

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
 Data File : VY003632.D
 Acq On : 01 Dec 2020 12:18
 Operator : SY/MD
 Sample : VSTD10033
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

Quant Time: Dec 01 12:28:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 11:48:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	261758	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	245013	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	128186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	289417	77.06	ug/L	0.00
7) Chloroethane-d5	2.76	69	230848	79.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	610845	84.30	ug/L	0.00
21) 2-Butanone-d5	6.90	46	289322	205.21	ug/L	0.00
24) Chloroform-d	7.48	84	593481	86.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	327296	85.16	ug/L	0.00
32) Benzene-d6	8.11	84	1239036	86.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	380751	89.05	ug/L	0.00
41) Toluene-d8	10.18	98	1125643	87.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	186688	90.05	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	239396	224.54	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	404400	94.60	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	412612	89.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	283549	90.663 ug/L	99
3) Chloromethane	2.11	50	302266	84.717 ug/L	100
5) Vinyl chloride	2.25	62	333667	87.526 ug/L	98
6) Bromomethane	2.65	94	211994	83.885 ug/L	100
8) Chloroethane	2.80	64	201285	88.370 ug/L	97
9) Trichlorofluoromethane	3.13	101	505619	87.748 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	329637	91.282 ug/L	98
12) 1,1-Dichloroethene	3.87	96	316408	93.050 ug/L #	81
13) Acetone	3.95	43	191371	166.560 ug/L	95
14) Carbon disulfide	4.20	76	1045727	90.279 ug/L	100
15) Methyl Acetate	4.48	43	241498	97.972 ug/L	98
16) Methylene chloride	4.72	84	349807	67.051 ug/L	99
17) trans-1,2-Dichloroethene	5.23	96	344116	93.322 ug/L	98
18) Methyl tert-butyl Ether	5.23	73	916759	100.884 ug/L	100
19) 1,1-Dichloroethane	6.03	63	590730	92.036 ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	376925	95.611 ug/L	95
22) 2-Butanone	7.00	43	328809	189.326 ug/L	99
23) Bromochloromethane	7.34	128	179959	93.227 ug/L	97
25) Chloroform	7.51	83	588385	91.215 ug/L	98
27) 1,2-Dichloroethane	8.24	62	392989	91.733 ug/L	96
29) Cyclohexane	7.79	56	571469	96.788 ug/L	100
30) 1,1,1-Trichloroethane	7.70	97	526223	90.602 ug/L	99
31) Carbon tetrachloride	7.90	117	473220	89.897 ug/L	99
33) Benzene	8.17	78	1378634	91.594 ug/L	100
34) Trichloroethene	8.94	95	342625	91.516 ug/L	98
35) Methylcyclohexane	9.18	83	614049	94.901 ug/L	99
37) 1,2-Dichloropropane	9.22	63	349655	92.397 ug/L	99
38) Bromodichloromethane	9.50	83	451161	93.489 ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	574089	96.916 ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	683746	204.546 ug/L	99

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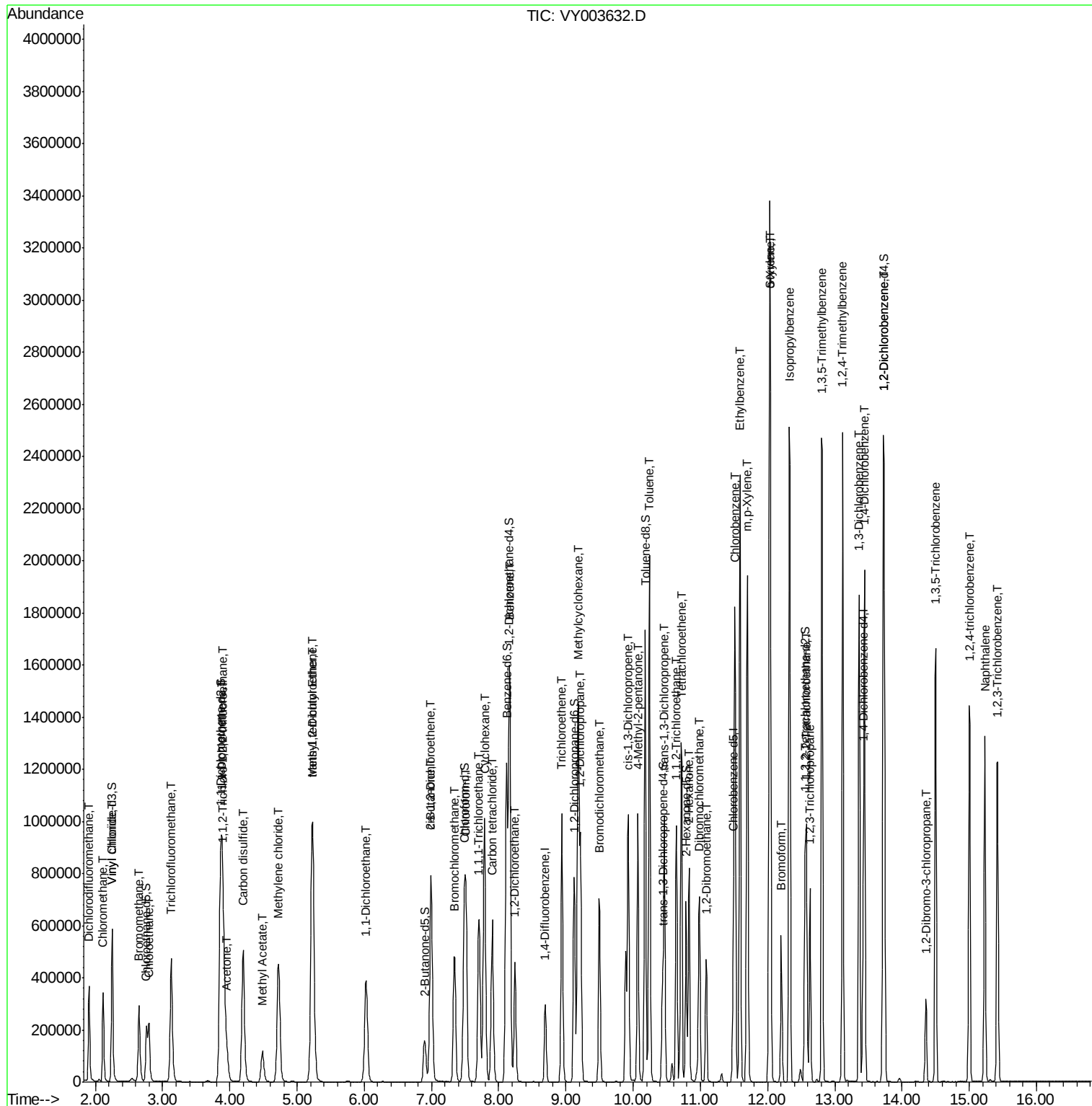
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	1491441	93.737	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	533100	98.072	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	299666	95.180	ug/L	99
46) Tetrachloroethene	10.72	164	295926	90.830	ug/L	97
48) 2-Hexanone	10.83	43	506319	212.317	ug/L	99
49) Dibromochloromethane	10.98	129	359650	97.268	ug/L	99
50) 1,2-Dibromoethane	11.09	107	295371	97.546	ug/L	99
51) Chlorobenzene	11.51	112	951911	94.197	ug/L	99
52) Ethylbenzene	11.59	91	1633781	95.595	ug/L	99
53) m,p-Xylene	11.70	106	634088	96.822	ug/L	98
54) o-Xylene	12.03	106	609244	97.743	ug/L	98
55) Styrene	12.04	104	1056110	98.836	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	411557	98.974	ug/L	97
59) Bromoform	12.20	173	250232	97.982	ug/L	99
60) Isopropylbenzene	12.32	105	1629732	96.726	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	294029	95.937	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	1304534	98.418	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	1281677	98.414	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	744678	93.093	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	742115	90.593	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	691444	93.191	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	69686	100.078	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	511584	92.463	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	452842	95.033	ug/L	100
71) Naphthalene	15.23	128	1076038	108.461	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	418688	95.820	ug/L	99

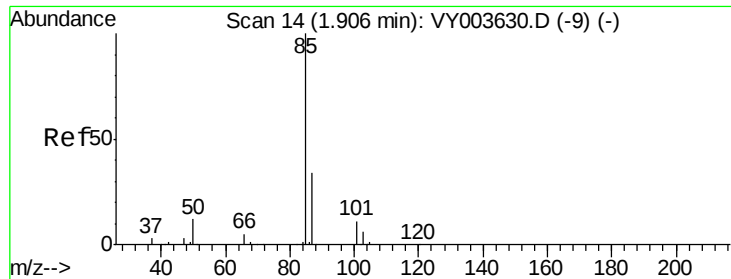
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 90.663 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

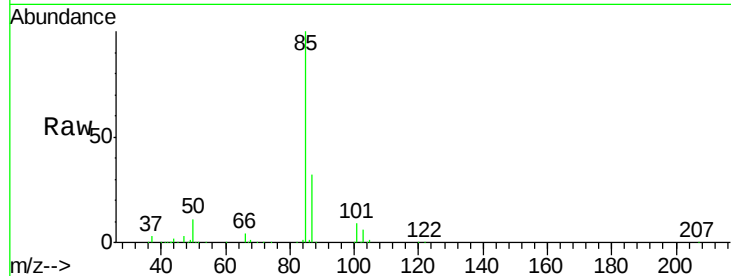
VSTD100402

Tgt Ion: 85 Resp: 283549

Ion Ratio Lower Upper

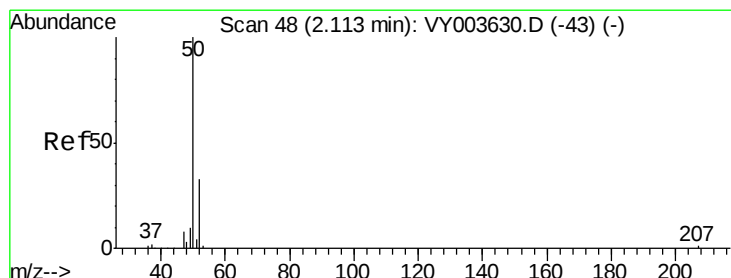
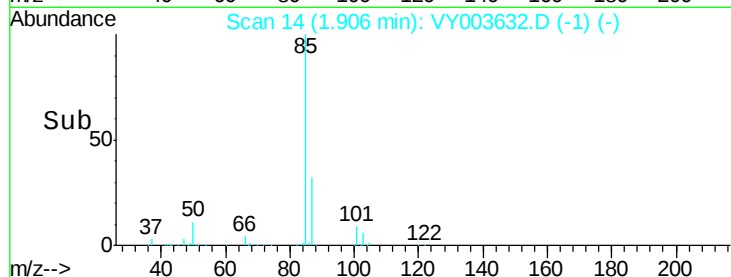
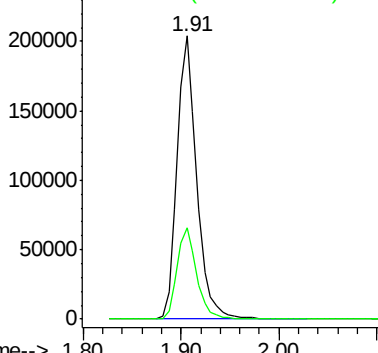
85 100

87 32.4 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: 84.717 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.00 min

Lab File: VY003632.D

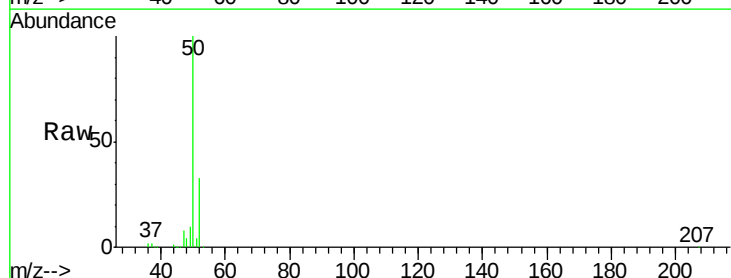
Acq: 01 Dec 2020 12:18

Tgt Ion: 50 Resp: 302266

Ion Ratio Lower Upper

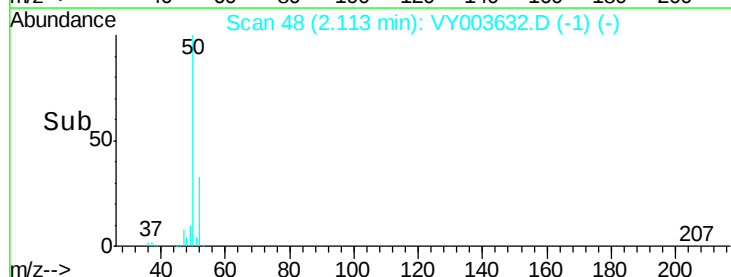
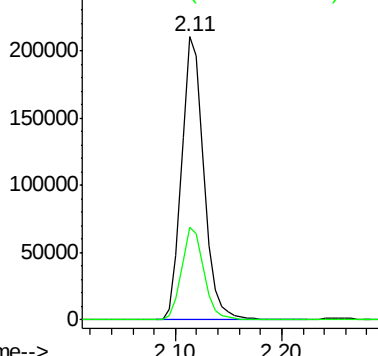
50 100

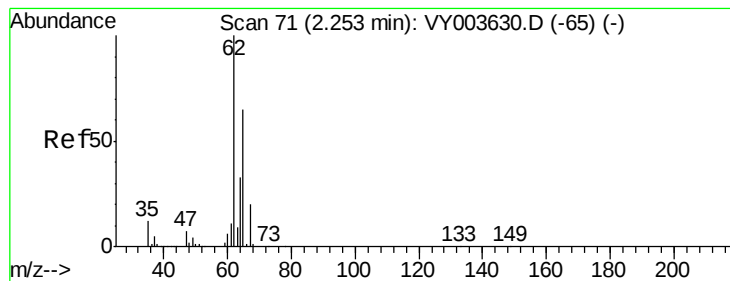
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 87.526 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

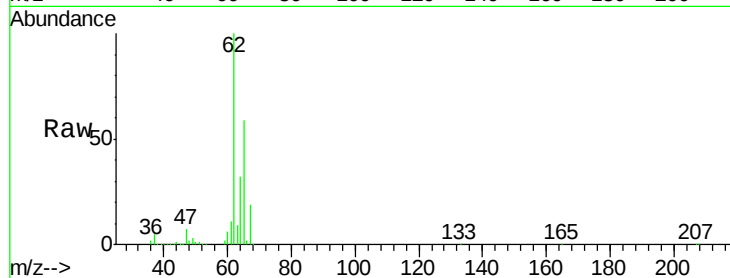
VSTD100402

Tgt Ion: 62 Resp: 333667

Ion Ratio Lower Upper

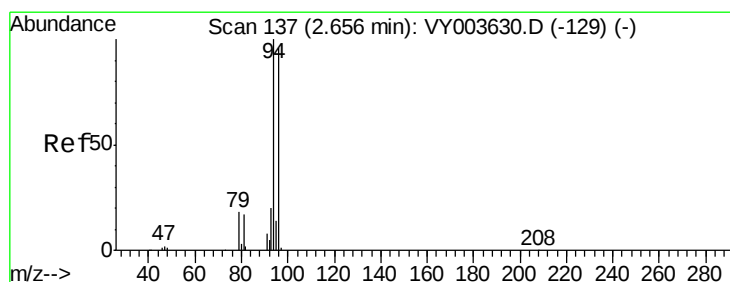
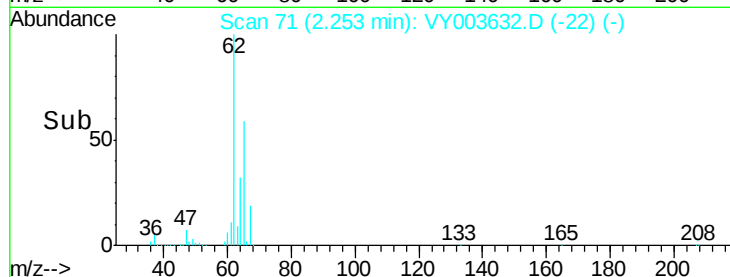
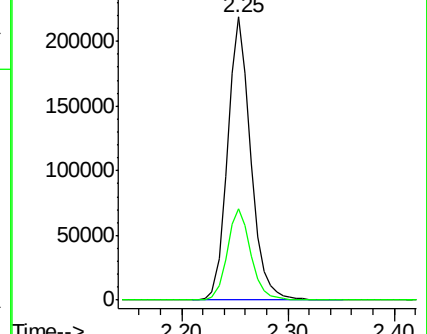
62 100

64 32.4 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: 83.885 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.01 min

Lab File: VY003632.D

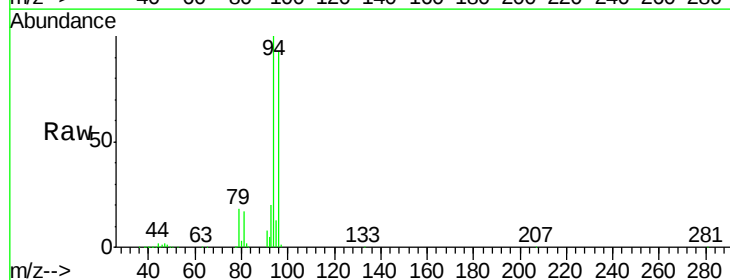
Acq: 01 Dec 2020 12:18

Tgt Ion: 94 Resp: 211994

Ion Ratio Lower Upper

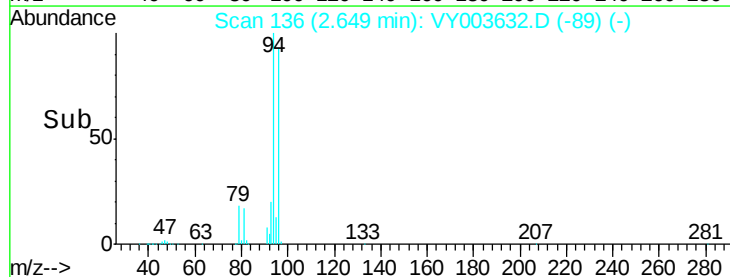
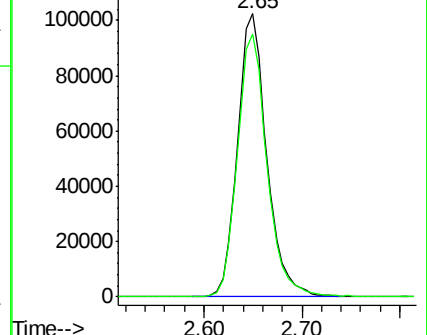
94 100

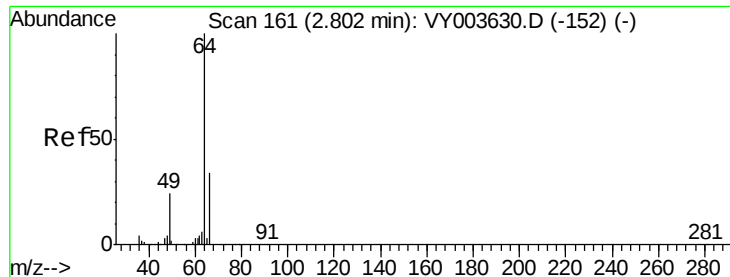
96 93.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 88.370 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

