

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003535.D
 Acq On : 18 Nov 2020 18:08
 Operator : SY/MD
 Sample : VSTD02577
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

Quant Time: Nov 19 03:05:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	240573	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	219483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	109080	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	52234	25.00	ug/L	0.00
7) Chloroethane-d5	2.77	69	51641	25.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	142890	25.00	ug/L	0.00
20) 2-Butanone-d5	6.91	46	63851	50.00	ug/L	0.00
24) Chloroform-d	7.49	84	142723	25.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	78804	25.00	ug/L	0.00
29) Benzene-d6	8.11	84	294455	25.00	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	88602	25.00	ug/L	0.00
37) Toluene-d8	10.18	98	269363	25.00	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	42922	25.00	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	46085	50.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	75944	25.00	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	82809	25.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	38058	25.000	ug/L 100
3) Chloromethane	2.11	50	67663	25.000	ug/L 100
5) Vinyl chloride	2.26	62	75524	25.000	ug/L 100
6) Bromomethane	2.67	94	57232	25.000	ug/L 100
8) Chloroethane	2.81	64	51785	25.000	ug/L 100
9) Trichlorofluoromethane	3.13	101	75720	25.000	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	75294	25.000	ug/L 100
12) 1,1-Dichloroethene	3.88	96	80870	25.000	ug/L 100
13) Acetone	3.97	43	42841	50.000	ug/L 100
14) Carbon disulfide	4.20	76	270835	25.000	ug/L 100
15) Methyl Acetate	4.49	43	56187	25.000	ug/L 100
16) Methylene chloride	4.72	84	94487	25.000	ug/L 100
17) Methyl tert-butyl Ether	5.23	73	131185	25.000	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	86283	25.000	ug/L 100
19) 1,1-Dichloroethane	6.03	63	148047	25.000	ug/L 100
21) 2-Butanone	7.00	43	75358	50.000	ug/L 100
22) cis-1,2-Dichloroethene	6.99	96	90653	25.000	ug/L 100
23) Bromochloromethane	7.35	128	44354	25.000	ug/L 100
25) Chloroform	7.52	83	144084	25.000	ug/L 100
27) 1,2-Dichloroethane	8.24	62	98806	25.000	ug/L 100
30) Cyclohexane	7.79	56	129229	25.000	ug/L 100
31) 1,1,1-Trichloroethane	7.71	97	114536	25.000	ug/L 100
32) Carbon tetrachloride	7.91	117	104567	25.000	ug/L 100
34) Benzene	8.17	78	344991	25.000	ug/L 100
35) Trichloroethene	8.94	95	85009	25.000	ug/L 100
36) Methylcyclohexane	9.19	83	124841	25.000	ug/L 100
40) 1,2-Dichloropropane	9.22	63	86213	25.000	ug/L 100
41) Bromodichloromethane	9.50	83	108147	25.000	ug/L 100
42) cis-1,3-Dichloropropene	9.93	75	135705	25.000	ug/L 100
43) 4-Methyl-2-pentanone	10.07	43	140250	50.000	ug/L 100

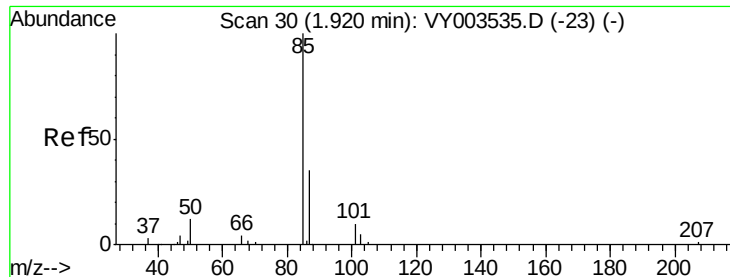
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	359103	25.000	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	123494	25.000	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	69161	25.000	ug/L	100
47) Tetrachloroethene	10.72	164	72311	25.000	ug/L	100
49) 2-Hexanone	10.83	43	112340	50.000	ug/L	100
50) Dibromochloromethane	10.99	129	82030	25.000	ug/L	100
51) 1,2-Dibromoethane	11.09	107	68012	25.000	ug/L	100
52) Chlorobenzene	11.52	112	228323	25.000	ug/L	100
53) Ethylbenzene	11.59	91	366192	25.000	ug/L	100
54) m,p-Xylene	11.70	106	140462	25.000	ug/L	100
55) o-xylene	12.03	106	117415	25.000	ug/L	100
56) Styrene	12.04	104	238154	25.000	ug/L	100
57) Isopropylbenzene	12.33	105	258284	25.000	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	78133	25.000	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	58822	25.000	ug/L	100
62) Bromoform	12.20	173	54539	25.000	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	165699	25.000	ug/L	100
64) 1,4-Dichlorobenzene	13.44	146	169123	25.000	ug/L	100
65) 1,2-Dichlorobenzene	13.73	146	137246	25.000	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.36	75	10909	25.000	ug/L	100
67) 1,3,5-Trichlorobenzene	14.50	180	86683	25.000	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	75098	25.000	ug/L	100
69) Naphthalene	15.23	128	136418	25.000	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	57487	25.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 25.000 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

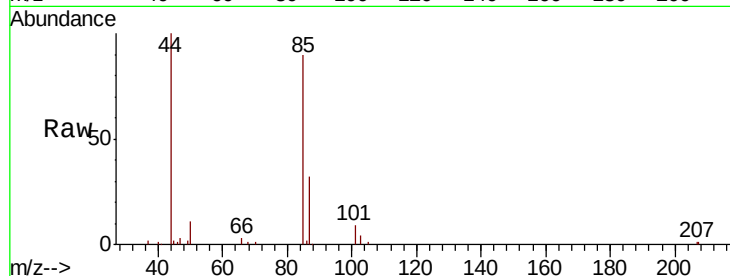
VSTD02577

Tot Ion: 85 Resp: 38058

Ion Ratio Lower Upper

85 100

87 25.3 17.7 32.9



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.92

15000

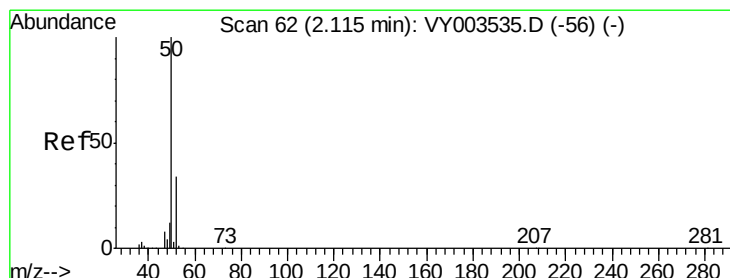
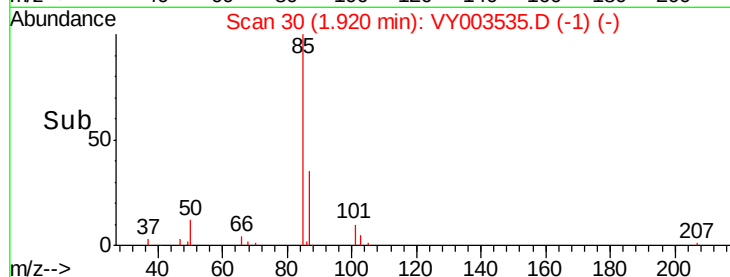
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5000

0

Time-->

1.80 1.90 2.00 2.10



#3

Chloromethane

Concen: 25.000 ug/L

RT: 2.11 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003535.D

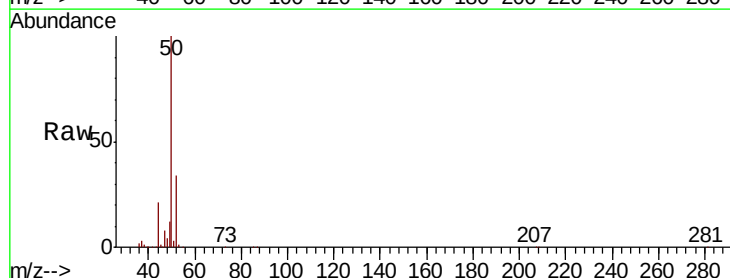
Acq: 18 Nov 2020 18:08

Tgt Ion: 50 Resp: 67663

Ion Ratio Lower Upper

50 100

52 33.8 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.11

40000

30000

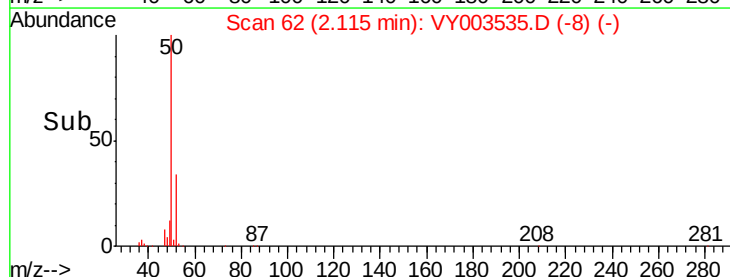
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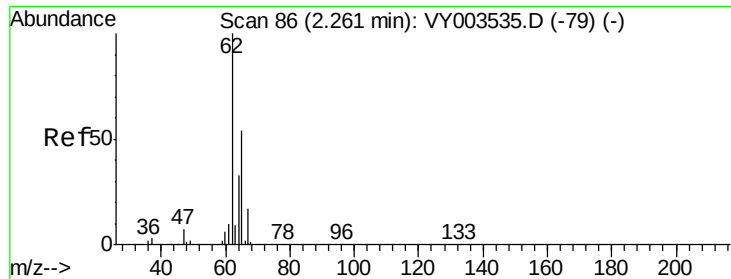
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0

Time-->

2.05 2.10 2.15 2.20





#5

Vinyl chloride

Concen: 25.000 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

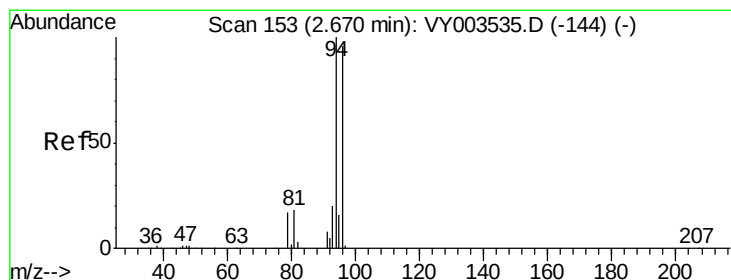
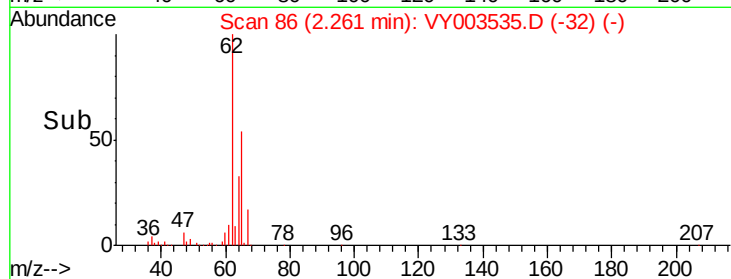
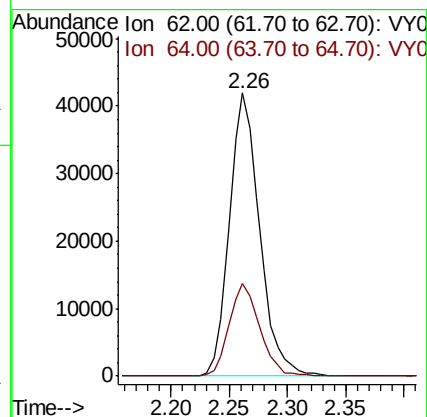
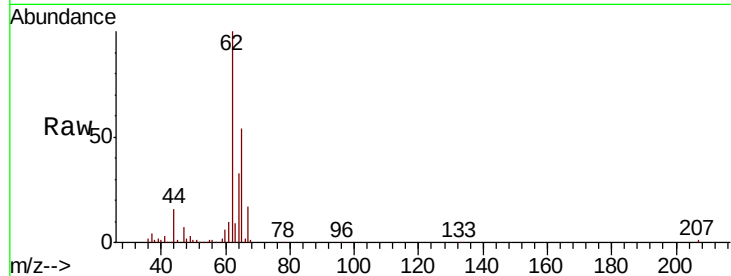
VSTD02577

Tot Ion: 62 Resp: 75524

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 25.000 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.00 min

Lab File: VY003535.D

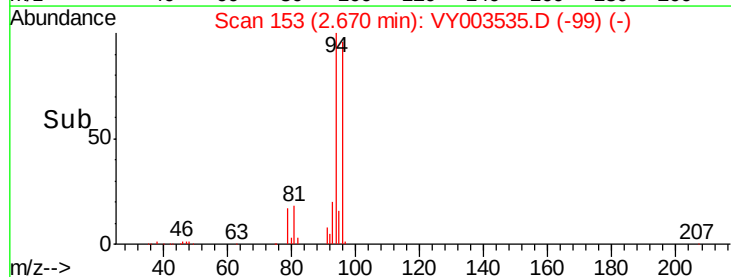
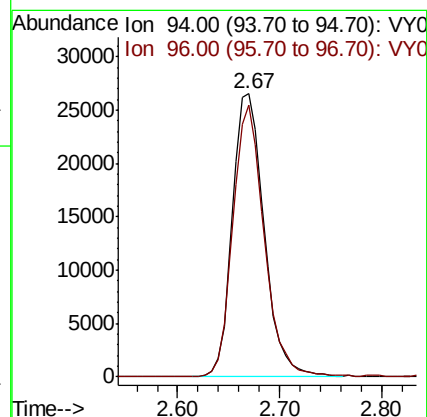
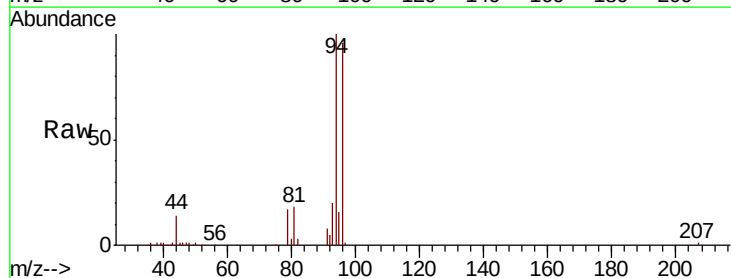
Acq: 18 Nov 2020 18:08

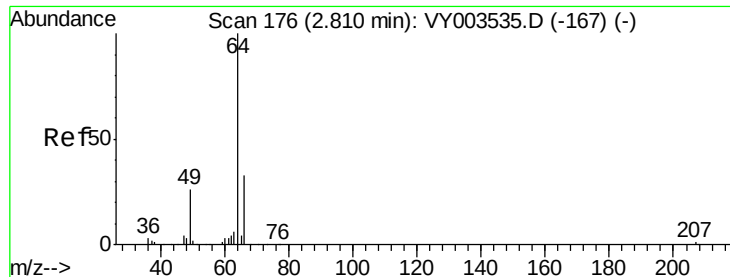
Tgt Ion: 94 Resp: 57232

Ion Ratio Lower Upper

94 100

96 94.4 9.4 179.4

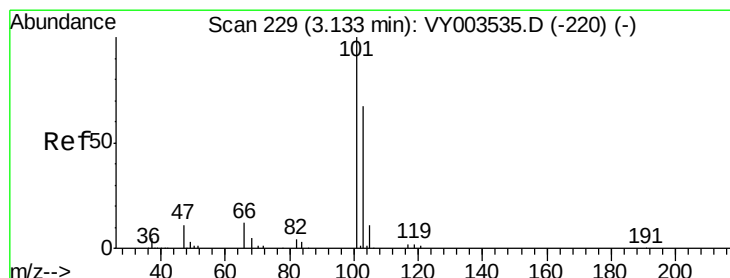
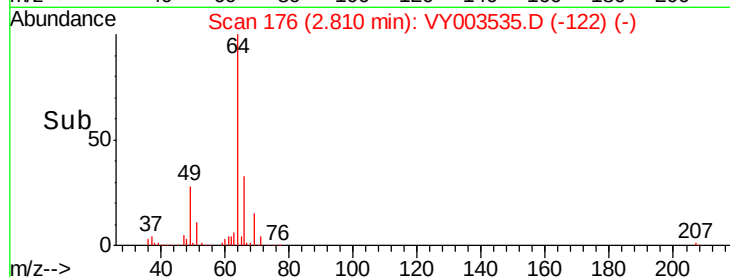
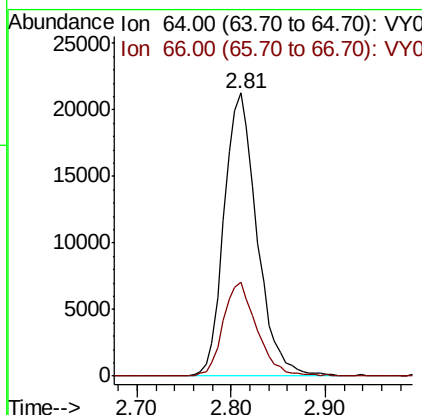
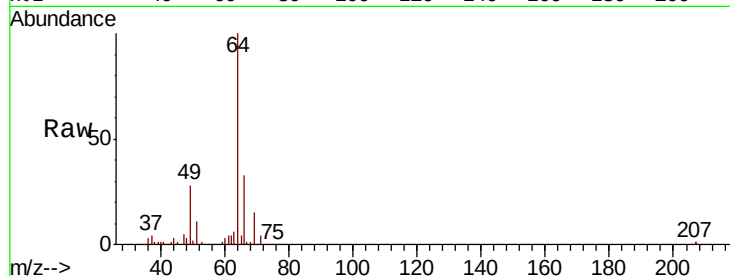




#8
Chloroethane
Concen: 25.000 ug/L
RT: 2.81 min Scan# 176
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

