

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
 Data File : VY003628.D
 Acq On : 01 Dec 2020 10:49
 Operator : SY/MD
 Sample : VSTD2.535
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5404

Quant Time: Dec 01 11:56:00 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	253792	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	235218	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118817	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9554	2.62	ug/L	0.00
7) Chloroethane-d5	2.76	69	7136	2.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	18345	2.61	ug/L	0.00
21) 2-Butanone-d5	6.90	46	6877	5.03	ug/L	0.00
24) Chloroform-d	7.48	84	17606	2.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	9499	2.55	ug/L	0.00
32) Benzene-d6	8.11	84	36658	2.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	11135	2.71	ug/L	0.00
41) Toluene-d8	10.18	98	31348	2.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4989	2.51	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	4825	4.71	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	10686	2.60	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	11363	2.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7933	2.616 ug/L	98
3) Chloromethane	2.11	50	8716	2.520 ug/L	98
5) Vinyl chloride	2.25	62	8778	2.375 ug/L	100
6) Bromomethane	2.66	94	5751	2.347 ug/L	91
8) Chloroethane	2.80	64	5752	2.605 ug/L	98
9) Trichlorofluoromethane	3.13	101	13534	2.422 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	9122	2.605 ug/L	97
12) 1,1-Dichloroethene	3.88	96	8937	2.711 ug/L	88
13) Acetone	3.95	43	5679	5.098 ug/L	88
14) Carbon disulfide	4.20	76	28196	2.511 ug/L	100
15) Methyl Acetate	4.49	43	4322	1.808 ug/L #	73
16) Methylene chloride	4.73	84	14688	2.904 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	6239	1.745 ug/L	93
18) Methyl tert-butyl Ether	5.22	73	21872	2.482 ug/L	98
19) 1,1-Dichloroethane	6.03	63	15970	2.566 ug/L	91
20) cis-1,2-Dichloroethene	7.00	96	9827	2.571 ug/L	94
22) 2-Butanone	7.00	43	9482	5.631 ug/L #	74
23) Bromochloromethane	7.34	128	4845	2.589 ug/L #	78
25) Chloroform	7.51	83	16329	2.611 ug/L	91
27) 1,2-Dichloroethane	8.25	62	10732	2.584 ug/L #	93
29) Cyclohexane	7.78	56	13439	2.371 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	13975	2.506 ug/L	98
31) Carbon tetrachloride	7.90	117	12285	2.431 ug/L	96
33) Benzene	8.17	78	37927	2.625 ug/L	100
34) Trichloroethene	8.94	95	9715	2.703 ug/L	96
35) Methylcyclohexane	9.18	83	15511	2.497 ug/L	98
37) 1,2-Dichloropropane	9.22	63	9379	2.582 ug/L #	97
38) Bromodichloromethane	9.50	83	12098	2.611 ug/L #	99
39) cis-1,3-Dichloropropene	9.93	75	13868	2.439 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	15245	4.751 ug/L	99

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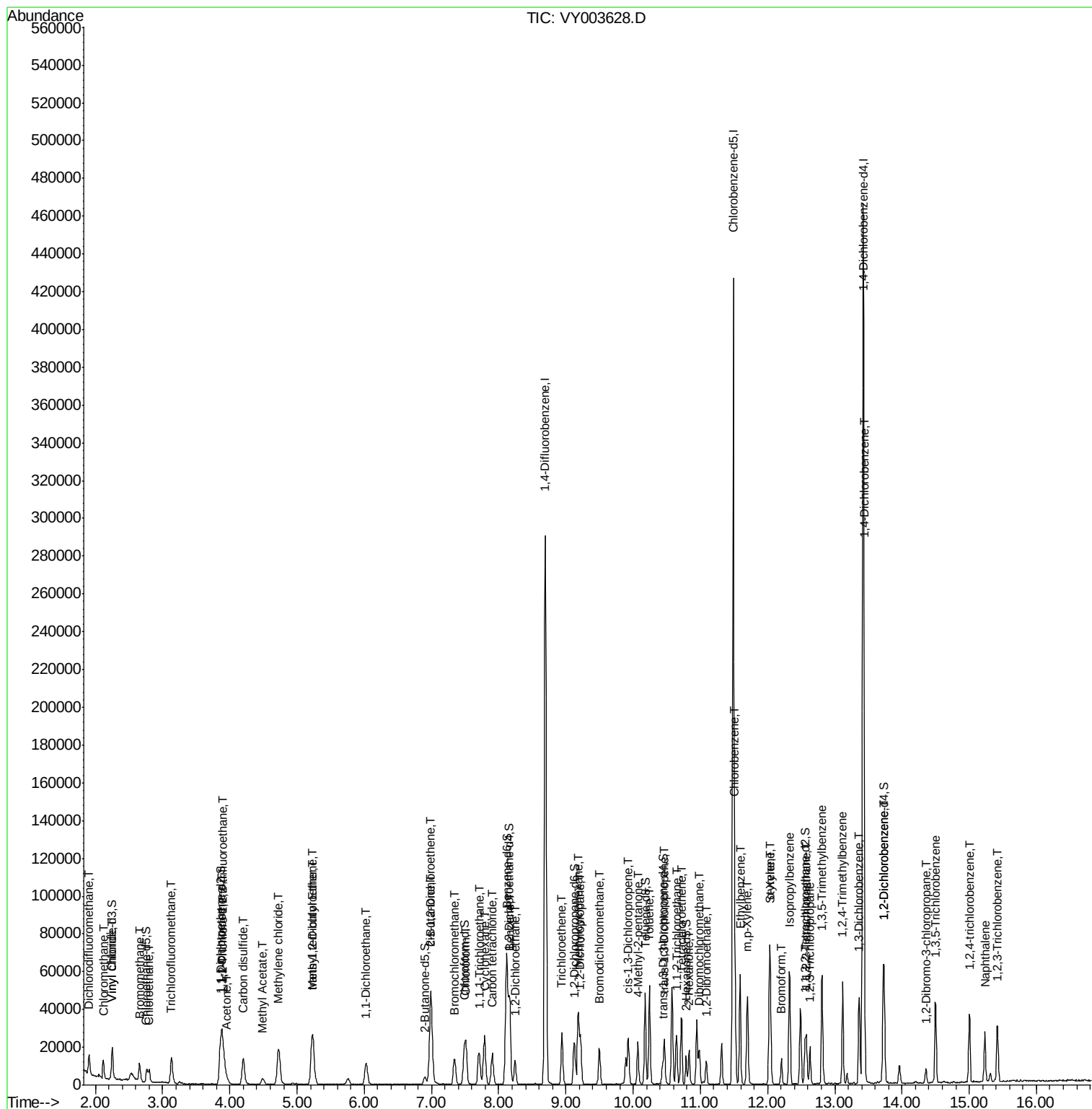
Quant Time: Dec 01 11:56:00 2020
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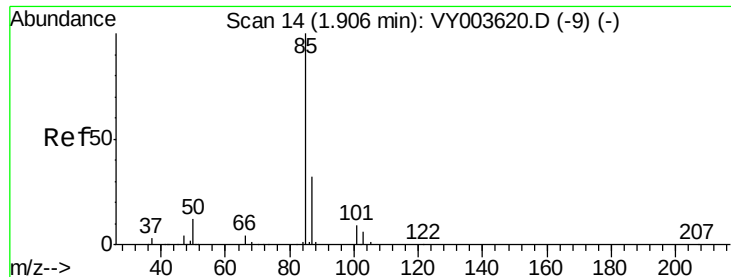
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	38453	2.517	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	12636	2.421	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	8014	2.651	ug/L	94
46) Tetrachloroethene	10.72	164	8151	2.606	ug/L	95
48) 2-Hexanone	10.83	43	10836	4.733	ug/L	97
49) Dibromochloromethane	10.98	129	8814	2.483	ug/L	96
50) 1,2-Dibromoethane	11.09	107	7811	2.687	ug/L	92
51) Chlorobenzene	11.51	112	25618	2.641	ug/L	99
52) Ethylbenzene	11.59	91	39584	2.413	ug/L	98
53) m,p-Xylene	11.70	106	15604	2.482	ug/L	95
54) o-Xylene	12.03	106	14426	2.411	ug/L	95
55) Styrene	12.04	104	23963	2.336	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	10068	2.522	ug/L	96
59) Bromoform	12.21	173	5942	2.510	ug/L #	94
60) Isopropylbenzene	12.32	105	36750	2.353	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	7235	2.547	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	27907	2.271	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	27841	2.306	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	18783	2.533	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	19685	2.593	ug/L	91
67) 1,2-Dichlorobenzene	13.73	146	18070	2.627	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	1694	2.625	ug/L	93
69) 1,3,5-Trichlorobenzene	14.49	180	13514	2.635	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	11009	2.493	ug/L	98
71) Naphthalene	15.23	128	21655	2.355	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	9922	2.450	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 2.616 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

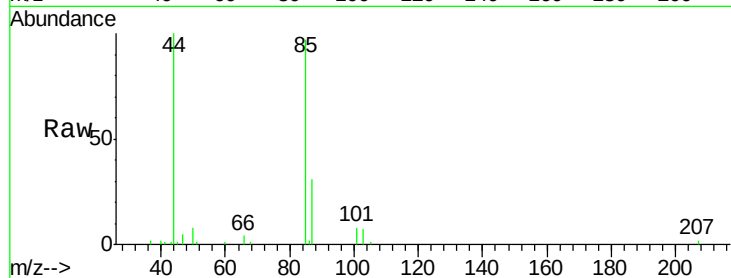
VSTD2.5404

Tgt Ion: 85 Resp: 7933

Ion Ratio Lower Upper

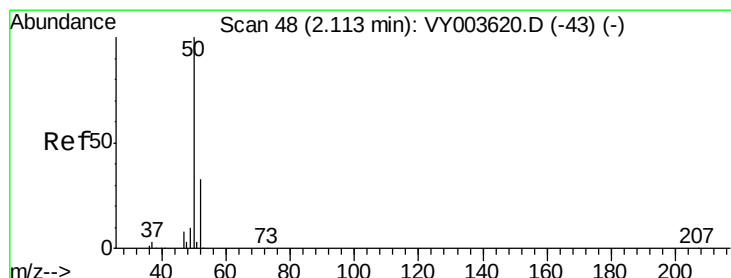
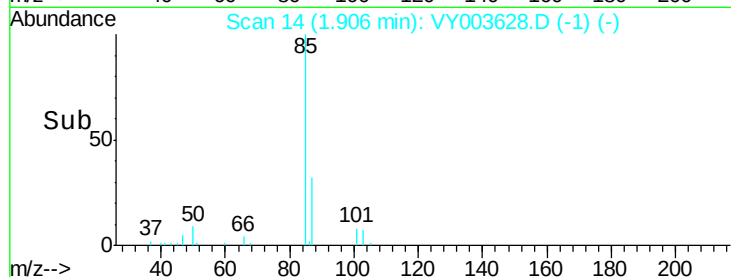
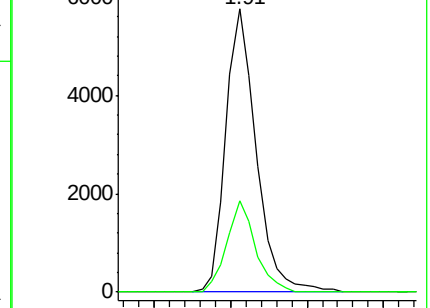
85 100

87 30.5 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: 2.520 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003628.D

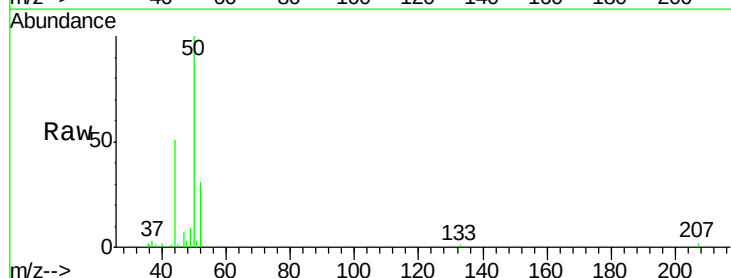
Acq: 01 Dec 2020 10:49

Tgt Ion: 50 Resp: 8716

Ion Ratio Lower Upper

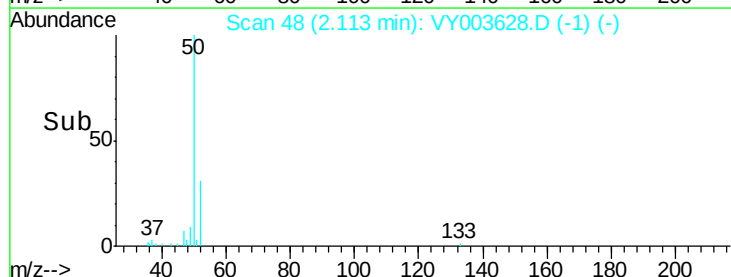
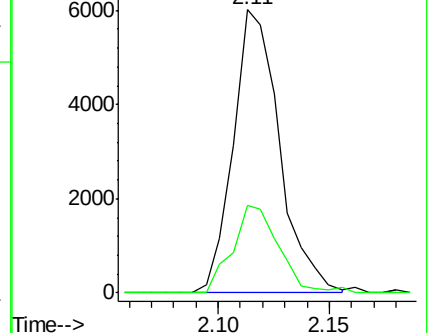
50 100

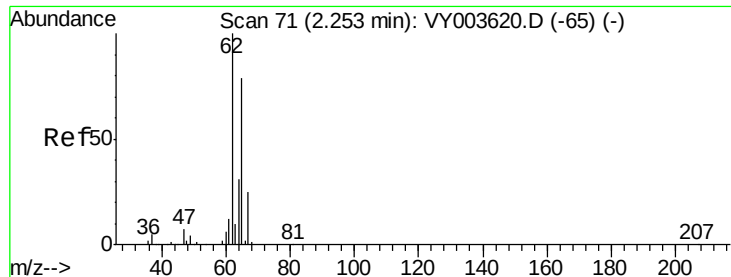
52 31.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 2.375 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

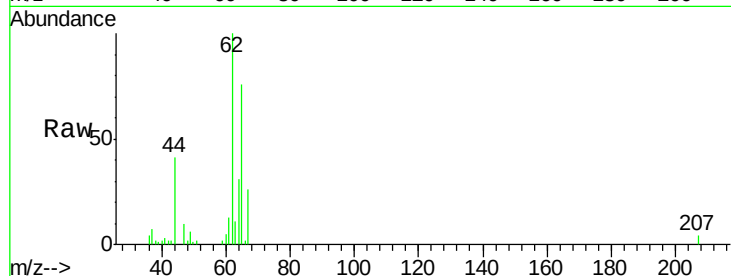
VSTD2.5404

Tgt Ion: 62 Resp: 8778

Ion Ratio Lower Upper

62 100

64 31.1 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.25

6000

5000

4000

3000

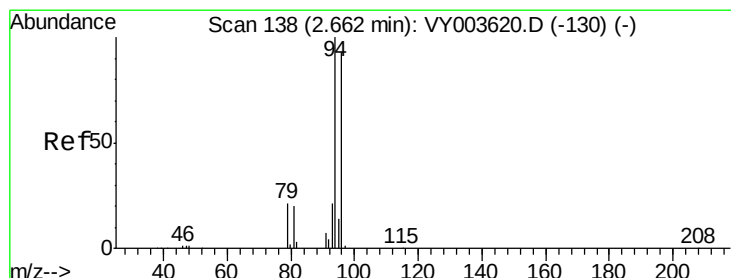
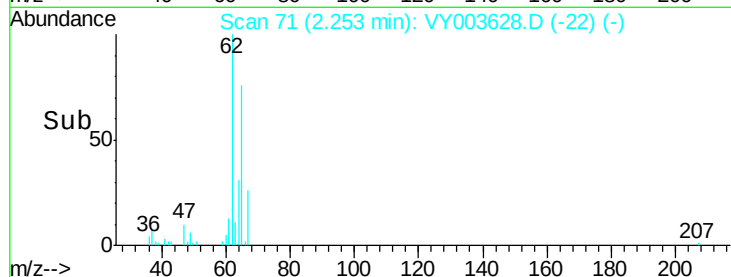
2000

1000

0

Time-->

2.20 2.25 2.30



#6

Bromomethane

Concen: 2.347 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003628.D

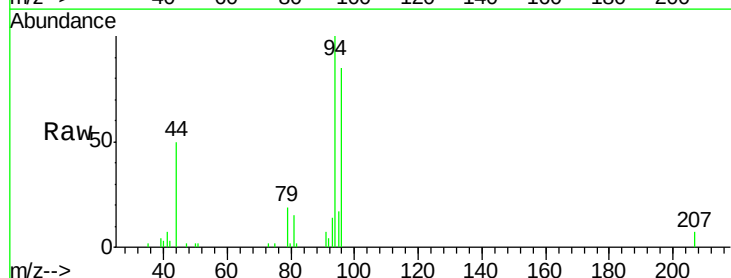
Acq: 01 Dec 2020 10:49

Tgt Ion: 94 Resp: 5751

Ion Ratio Lower Upper

94 100

96 84.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

3000

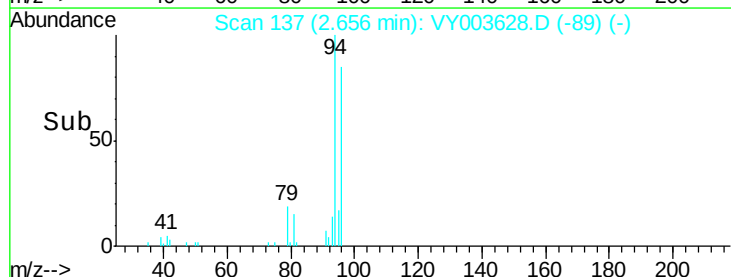
2000

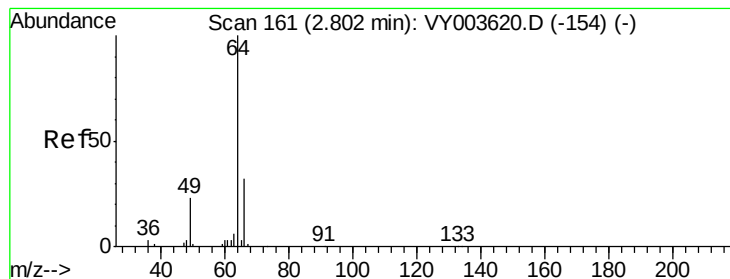
1000

0

Time-->

2.60 2.65 2.70





#8

Chloroethane

Concen: 2.605 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

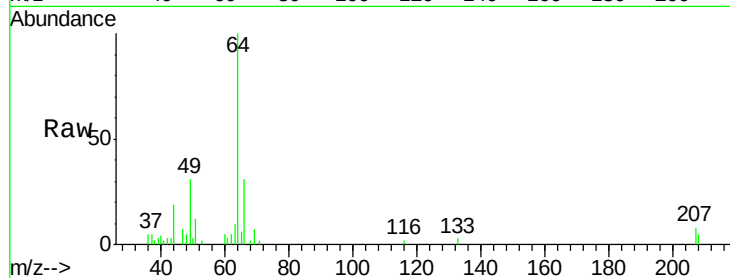
VSTD2.5404

Tgt Ion: 64 Resp: 5752

Ion Ratio Lower Upper

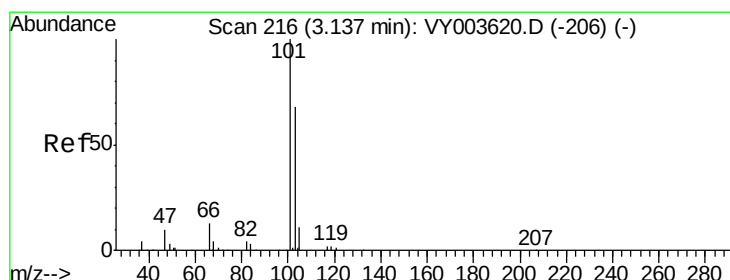
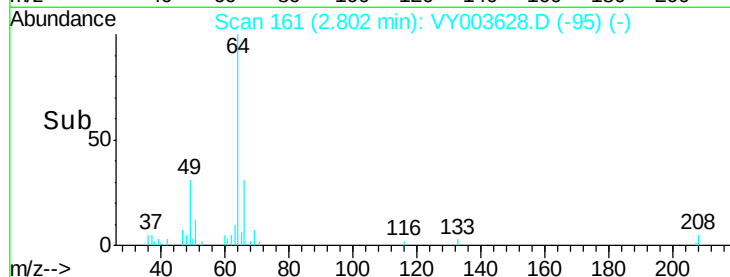
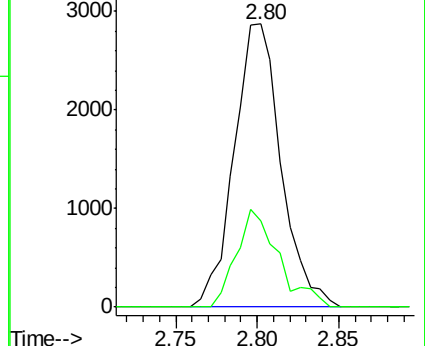
64 100

