

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003624.D
 Acq On : 25 Nov 2020 15:18
 Operator : SY/MD
 Sample : VSTD2.534
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	231817	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	215886	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	107729	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9758	2.93	ug/L	0.00
7) Chloroethane-d5	2.77	69	7433	2.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	9523	1.48	ug/L	0.00
21) 2-Butanone-d5	6.90	46	6610	5.29	ug/L	0.00
24) Chloroform-d	7.49	84	16939	2.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	9569	2.81	ug/L	0.00
32) Benzene-d6	8.11	84	35033	2.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	10296	2.73	ug/L	0.00
41) Toluene-d8	10.18	98	30011	2.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4815	2.64	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	4147	4.41	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	10116	2.69	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	10978	2.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7287	2.631 ug/L	93
3) Chloromethane	2.11	50	8750	2.769 ug/L	94
5) Vinyl chloride	2.26	62	8814	2.611 ug/L	89
6) Bromomethane	2.66	94	6109	2.730 ug/L	87
8) Chloroethane	2.80	64	5234	2.595 ug/L	91
9) Trichlorofluoromethane	3.14	101	14034	2.750 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	8301	2.596 ug/L	94
12) 1,1-Dichloroethene	3.88	96	7766	2.579 ug/L #	86
13) Acetone	3.97	43	5968	5.865 ug/L	97
14) Carbon disulfide	4.20	76	27136	2.645 ug/L	98
15) Methyl Acetate	4.49	43	3415	1.564 ug/L #	63
16) Methylene chloride	4.73	84	18567	4.019 ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	8342	2.554 ug/L	97
18) Methyl tert-butyl Ether	5.23	73	19450	2.417 ug/L #	91
19) 1,1-Dichloroethane	6.02	63	14814	2.606 ug/L	95
20) cis-1,2-Dichloroethene	7.00	96	8964	2.567 ug/L	91
22) 2-Butanone	7.00	43	8003	5.203 ug/L #	68
23) Bromochloromethane	7.34	128	4651	2.721 ug/L	85
25) Chloroform	7.51	83	15062	2.637 ug/L	91
27) 1,2-Dichloroethane	8.24	62	9943	2.621 ug/L	97
29) Cyclohexane	7.79	56	12611	2.424 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	13143	2.568 ug/L	97
31) Carbon tetrachloride	7.90	117	12444	2.683 ug/L	95
33) Benzene	8.16	78	33672	2.539 ug/L	100
34) Trichloroethene	8.94	95	8701	2.638 ug/L	97
35) Methylcyclohexane	9.18	83	13903	2.439 ug/L	96
37) 1,2-Dichloropropane	9.22	63	8397	2.518 ug/L #	95
38) Bromodichloromethane	9.50	83	10695	2.515 ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	12651	2.424 ug/L	95
40) 4-Methyl-2-pentanone	10.07	43	14010	4.757 ug/L	98

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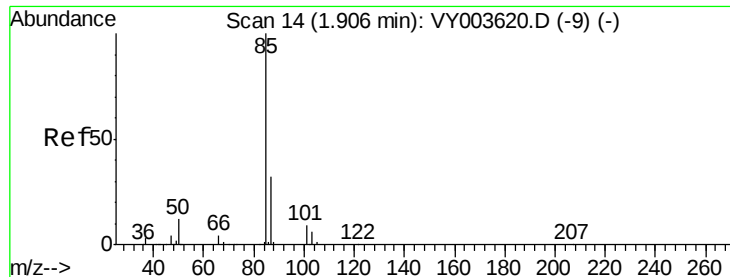
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.24	91	34685	2.474	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	11686	2.440	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	7088	2.555	ug/L	95
46) Tetrachloroethene	10.72	164	7482	2.606	ug/L	93
48) 2-Hexanone	10.83	43	8983	4.275	ug/L	99
49) Dibromochloromethane	10.98	129	8270	2.538	ug/L	99
50) 1,2-Dibromoethane	11.09	107	6735	2.524	ug/L #	92
51) Chlorobenzene	11.51	112	22416	2.517	ug/L	98
52) Ethylbenzene	11.59	91	36744	2.440	ug/L	99
53) m,p-Xylene	11.70	106	13750	2.383	ug/L	87
54) o-Xylene	12.03	106	12956	2.359	ug/L	94
55) Styrene	12.04	104	21596	2.294	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	9443	2.577	ug/L	90
59) Bromoform	12.21	173	5294	2.467	ug/L	93
60) Isopropylbenzene	12.32	105	33618	2.374	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	6811	2.644	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	25506	2.290	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	25262	2.308	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	17048	2.536	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	18637	2.707	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	15910	2.551	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	1400	2.392	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.49	180	12110	2.604	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	10471	2.615	ug/L	97
71) Naphthalene	15.23	128	18694	2.242	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	9101	2.478	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.631 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

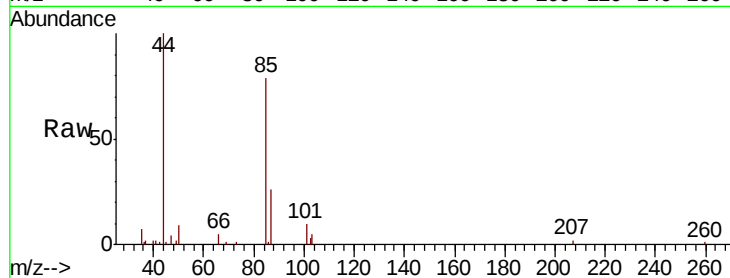
VSTD2.5403

Tot Ion: 85 Resp: 7287

Ion Ratio Lower Upper

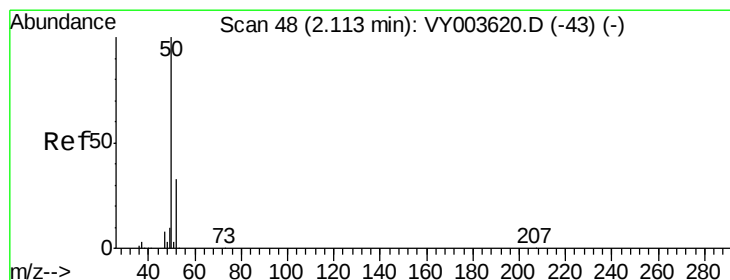
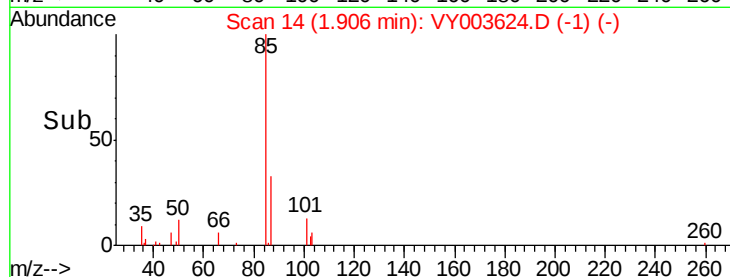
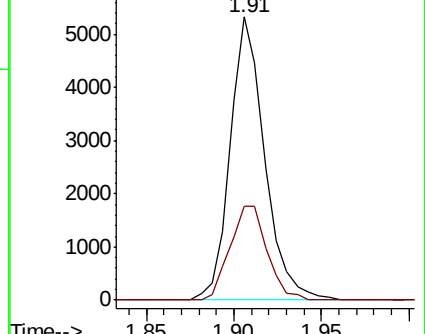
85 100

87 35.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY003620.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003620.D (-9) (-)



#3

Chloromethane

Concen: 2.769 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003624.D

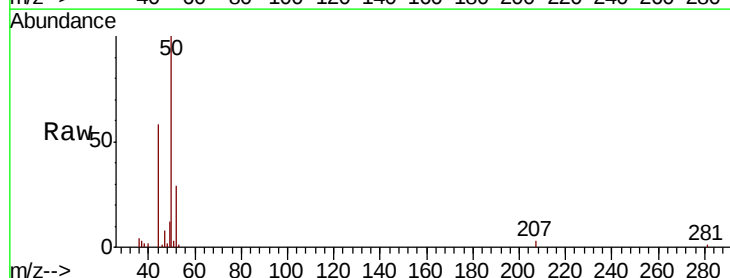
Acq: 25 Nov 2020 15:18

Tgt Ion: 50 Resp: 8750

Ion Ratio Lower Upper

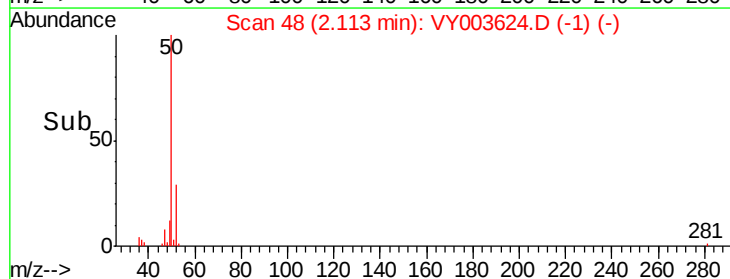
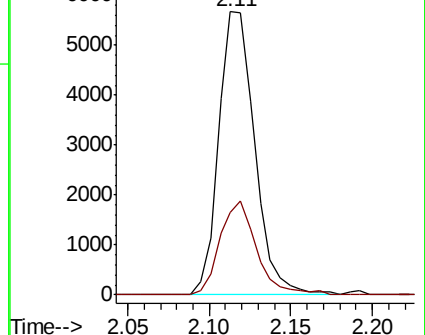
50 100

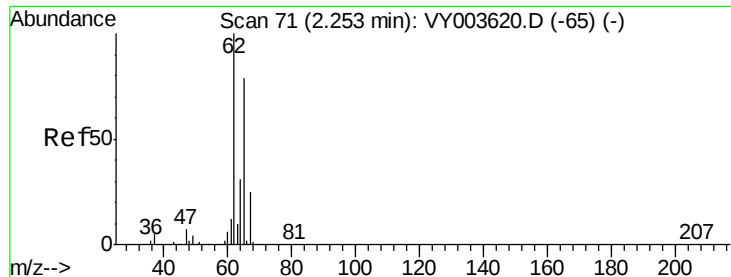
52 29.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY003620.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003620.D (-43) (-)





#5

Vinyl chloride

Concen: 2.611 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

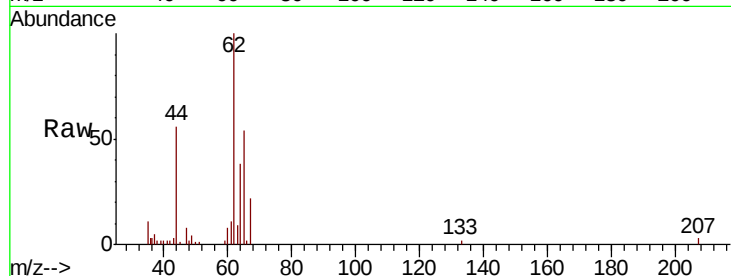
VSTD2.5403

Tot Ion: 62 Resp: 8814

Ion Ratio Lower Upper

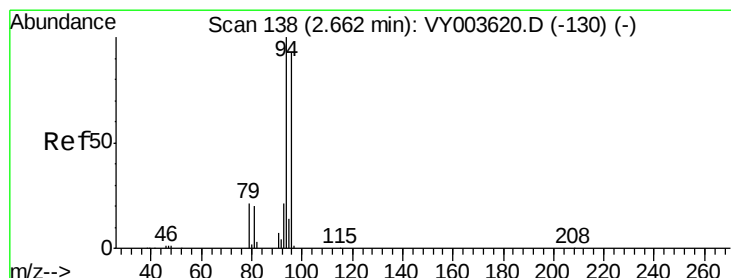
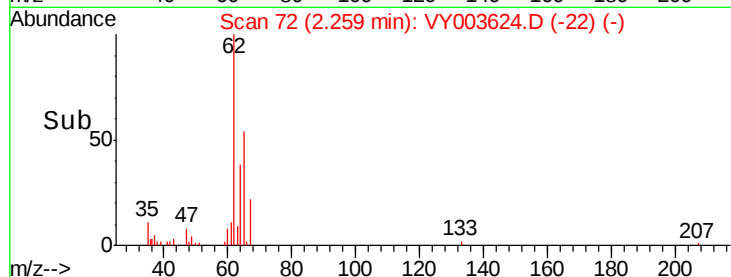
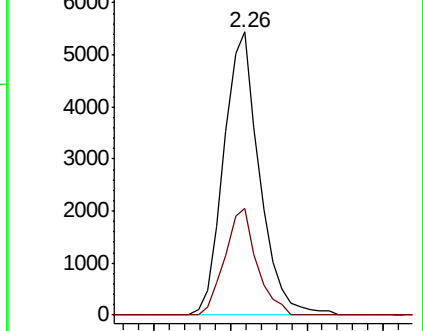
62 100

64 37.6 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: 2.730 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003624.D

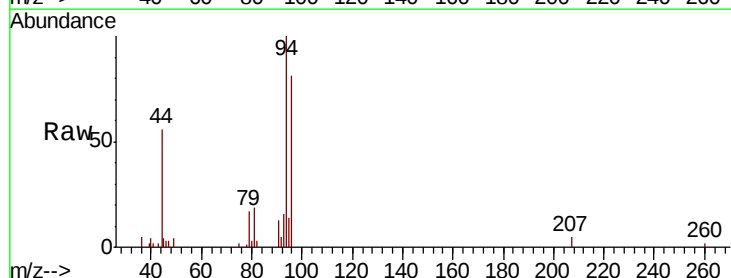
Acq: 25 Nov 2020 15:18

Tgt Ion: 94 Resp: 6109

Ion Ratio Lower Upper

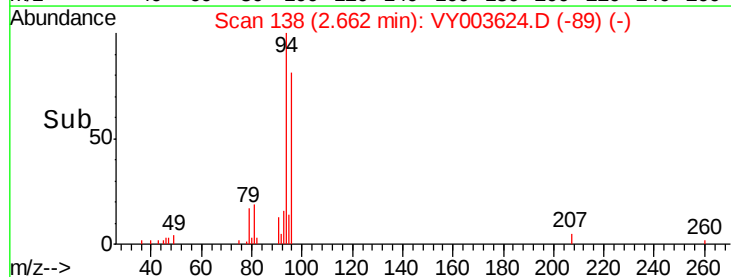
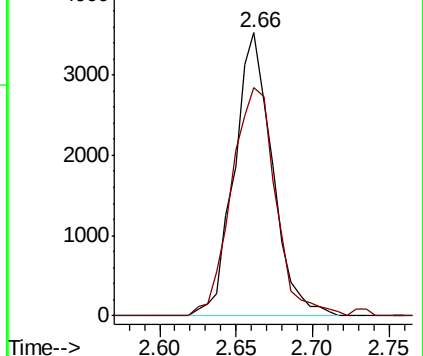
94 100

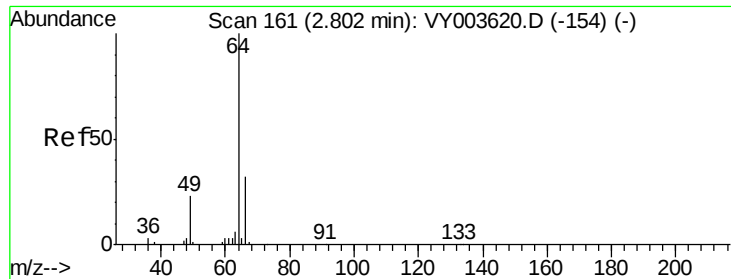
96 80.9 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.595 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

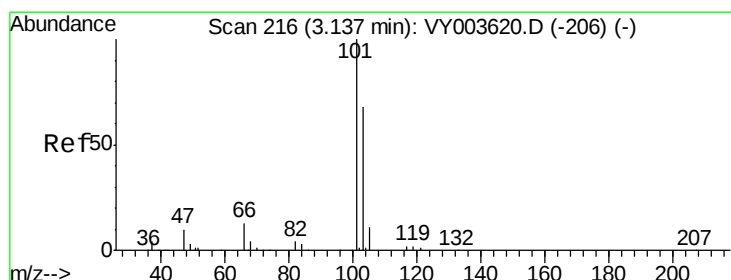
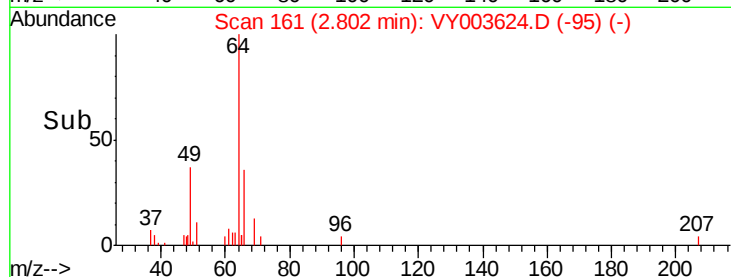
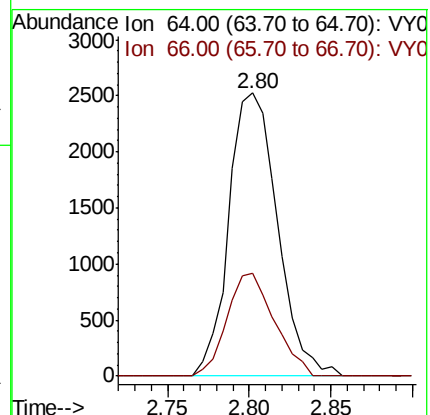
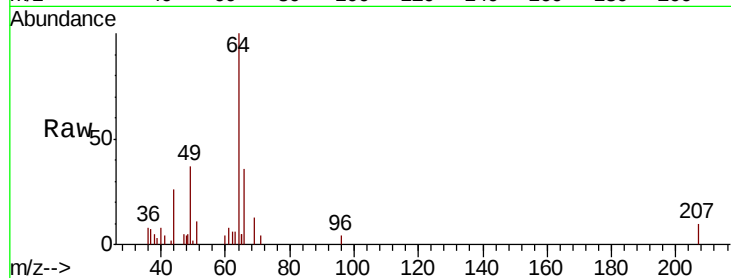
VSTD2.5403

Tot Ion: 64 Resp: 5234

Ion Ratio Lower Upper

64 100

66 36.5 22.2 41.2



#9

Trichlorofluoromethane

Concen: 2.750 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003624.D

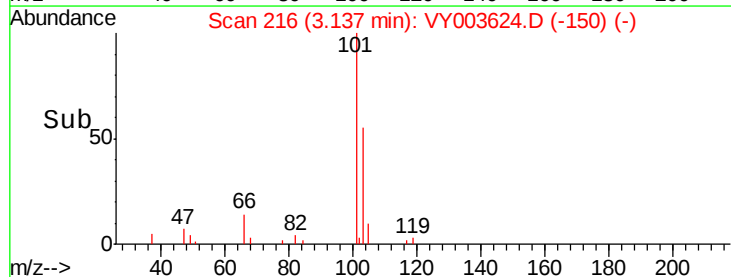
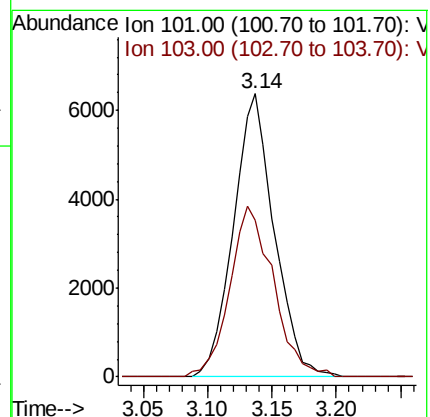
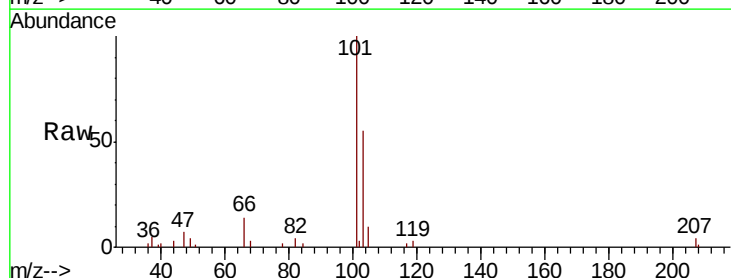
Acq: 25 Nov 2020 15:18