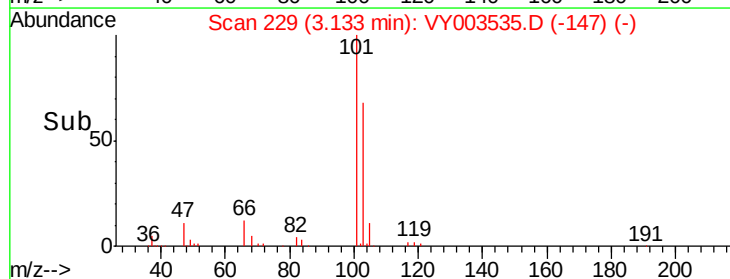
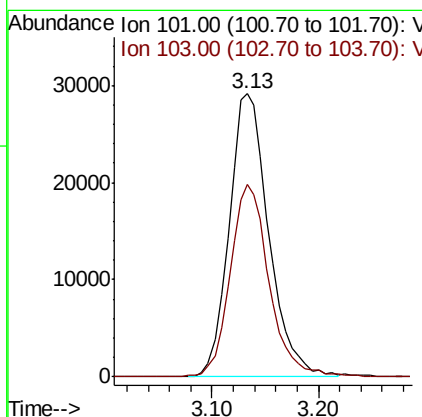
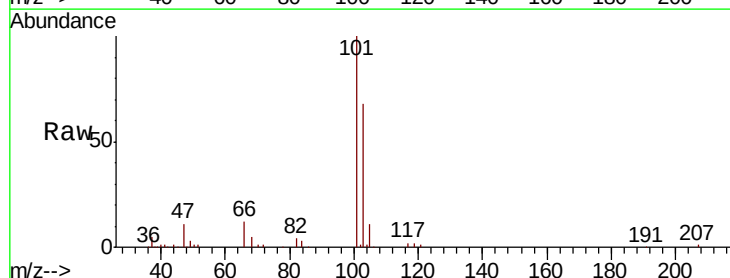
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

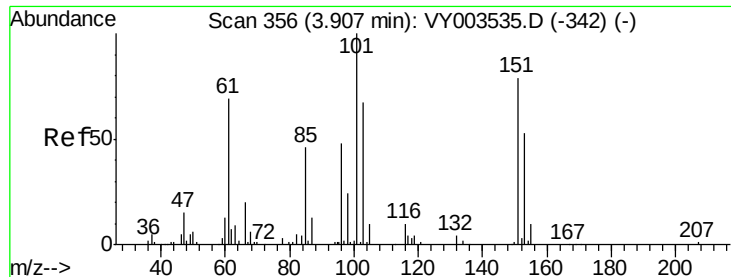
Tot Ion: 64 Resp: 51785
Ion Ratio Lower Upper
64 100
66 33.4 23.4 43.4



#9
Trichlorofluoromethane
Concen: 25.000 ug/L
RT: 3.13 min Scan# 229
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 101 Resp: 75720
Ion Ratio Lower Upper
101 100
103 66.4 46.5 86.3





#11

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

Concen: 25.000 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02577

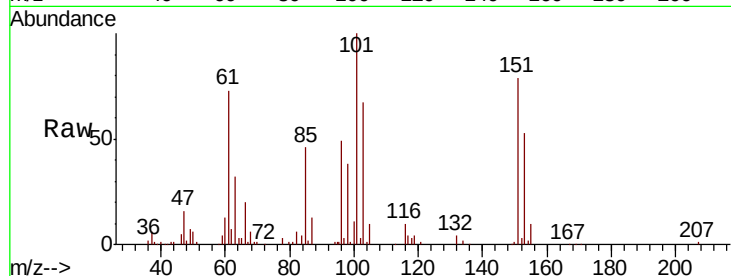
Tot Ion:101 Resp: 75294

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

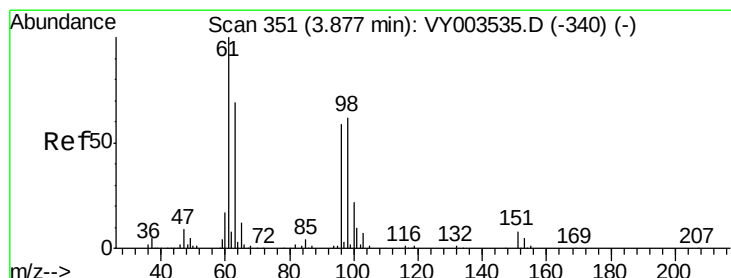
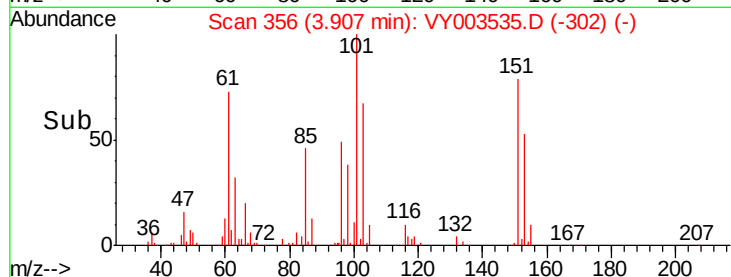
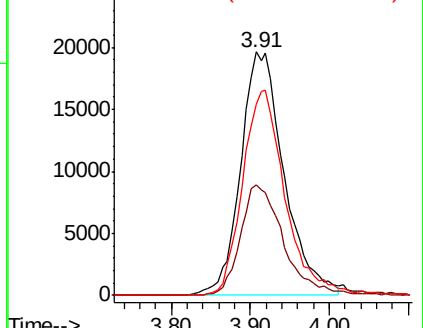
151 81.5 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VY003535.D (-342) (-)

Ion 85.00 (84.70 to 85.70): VY003535.D (-342) (-)

Ion 151.00 (150.70 to 151.70): VY003535.D (-342) (-)



#12

1,1-Dichloroethene

Concen: 25.000 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

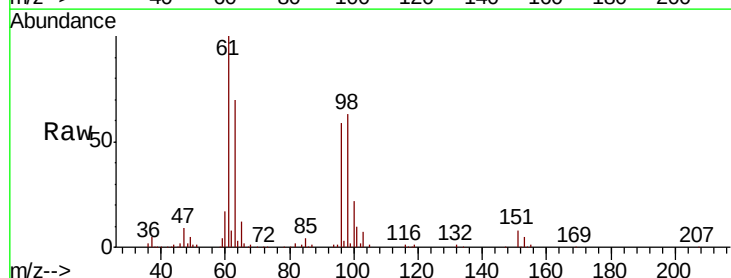
Tgt Ion: 96 Resp: 80870

Ion Ratio Lower Upper

96 100

61 170.4 119.3 221.5

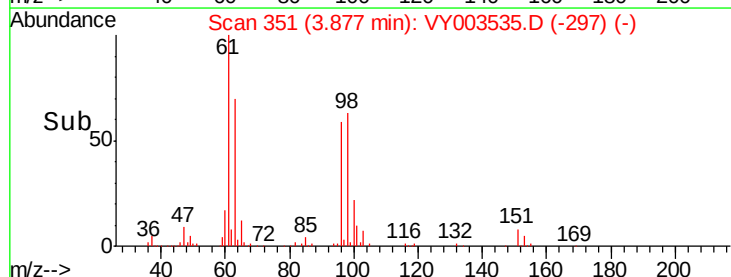
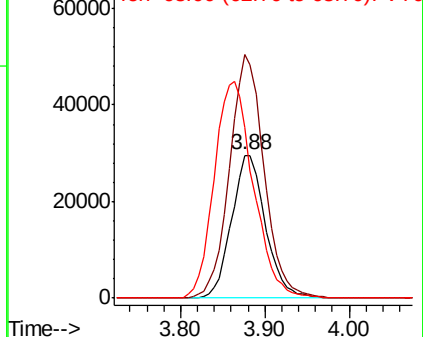
63 119.4 83.6 155.2

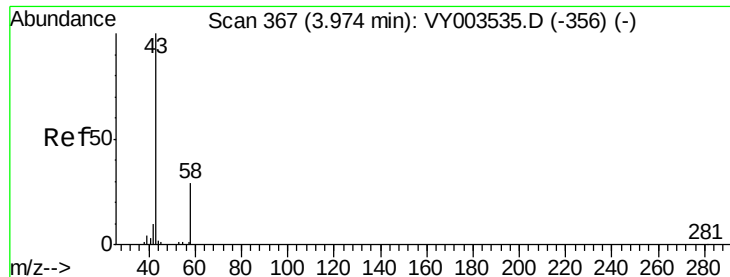


Abundance Ion 96.00 (95.70 to 96.70): VY003535.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY003535.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY003535.D (-340) (-)





#13

Acetone

Concen: 50.000 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

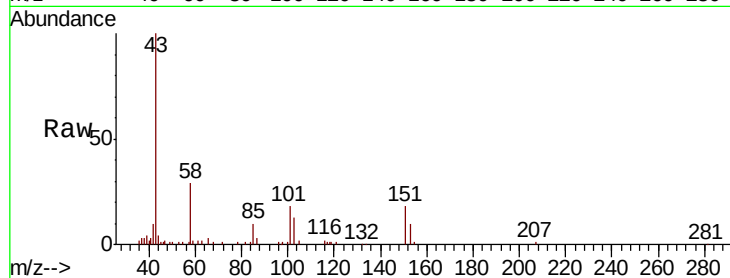
VSTD02577

Tot Ion: 43 Resp: 42841

Ion Ratio Lower Upper

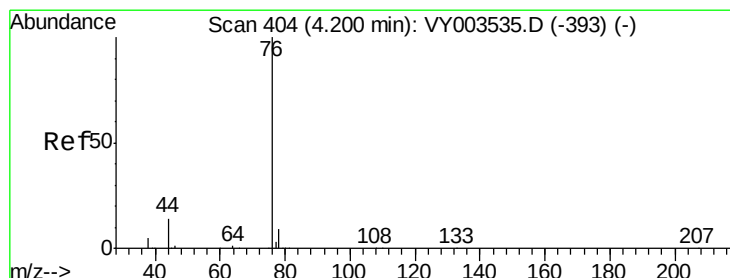
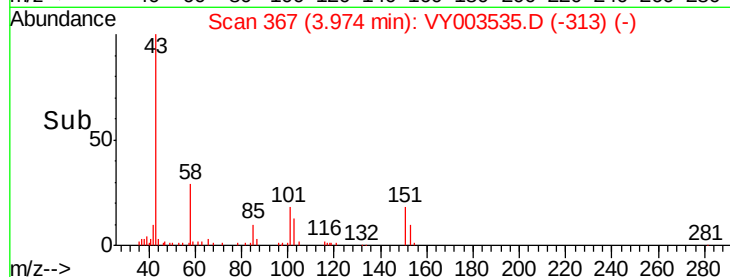
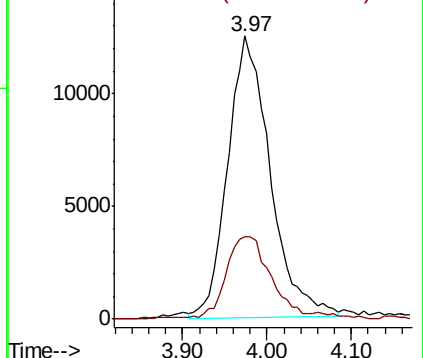
43 100

58 31.1 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.000 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003535.D

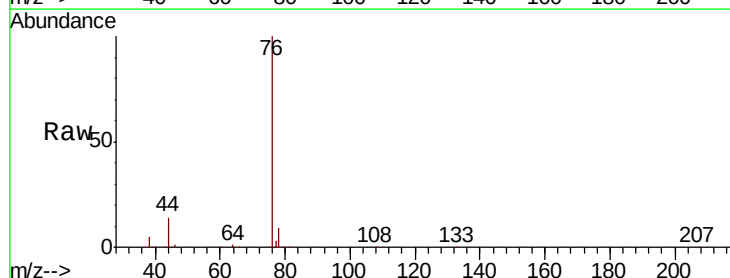
Acq: 18 Nov 2020 18:08

Tgt Ion: 76 Resp: 270835

Ion Ratio Lower Upper

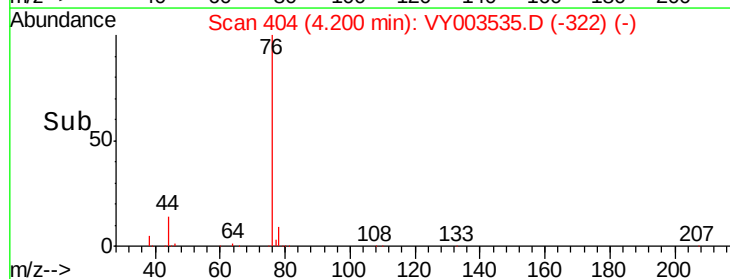
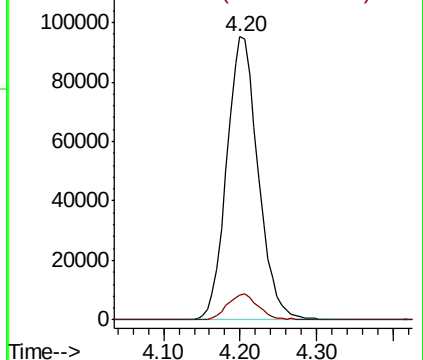
76 100

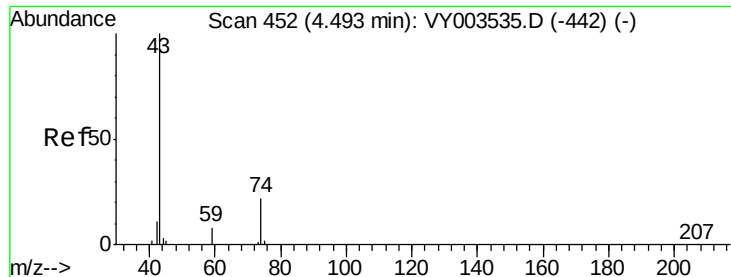
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

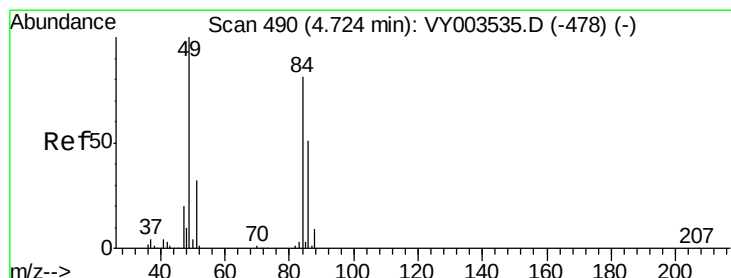
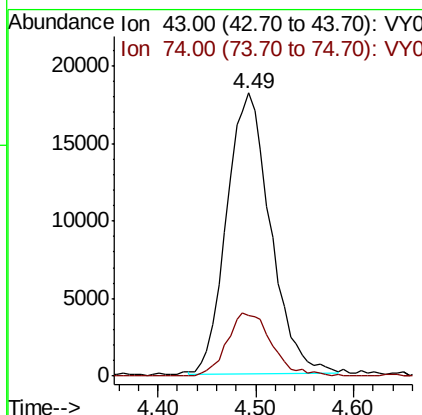
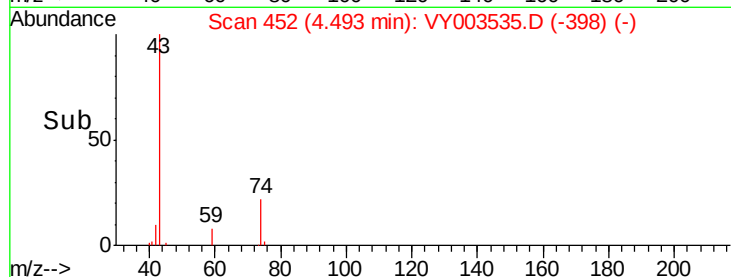
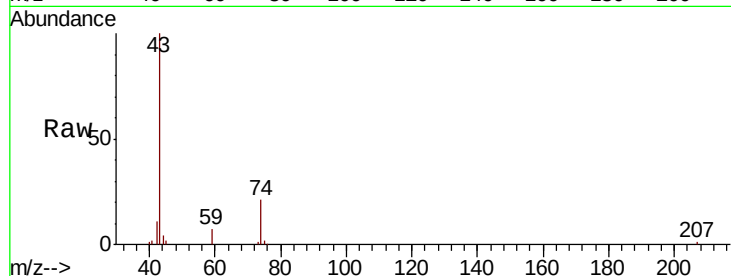




#15
Methyl Acetate
Concen: 25.000 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

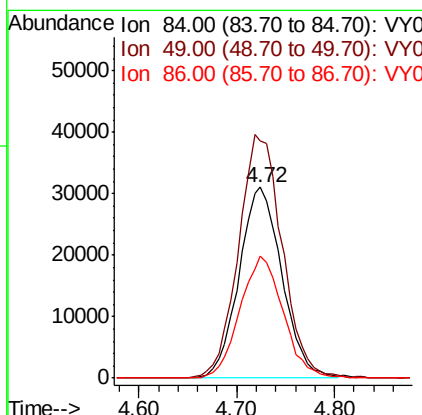
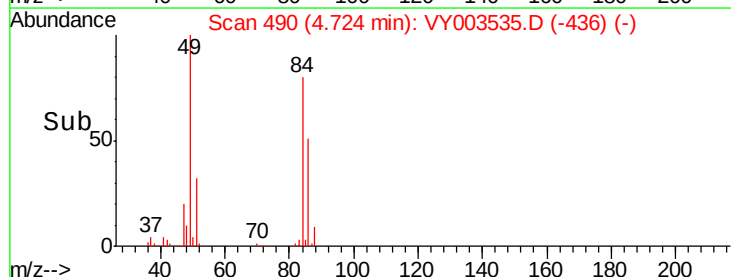
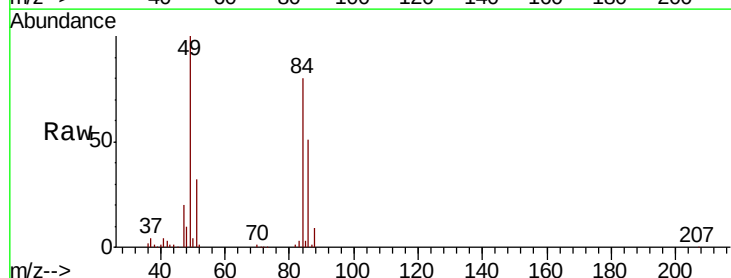
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

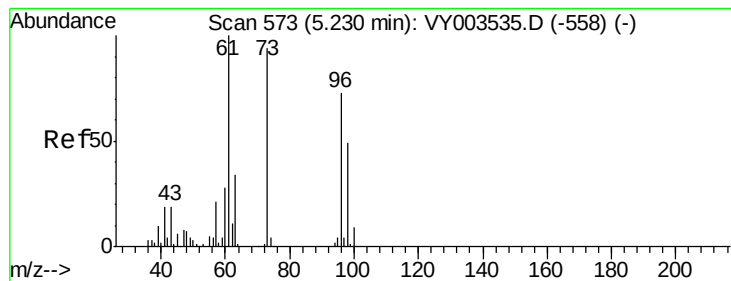
Tot Ion: 43 Resp: 56187
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3



#16
Methylene chloride
Concen: 25.000 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 84 Resp: 94487
Ion Ratio Lower Upper
84 100
49 124.4 87.1 161.7
86 63.9 44.7 83.1