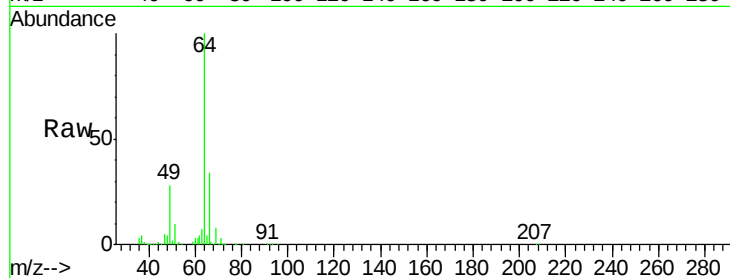
VSTD100402

Tgt Ion: 64 Resp: 201285

Ion Ratio Lower Upper

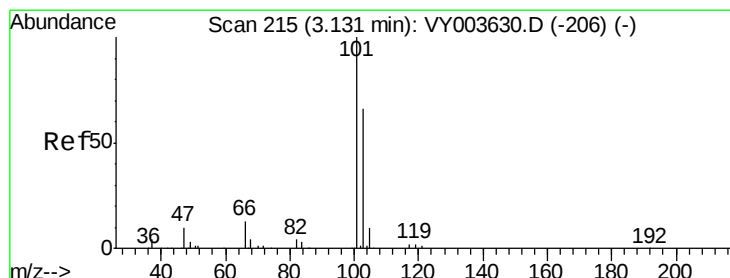
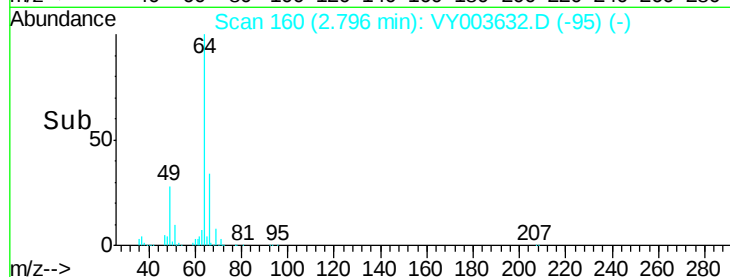
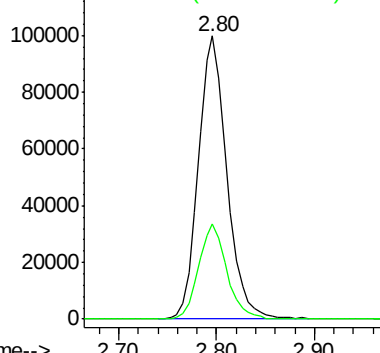
64 100

66 33.6 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 87.748 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003632.D

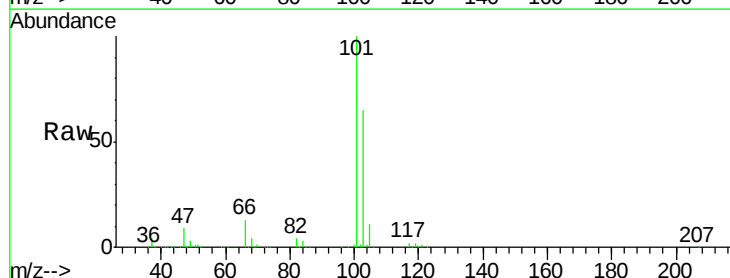
Acq: 01 Dec 2020 12:18

Tgt Ion: 101 Resp: 505619

Ion Ratio Lower Upper

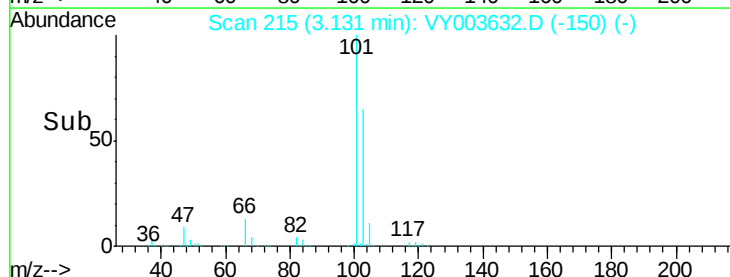
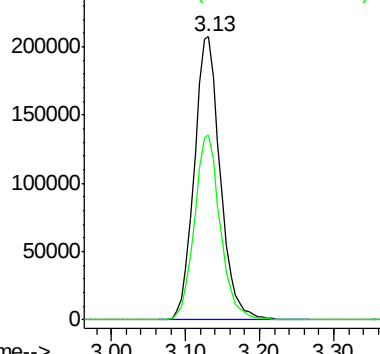
101 100

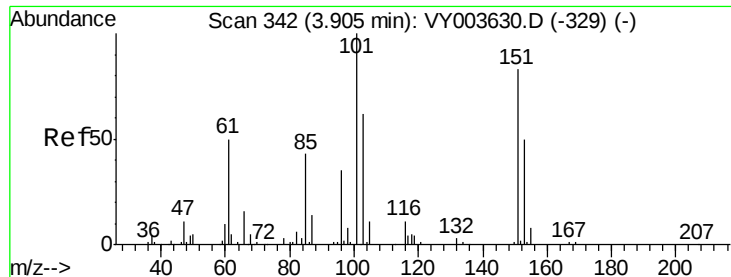
103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 91.282 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100402

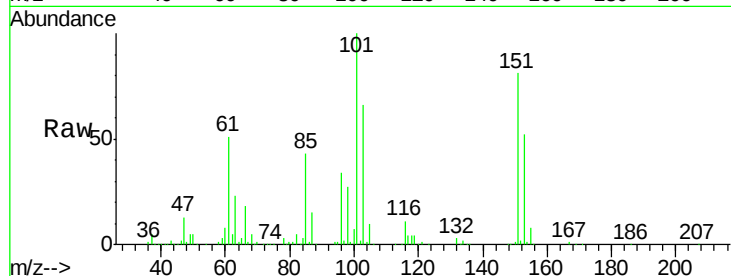
Tgt Ion: 101 Resp: 329637

Ion Ratio Lower Upper

101 100

85 42.8 35.6 53.4

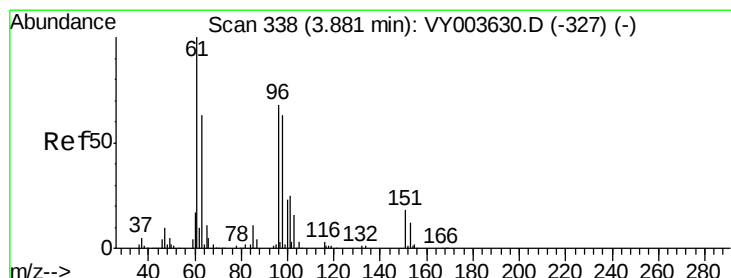
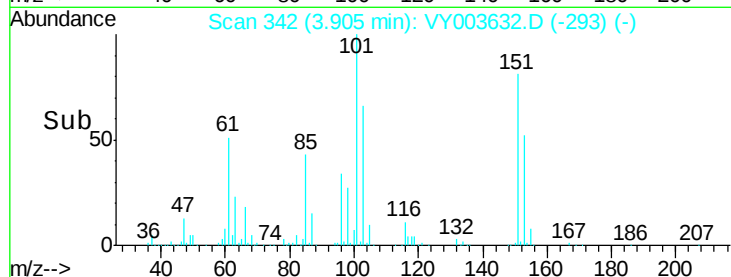
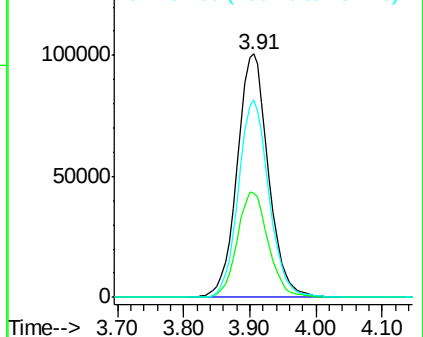
151 79.4 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003632.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003632.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003632.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 93.050 ug/L

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

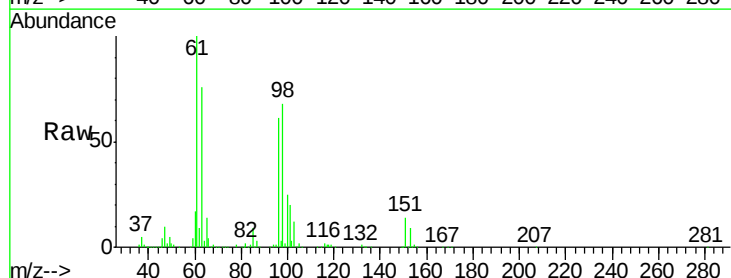
Tgt Ion: 96 Resp: 316408

Ion Ratio Lower Upper

96 100

61 163.4 106.1 197.1

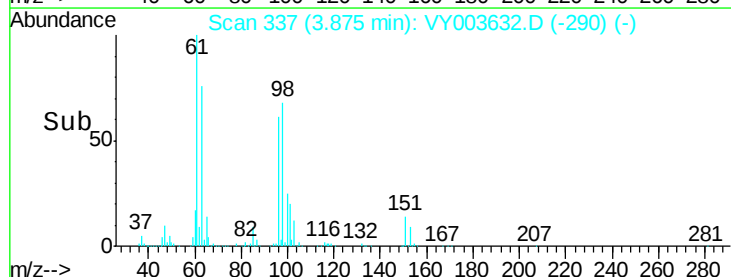
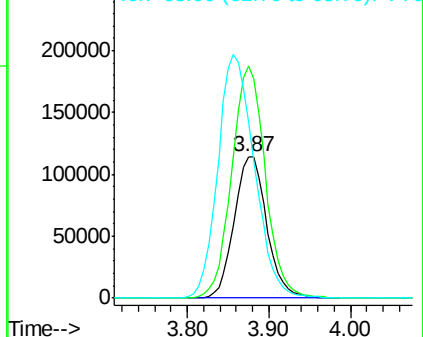
63 123.9 62.9 116.9#

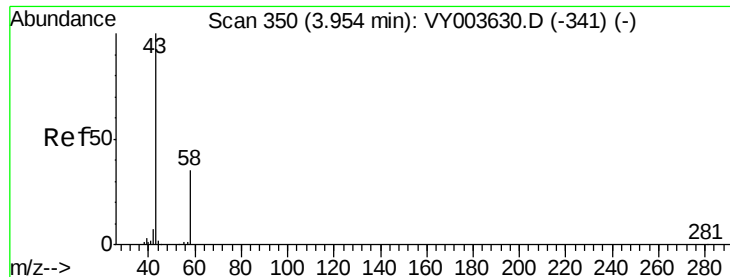


Abundance Ion 96.00 (95.70 to 96.70): VY003632.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003632.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003632.D (-290) (-)





#13

Acetone

Concen: 166.560 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.02 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

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MSVOA_Y

ClientSampleId :

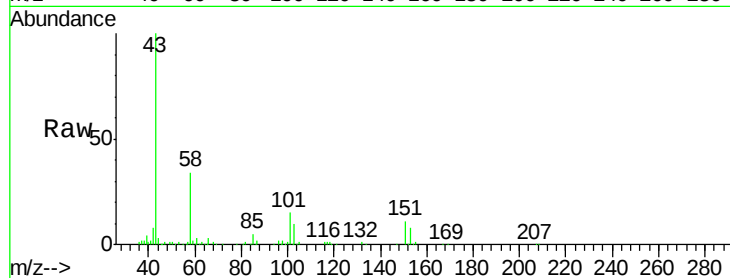
VSTD100402

Tgt Ion: 43 Resp: 191371

Ion Ratio Lower Upper

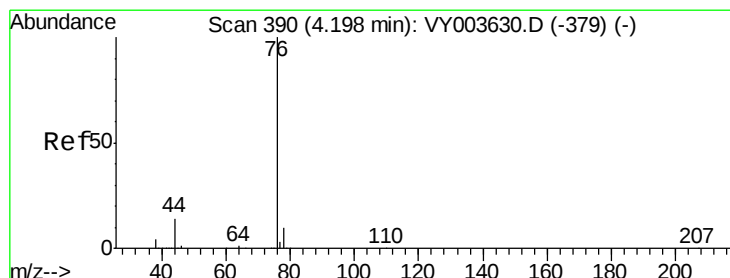
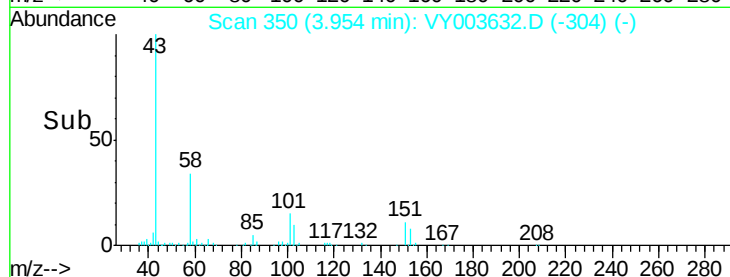
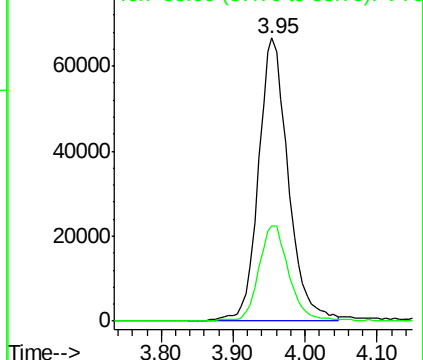
43 100

58 33.7 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: 90.279 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003632.D

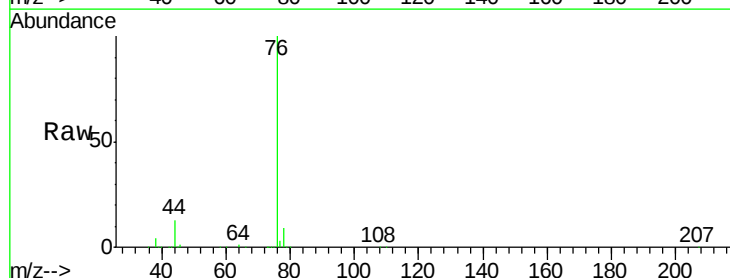
Acq: 01 Dec 2020 12:18

Tgt Ion: 76 Resp: 1045727

Ion Ratio Lower Upper

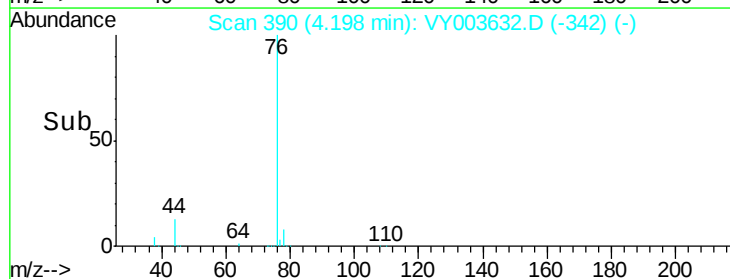
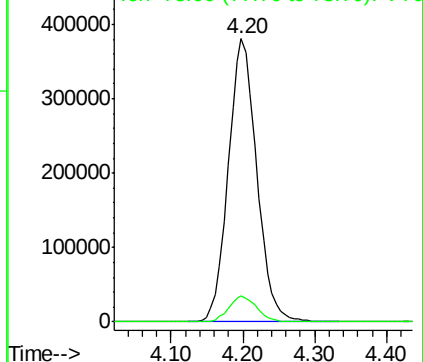
76 100

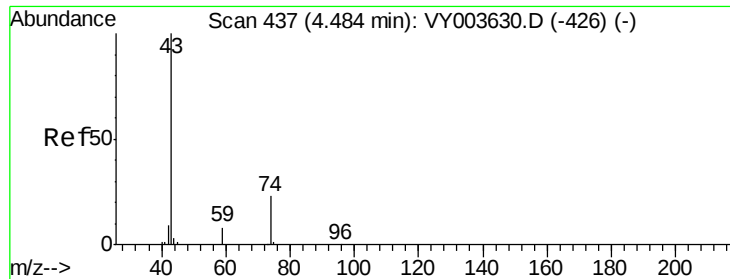
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

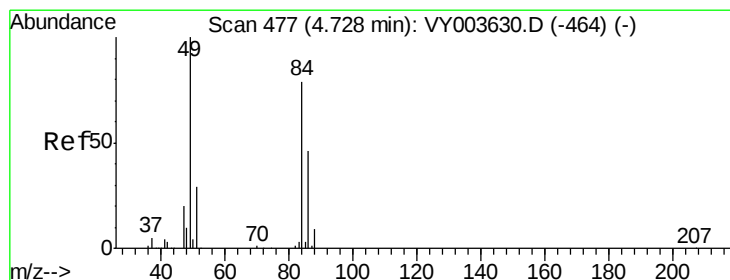
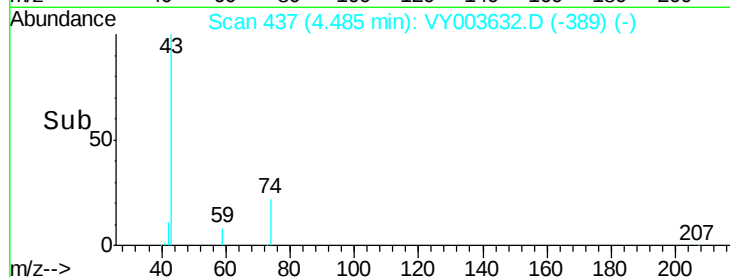
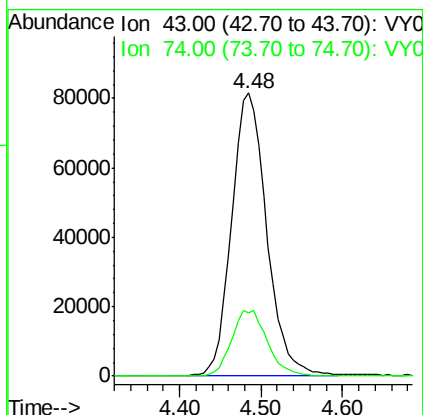
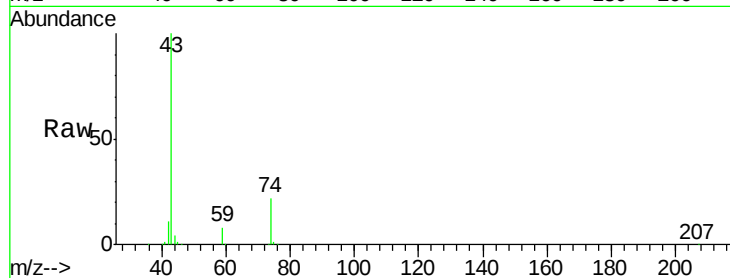




#15
Methyl Acetate
Concen: 97.972 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

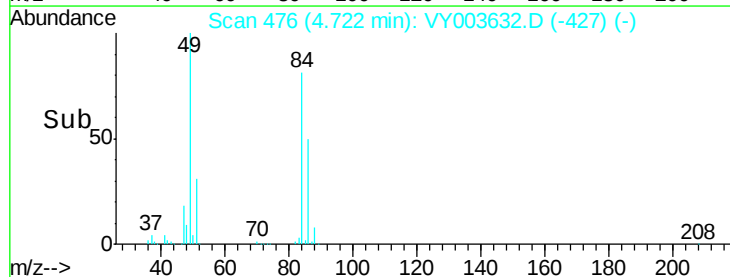
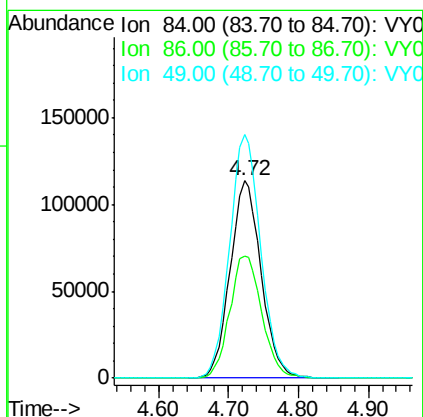
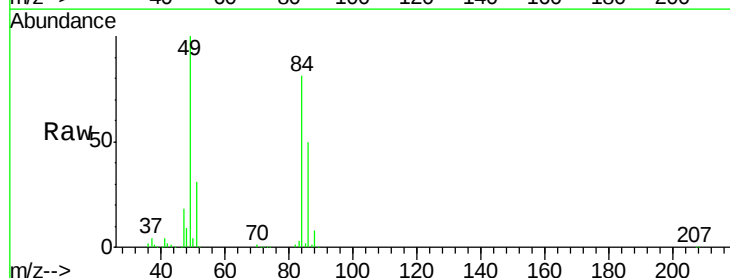
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

