

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003545.D
 Acq On : 19 Nov 2020 12:52
 Operator : SY/MD
 Sample : VSTD10080
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10080

Quant Time: Nov 19 13:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 12:23:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	246180	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	222000	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	111115	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	231483	110.66	ug/L	0.00
7) Chloroethane-d5	2.77	69	225432	92.96	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	586403	90.94	ug/L	0.00
20) 2-Butanone-d5	6.91	46	273881	211.24	ug/L	0.00
24) Chloroform-d	7.49	84	579461	93.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	323527	92.59	ug/L	0.00
29) Benzene-d6	8.12	84	1180636	91.80	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	356393	93.23	ug/L	0.00
37) Toluene-d8	10.18	98	1091510	95.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	181073	96.90	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	208825	220.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	318340	99.85	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	340762	96.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	152448	111.288 ug/L	99
3) Chloromethane	2.12	50	270604	97.191 ug/L	98
5) Vinyl chloride	2.26	62	334239	124.715 ug/L	98
6) Bromomethane	2.66	94	253892	103.253 ug/L	99
8) Chloroethane	2.80	64	219663	102.606 ug/L	100
9) Trichlorofluoromethane	3.13	101	328493	107.262 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	306833	97.278 ug/L	98
12) 1,1-Dichloroethene	3.88	96	333560	98.411 ug/L	98
13) Acetone	3.97	43	171627	173.663 ug/L	96
14) Carbon disulfide	4.20	76	1083110	99.088 ug/L	99
15) Methyl Acetate	4.49	43	232328	96.853 ug/L	100
16) Methylene chloride	4.72	84	336513	71.125 ug/L	100
17) Methyl tert-butyl Ether	5.23	73	515689	96.298 ug/L	# 90
18) trans-1,2-Dichloroethene	5.22	96	343910	94.928 ug/L	96
19) 1,1-Dichloroethane	6.03	63	584441	94.355 ug/L	99
21) 2-Butanone	7.00	43	302989	188.452 ug/L	99
22) cis-1,2-Dichloroethene	6.99	96	359396	94.845 ug/L	98
23) Bromochloromethane	7.35	128	170136	93.280 ug/L	95
25) Chloroform	7.52	83	574382	94.650 ug/L	100
27) 1,2-Dichloroethane	8.24	62	386357	94.146 ug/L	99
30) Cyclohexane	7.79	56	554802	105.163 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	462257	99.385 ug/L	100
32) Carbon tetrachloride	7.91	117	452053	102.721 ug/L	99
34) Benzene	8.17	78	1325007	93.813 ug/L	100
35) Trichloroethene	8.94	95	338127	95.554 ug/L	99
36) Methylcyclohexane	9.19	83	573915	104.767 ug/L	99
40) 1,2-Dichloropropane	9.22	63	329093	94.024 ug/L	100
41) Bromodichloromethane	9.50	83	432496	96.453 ug/L	100
42) cis-1,3-Dichloropropene	9.93	75	546536	99.319 ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	596170	200.488 ug/L	99

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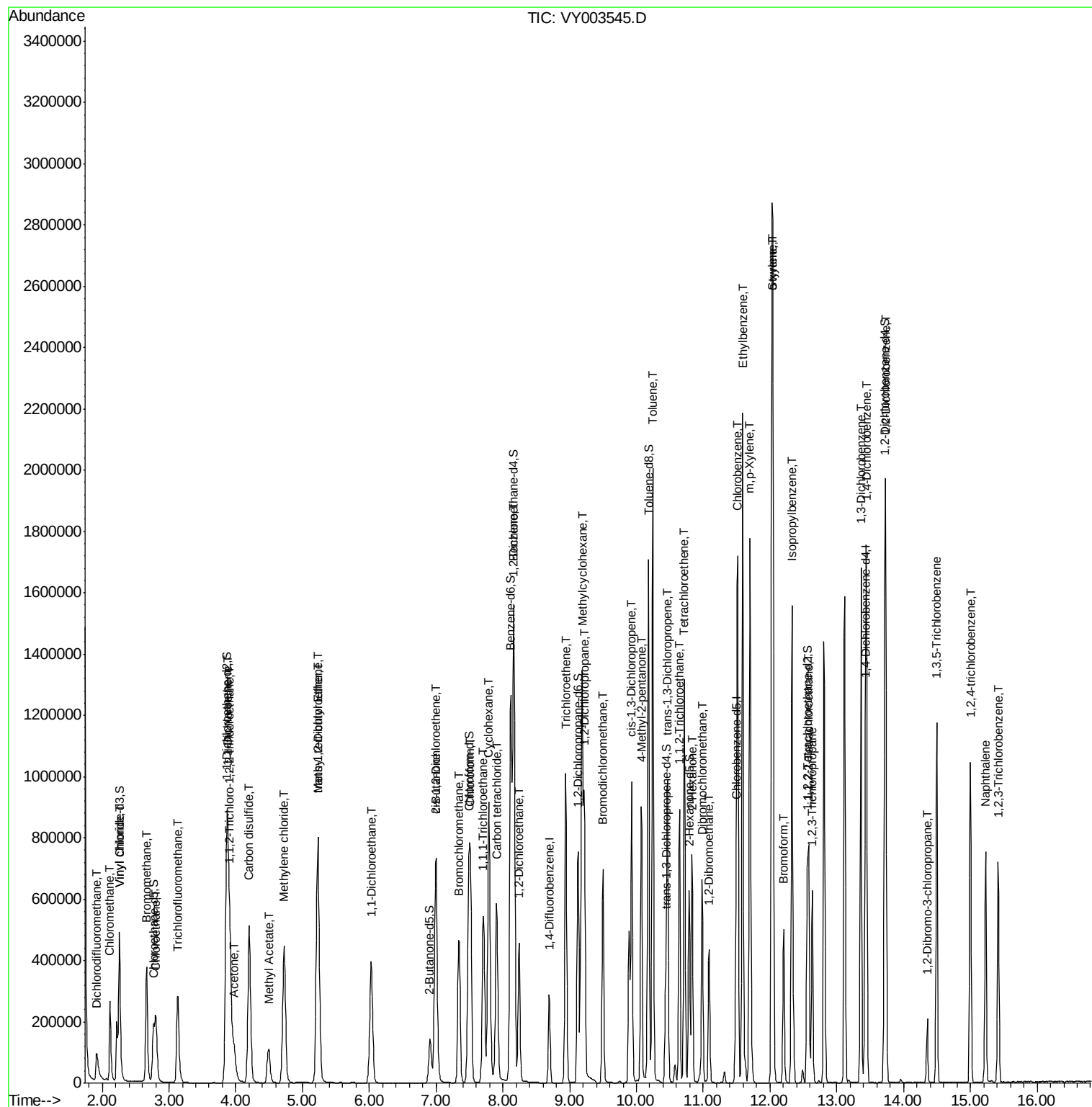
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	1422370	97.032	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	499888	99.592	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	266880	94.970	ug/L	99
47) Tetrachloroethene	10.72	164	294218	94.299	ug/L	97
49) 2-Hexanone	10.83	43	460963	209.259	ug/L	100
50) Dibromochloromethane	10.99	129	327954	99.133	ug/L	97
51) 1,2-Dibromoethane	11.09	107	269637	96.639	ug/L	98
52) Chlorobenzene	11.52	112	890499	94.679	ug/L	99
53) Ethylbenzene	11.59	91	1504407	101.016	ug/L	99
54) m,p-Xylene	11.70	106	579905	99.900	ug/L	100
55) o-xylene	12.03	106	489699	100.314	ug/L	92
56) Styrene	12.04	104	971618	102.504	ug/L	97
57) Isopropylbenzene	12.33	105	1082142	100.580	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	315006	100.402	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	241548	98.815	ug/L	100
62) Bromoform	12.20	173	223628	97.791	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	657993	93.905	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	668515	92.716	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	548971	95.386	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	45545	100.804	ug/L	99
67) 1,3,5-Trichlorobenzene	14.50	180	350920	95.743	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	326124	102.559	ug/L	100
69) Naphthalene	15.23	128	601821	106.818	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	235700	97.868	ug/L	99

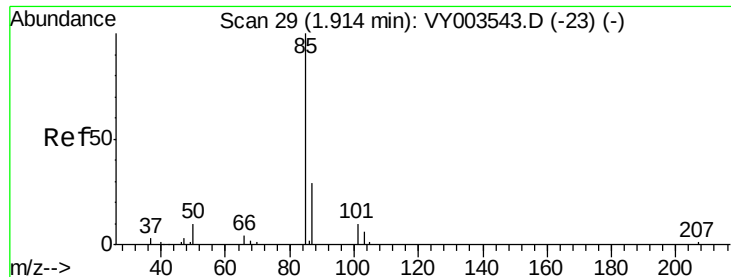
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 111.288 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampled :

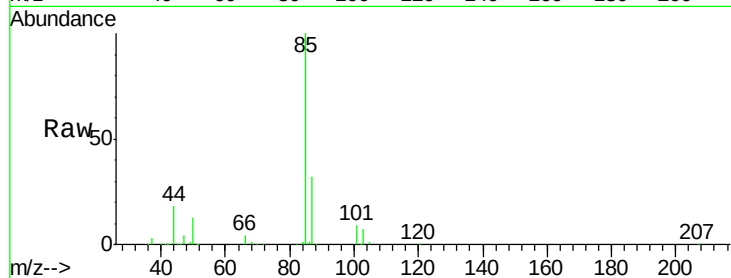
VSTD10080

Tgt Ion: 85 Resp: 152448

Ion Ratio Lower Upper

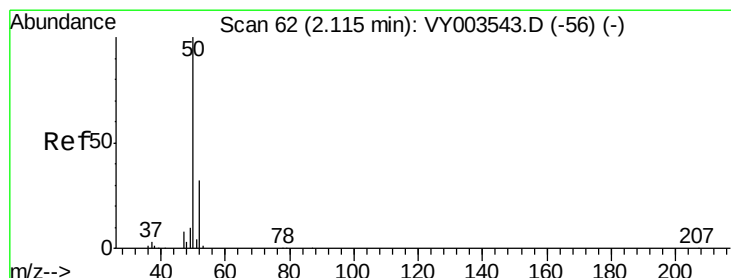
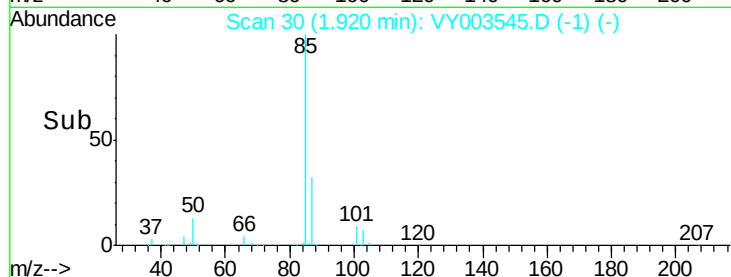
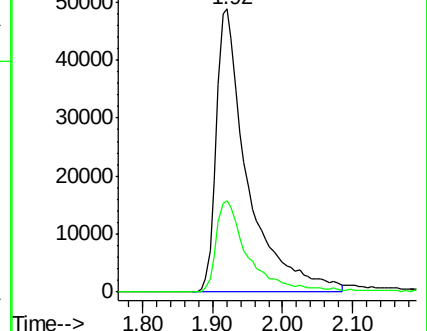
85 100

87 31.0 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 97.191 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003545.D

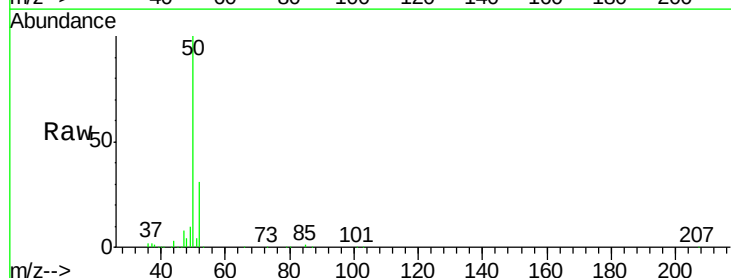
Acq: 19 Nov 2020 12:52

Tgt Ion: 50 Resp: 270604

Ion Ratio Lower Upper

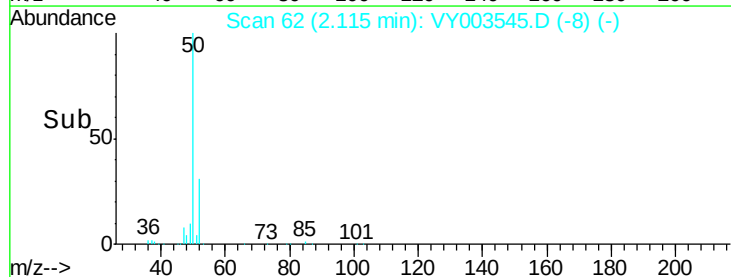
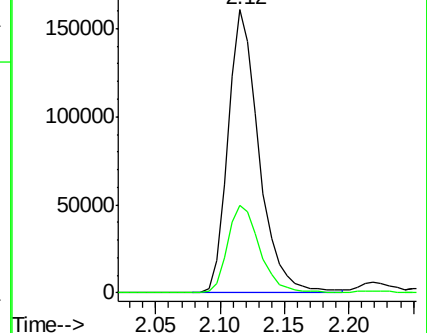
50 100

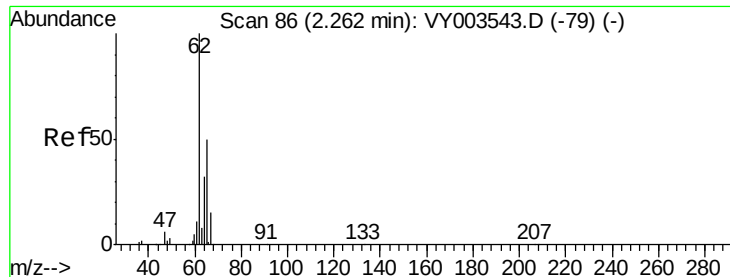
52 31.1 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 124.715 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

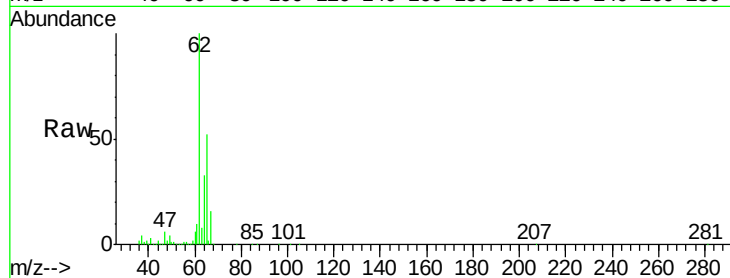
VSTD10080

Tgt Ion: 62 Resp: 334239

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.26

200000

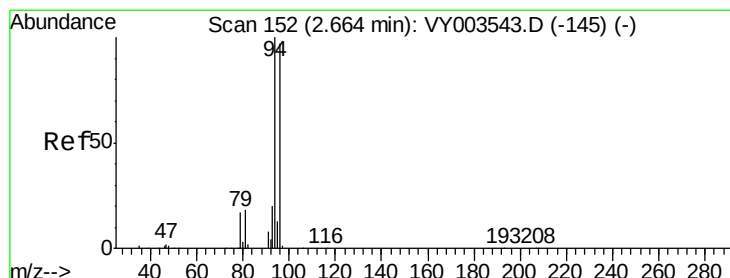
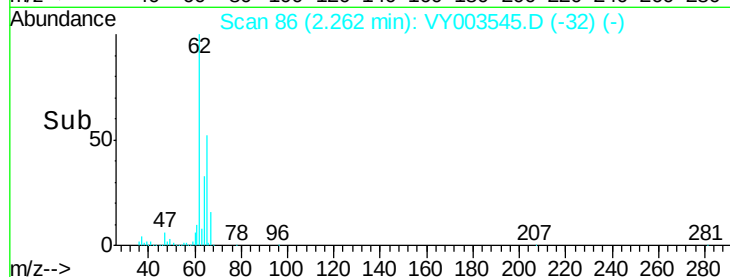
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 103.253 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003545.D