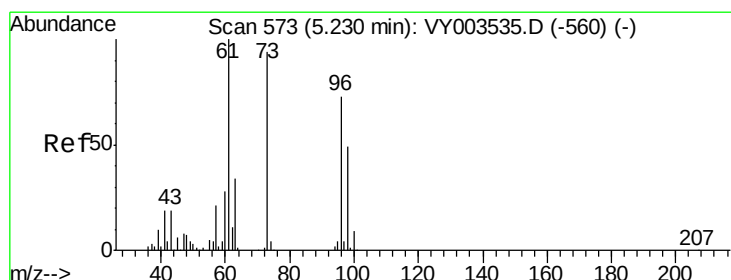
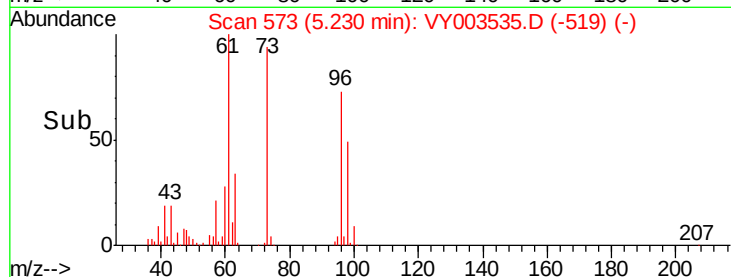
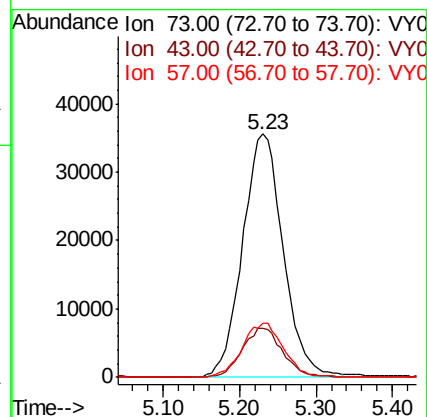
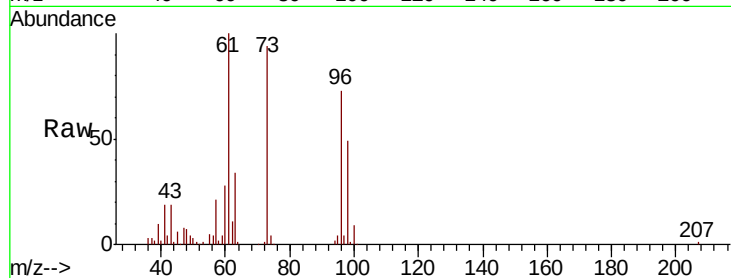


#17

Methyl tert-butyl Ether
 Concen: 25.000 ug/L
 RT: 5.23 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

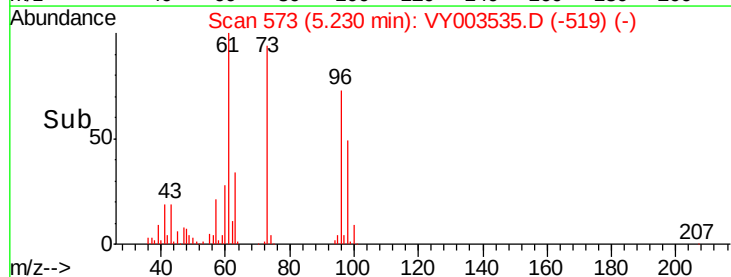
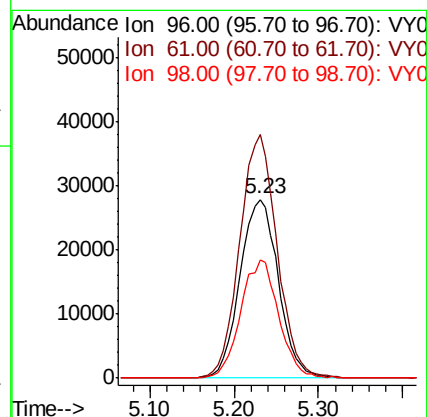
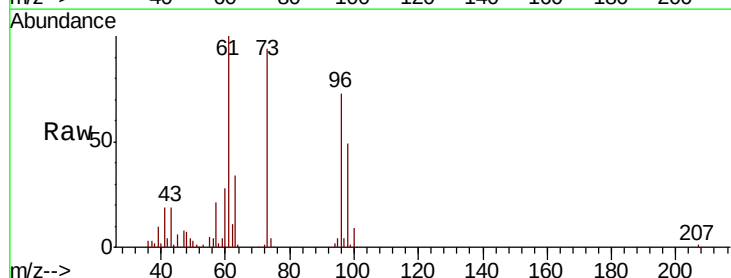
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.0	24.0
57	22.5	18.0	27.0

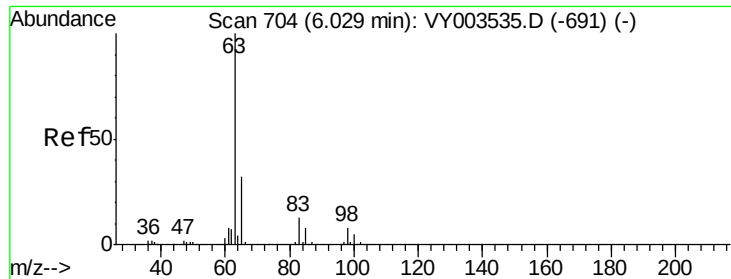


#18

trans-1,2-Dichloroethene
 Concen: 25.000 ug/L
 RT: 5.23 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.4	95.5	177.3
98	66.3	46.4	86.2

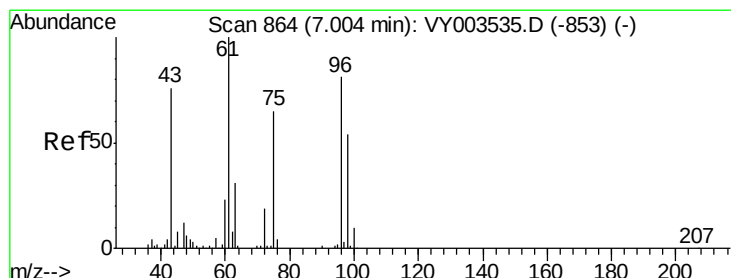
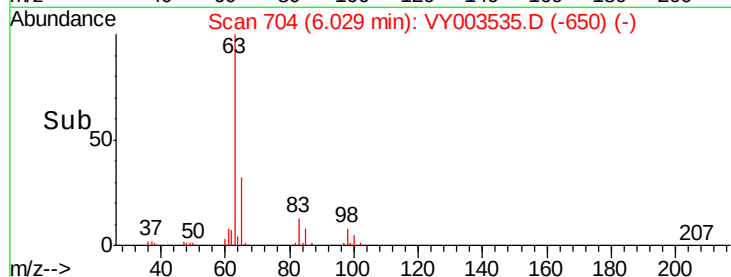
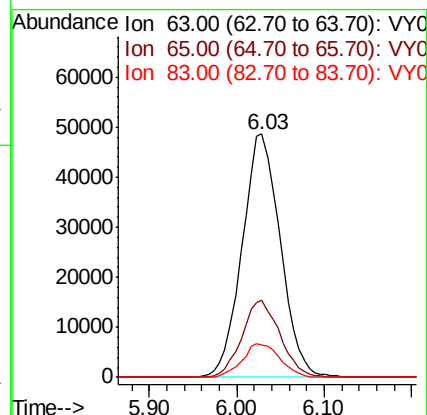
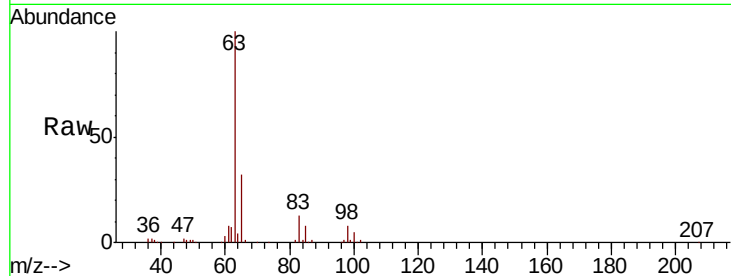




#19
 1,1-Dichloroethane
 Concen: 25.000 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

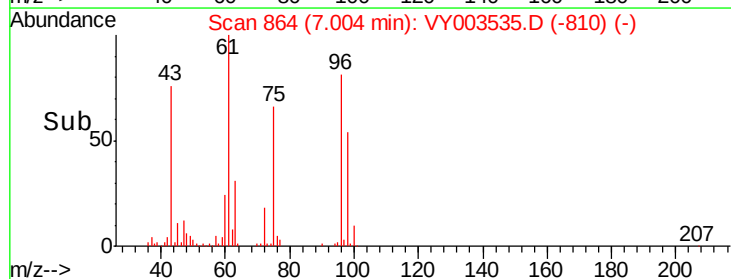
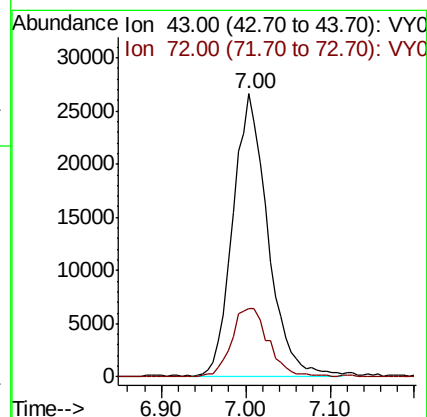
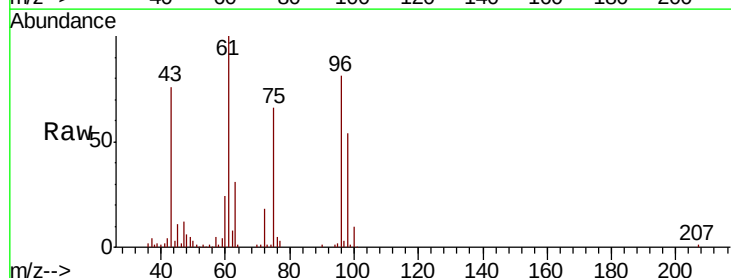
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

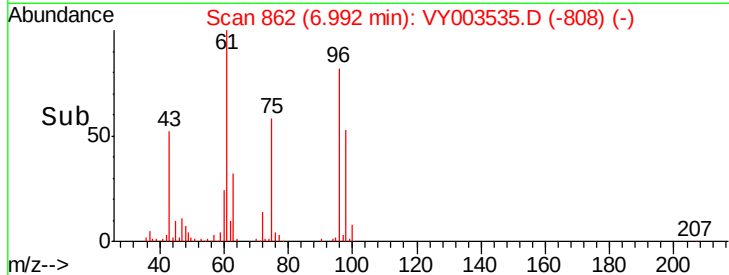
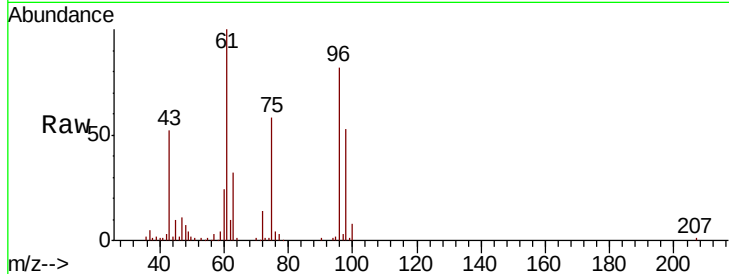
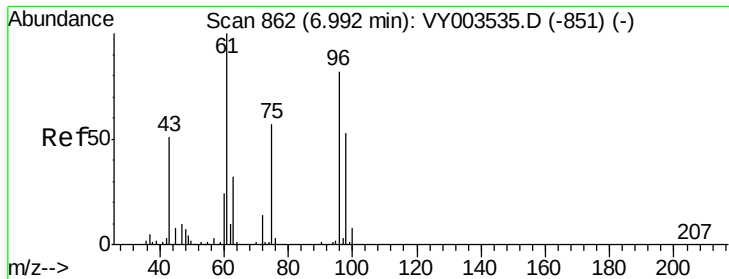
Tot Ion: 63 Resp: 148047
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 50.000 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion: 43 Resp: 75358
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.6 37.6

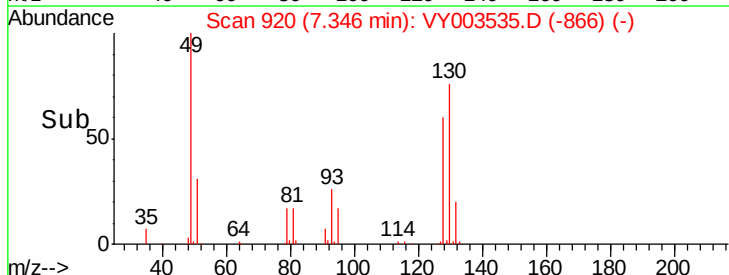
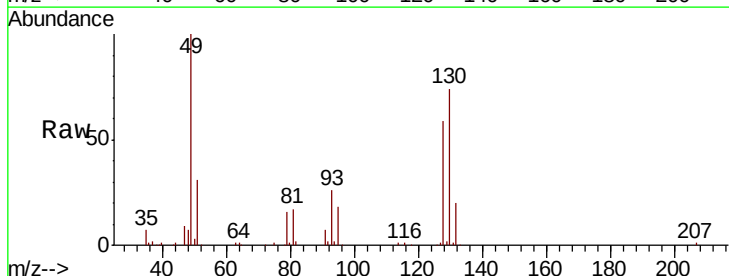
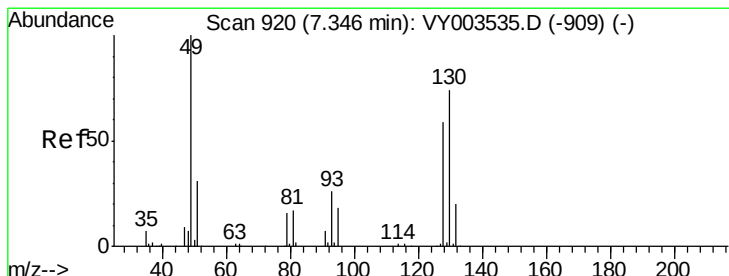
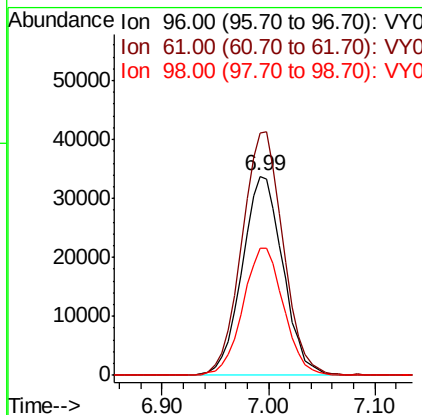




#22
 cis-1,2-Dichloroethene
 Concen: 25.000 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

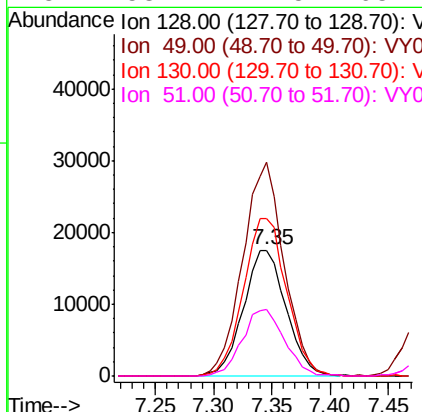
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

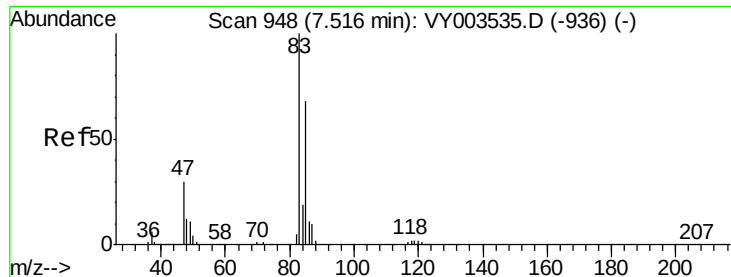
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	85.3	158.3
98	64.1	44.9	83.3



#23
 Bromochloromethane
 Concen: 25.000 ug/L
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.7	118.8	220.6
130	125.4	87.8	163.0
51	53.1	42.5	63.7





#25

Chloroform

Concen: 25.000 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

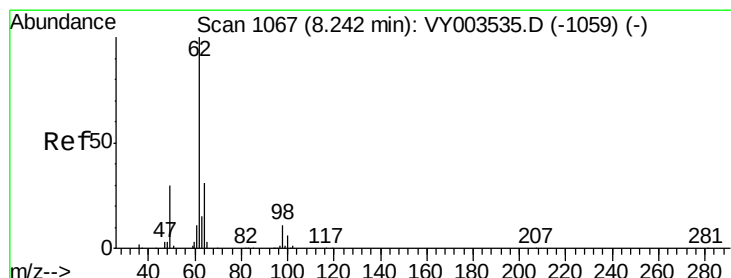
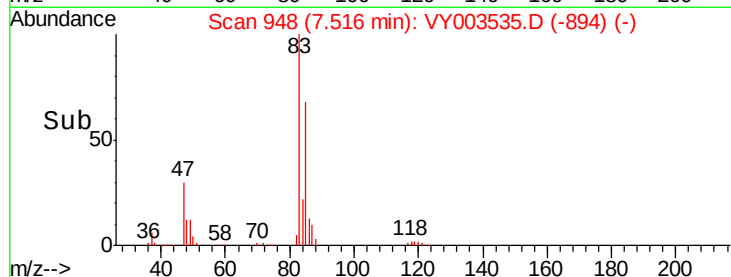
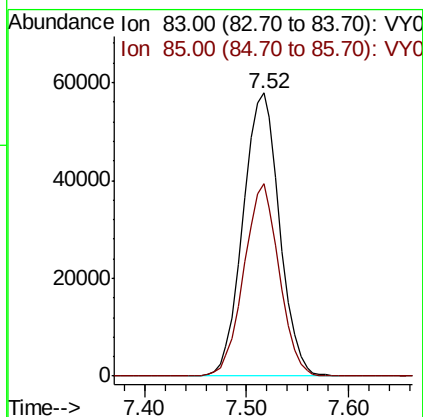
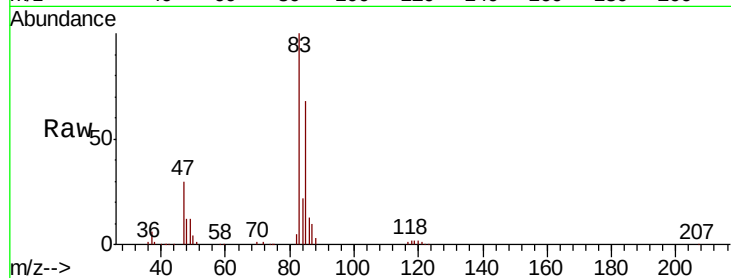
VSTD02577

