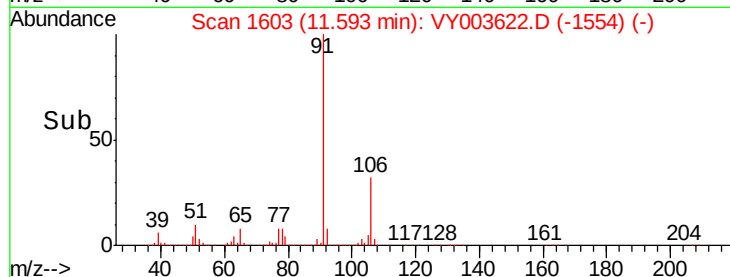
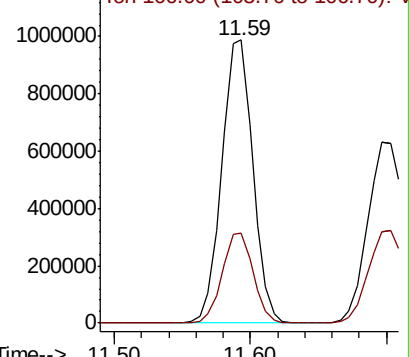
Ion Ratio Lower Upper

91 100

106 32.0 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VY003622.D (-1595) (-)



#53

m,p-Xylene

Concen: 97.092 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003622.D

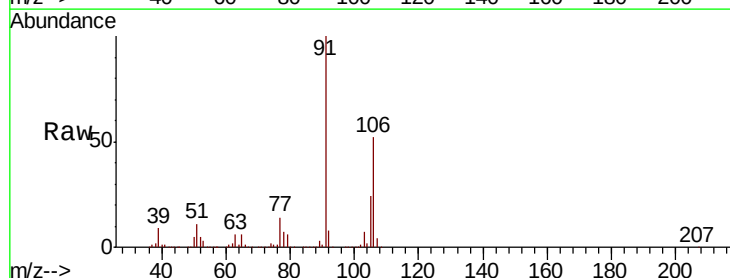
Acq: 25 Nov 2020 13:55

Tgt Ion: 106 Resp: 604018

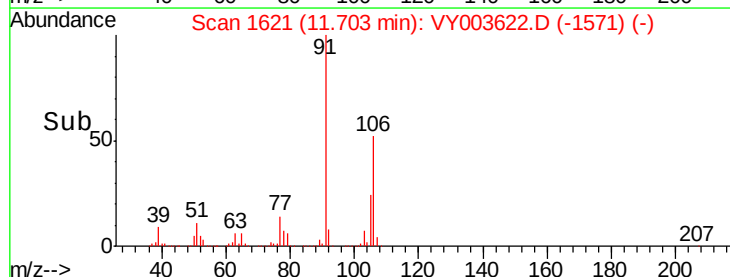
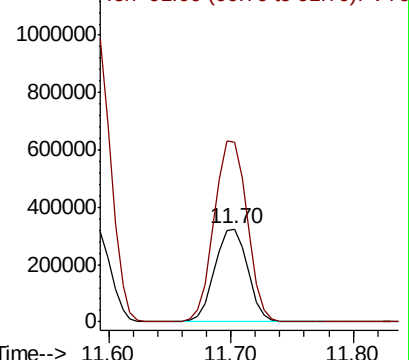
Ion Ratio Lower Upper

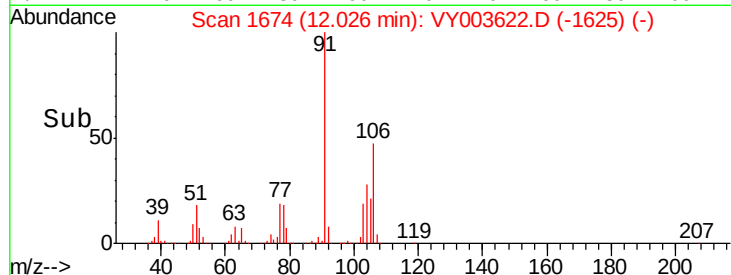
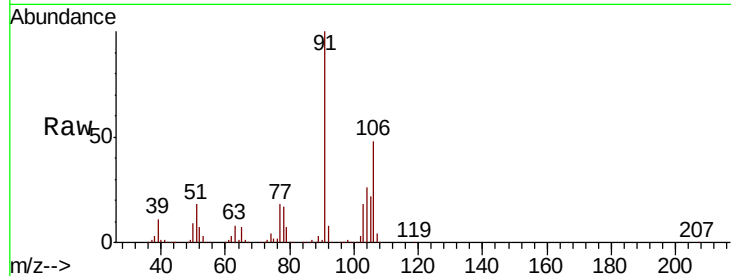
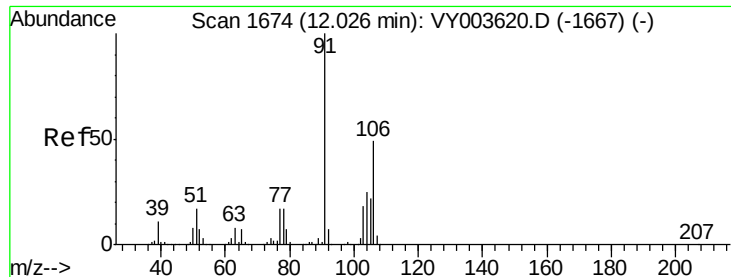
106 100

91 193.6 133.1 247.3



Abundance Ion 106.00 (105.70 to 106.70): VY003622.D (-1613) (-)