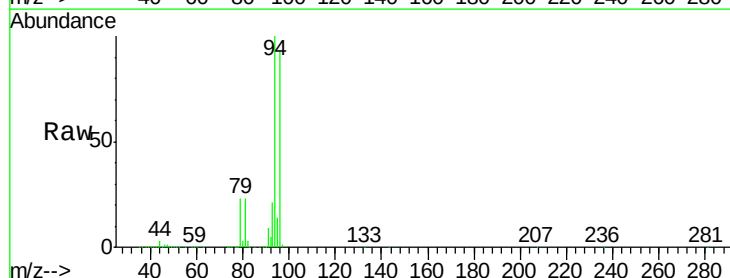
Acq: 19 Nov 2020 12:52

Tgt Ion: 94 Resp: 253892

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

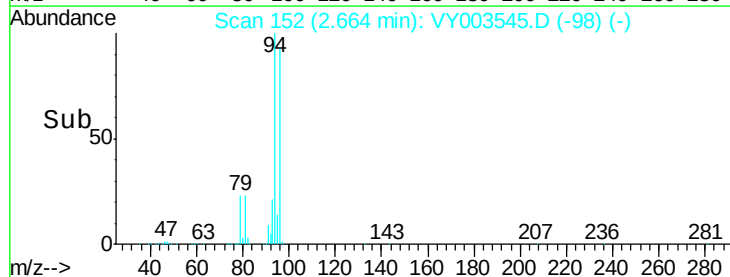
2.66

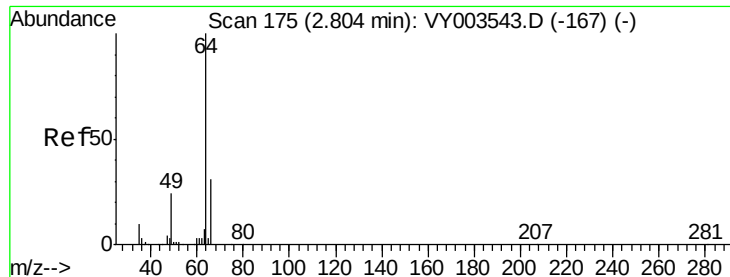
100000

50000

0

Time-->

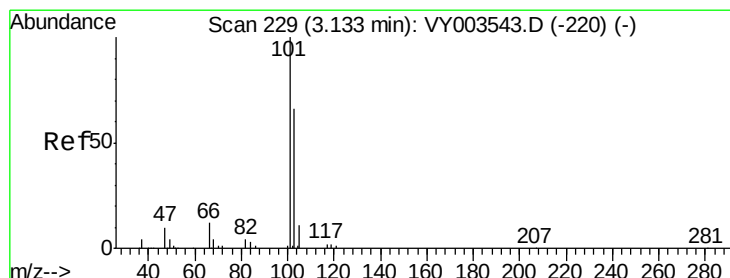
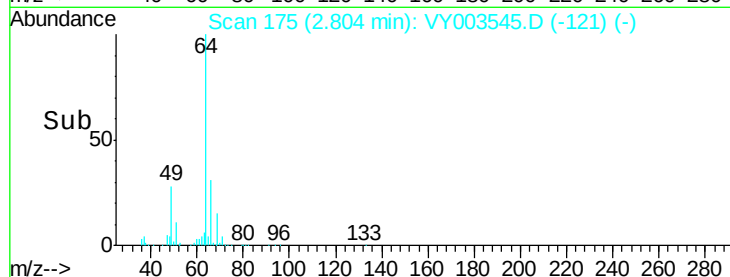
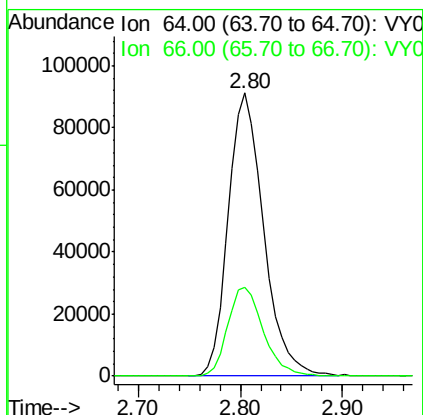
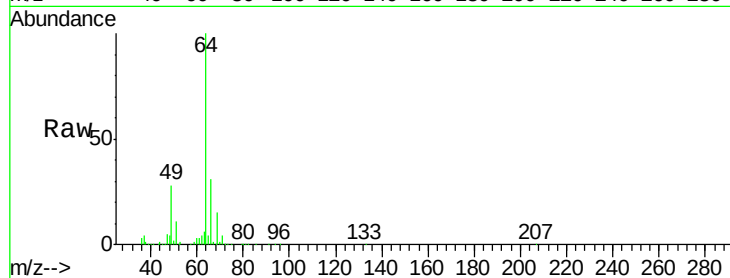




#8
Chloroethane
Concen: 102.606 ug/L
RT: 2.80 min Scan# 175
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

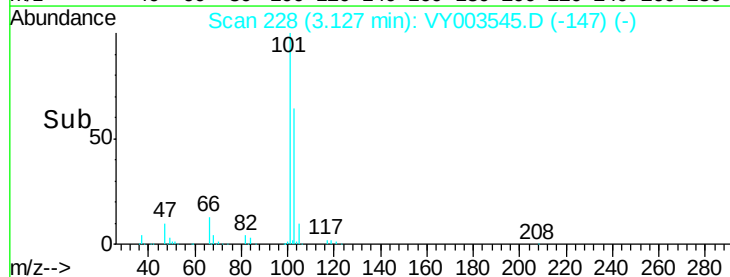
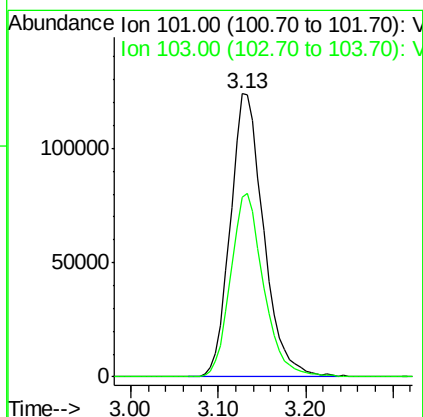
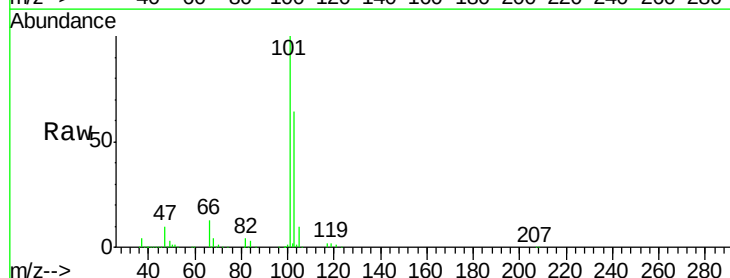
Instrument :
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VSTD10080

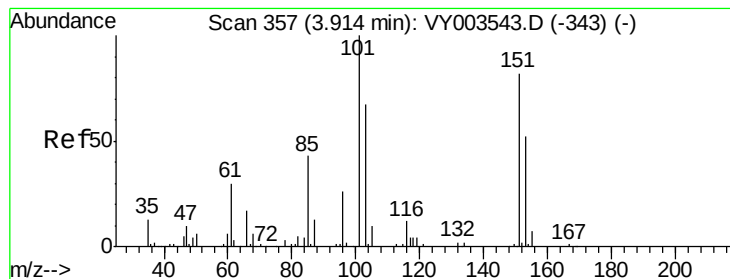
Tgt Ion: 64 Resp: 219663
Ion Ratio Lower Upper
64 100
66 31.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 107.262 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 101 Resp: 328493
Ion Ratio Lower Upper
101 100
103 63.9 45.6 84.6





#11

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

Concen: 97.278 ug/L

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

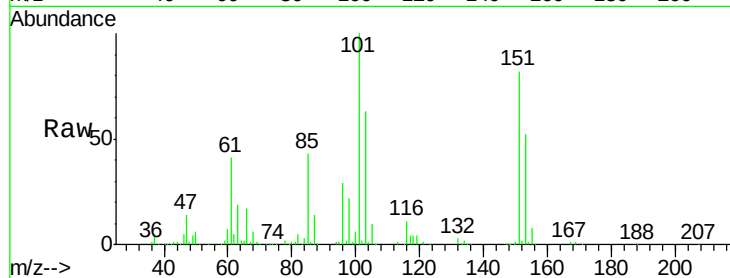
Tgt Ion: 101 Resp: 306833

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.4

151 80.1 65.4 98.0

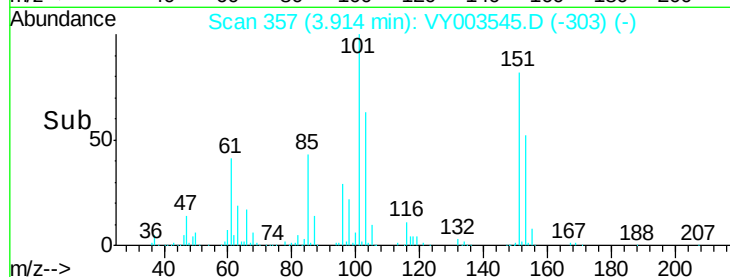


Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)

Time-->

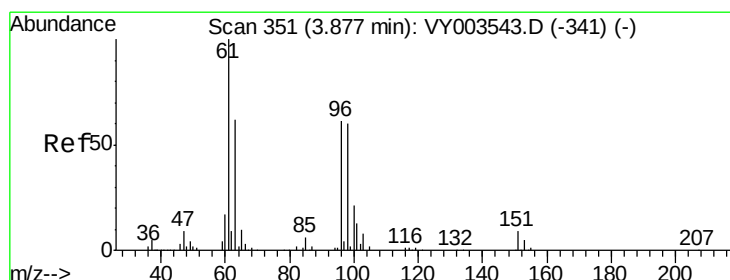


Abundance Ion 101.00 (100.70 to 101.70): VY003545.D (-303) (-)

Ion 85.00 (84.70 to 85.70): VY003545.D (-303) (-)

Ion 151.00 (150.70 to 151.70): VY003545.D (-303) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 98.411 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

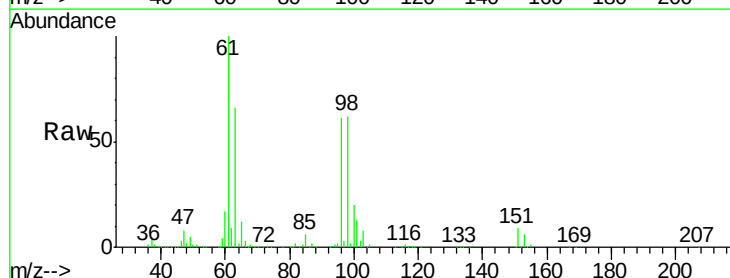
Tgt Ion: 96 Resp: 333560

Ion Ratio Lower Upper

96 100

61 163.7 116.6 216.6

63 108.5 77.5 143.9

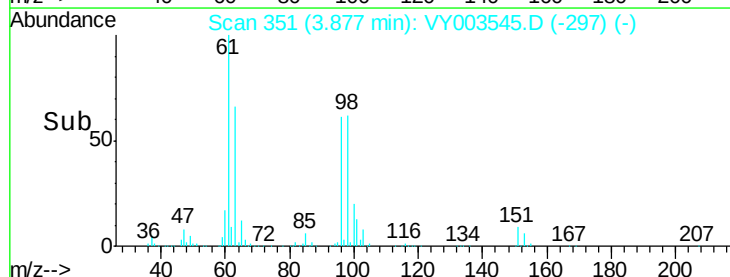


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003543.D (-341) (-)

Ion 63.00 (62.70 to 63.70): VY003543.D (-341) (-)

Time-->

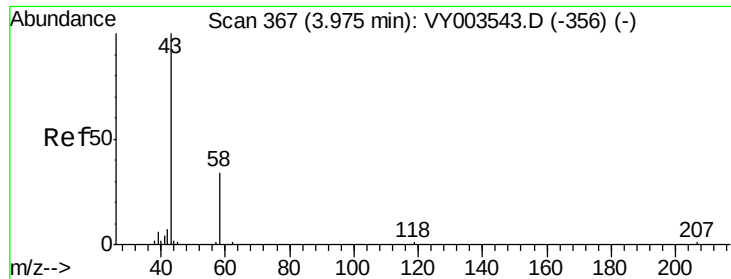


Abundance Ion 96.00 (95.70 to 96.70): VY003545.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003545.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003545.D (-297) (-)

Time-->



#13

Acetone

Concen: 173.663 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY003545.D

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ClientSampleId :

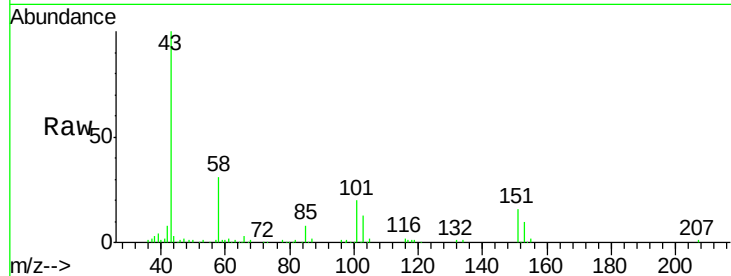
VSTD10080

Tgt Ion: 43 Resp: 171627

Ion Ratio Lower Upper

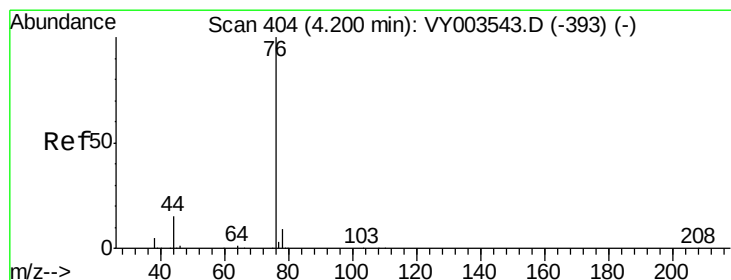
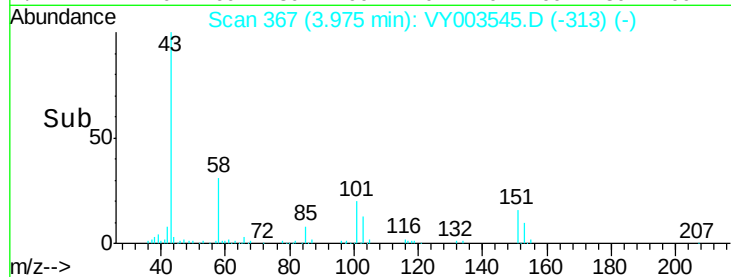
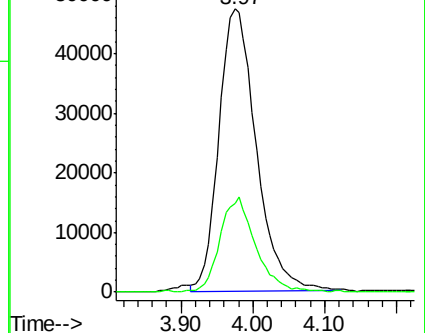
43 100

58 30.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 99.088 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003545.D

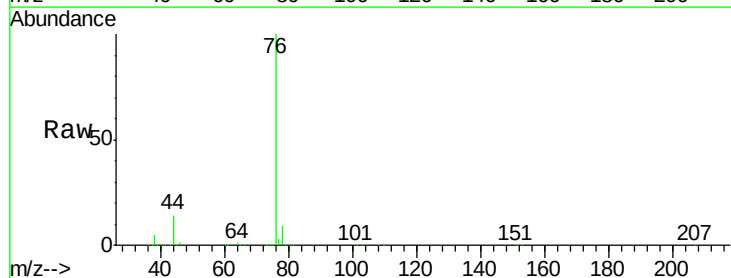
Acq: 19 Nov 2020 12:52

Tgt Ion: 76 Resp: 1083110

Ion Ratio Lower Upper

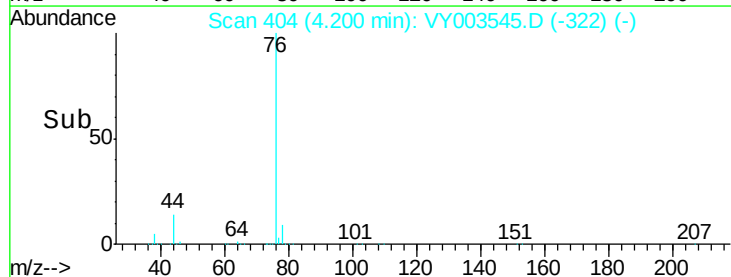
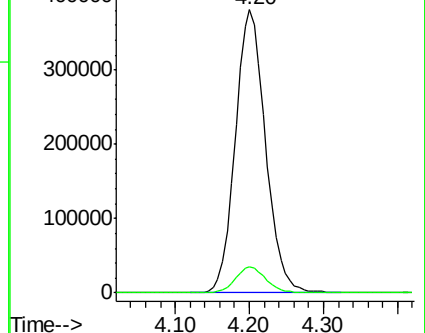
76 100

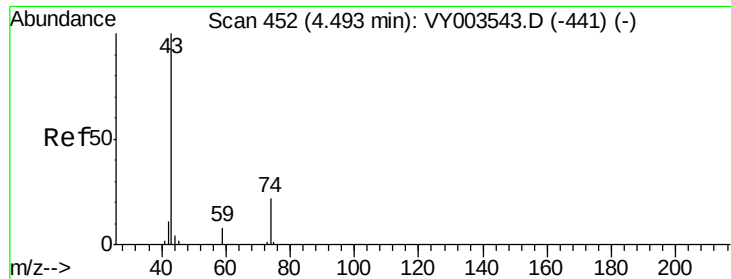
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