66 30.7 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: 2.422 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003628.D

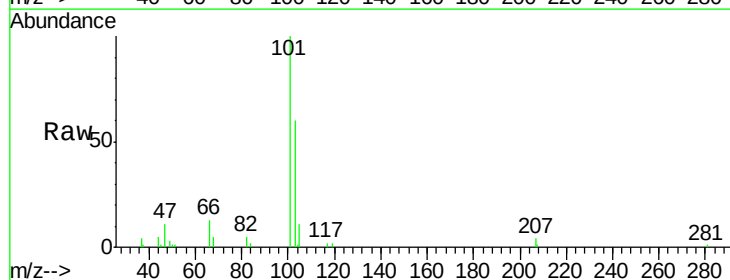
Acq: 01 Dec 2020 10:49

Tgt Ion: 101 Resp: 13534

Ion Ratio Lower Upper

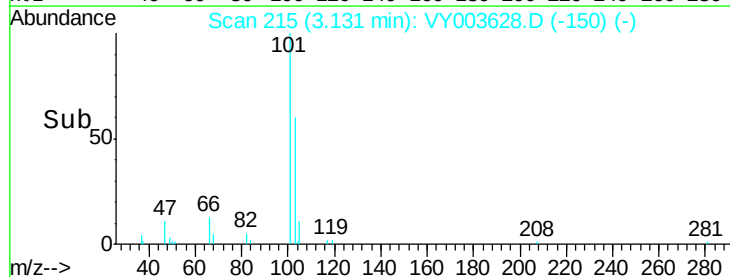
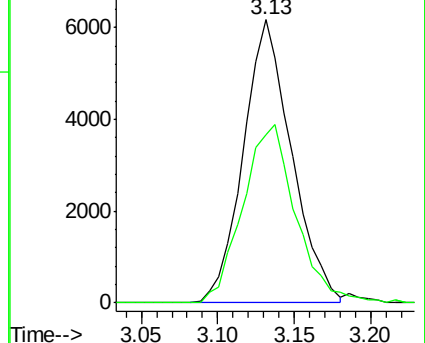
101 100

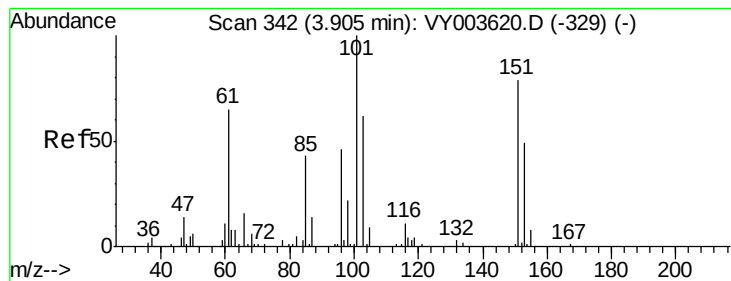
103 69.0 51.9 77.9



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: 2.605 ug/L

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

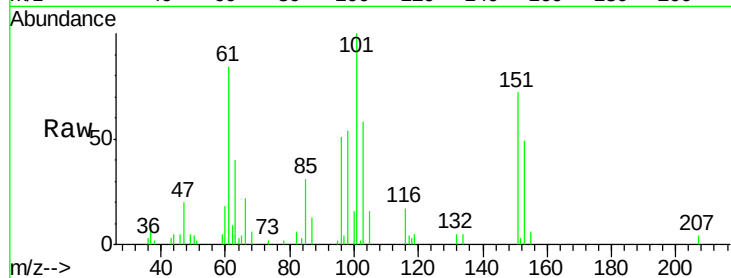
Tgt Ion: 101 Resp: 9122

Ion Ratio Lower Upper

101 100

85 42.9 35.6 53.4

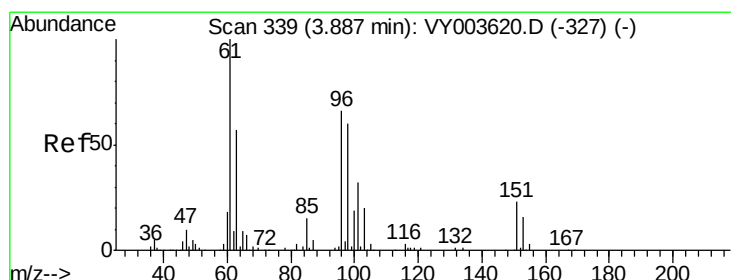
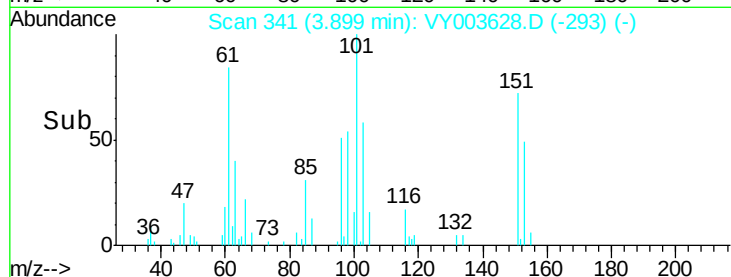
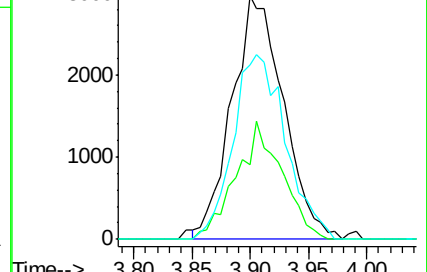
151 77.4 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003620.D (-329) (-)

Ion 85.00 (84.70 to 85.70): VY003620.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003620.D (-329) (-)



#12

1,1-Dichloroethene

Concen: 2.711 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

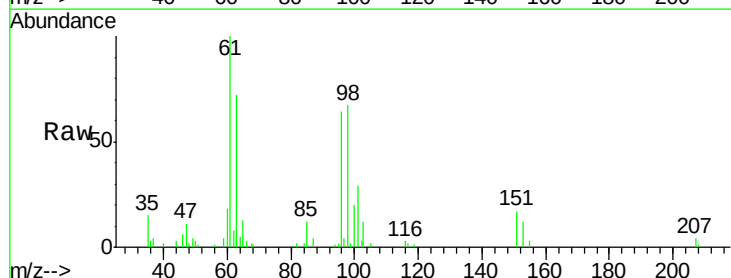
Tgt Ion: 96 Resp: 8937

Ion Ratio Lower Upper

96 100

61 157.4 106.1 197.1

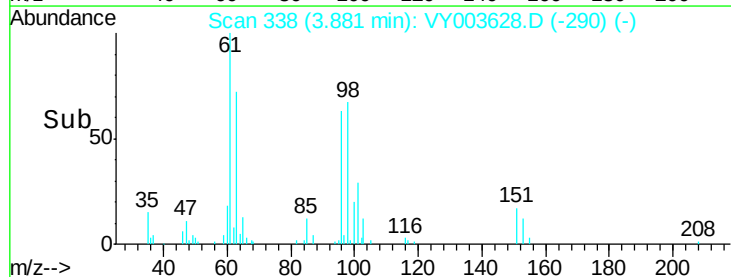
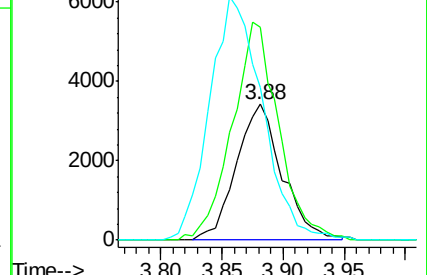
63 112.5 62.9 116.9

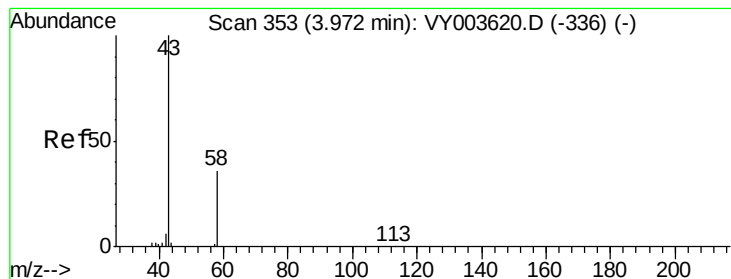


Abundance Ion 96.00 (95.70 to 96.70): VY003620.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003620.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003620.D (-327) (-)





#13

Acetone

Concen: 5.098 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.02 min

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Acq: 01 Dec 2020 10:49

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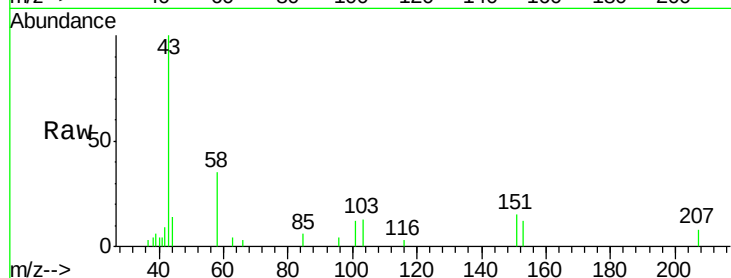
VSTD2.5404

Tgt Ion: 43 Resp: 5679

Ion Ratio Lower Upper

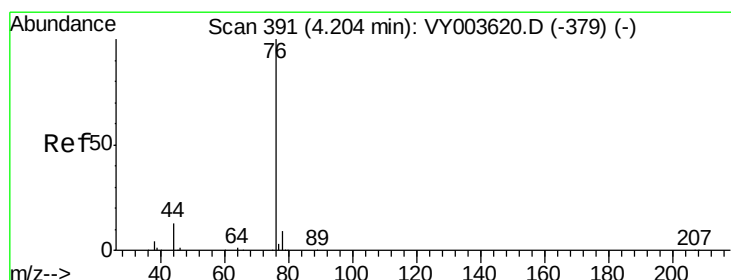
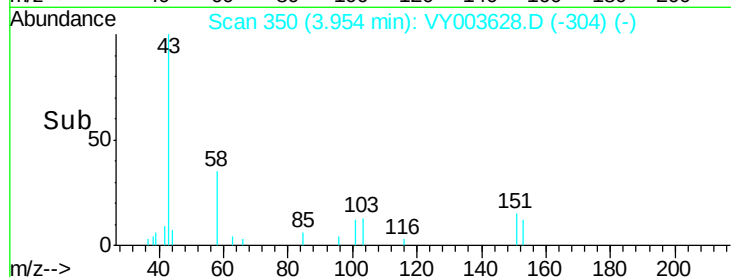
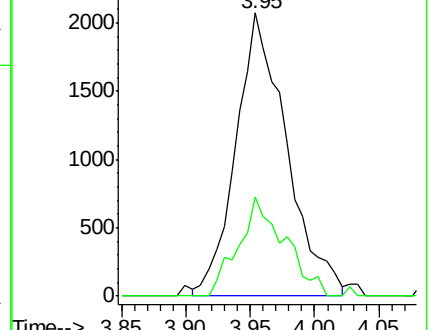
43 100

58 24.0 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003628.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY003628.D (-350) (-)



#14

Carbon disulfide

Concen: 2.511 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY003628.D

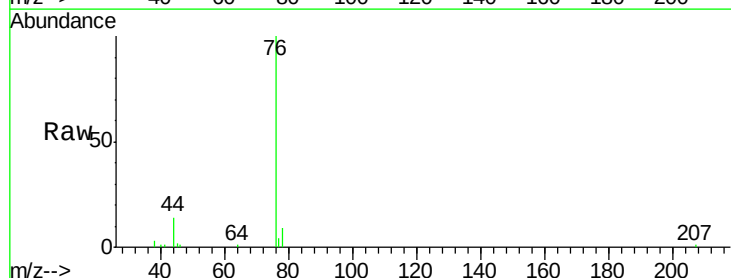
Acq: 01 Dec 2020 10:49

Tgt Ion: 76 Resp: 28196

Ion Ratio Lower Upper

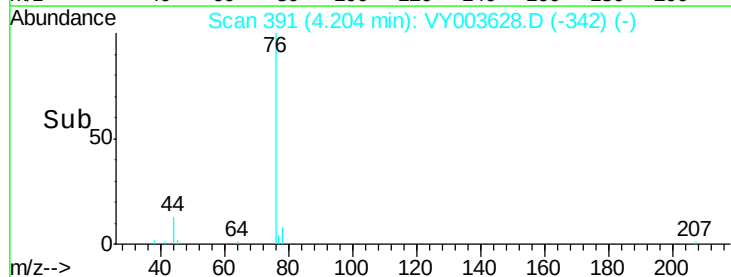
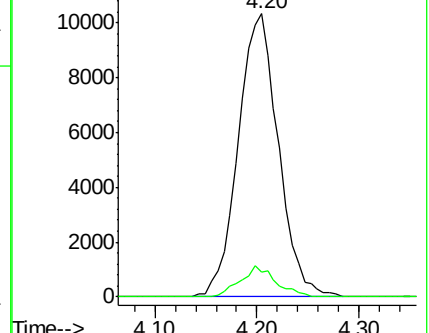
76 100

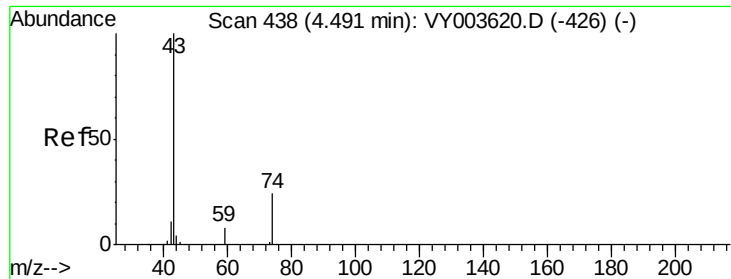
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003628.D (-391) (-)

Ion 78.00 (77.70 to 78.70): VY003628.D (-391) (-)

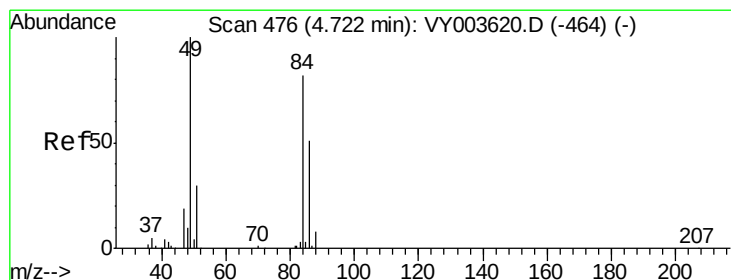
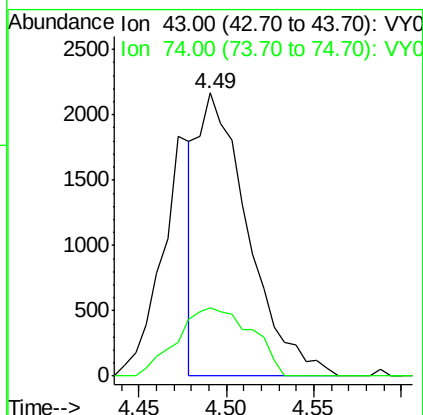
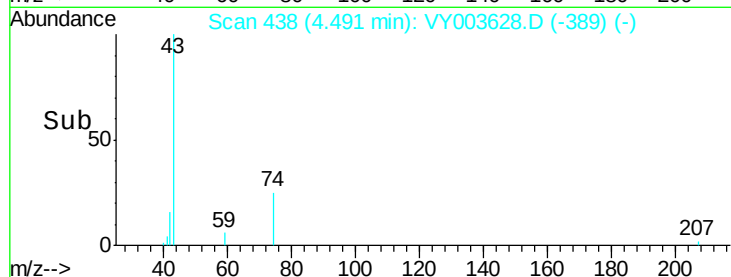
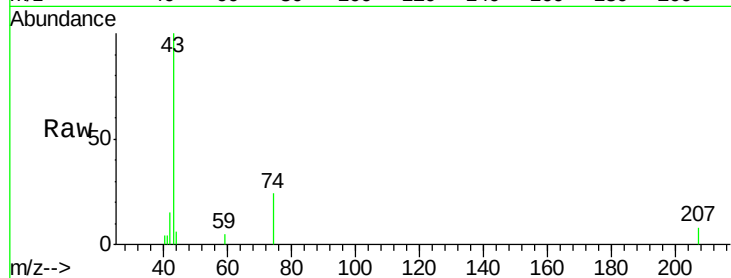




#15
Methyl Acetate
Concen: 1.808 ug/L
RT: 4.49 min Scan# 438
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

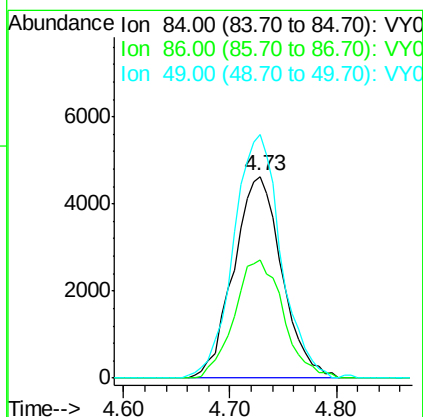
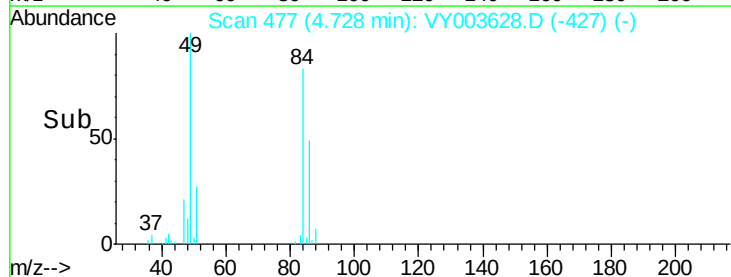
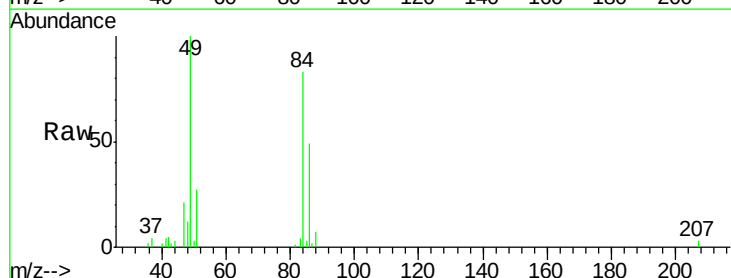
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