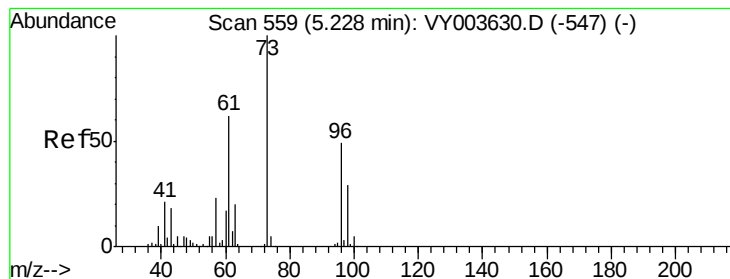
Tgt Ion: 43 Resp: 241498
Ion Ratio Lower Upper
43 100
74 23.6 18.2 27.2



#16
Methylene chloride
Concen: 67.051 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion: 84 Resp: 349807
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 123.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 93.322 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100402

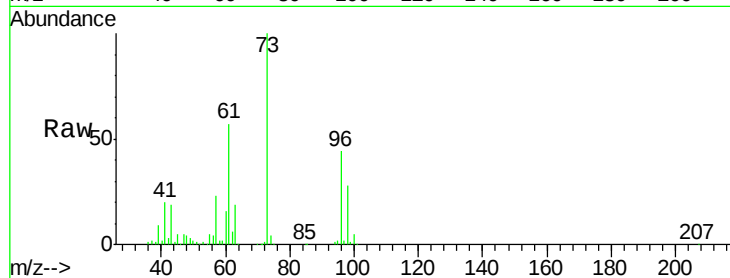
Tgt Ion: 96 Resp: 344116

Ion Ratio Lower Upper

96 100

61 129.7 89.5 166.1

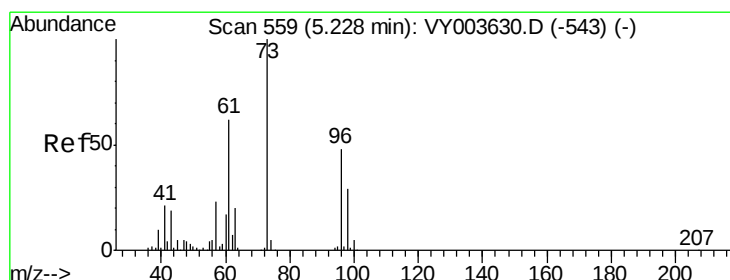
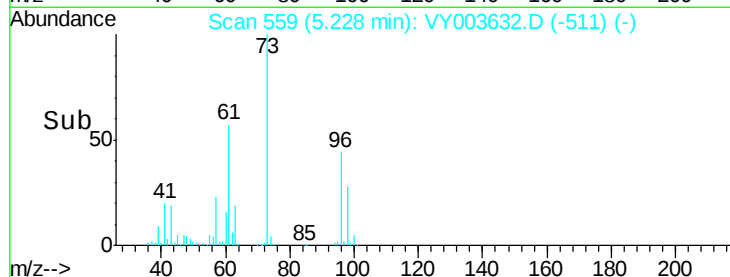
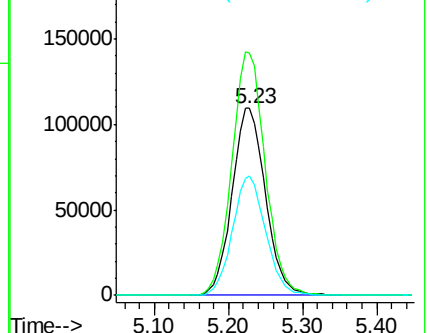
98 63.8 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VY003632.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VY003632.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VY003632.D (-511) (-)



#18

Methyl tert-butyl Ether

Concen: 100.884 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

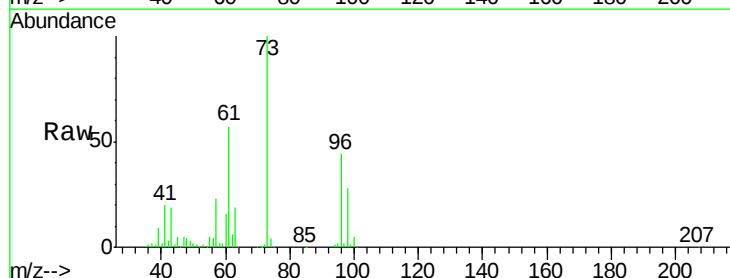
Tgt Ion: 73 Resp: 916759

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

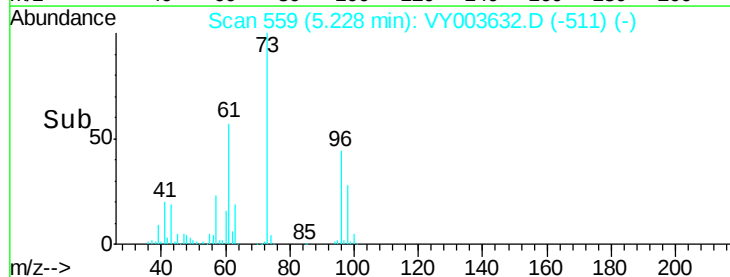
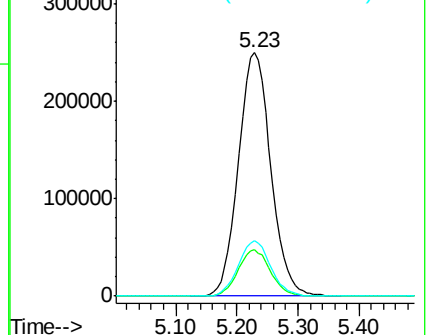
57 22.5 18.1 27.1

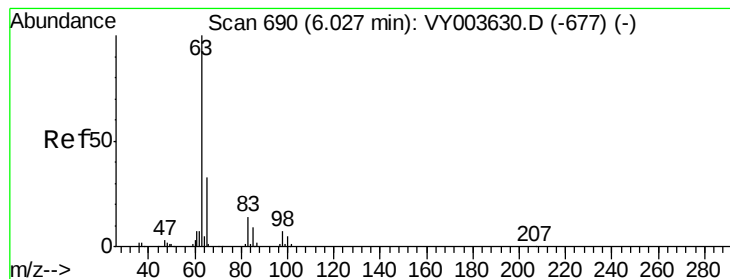


Abundance Ion 73.00 (72.70 to 73.70): VY003632.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VY003632.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VY003632.D (-511) (-)





#19

1,1-Dichloroethane

Concen: 92.036 ug/L

RT: 6.03 min Scan# 690

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100402

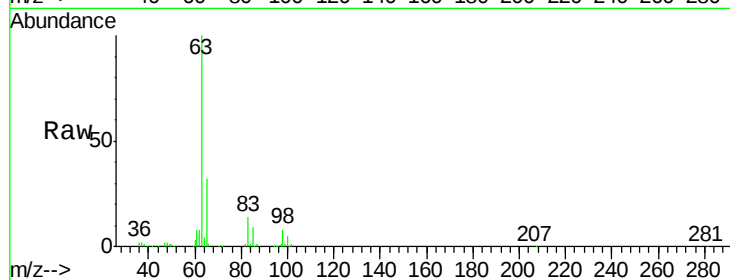
Tgt Ion: 63 Resp: 590730

Ion Ratio Lower Upper

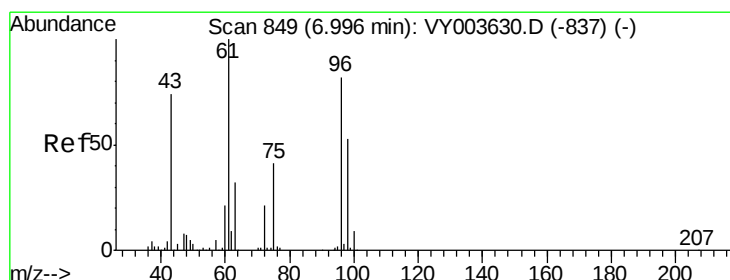
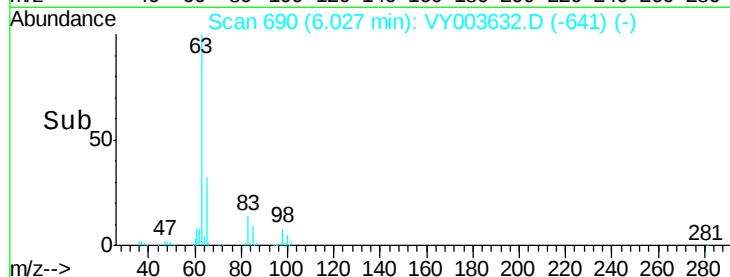
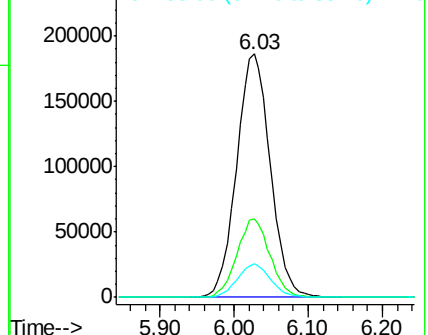
63 100

65 32.2 21.9 40.7

83 13.8 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: 95.611 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

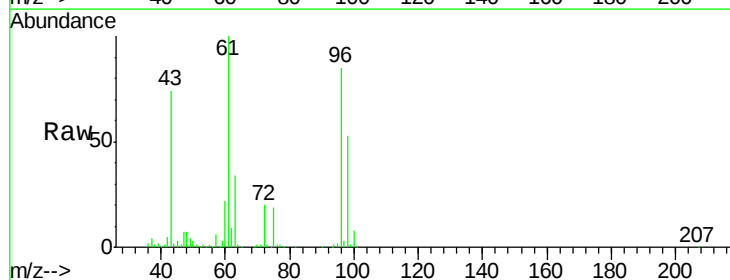
Tgt Ion: 96 Resp: 376925

Ion Ratio Lower Upper

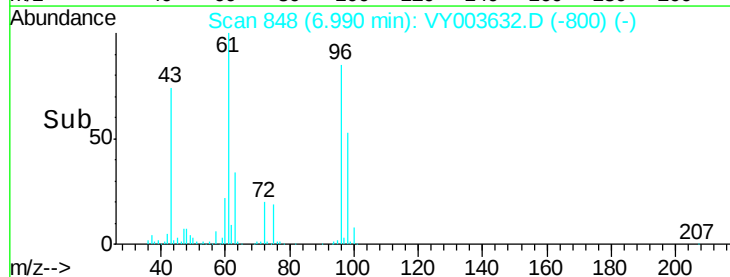
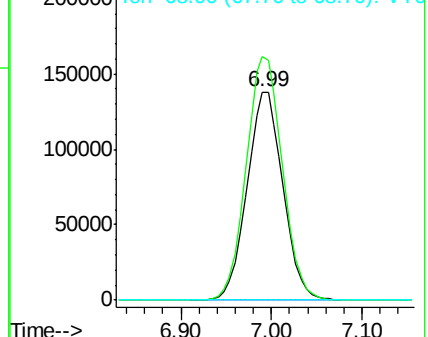
96 100

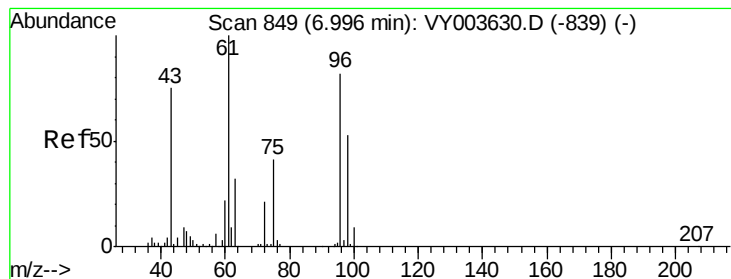
61 117.0 85.8 159.4

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: 189.326 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

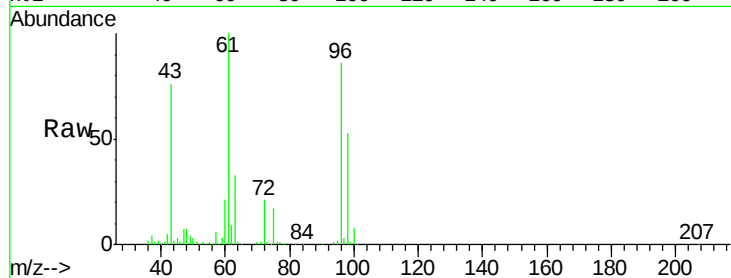
VSTD100402

Tgt Ion: 43 Resp: 328809

Ion Ratio Lower Upper

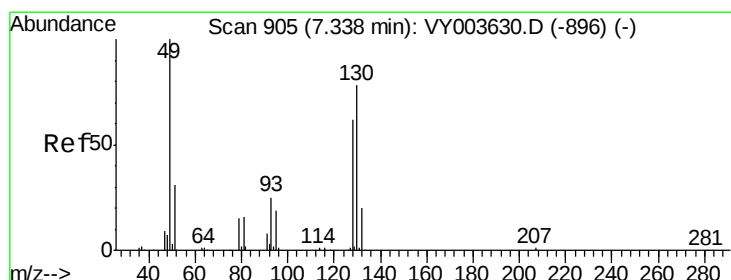
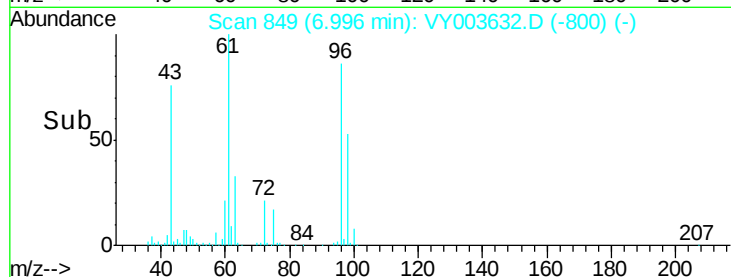
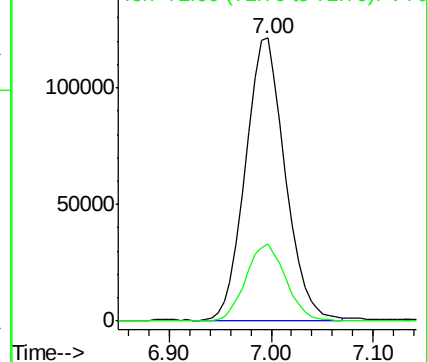
43 100

72 27.5 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 93.227 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Tgt Ion: 128 Resp: 179959

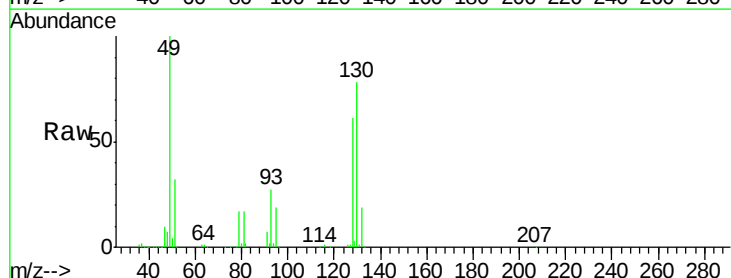
Ion Ratio Lower Upper

128 100

49 163.3 118.1 219.3

130 127.8 90.5 168.1

51 52.6 41.3 61.9

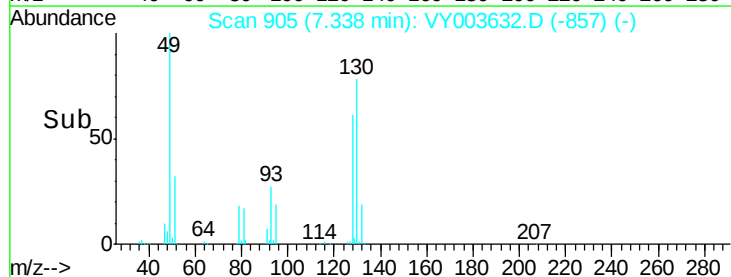
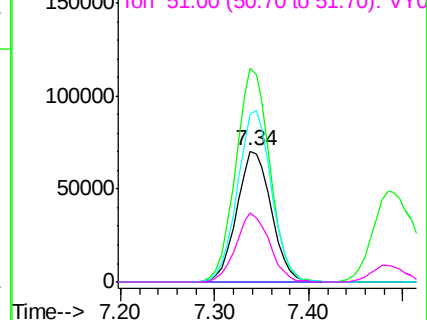


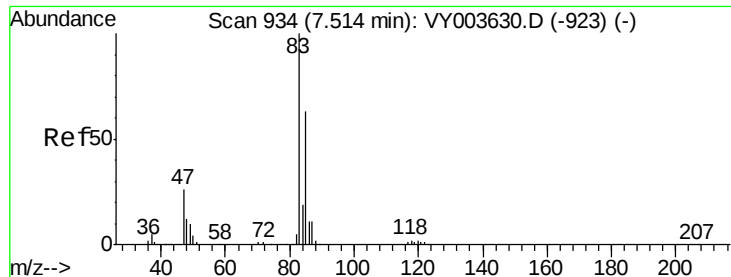
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 91.215 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

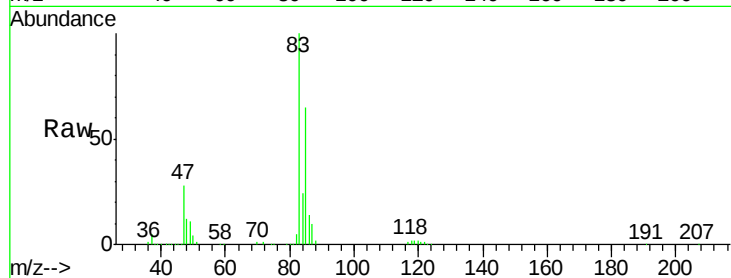
VSTD100402

Tgt Ion: 83 Resp: 588385

Ion Ratio Lower Upper

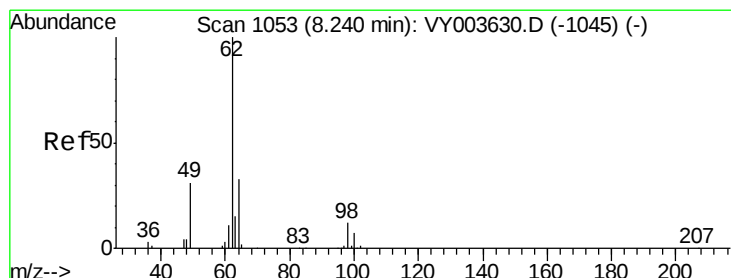
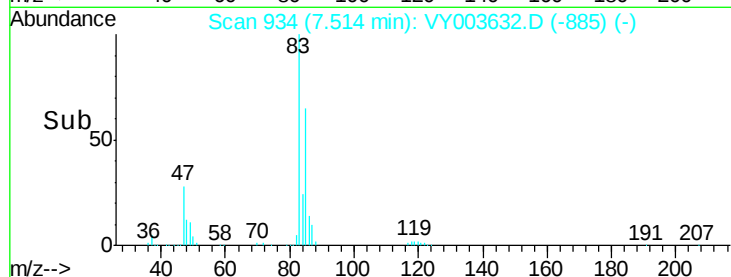
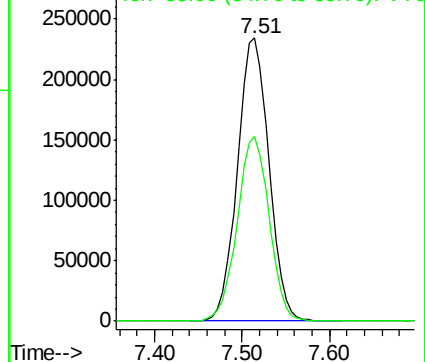
83 100