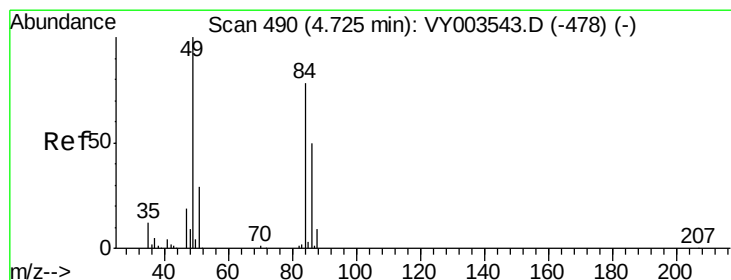
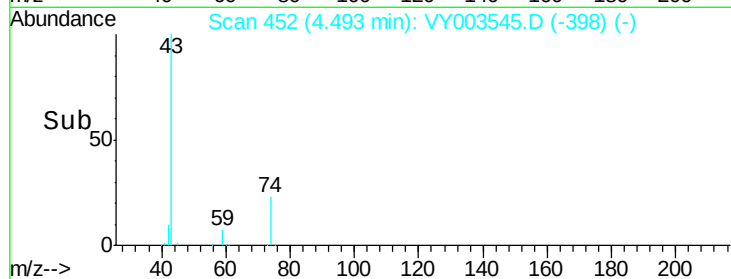
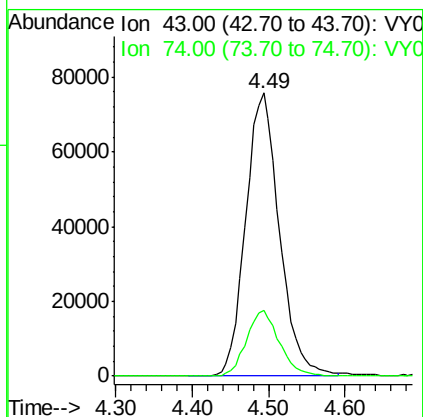
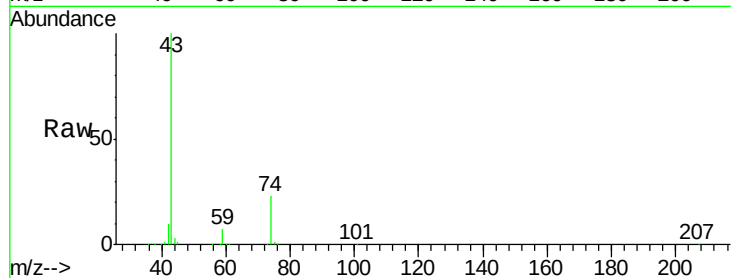




#15
Methyl Acetate
Concen: 96.853 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

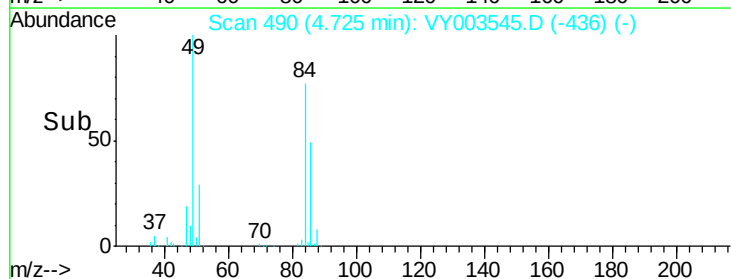
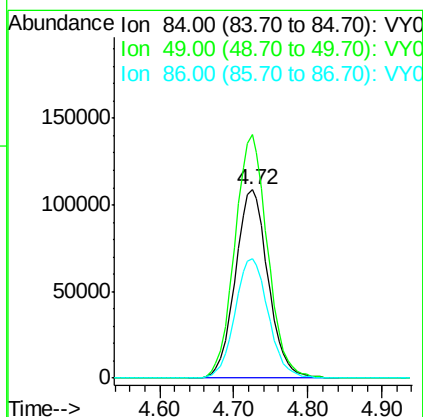
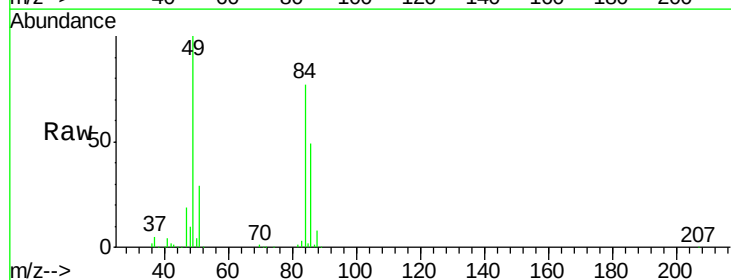
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

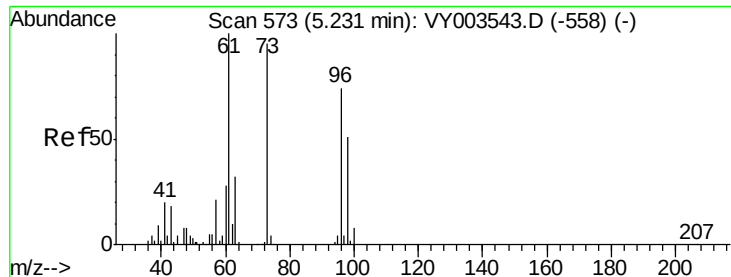
Tgt Ion: 43 Resp: 232328
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.2



#16
Methylene chloride
Concen: 71.125 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 84 Resp: 336513
Ion Ratio Lower Upper
84 100
49 129.2 90.3 167.7
86 63.3 44.7 83.1

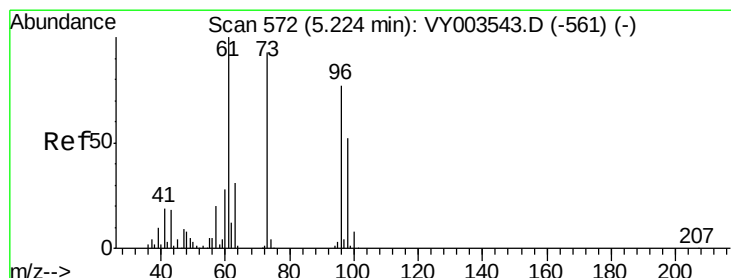
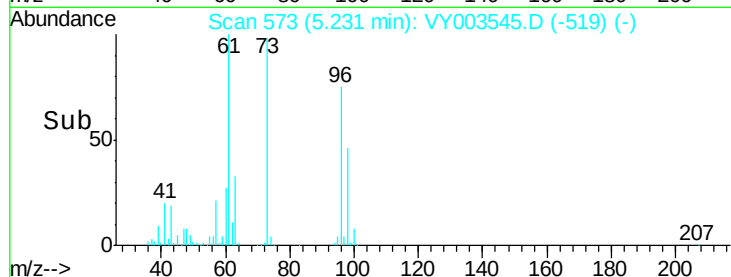
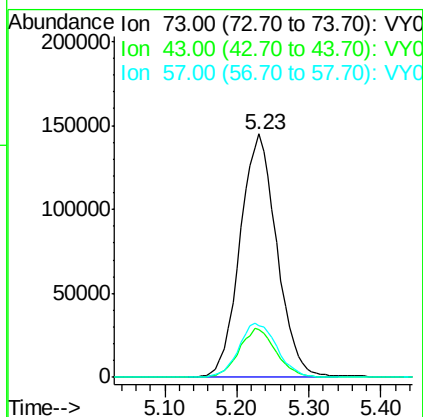
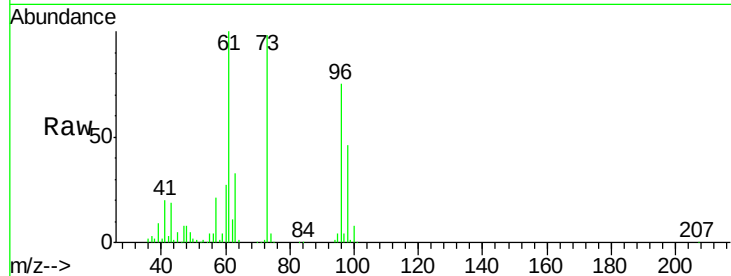




#17
Methyl tert-butyl Ether
Concen: 96.298 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

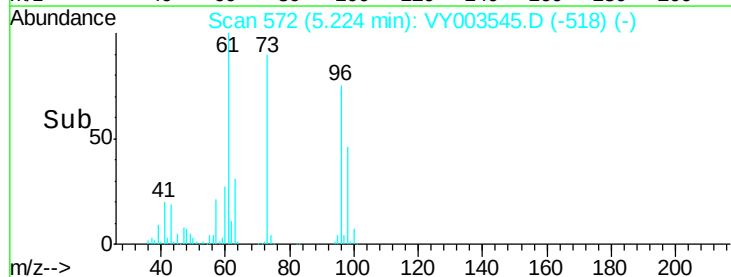
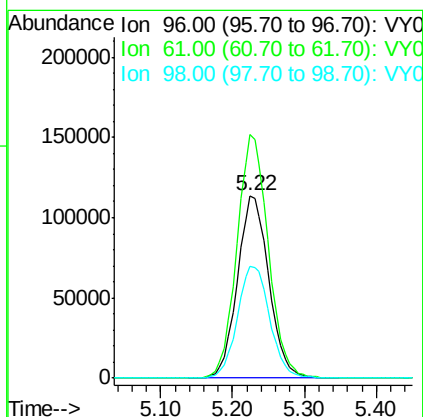
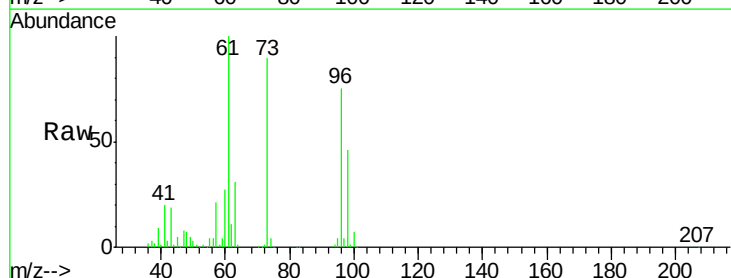
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

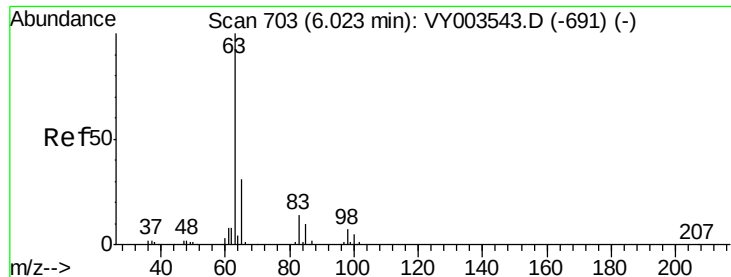
Tgt Ion: 73 Resp: 515689
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 22.9 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 94.928 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 96 Resp: 343910
Ion Ratio Lower Upper
96 100
61 133.4 90.8 168.6
98 61.3 46.8 87.0

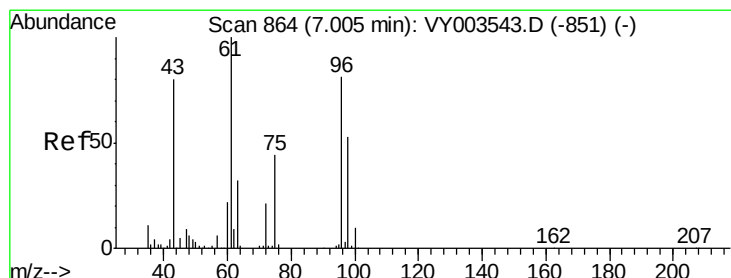
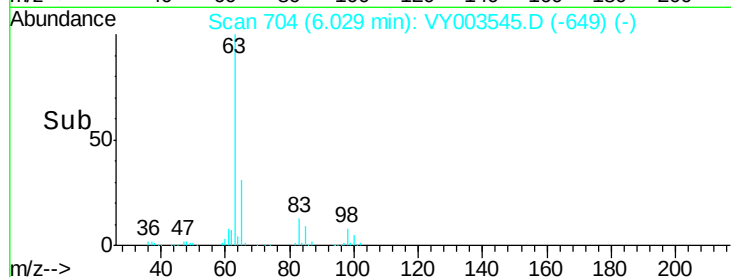
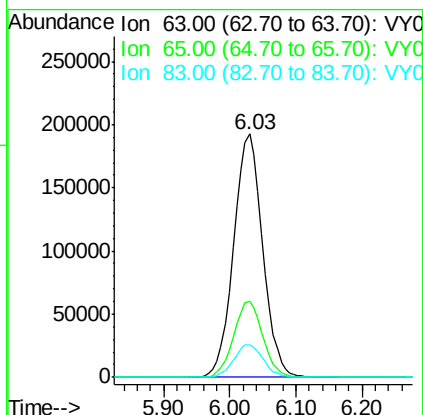
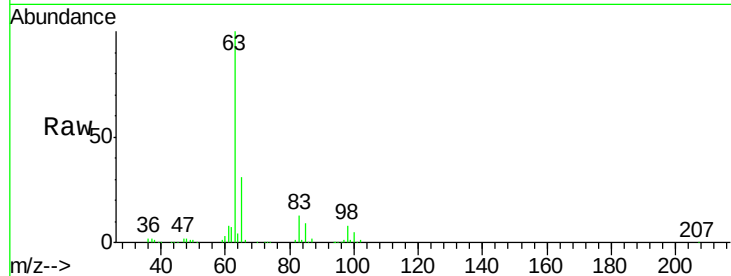




#19
 1,1-Dichloroethane
 Concen: 94.355 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

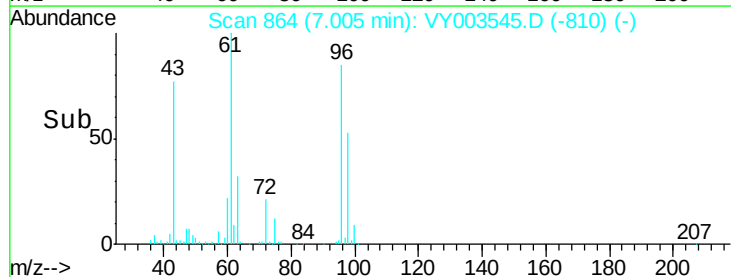
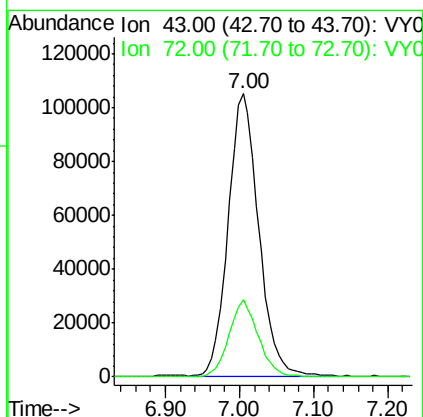
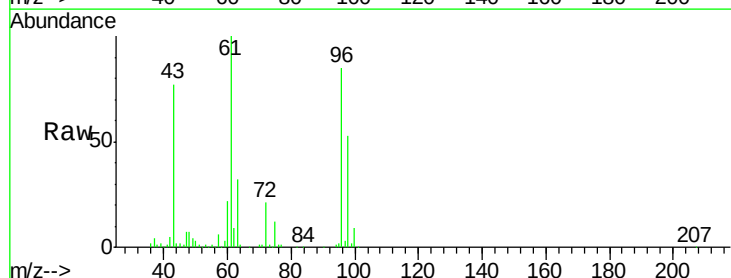
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD10080

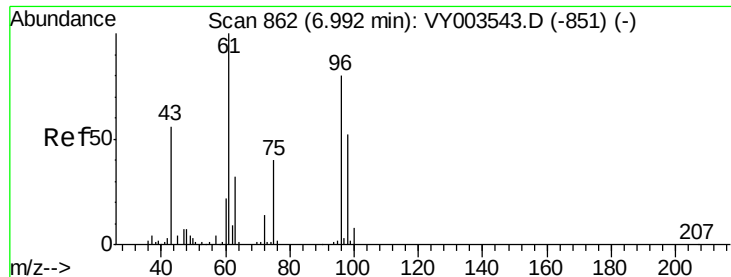
Tgt Ion: 63 Resp: 584441
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 40.8
 83 13.1 9.9 18.5



#21
 2-Butanone
 Concen: 188.452 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