Tot Ion: 83 Resp: 144084

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 25.000 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003535.D

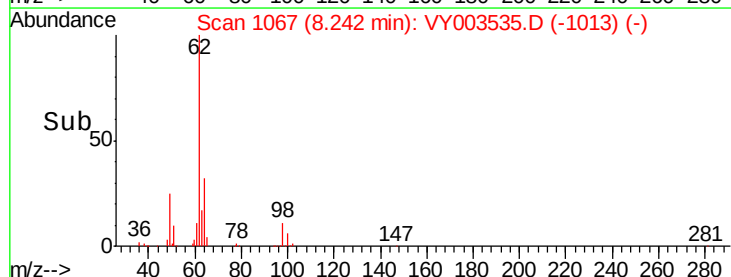
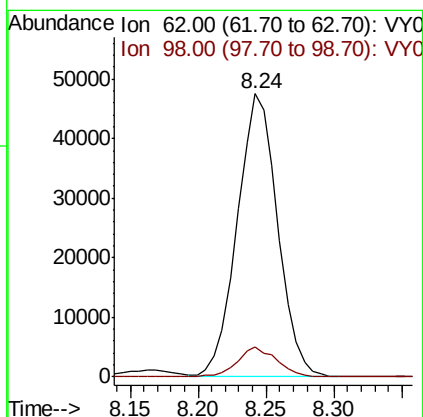
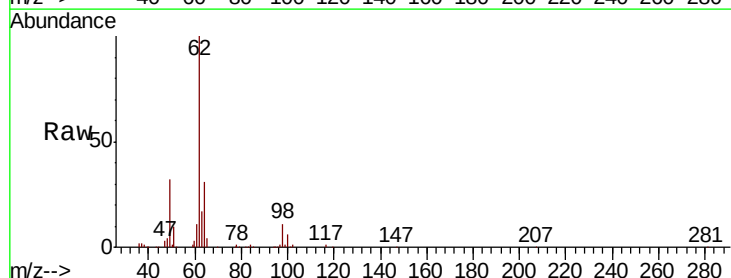
Acq: 18 Nov 2020 18:08

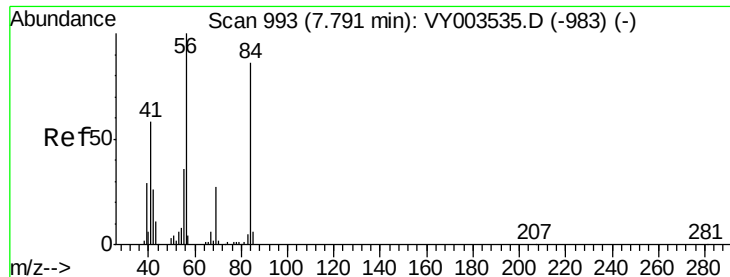
Tgt Ion: 62 Resp: 98806

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6

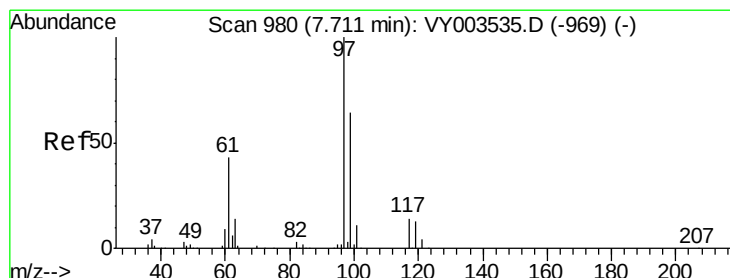
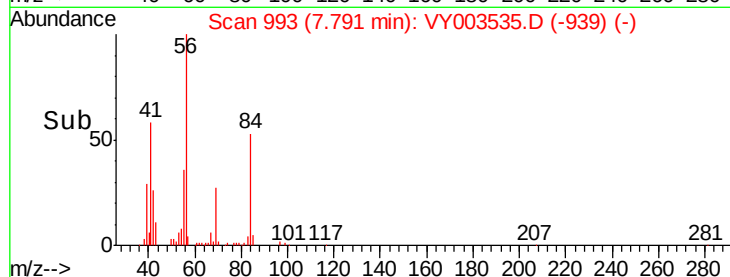
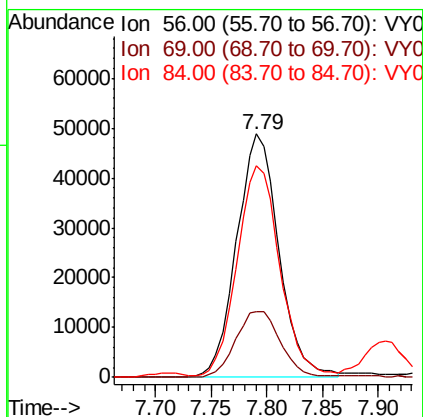
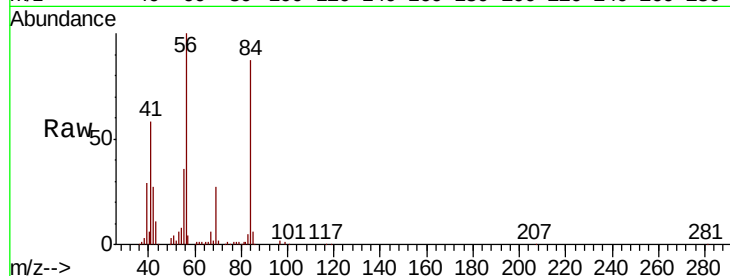




#30
Cyclohexane
Concen: 25.000 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

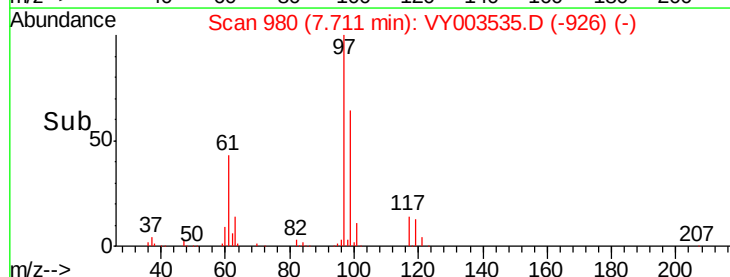
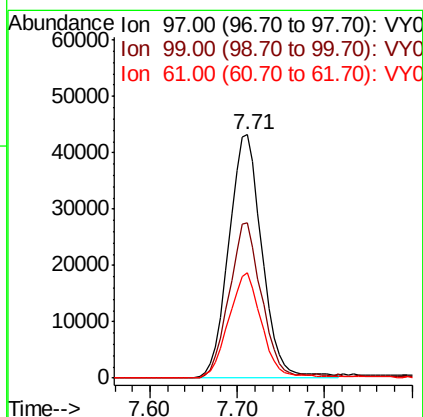
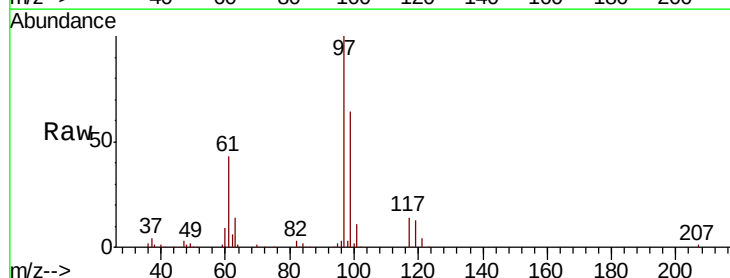
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

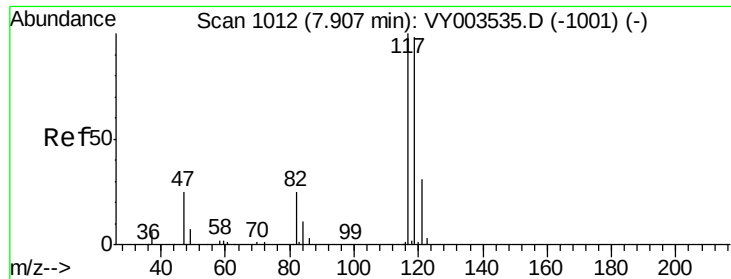
Tot Ion: 56 Resp: 129229
Ion Ratio Lower Upper
56 100
69 28.6 22.9 34.3
84 87.3 69.8 104.8



#31
1,1,1-Trichloroethane
Concen: 25.000 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 97 Resp: 114536
Ion Ratio Lower Upper
97 100
99 61.9 49.5 74.3
61 42.2 33.8 50.6





#32

Carbon tetrachloride

Concen: 25.000 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

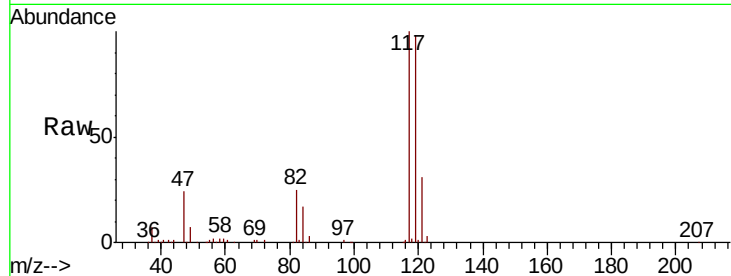
VSTD02577

Tot Ion:117 Resp: 104567

Ion Ratio Lower Upper

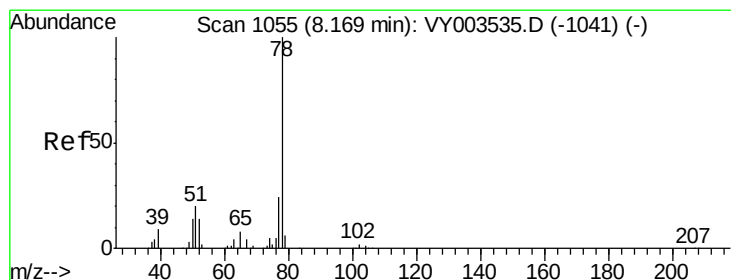
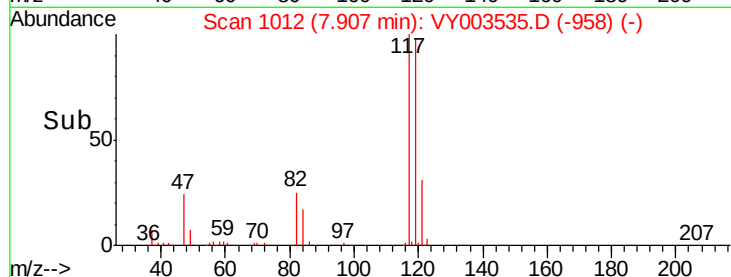
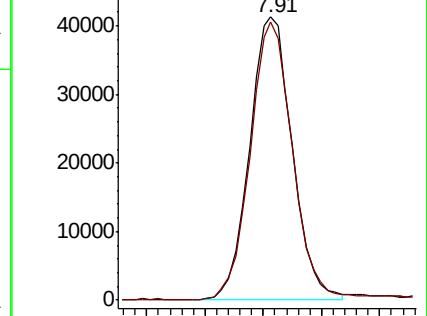
117 100

119 97.6 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.000 ug/L

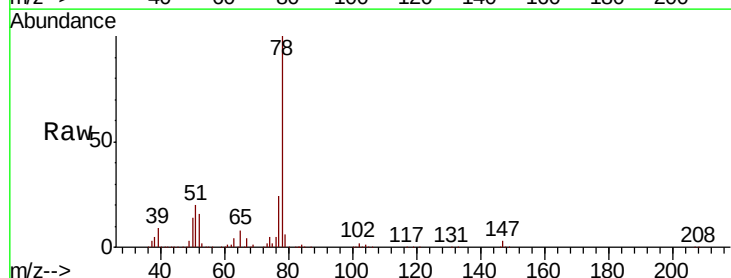
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

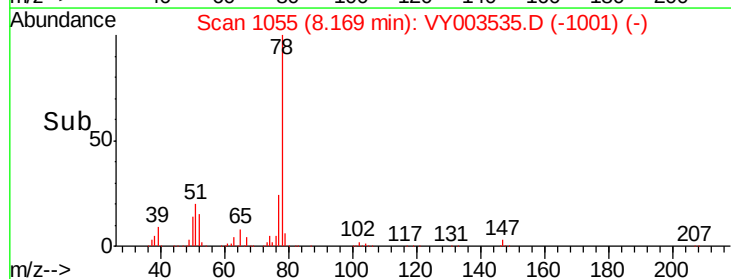
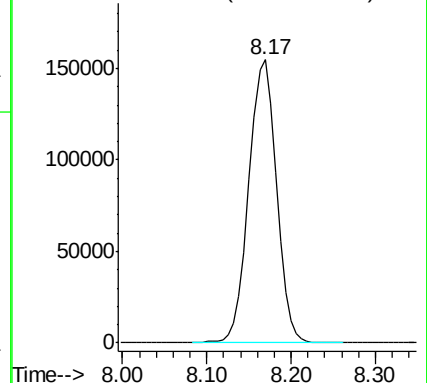
Lab File: VY003535.D

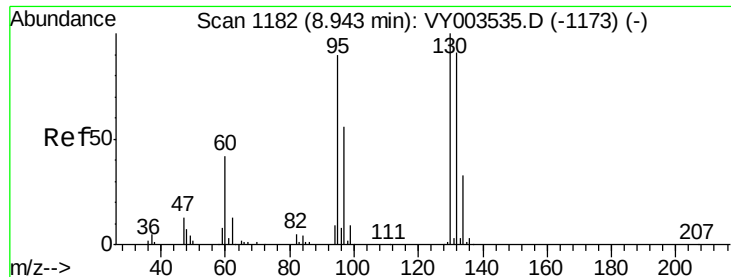
Acq: 18 Nov 2020 18:08

Tgt Ion: 78 Resp: 344991



Abundance Ion 78.00 (77.70 to 78.70): VY0

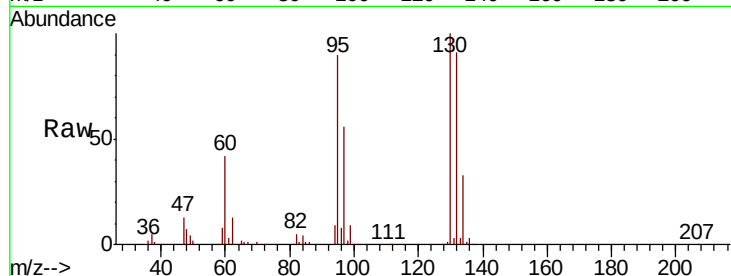




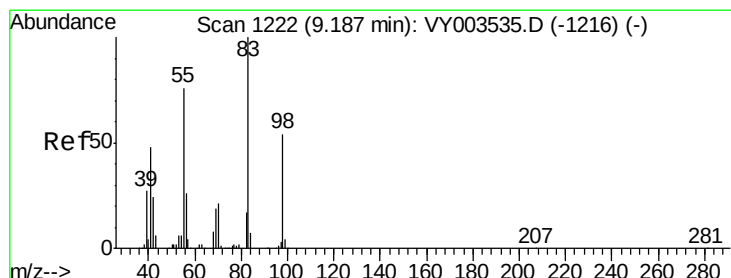
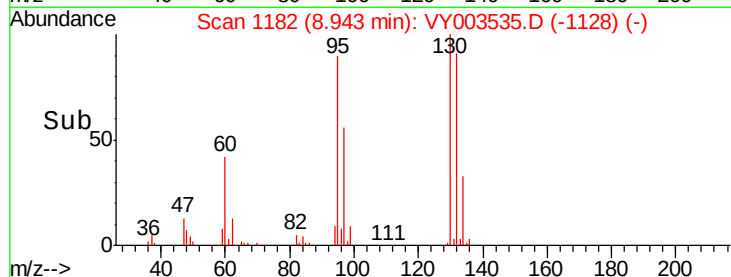
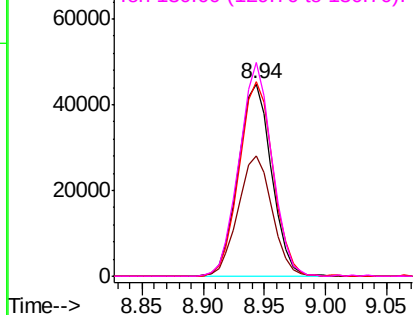
#35
 Trichloroethene
 Concen: 25.000 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

Tot Ion	95	Resp	85009
Ion Ratio	Lower	Upper	
95	100		
97	64.0	44.8	83.2
132	103.1	72.2	134.0
130	109.4	76.6	142.2

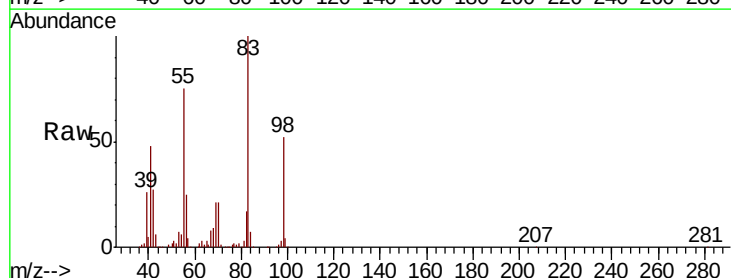


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

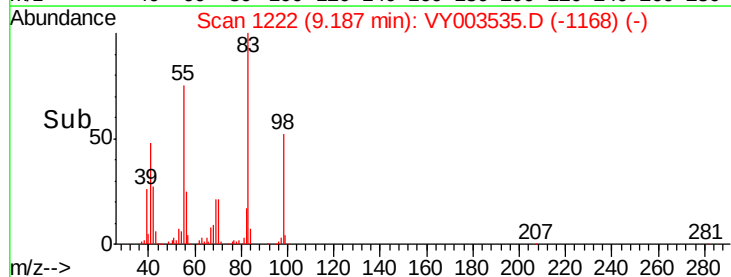
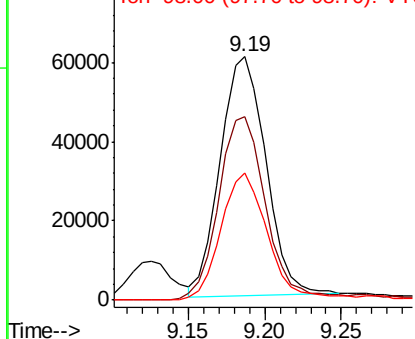