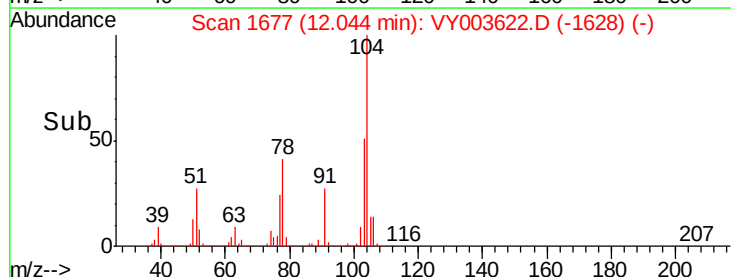
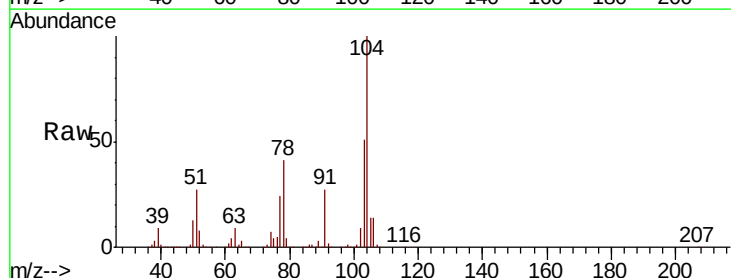
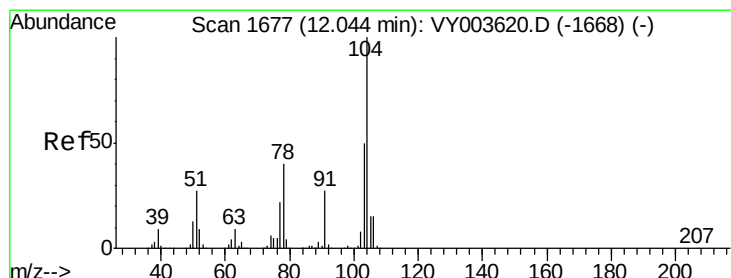
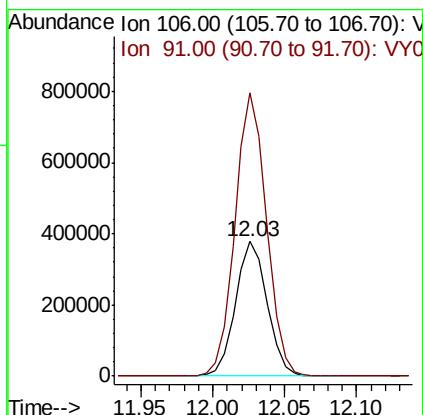




#54
o-Xylene
Concen: 97.404 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

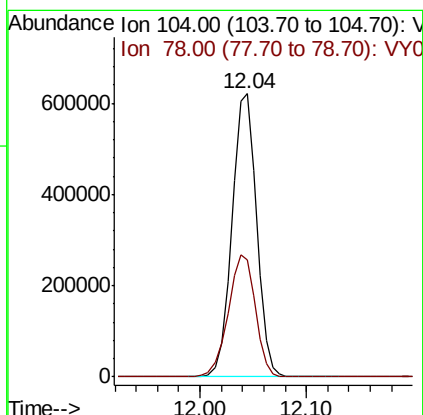
Instrument :
MSVOA_Y
ClientSampled :
VSTD100401

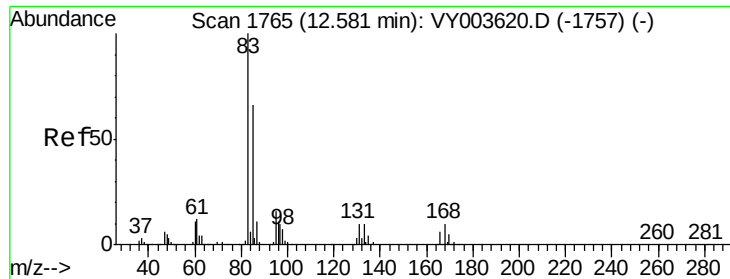
Tot Ion:106 Resp: 576736
Ion Ratio Lower Upper
106 100
91 209.9 144.1 267.5



#55
Styrene
Concen: 99.221 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Tgt Ion:104 Resp: 1007145
Ion Ratio Lower Upper
104 100
78 41.5 27.6 51.4