Tgt Ion: 43 Resp: 302989
 Ion Ratio Lower Upper
 43 100
 72 26.0 13.2 39.6



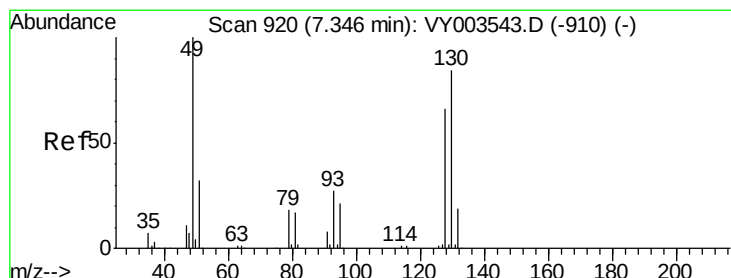
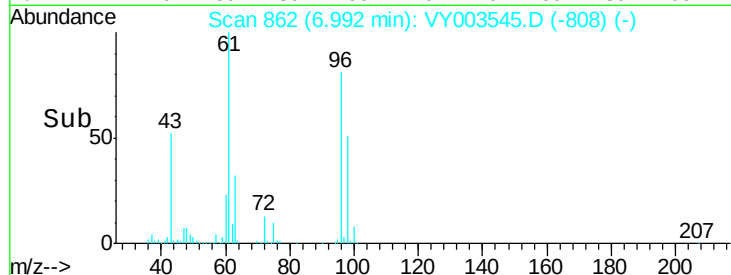
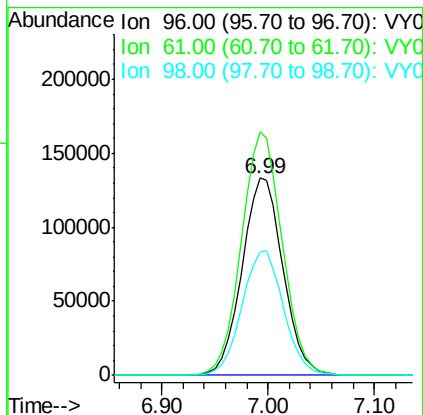
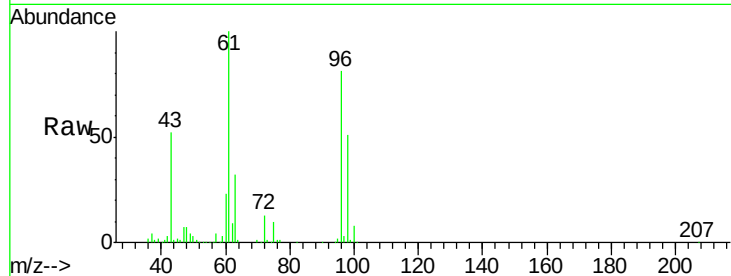


#22

cis-1,2-Dichloroethene
Concen: 94.845 ug/L
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

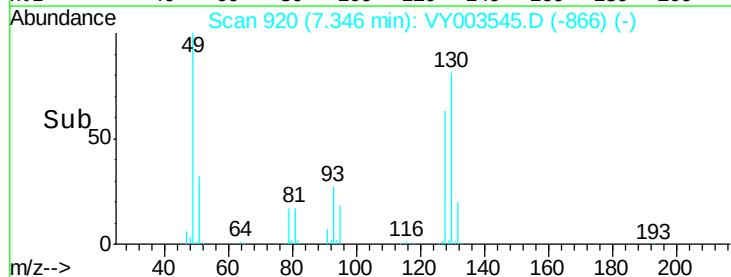
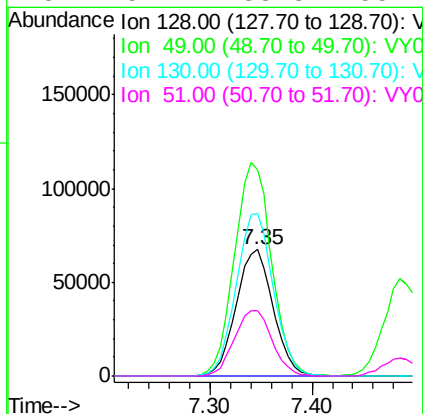
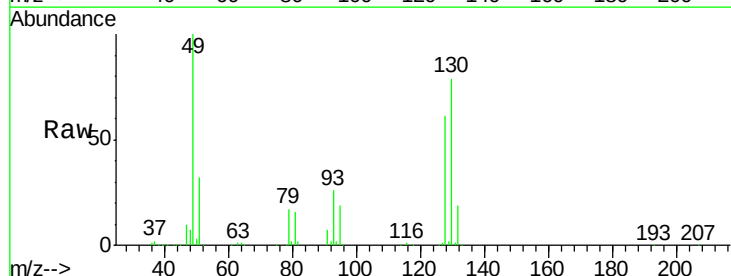
Tgt Ion: 96 Resp: 359396
Ion Ratio Lower Upper
96 100
61 123.5 88.1 163.5
98 62.7 45.6 84.6

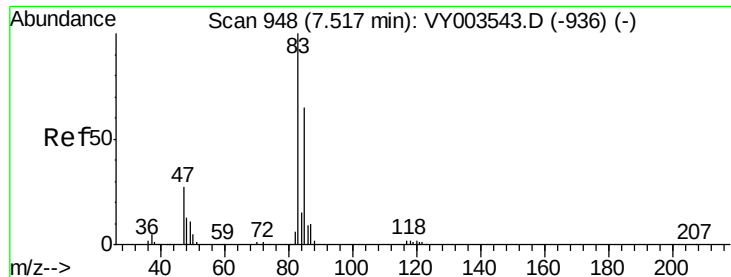


#23

Bromochloromethane
Concen: 93.280 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 128 Resp: 170136
Ion Ratio Lower Upper
128 100
49 163.1 107.3 199.3
130 128.8 89.3 165.9
51 51.7 38.8 58.2





#25

Chloroform

Concen: 94.650 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

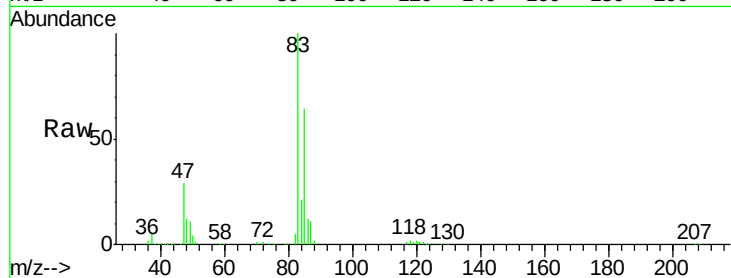
VSTD10080

Tgt Ion: 83 Resp: 574382

Ion Ratio Lower Upper

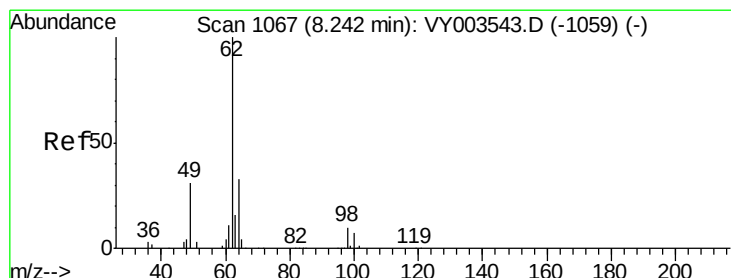
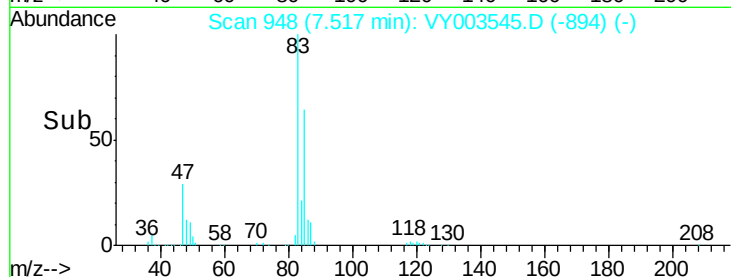
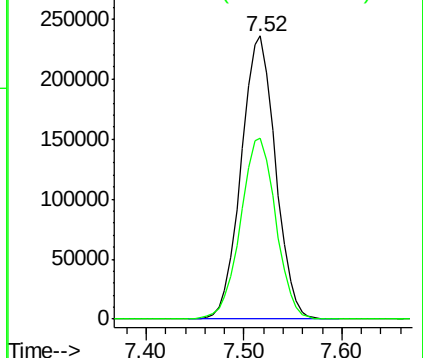
83 100

85 65.8 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 94.146 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003545.D

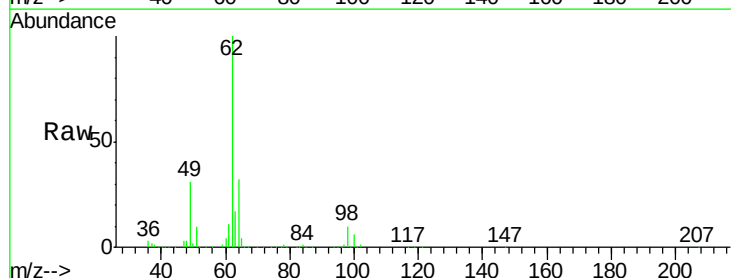
Acq: 19 Nov 2020 12:52

Tgt Ion: 62 Resp: 386357

Ion Ratio Lower Upper

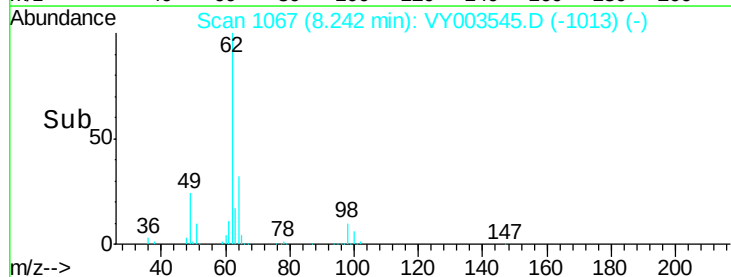
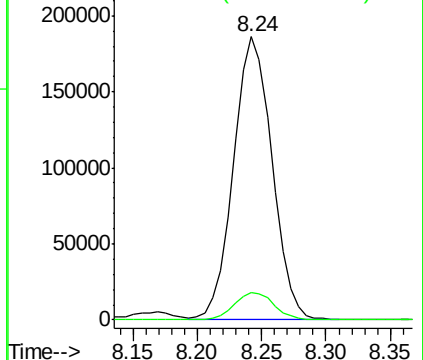
62 100

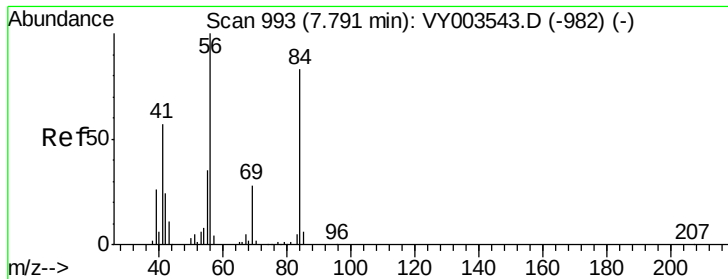
98 9.9 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

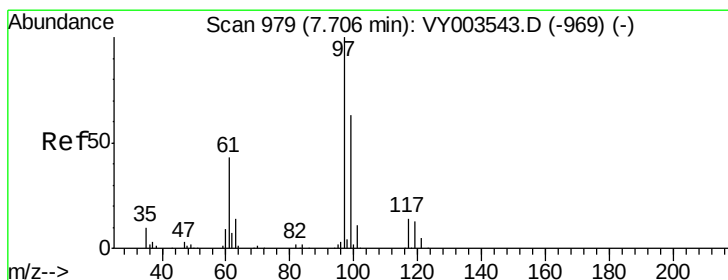
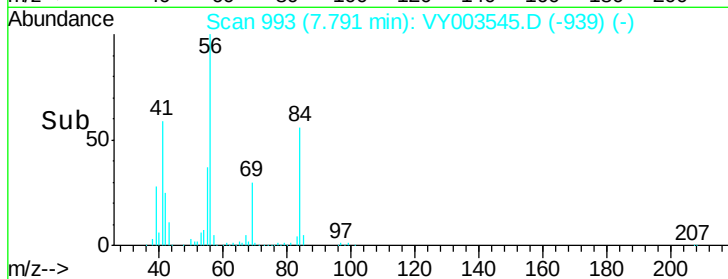
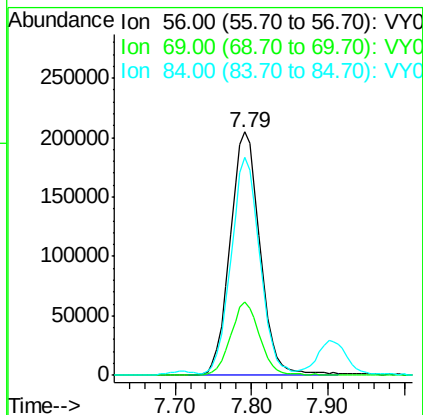
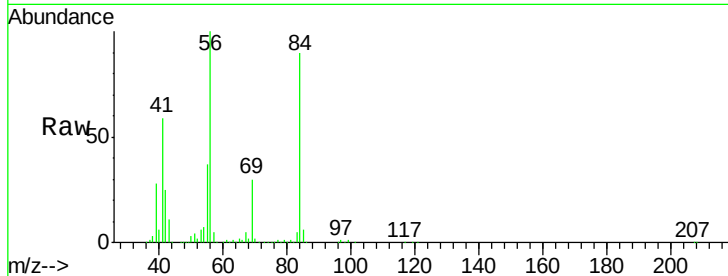




#30
Cyclohexane
Concen: 105.163 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

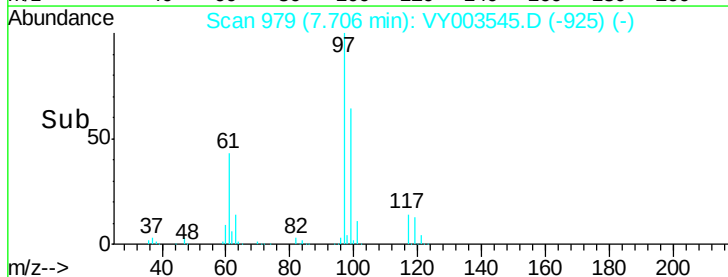
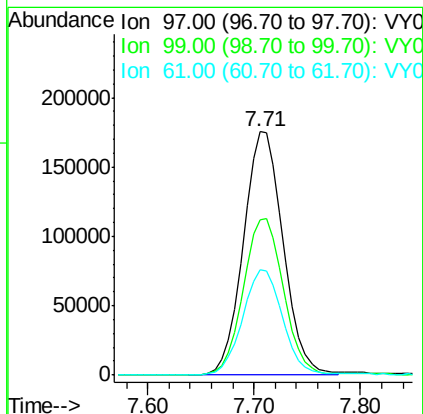
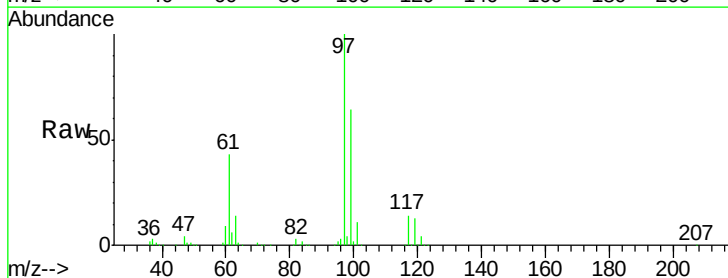
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

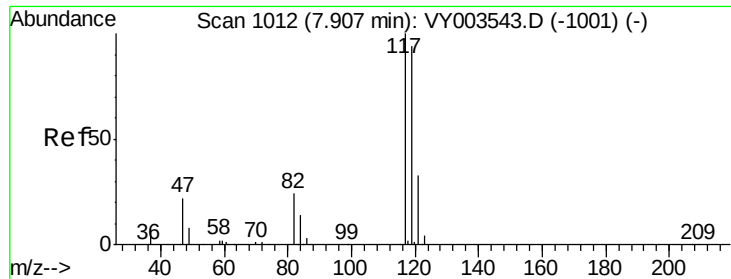
Tgt Ion: 56 Resp: 554802
Ion Ratio Lower Upper
56 100
69 28.9 23.3 34.9
84 85.5 69.9 104.9



#31
1,1,1-Trichloroethane
Concen: 99.385 ug/L
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 97 Resp: 462257
Ion Ratio Lower Upper
97 100
99 64.7 52.1 78.1
61 43.6 34.9 52.3