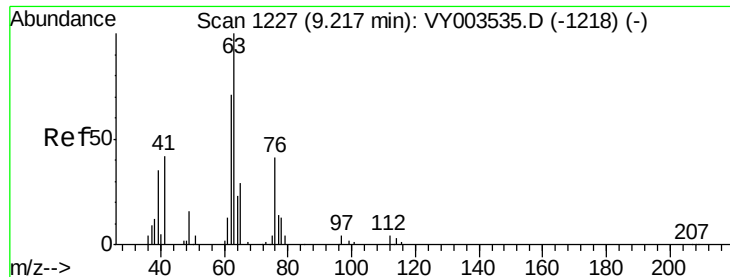
#36
 Methylcyclohexane
 Concen: 25.000 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	83	Resp	124841
Ion Ratio	Lower	Upper	
83	100		
55	79.2	63.4	95.0
98	54.1	43.3	64.9



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

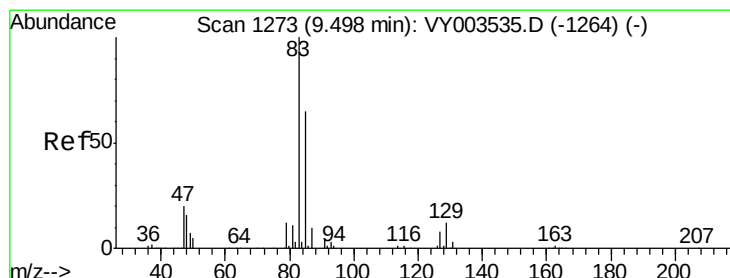
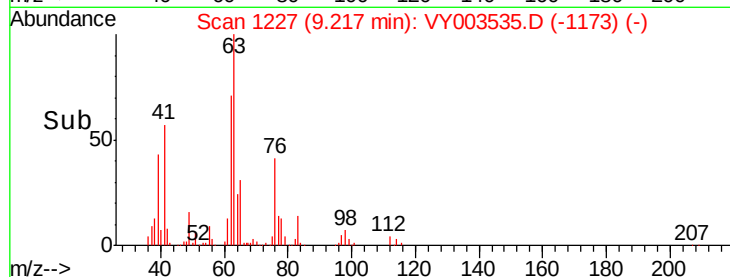
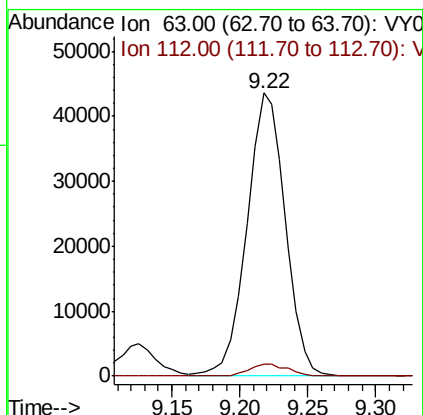
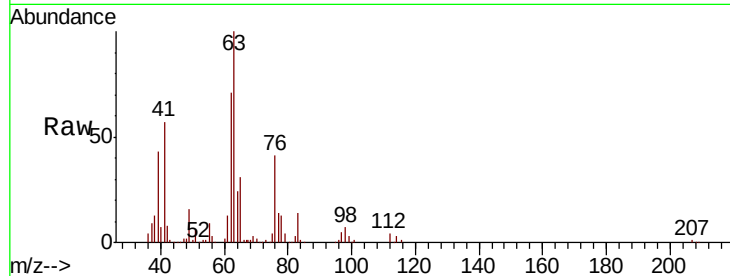




#40
 1,2-Dichloropropane
 Concen: 25.000 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

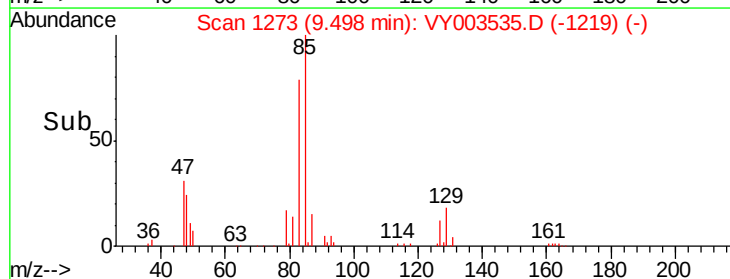
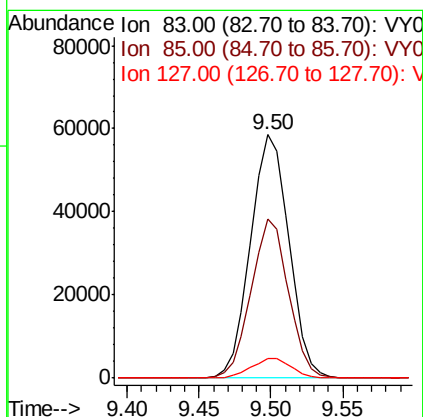
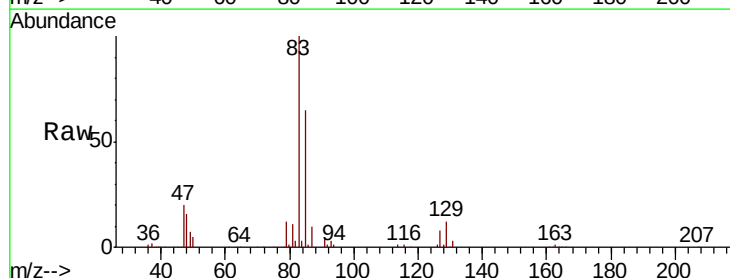
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

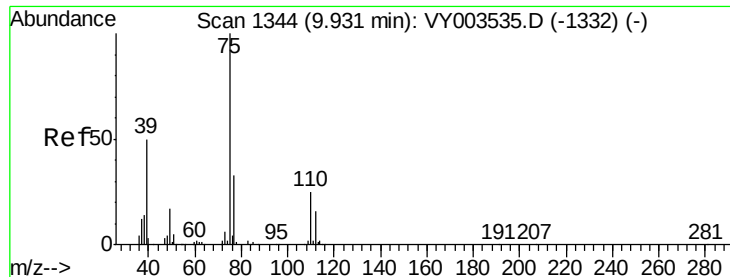
Tot Ion: 63 Resp: 86213
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.000 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion: 83 Resp: 108147
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.6 84.6
 127 8.0 6.4 9.6



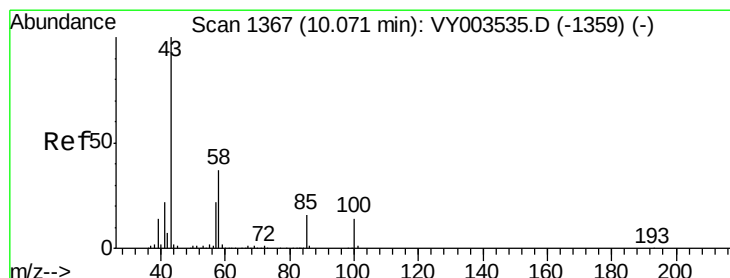
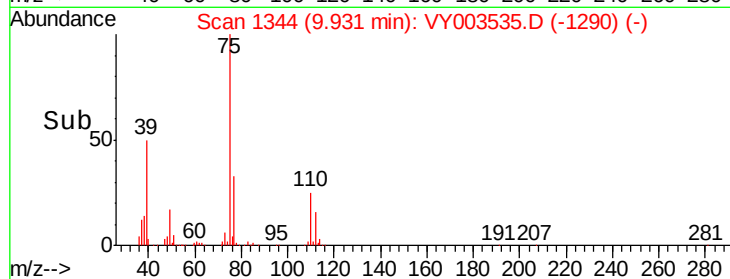
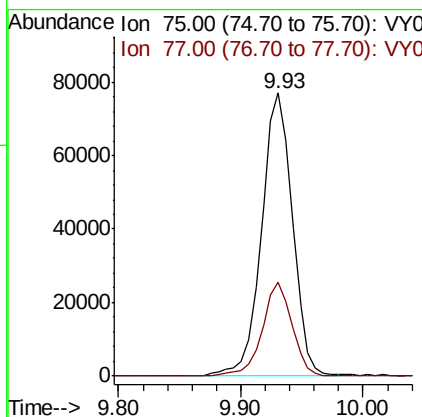
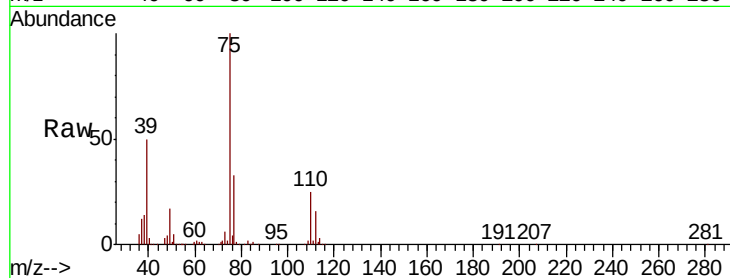


#42

cis-1,3-Dichloropropene
 Concen: 25.000 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

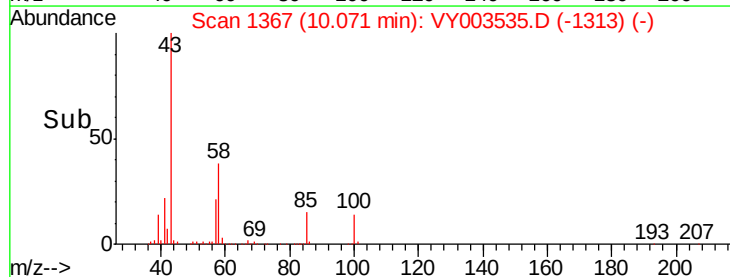
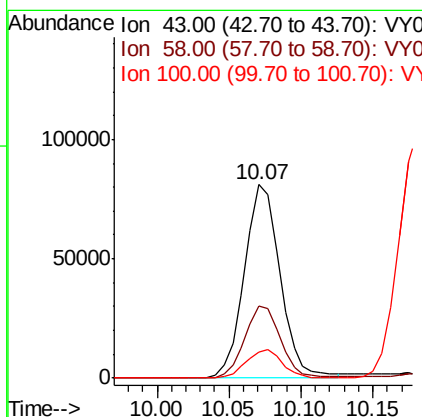
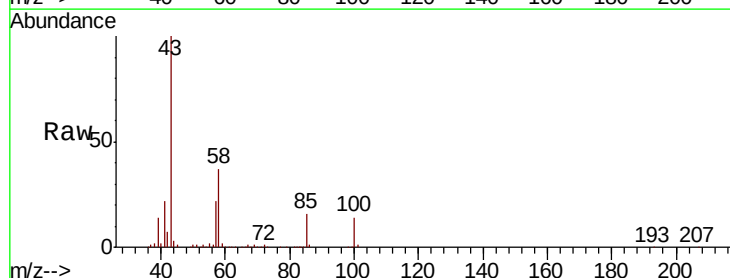
Tot Ion: 75 Resp: 135705
 Ion Ratio Lower Upper
 75 100
 77 33.4 23.4 43.4

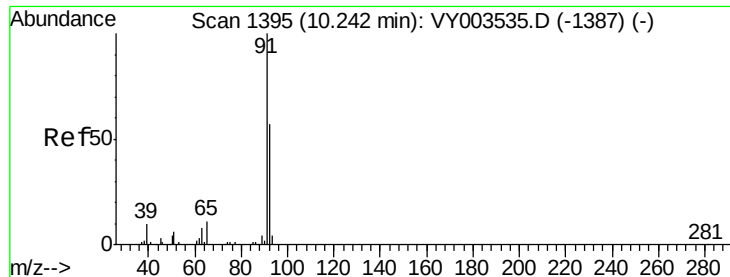


#43

4-Methyl-2-pentanone
 Concen: 50.000 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion: 43 Resp: 140250
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 15.0 12.0 18.0





#44

Toluene

Concen: 25.000 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

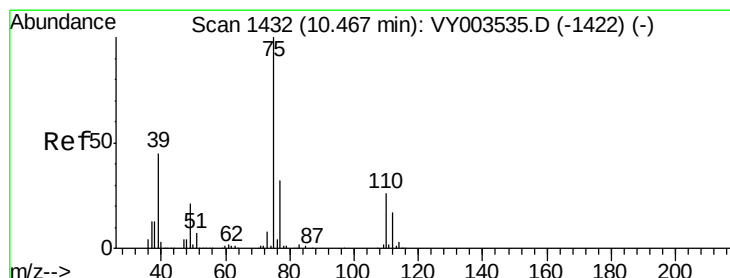
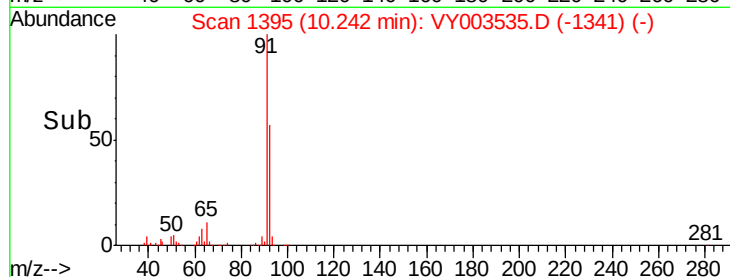
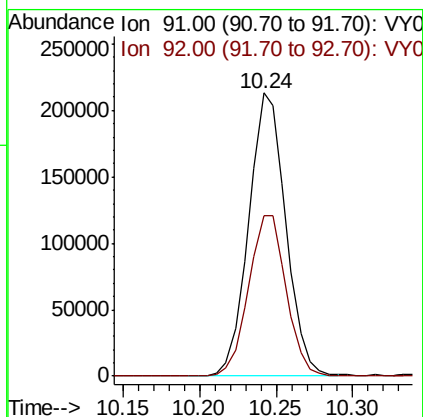
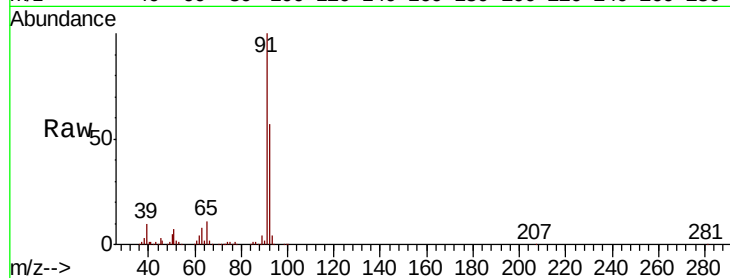
VSTD02577

Tot Ion: 91 Resp: 359103

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.000 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003535.D

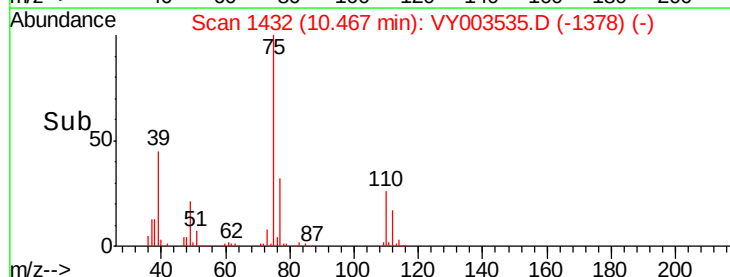
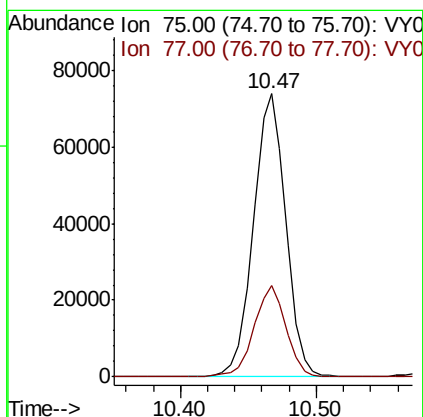
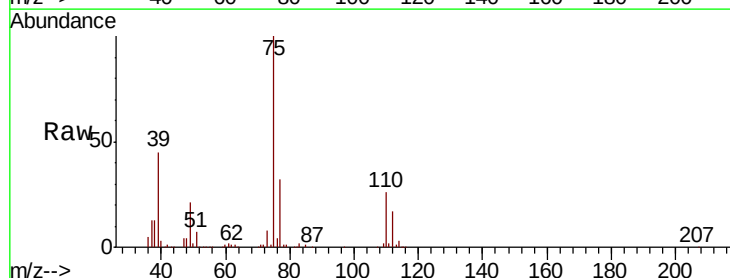
Acq: 18 Nov 2020 18:08

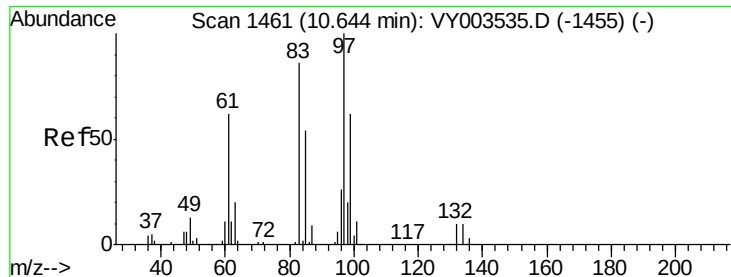
Tgt Ion: 75 Resp: 123494

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0

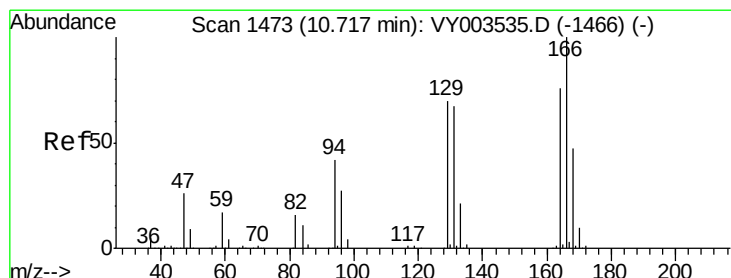
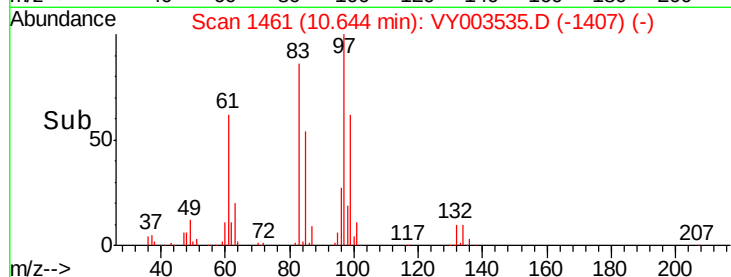
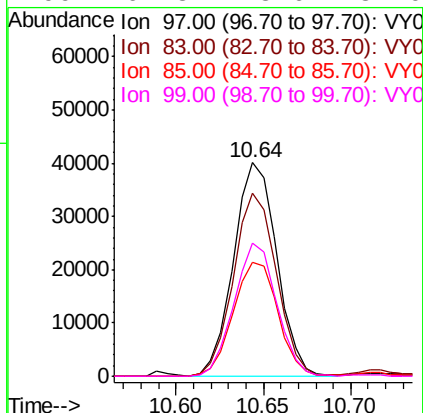
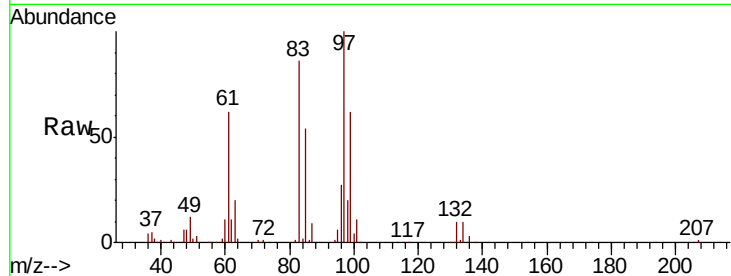