#57

1,1,2,2-Tetrachloroethane

Concen: 93.976 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

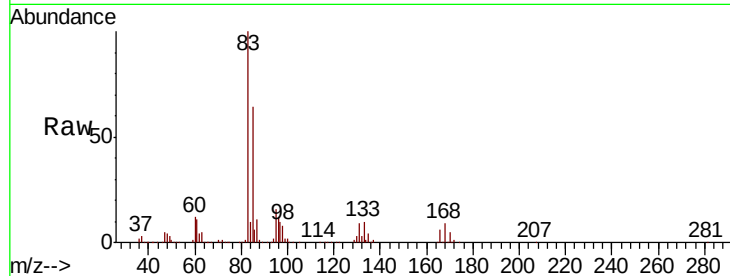
Tot Ion: 83 Resp: 371212

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7

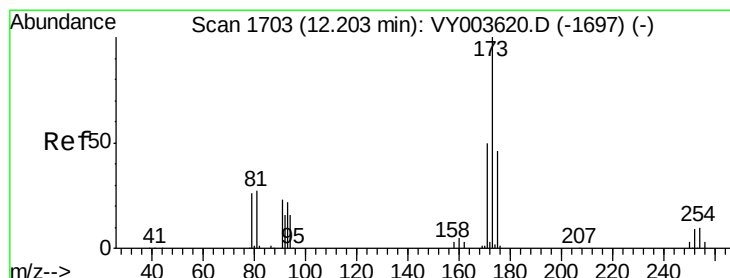
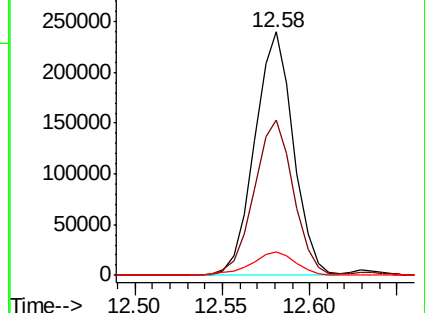
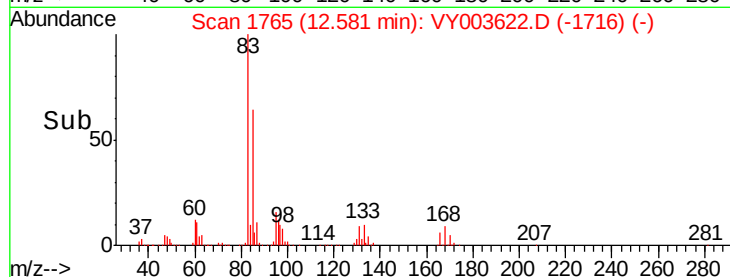
131 9.4 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003622.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003622.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003622.D (-1757) (-)



#59

Bromoform

Concen: 97.739 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

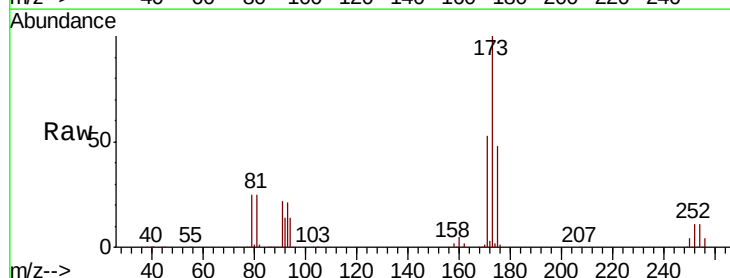
Tgt Ion: 173 Resp: 227563

Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

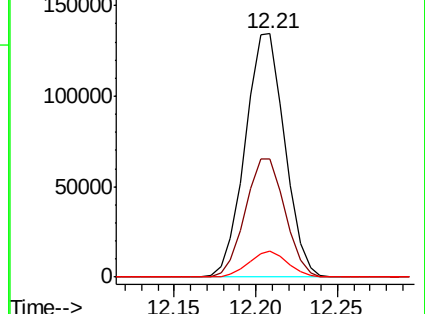
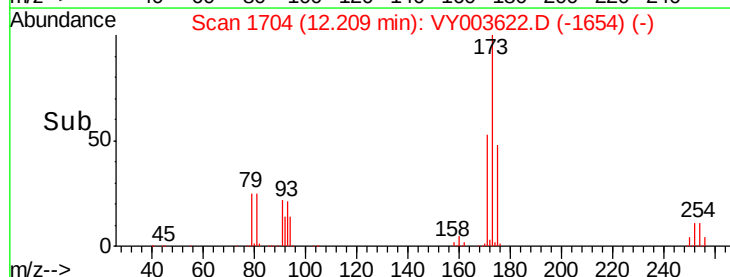
254 10.4 8.0 12.0

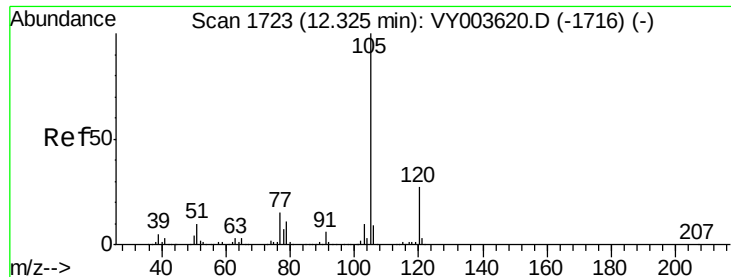


Abundance Ion 173.00 (172.70 to 173.70): VY003622.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003622.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003622.D (-1697) (-)





#60

Isopropylbenzene

Concen: 100.304 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

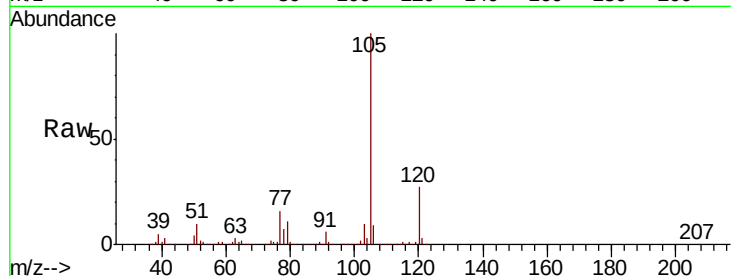
Tot Ion:105 Resp: 1540751

Ion Ratio Lower Upper

105 100

120 27.3 22.0 33.0

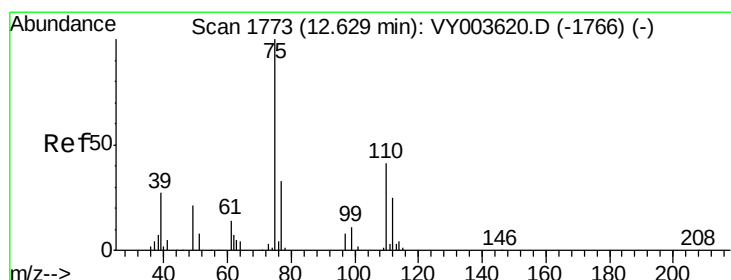
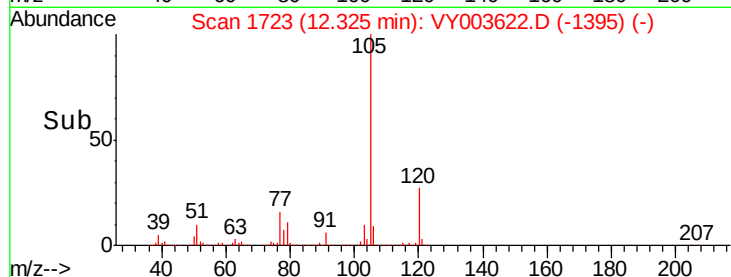
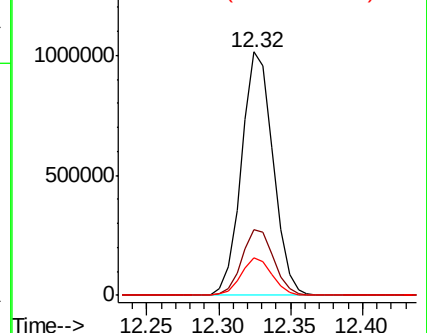
77 15.1 12.1 18.1