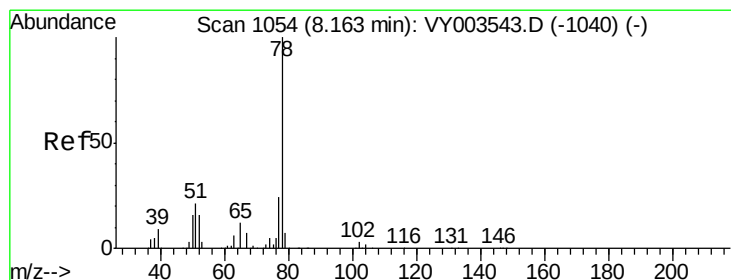
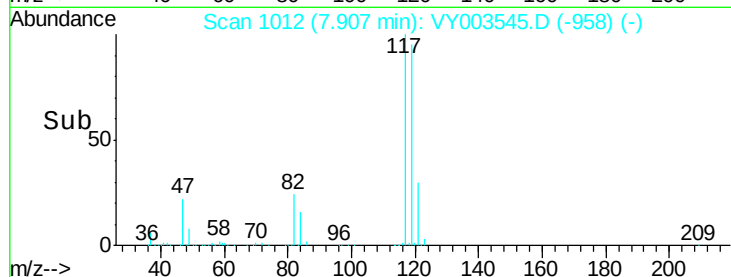
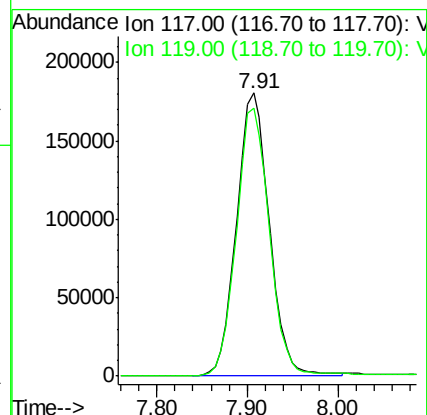
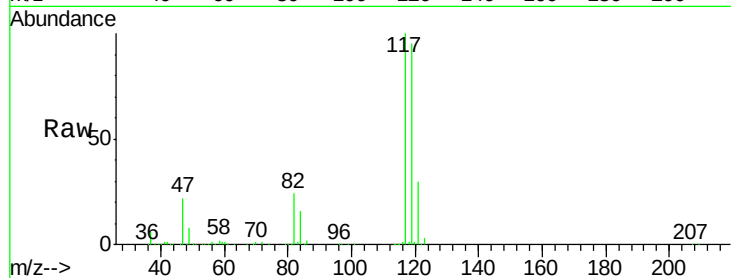




#32
Carbon tetrachloride
Concen: 102.721 ug/L
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

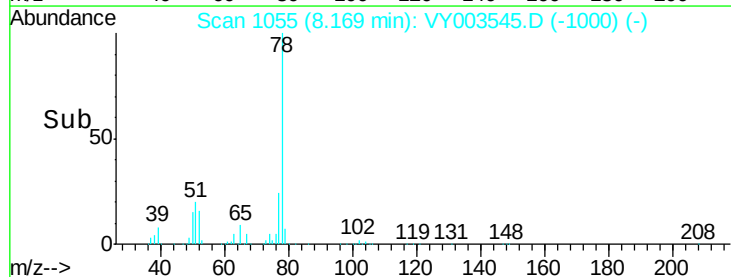
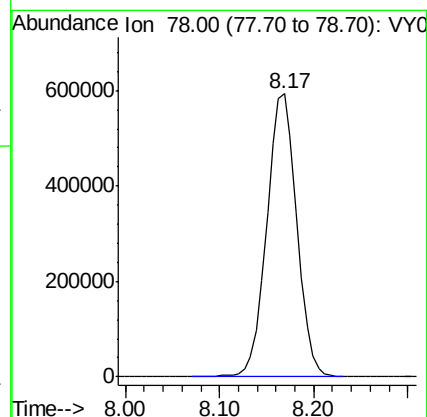
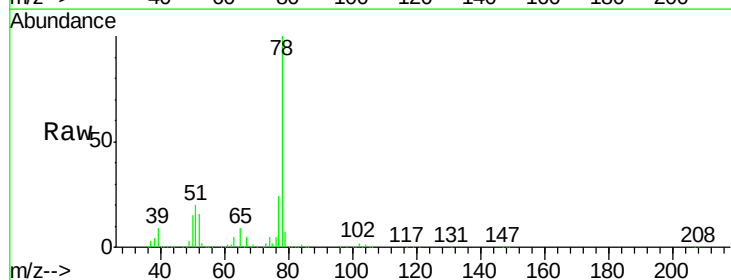
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

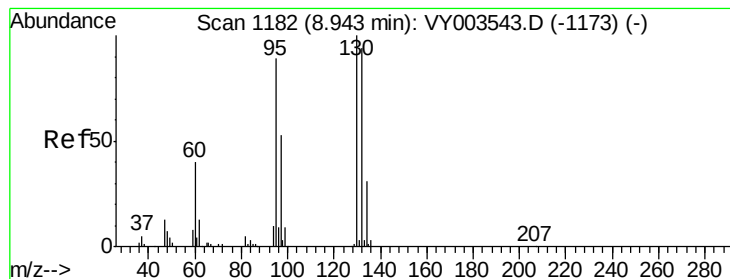
Tgt Ion:117 Resp: 452053
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.4



#34
Benzene
Concen: 93.813 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 78 Resp: 1325007





#35

Trichloroethene

Concen: 95.554 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

Tgt Ion: 95 Resp: 338127

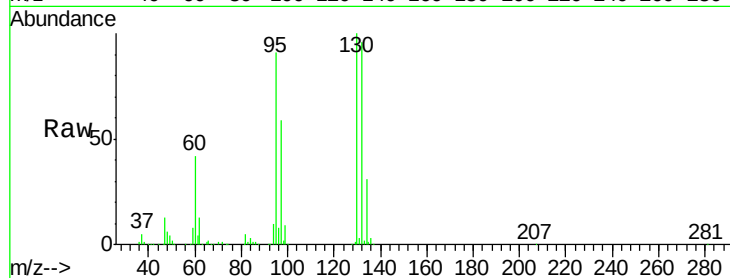
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 103.7 73.1 135.7

130 109.0 76.1 141.3

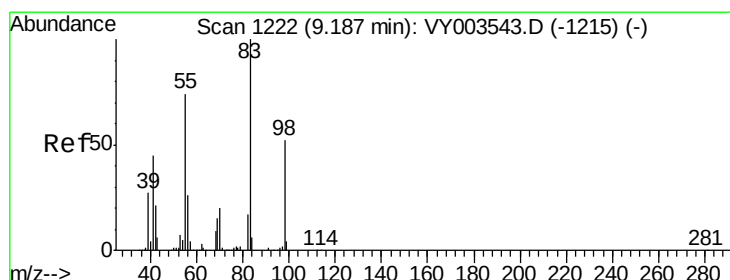
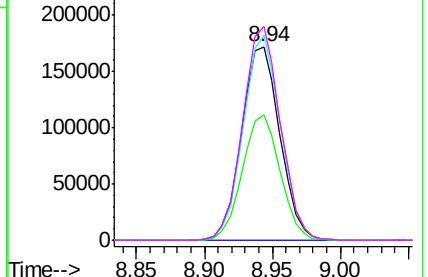
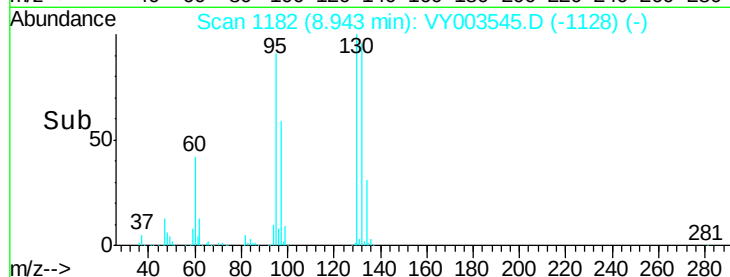


Abundance Ion 95.00 (94.70 to 95.70): VY003545.D (-1128) (-)

Ion 97.00 (96.70 to 97.70): VY003545.D (-1128) (-)

Ion 132.00 (131.70 to 132.70): VY003545.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VY003545.D (-1128) (-)



#36

Methylcyclohexane

Concen: 104.767 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

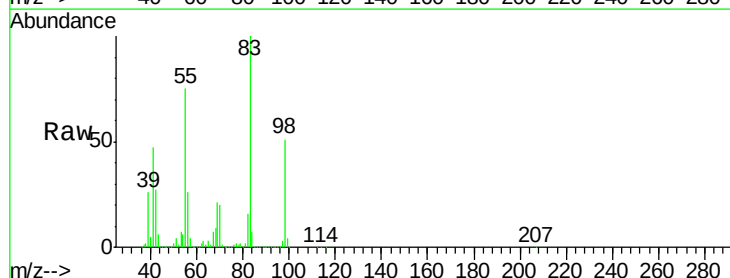
Tgt Ion: 83 Resp: 573915

Ion Ratio Lower Upper

83 100

55 74.8 60.8 91.2

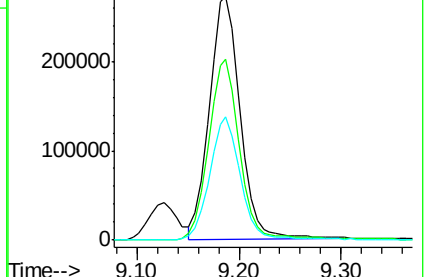
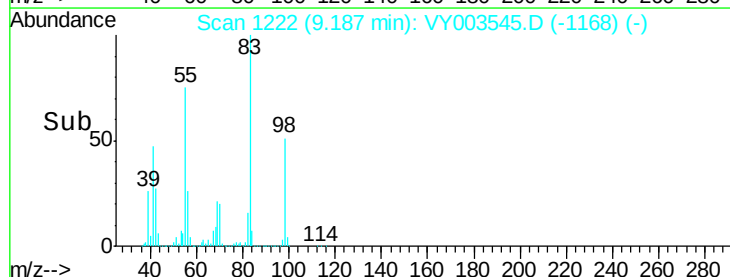
98 49.7 40.6 61.0

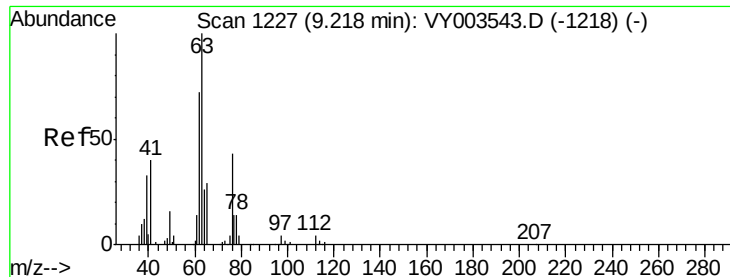


Abundance Ion 83.00 (82.70 to 83.70): VY003545.D (-1168) (-)

Ion 55.00 (54.70 to 55.70): VY003545.D (-1168) (-)

Ion 98.00 (97.70 to 98.70): VY003545.D (-1168) (-)





#40

1,2-Dichloropropane

Concen: 94.024 ug/L

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

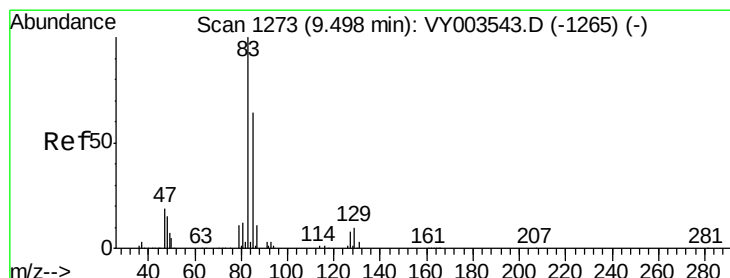
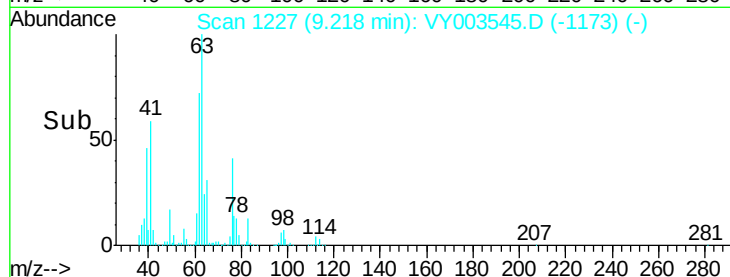
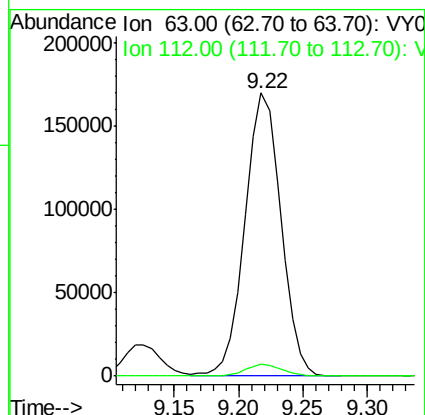
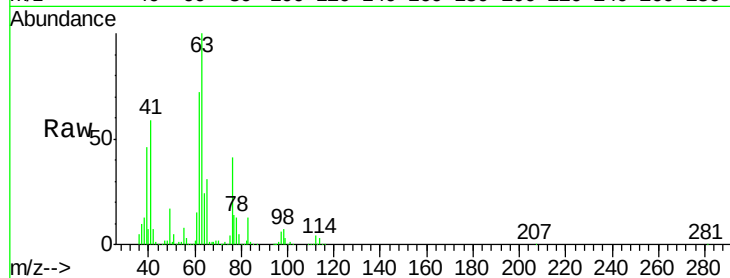
VSTD10080

Tgt Ion: 63 Resp: 329093

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#41

Bromodichloromethane

Concen: 96.453 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

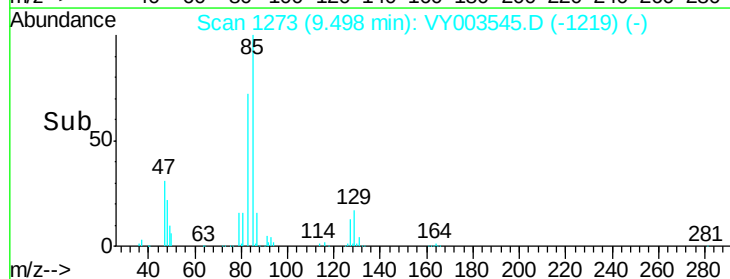
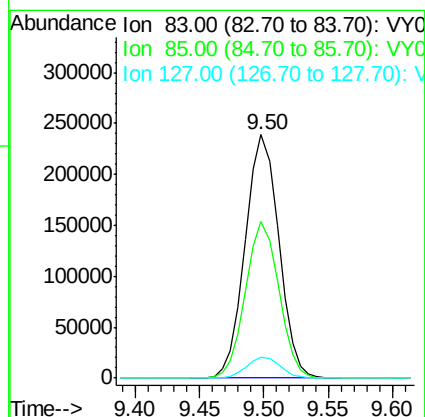
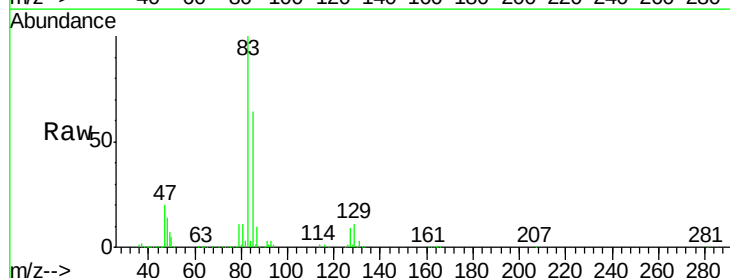
Tgt Ion: 83 Resp: 432496

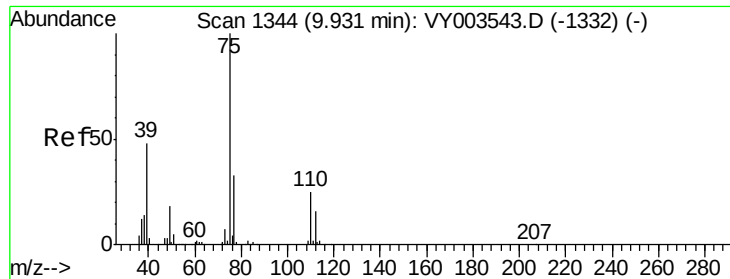
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