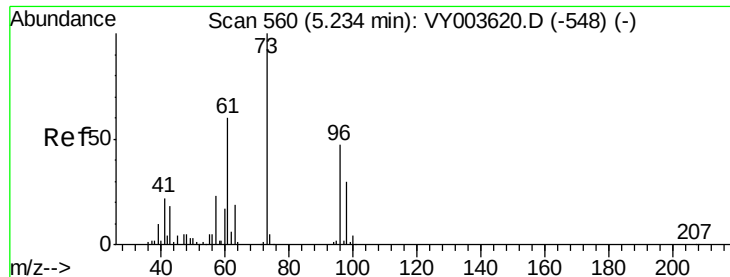
Tgt Ion: 43 Resp: 4322
Ion Ratio Lower Upper
43 100
74 35.9 18.2 27.2#



#16
Methylene chloride
Concen: 2.904 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion: 84 Resp: 14688
Ion Ratio Lower Upper
84 100
86 58.8 43.3 80.3
49 120.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 1.745 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampled :

VSTD2.5404

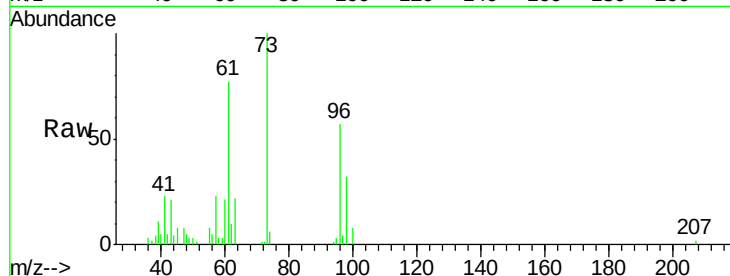
Tgt Ion: 96 Resp: 6239

Ion Ratio Lower Upper

96 100

61 134.4 89.5 166.1

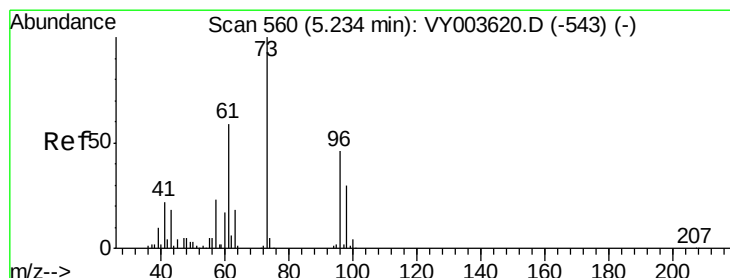
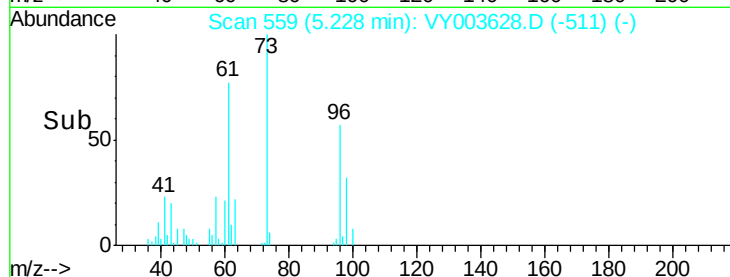
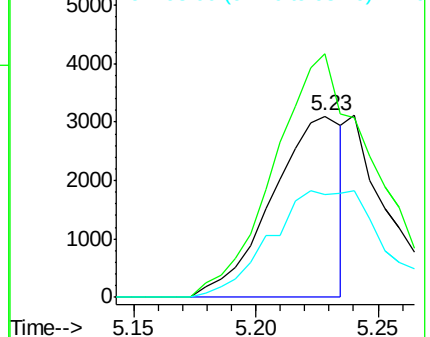
98 56.5 45.5 84.5



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: 2.482 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

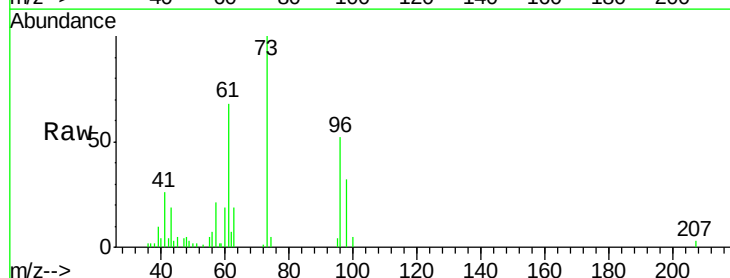
Tgt Ion: 73 Resp: 21872

Ion Ratio Lower Upper

73 100

43 17.6 15.2 22.8

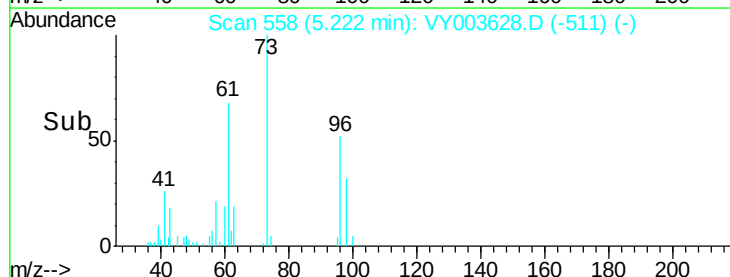
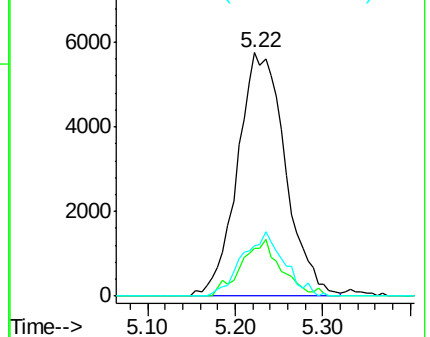
57 22.4 18.1 27.1

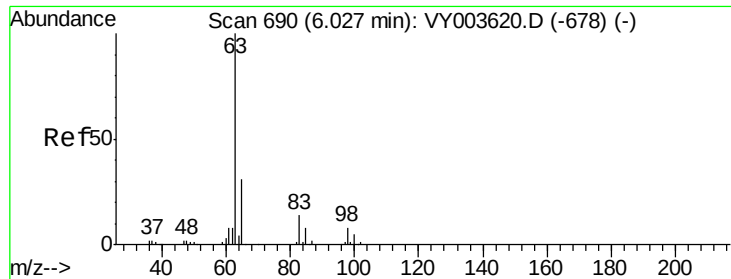


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

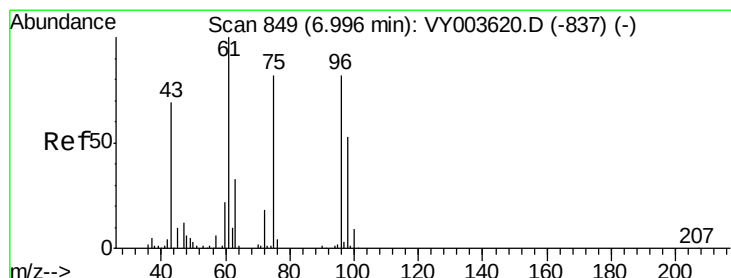
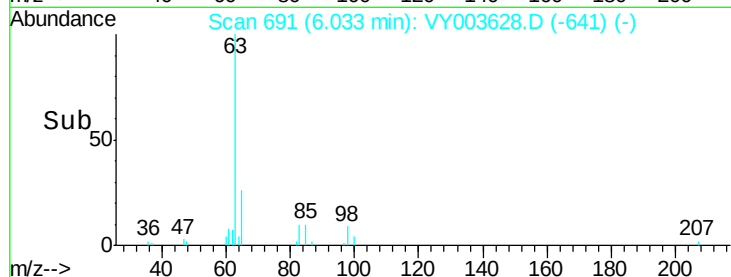
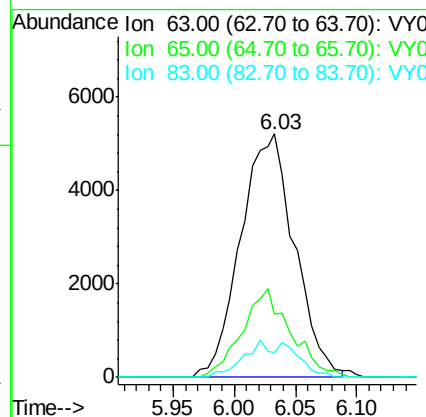
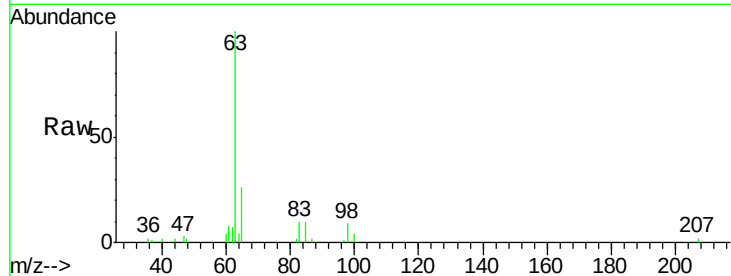




#19
 1,1-Dichloroethane
 Concen: 2.566 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

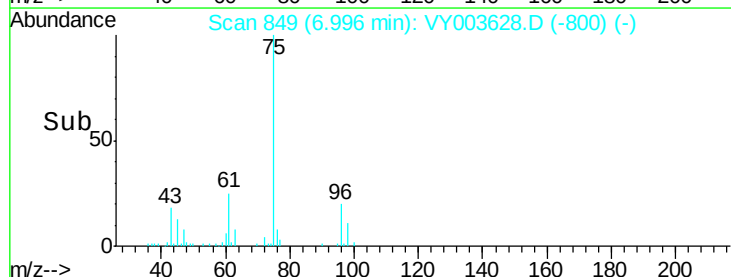
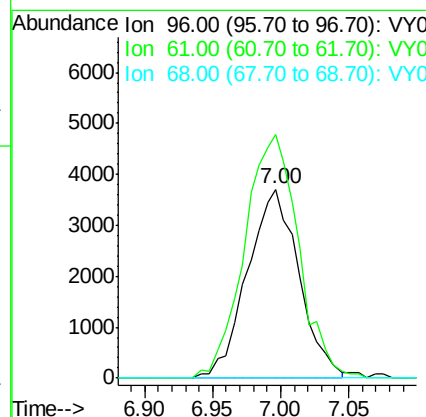
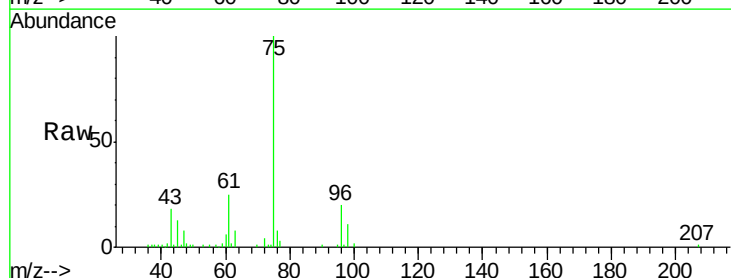
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5404

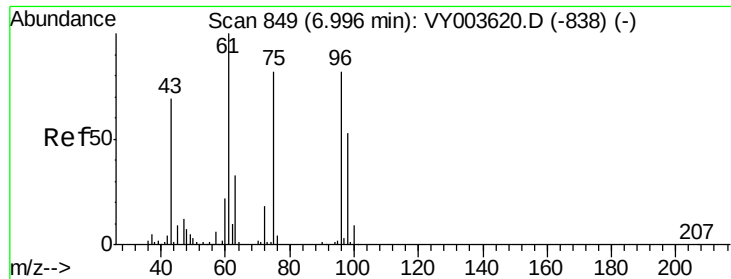
Tgt Ion: 63 Resp: 15970
 Ion Ratio Lower Upper
 63 100
 65 26.0 21.9 40.7
 83 9.9 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.571 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

Tgt Ion: 96 Resp: 9827
 Ion Ratio Lower Upper
 96 100
 61 128.9 85.8 159.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.631 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

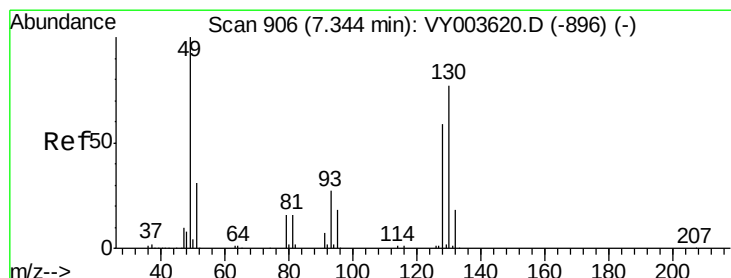
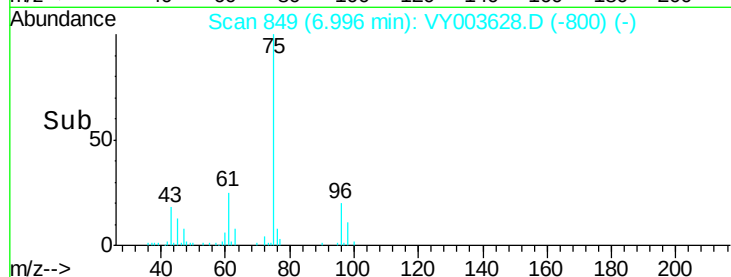
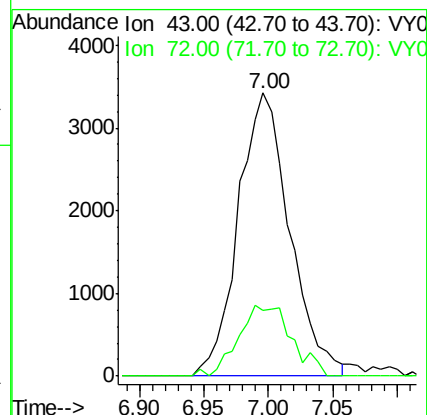
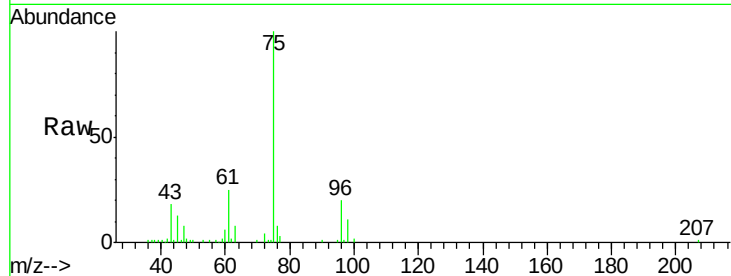
VSTD2.5404

Tgt Ion: 43 Resp: 9482

Ion Ratio Lower Upper

43 100

72 13.3 13.5 40.5#



#23

Bromochloromethane

Concen: 2.589 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Tgt Ion: 128 Resp: 4845

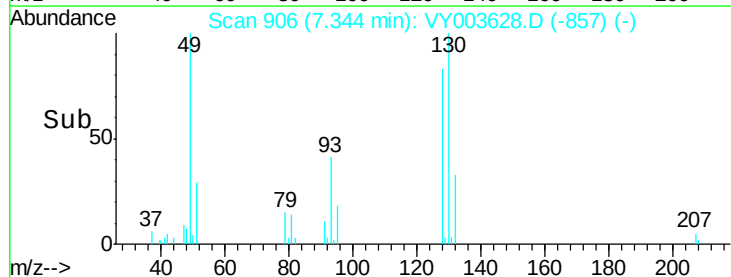
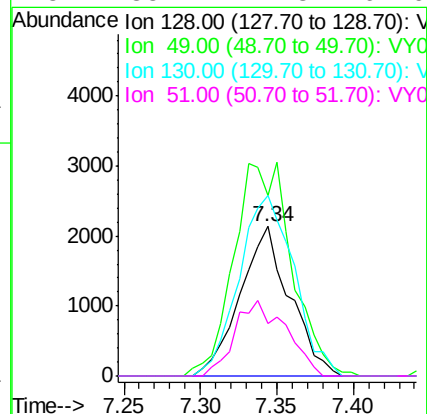
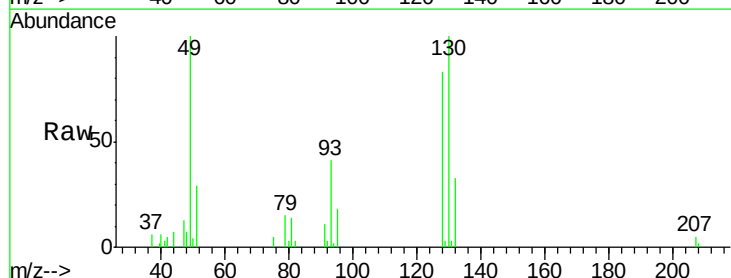
Ion Ratio Lower Upper

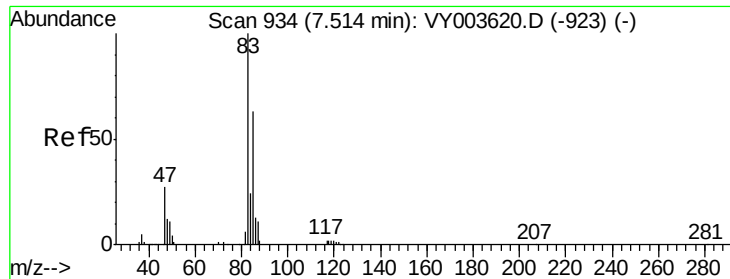
128 100

49 120.4 118.1 219.3

130 124.4 90.5 168.1

51 35.1 41.3 61.9#

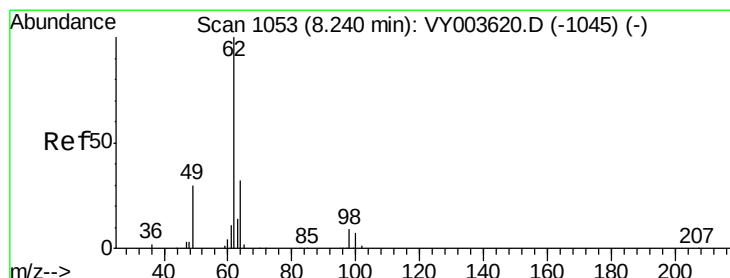
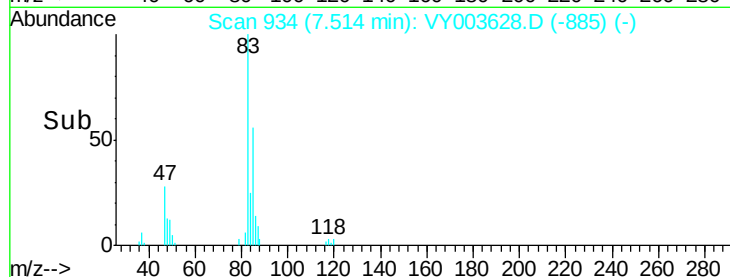
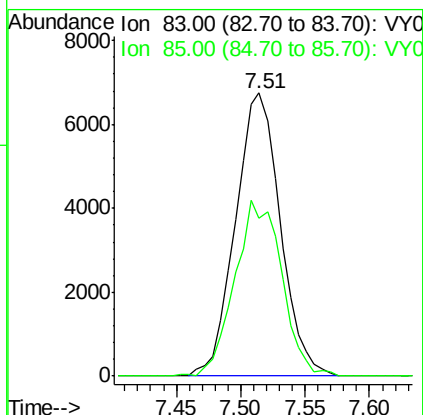
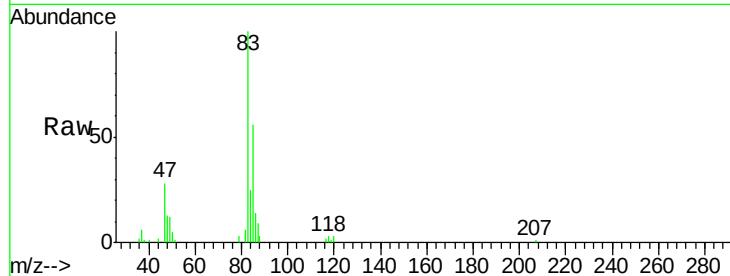




#25
Chloroform
Concen: 2.611 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