85 65.2 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: 91.733 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003632.D

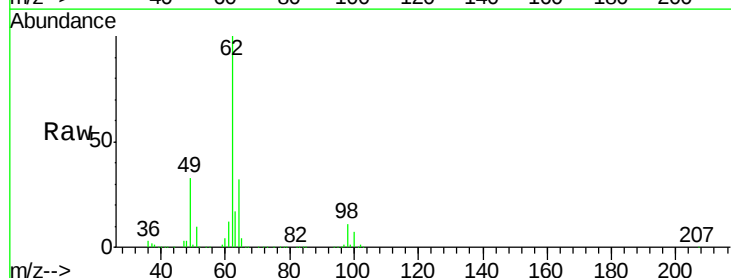
Acq: 01 Dec 2020 12:18

Tgt Ion: 62 Resp: 392989

Ion Ratio Lower Upper

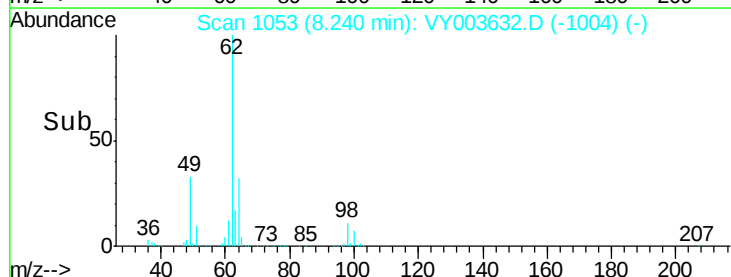
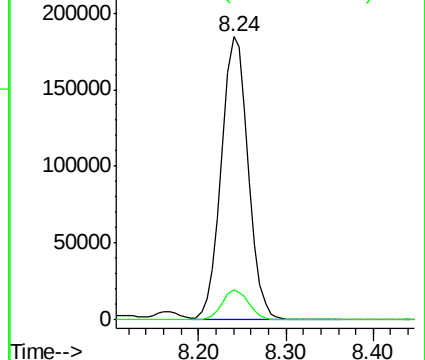
62 100

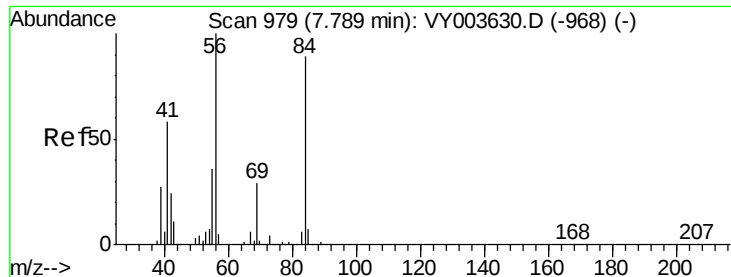
98 10.8 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

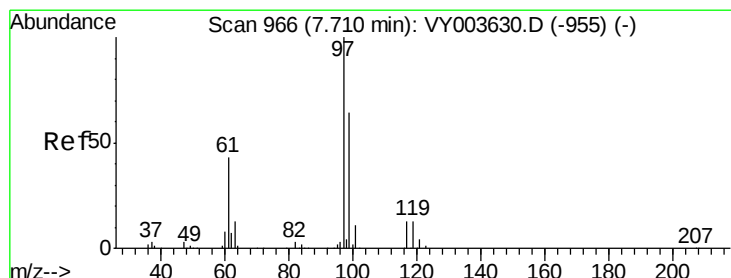
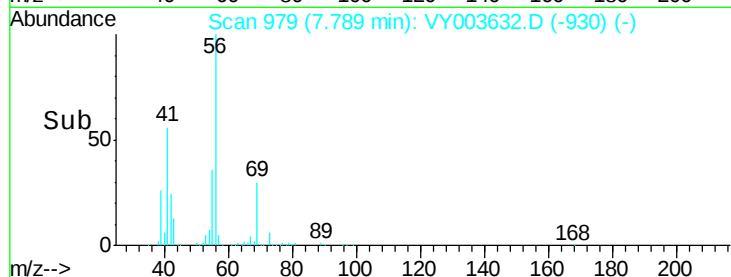
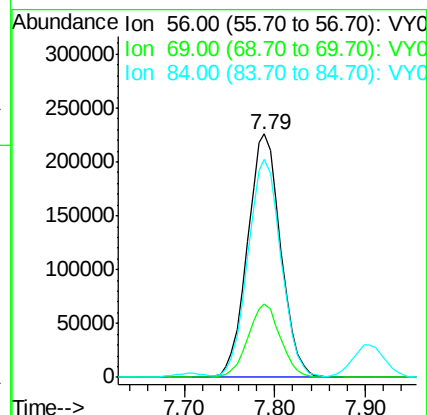
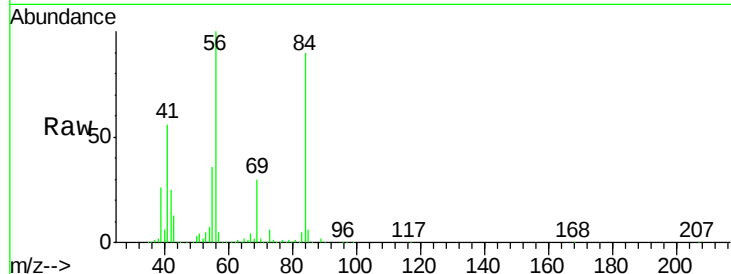




#29
Cyclohexane
Concen: 96.788 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

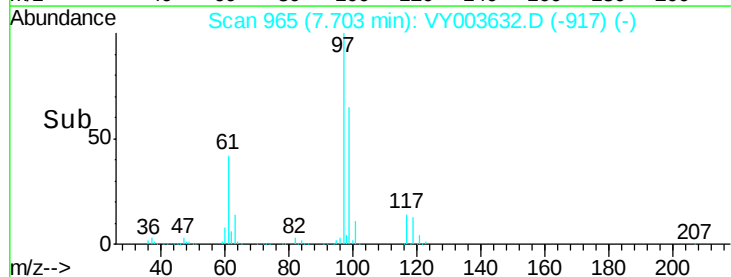
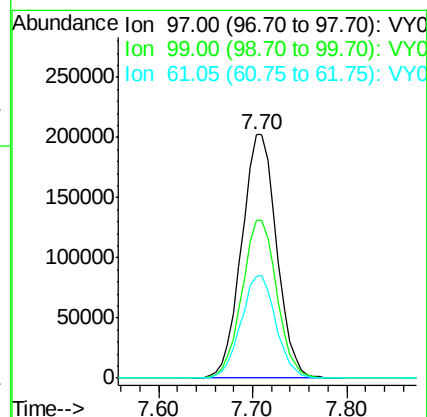
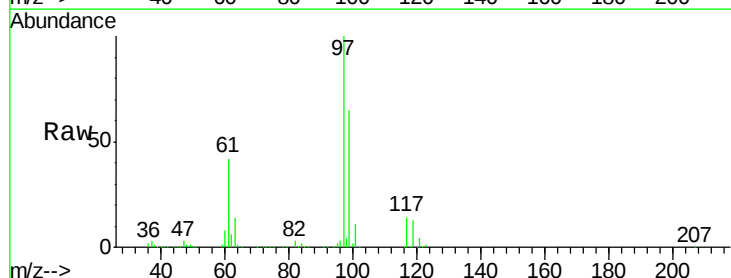
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

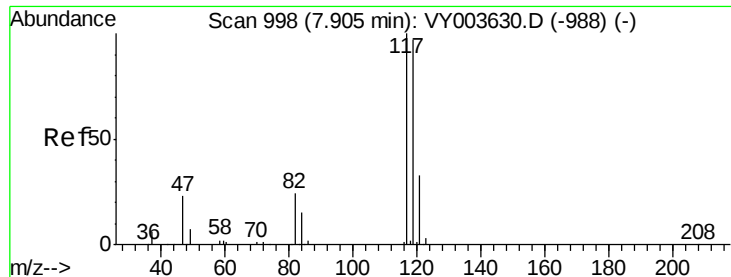
Tgt Ion: 56 Resp: 571469
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 90.0 71.9 107.9



#30
1,1,1-Trichloroethane
Concen: 90.602 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion: 97 Resp: 526223
Ion Ratio Lower Upper
97 100
99 64.4 50.6 76.0
61 42.1 34.3 51.5

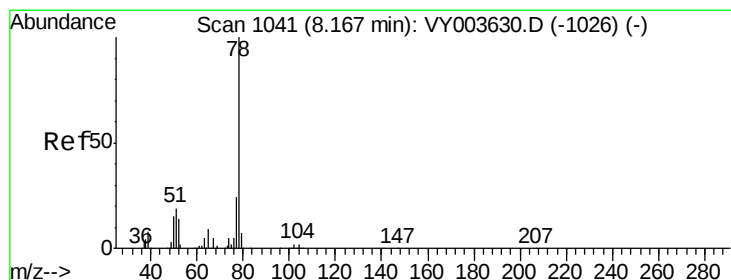
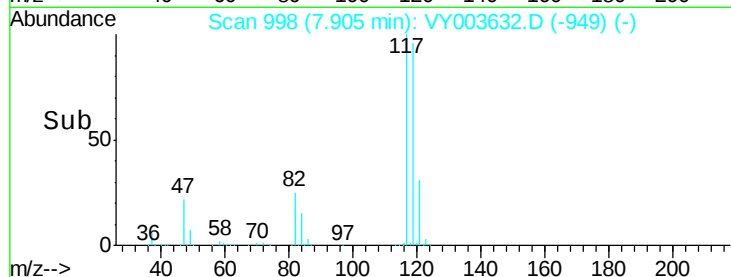
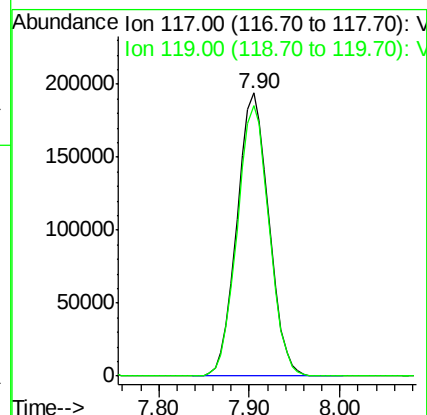
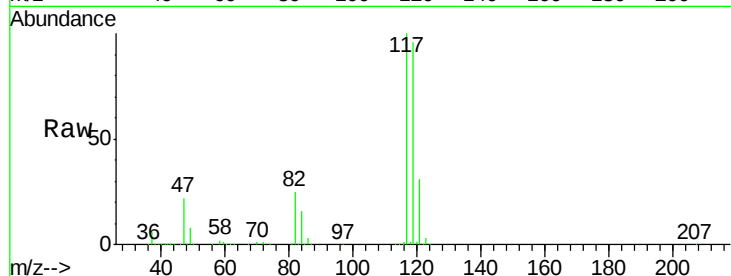




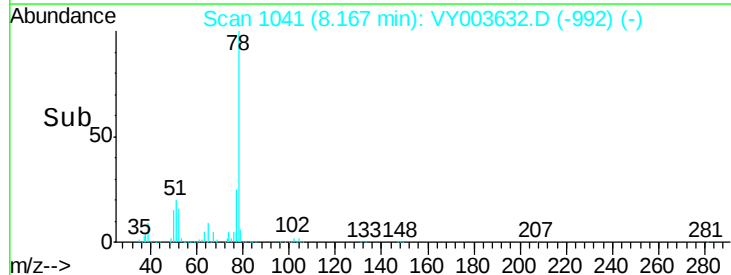
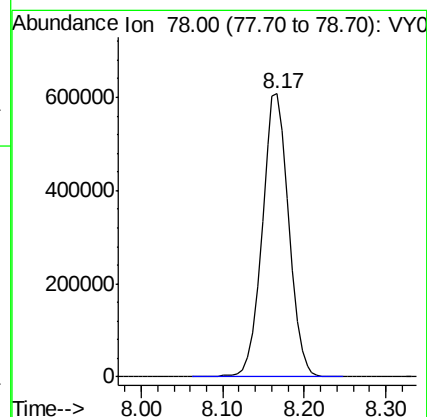
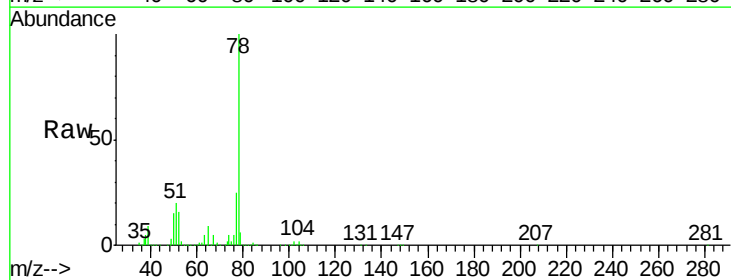
#31
Carbon tetrachloride
Concen: 89.897 ug/L
RT: 7.90 min Scan# 998
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

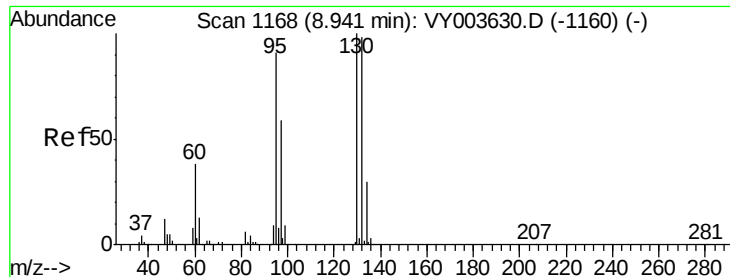
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

Tgt Ion:117 Resp: 473220
Ion Ratio Lower Upper
117 100
119 95.9 77.7 116.5



#33
Benzene
Concen: 91.594 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18
Tgt Ion: 78 Resp: 1378634





#34

Trichloroethene

Concen: 91.516 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100402

Tgt Ion: 95 Resp: 342625

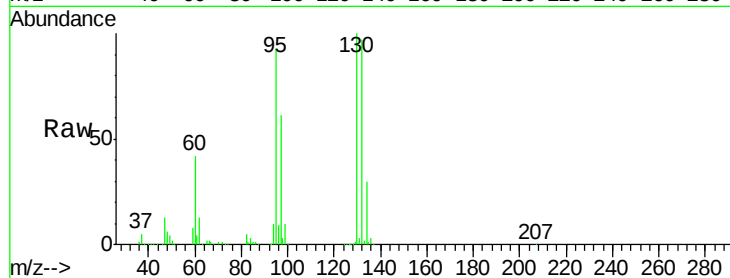
Ion Ratio Lower Upper

95 100

97 64.9 44.7 83.1

132 103.7 74.7 138.7

130 107.2 76.8 142.6

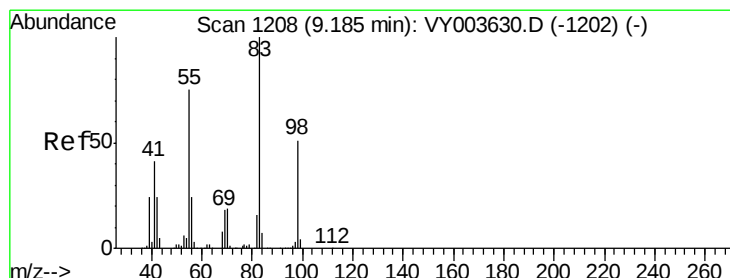
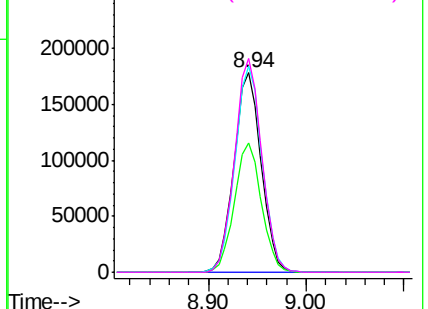
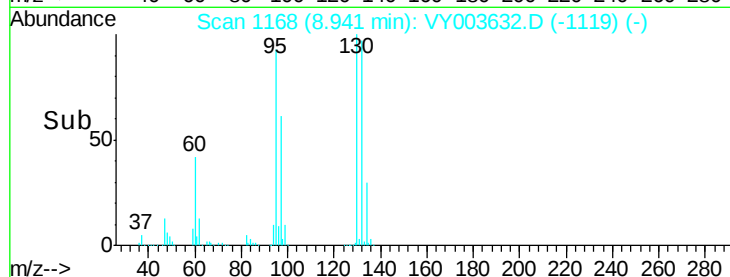


Abundance Ion 95.00 (94.70 to 95.70): VY003632.D (-1160) (-)

Ion 97.00 (96.70 to 97.70): VY003632.D (-1160) (-)

Ion 132.00 (131.70 to 132.70): VY003632.D (-1160) (-)

Ion 130.00 (129.70 to 130.70): VY003632.D (-1160) (-)



#35

Methylcyclohexane

Concen: 94.901 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

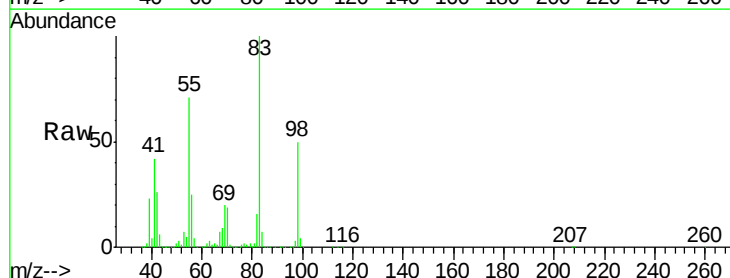
Tgt Ion: 83 Resp: 614049

Ion Ratio Lower Upper

83 100

55 73.0 58.3 87.5

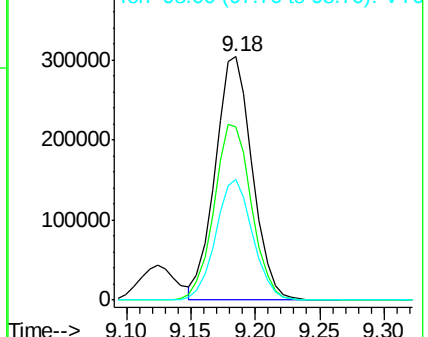
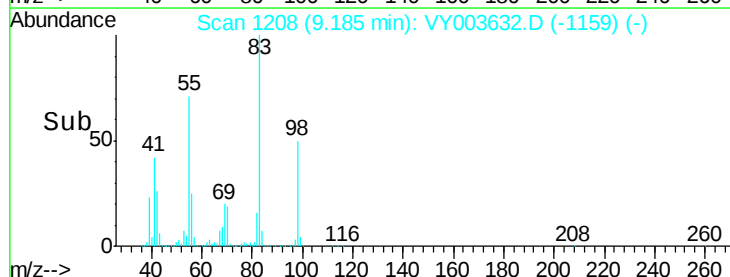
98 49.6 39.0 58.6

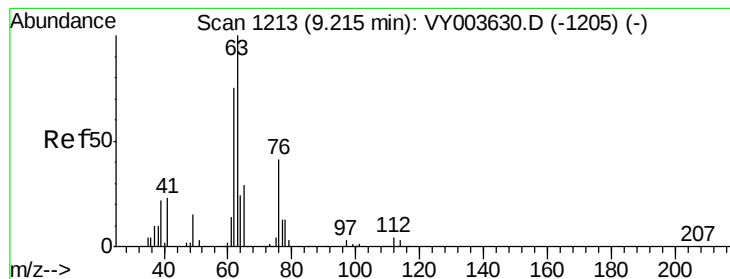


Abundance Ion 83.00 (82.70 to 83.70): VY003632.D (-1202) (-)

Ion 55.00 (54.70 to 55.70): VY003632.D (-1202) (-)

Ion 98.00 (97.70 to 98.70): VY003632.D (-1202) (-)