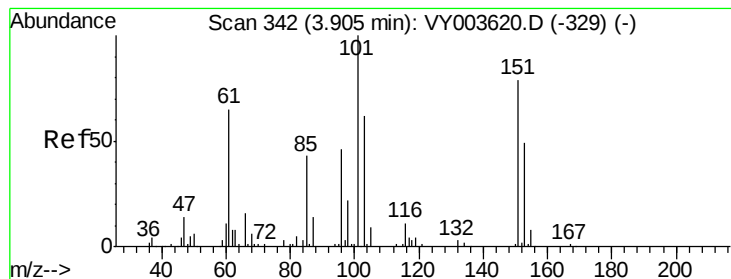
Tgt Ion: 101 Resp: 14034

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9





#10

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

Concen: 2.596 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

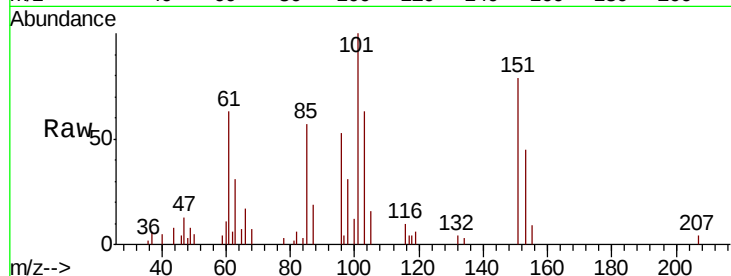
Tot Ion:101 Resp: 8301

Ion Ratio Lower Upper

101 100

85 36.3 35.6 53.4

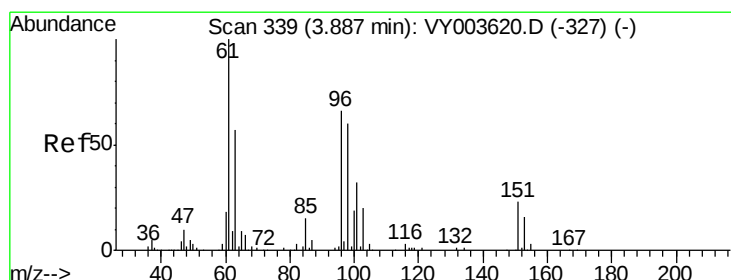
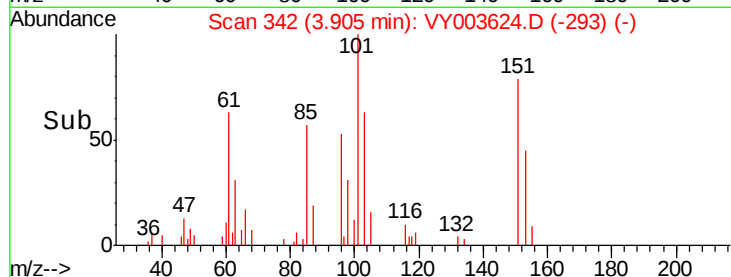
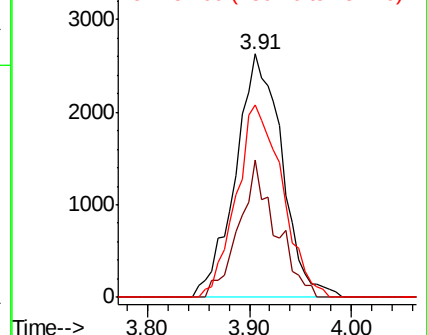
151 78.4 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003624.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003624.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003624.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 2.579 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

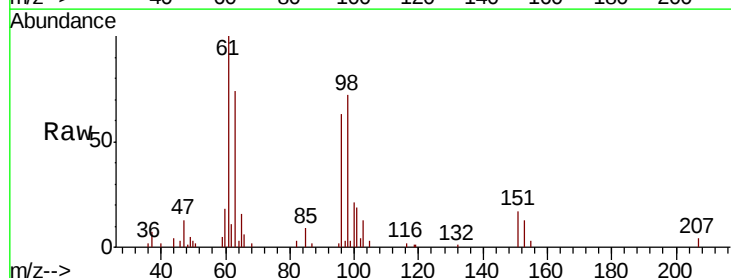
Tgt Ion: 96 Resp: 7766

Ion Ratio Lower Upper

96 100

61 157.9 106.1 197.1

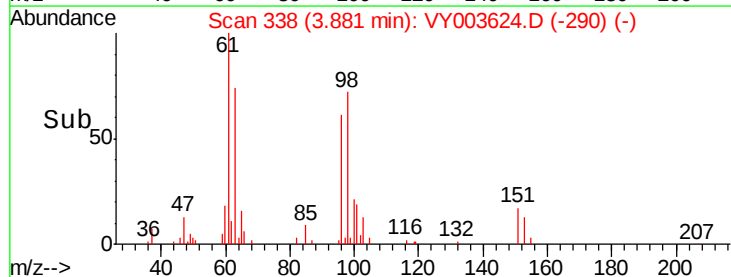
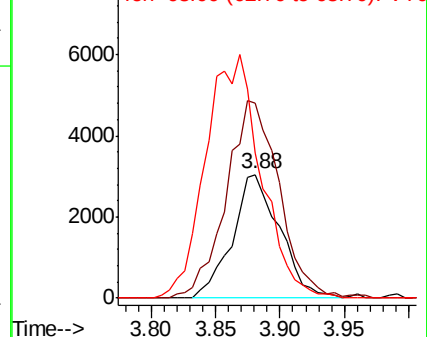
63 117.6 62.9 116.9#

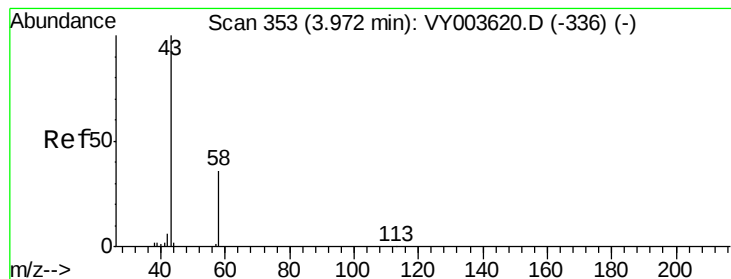


Abundance Ion 96.00 (95.70 to 96.70): VY003624.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003624.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003624.D (-290) (-)





#13

Acetone

Concen: 5.865 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

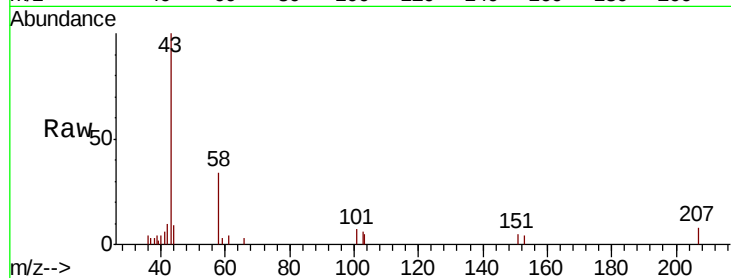
VSTD2.5403

Tot Ion: 43 Resp: 5968

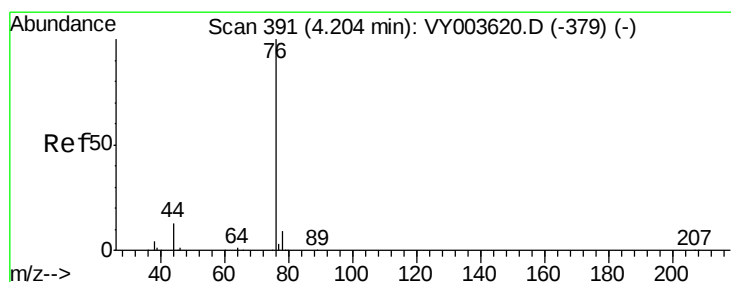
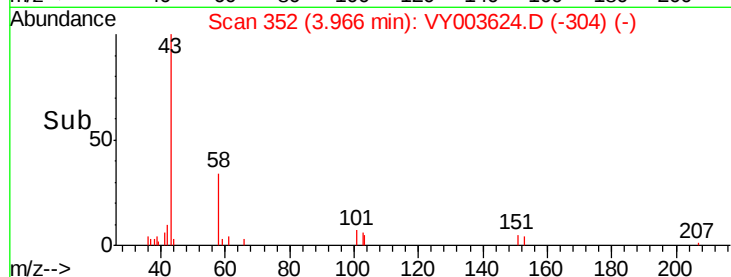
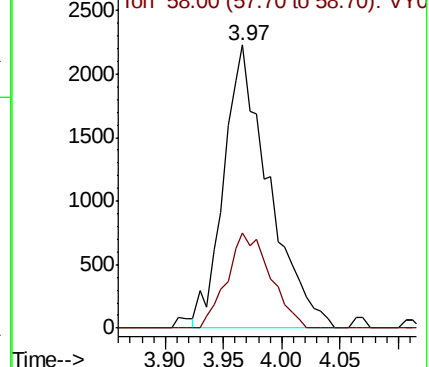
Ion Ratio Lower Upper

43 100

58 32.5 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003620.D (-336) (-)



#14

Carbon disulfide

Concen: 2.645 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003624.D

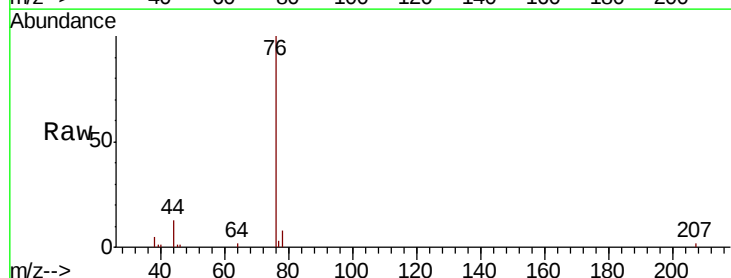
Acq: 25 Nov 2020 15:18

Tgt Ion: 76 Resp: 27136

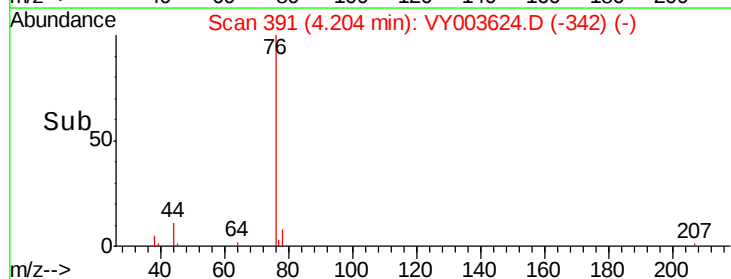
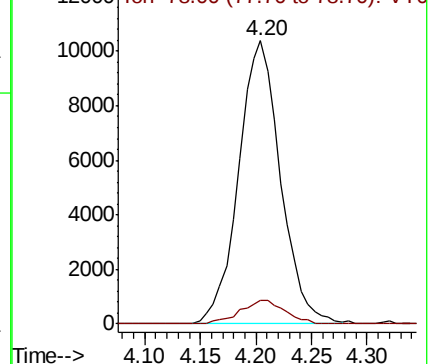
Ion Ratio Lower Upper

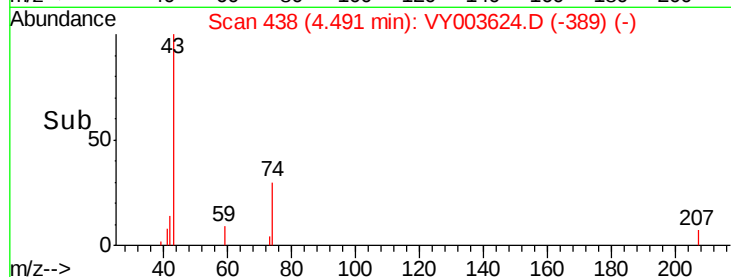
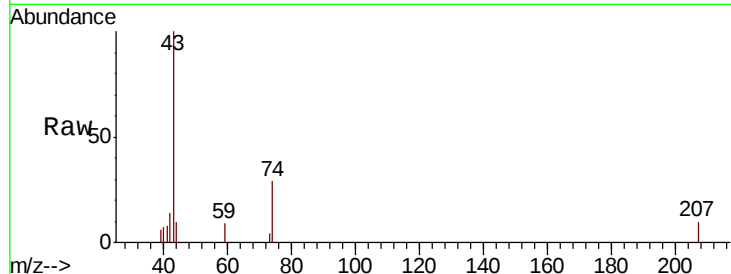
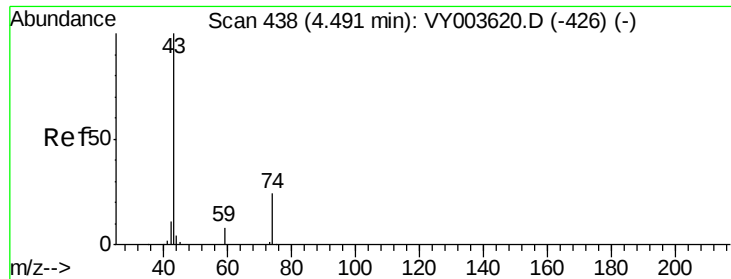
76 100

78 8.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003620.D (-379) (-)

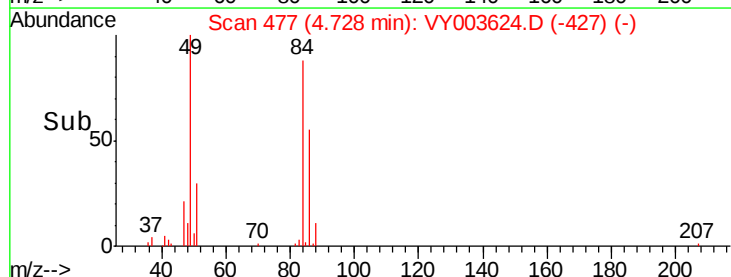
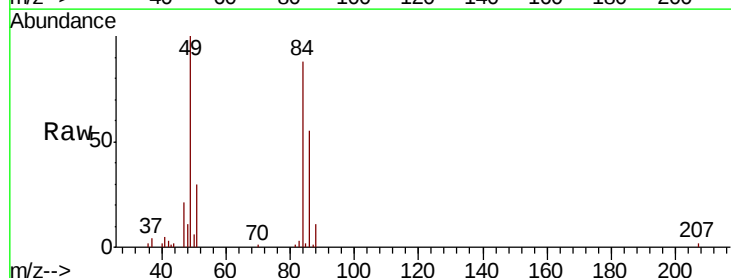
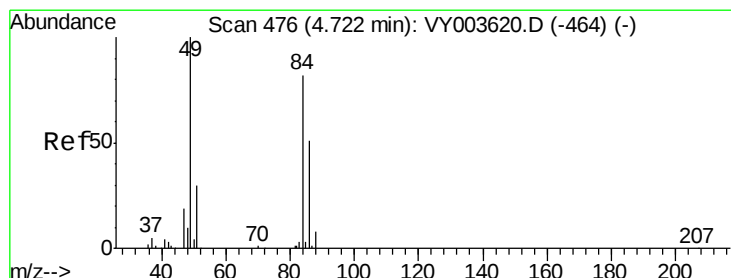
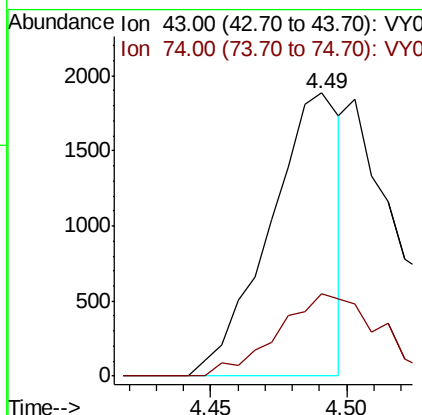




#15
Methyl Acetate
Concen: 1.564 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

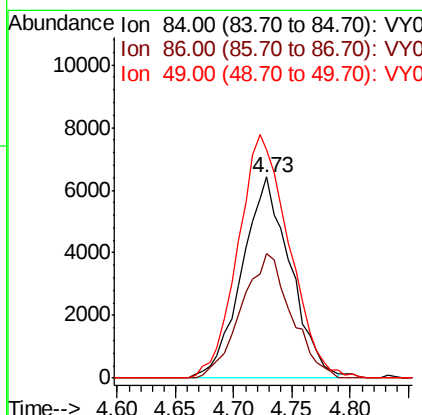
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

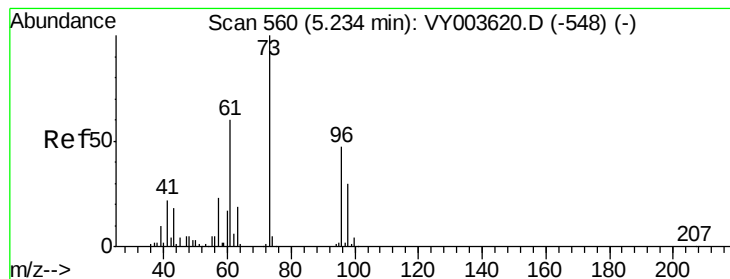
Tot Ion: 43 Resp: 3415
Ion Ratio Lower Upper
43 100
74 40.5 18.2 27.2#



#16
Methylene chloride
Concen: 4.019 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

Tgt Ion: 84 Resp: 18567
Ion Ratio Lower Upper
84 100
86 62.1 43.3 80.3
49 113.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 2.554 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampled :