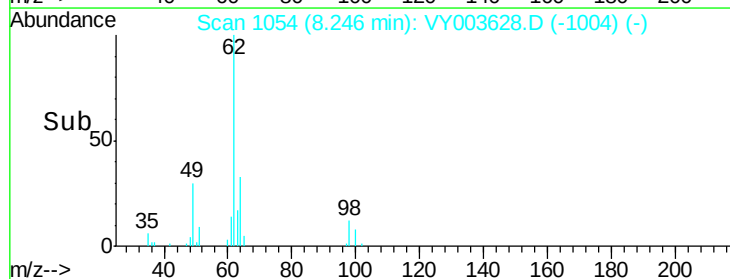
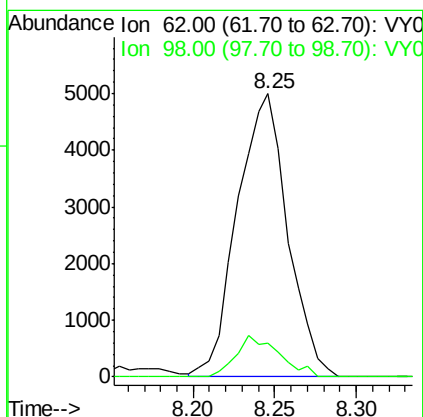
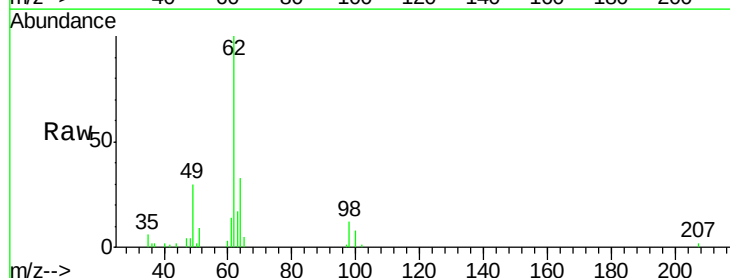
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

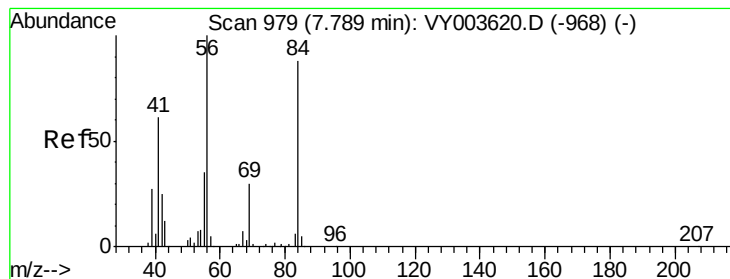
Tgt Ion: 83 Resp: 16329
Ion Ratio Lower Upper
83 100
85 56.0 44.4 82.4



#27
1,2-Dichloroethane
Concen: 2.584 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion: 62 Resp: 10732
Ion Ratio Lower Upper
62 100
98 12.0 7.5 11.3#





#29

Cyclohexane

Concen: 2.371 ug/L

RT: 7.78 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

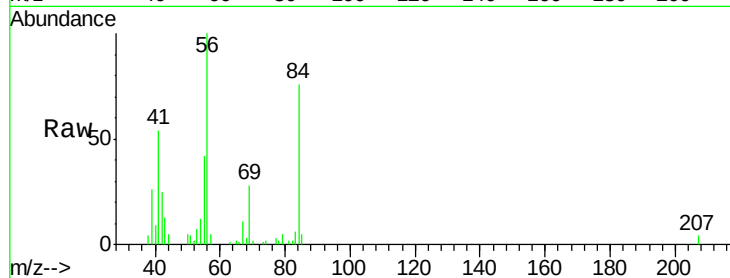
Tgt Ion: 56 Resp: 13439

Ion Ratio Lower Upper

56 100

69 30.9 23.9 35.9

84 89.9 71.9 107.9

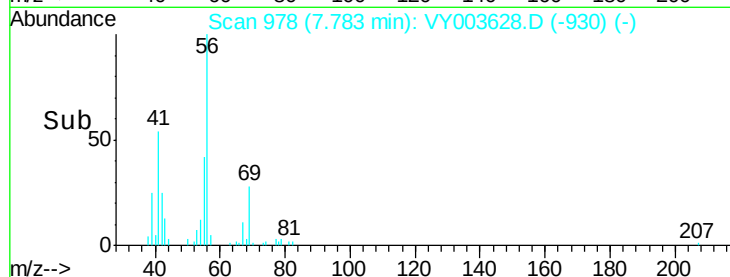


Abundance Ion 56.00 (55.70 to 56.70): VY003628.D (-930) (-)

Ion 69.00 (68.70 to 69.70): VY003628.D (-930) (-)

Ion 84.00 (83.70 to 84.70): VY003628.D (-930) (-)

Time-->



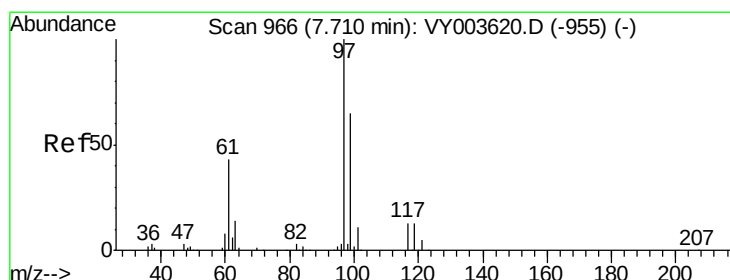
Abundance

Ion 56.00 (55.70 to 56.70): VY003628.D (-930) (-)

Ion 69.00 (68.70 to 69.70): VY003628.D (-930) (-)

Ion 84.00 (83.70 to 84.70): VY003628.D (-930) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 2.506 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

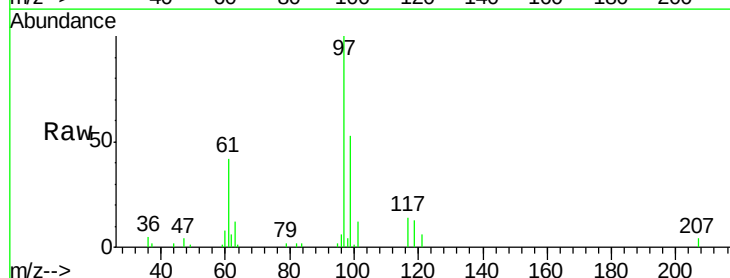
Tgt Ion: 97 Resp: 13975

Ion Ratio Lower Upper

97 100

99 62.0 50.6 76.0

61 44.4 34.3 51.5

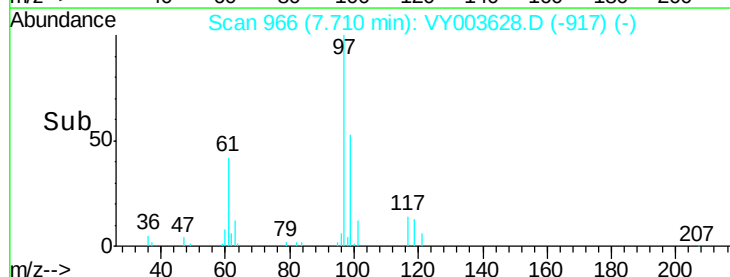


Abundance Ion 97.00 (96.70 to 97.70): VY003628.D (-917) (-)

Ion 99.00 (98.70 to 99.70): VY003628.D (-917) (-)

Ion 61.05 (60.75 to 61.75): VY003628.D (-917) (-)

Time-->



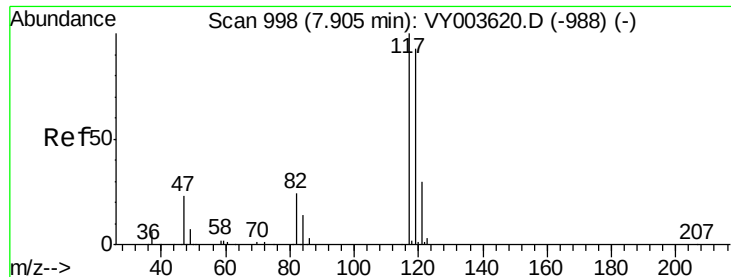
Abundance

Ion 97.00 (96.70 to 97.70): VY003628.D (-917) (-)

Ion 99.00 (98.70 to 99.70): VY003628.D (-917) (-)

Ion 61.05 (60.75 to 61.75): VY003628.D (-917) (-)

Time-->



#31

Carbon tetrachloride

Concen: 2.431 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

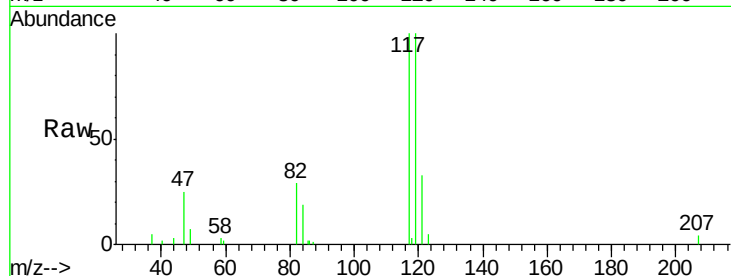
VSTD2.5404

Tgt Ion:117 Resp: 12285

Ion Ratio Lower Upper

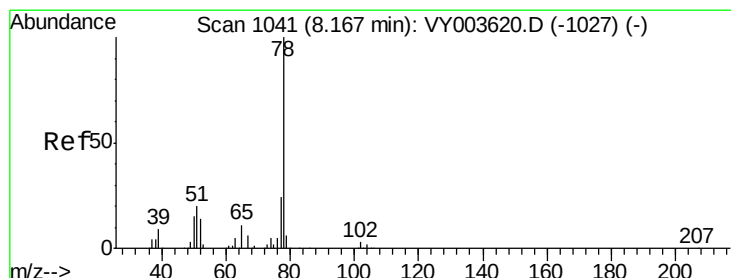
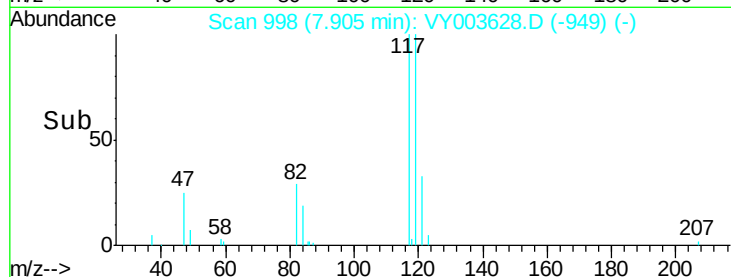
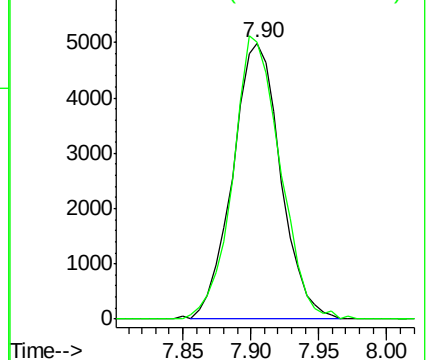
117 100

119 100.9 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: 2.625 ug/L

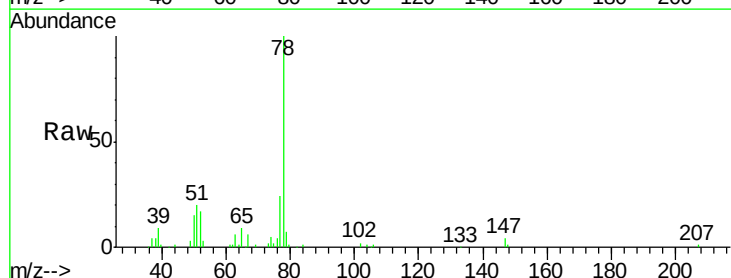
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

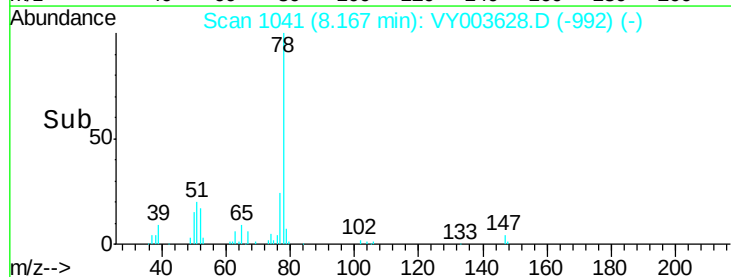
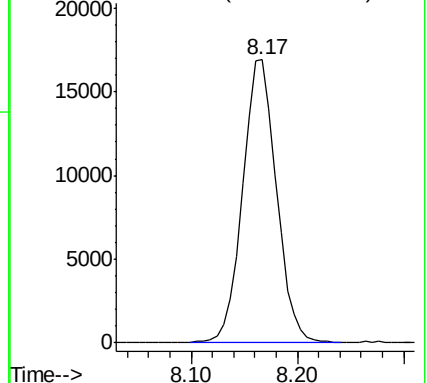
Lab File: VY003628.D

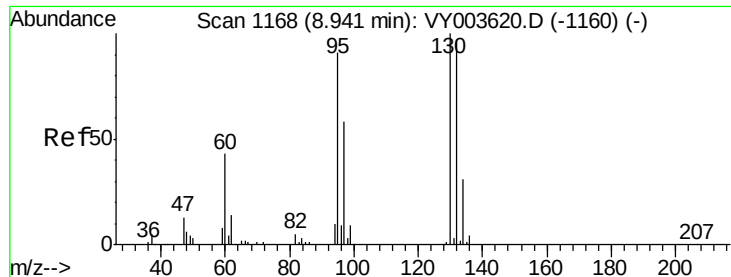
Acq: 01 Dec 2020 10:49

Tgt Ion: 78 Resp: 37927



Abundance Ion 78.00 (77.70 to 78.70): VY0

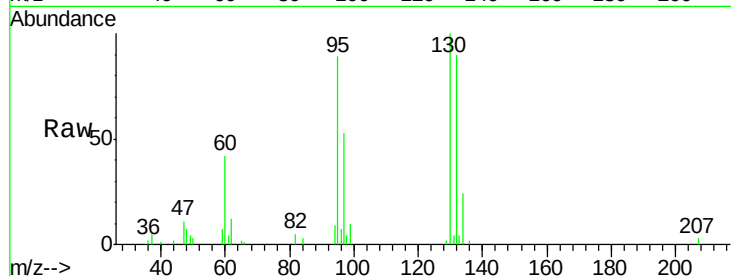




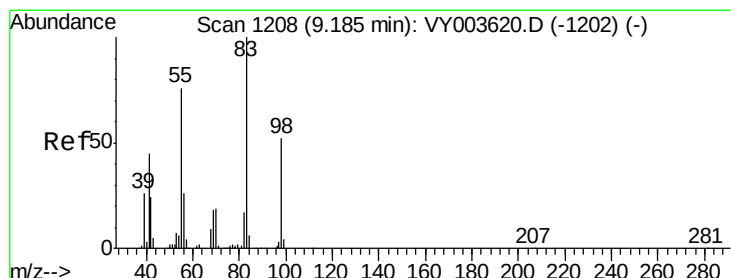
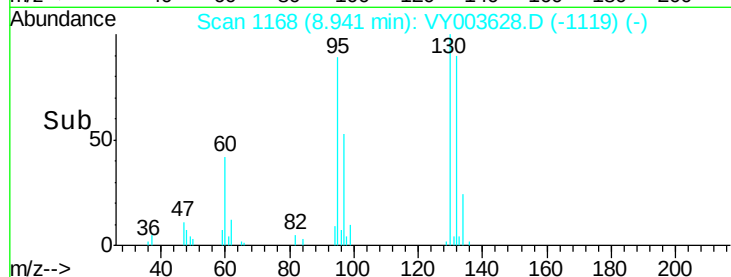
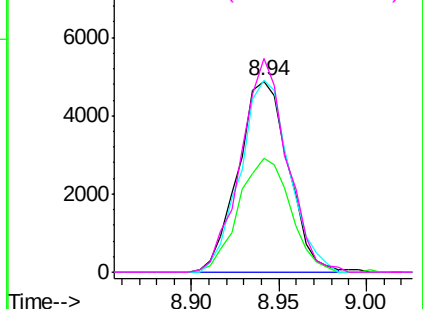
#34
 Trichloroethene
 Concen: 2.703 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5404

Tgt Ion:	95	Resp:	9715
Ion	Ratio	Lower	Upper
95	100		
97	59.6	44.7	83.1
132	100.6	74.7	138.7
130	111.8	76.8	142.6

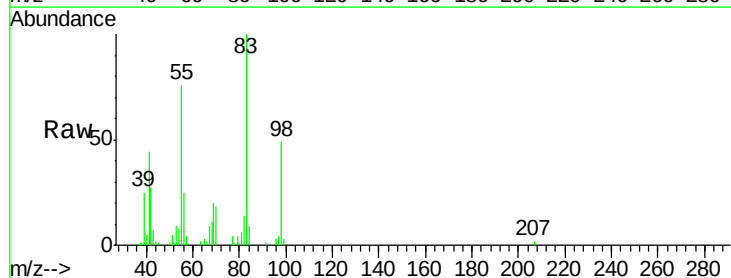


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

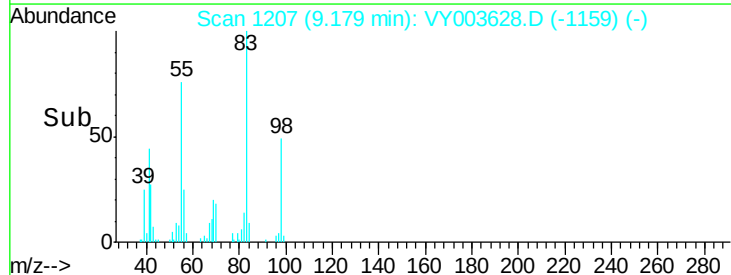
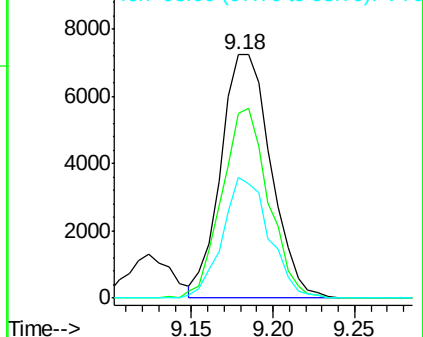


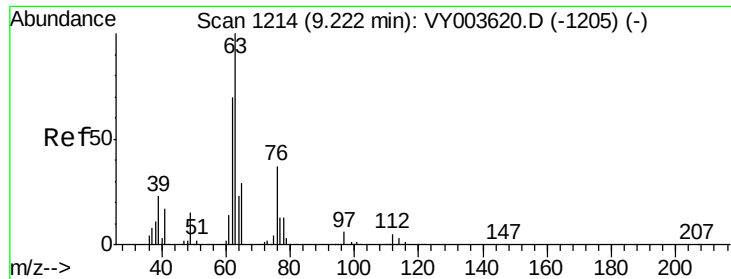
#35
 Methylcyclohexane
 Concen: 2.497 ug/L
 RT: 9.18 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

Tgt Ion:	83	Resp:	15511
Ion	Ratio	Lower	Upper
83	100		
55	72.4	58.3	87.5
98	46.1	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