#37

1,2-Dichloropropane

Concen: 92.397 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

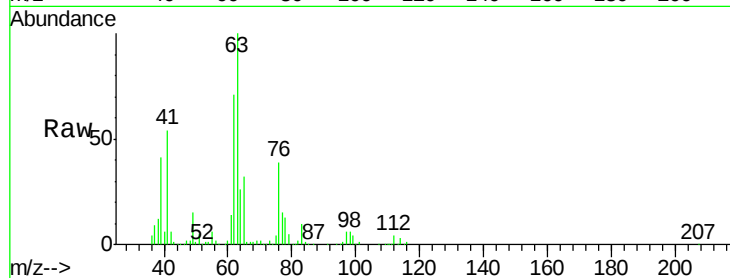
VSTD100402

Tgt Ion: 63 Resp: 349655

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY003632.D (-1165) (-)

Ion 112.00 (111.70 to 112.70): VY003632.D (-1165) (-)

200000

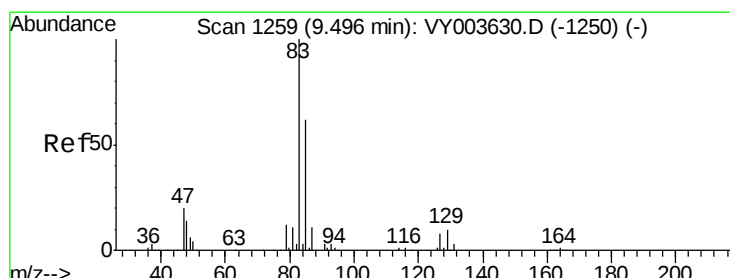
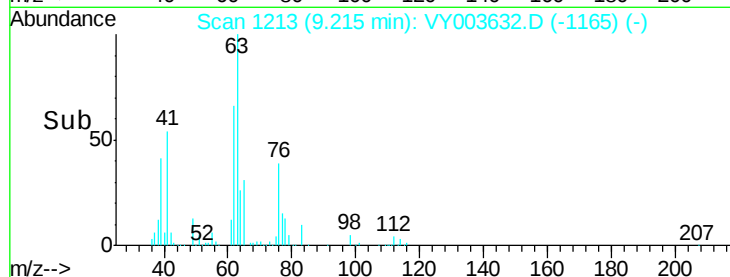
150000

100000

50000

0

Time--> 9.10 9.15 9.20 9.25 9.30



#38

Bromodichloromethane

Concen: 93.489 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

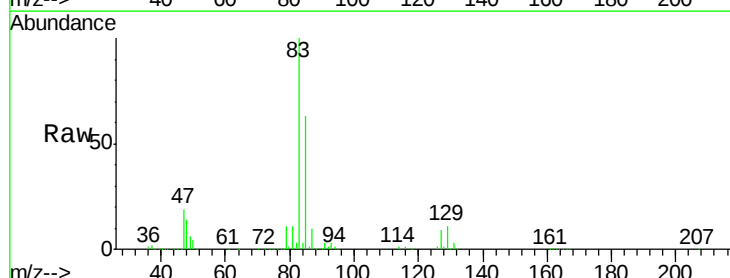
Tgt Ion: 83 Resp: 451161

Ion Ratio Lower Upper

83 100

85 62.7 43.1 80.1

127 8.6 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VY003632.D (-1210) (-)

Ion 85.00 (84.70 to 85.70): VY003632.D (-1210) (-)

Ion 127.00 (126.70 to 127.70): VY003632.D (-1210) (-)

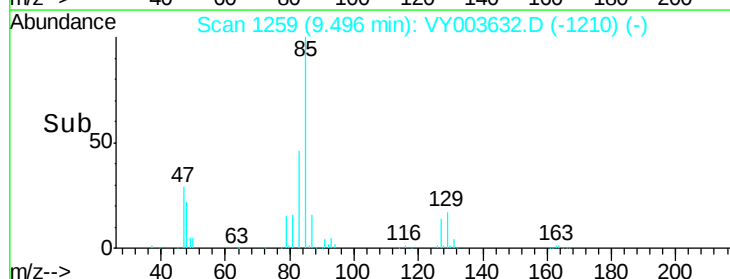
300000

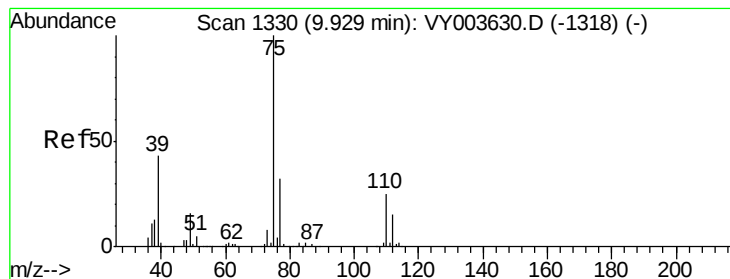
200000

100000

0

Time--> 9.40 9.45 9.50 9.55 9.60



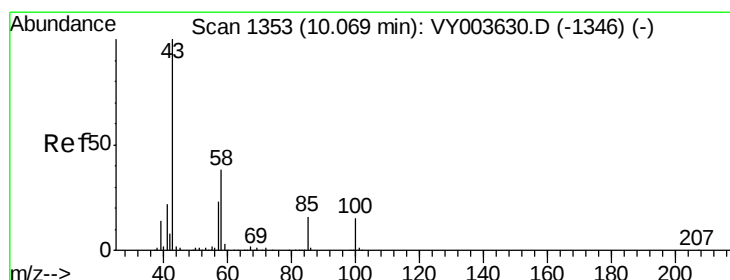
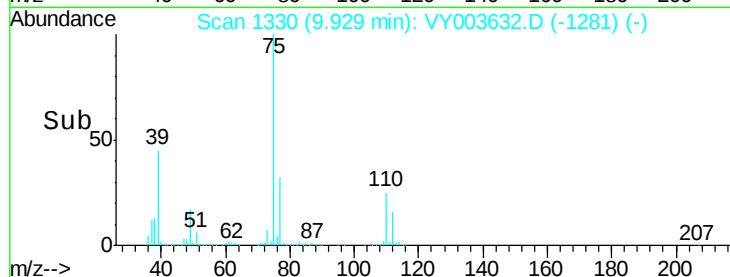
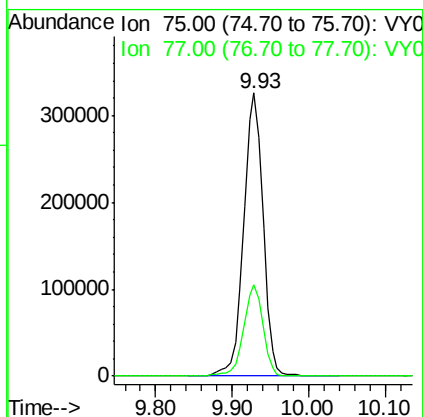
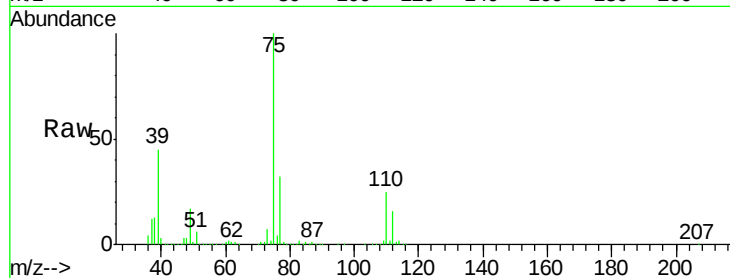


#39

cis-1,3-Dichloropropene
Concen: 96.916 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

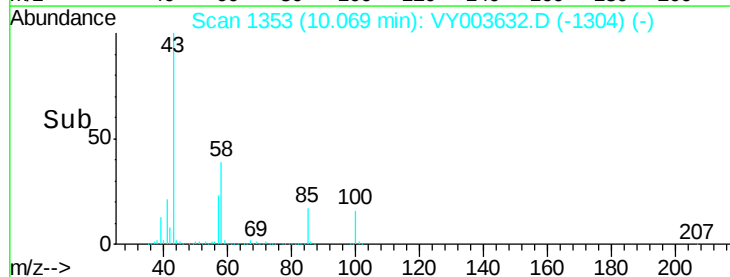
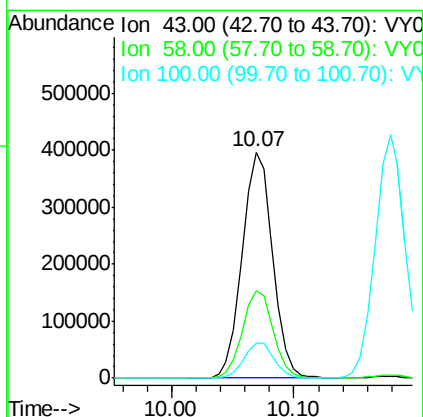
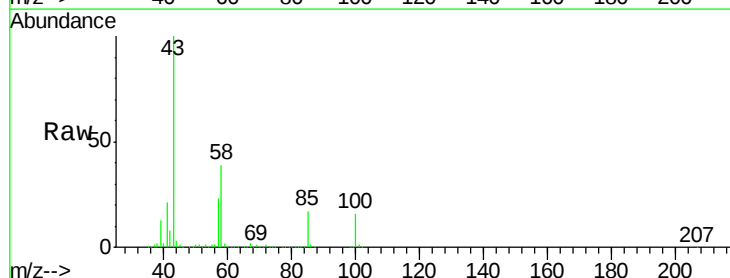
Tgt Ion: 75 Resp: 574089
Ion Ratio Lower Upper
75 100
77 32.4 23.5 43.7

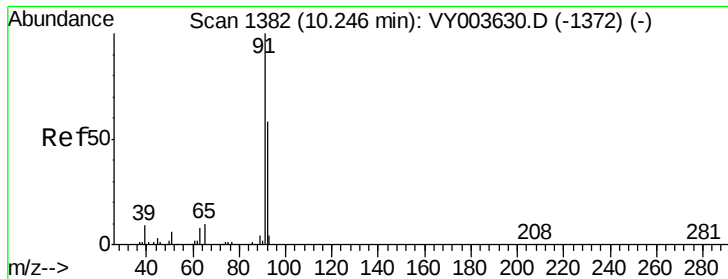


#40

4-Methyl-2-pentanone
Concen: 204.546 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion: 43 Resp: 683746
Ion Ratio Lower Upper
43 100
58 39.1 30.7 46.1
100 15.7 12.1 18.1





#42

Toluene

Concen: 93.737 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

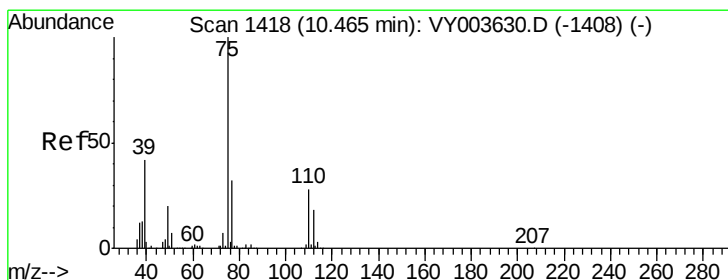
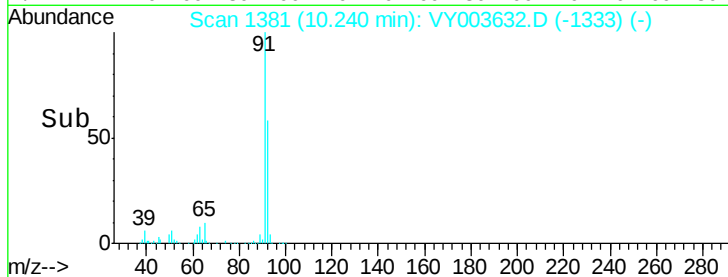
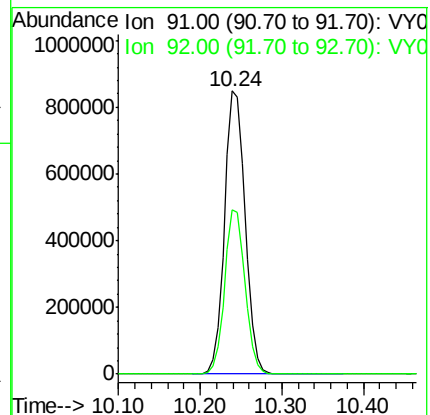
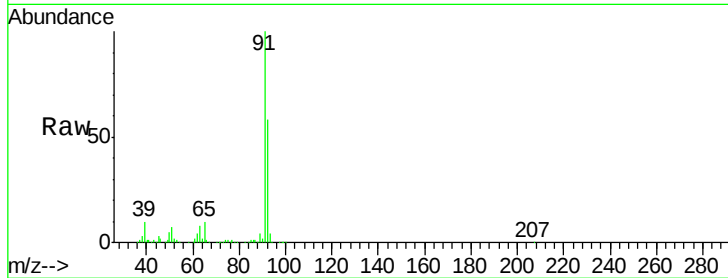
VSTD100402

Tgt Ion: 91 Resp: 1491441

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 98.072 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003632.D

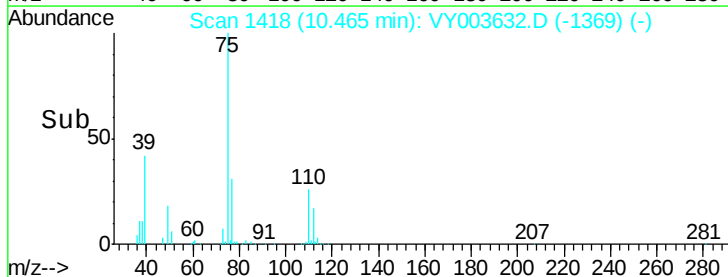
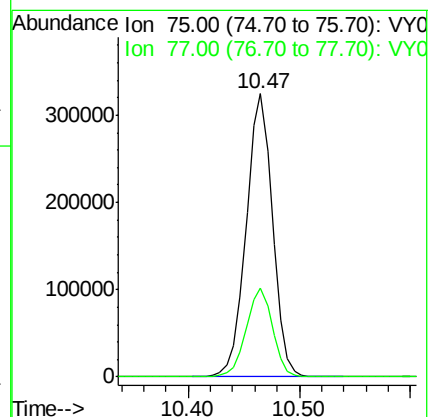
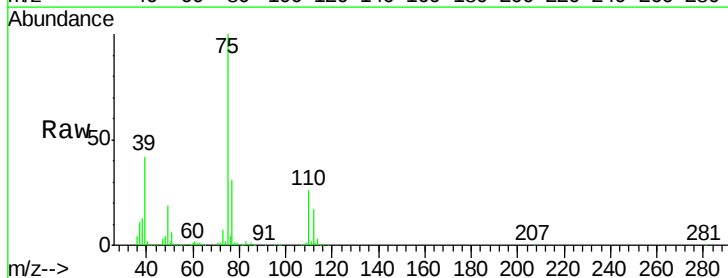
Acq: 01 Dec 2020 12:18

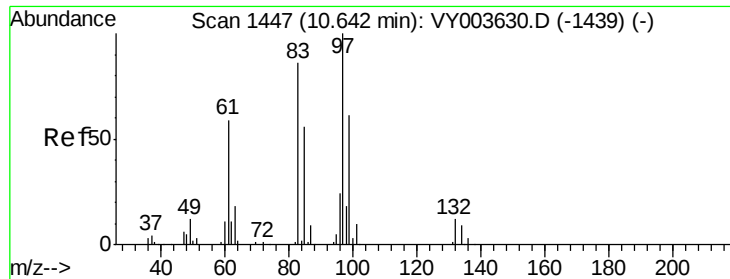
Tgt Ion: 75 Resp: 533100

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5

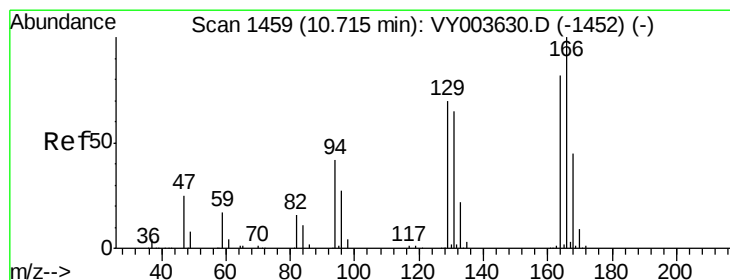
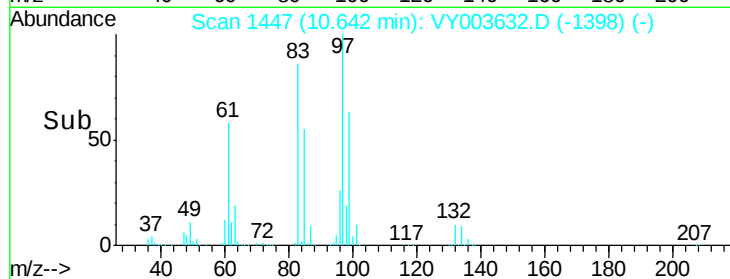
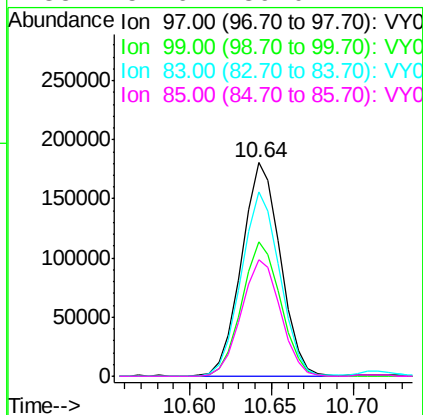
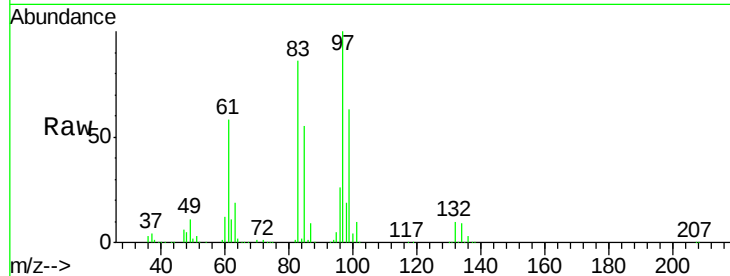




#45
 1,1,2-Trichloroethane
 Concen: 95.180 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

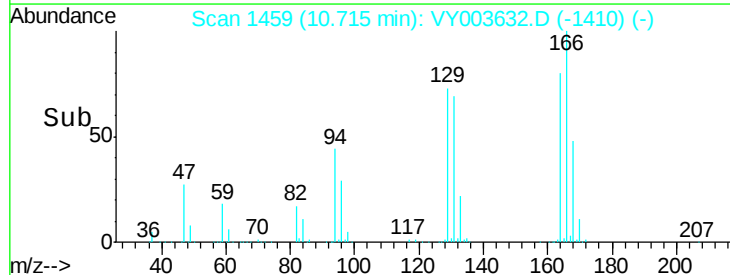
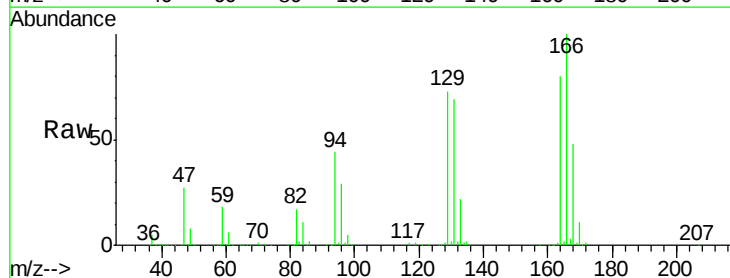
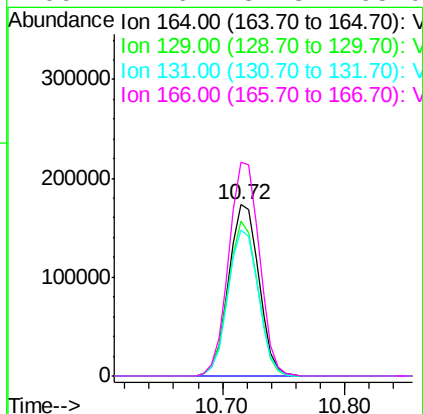
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