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: 94.790 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

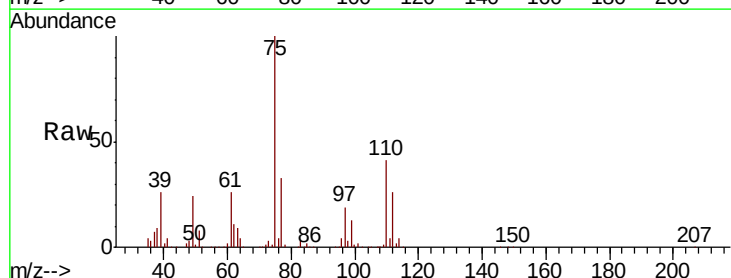
Tgt Ion: 75 Resp: 264852

Ion Ratio Lower Upper

75 100

77 32.0 26.3 39.5

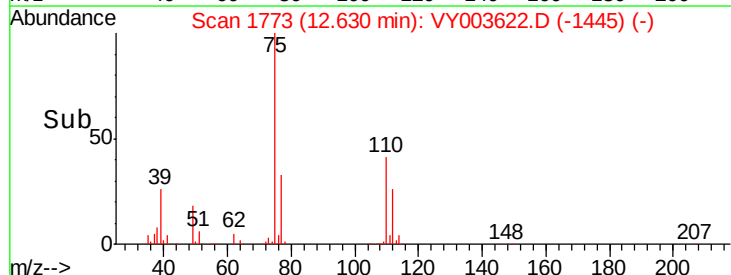
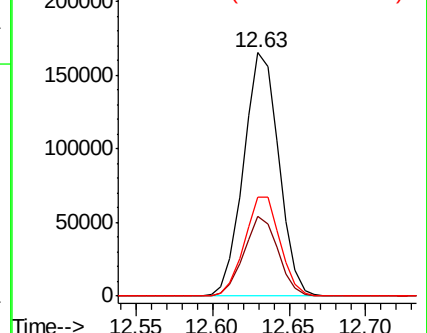
110 41.0 33.0 49.4

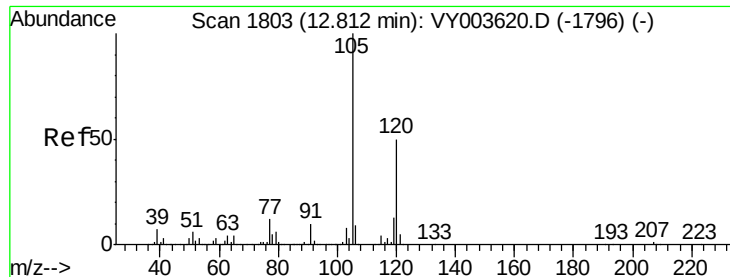


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 100.853 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

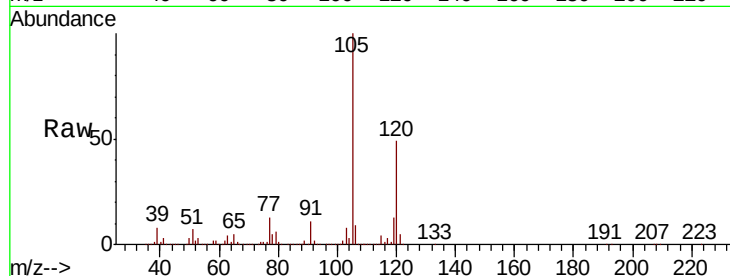
VSTD100401

Tot Ion:105 Resp: 1218734

Ion Ratio Lower Upper

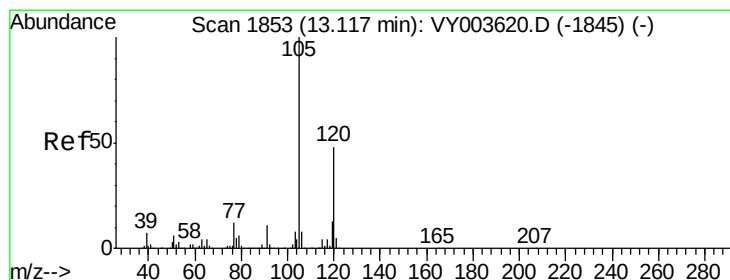
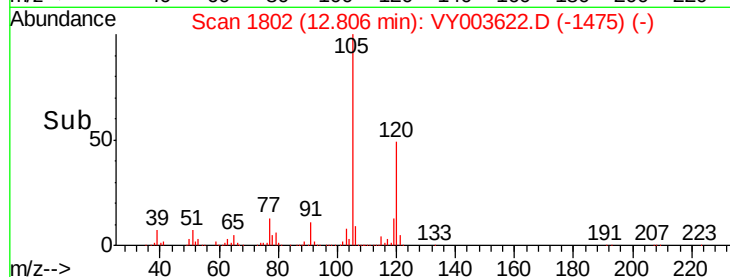
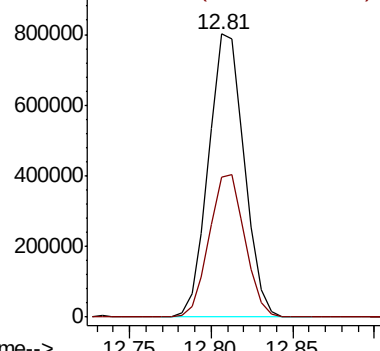
105 100