#46
1,1,2-Trichloroethane
Concen: 25.000 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

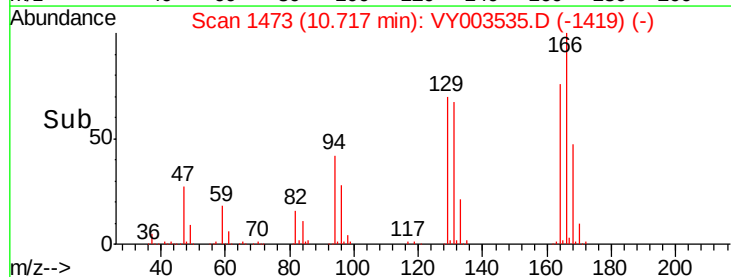
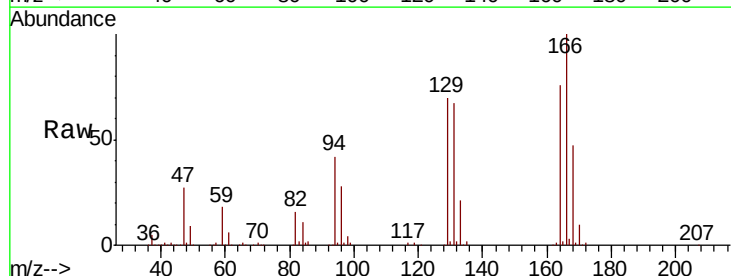
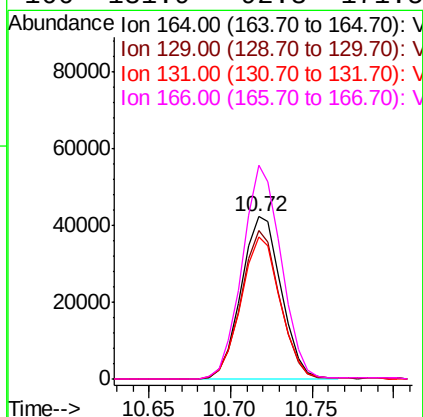
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

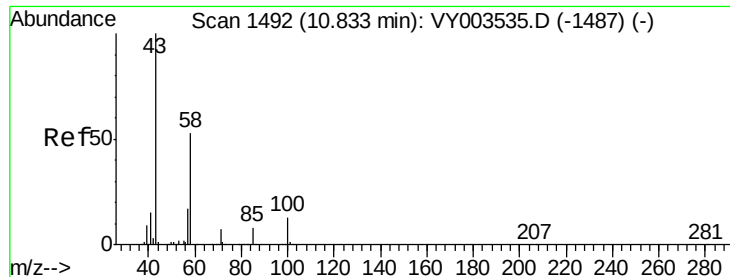
Tot Ion: 97 Resp: 69161
Ion Ratio Lower Upper
97 100
83 85.8 60.1 111.5
85 53.6 37.5 69.7
99 62.3 43.6 81.0



#47
Tetrachloroethene
Concen: 25.000 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 164 Resp: 72311
Ion Ratio Lower Upper
164 100
129 91.8 64.3 119.3
131 88.1 61.7 114.5
166 131.9 92.3 171.5

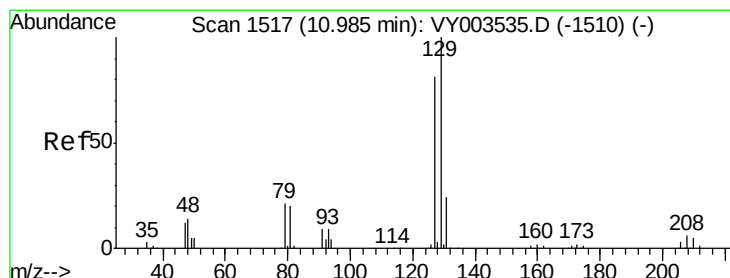
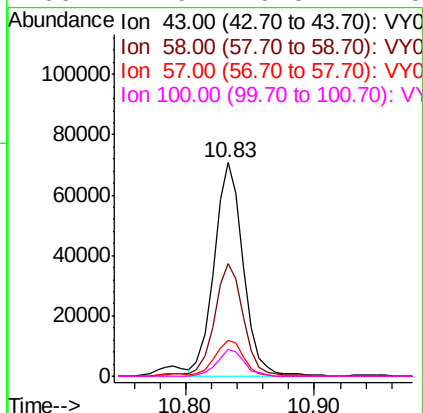
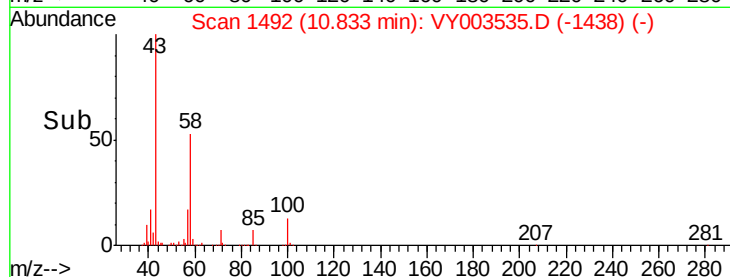
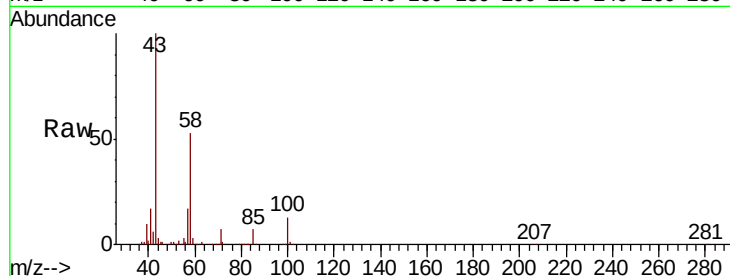




#49
2-Hexanone
Concen: 50.000 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

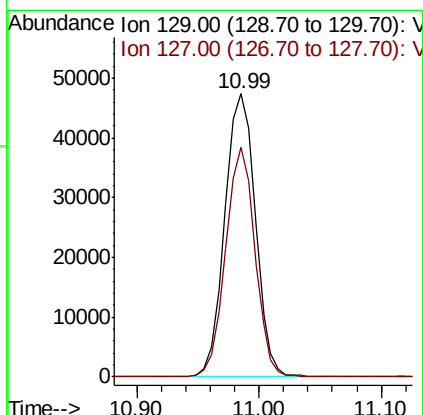
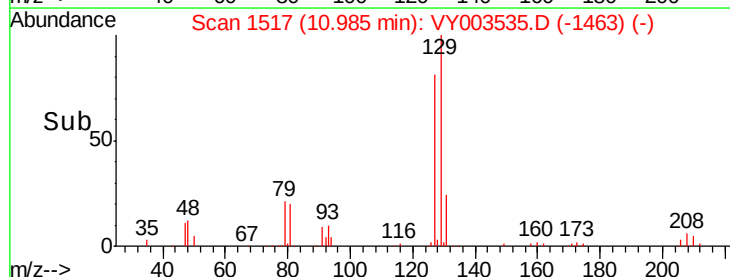
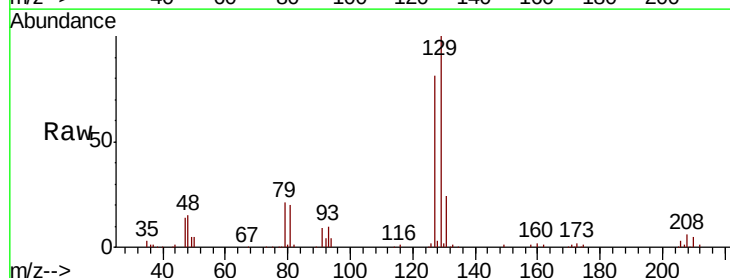
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

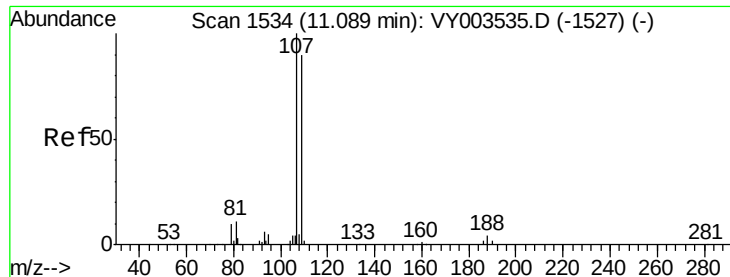
Tot Ion: 43 Resp: 112340
Ion Ratio Lower Upper
43 100
58 52.2 41.8 62.6
57 16.9 13.5 20.3
100 11.9 9.5 14.3



#50
Dibromochloromethane
Concen: 25.000 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion: 129 Resp: 82030
Ion Ratio Lower Upper
129 100
127 81.3 56.9 105.7

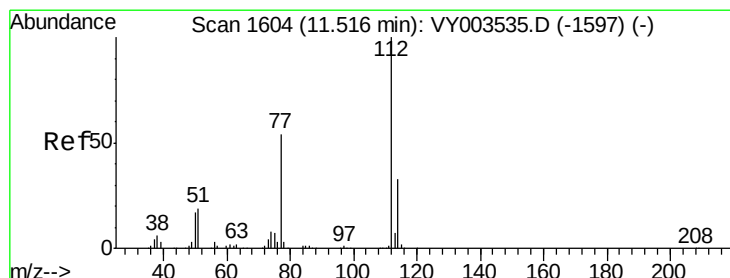
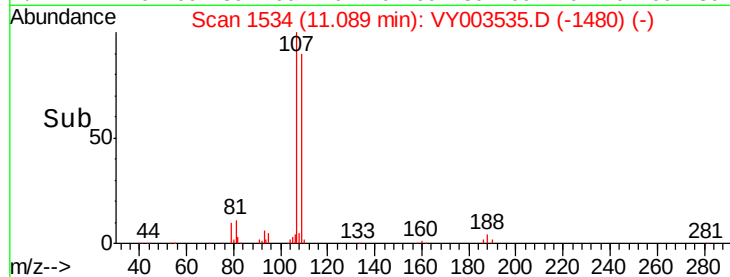
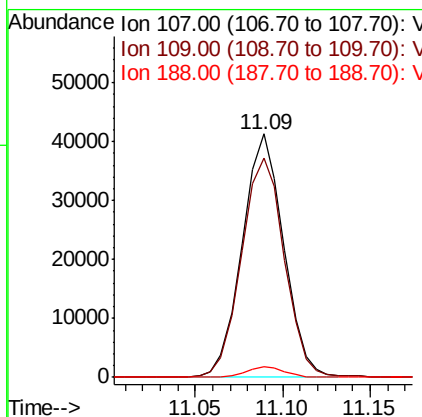
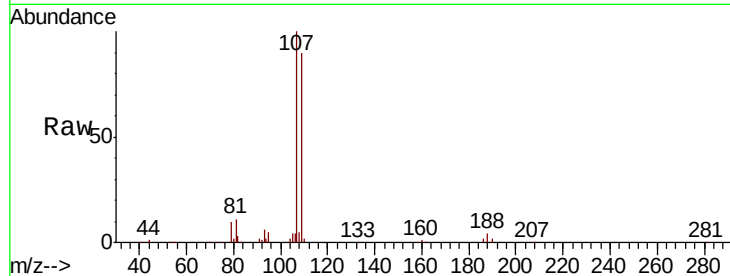




#51
 1,2-Dibromoethane
 Concen: 25.000 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

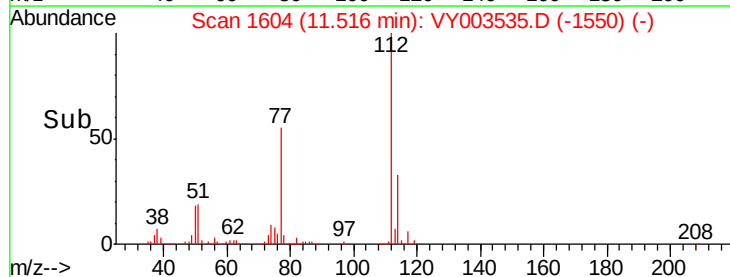
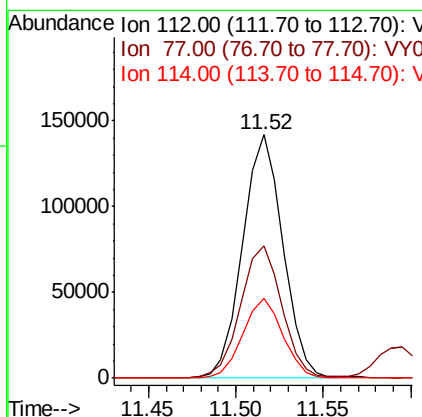
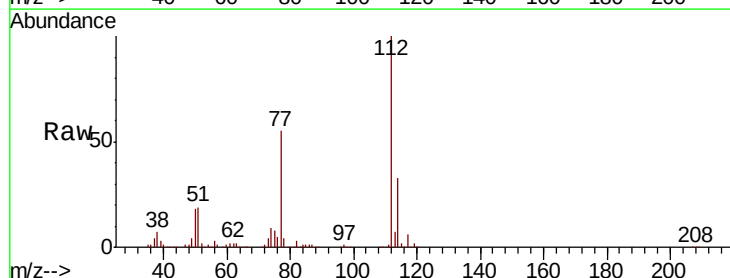
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02577

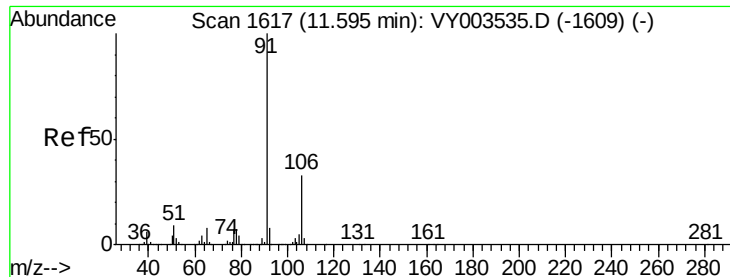
Tot Ion:107 Resp: 68012
 Ion Ratio Lower Upper
 107 100
 109 90.0 63.0 117.0
 188 4.3 3.4 5.2



#52
 Chlorobenzene
 Concen: 25.000 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion:112 Resp: 228323
 Ion Ratio Lower Upper
 112 100
 77 54.5 43.6 65.4
 114 32.8 23.0 42.6





#53

Ethylbenzene

Concen: 25.000 ug/L

RT: 11.59 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

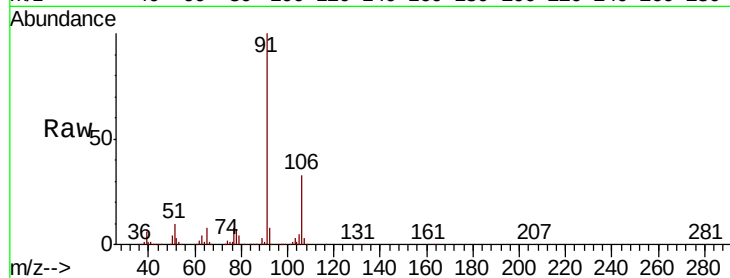
VSTD02577

Tot Ion: 91 Resp: 366192

Ion Ratio Lower Upper

91 100

106 32.7 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

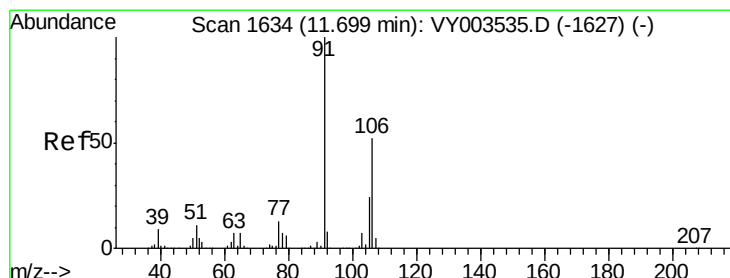
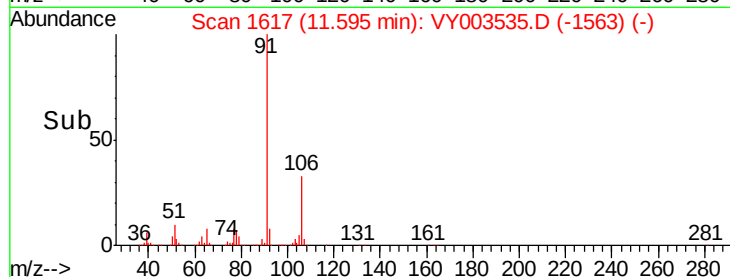
50000