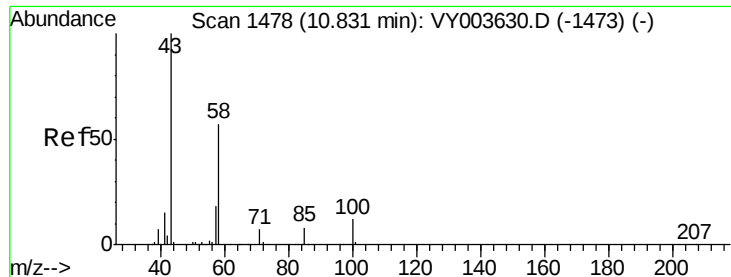
Tgt Ion: 97 Resp: 299666
 Ion Ratio Lower Upper
 97 100
 99 62.9 45.1 83.9
 83 86.2 59.7 110.9
 85 54.6 39.0 72.4



#46
 Tetrachloroethene
 Concen: 90.830 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Tgt Ion: 164 Resp: 295926
 Ion Ratio Lower Upper
 164 100
 129 90.3 58.9 109.5
 131 85.4 59.0 109.6
 166 124.6 87.8 163.0

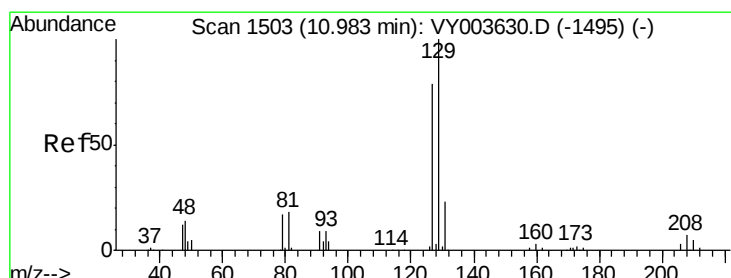
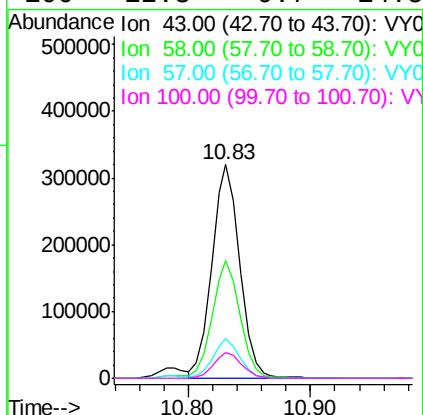
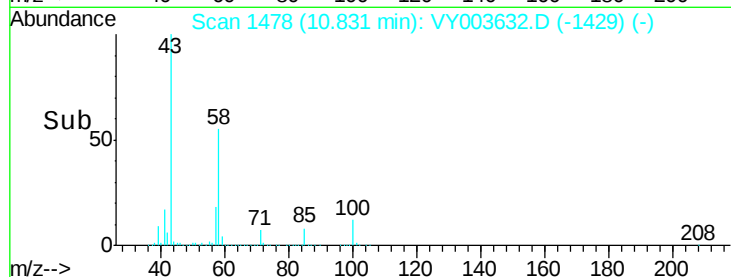
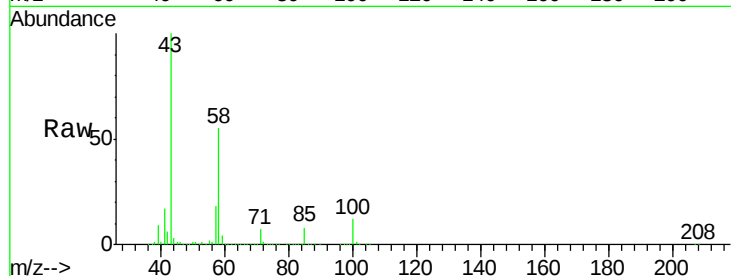




#48
2-Hexanone
Concen: 212.317 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

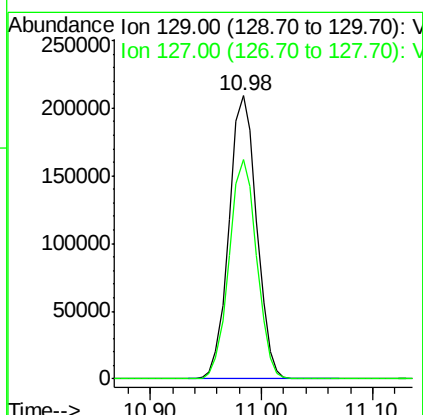
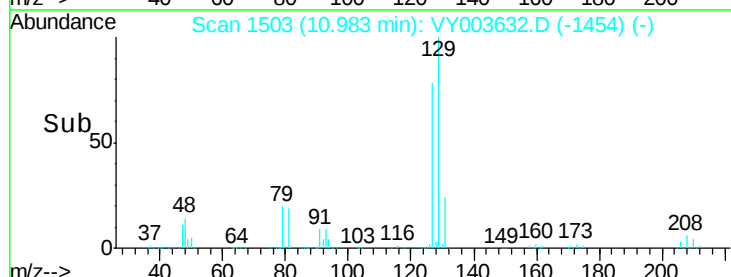
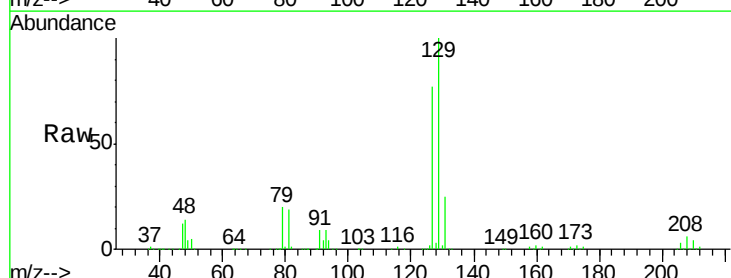
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

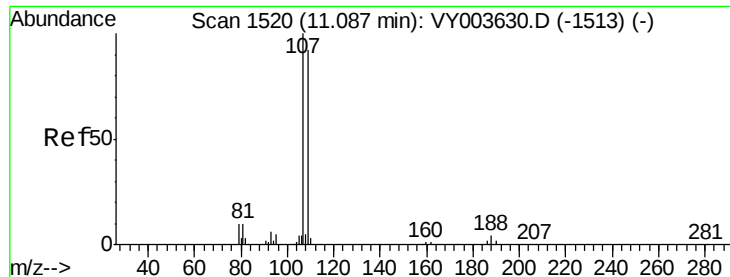
Tgt Ion: 43 Resp: 506319
Ion Ratio Lower Upper
43 100
58 54.9 43.0 64.6
57 17.8 14.6 21.8
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 97.268 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion: 129 Resp: 359650
Ion Ratio Lower Upper
129 100
127 77.3 55.0 102.2

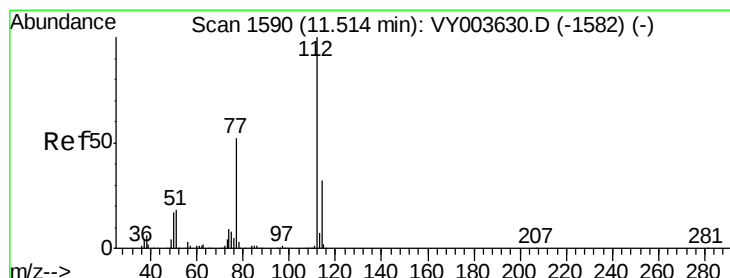
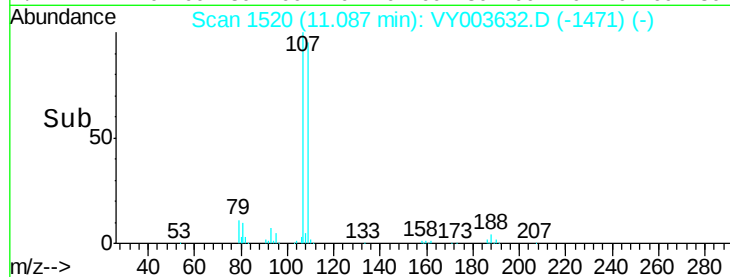
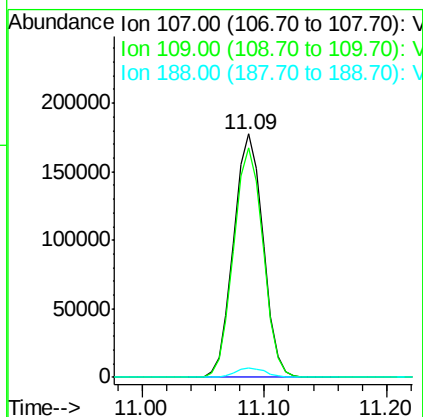
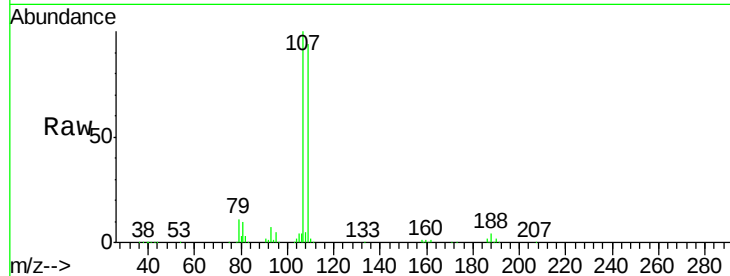




#50
1,2-Dibromoethane
Concen: 97.546 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

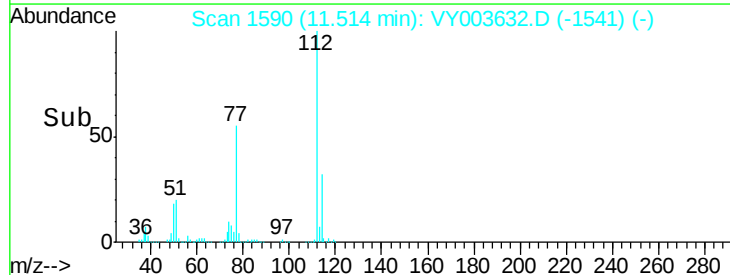
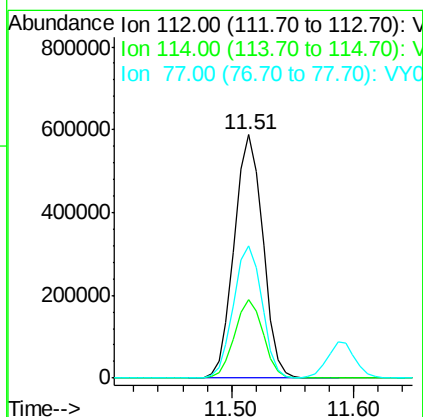
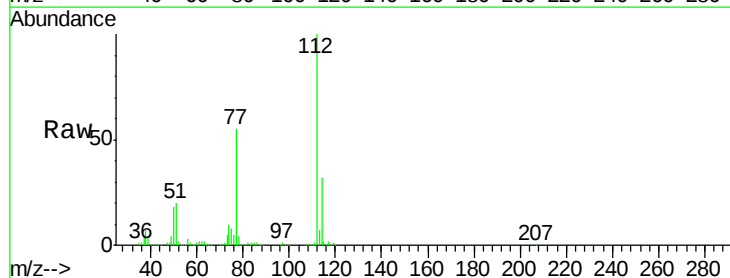
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

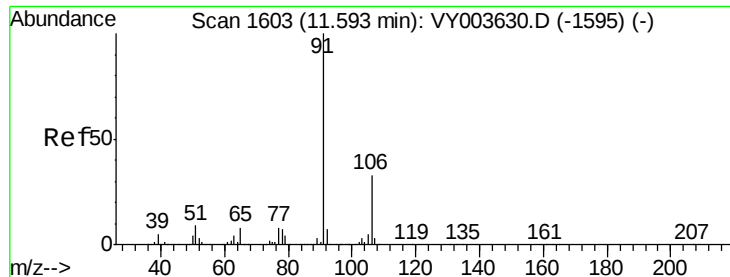
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.5	121.7
188	3.9	3.8	5.8



#51
Chlorobenzene
Concen: 94.197 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.2	41.2
77	54.6	43.8	65.6





#52

Ethylbenzene

Concen: 95.595 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

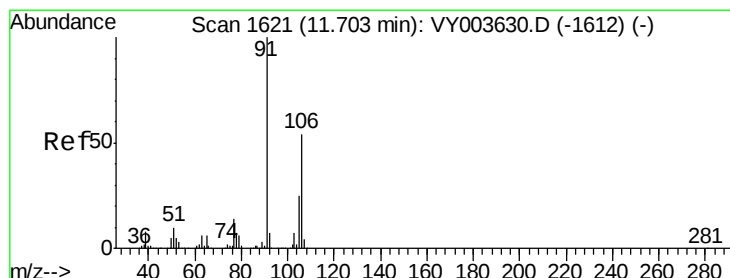
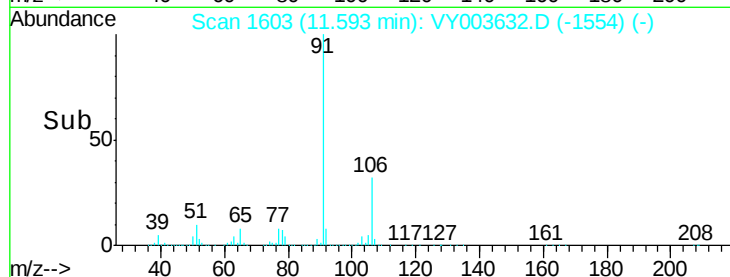
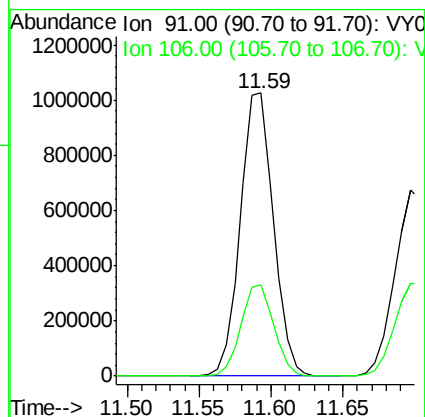
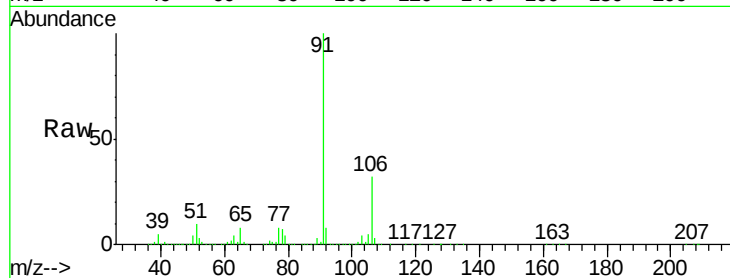
VSTD100402

Tgt Ion: 91 Resp: 1633781

Ion Ratio Lower Upper

91 100

106 32.3 22.8 42.4



#53

m,p-Xylene

Concen: 96.822 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003632.D

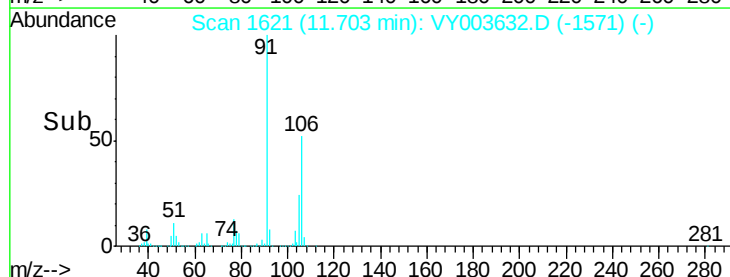
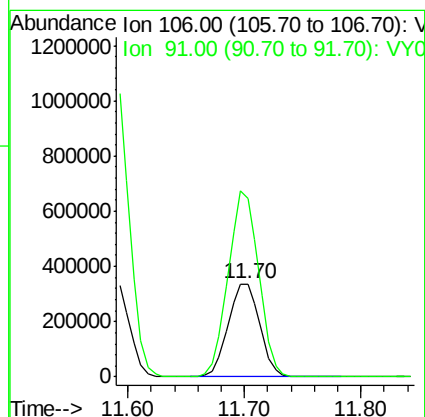
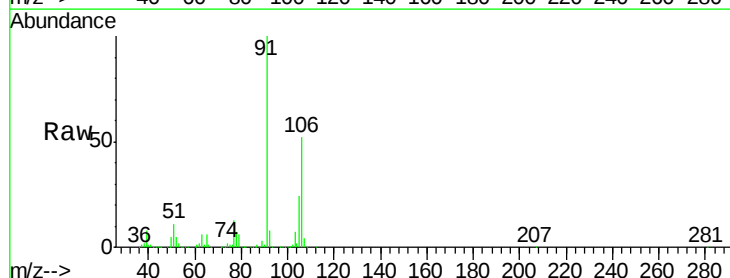
Acq: 01 Dec 2020 12:18

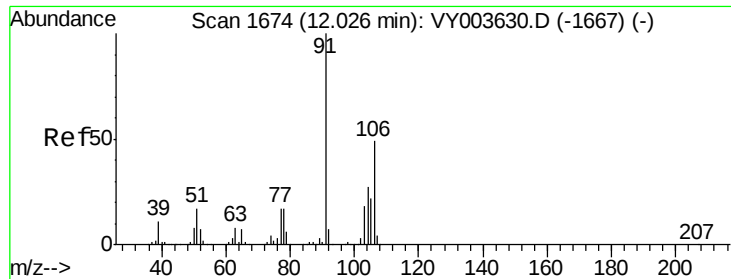
Tgt Ion: 106 Resp: 634088

Ion Ratio Lower Upper

106 100

91 193.1 133.1 247.3

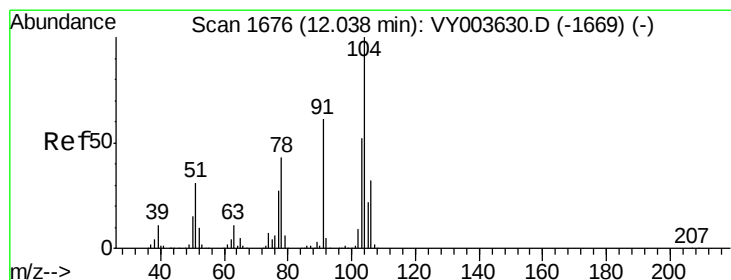
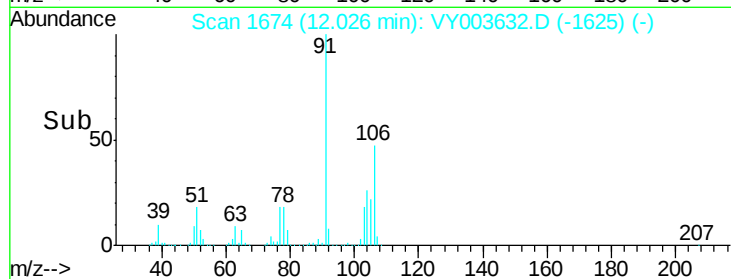
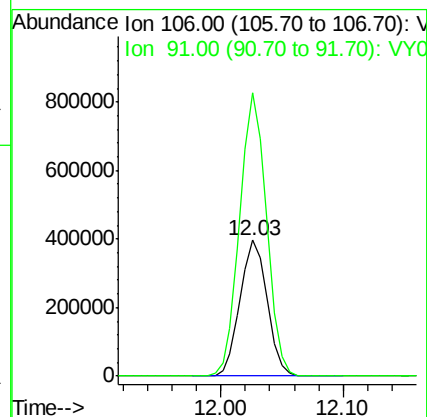
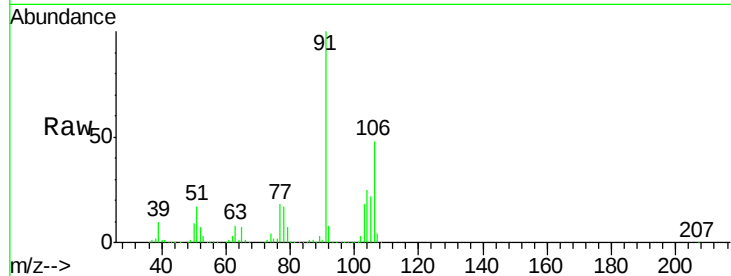