127 8.6 6.8 10.2



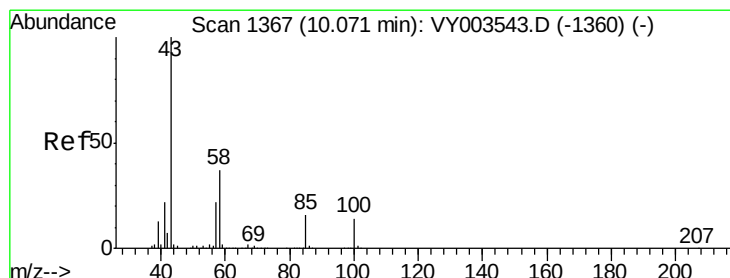
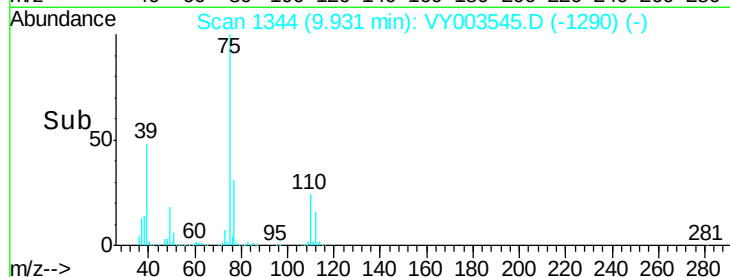
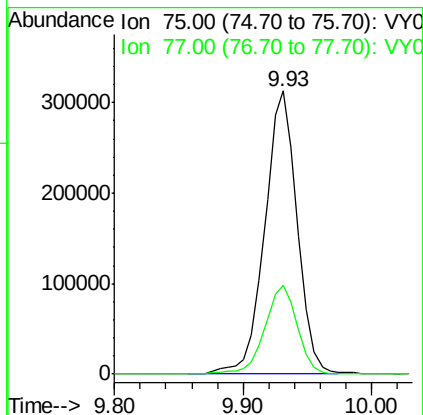
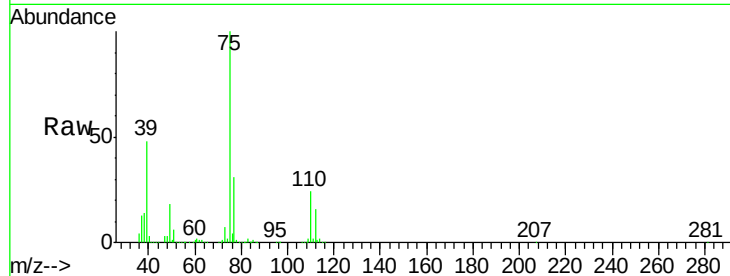


#42

cis-1,3-Dichloropropene
 Concen: 99.319 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10080

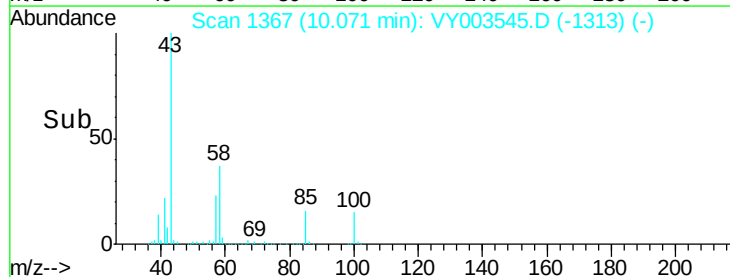
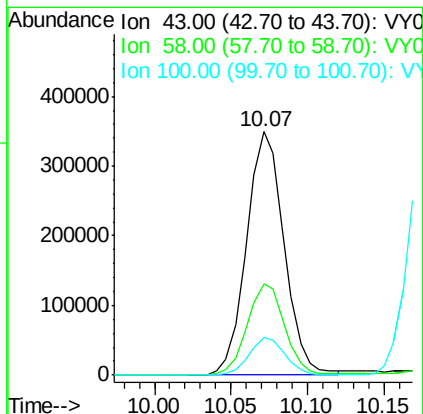
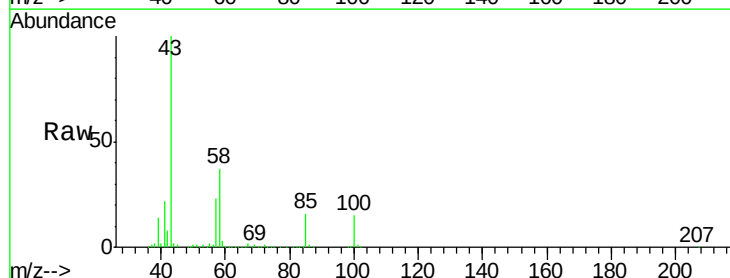
Tgt Ion: 75 Resp: 546536
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.2 43.0

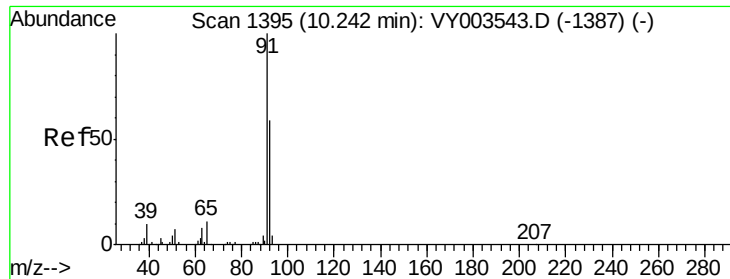


#43

4-Methyl-2-pentanone
 Concen: 200.488 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

Tgt Ion: 43 Resp: 596170
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.2 45.2
 100 15.1 11.7 17.5





#44

Toluene

Concen: 97.032 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

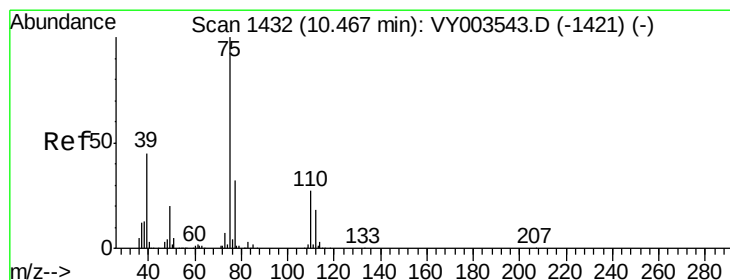
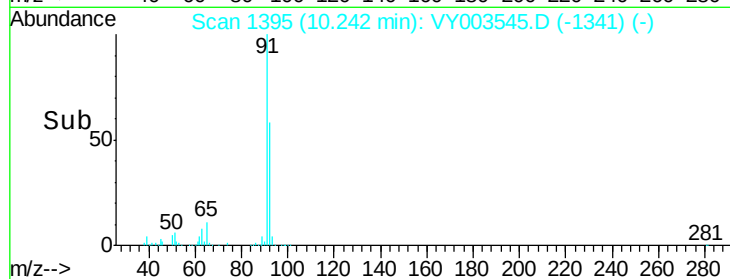
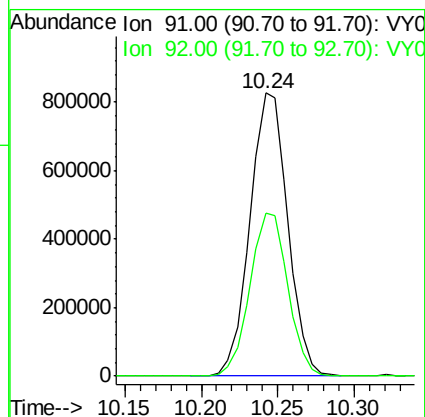
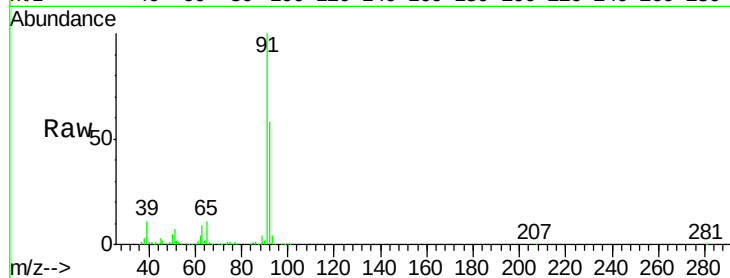
VSTD10080

Tgt Ion: 91 Resp: 1422370

Ion Ratio Lower Upper

91 100

92 57.8 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 99.592 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003545.D

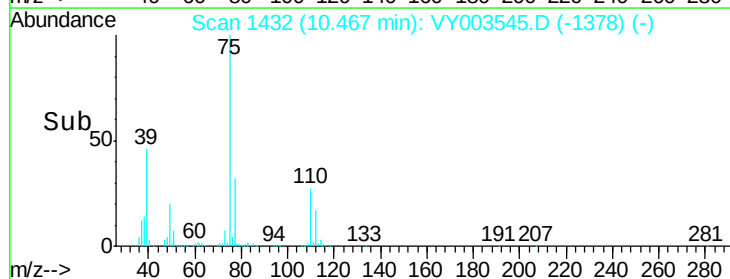
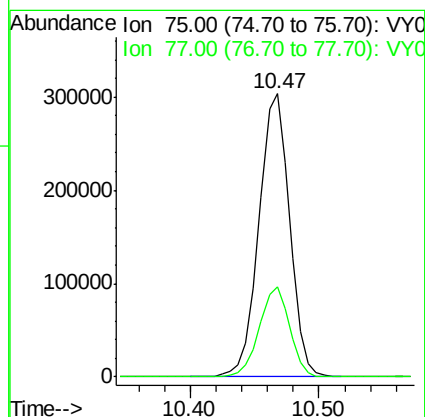
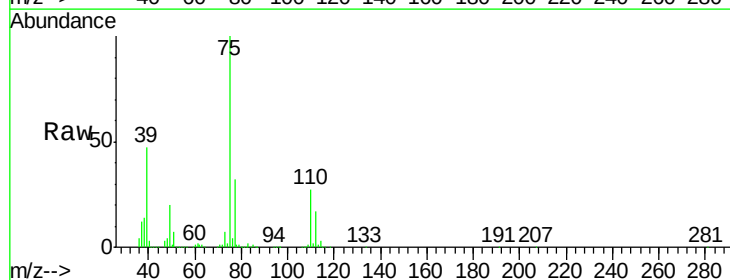
Acq: 19 Nov 2020 12:52

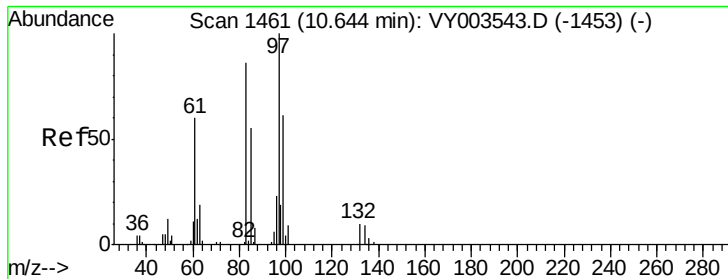
Tgt Ion: 75 Resp: 499888

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 94.970 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

Tgt Ion: 97 Resp: 266880

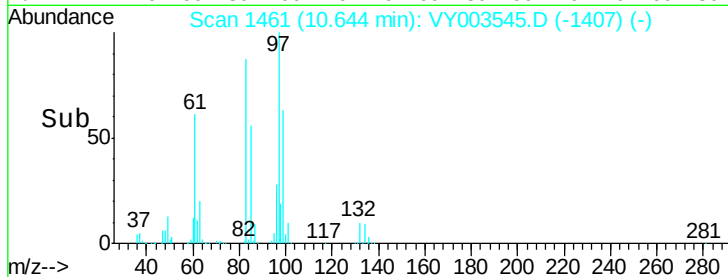
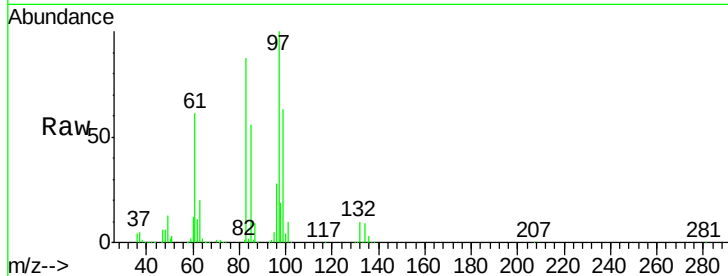
Ion Ratio Lower Upper

97 100

83 86.5 60.1 111.5

85 56.2 38.9 72.2

99 62.7 43.0 80.0

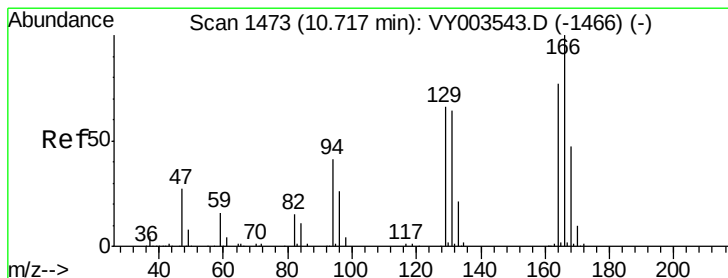
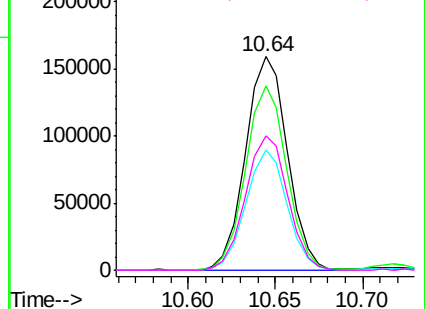


Abundance Ion 97.00 (96.70 to 97.70): VY003545.D (-1407) (-)

Ion 83.00 (82.70 to 83.70): VY003545.D (-1407) (-)

Ion 85.00 (84.70 to 85.70): VY003545.D (-1407) (-)

Ion 99.00 (98.70 to 99.70): VY003545.D (-1407) (-)



#47

Tetrachloroethene

Concen: 94.299 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Tgt Ion: 164 Resp: 294218

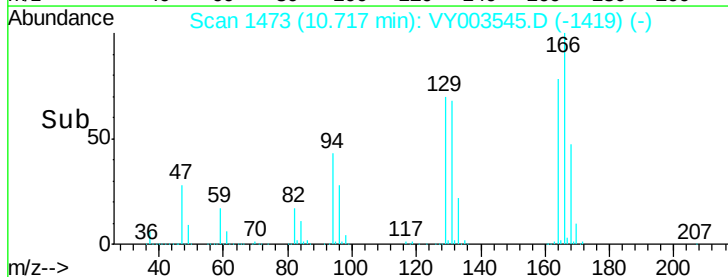
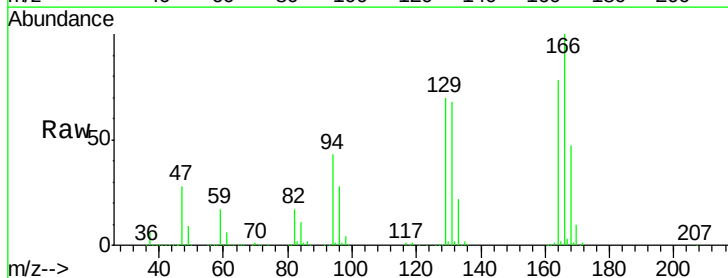
Ion Ratio Lower Upper

164 100

129 89.2 60.6 112.6

131 87.3 58.7 109.1

166 128.2 91.2 169.4

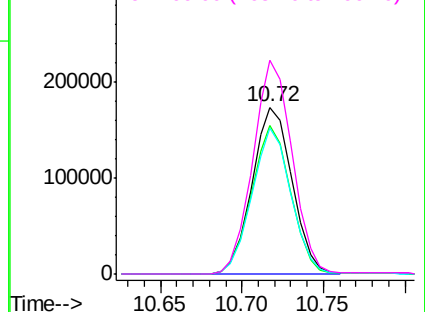


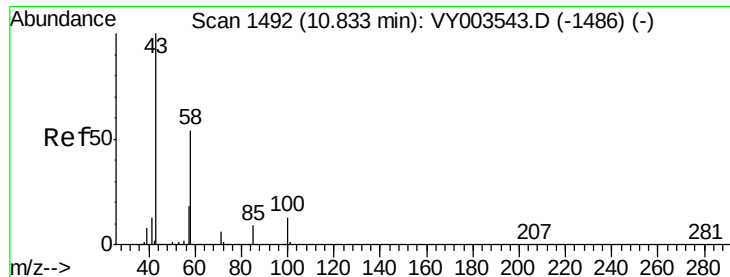
Abundance Ion 164.00 (163.70 to 164.70): VY003545.D (-1419) (-)

Ion 129.00 (128.70 to 129.70): VY003545.D (-1419) (-)

Ion 131.00 (130.70 to 131.70): VY003545.D (-1419) (-)

Ion 166.00 (165.70 to 166.70): VY003545.D (-1419) (-)