VSTD2.5403

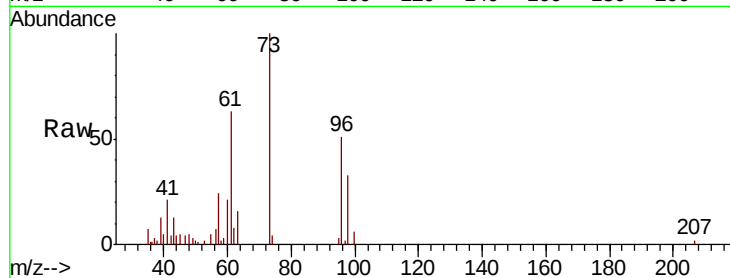
Tot Ion: 96 Resp: 8342

Ion Ratio Lower Upper

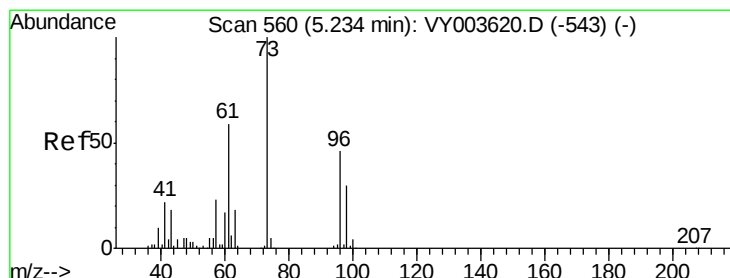
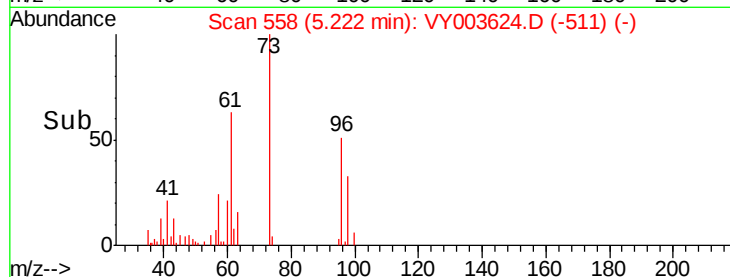
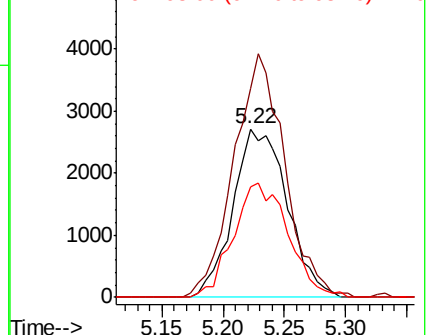
96 100

61 124.1 89.5 166.1

98 66.1 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: 2.417 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

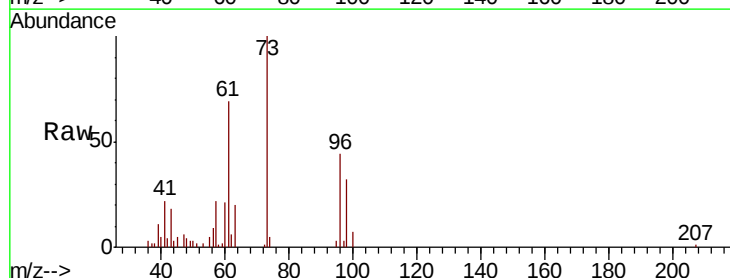
Tgt Ion: 73 Resp: 19450

Ion Ratio Lower Upper

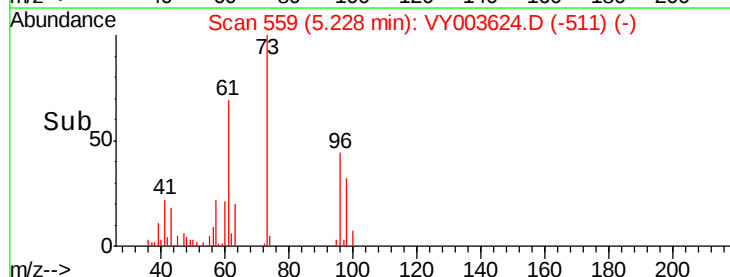
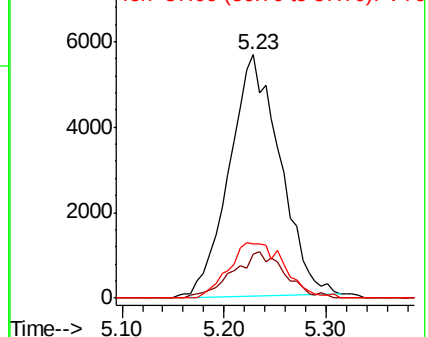
73 100

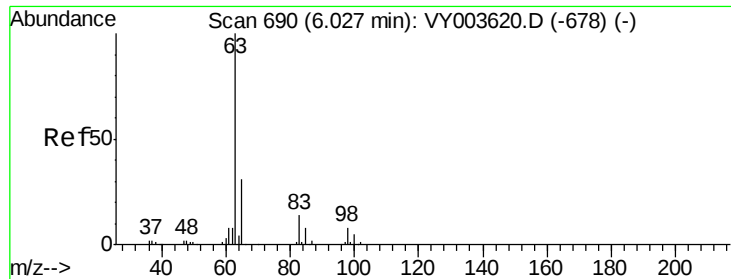
43 12.7 15.2 22.8#

57 24.9 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

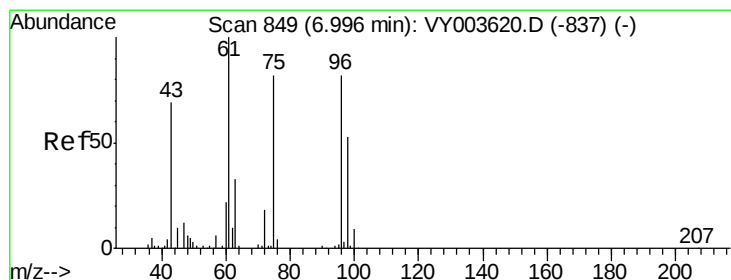
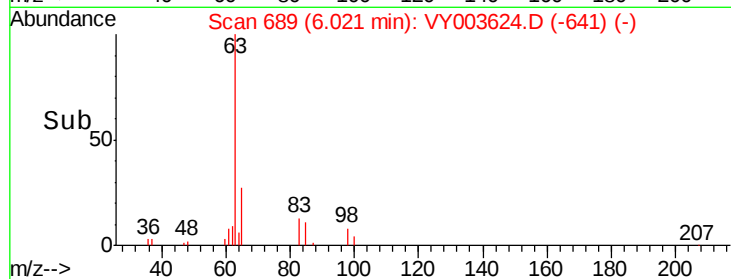
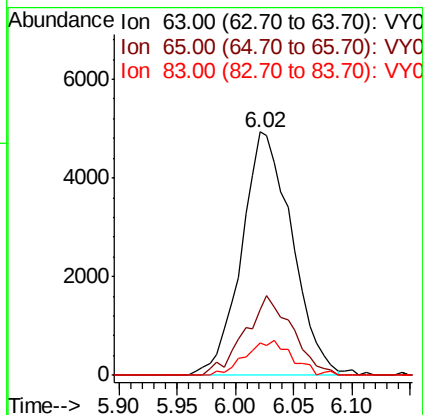
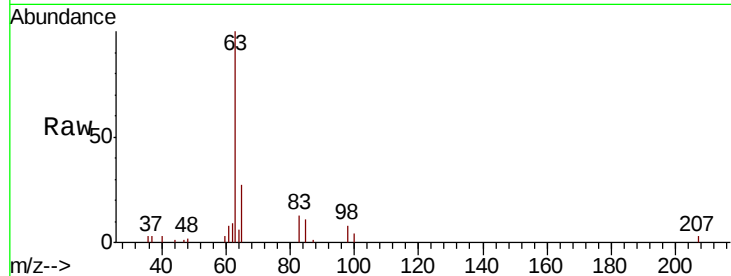




#19
 1,1-Dichloroethane
 Concen: 2.606 ug/L
 RT: 6.02 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

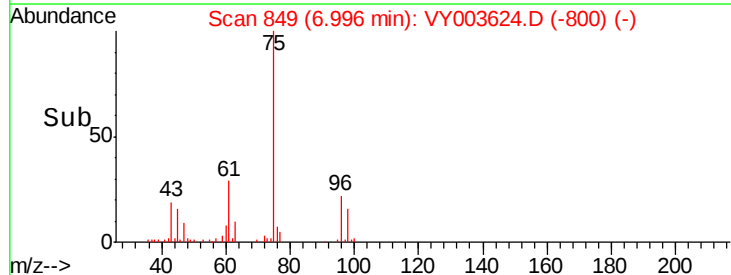
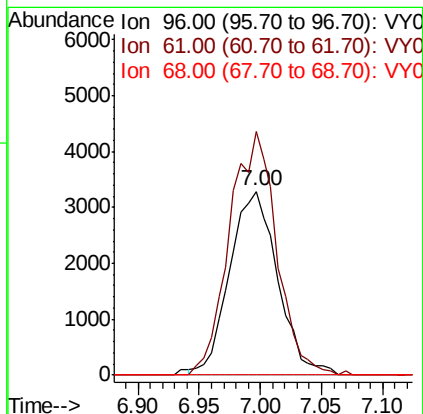
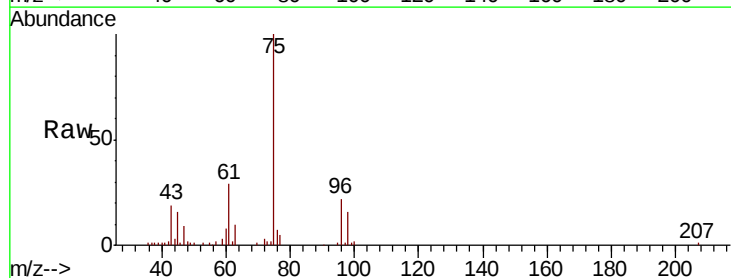
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

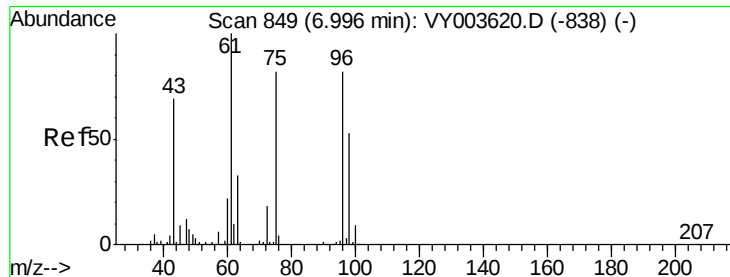
Tot Ion: 63 Resp: 14814
 Ion Ratio Lower Upper
 63 100
 65 27.2 21.9 40.7
 83 13.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.567 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion: 96 Resp: 8964
 Ion Ratio Lower Upper
 96 100
 61 132.6 85.8 159.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.203 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

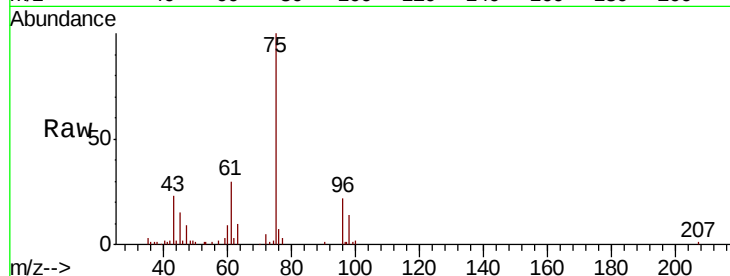
VSTD2.5403

Tot Ion: 43 Resp: 8003

Ion Ratio Lower Upper

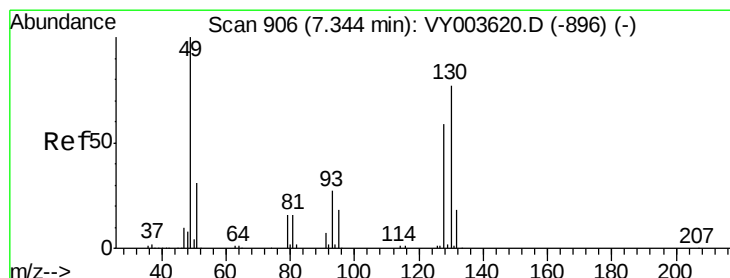
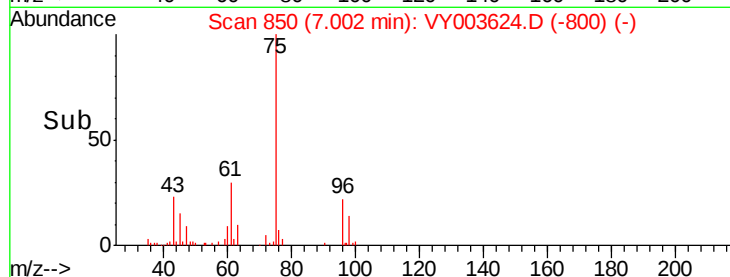
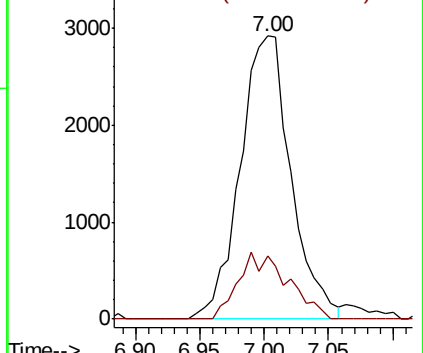
43 100

72 10.6 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: 2.721 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Tgt Ion:128 Resp: 4651

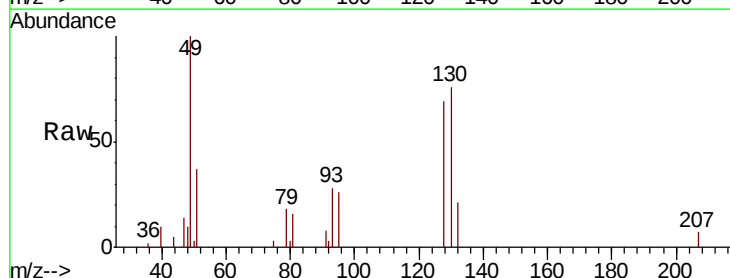
Ion Ratio Lower Upper

128 100

49 144.9 118.1 219.3

130 110.6 90.5 168.1

51 53.9 41.3 61.9

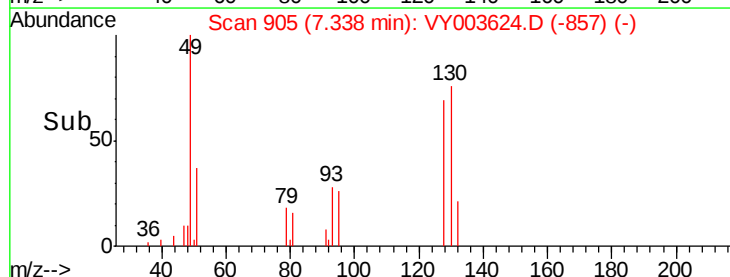
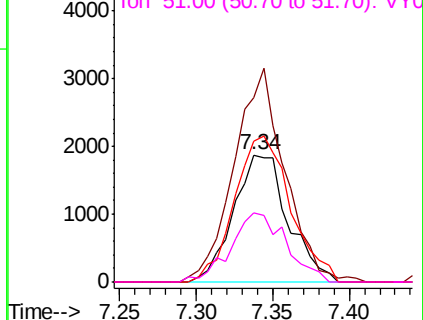


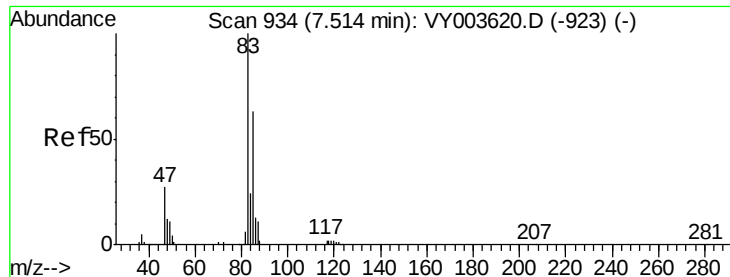
Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.637 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

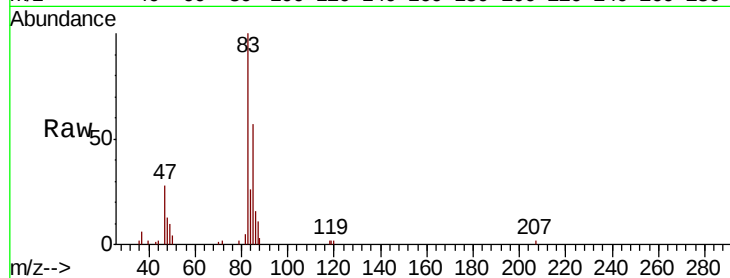
VSTD2.5403

Tot Ion: 83 Resp: 15062

Ion Ratio Lower Upper

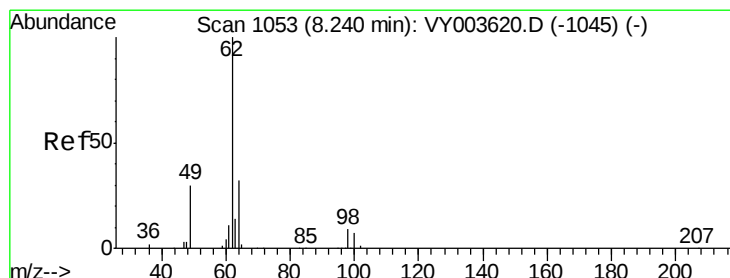
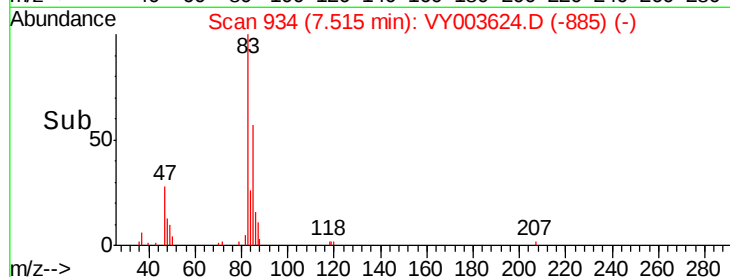
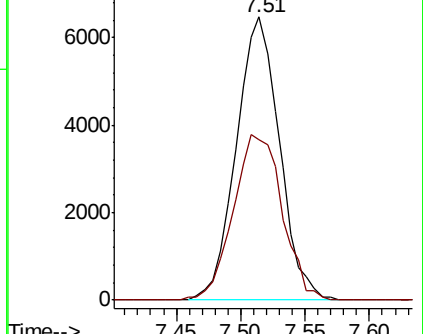
83 100

85 56.5 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: 2.621 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003624.D