#54
o-Xylene
Concen: 97.743 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

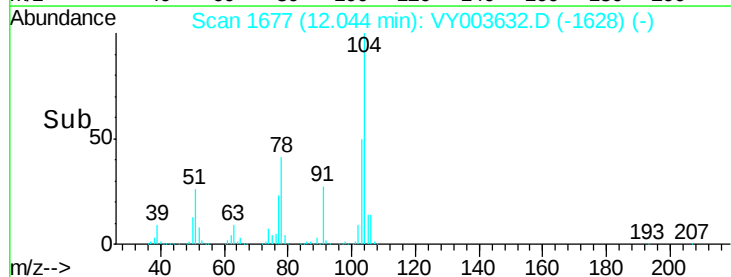
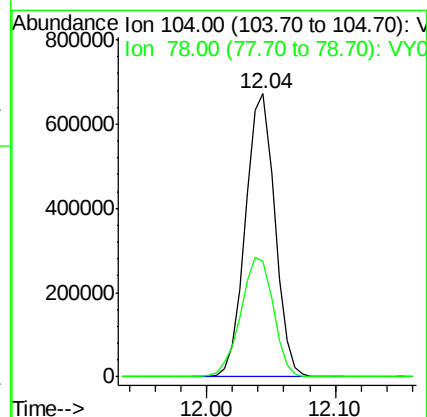
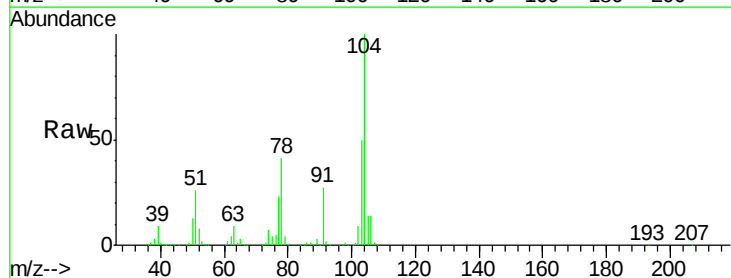
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100402

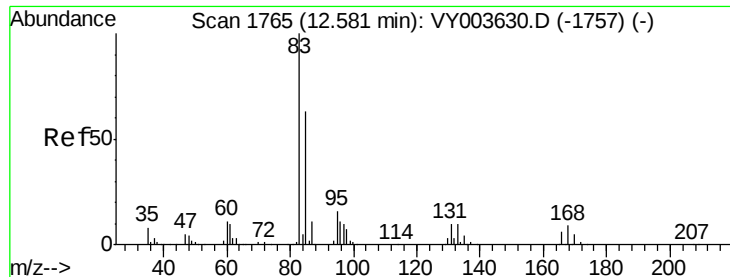
Tgt Ion:106 Resp: 609244
Ion Ratio Lower Upper
106 100
91 208.5 144.1 267.5



#55
Styrene
Concen: 98.836 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003632.D
Acq: 01 Dec 2020 12:18

Tgt Ion:104 Resp: 1056110
Ion Ratio Lower Upper
104 100
78 41.1 27.6 51.4

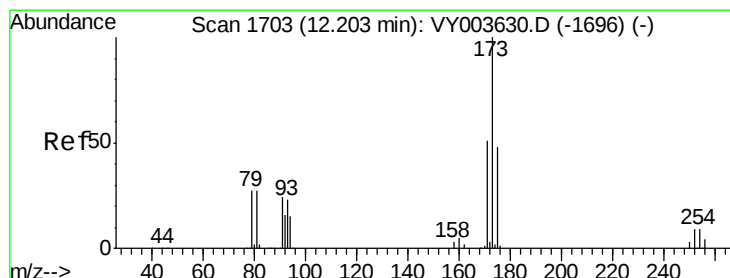
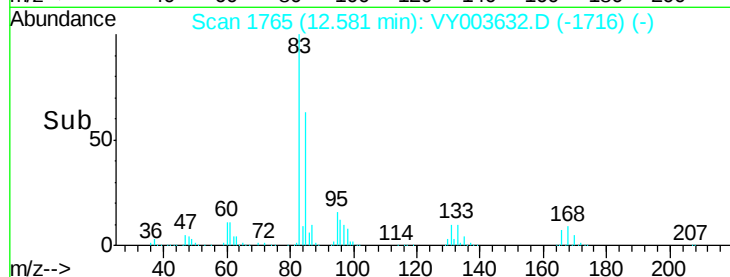
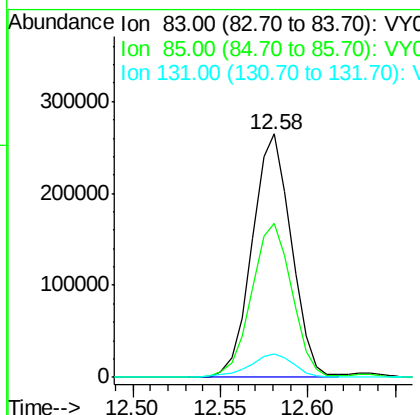
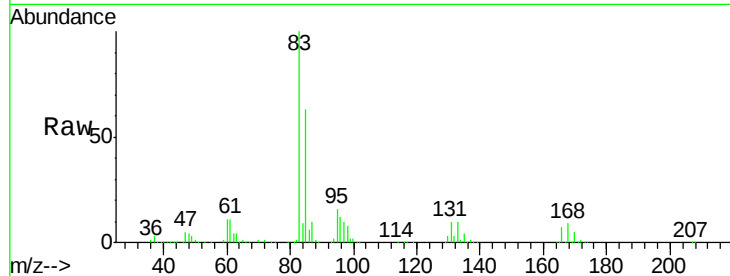




#57
 1,1,2,2-Tetrachloroethane
 Concen: 98.974 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

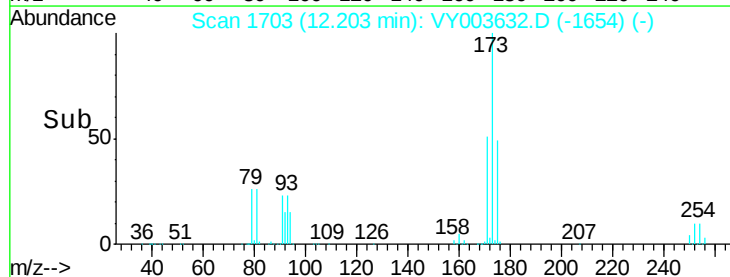
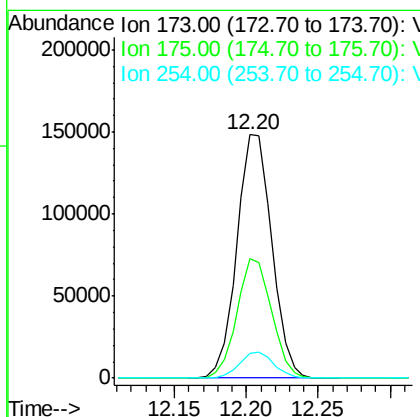
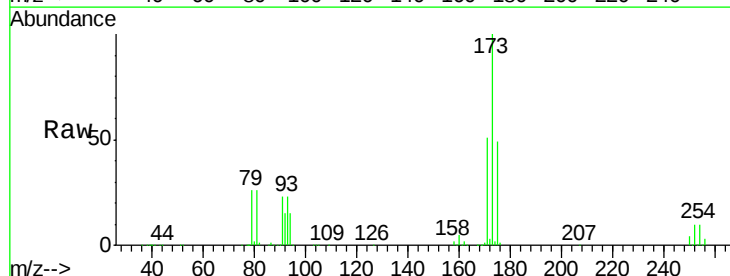
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

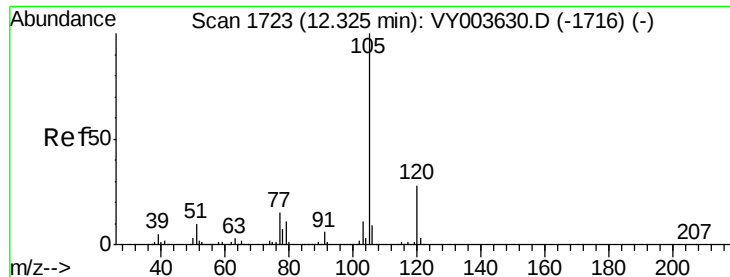
Tgt Ion: 83 Resp: 411557
 Ion Ratio Lower Upper
 83 100
 85 63.2 46.1 85.7
 131 9.6 8.1 12.1



#59
 Bromoform
 Concen: 97.982 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Tgt Ion: 173 Resp: 250232
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.4
 254 10.4 8.0 12.0





#60

Isopropylbenzene

Concen: 96.726 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampled :

VSTD100402

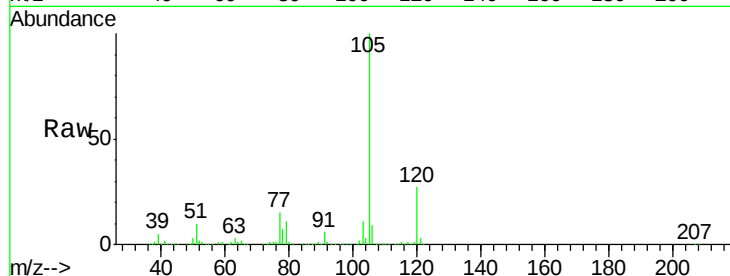
Tgt Ion:105 Resp: 1629732

Ion Ratio Lower Upper

105 100

120 27.5 22.0 33.0

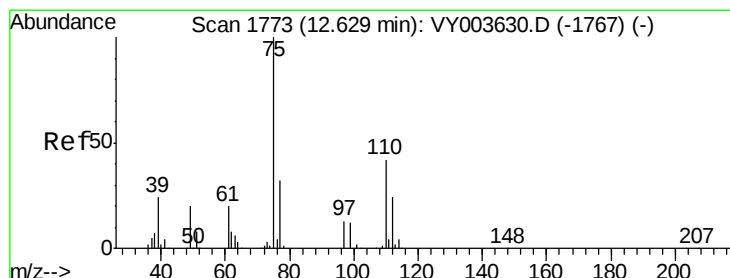
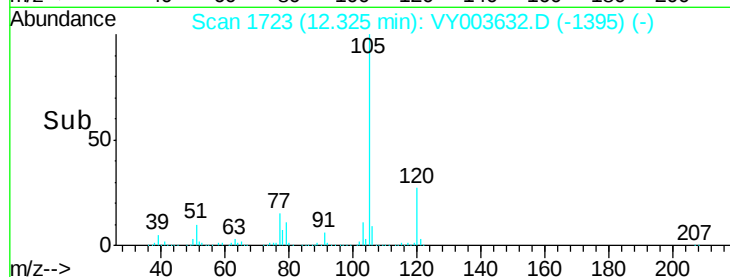
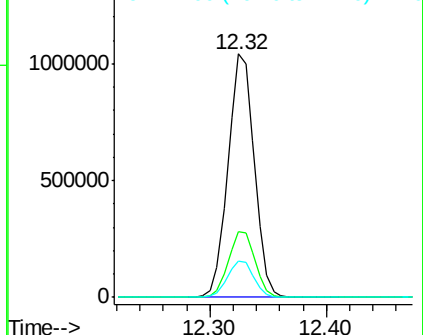
77 15.1 12.1 18.1



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: 95.937 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

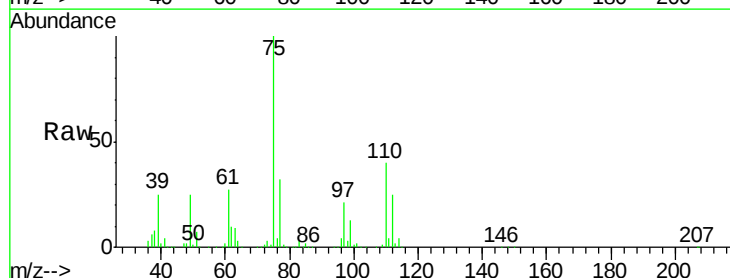
Tgt Ion: 75 Resp: 294029

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5

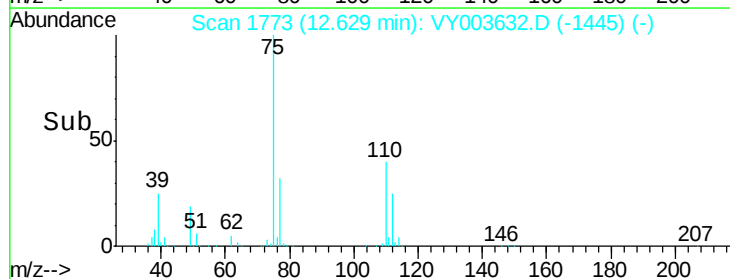
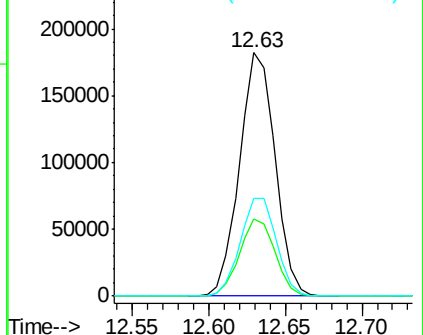
110 40.9 33.0 49.4

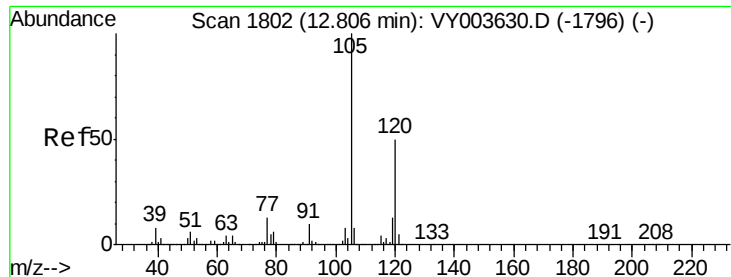


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 98.418 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

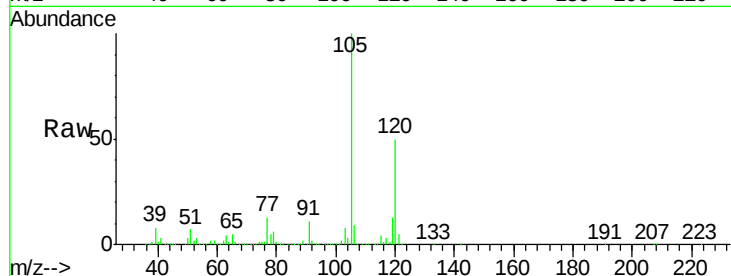
VSTD100402

Tgt Ion:105 Resp: 1304534

Ion Ratio Lower Upper

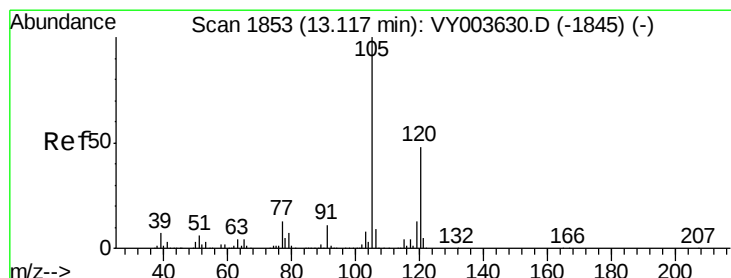
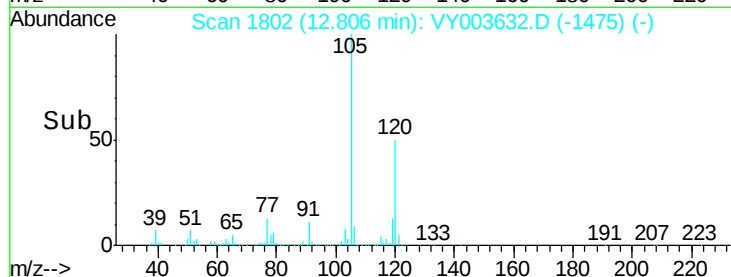
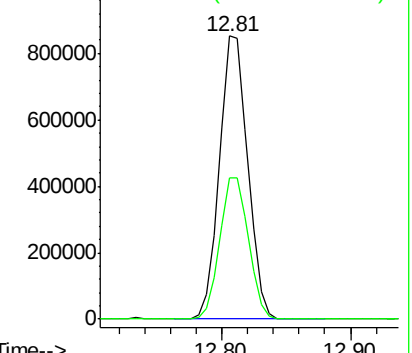
105 100

120 50.8 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: 98.414 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003632.D

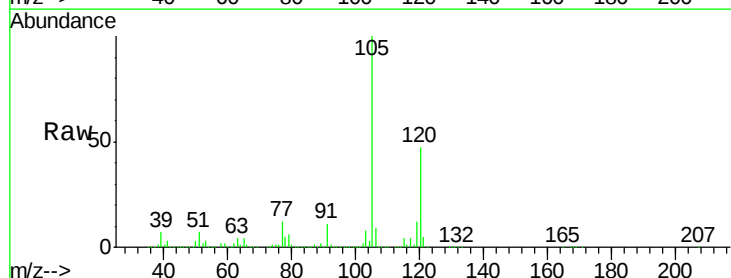
Acq: 01 Dec 2020 12:18

Tgt Ion:105 Resp: 1281677

Ion Ratio Lower Upper

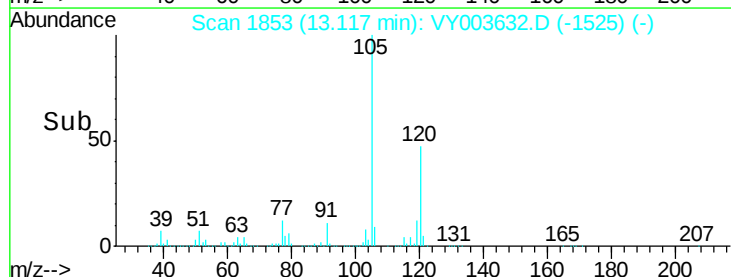
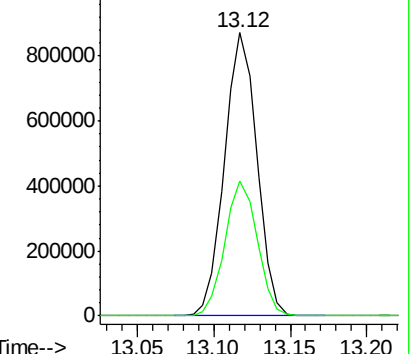
105 100

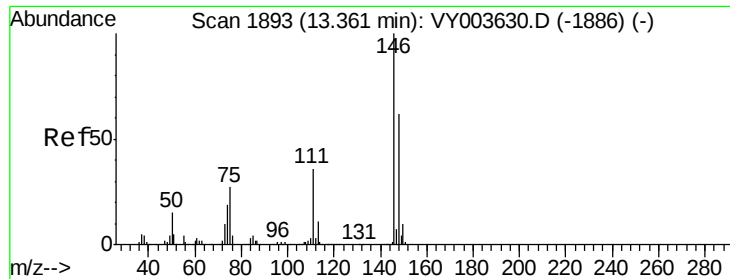
120 47.6 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