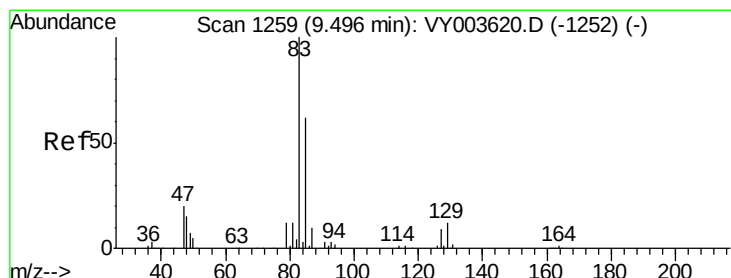
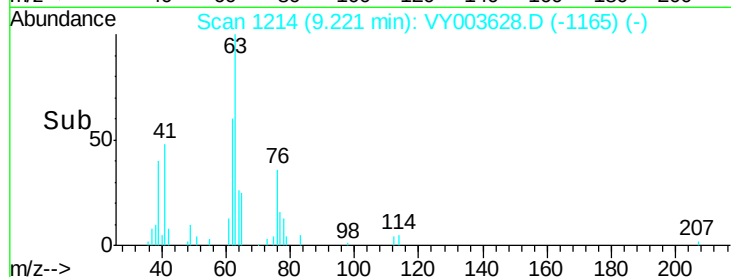
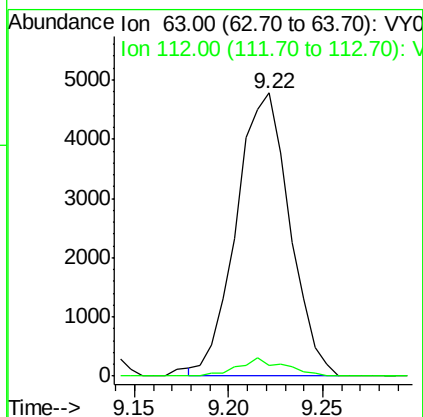
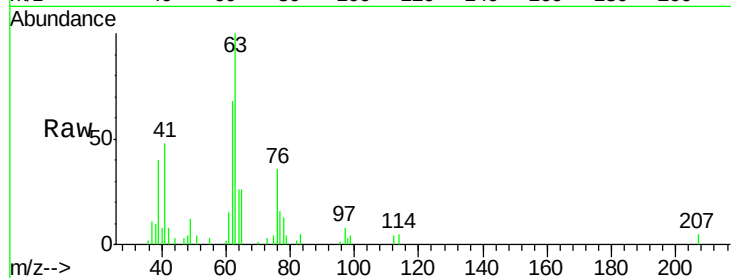




#37
 1,2-Dichloropropane
 Concen: 2.582 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

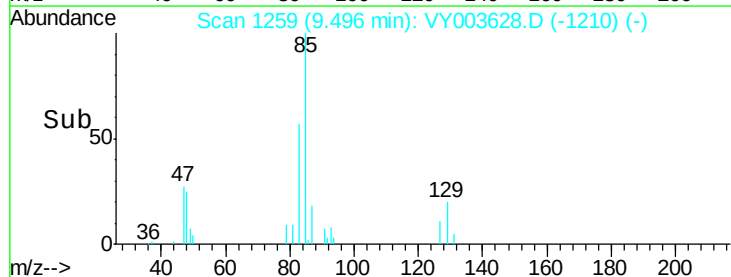
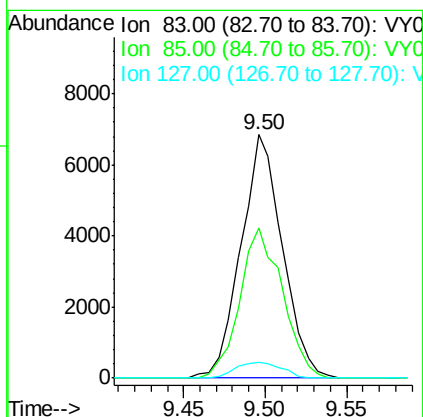
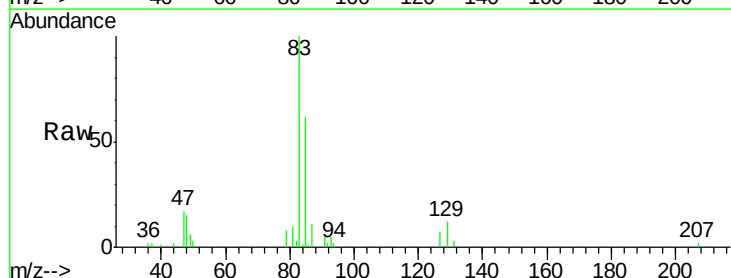
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD2.5404

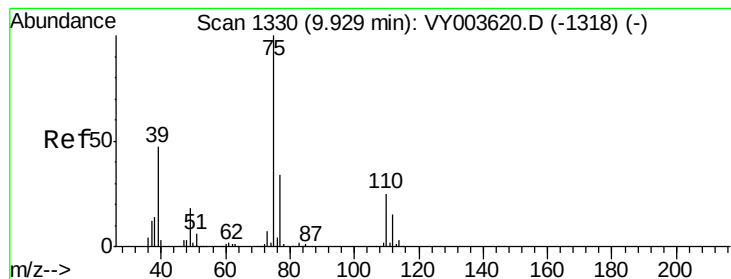
Tgt Ion: 63 Resp: 9379
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 2.611 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

Tgt Ion: 83 Resp: 12098
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.1 80.1
 127 6.5 7.1 10.7#





#39

cis-1,3-Dichloropropene

Concen: 2.439 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

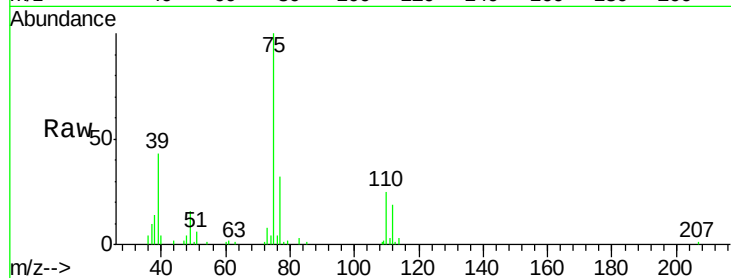
VSTD2.5404

Tgt Ion: 75 Resp: 13868

Ion Ratio Lower Upper

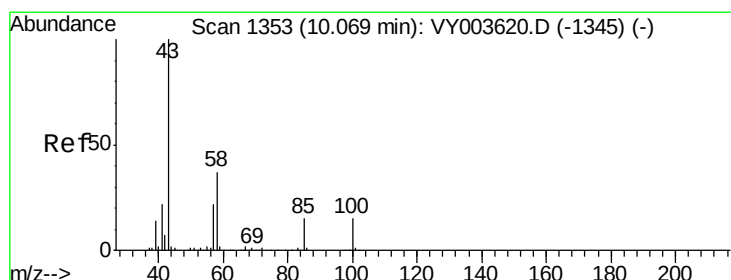
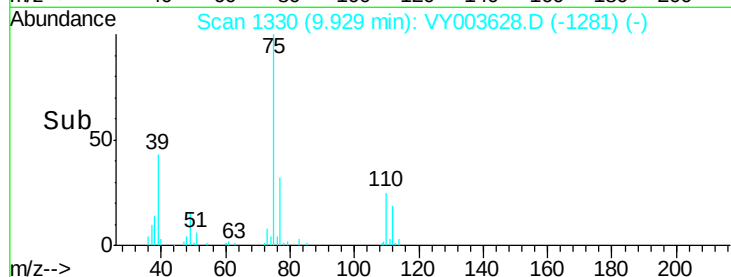
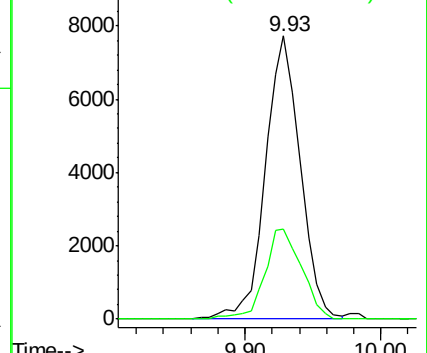
75 100

77 31.9 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 4.751 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

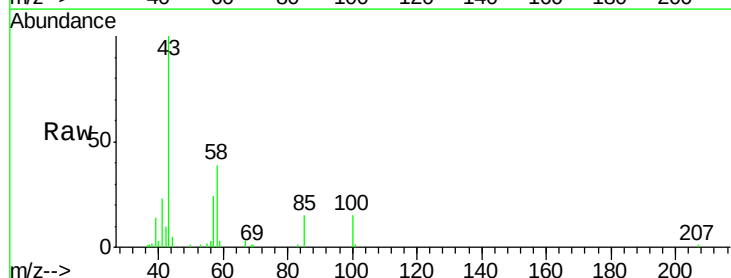
Tgt Ion: 43 Resp: 15245

Ion Ratio Lower Upper

43 100

58 38.9 30.7 46.1

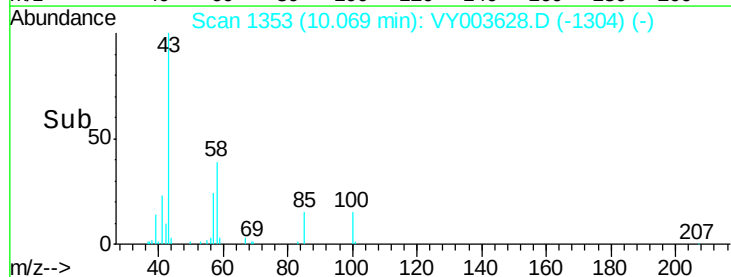
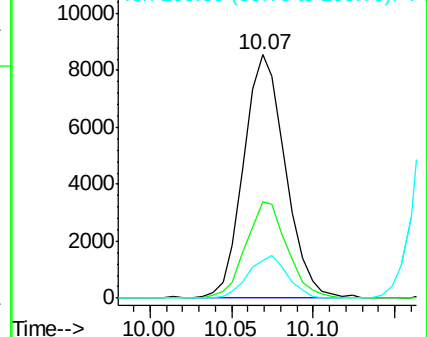
100 16.2 12.1 18.1

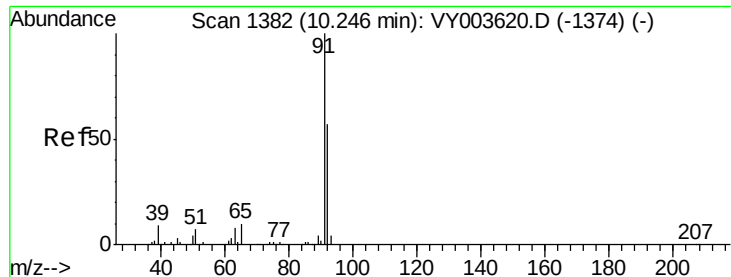


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 2.517 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

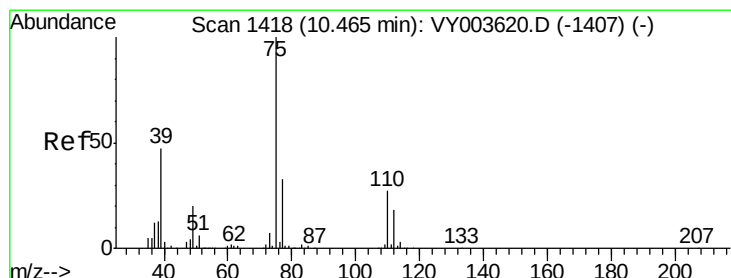
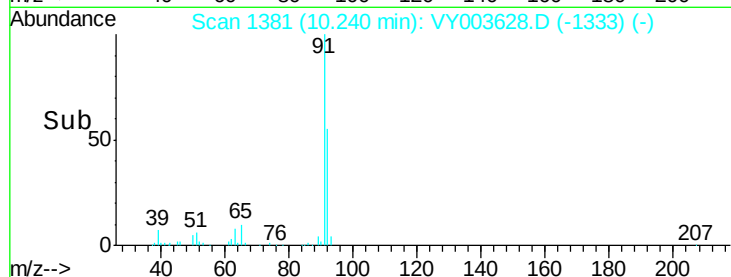
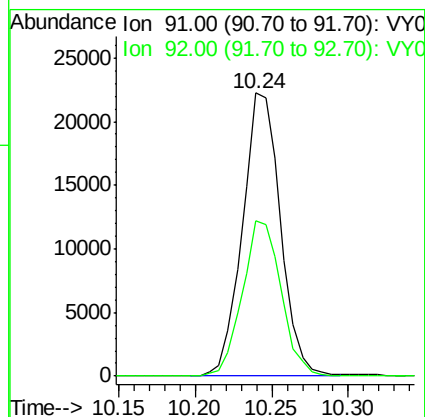
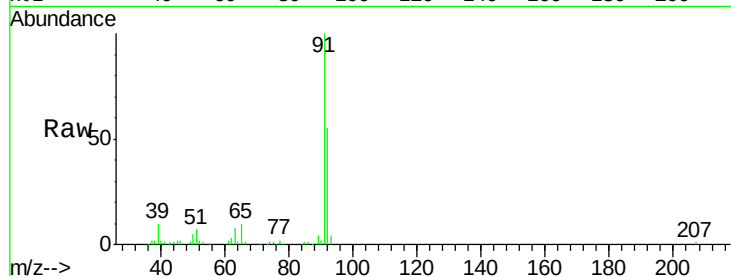
VSTD2.5404

Tgt Ion: 91 Resp: 38453

Ion Ratio Lower Upper

91 100

92 55.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.421 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003628.D

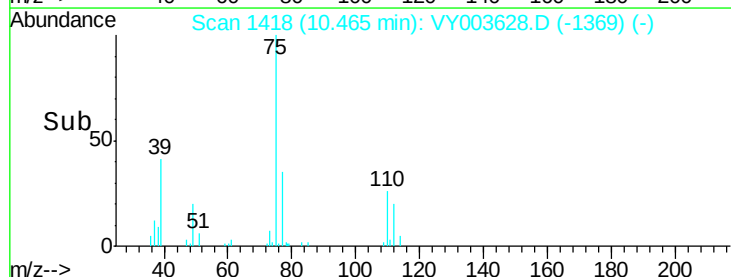
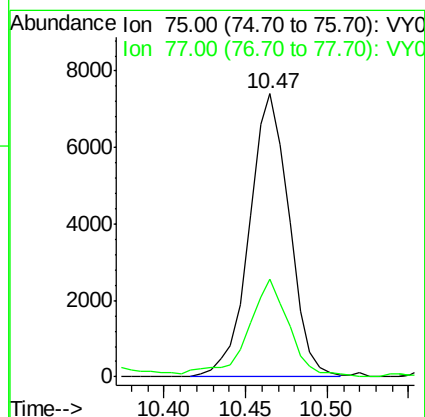
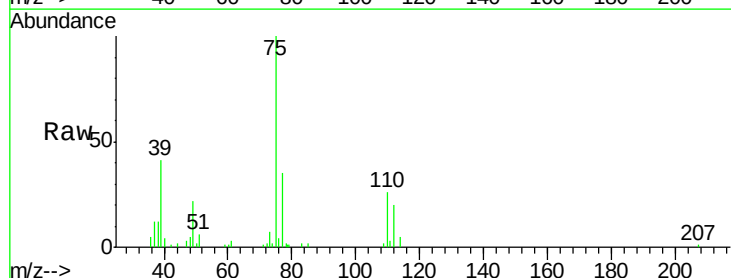
Acq: 01 Dec 2020 10:49

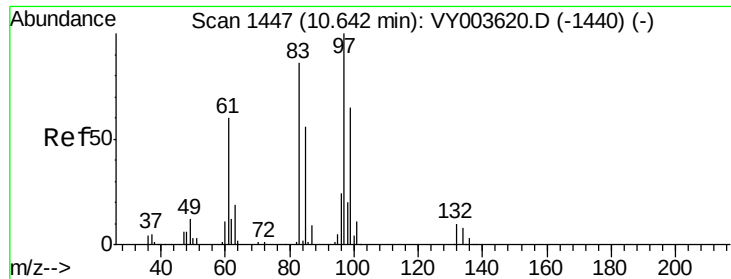
Tgt Ion: 75 Resp: 12636

Ion Ratio Lower Upper

75 100

77 34.6 22.9 42.5

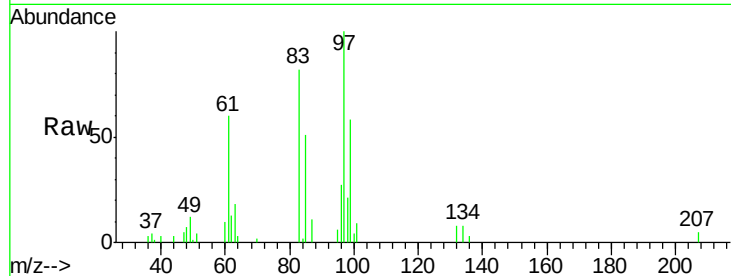




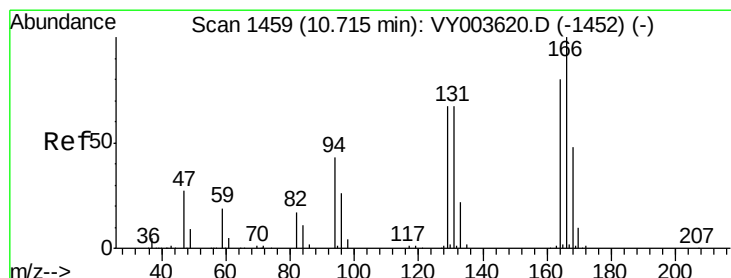
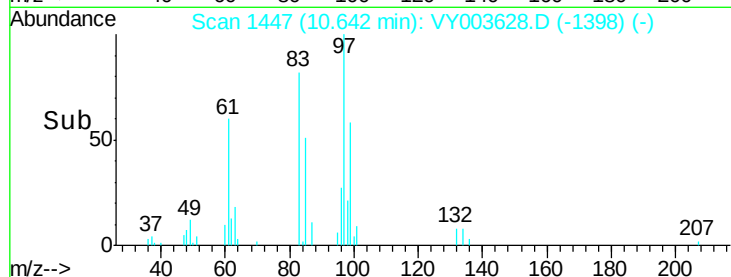
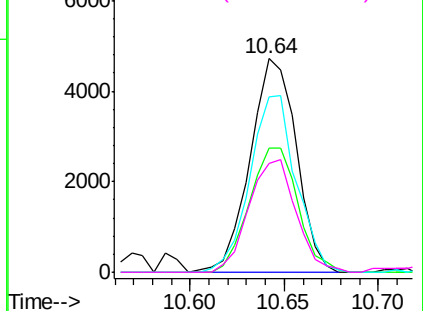
#45
1,1,2-Trichloroethane
Concen: 2.651 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

Tgt Ion:	97	Resp:	8014
Ion	Ratio	Lower	Upper
97	100		
99	58.0	45.1	83.9
83	82.0	59.7	110.9
85	51.1	39.0	72.4

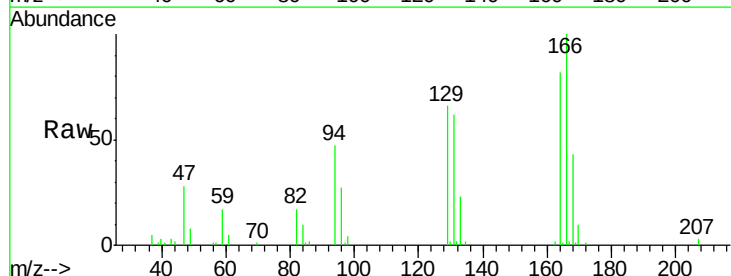


Abundance Ion 97.00 (96.70 to 97.70): VY003628.D (-1398) (-)

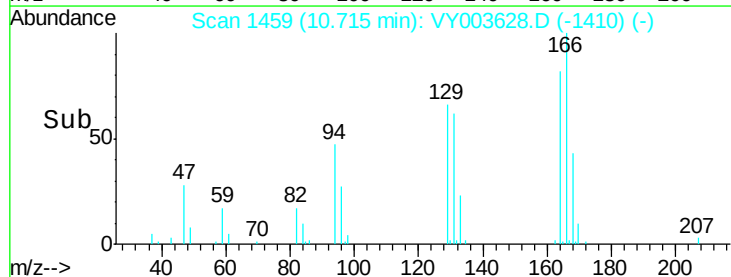
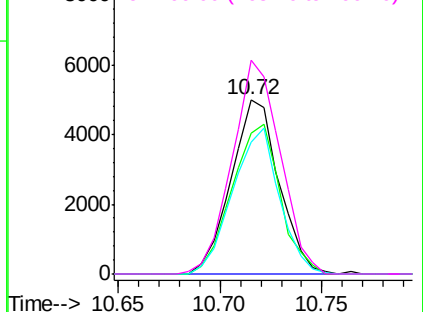