120 50.5 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: 100.686 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003622.D

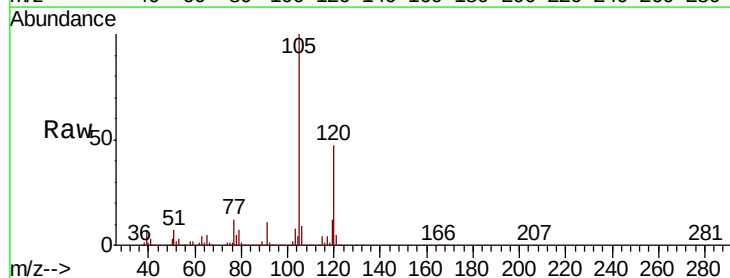
Acq: 25 Nov 2020 13:55

Tgt Ion:105 Resp: 1195448

Ion Ratio Lower Upper

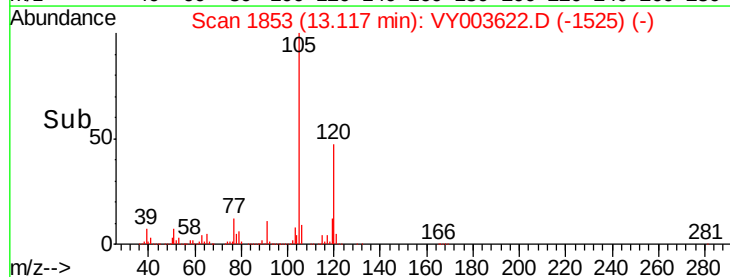
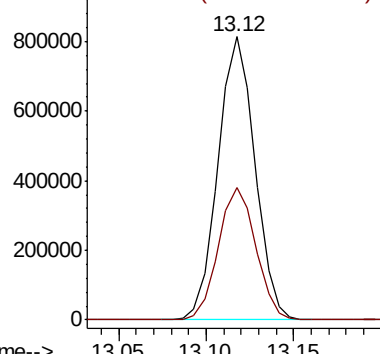
105 100

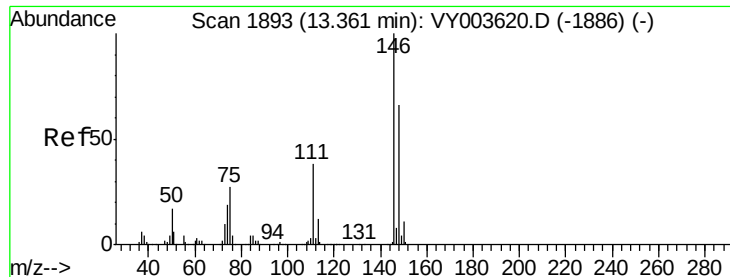
120 47.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 94.220 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100401

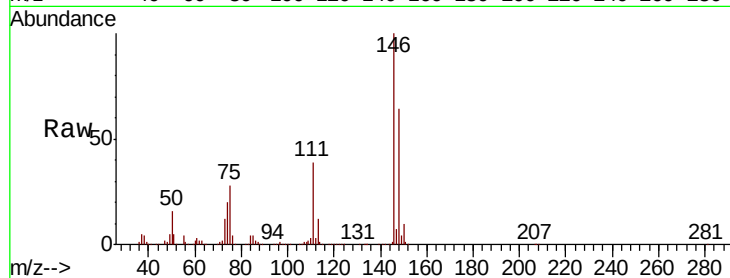
Tot Ion:146 Resp: 687119

Ion Ratio Lower Upper

146 100

111 38.6 26.6 49.4

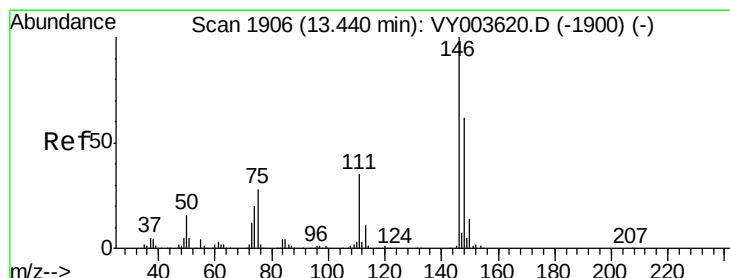
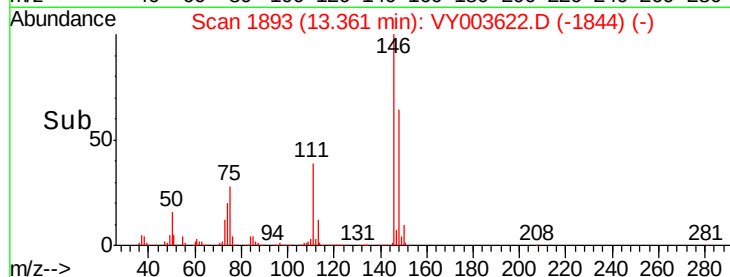
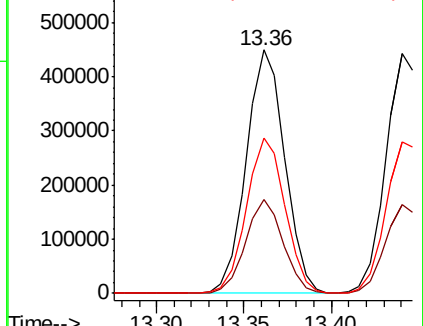
148 64.0 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 91.456 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VY003622.D