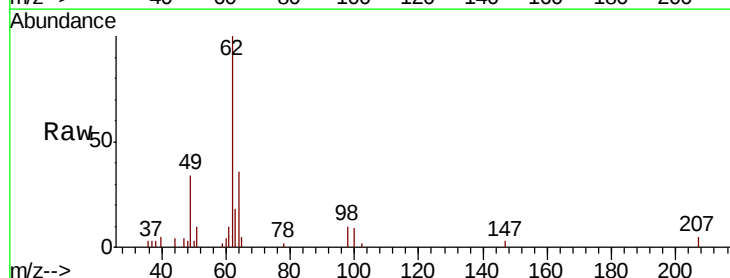
Acq: 25 Nov 2020 15:18

Tgt Ion: 62 Resp: 9943

Ion Ratio Lower Upper

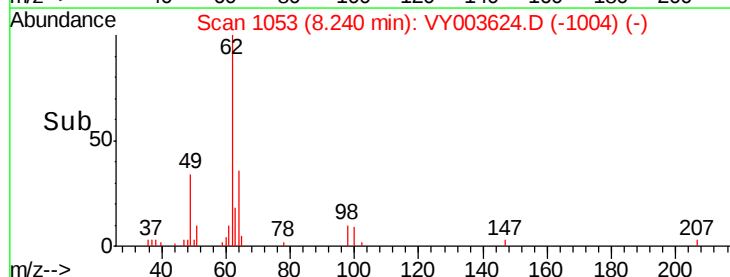
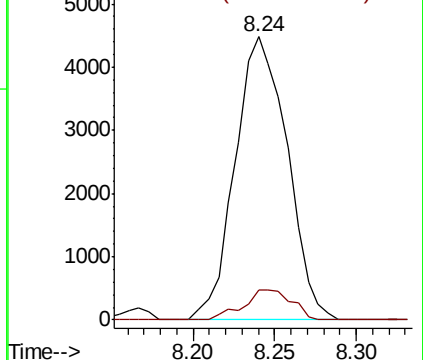
62 100

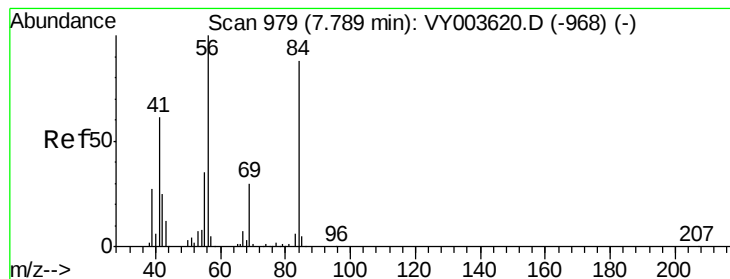
98 10.5 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 2.424 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

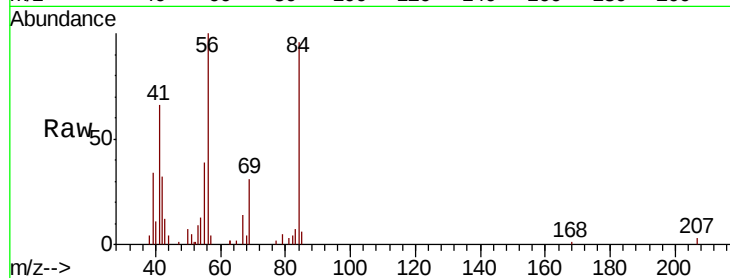
Tot Ion: 56 Resp: 12611

Ion Ratio Lower Upper

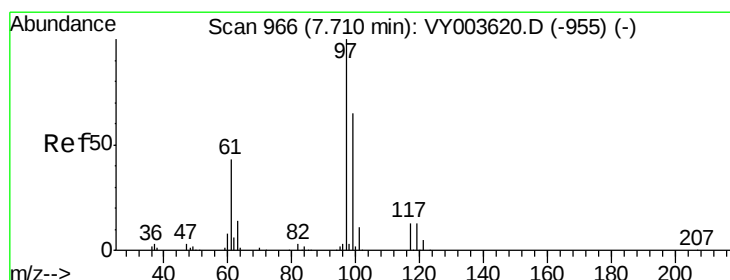
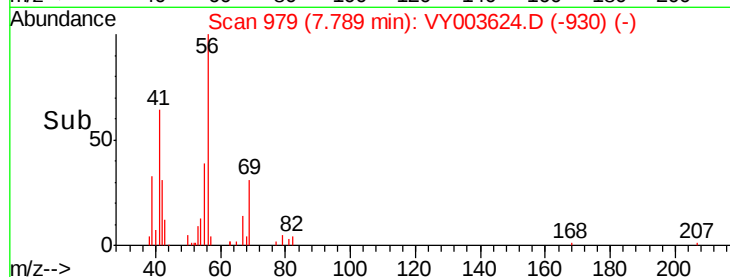
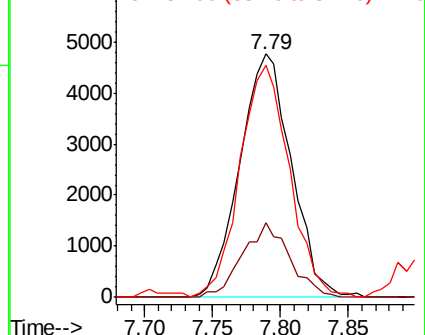
56 100

69 28.0 23.9 35.9

84 91.3 71.9 107.9



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



#30

1,1,1-Trichloroethane

Concen: 2.568 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

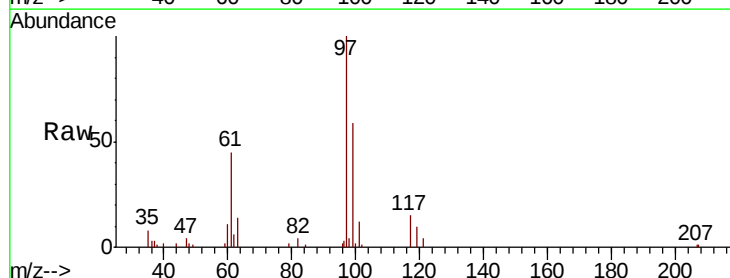
Tgt Ion: 97 Resp: 13143

Ion Ratio Lower Upper

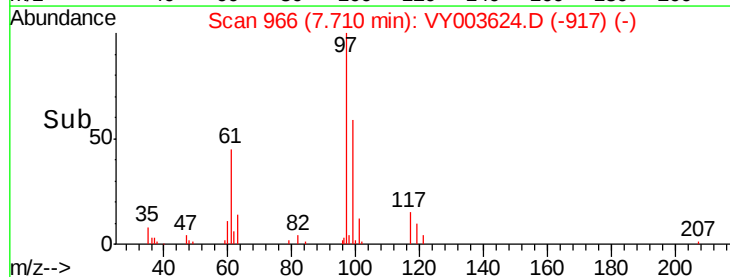
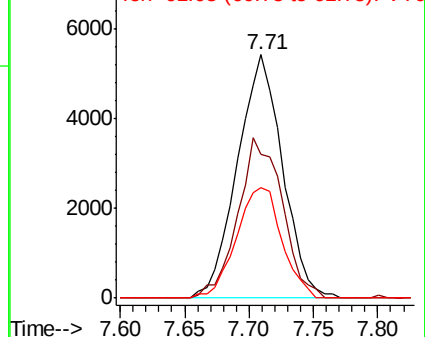
97 100

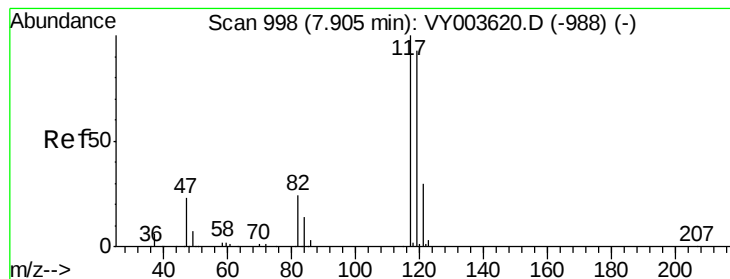
99 64.7 50.6 76.0

61 45.6 34.3 51.5



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





#31

Carbon tetrachloride

Concen: 2.683 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

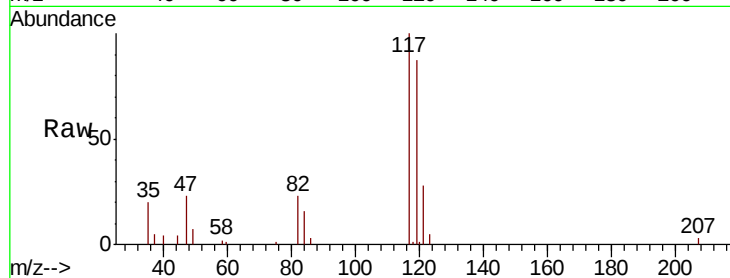
VSTD2.5403

Tot Ion:117 Resp: 12444

Ion Ratio Lower Upper

117 100

119 92.4 77.7 116.5

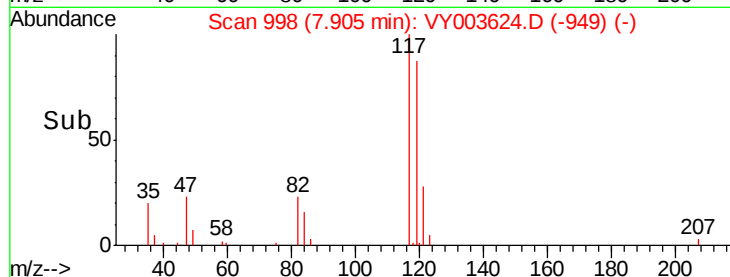


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.90

Time-->



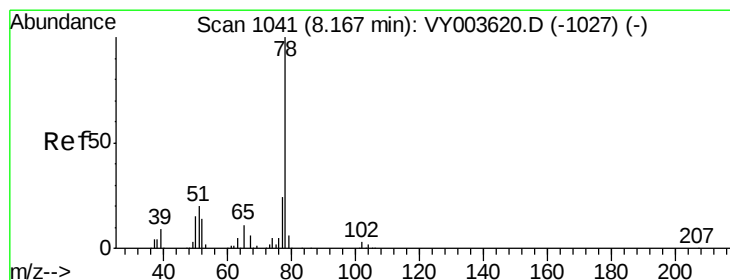
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.90

Time-->



#33

Benzene

Concen: 2.539 ug/L

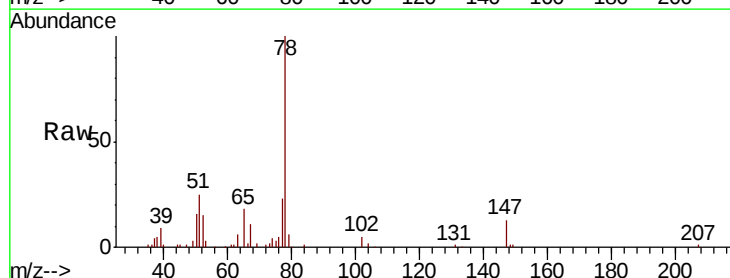
RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

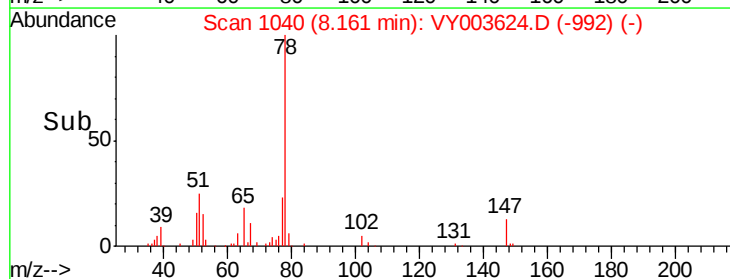
Tgt Ion: 78 Resp: 33672



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.16

Time-->

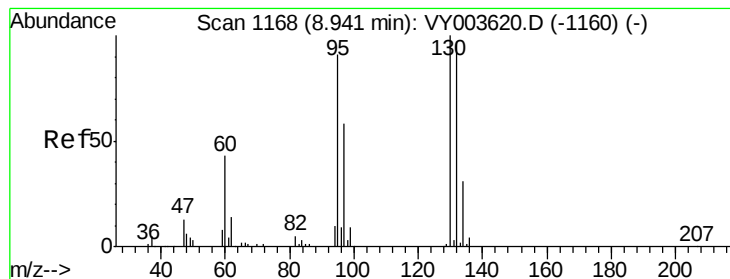


Abundance

Ion 78.00 (77.70 to 78.70): VY0

8.16

Time-->



#34

Trichloroethene

Concen: 2.638 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

Tot Ion: 95 Resp: 8701

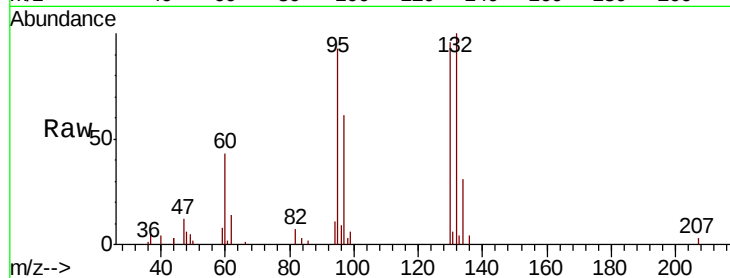
Ion Ratio Lower Upper

95 100

97 65.7 44.7 83.1

132 107.2 74.7 138.7

130 103.2 76.8 142.6

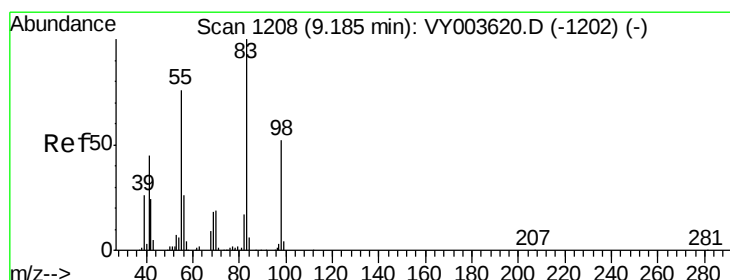
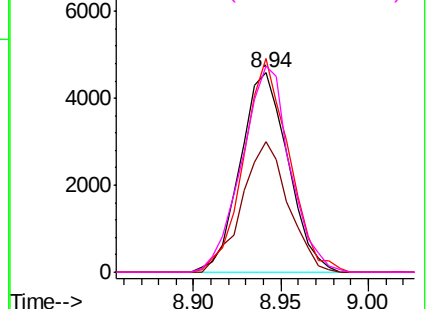
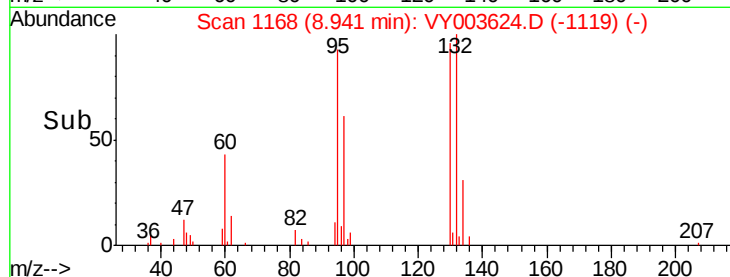


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35

Methylcyclohexane

Concen: 2.439 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

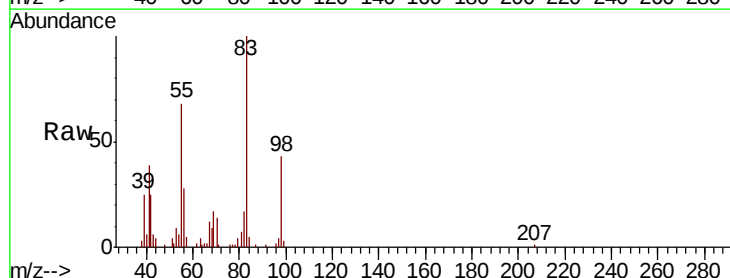
Tgt Ion: 83 Resp: 13903

Ion Ratio Lower Upper

83 100

55 75.3 58.3 87.5

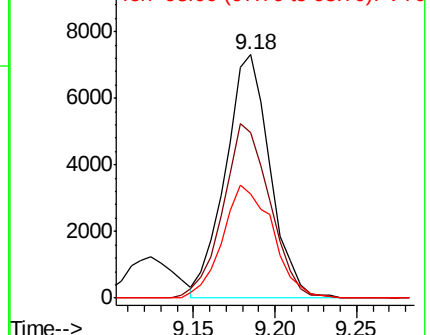
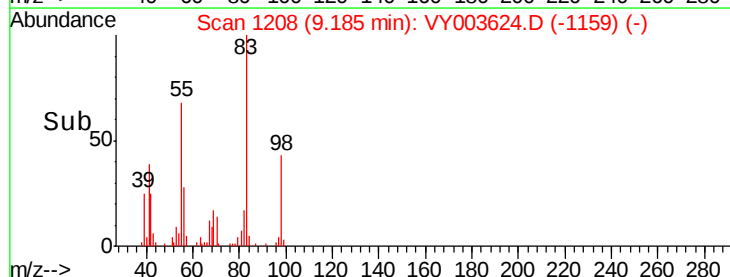
98 52.3 39.0 58.6

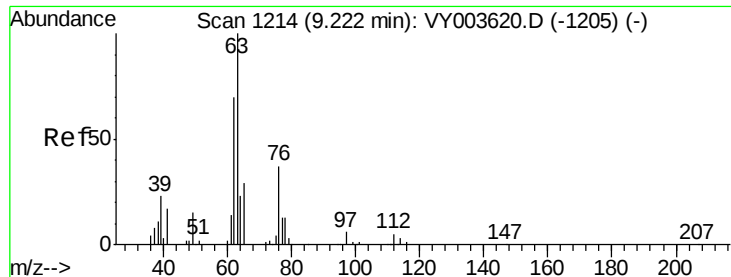


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

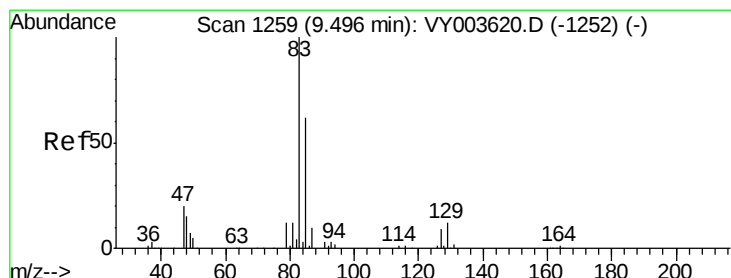
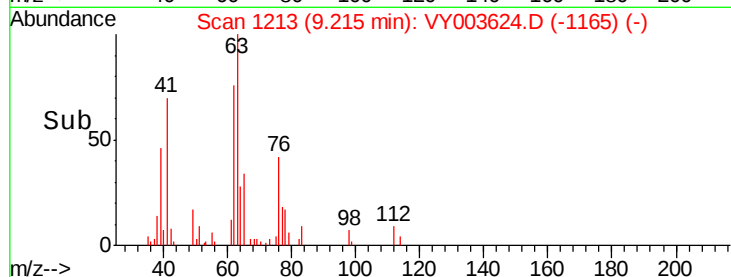
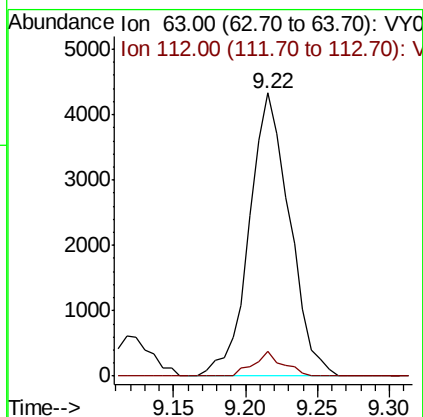
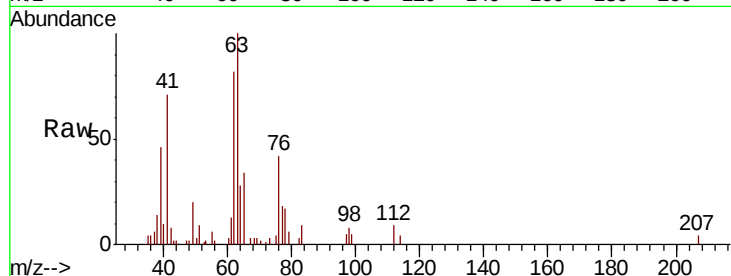