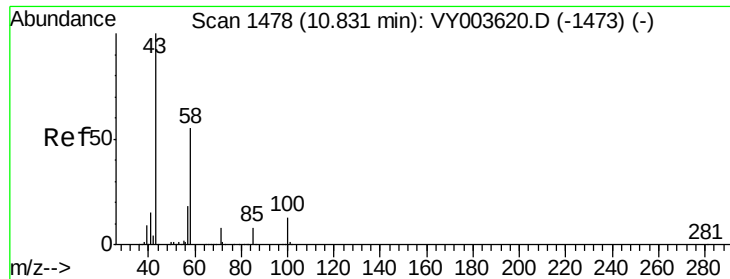
#46
Tetrachloroethene
Concen: 2.606 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion:	164	Resp:	8151
Ion	Ratio	Lower	Upper
164	100		
129	80.8	58.9	109.5
131	75.8	59.0	109.6
166	122.7	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VY003628.D (-1410) (-)

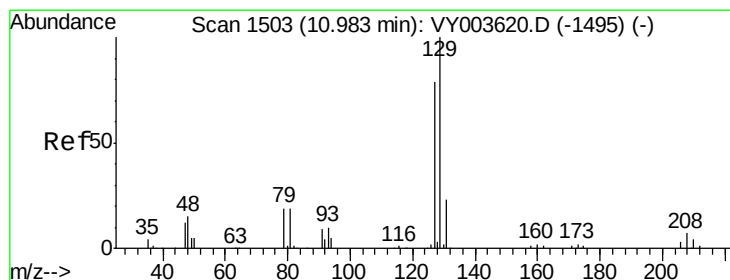
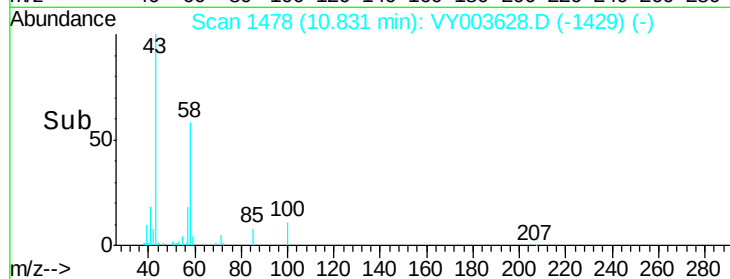
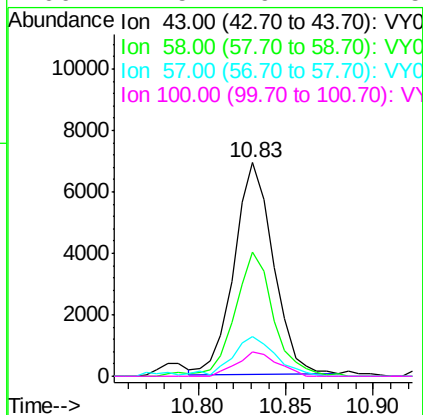
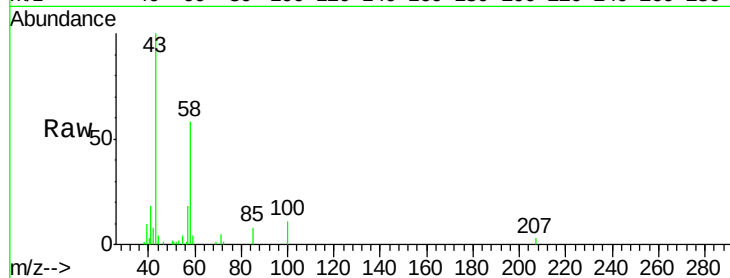




#48
2-Hexanone
Concen: 4.733 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

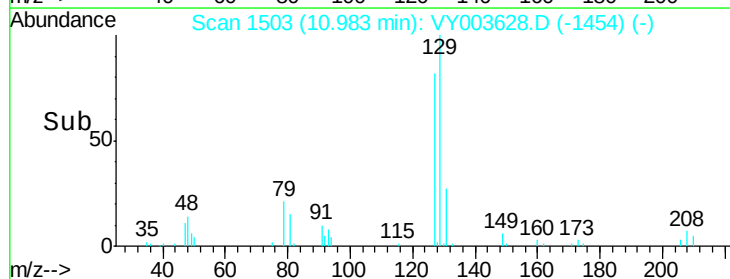
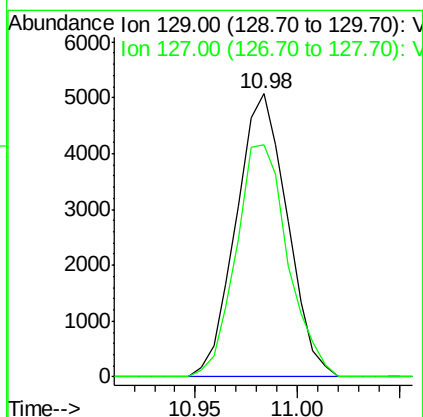
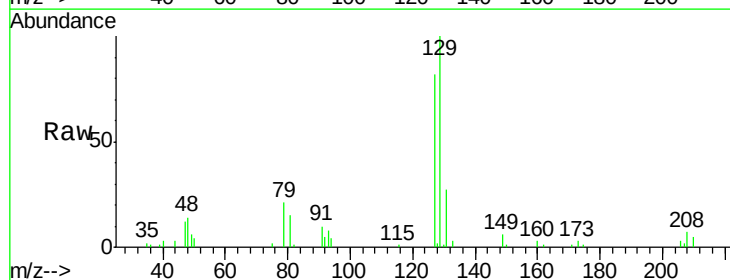
Instrument :
MSVOA_Y
ClientSampled :
VSTD2.5404

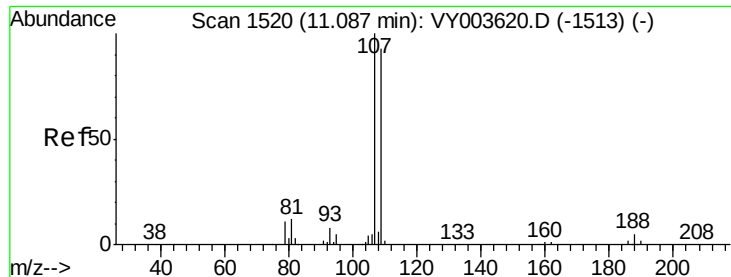
Tgt Ion:	43	Resp:	10836
Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.0	64.6
57	19.7	14.6	21.8
100	11.5	9.7	14.5



#49
Dibromochloromethane
Concen: 2.483 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion:	129	Resp:	8814
Ion	Ratio	Lower	Upper
129	100		
127	82.2	55.0	102.2

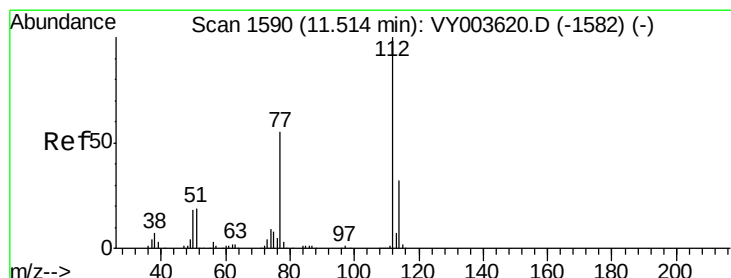
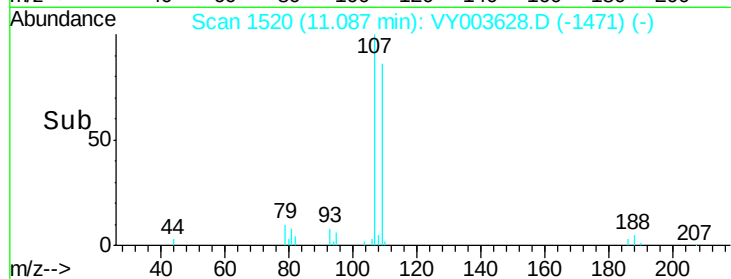
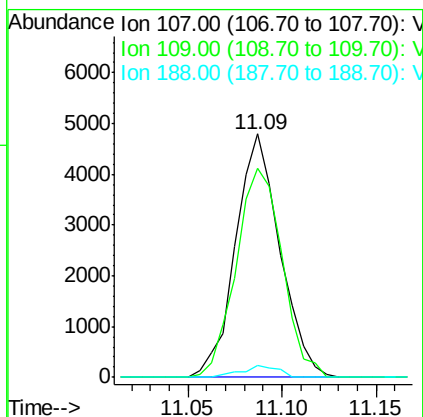
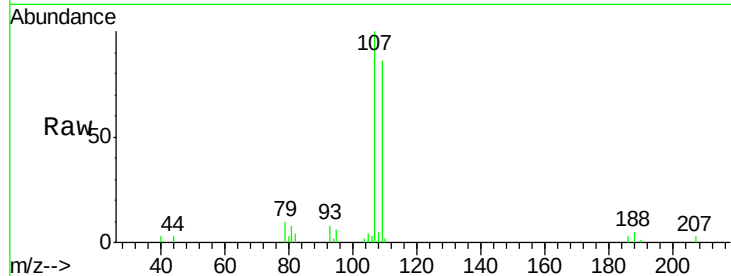




#50
1,2-Dibromoethane
Concen: 2.687 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

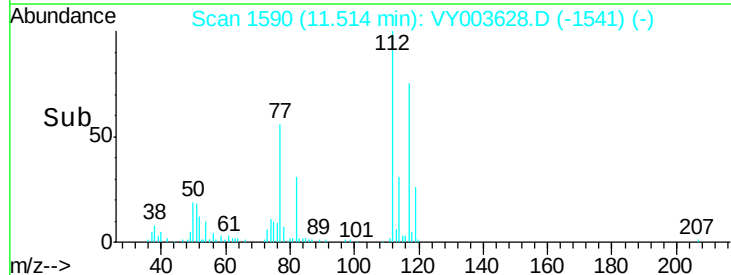
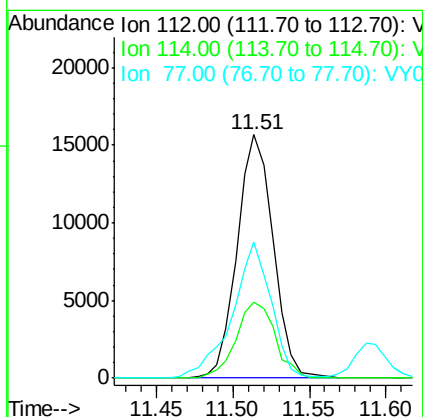
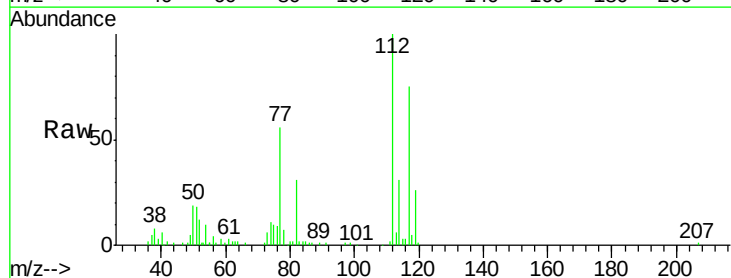
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

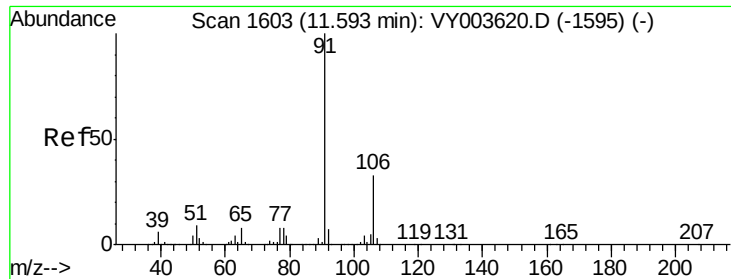
Tgt Ion:107 Resp: 7811
Ion Ratio Lower Upper
107 100
109 85.9 65.5 121.7
188 4.9 3.8 5.8



#51
Chlorobenzene
Concen: 2.641 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion:112 Resp: 25618
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 55.6 43.8 65.6





#52

Ethylbenzene

Concen: 2.413 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

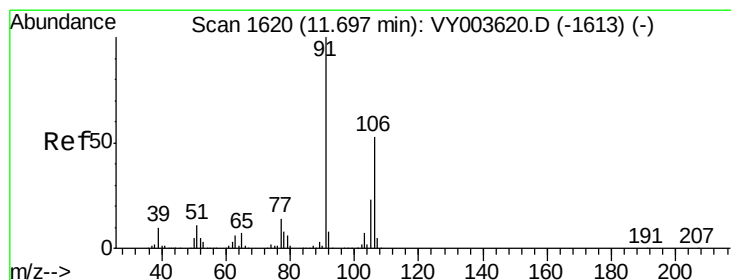
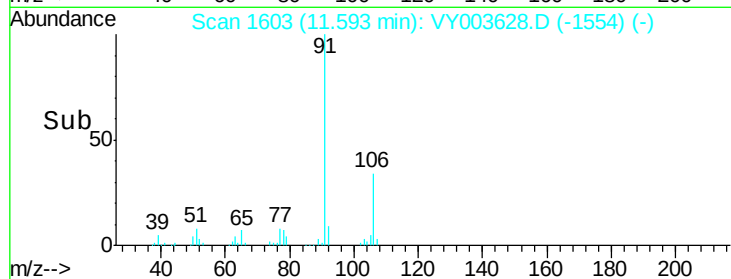
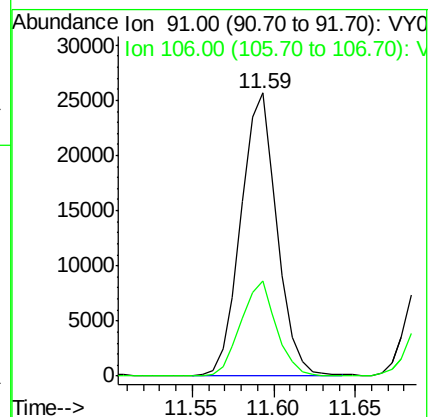
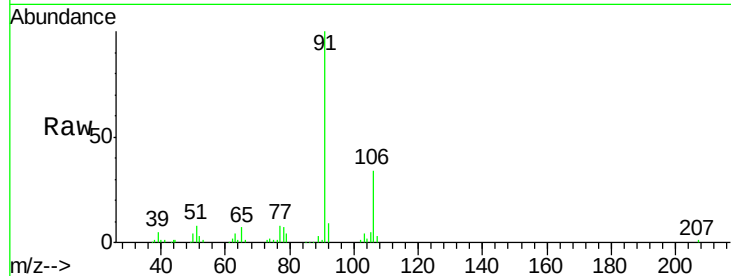
VSTD2.5404

Tgt Ion: 91 Resp: 39584

Ion Ratio Lower Upper

91 100

106 33.5 22.8 42.4



#53

m,p-Xylene

Concen: 2.482 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VY003628.D

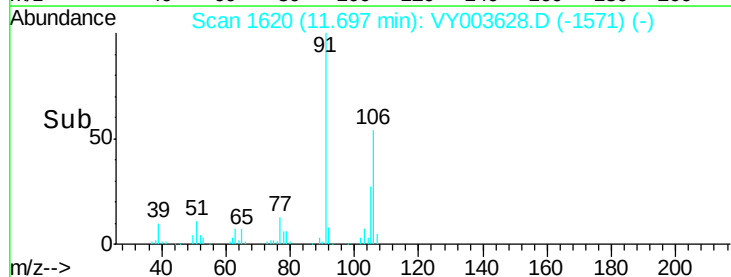
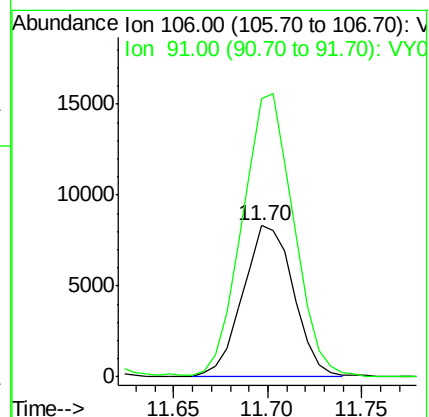
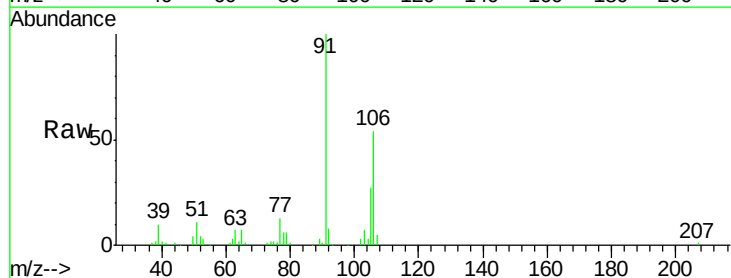
Acq: 01 Dec 2020 10:49

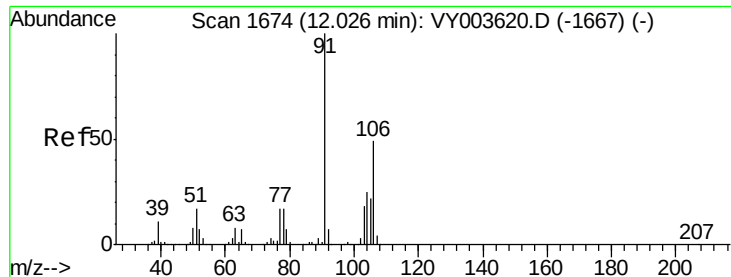
Tgt Ion: 106 Resp: 15604

Ion Ratio Lower Upper

106 100

91 183.6 133.1 247.3

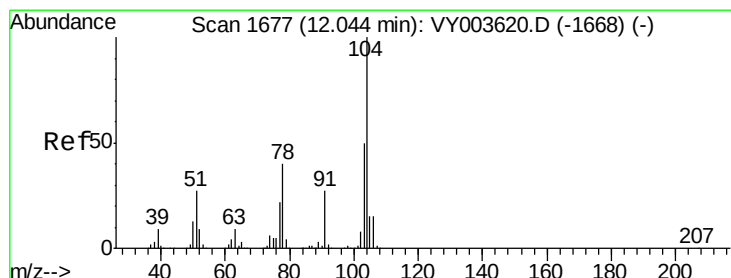
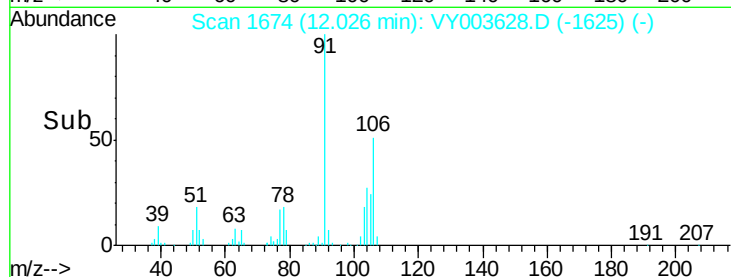
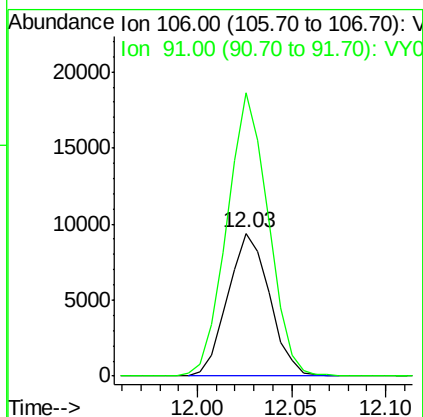
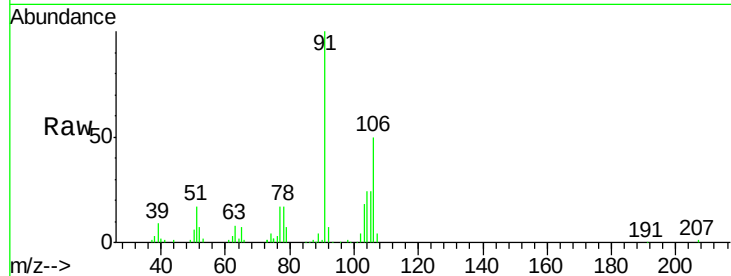