Acq: 25 Nov 2020 13:55

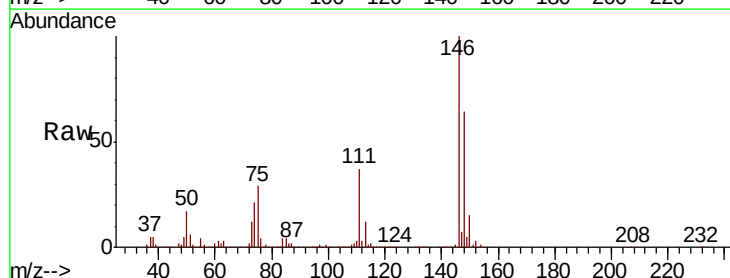
Tgt Ion:146 Resp: 683016

Ion Ratio Lower Upper

146 100

111 37.3 24.7 45.9

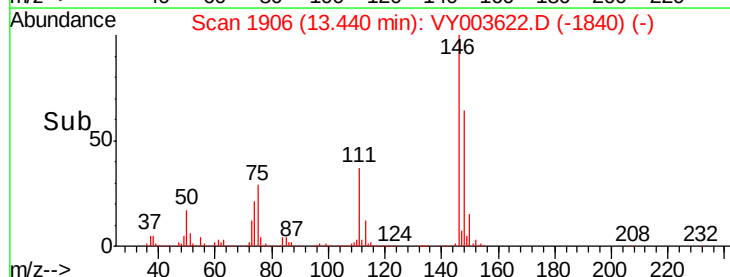
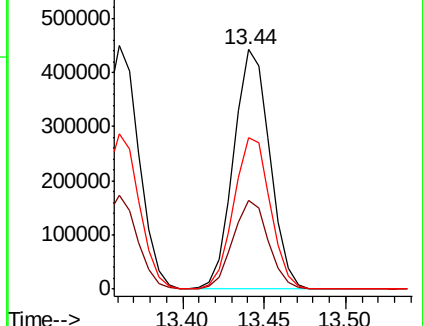
148 63.6 43.4 80.6

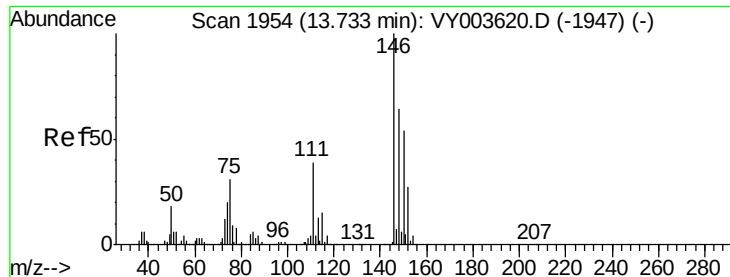


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

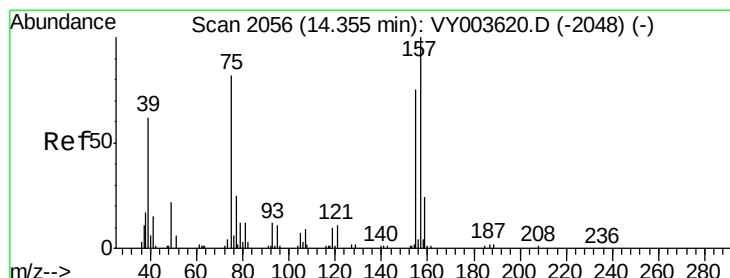
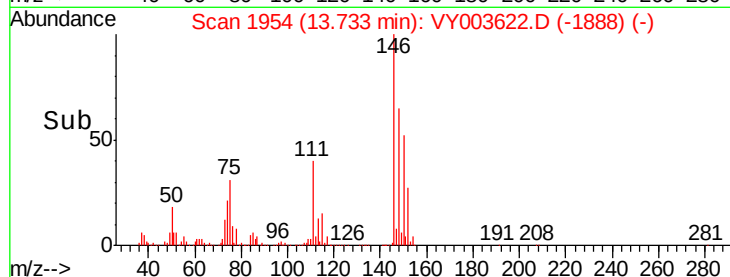
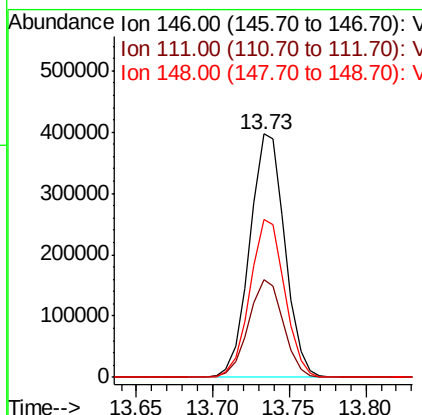
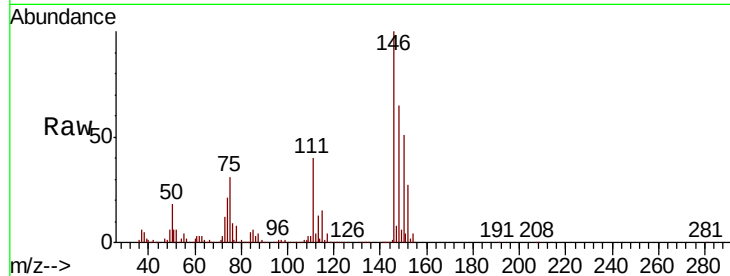




#67
 1,2-Dichlorobenzene
 Concen: 93.522 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