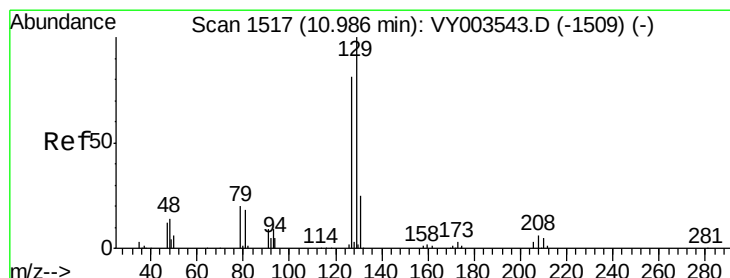
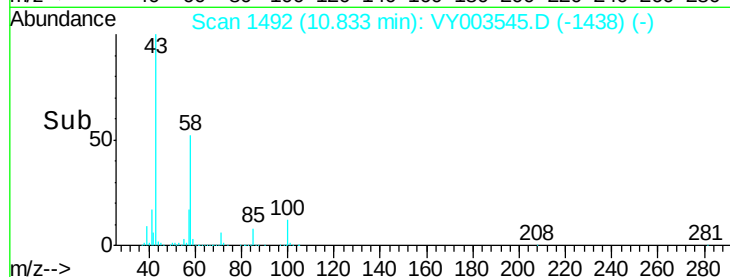
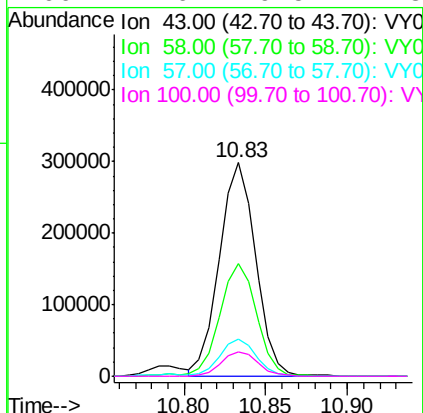
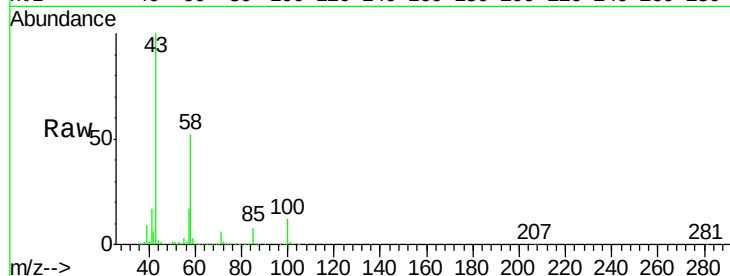




#49
2-Hexanone
Concen: 209.259 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

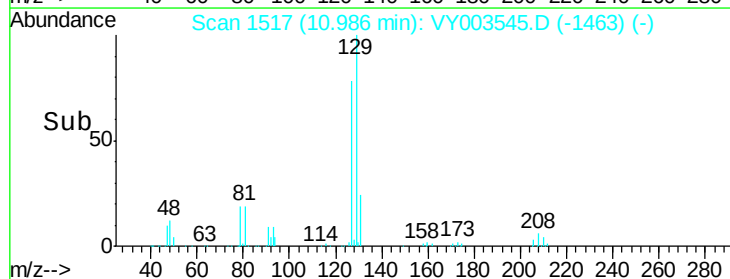
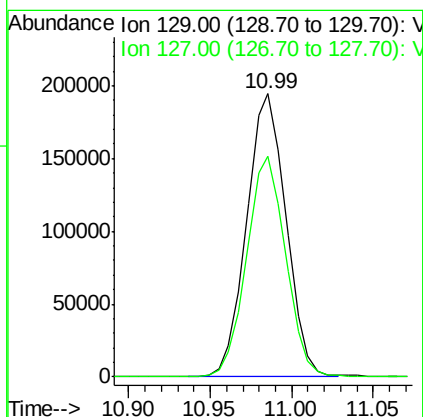
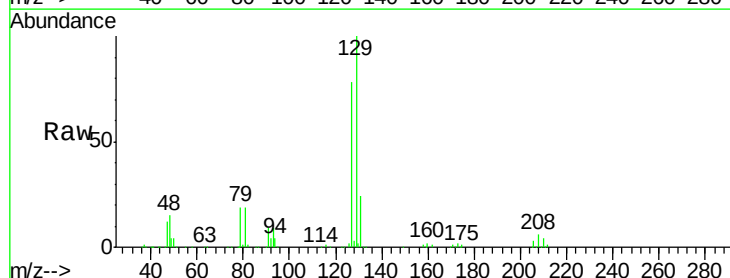
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

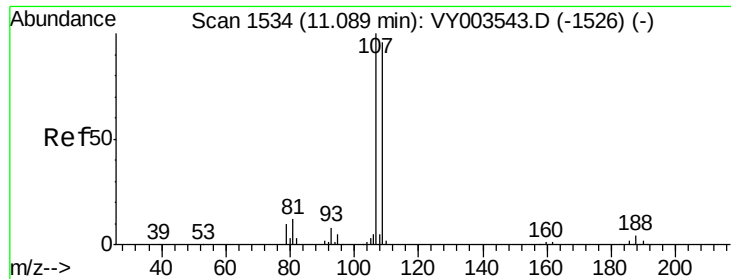
Tgt Ion: 43 Resp: 460963
Ion Ratio Lower Upper
43 100
58 52.8 42.1 63.1
57 17.2 14.2 21.2
100 11.6 9.5 14.3



#50
Dibromochloromethane
Concen: 99.133 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion: 129 Resp: 327954
Ion Ratio Lower Upper
129 100
127 78.2 56.6 105.0





#51

1,2-Dibromoethane

Concen: 96.639 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

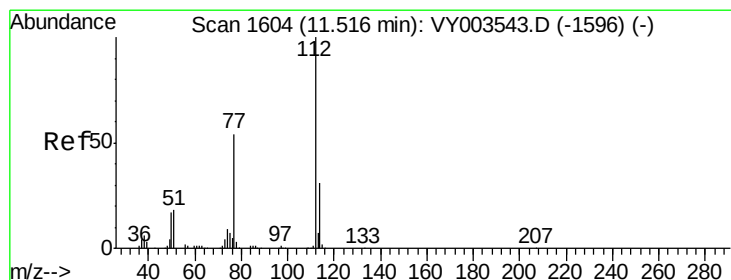
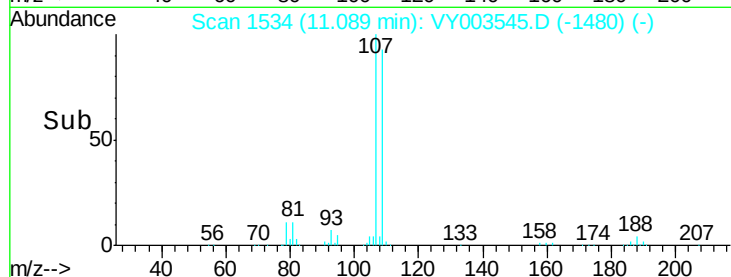
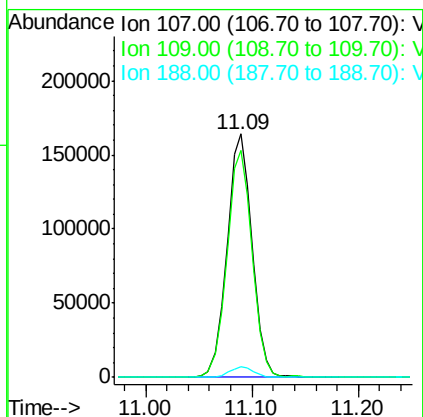
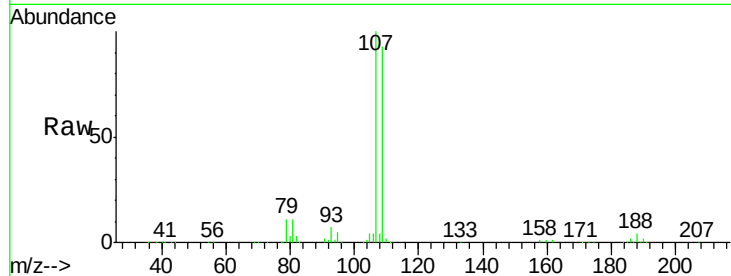
Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

Tgt Ion:	107	Resp:	269637
Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.8	124.2
188	4.4	3.3	4.9



#52

Chlorobenzene

Concen: 94.679 ug/L

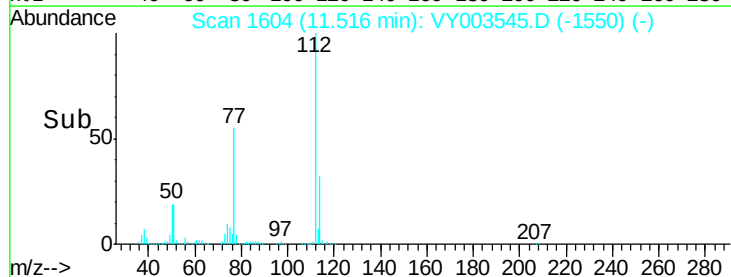
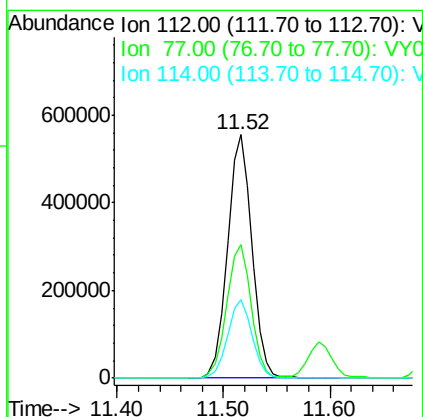
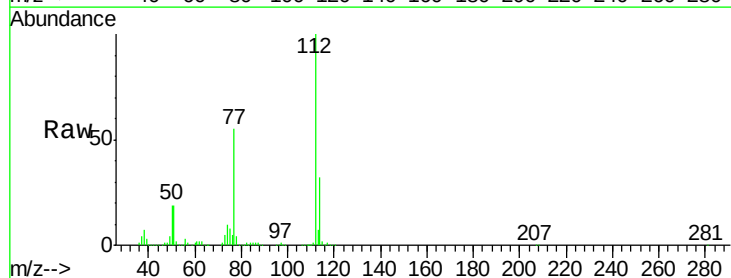
RT: 11.52 min Scan# 1604

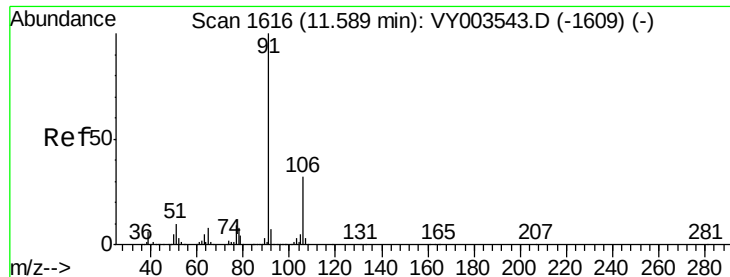
Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Tgt Ion:	112	Resp:	890499
Ion	Ratio	Lower	Upper
112	100		
77	54.9	43.3	64.9
114	32.0	21.9	40.7





#53

Ethylbenzene

Concen: 101.016 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

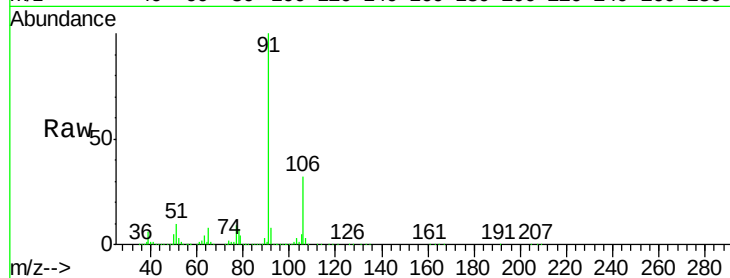
VSTD10080

Tgt Ion: 91 Resp: 1504407

Ion Ratio Lower Upper

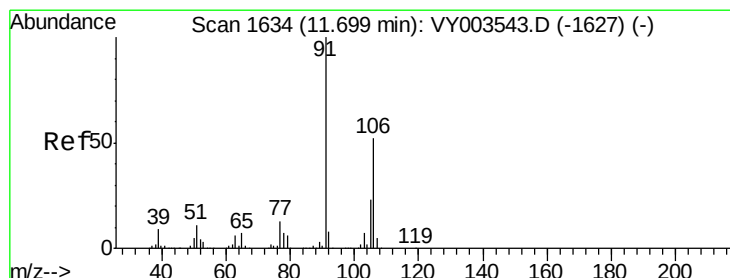
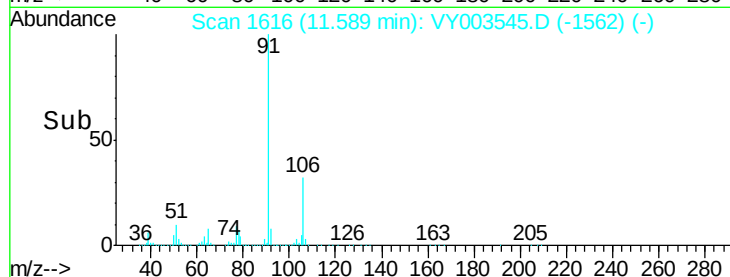
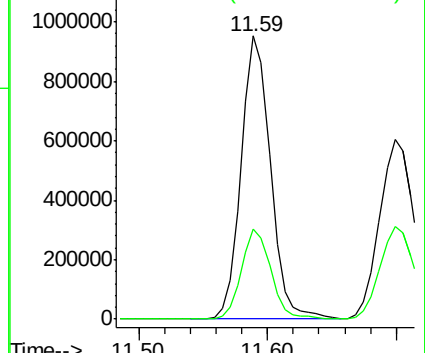
91 100

106 31.8 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 99.900 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003545.D

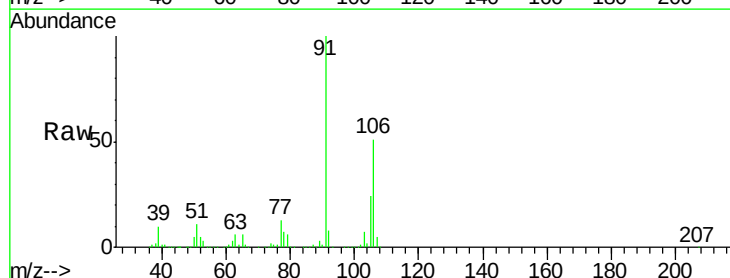
Acq: 19 Nov 2020 12:52

Tgt Ion: 106 Resp: 579905

Ion Ratio Lower Upper

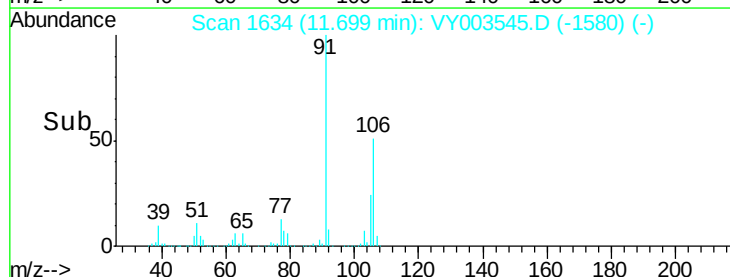
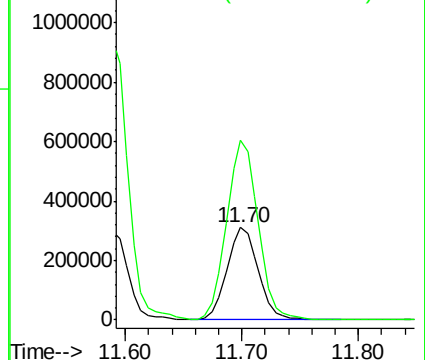
106 100

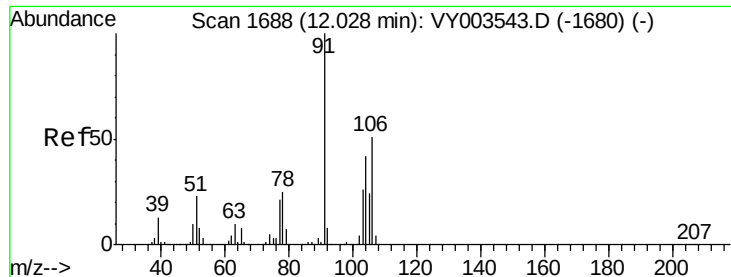
91 194.4 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