#37
 1,2-Dichloropropane
 Concen: 2.518 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

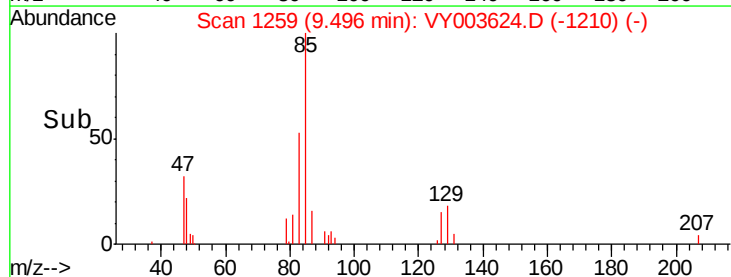
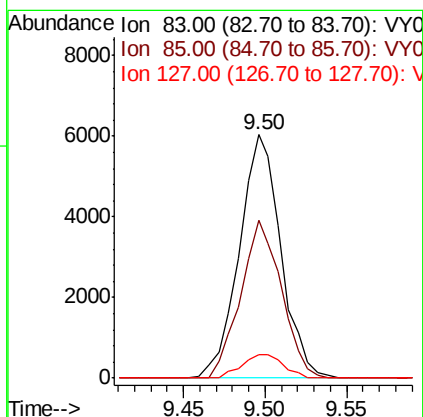
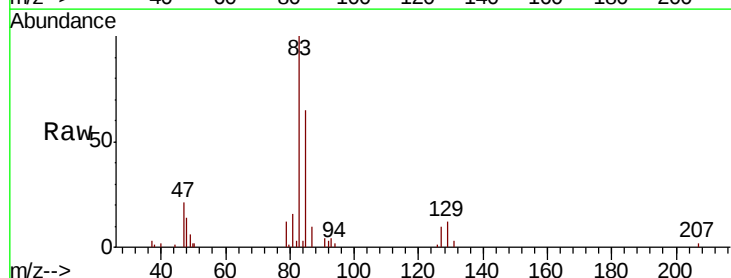
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

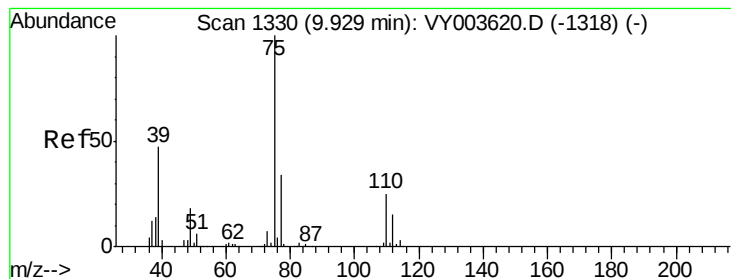
Tot Ion: 63 Resp: 8397
 Ion Ratio Lower Upper
 63 100
 112 6.2 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 2.515 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion: 83 Resp: 10695
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.1 80.1
 127 9.9 7.1 10.7



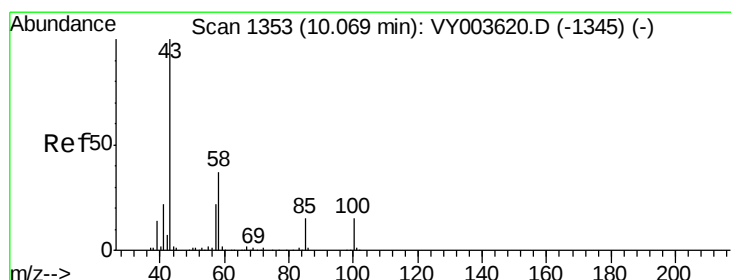
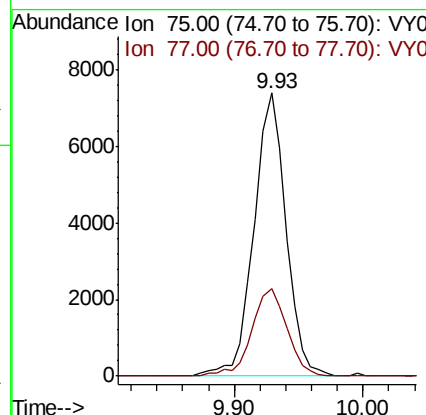
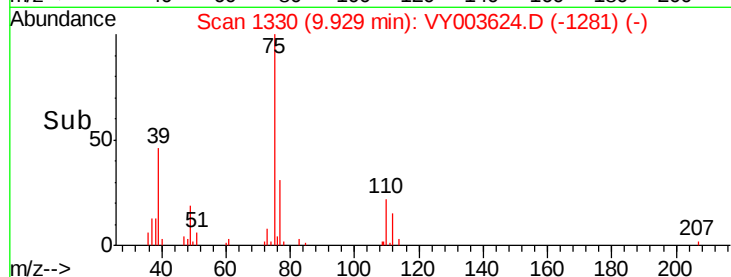
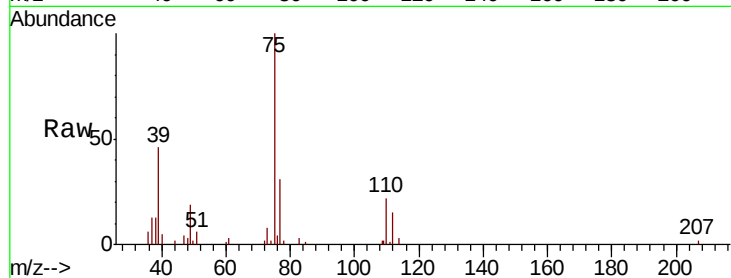


#39

cis-1,3-Dichloropropene
 Concen: 2.424 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

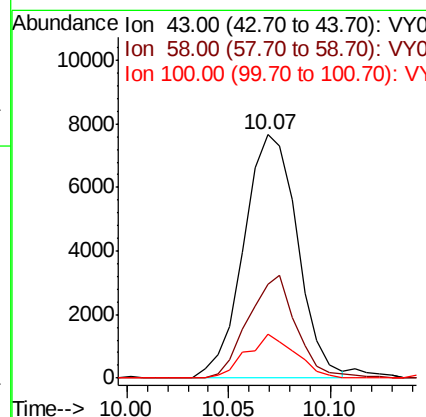
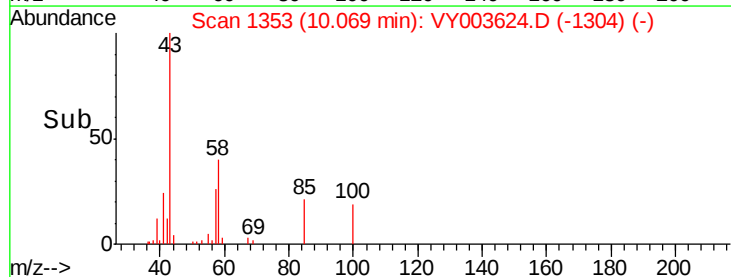
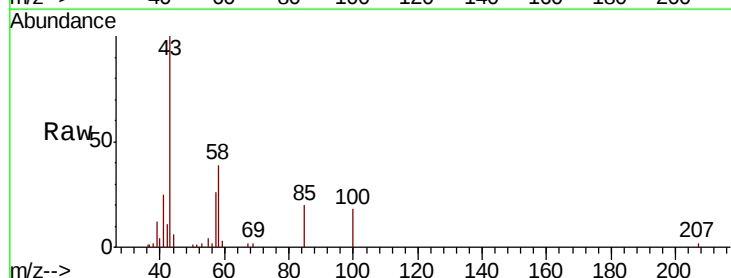
Tot Ion: 75 Resp: 12651
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.5 43.7

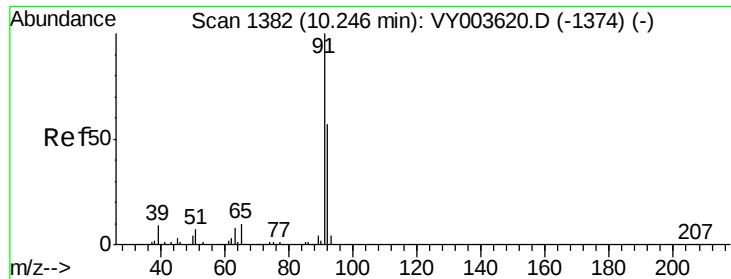


#40

4-Methyl-2-pentanone
 Concen: 4.757 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion: 43 Resp: 14010
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.7 46.1
 100 16.5 12.1 18.1





#42

Toluene

Concen: 2.474 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampled :

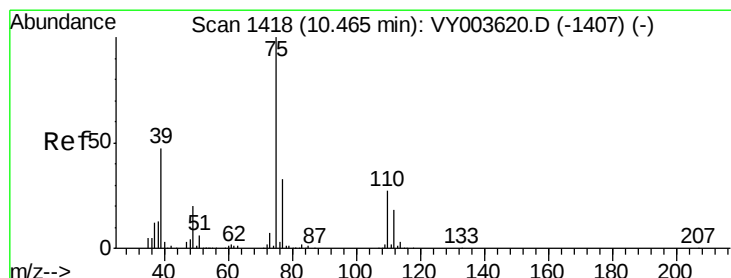
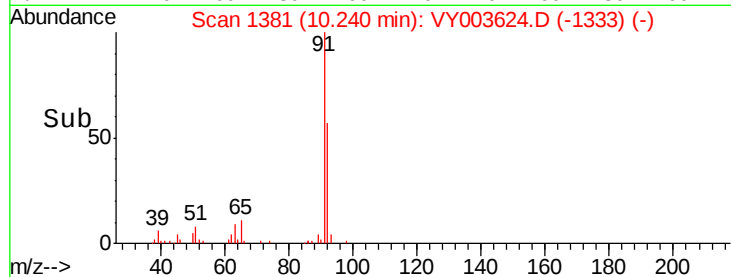
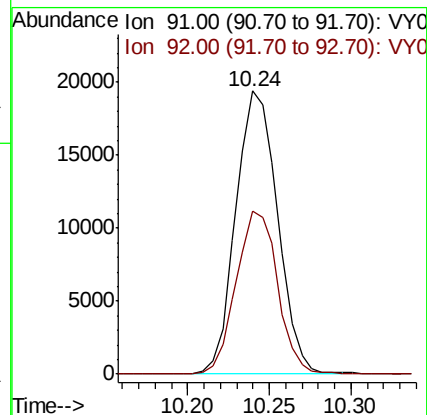
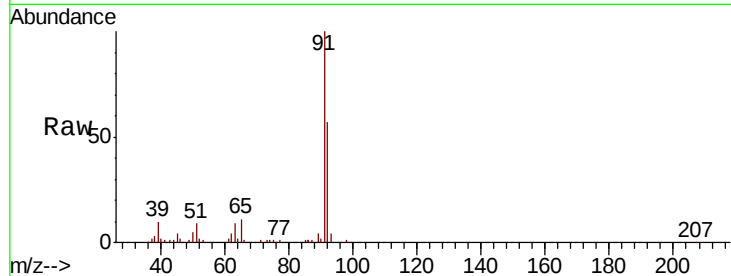
VSTD2.5403

Tot Ion: 91 Resp: 34685

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.440 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003624.D

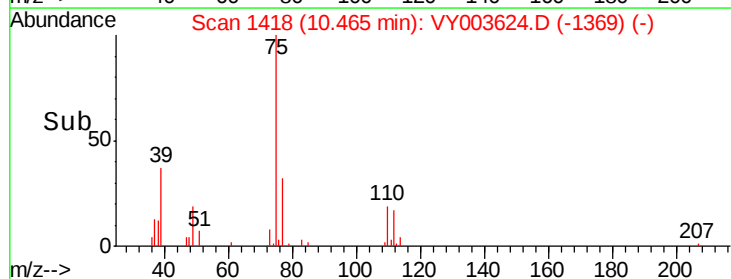
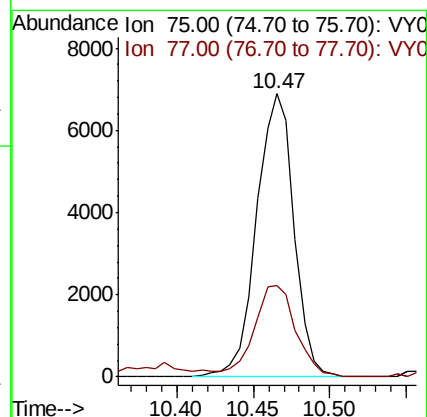
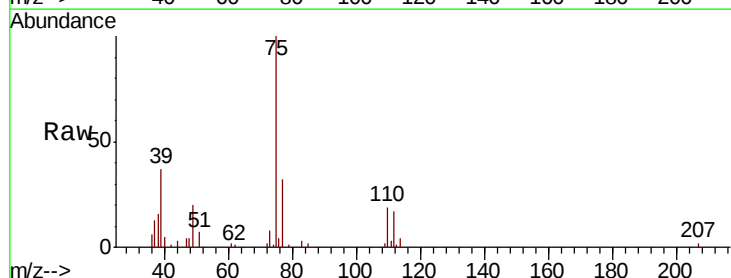
Acq: 25 Nov 2020 15:18

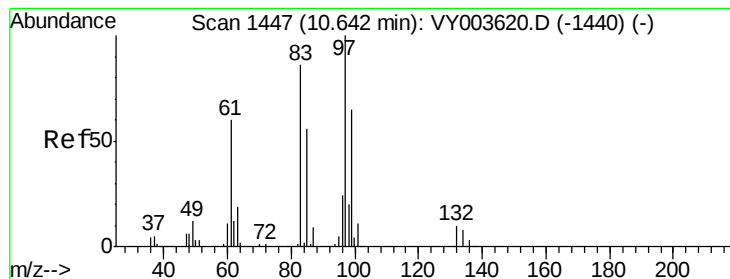
Tgt Ion: 75 Resp: 11686

Ion Ratio Lower Upper

75 100

77 32.1 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.555 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

Tot Ion: 97 Resp: 7088

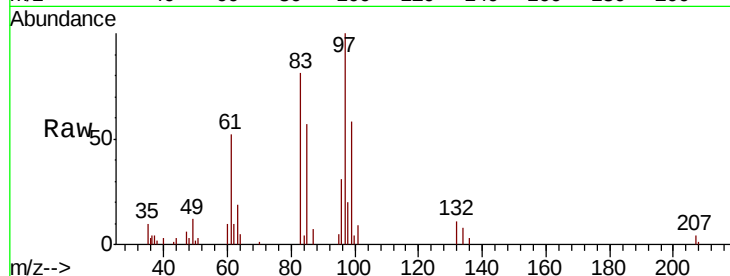
Ion Ratio Lower Upper

97 100

99 58.0 45.1 83.9

83 81.2 59.7 110.9

85 57.1 39.0 72.4

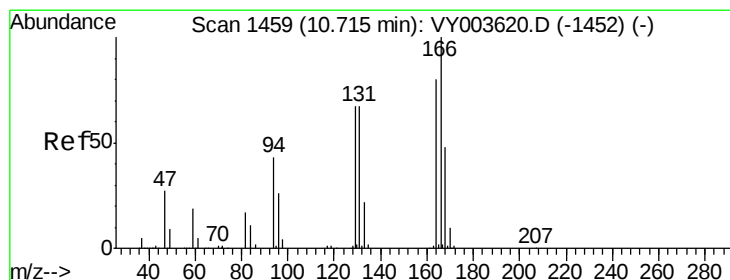
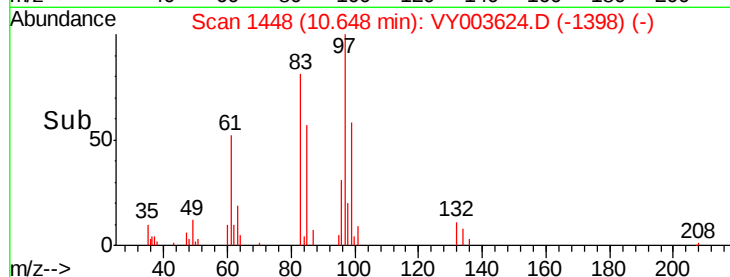
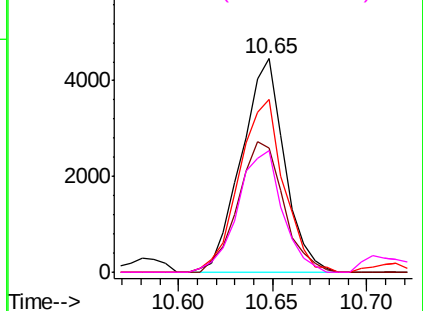


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 2.606 ug/L

RT: 10.72 min Scan# 1459

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Tgt Ion: 164 Resp: 7482

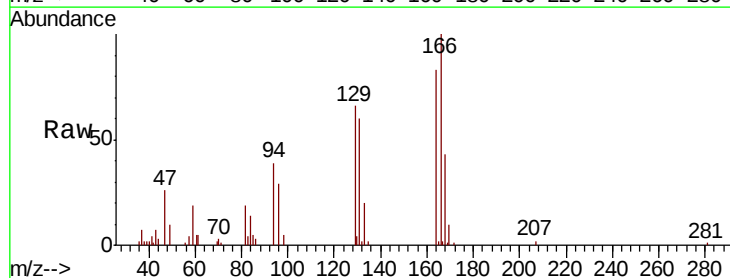
Ion Ratio Lower Upper

164 100

129 79.5 58.9 109.5

131 72.5 59.0 109.6

166 120.0 87.8 163.0

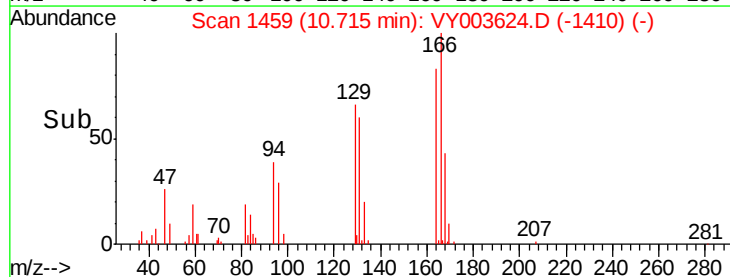
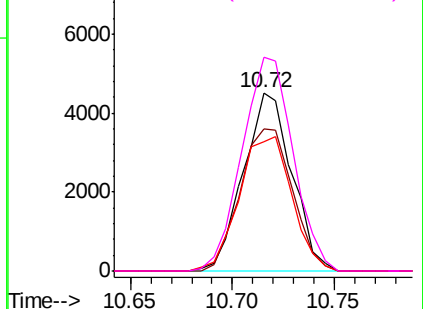