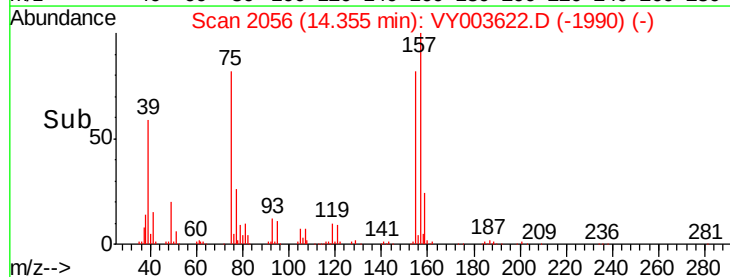
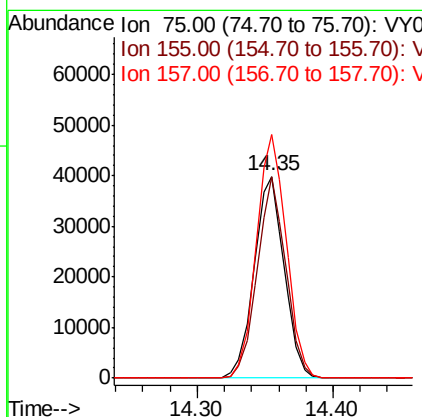
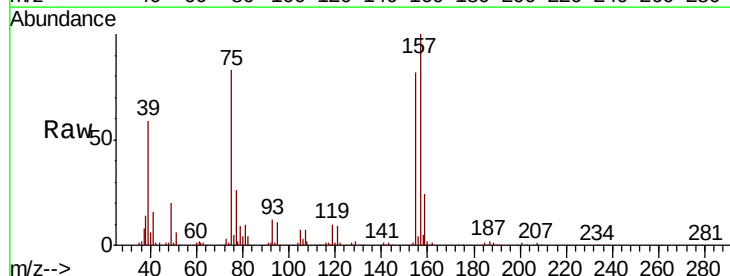
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD100401

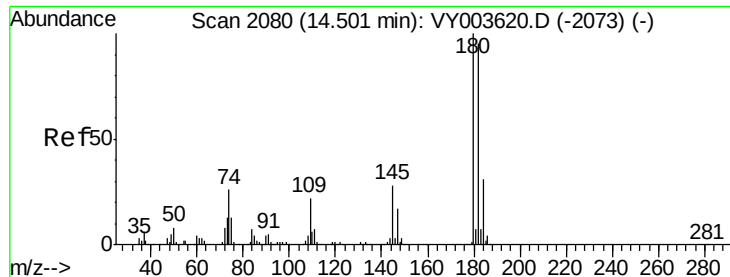
Tot Ion:146 Resp: 632611
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.0 46.6
 148 64.9 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 97.147 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Tgt Ion: 75 Resp: 61670
 Ion Ratio Lower Upper
 75 100
 155 99.5 73.4 110.0
 157 120.7 98.1 147.1

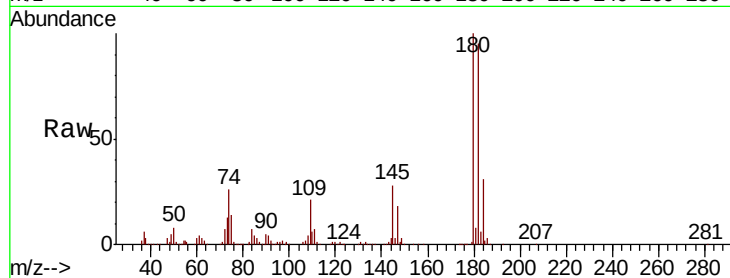




#69
 1,3,5-Trichlorobenzene
 Concen: 93.547 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100401

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.0
184	30.6	24.1	36.1
145	28.2	22.4	33.6



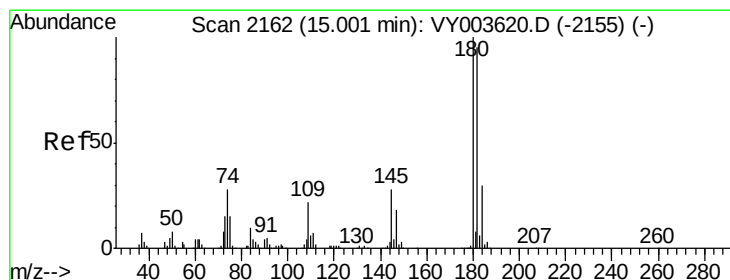
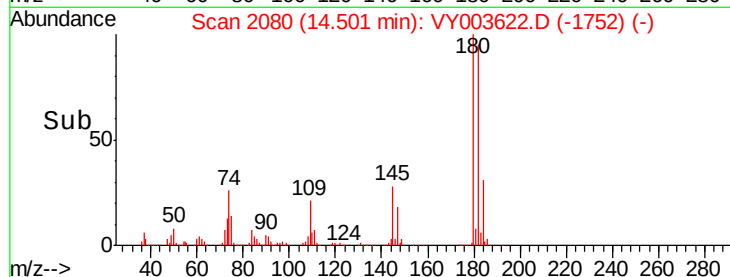
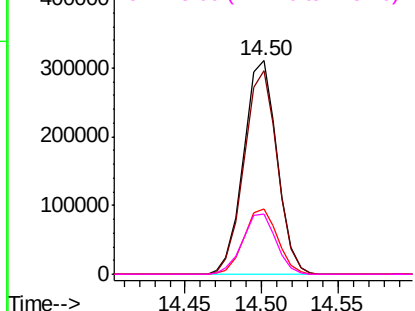
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