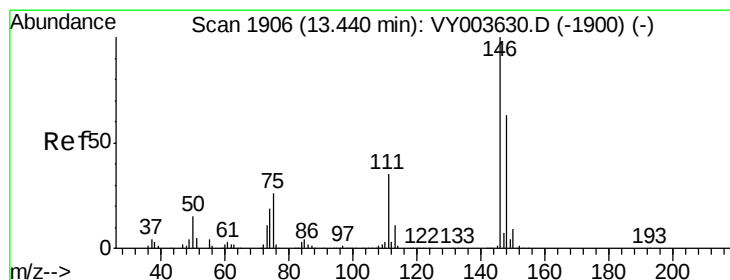
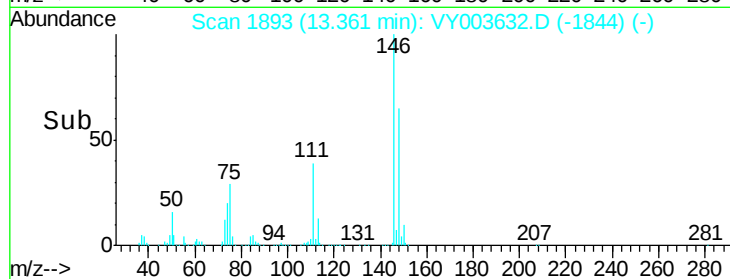
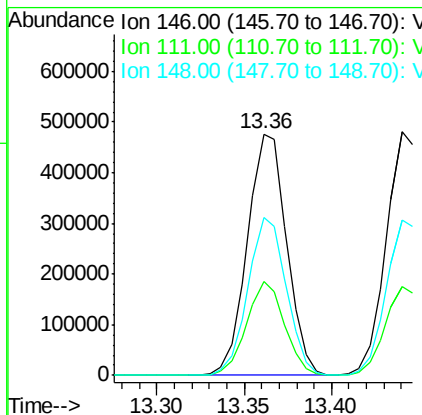
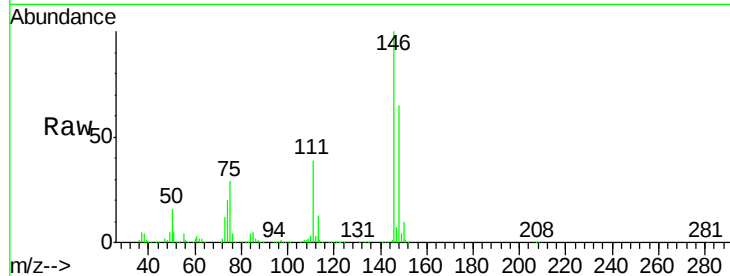




#64
 1,3-Dichlorobenzene
 Concen: 93.093 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

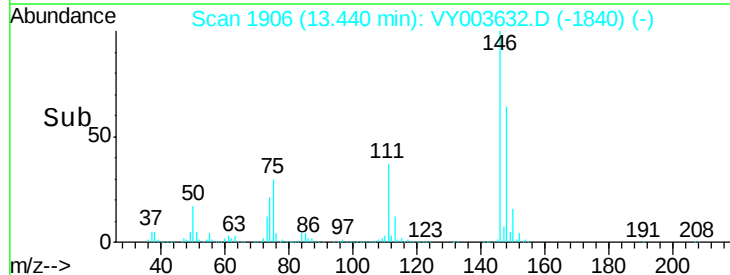
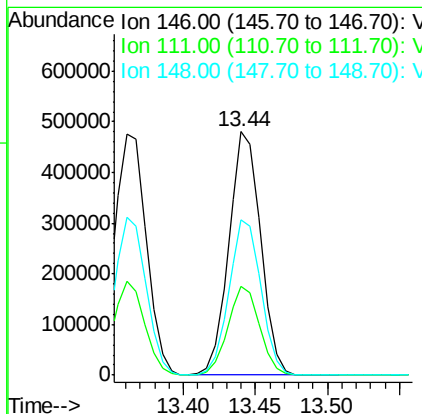
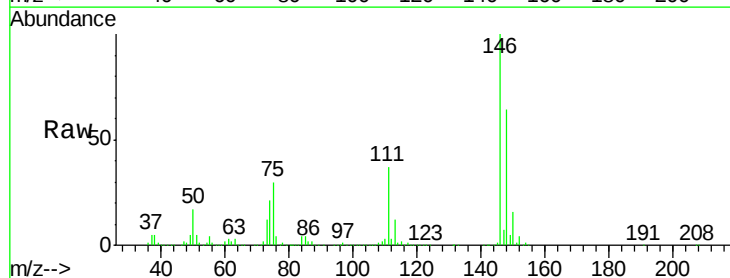
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

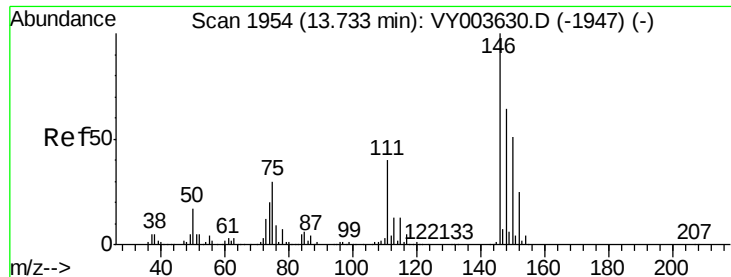
Tgt Ion:146 Resp: 744678
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.6 49.4
 148 65.4 46.3 86.1



#65
 1,4-Dichlorobenzene
 Concen: 90.593 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Tgt Ion:146 Resp: 742115
 Ion Ratio Lower Upper
 146 100
 111 36.6 24.7 45.9
 148 63.9 43.4 80.6

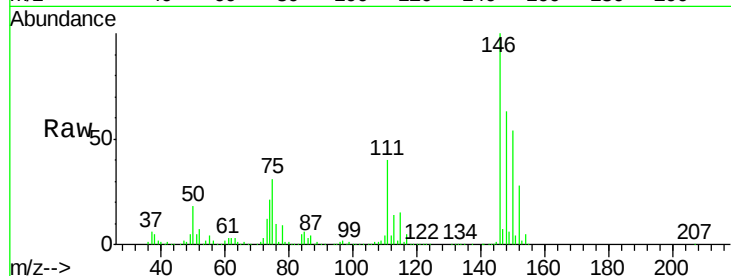




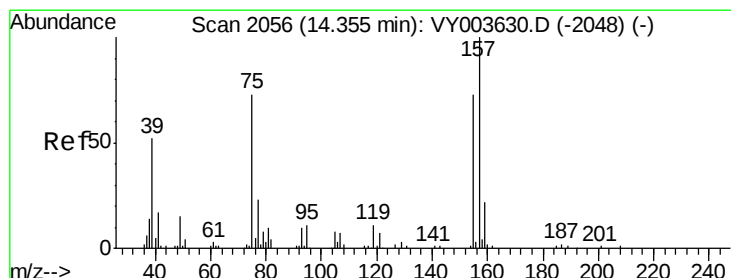
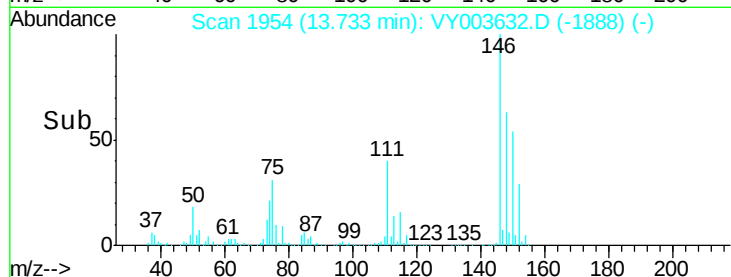
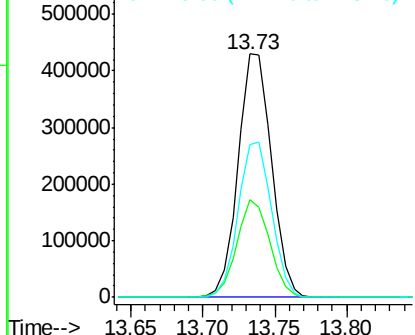
#67
 1,2-Dichlorobenzene
 Concen: 93.191 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

Tgt Ion: 146 Resp: 691444
 Ion Ratio Lower Upper
 146 100
 111 40.2 31.0 46.6
 148 62.8 51.0 76.4

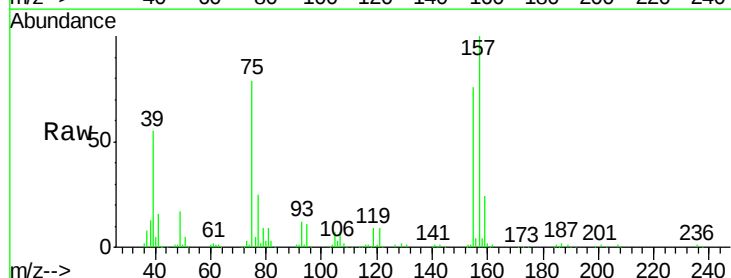


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

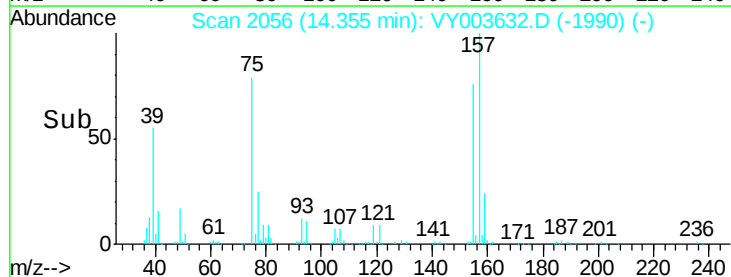
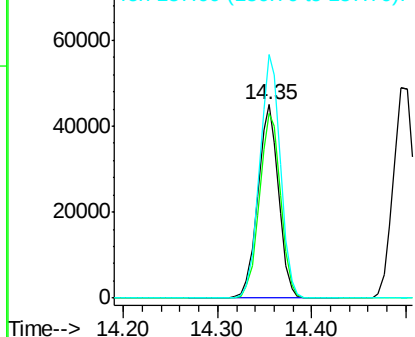


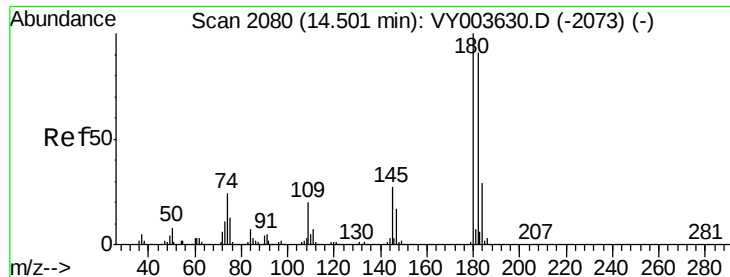
#68
 1,2-Dibromo-3-chloropropane
 Concen: 100.078 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Tgt Ion: 75 Resp: 69686
 Ion Ratio Lower Upper
 75 100
 155 95.3 73.4 110.0
 157 126.0 98.1 147.1



Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

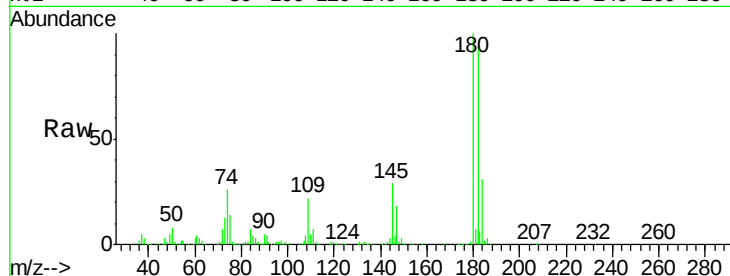




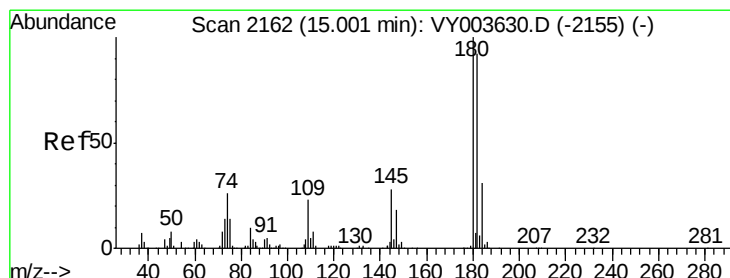
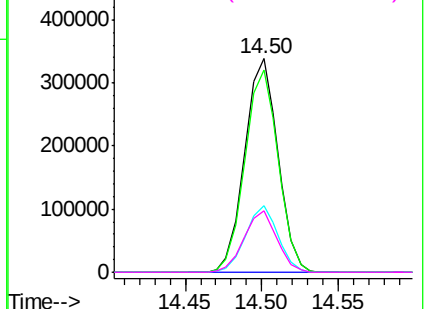
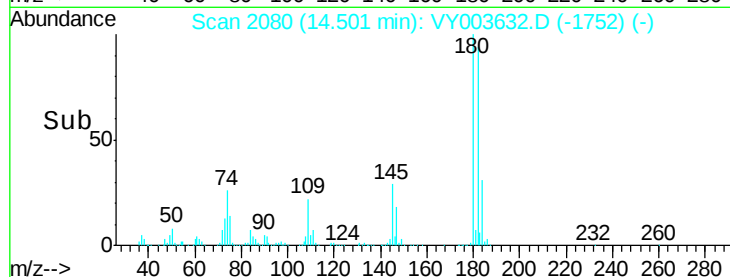
#69
 1,3,5-Trichlorobenzene
 Concen: 92.463 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100402

Tgt Ion:180 Resp: 511584
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.4 113.0
 184 30.4 24.1 36.1
 145 28.4 22.4 33.6

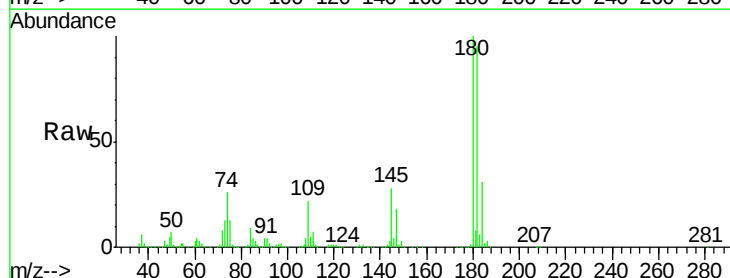


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

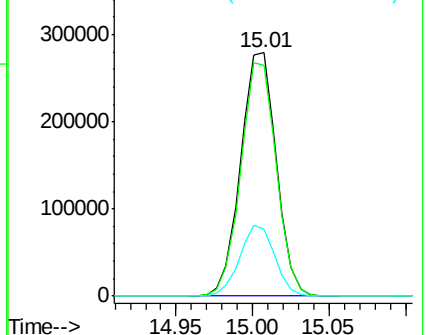
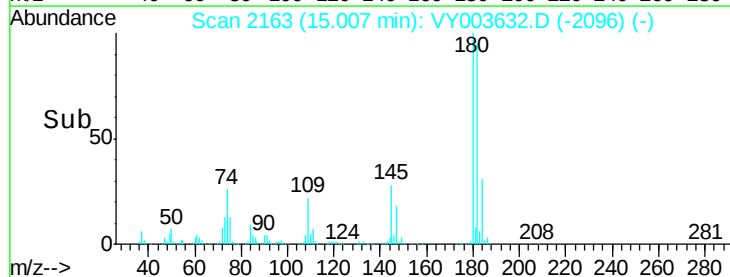


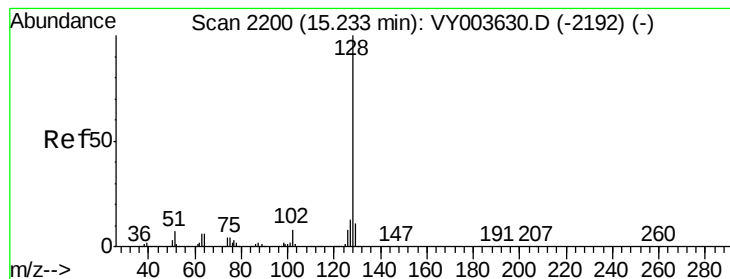
#70
 1,2,4-trichlorobenzene
 Concen: 95.033 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003632.D
 Acq: 01 Dec 2020 12:18

Tgt Ion:180 Resp: 452842
 Ion Ratio Lower Upper
 180 100
 182 95.4 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: 108.461 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100402

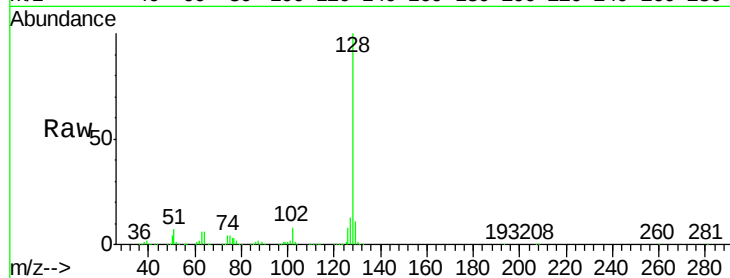
Tgt Ion:128 Resp: 1076038

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

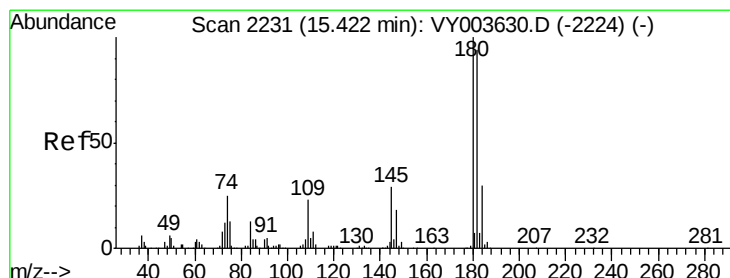
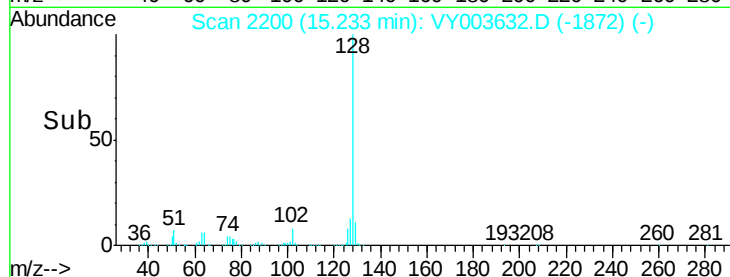
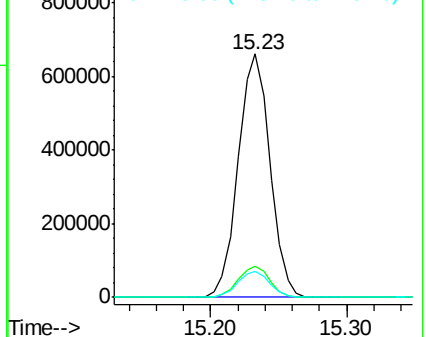
129 10.8 8.5 12.7



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: 95.820 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003632.D

Acq: 01 Dec 2020 12:18

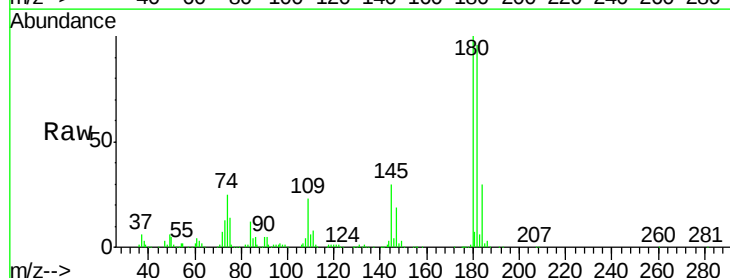
Tgt Ion:180 Resp: 418688

Ion Ratio Lower Upper

180 100

182 96.0 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