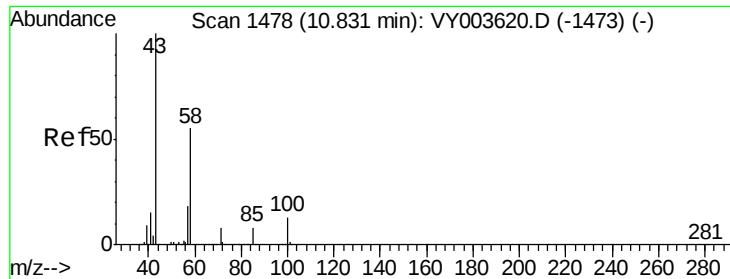
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

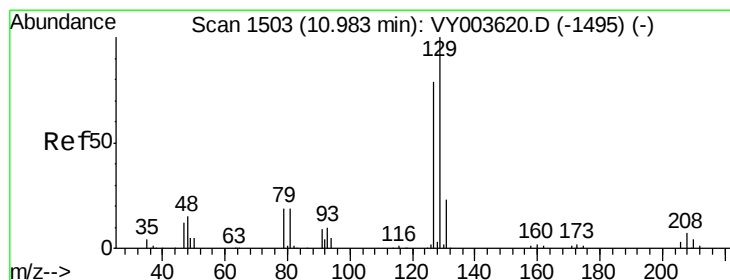
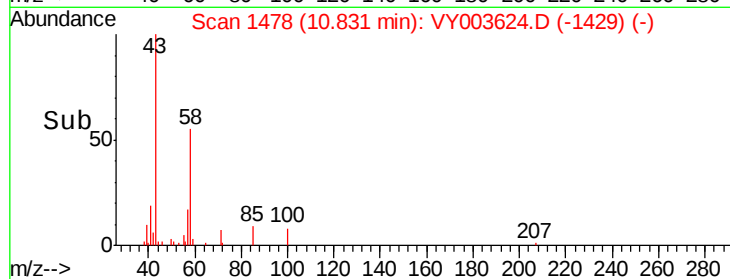
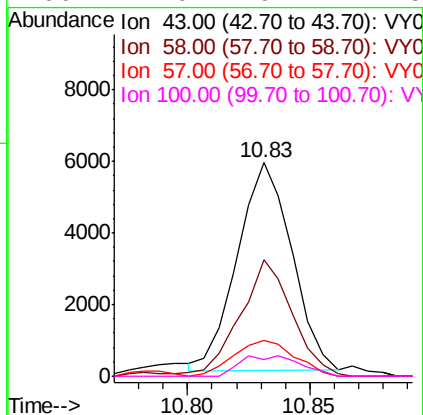
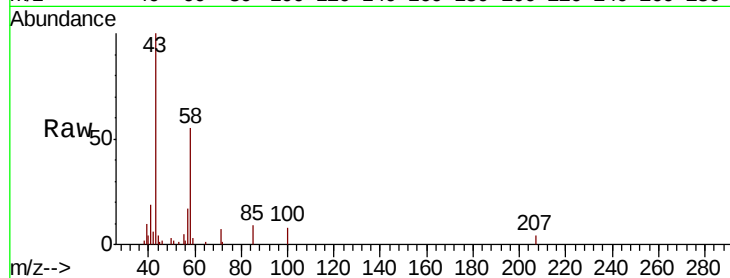




#48
2-Hexanone
Concen: 4.275 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

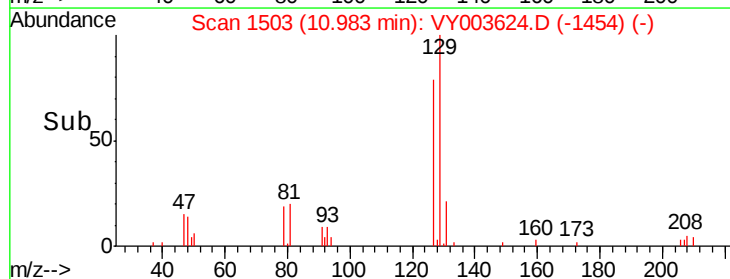
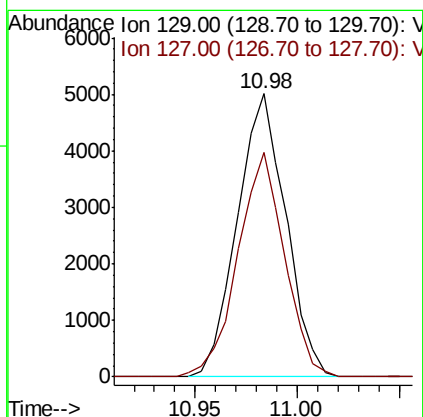
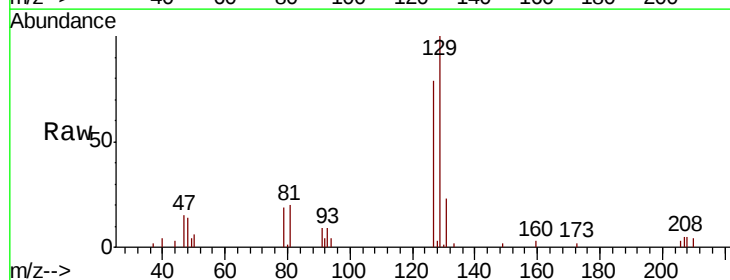
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

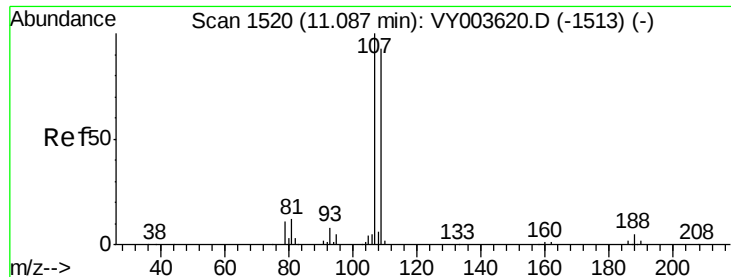
Tot Ion:	43	Resp:	8983
Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.0	64.6
57	19.4	14.6	21.8
100	11.0	9.7	14.5



#49
Dibromochloromethane
Concen: 2.538 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

Tgt Ion:	129	Resp:	8270
Ion	Ratio	Lower	Upper
129	100		
127	79.3	55.0	102.2

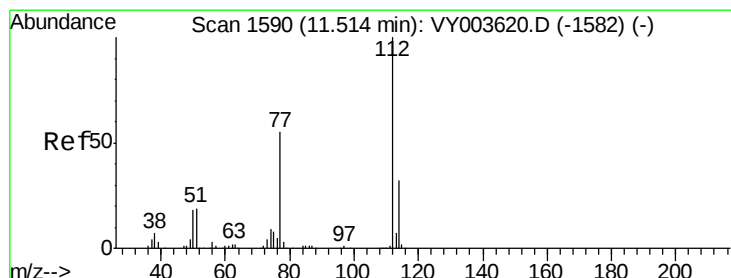
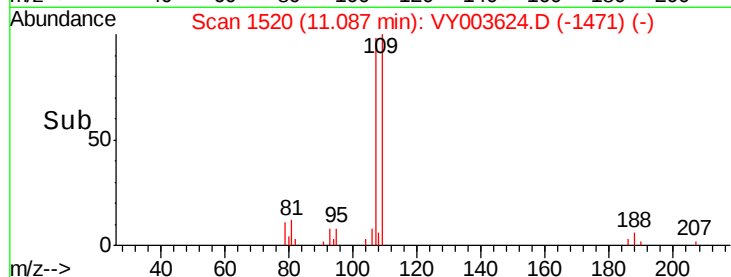
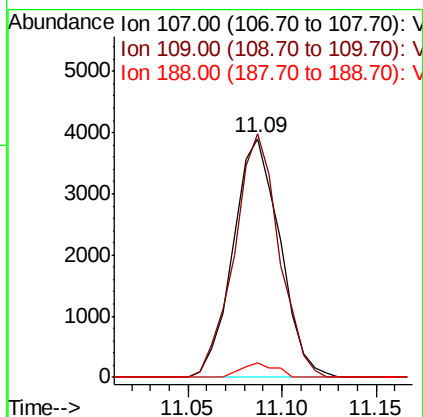
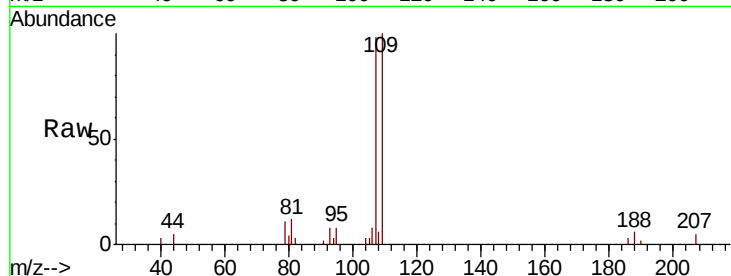




#50
 1,2-Dibromoethane
 Concen: 2.524 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

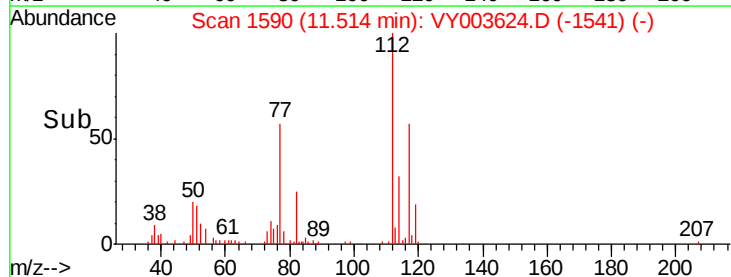
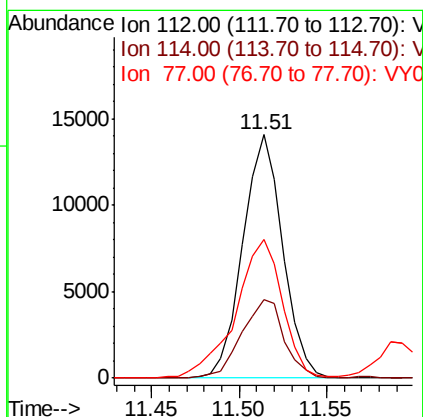
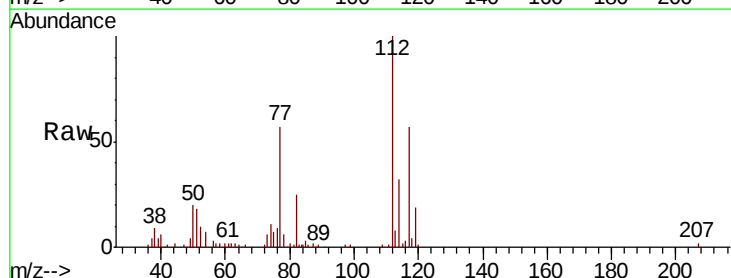
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

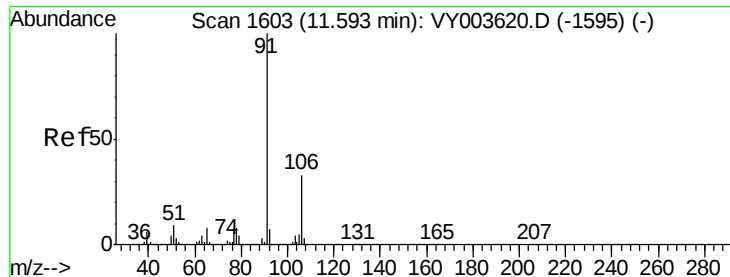
Tot Ion	Ratio	Lower	Upper
107	100		
109	101.8	65.5	121.7
188	6.2	3.8	5.8#



#51
 Chlorobenzene
 Concen: 2.517 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	56.9	43.8	65.6





#52

Ethylbenzene

Concen: 2.440 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

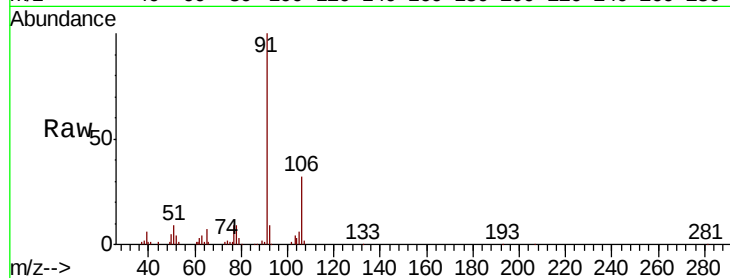
VSTD2.5403

Tot Ion: 91 Resp: 36744

Ion Ratio Lower Upper

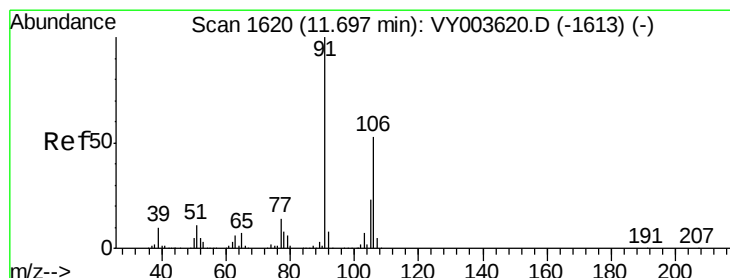
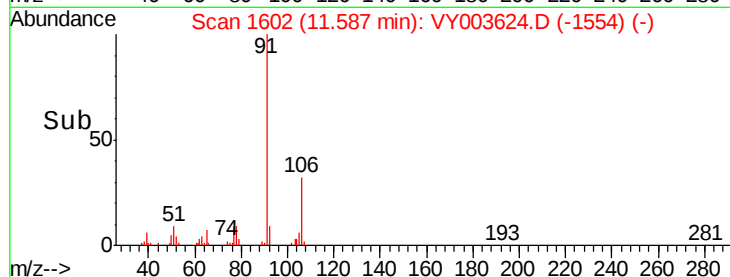
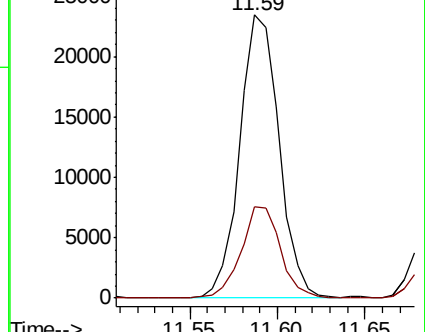
91 100

106 32.2 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VY003620.D (-1595) (-)

Ion 106.00 (105.70 to 106.70): VY003620.D (-1595) (-)



#53

m,p-Xylene

Concen: 2.383 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VY003624.D

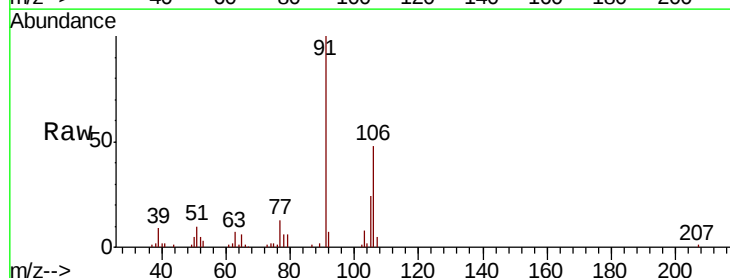
Acq: 25 Nov 2020 15:18

Tgt Ion: 106 Resp: 13750

Ion Ratio Lower Upper

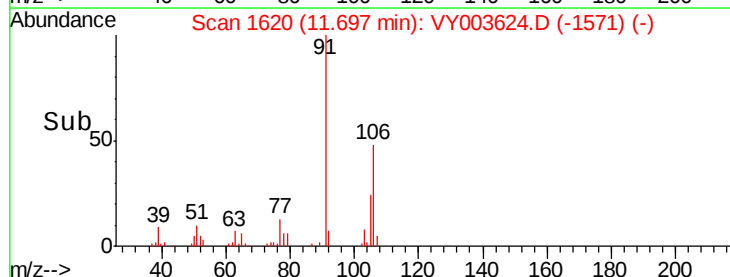
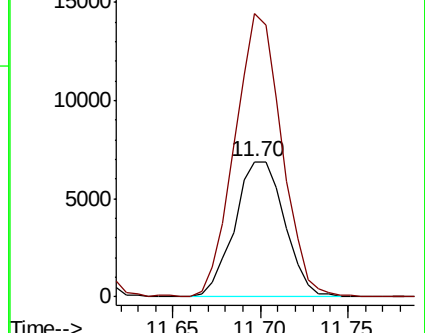
106 100

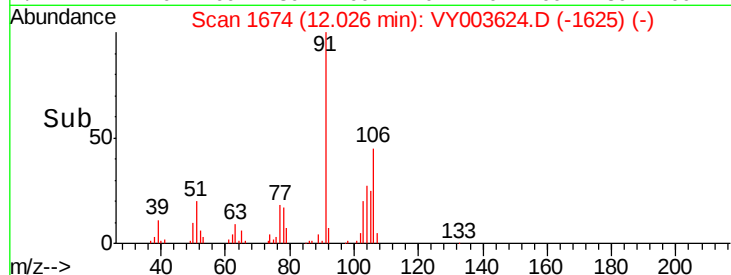
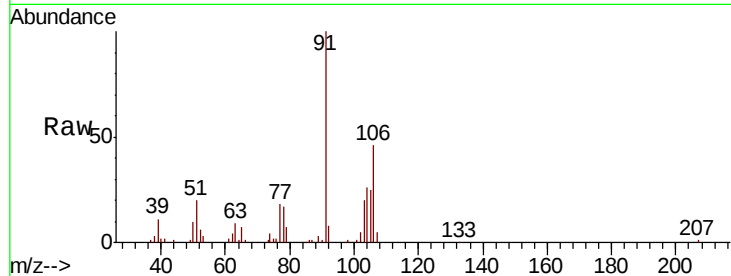
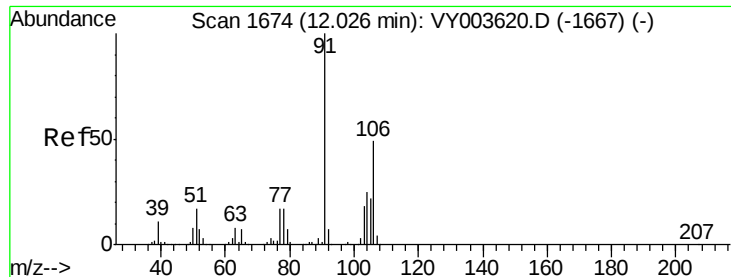
91 209.2 133.1 247.3



Abundance Ion 106.00 (105.70 to 106.70): VY003620.D (-1613) (-)

Ion 91.00 (90.70 to 91.70): VY003620.D (-1613) (-)