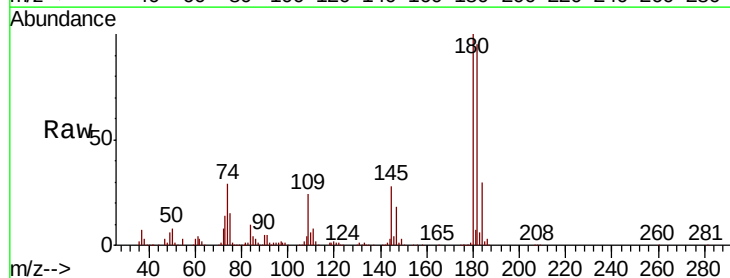
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 95.284 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003622.D
 Acq: 25 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	28.6	22.8	34.2

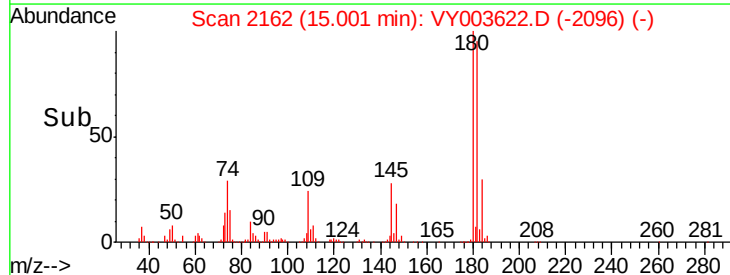
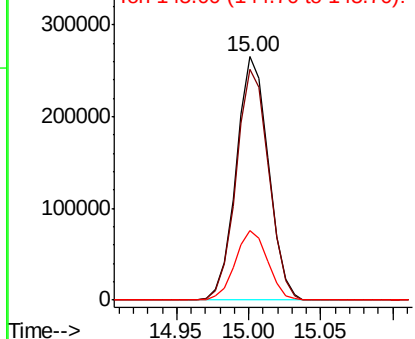


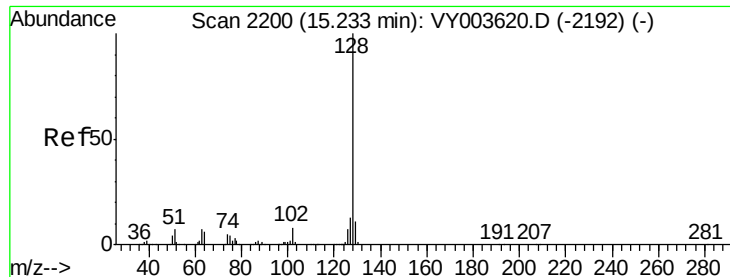
Abundance

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

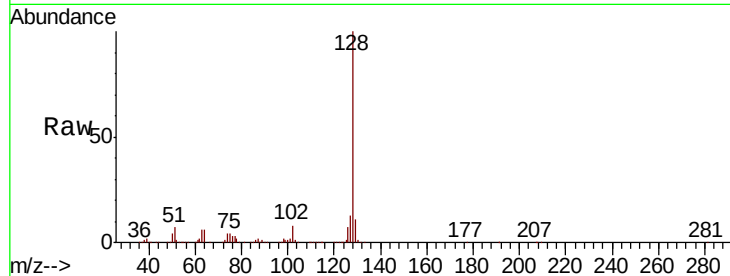




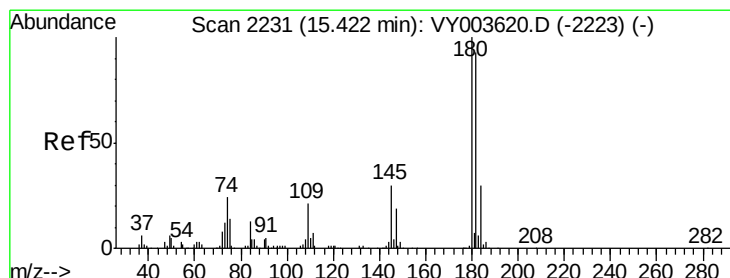
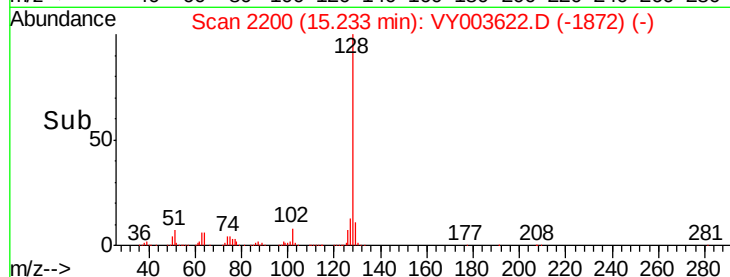
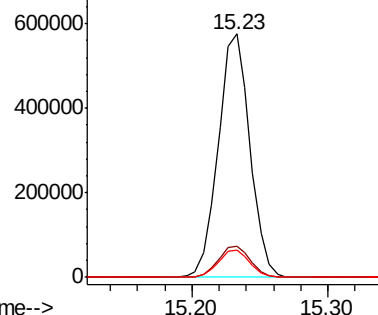
#71
Naphthalene
Concen: 103.816 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTD100401

Tot Ion:128 Resp: 938992
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.5 12.7

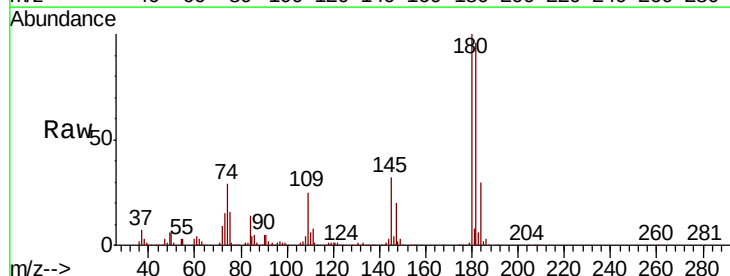


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 95.500 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003622.D
Acq: 25 Nov 2020 13:55

Tgt Ion:180 Resp: 380434
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 30.7 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