0

11.50

11.60

Time-->



#54

m,p-Xylene

Concen: 25.000 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003535.D

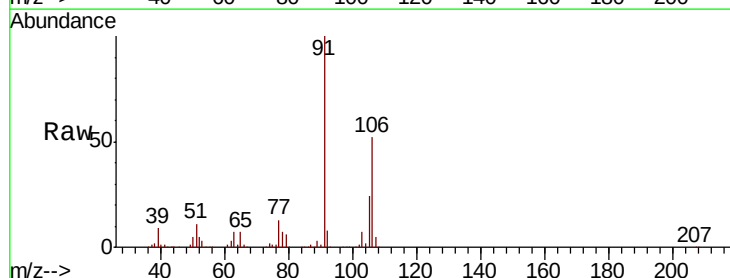
Acq: 18 Nov 2020 18:08

Tgt Ion: 106 Resp: 140462

Ion Ratio Lower Upper

106 100

91 191.2 133.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

100000

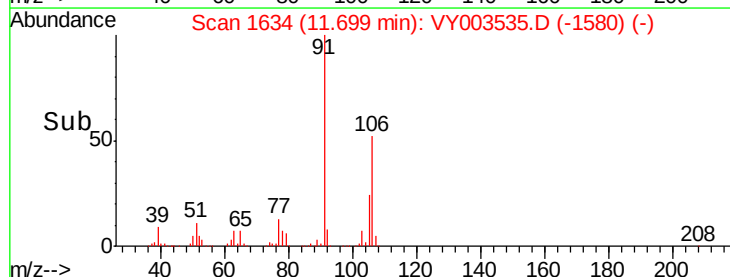
50000

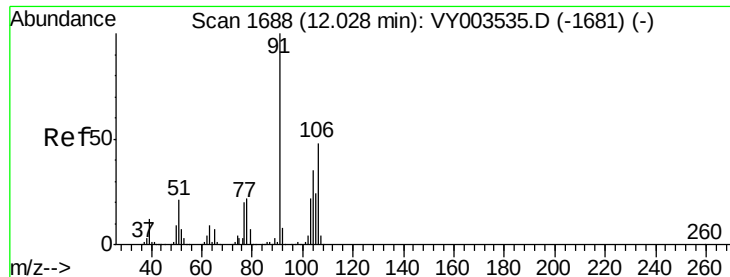
0

11.60

11.70

Time-->

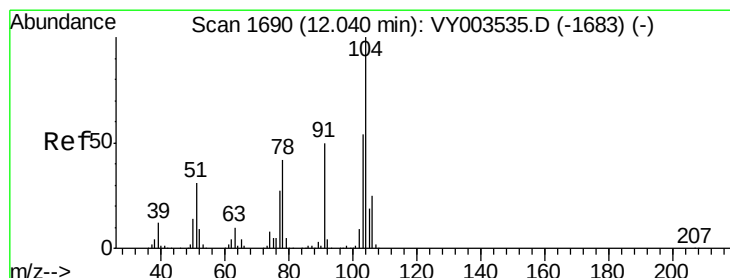
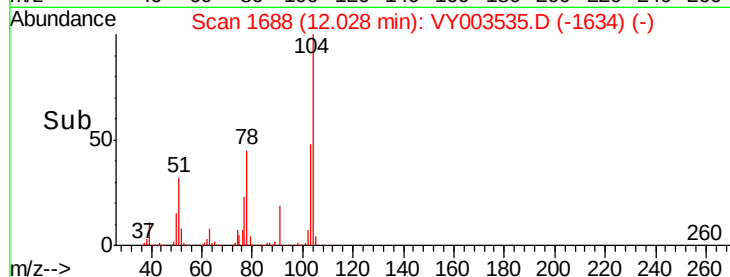
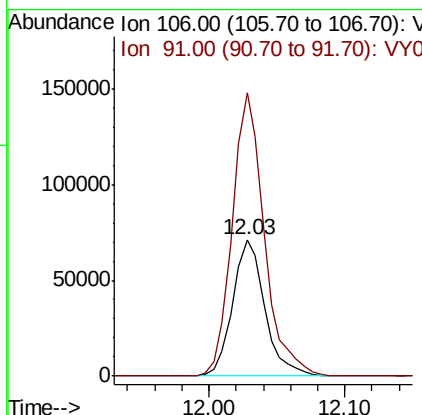
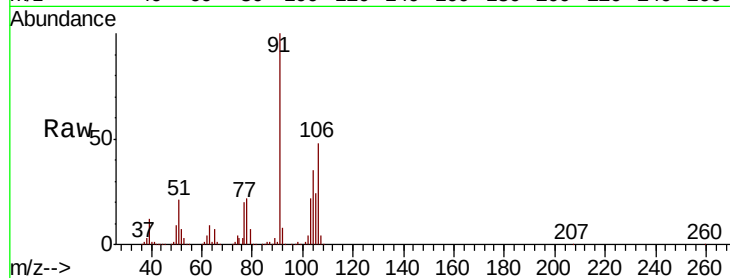




#55
o-xylene
Concen: 25.000 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

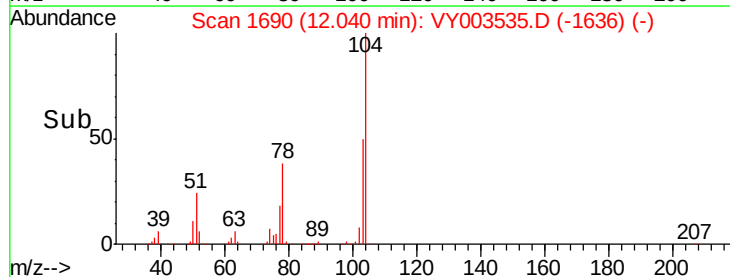
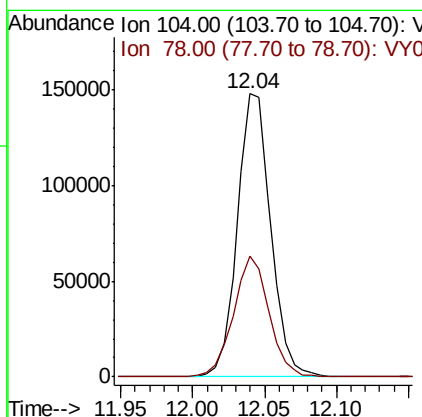
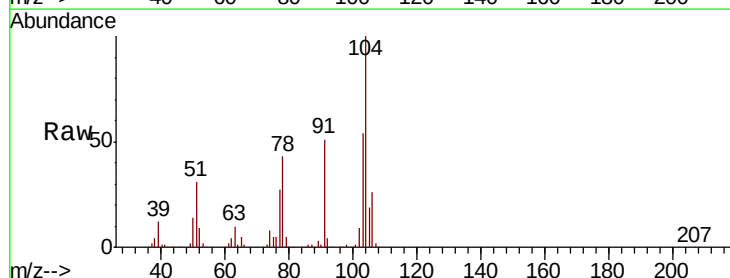
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02577

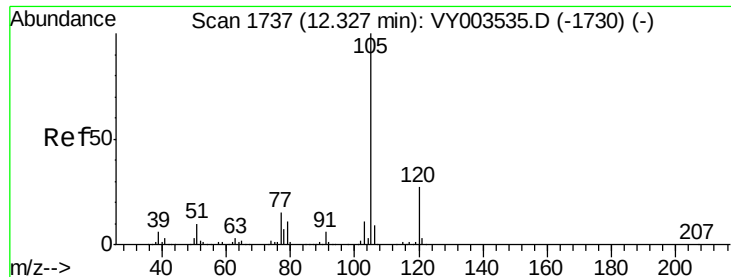
Tot Ion:106 Resp: 117415
Ion Ratio Lower Upper
106 100
91 206.9 144.8 269.0



#56
Styrene
Concen: 25.000 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003535.D
Acq: 18 Nov 2020 18:08

Tgt Ion:104 Resp: 238154
Ion Ratio Lower Upper
104 100
78 42.5 29.8 55.3





#57

Isopropylbenzene

Concen: 25.000 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02577

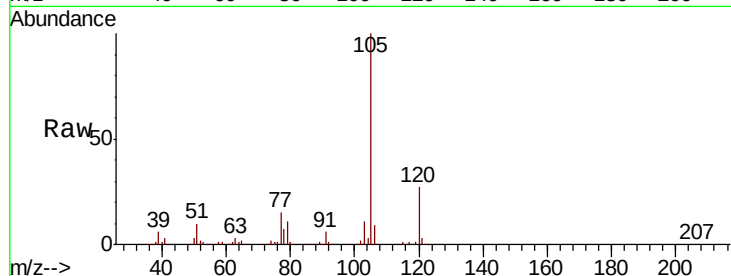
Tot Ion:105 Resp: 258284

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

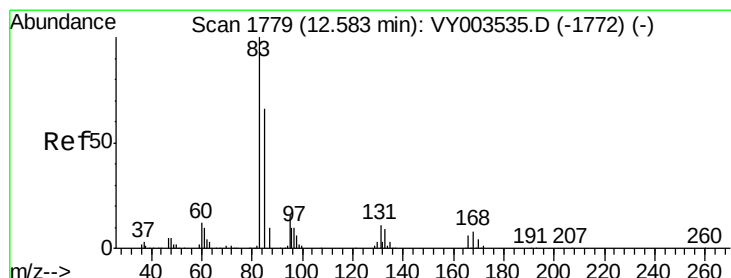
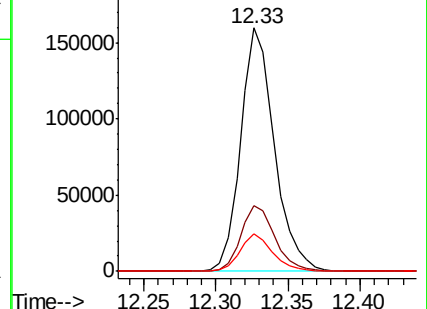
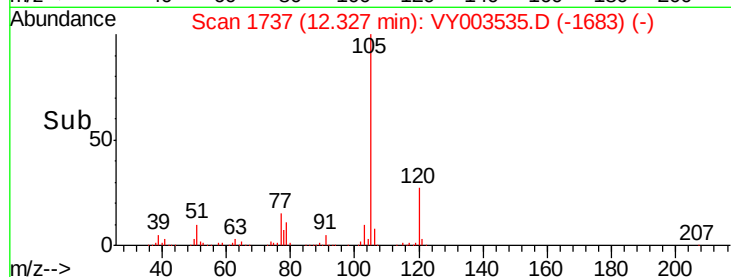
77 15.2 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): VY003535.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY003535.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY003535.D (-1730) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 25.000 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

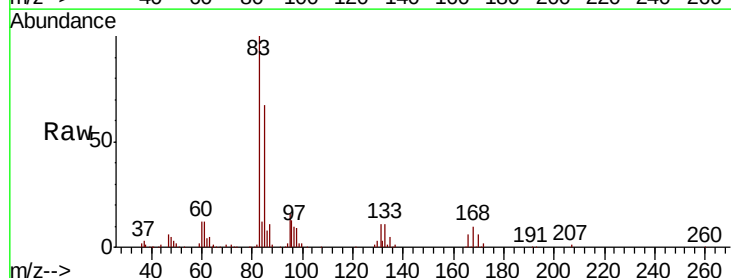
Tgt Ion: 83 Resp: 78133

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5

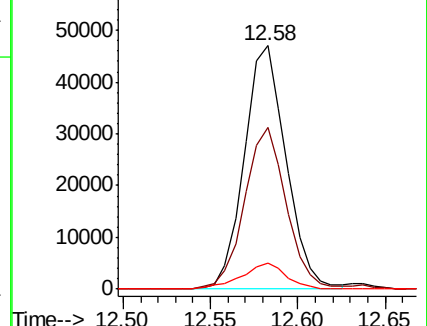
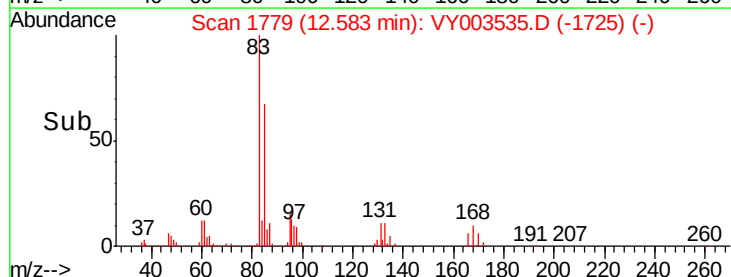
131 10.5 8.4 12.6

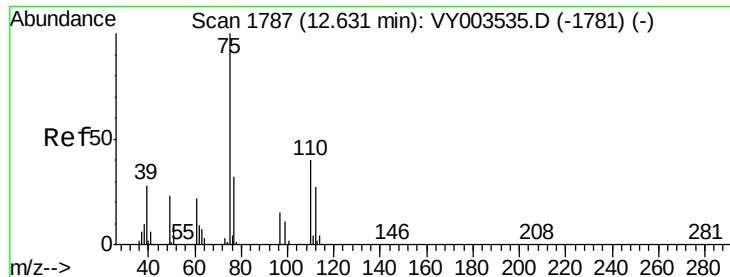


Abundance Ion 83.00 (82.70 to 83.70): VY003535.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY003535.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY003535.D (-1772) (-)





#59

1,2,3-Trichloropropane

Concen: 25.000 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

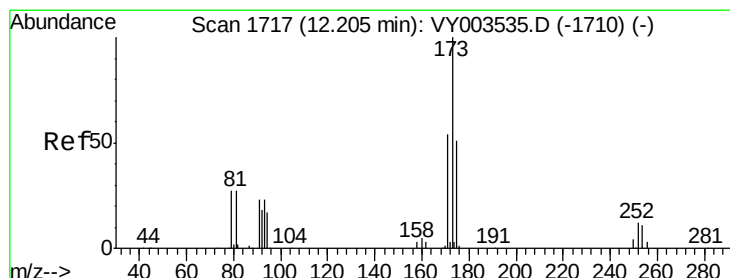
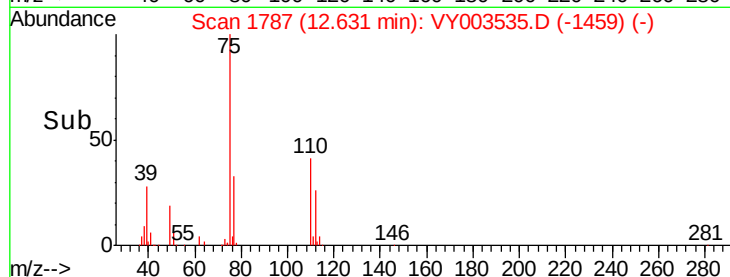
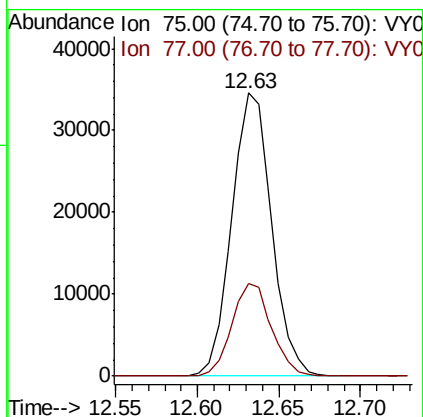
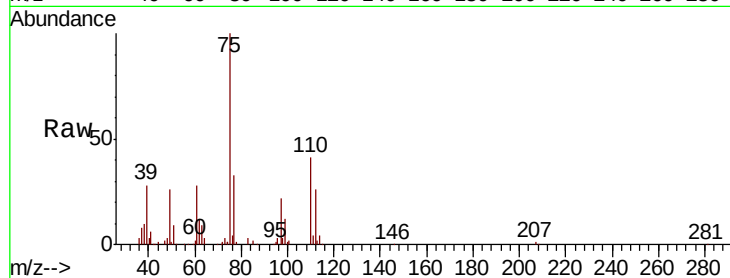
VSTD02577

Tot Ion: 75 Resp: 58822

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#62

Bromoform

Concen: 25.000 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

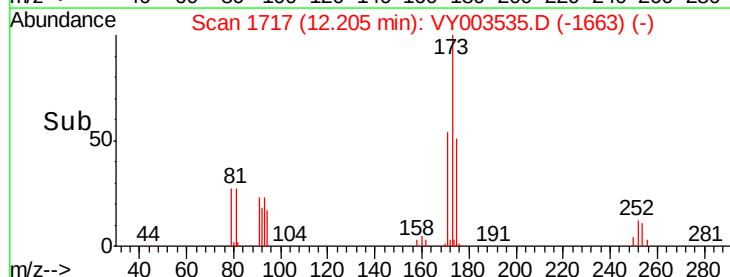
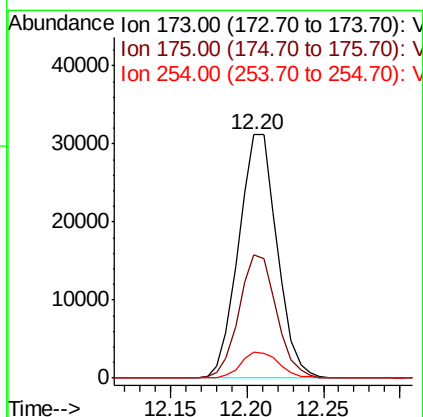
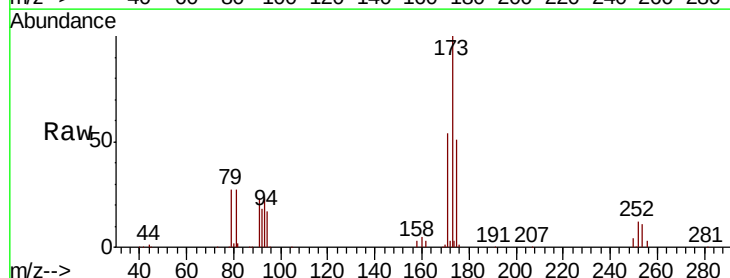
Tgt Ion: 173 Resp: 54539

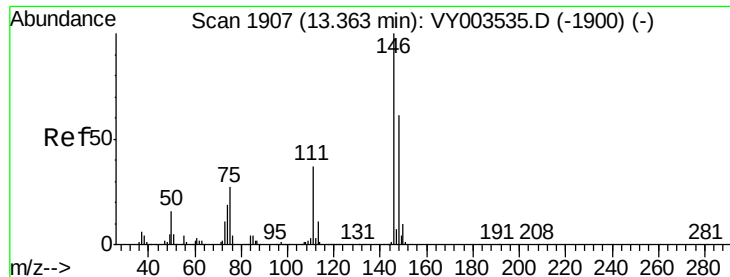
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 10.7 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 25.000 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02577