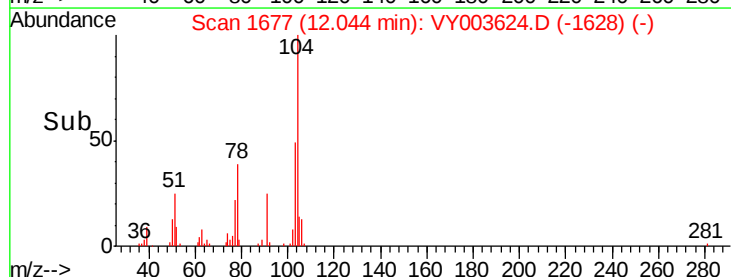
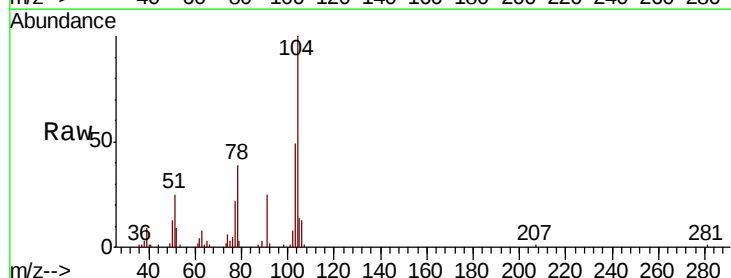
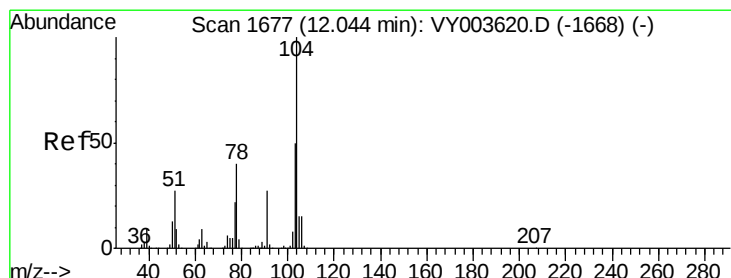
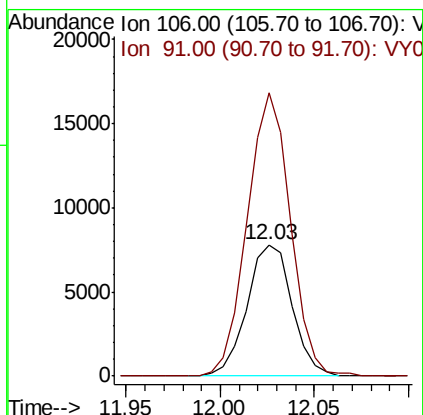




#54
o-Xylene
Concen: 2.359 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

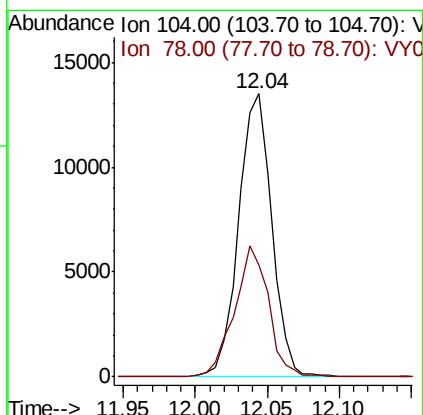
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5403

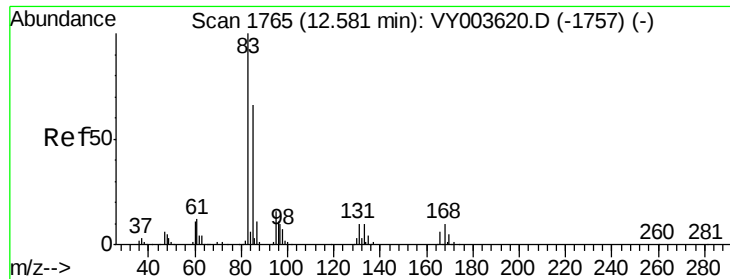
Tot Ion:106 Resp: 12956
Ion Ratio Lower Upper
106 100
91 215.8 144.1 267.5



#55
Styrene
Concen: 2.294 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003624.D
Acq: 25 Nov 2020 15:18

Tgt Ion:104 Resp: 21596
Ion Ratio Lower Upper
104 100
78 39.5 27.6 51.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.577 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

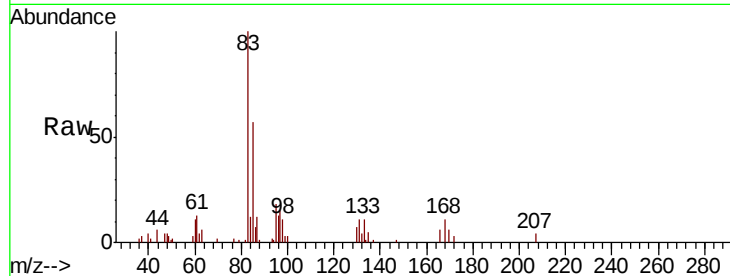
Tot Ion: 83 Resp: 9443

Ion Ratio Lower Upper

83 100

85 57.3 46.1 85.7

131 11.3 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003624.D (-1757) (-)

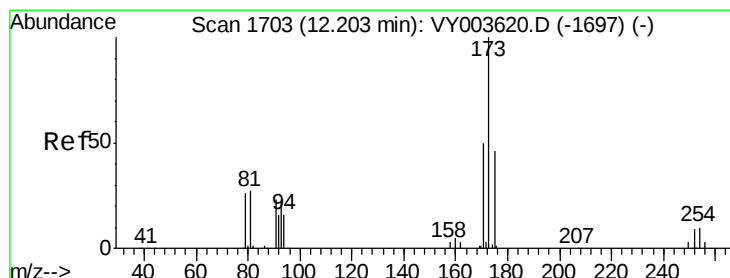
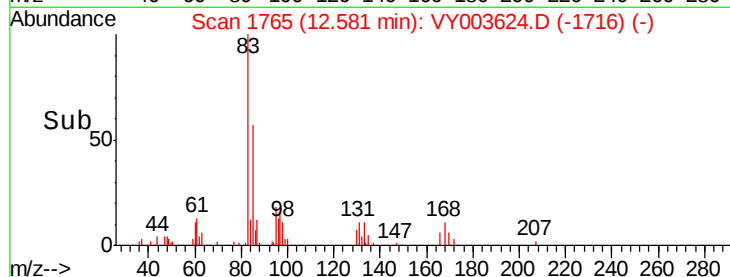
Ion 85.00 (84.70 to 85.70): VY003624.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003624.D (-1757) (-)

12.58

12.58

Time-->



#59

Bromoform

Concen: 2.467 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

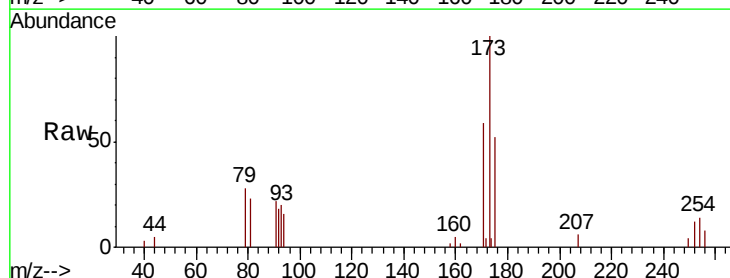
Tgt Ion: 173 Resp: 5294

Ion Ratio Lower Upper

173 100

175 53.5 38.2 57.4

254 10.3 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): VY003624.D (-1697) (-)

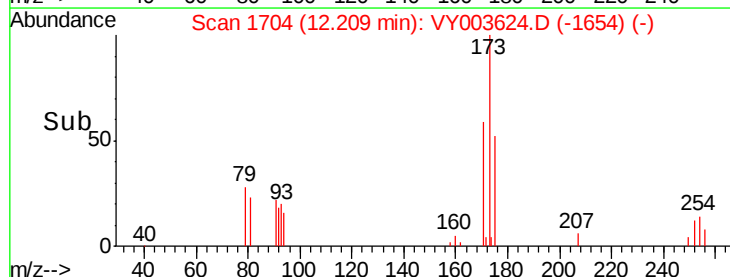
Ion 175.00 (174.70 to 175.70): VY003624.D (-1697) (-)

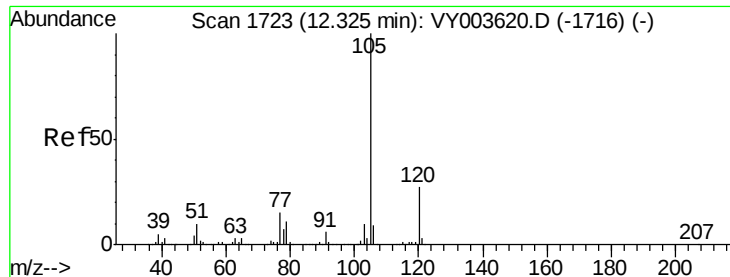
Ion 254.00 (253.70 to 254.70): VY003624.D (-1697) (-)

12.21

12.21

Time-->





#60

Isopropylbenzene

Concen: 2.374 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

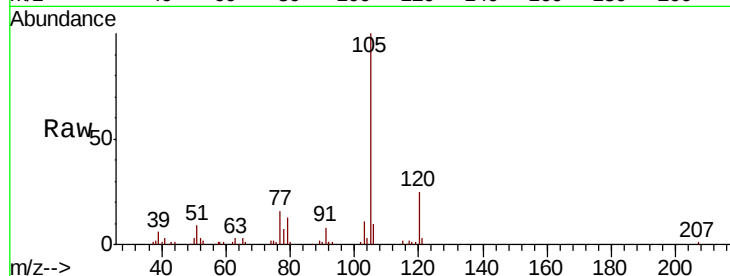
Tot Ion:105 Resp: 33618

Ion Ratio Lower Upper

105 100

120 26.5 22.0 33.0

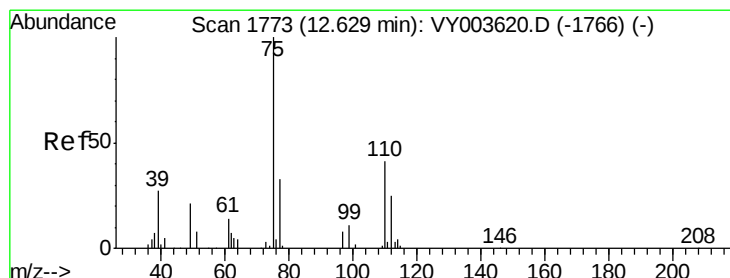
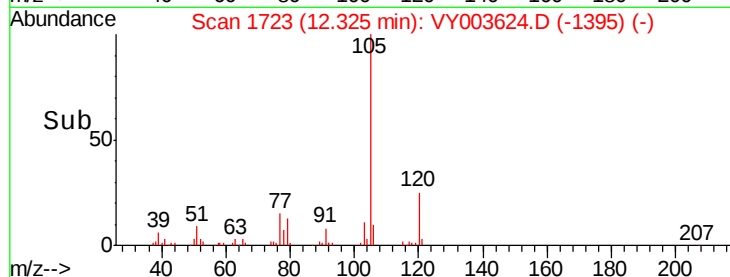
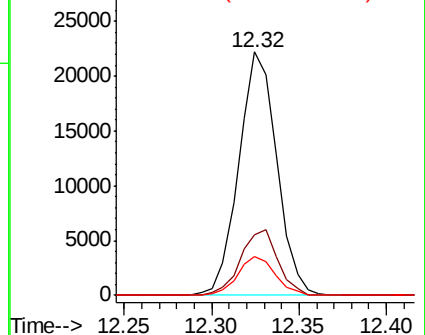
77 15.9 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.644 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

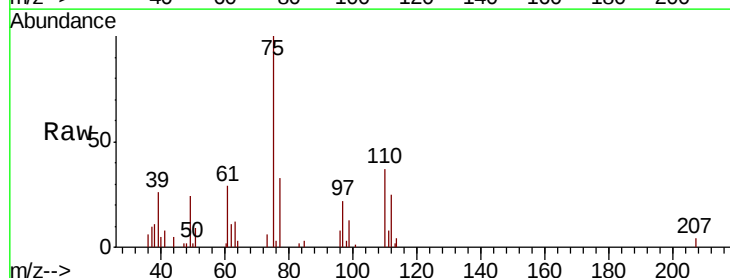
Tgt Ion: 75 Resp: 6811

Ion Ratio Lower Upper

75 100

77 33.5 26.3 39.5

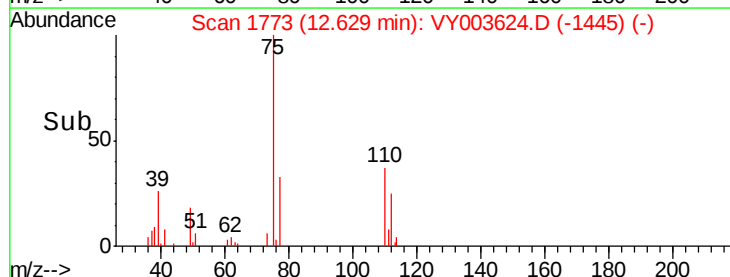
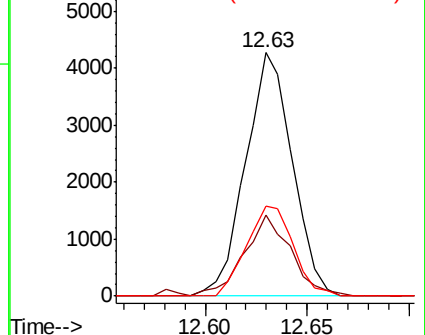
110 37.1 33.0 49.4

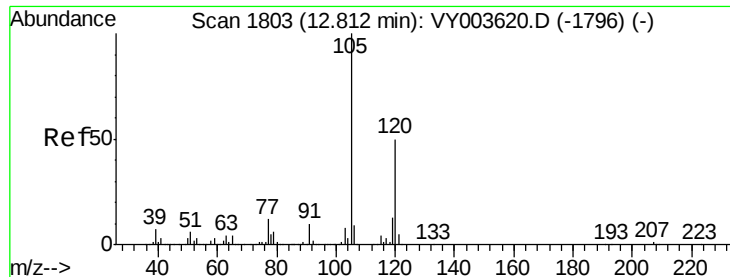


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.290 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

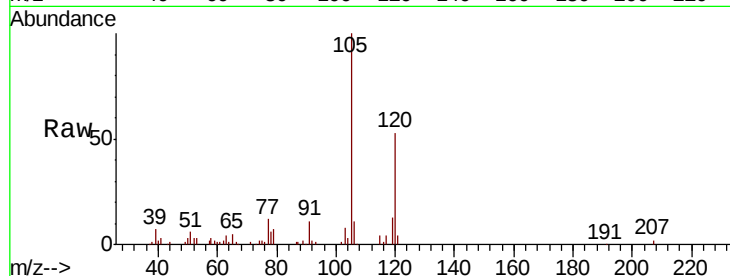
VSTD2.5403

Tot Ion:105 Resp: 25506

Ion Ratio Lower Upper

105 100

120 52.0 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.81

15000

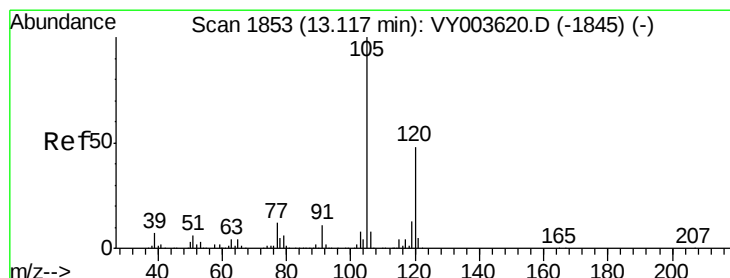
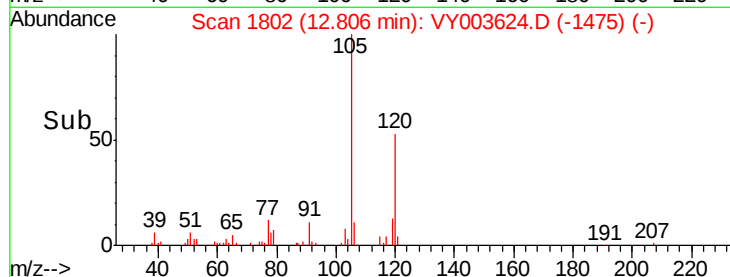
10000

5000

0

Time-->

12.75 12.80 12.85



#63

1,2,4-Trimethylbenzene

Concen: 2.308 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003624.D

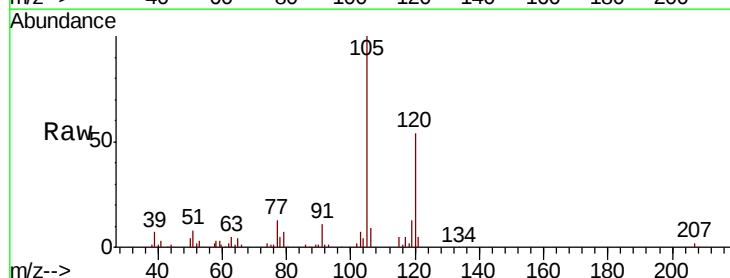
Acq: 25 Nov 2020 15:18

Tgt Ion:105 Resp: 25262

Ion Ratio Lower Upper

105 100

120 46.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.12

15000

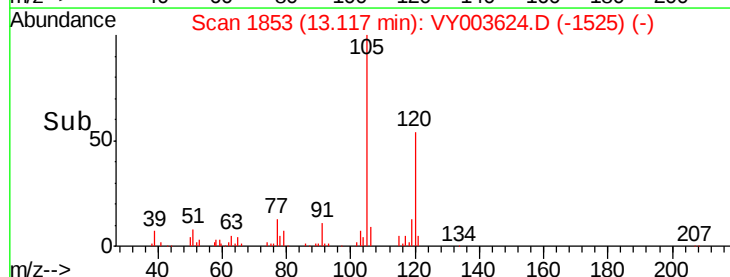
10000

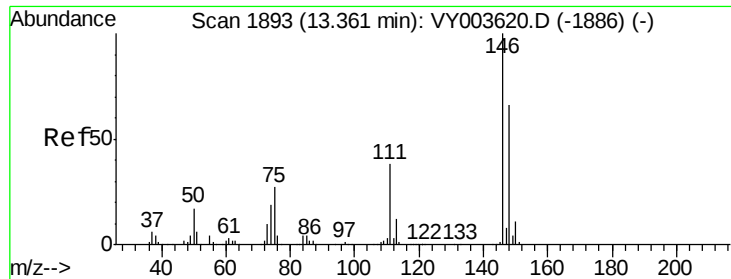
5000

0

Time-->

13.05 13.10 13.15





#64

1,3-Dichlorobenzene

Concen: 2.536 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

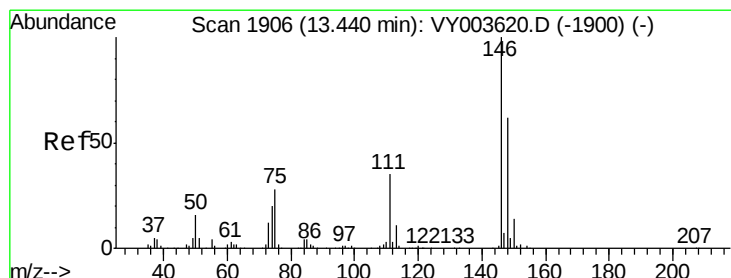
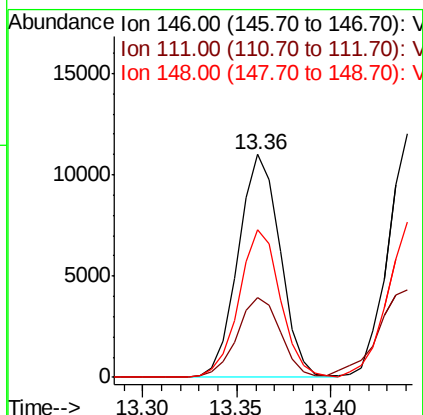
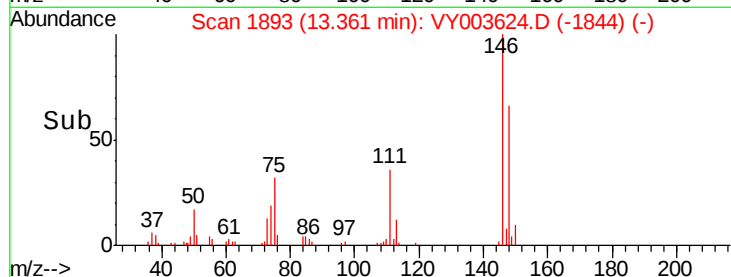
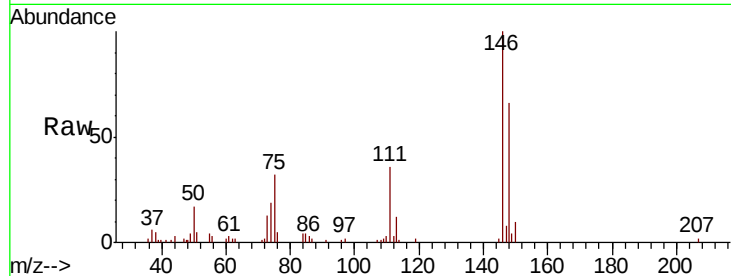
Tot Ion:146 Resp: 17048