#54
o-Xylene
Concen: 2.411 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

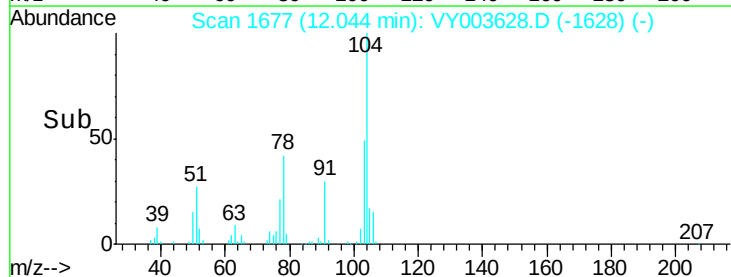
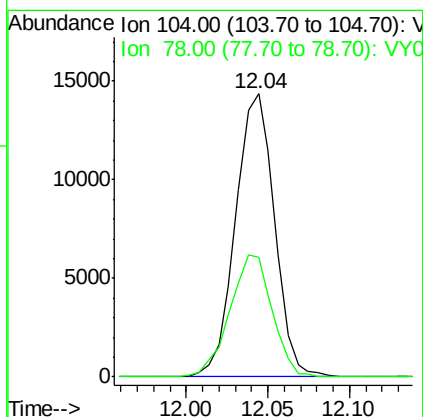
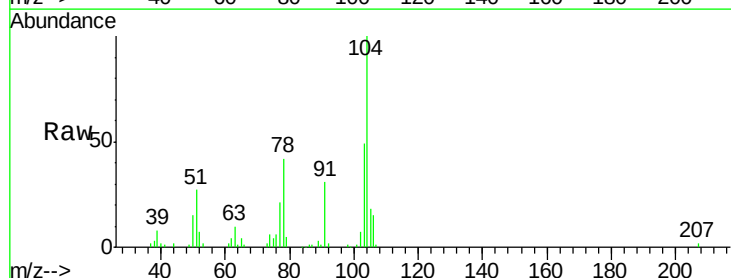
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

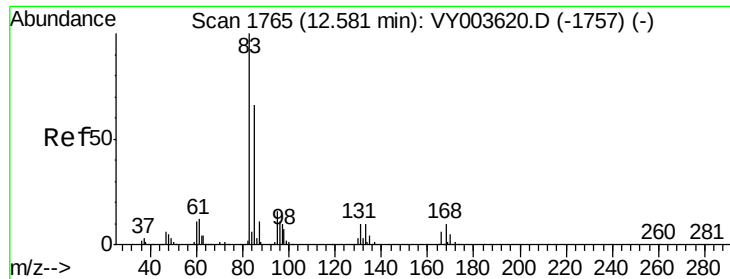
Tgt Ion:106 Resp: 14426
Ion Ratio Lower Upper
106 100
91 198.5 144.1 267.5



#55
Styrene
Concen: 2.336 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion:104 Resp: 23963
Ion Ratio Lower Upper
104 100
78 42.1 27.6 51.4

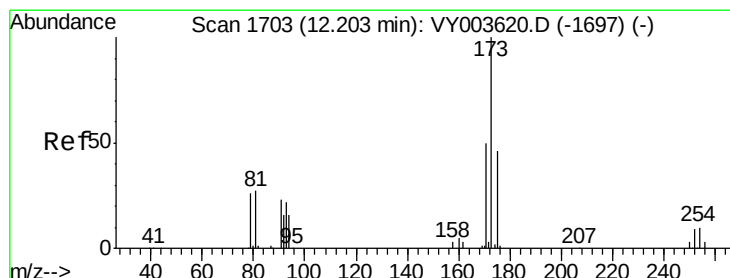
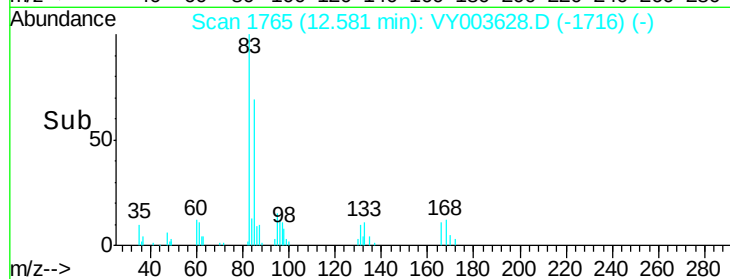
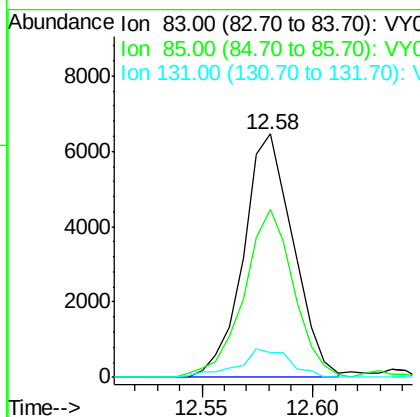
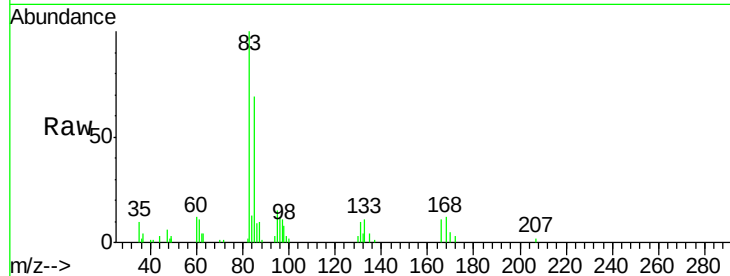




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.522 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

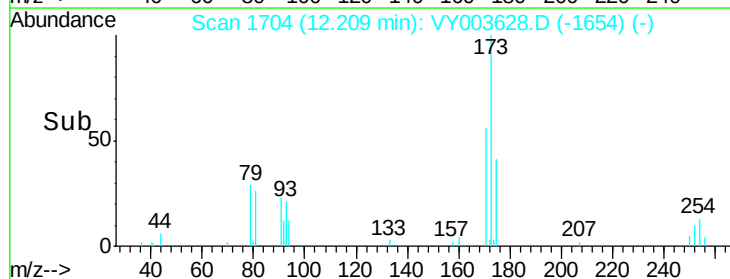
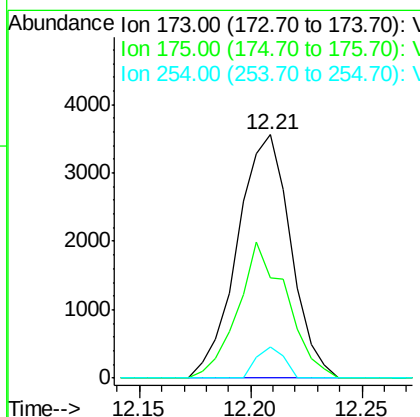
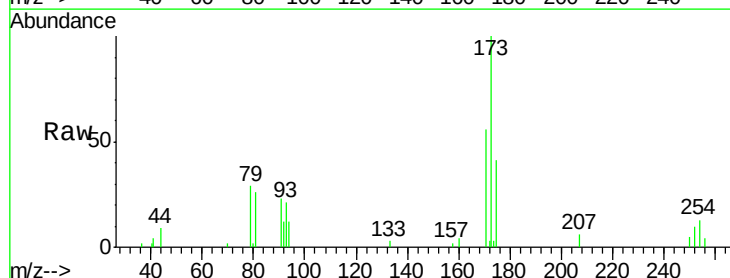
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5404

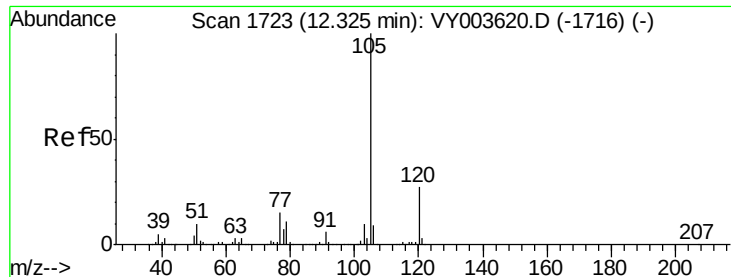
Tgt Ion: 83 Resp: 10068
 Ion Ratio Lower Upper
 83 100
 85 69.1 46.1 85.7
 131 10.2 8.1 12.1



#59
 Bromoform
 Concen: 2.510 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.01 min
 Lab File: VY003628.D
 Acq: 01 Dec 2020 10:49

Tgt Ion: 173 Resp: 5942
 Ion Ratio Lower Upper
 173 100
 175 51.3 38.2 57.4
 254 6.6 8.0 12.0#





#60

Isopropylbenzene

Concen: 2.353 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

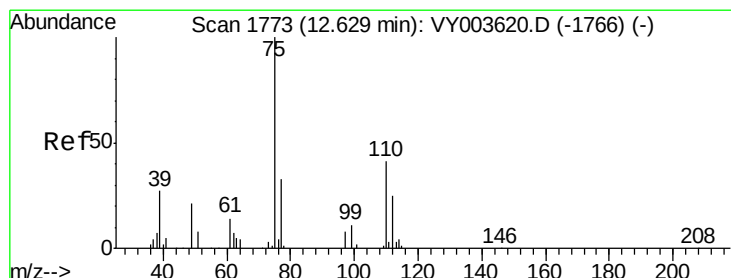
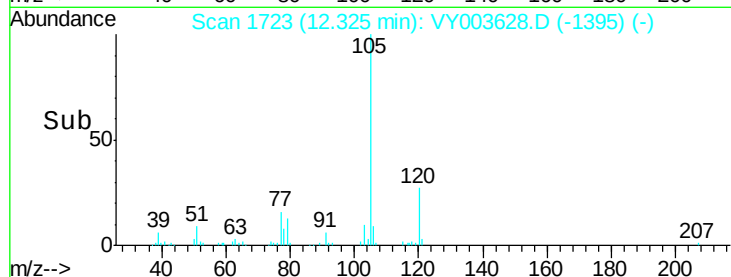
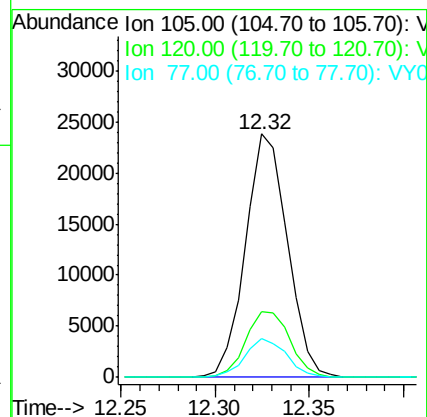
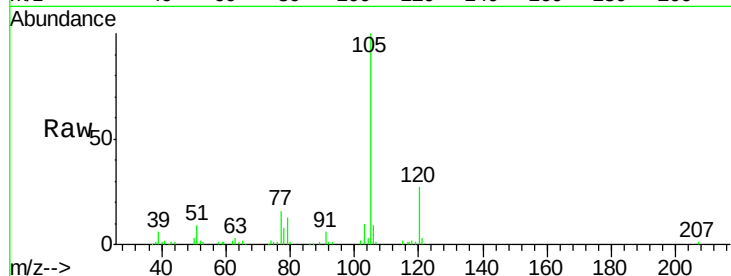
Tgt Ion: 105 Resp: 36750

Ion Ratio Lower Upper

105 100

120 28.3 22.0 33.0

77 15.8 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 2.547 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

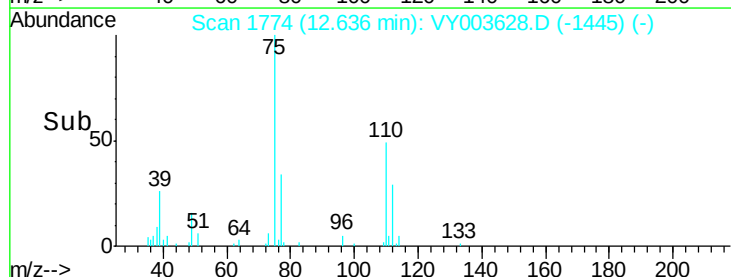
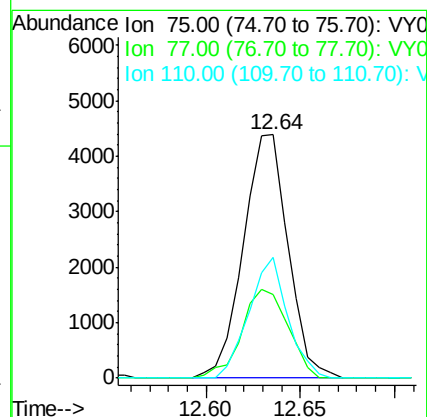
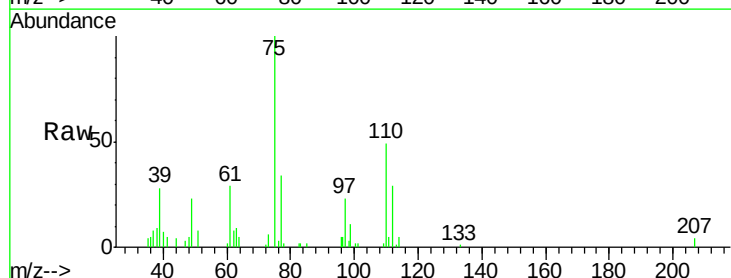
Tgt Ion: 75 Resp: 7235

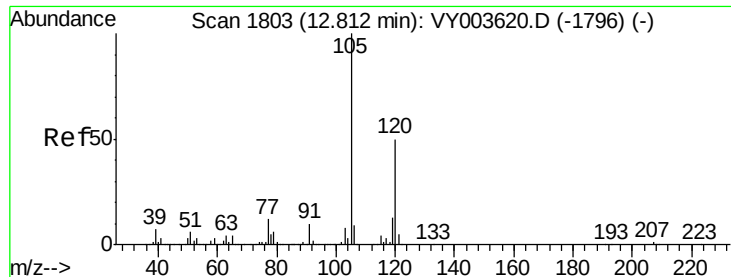
Ion Ratio Lower Upper

75 100

77 37.6 26.3 39.5

110 42.7 33.0 49.4





#62

1,3,5-Trimethylbenzene

Concen: 2.271 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

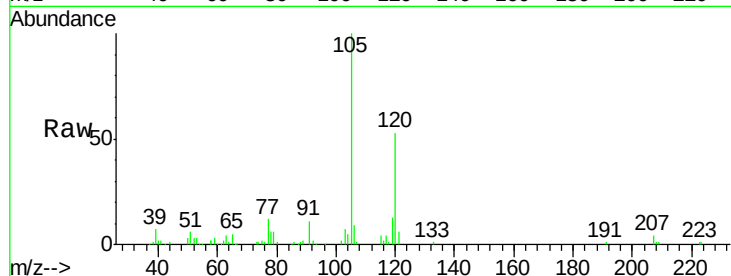
VSTD2.5404

Tgt Ion:105 Resp: 27907

Ion Ratio Lower Upper

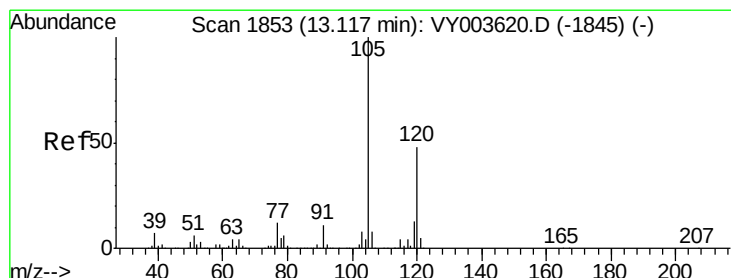
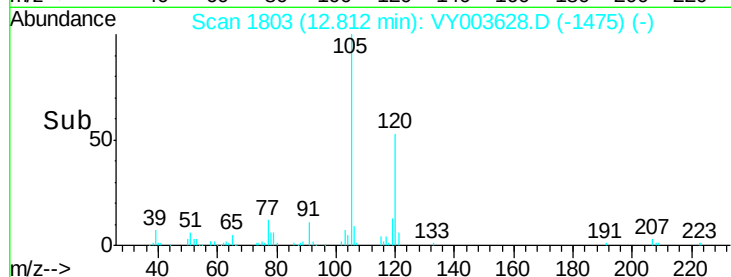
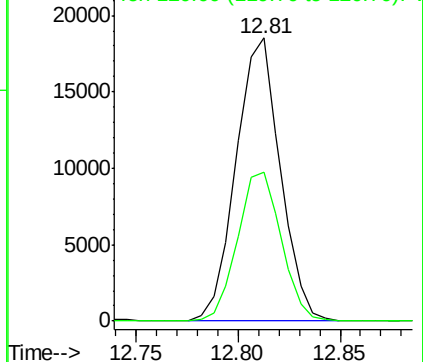
105 100

120 52.2 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: 2.306 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003628.D

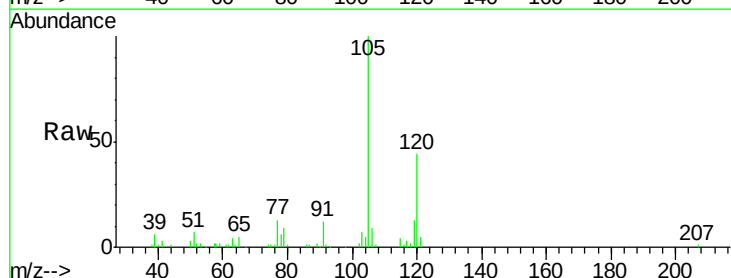
Acq: 01 Dec 2020 10:49

Tgt Ion:105 Resp: 27841

Ion Ratio Lower Upper

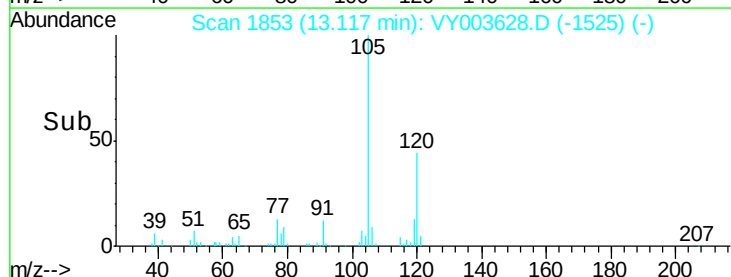
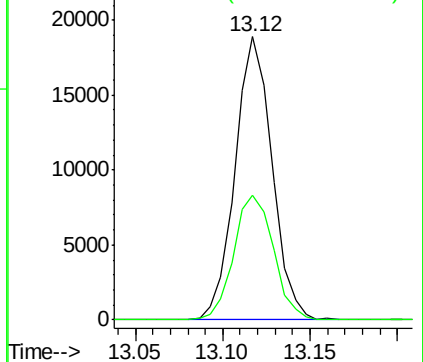
105 100

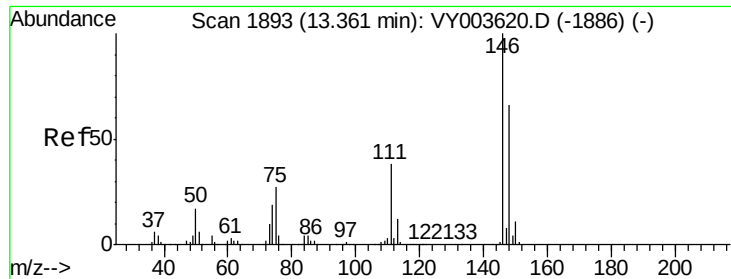
120 47.2 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.533 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