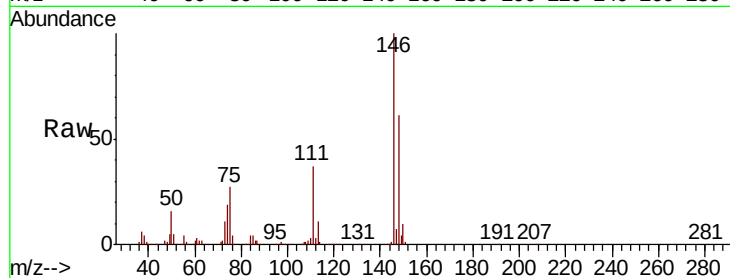
Tot Ion:146 Resp: 165699

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.8

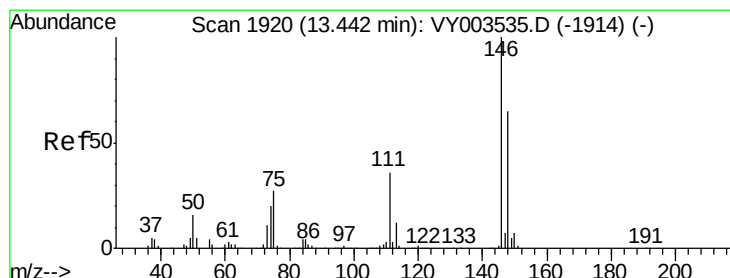
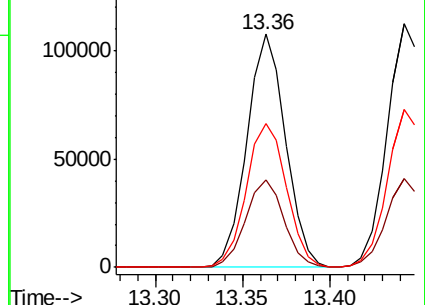
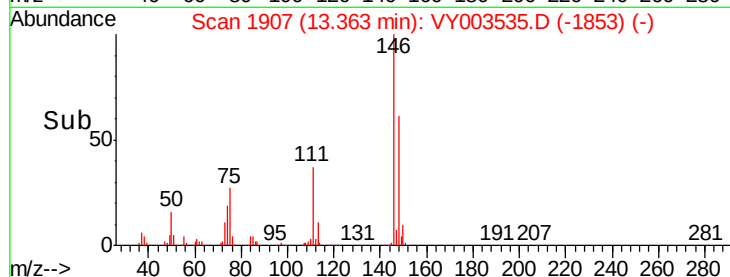
148 61.4 43.0 79.8



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



#64

1,4-Dichlorobenzene

Concen: 25.000 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

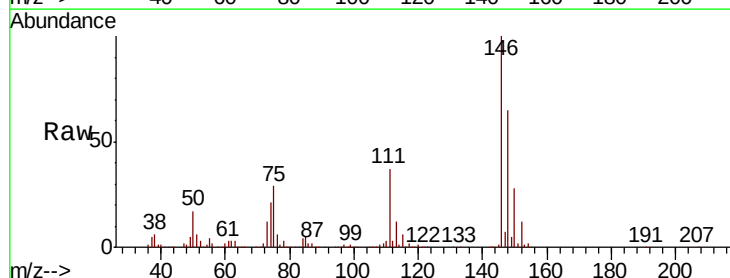
Tgt Ion:146 Resp: 169123

Ion Ratio Lower Upper

146 100

111 36.5 25.6 47.4

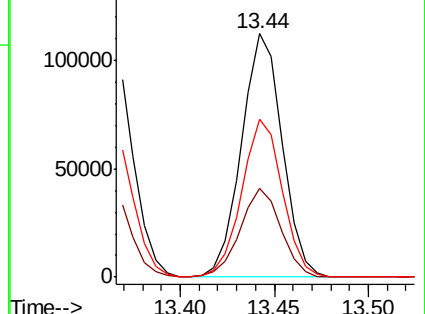
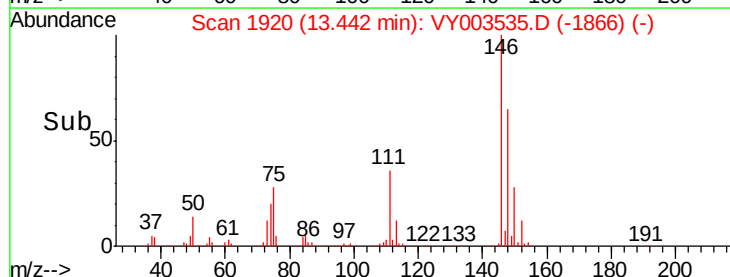
148 64.9 45.4 84.4

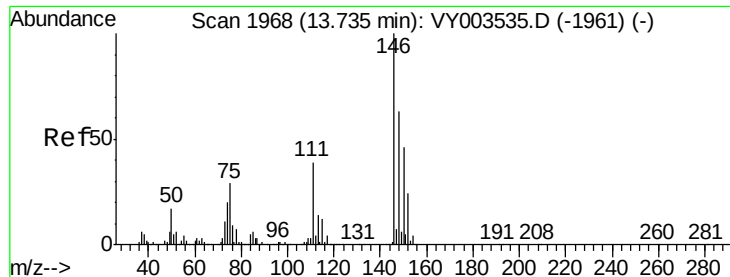


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

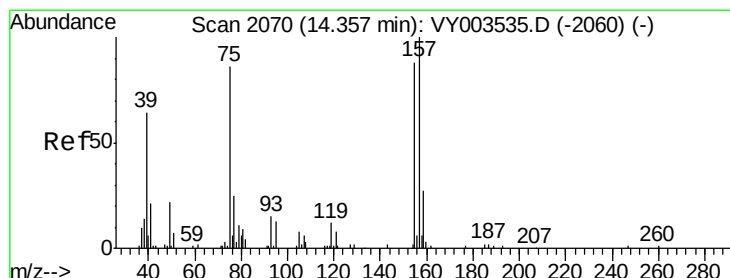
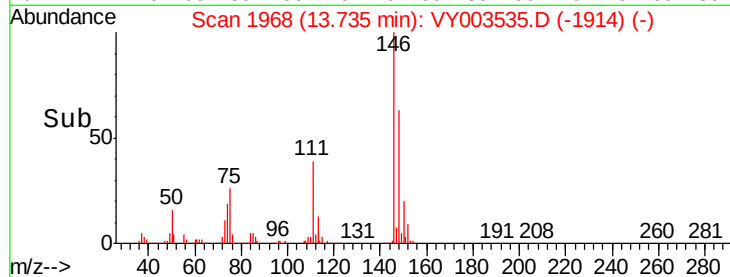
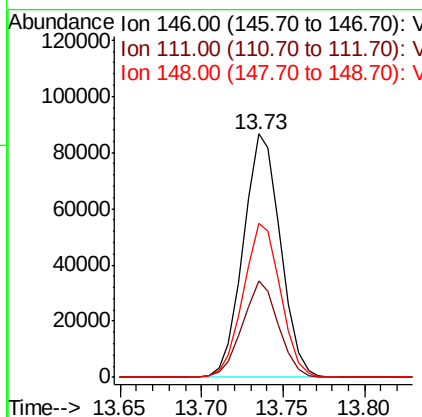
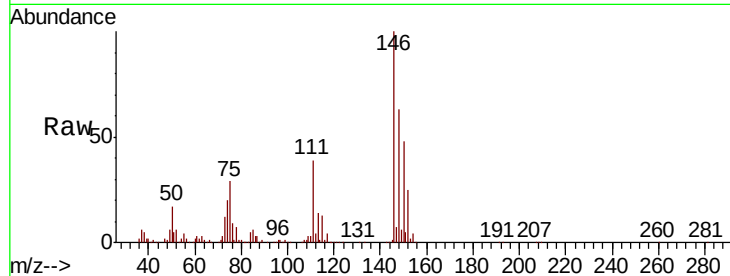




#65
 1,2-Dichlorobenzene
 Concen: 25.000 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

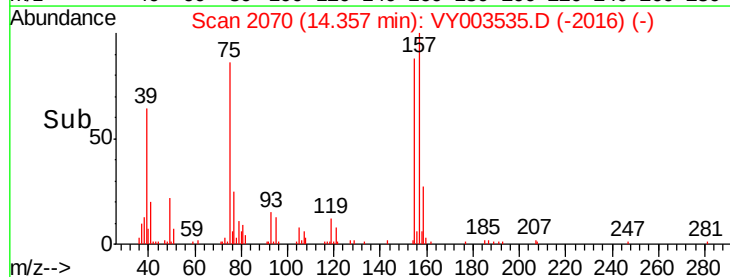
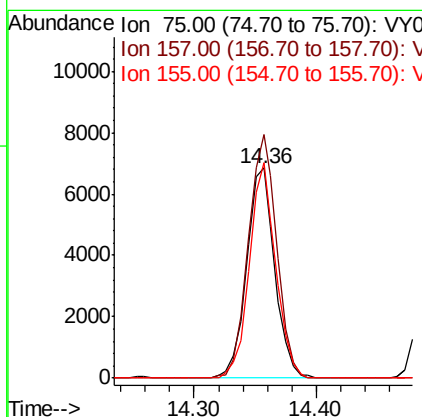
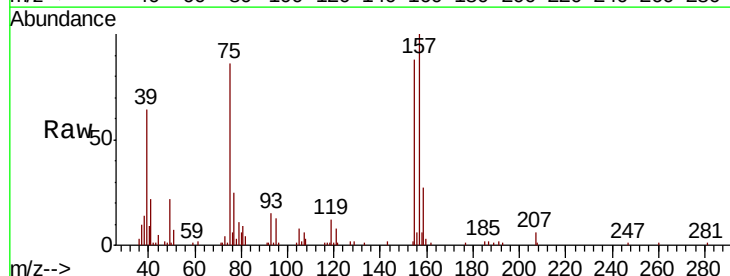
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

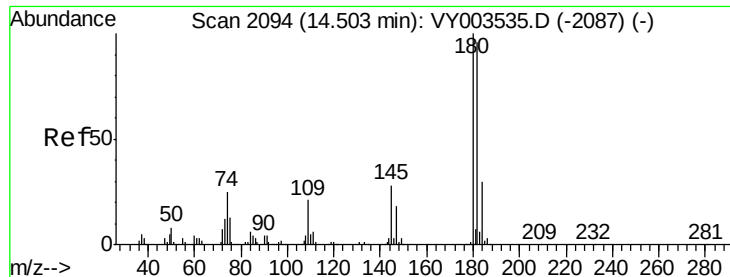
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.5	47.3
148	63.1	50.5	75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.000 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
157	116.0	92.8	139.2
155	102.4	81.9	122.9

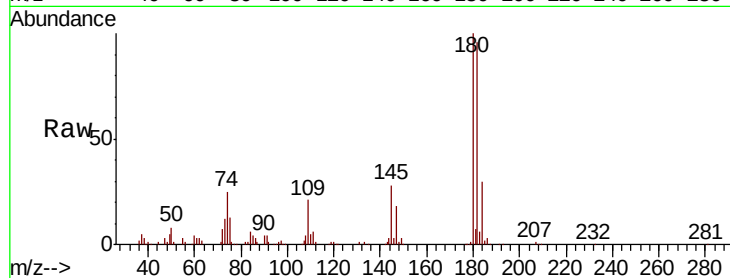




#67
 1,3,5-Trichlorobenzene
 Concen: 25.000 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02577

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.1	24.1	36.1
145	27.9	22.3	33.5



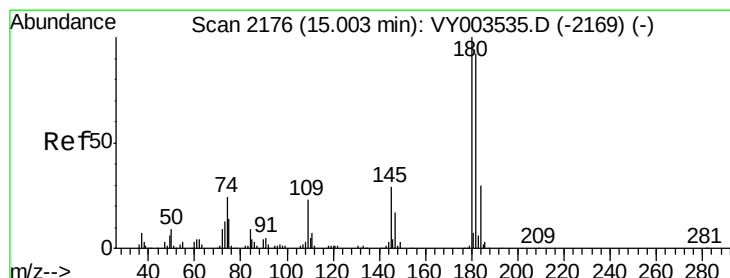
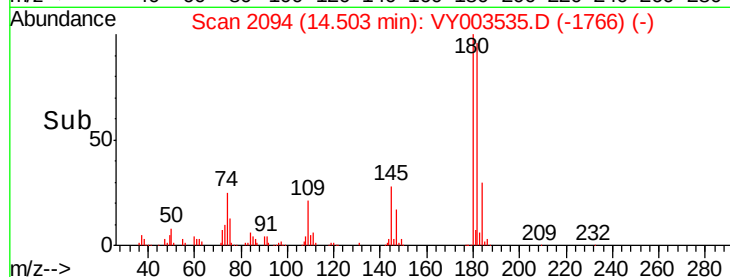
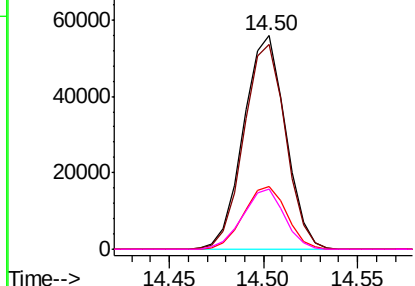
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

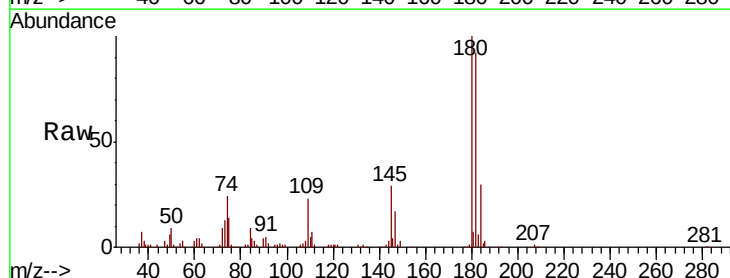
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.000 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003535.D
 Acq: 18 Nov 2020 18:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
145	28.3	22.6	34.0

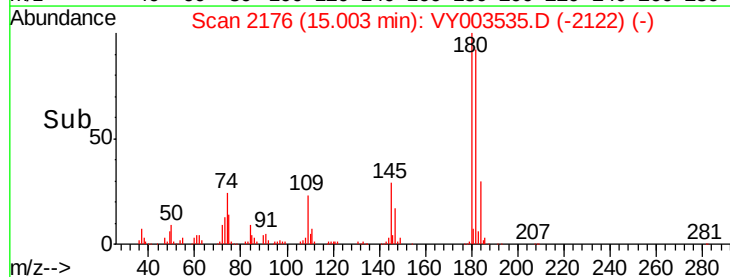
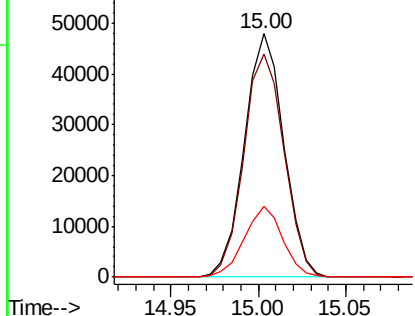


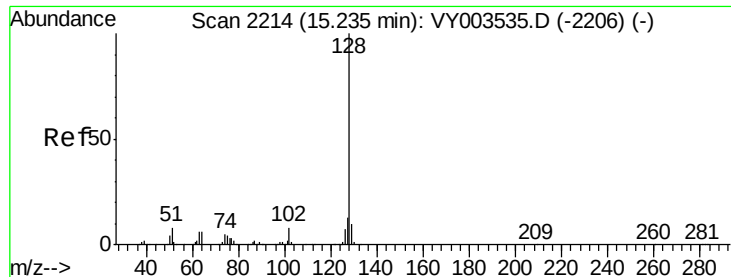
Abundance

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





#69

Naphthalene

Concen: 25.000 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02577

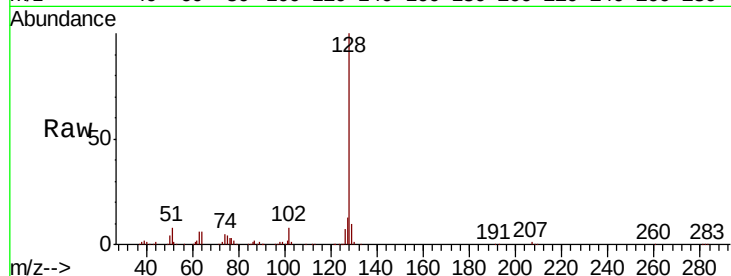
Tot Ion:128 Resp: 136418

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

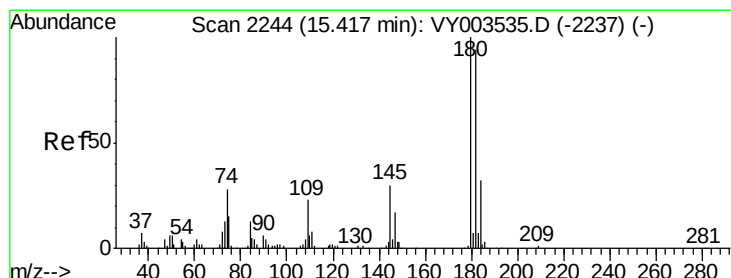
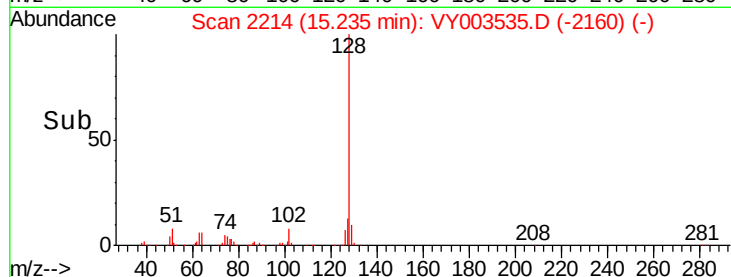
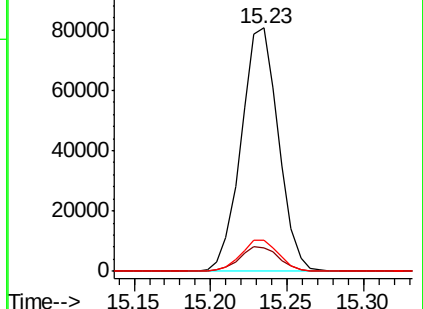
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.000 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003535.D

Acq: 18 Nov 2020 18:08

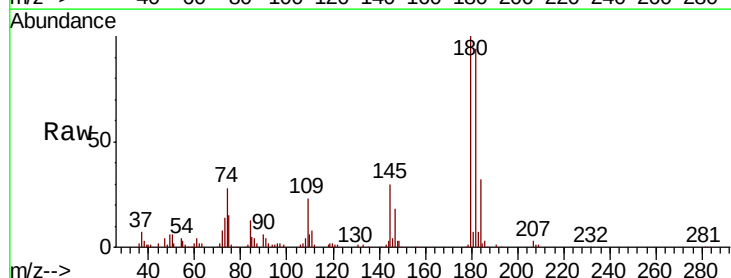
Tgt Ion:180 Resp: 57487

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 29.5 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