Ion Ratio Lower Upper

146 100

111 35.5 26.6 49.4

148 66.0 46.3 86.1



#65

1,4-Dichlorobenzene

Concen: 2.707 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

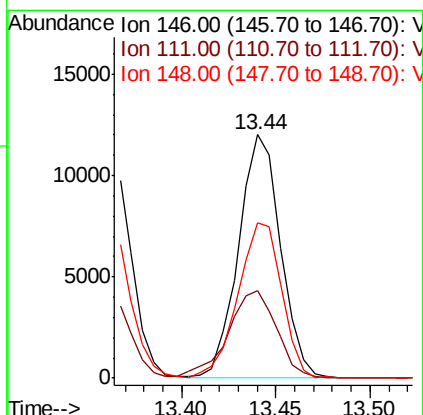
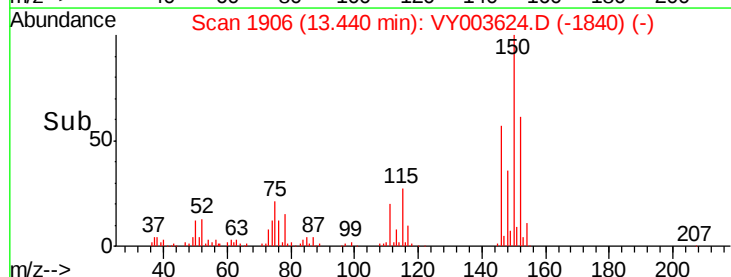
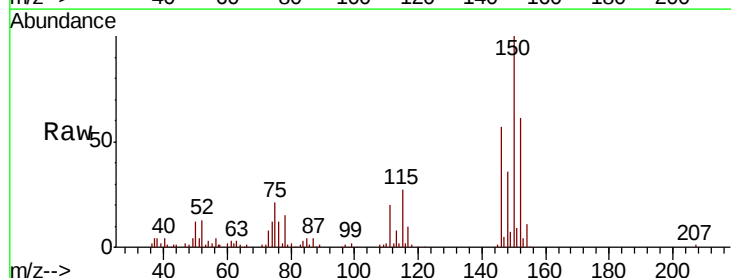
Tgt Ion:146 Resp: 18637

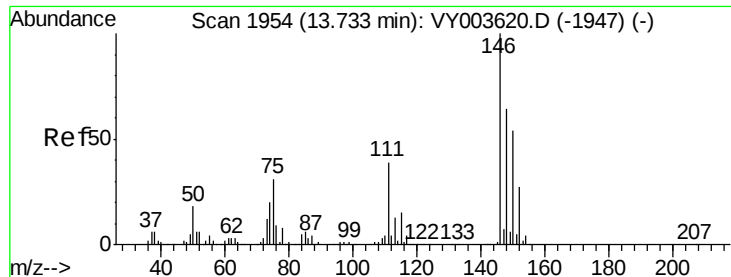
Ion Ratio Lower Upper

146 100

111 35.8 24.7 45.9

148 63.5 43.4 80.6

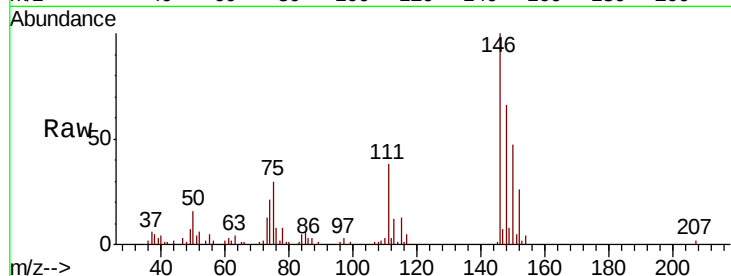




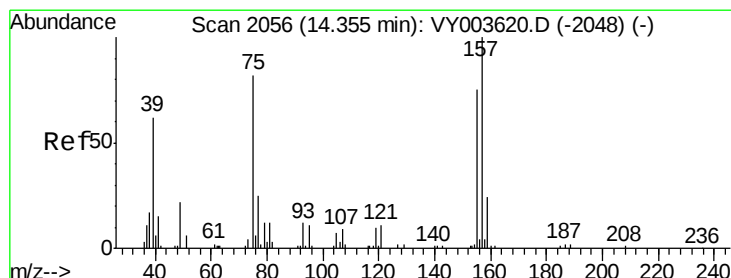
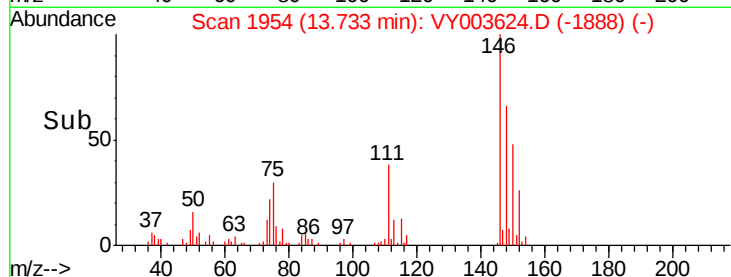
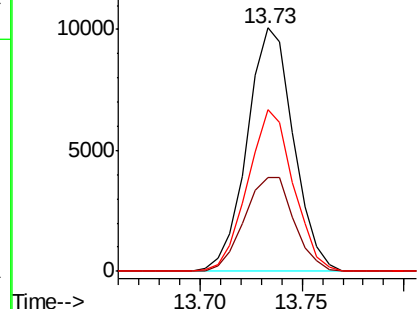
#67
 1,2-Dichlorobenzene
 Concen: 2.551 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD2.5403

Tot Ion:146 Resp: 15910
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.0 46.6
 148 66.3 51.0 76.4

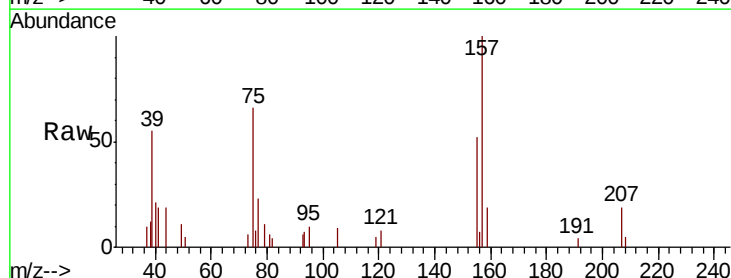


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

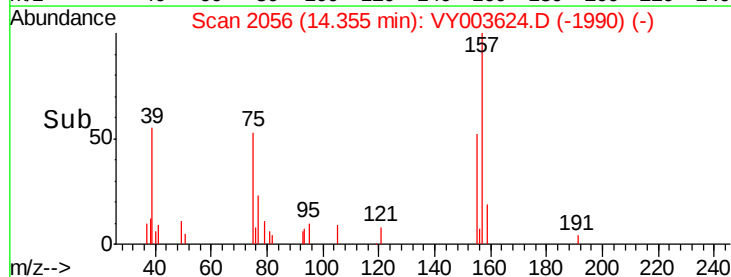
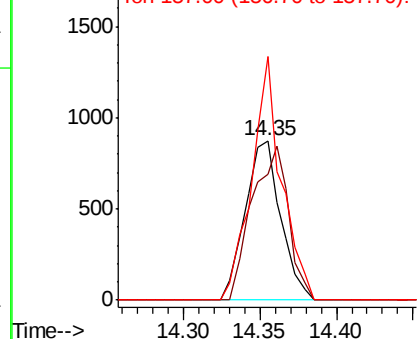


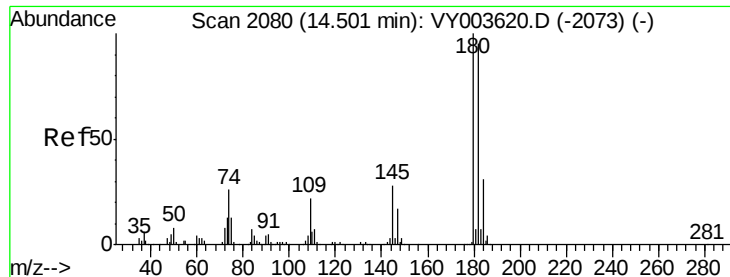
#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.392 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion: 75 Resp: 1400
 Ion Ratio Lower Upper
 75 100
 155 78.6 73.4 110.0
 157 152.6 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

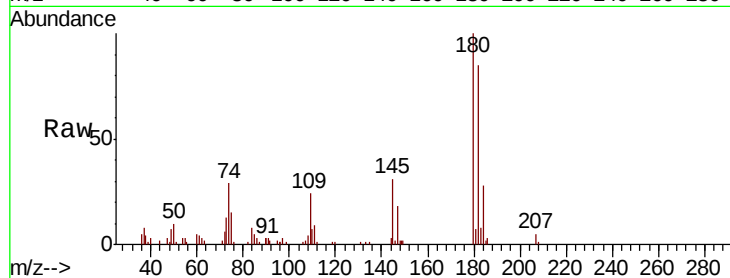




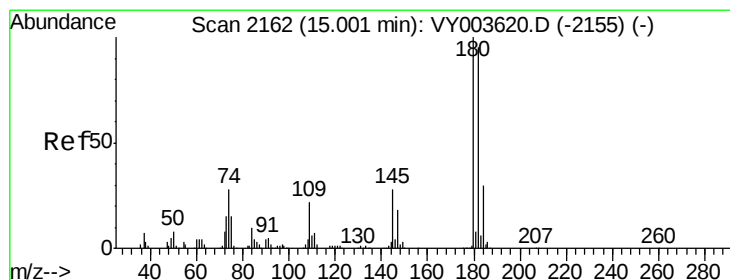
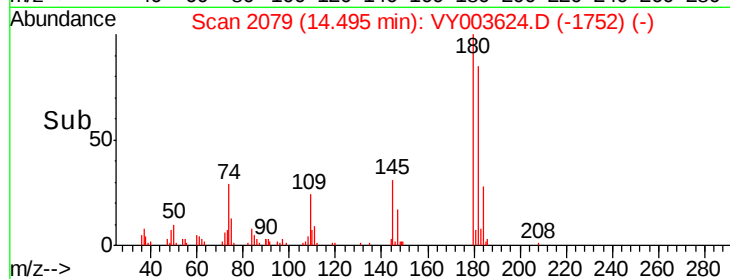
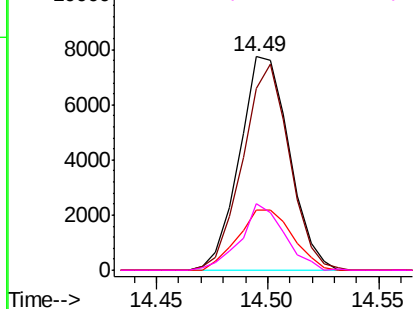
#69
 1,3,5-Trichlorobenzene
 Concen: 2.604 ug/L
 RT: 14.49 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Tot Ion:180	Resp:	12110
Ion Ratio	Lower	Upper
180	100	
182	90.3	75.4 113.0
184	31.0	24.1 36.1
145	27.2	22.4 33.6

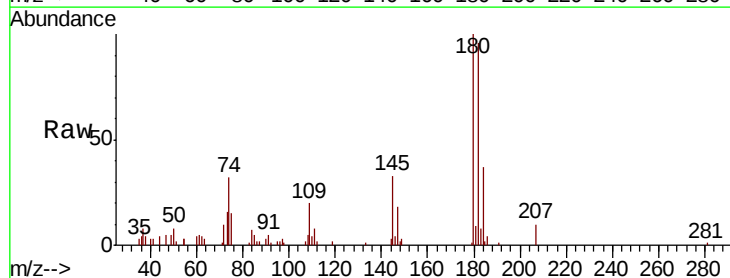


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

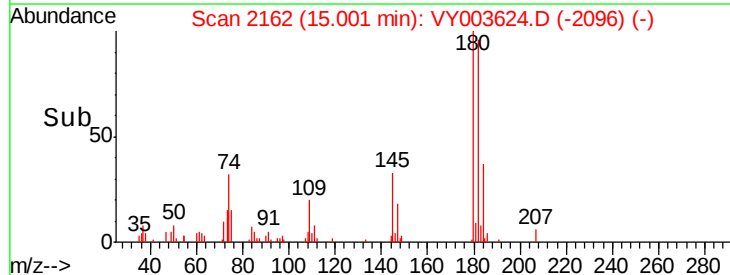
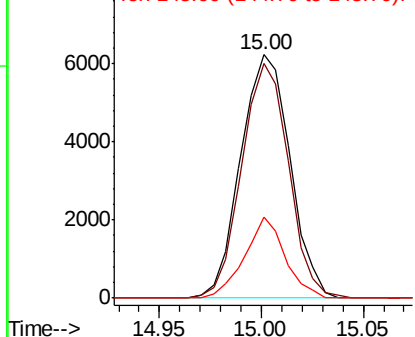


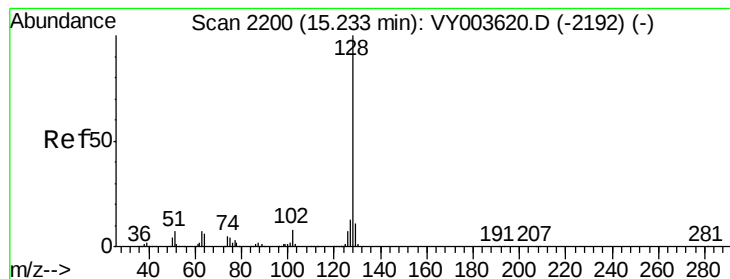
#70
 1,2,4-trichlorobenzene
 Concen: 2.615 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003624.D
 Acq: 25 Nov 2020 15:18

Tgt Ion:180	Resp:	10471
Ion Ratio	Lower	Upper
180	100	
182	91.4	76.1 114.1
145	27.3	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: 2.242 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5403

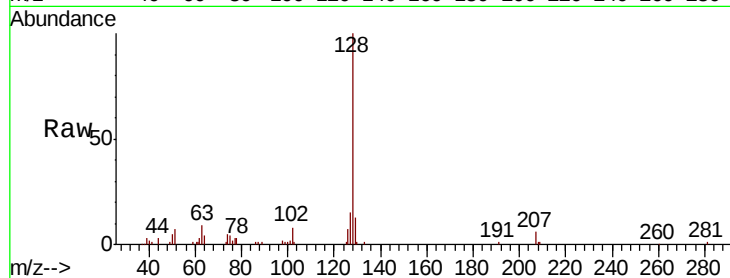
Tot Ion:128 Resp: 18694

Ion Ratio Lower Upper

128 100

127 14.7 10.4 15.6

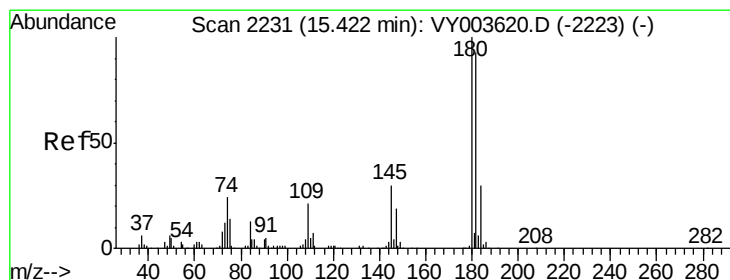
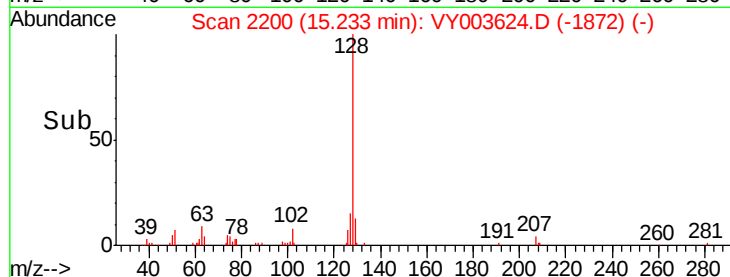
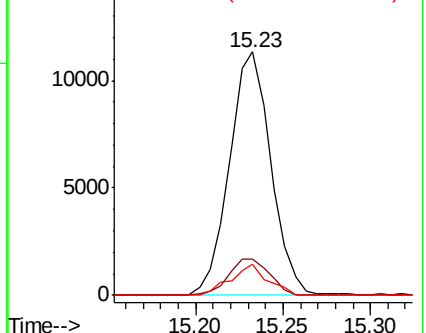
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.478 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.01 min

Lab File: VY003624.D

Acq: 25 Nov 2020 15:18

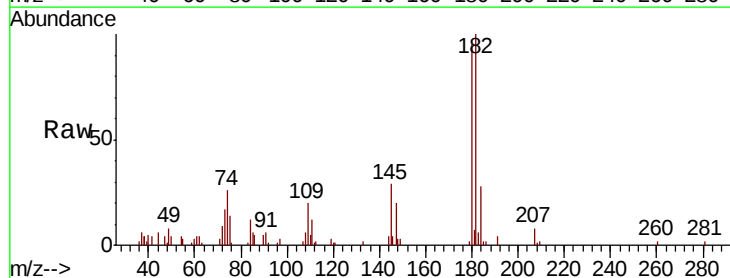
Tgt Ion:180 Resp: 9101

Ion Ratio Lower Upper

180 100

182 98.2 76.2 114.4

145 30.0 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