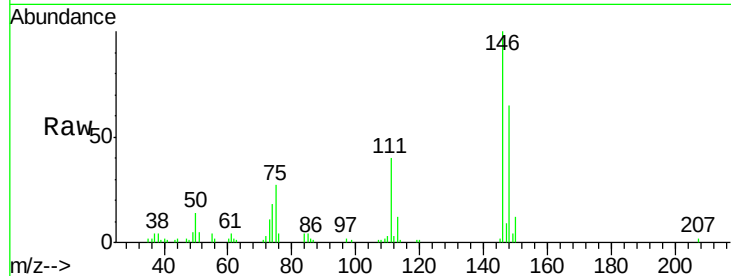
Tgt Ion:146 Resp: 18783

Ion Ratio Lower Upper

146 100

111 40.2 26.6 49.4

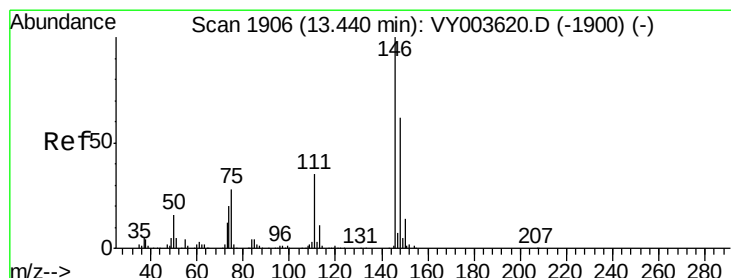
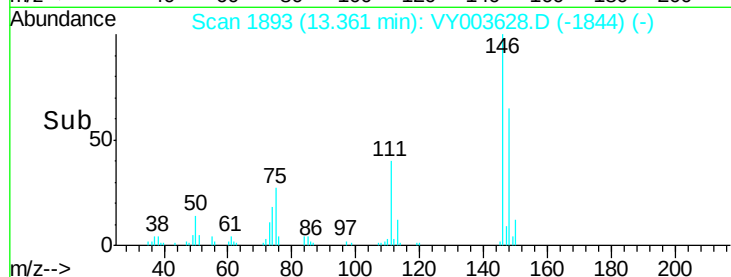
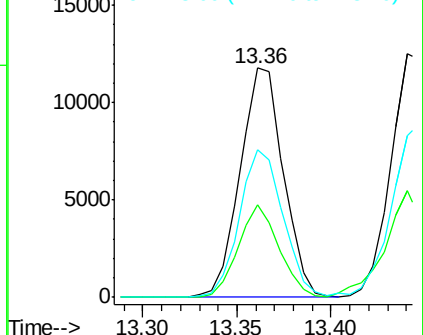
148 64.6 46.3 86.1



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: 2.593 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

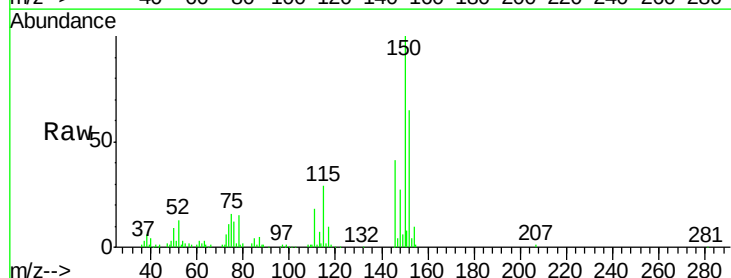
Tgt Ion:146 Resp: 19685

Ion Ratio Lower Upper

146 100

111 43.9 24.7 45.9

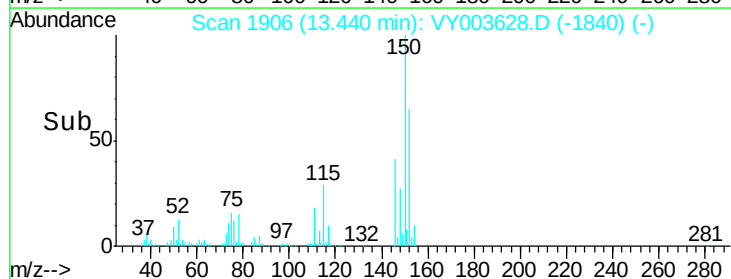
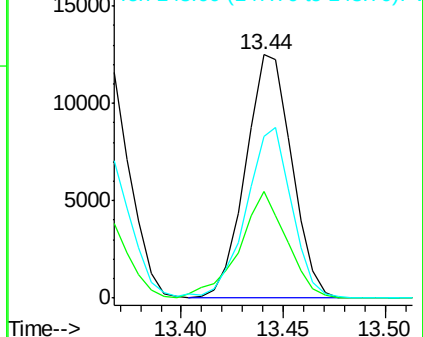
148 66.5 43.4 80.6

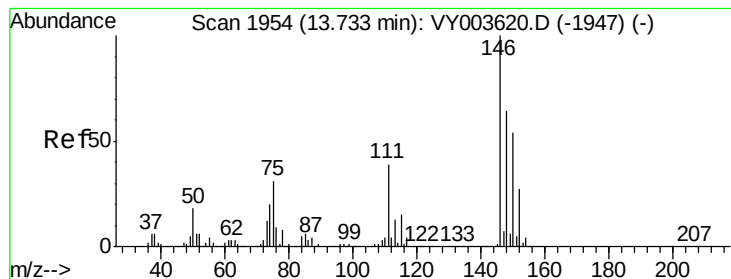


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.627 ug/L

RT: 13.73 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

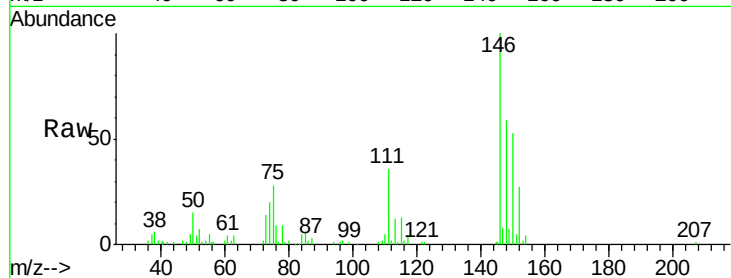
Tgt Ion:146 Resp: 18070

Ion Ratio Lower Upper

146 100

111 35.6 31.0 46.6

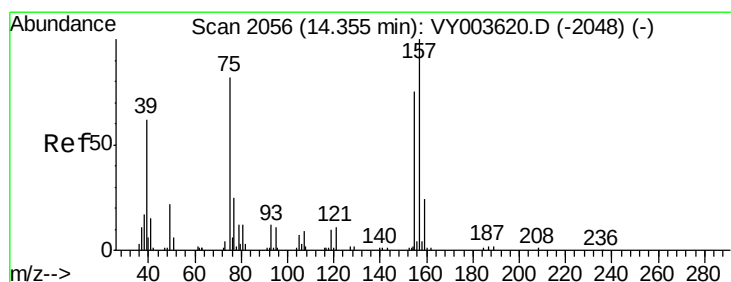
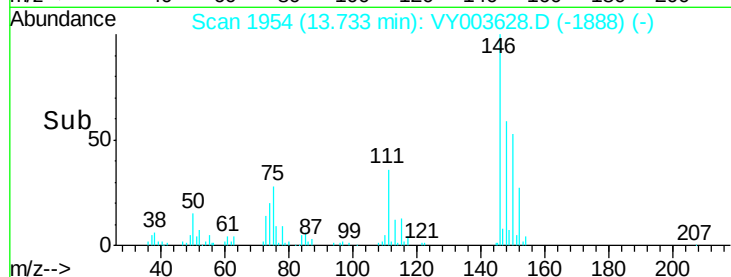
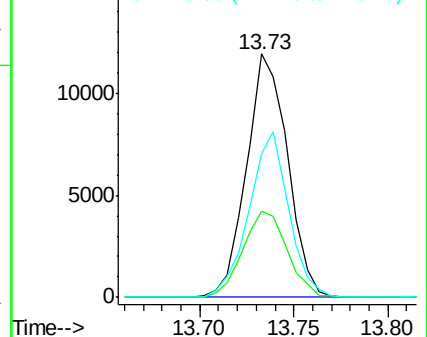
148 59.1 51.0 76.4



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: 2.625 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

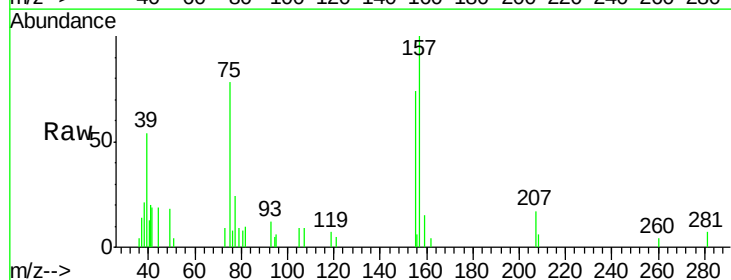
Tgt Ion: 75 Resp: 1694

Ion Ratio Lower Upper

75 100

155 101.5 73.4 110.0

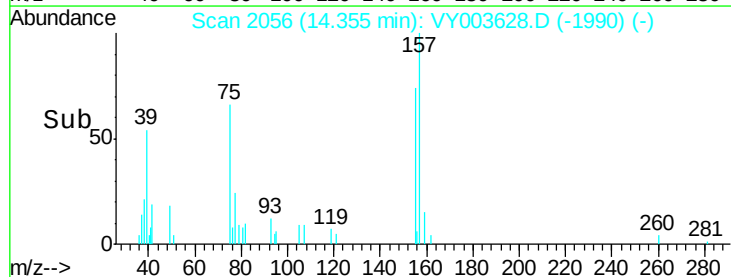
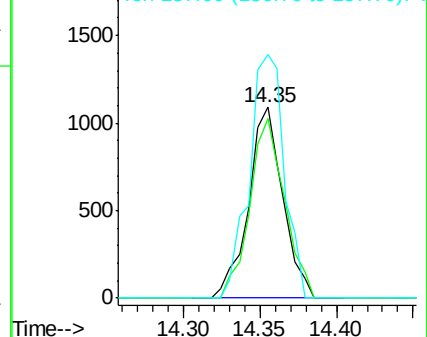
157 127.6 98.1 147.1

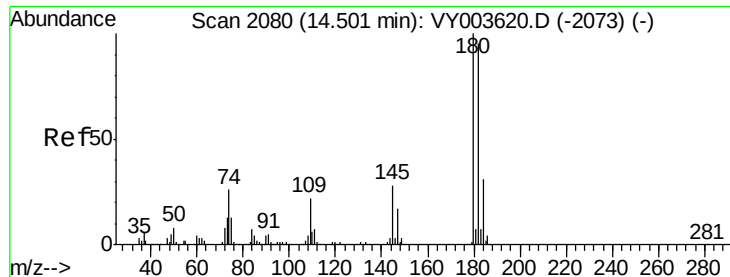


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 2.635 ug/L

RT: 14.49 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5404

Tgt Ion:180 Resp: 13514

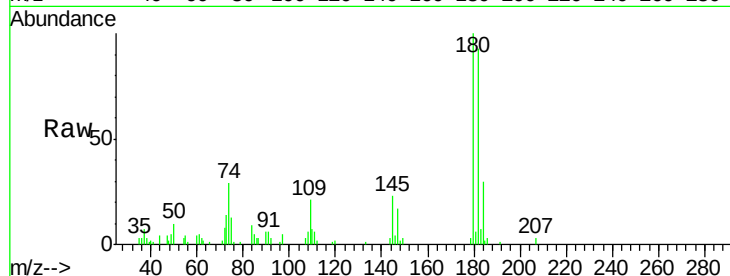
Ion Ratio Lower Upper

180 100

182 93.3 75.4 113.0

184 28.2 24.1 36.1

145 25.2 22.4 33.6

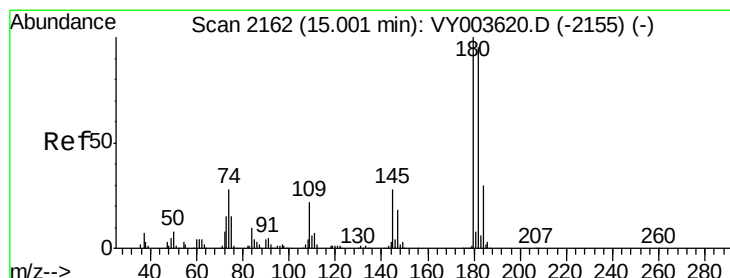
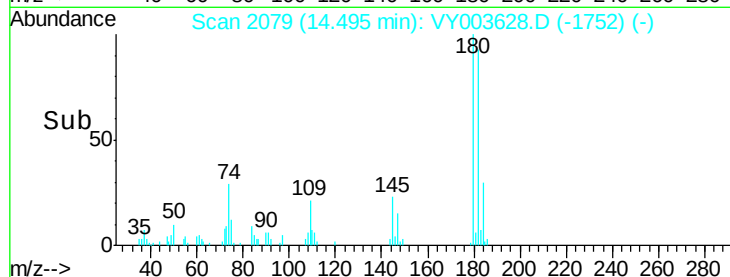
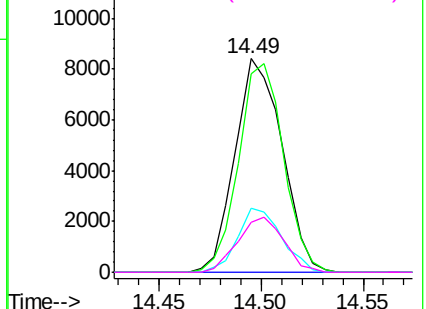


Abundance Ion 180.00 (179.70 to 180.70): V

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: 2.493 ug/L

RT: 15.00 min Scan# 2162

Delta R.T. -0.00 min

Lab File: VY003628.D

Acq: 01 Dec 2020 10:49

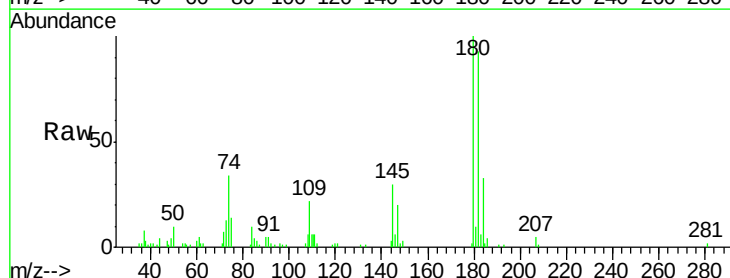
Tgt Ion:180 Resp: 11009

Ion Ratio Lower Upper

180 100

182 93.1 76.1 114.1

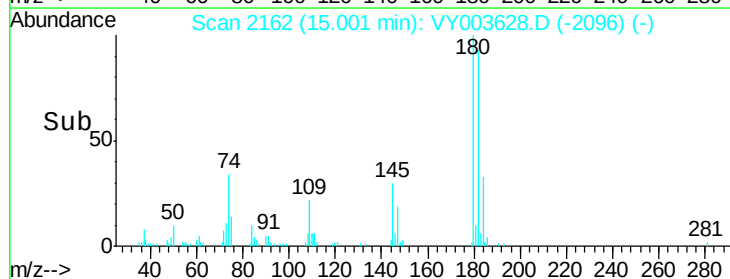
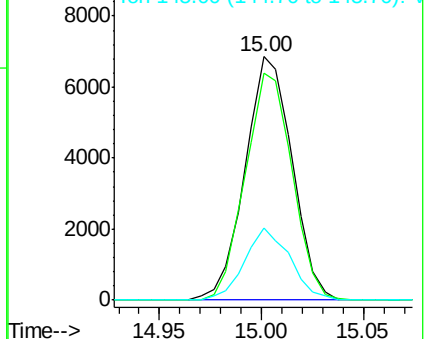
145 28.6 22.8 34.2

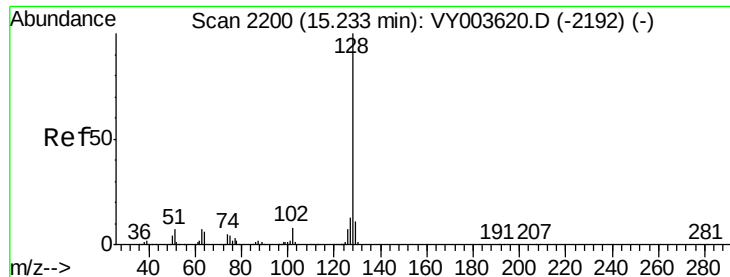


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

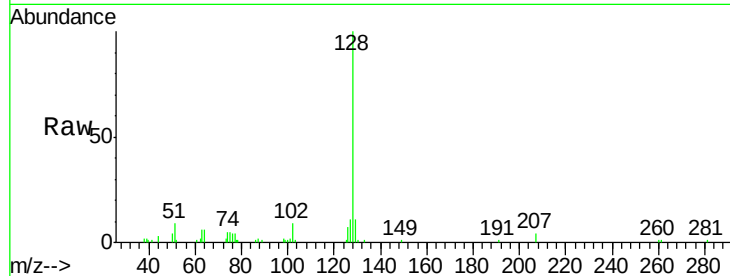




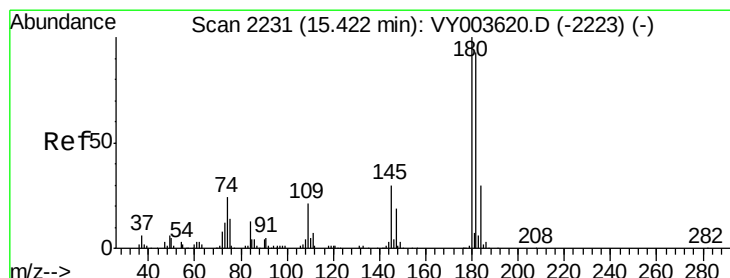
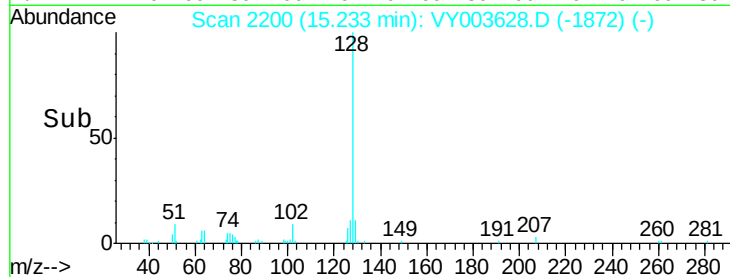
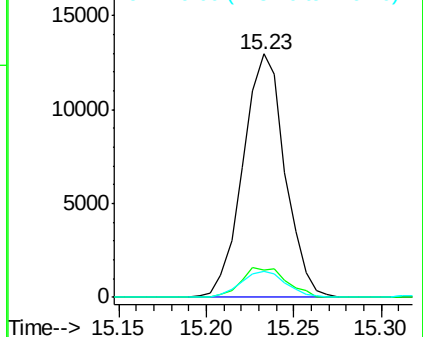
#71
Naphthalene
Concen: 2.355 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5404

Tgt Ion:128 Resp: 21655
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.5 12.7

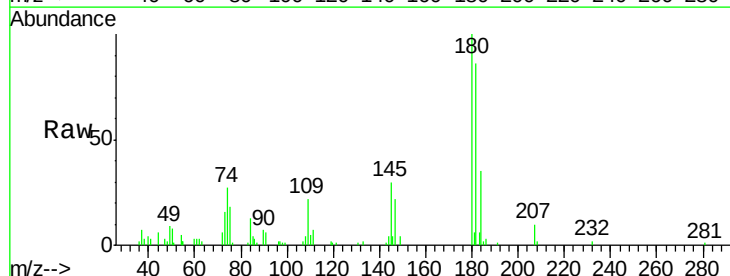


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 2.450 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003628.D
Acq: 01 Dec 2020 10:49

Tgt Ion:180 Resp: 9922
Ion Ratio Lower Upper
180 100
182 96.3 76.2 114.4
145 30.2 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