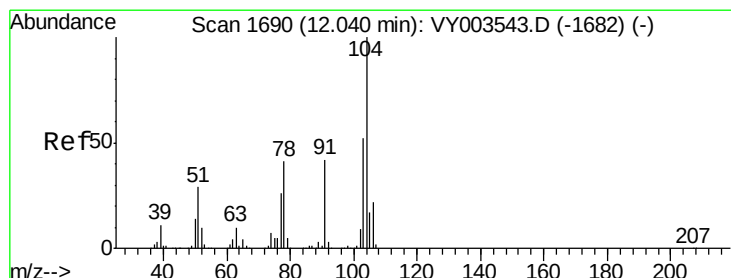
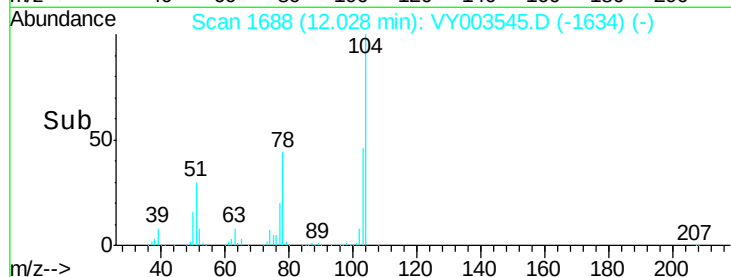
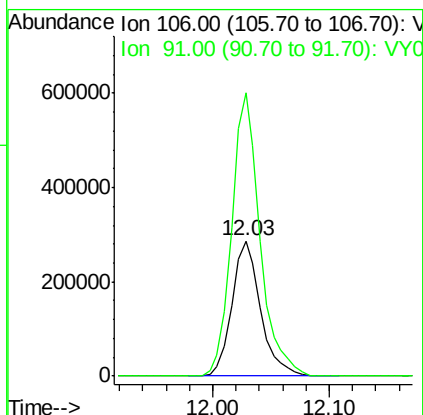
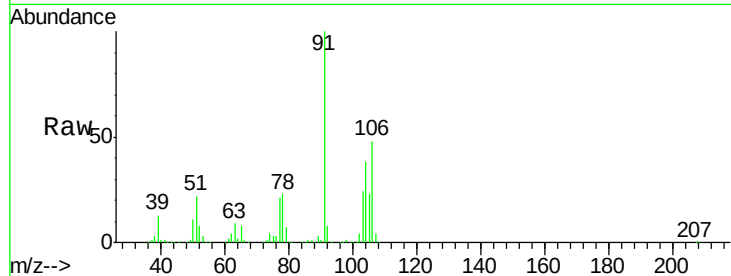




#55
o-xylene
Concen: 100.314 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

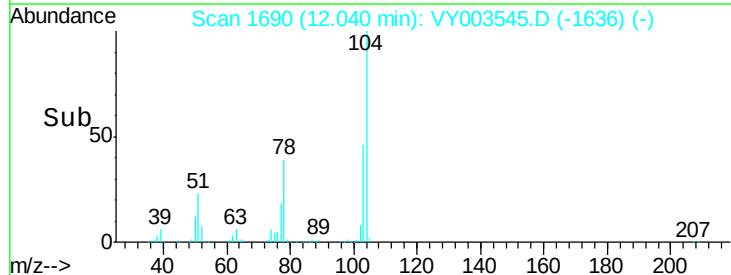
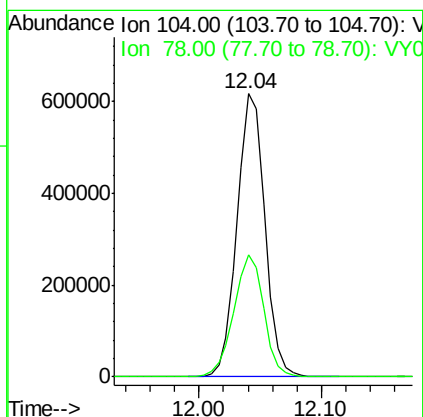
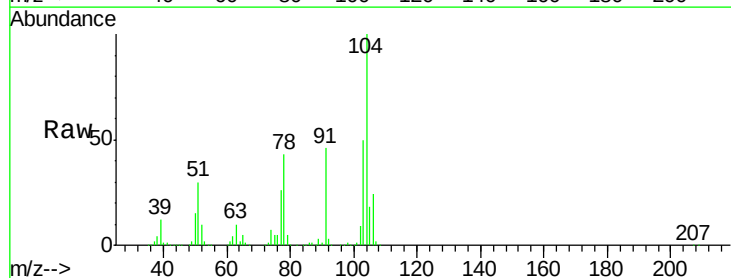
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10080

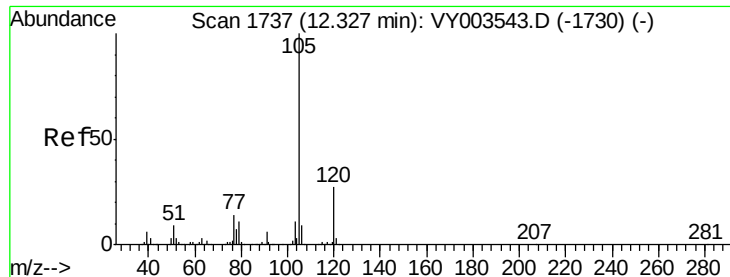
Tgt Ion:106 Resp: 489699
Ion Ratio Lower Upper
106 100
91 209.2 138.3 256.8



#56
Styrene
Concen: 102.504 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003545.D
Acq: 19 Nov 2020 12:52

Tgt Ion:104 Resp: 971618
Ion Ratio Lower Upper
104 100
78 43.2 28.8 53.6





#57

Isopropylbenzene

Concen: 100.580 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

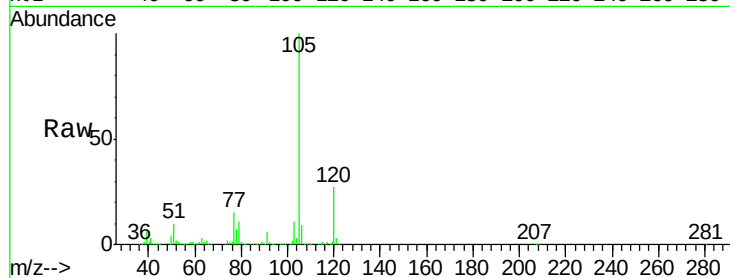
Tgt Ion:105 Resp: 1082142

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

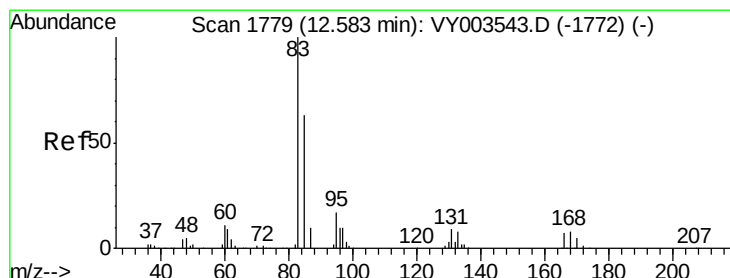
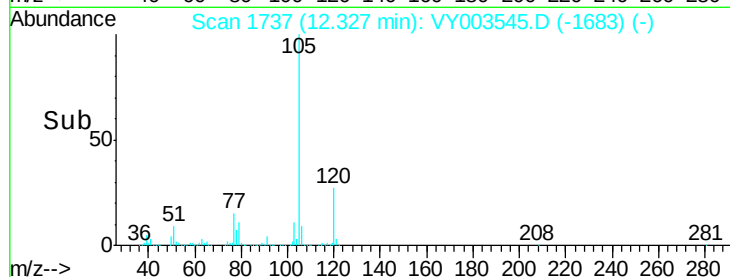
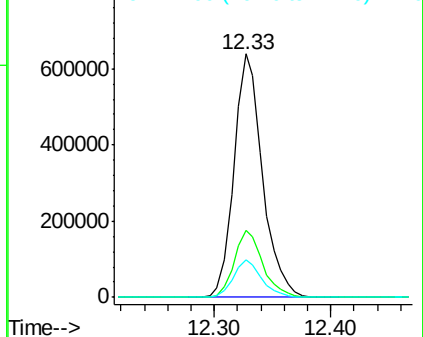
77 15.2 12.1 18.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 100.402 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

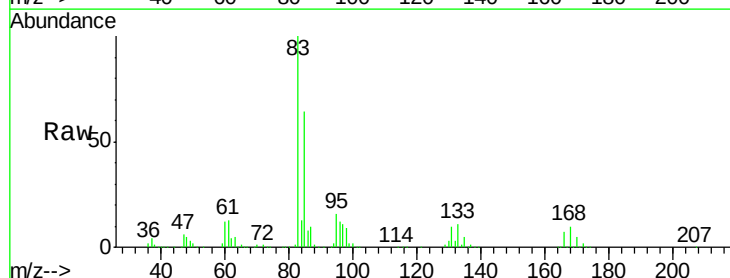
Tgt Ion: 83 Resp: 315006

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

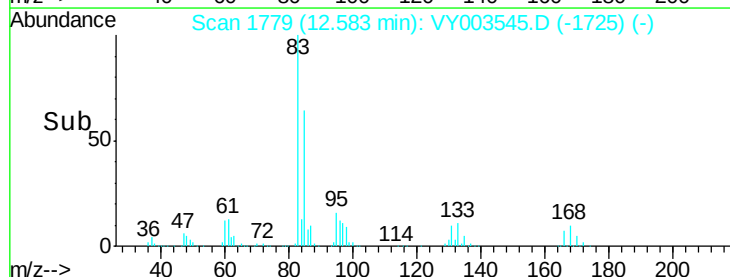
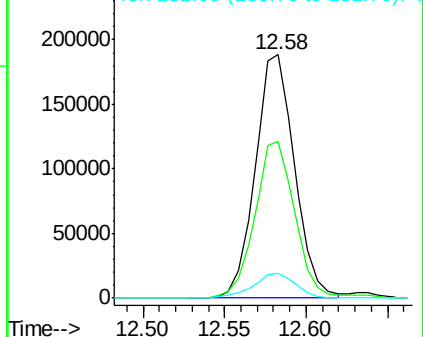
131 10.3 7.3 10.9

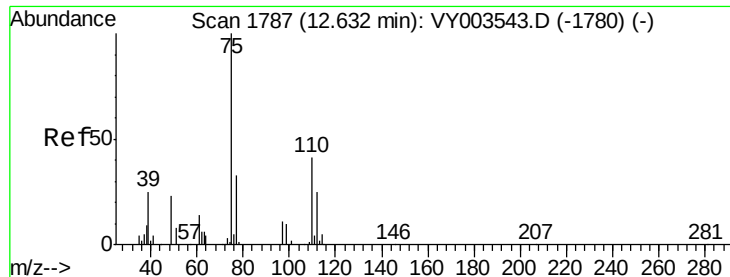


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 98.815 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

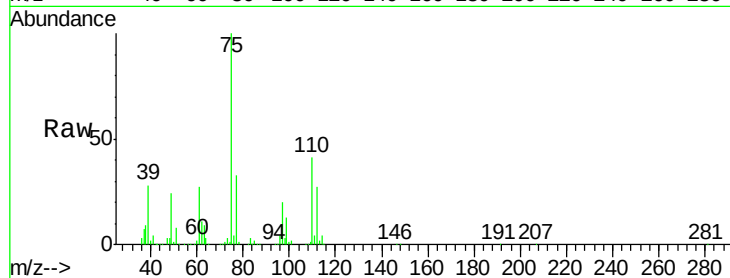
VSTD10080

Tgt Ion: 75 Resp: 241548

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY003543.D (-1780) (-)

Ion 77.00 (76.70 to 77.70): VY003543.D (-1780) (-)

12.63

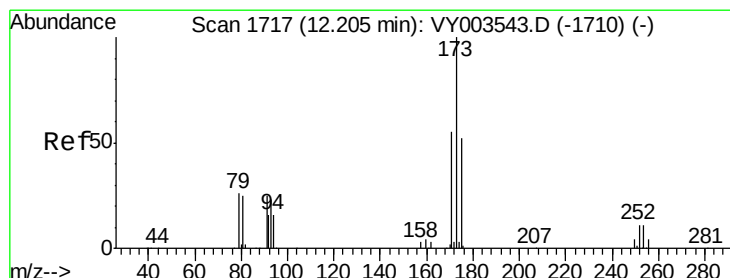
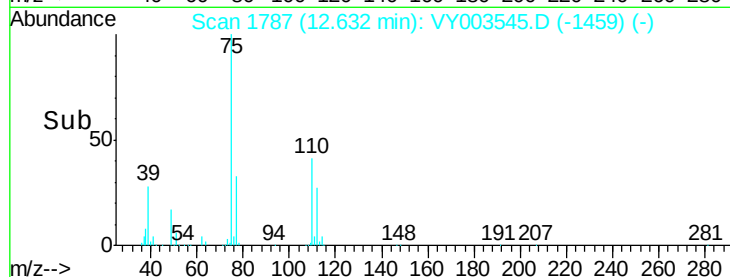
150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#62

Bromoform

Concen: 97.791 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

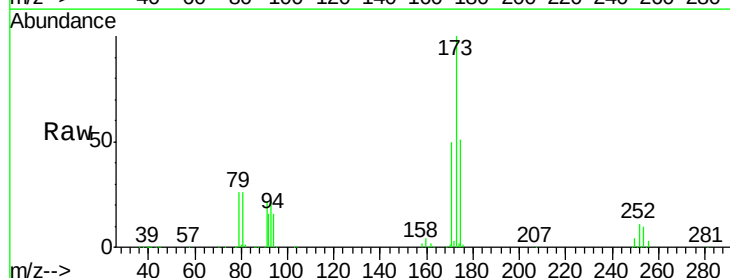
Tgt Ion: 173 Resp: 223628

Ion Ratio Lower Upper

173 100

175 49.5 39.5 59.3

254 10.3 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): VY003543.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY003543.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY003543.D (-1710) (-)

12.20

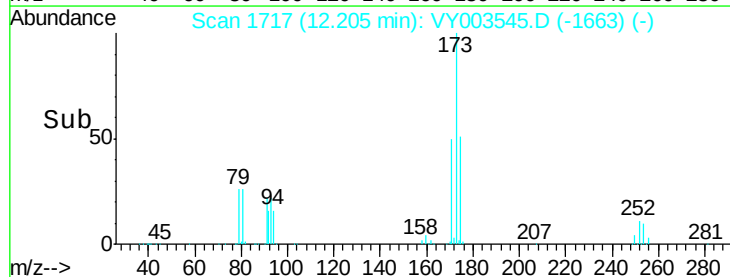
150000

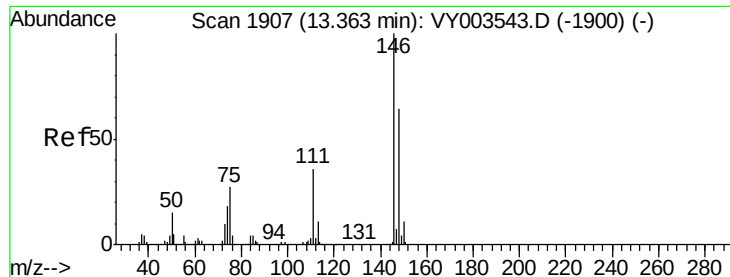
100000

50000

0

Time--> 12.20 12.30





#63

1,3-Dichlorobenzene

Concen: 93.905 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

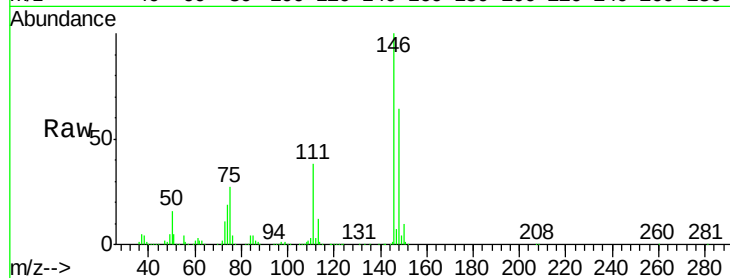
Tgt Ion:146 Resp: 657993

Ion Ratio Lower Upper

146 100

111 37.8 25.1 46.5

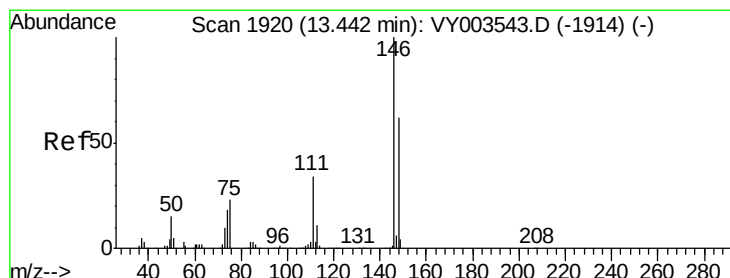
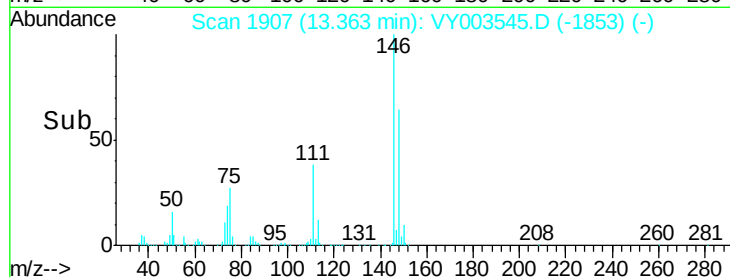
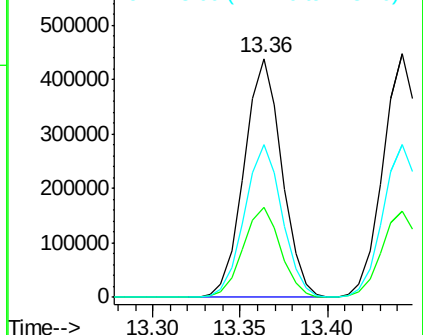
148 63.8 44.7 82.9



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: 92.716 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

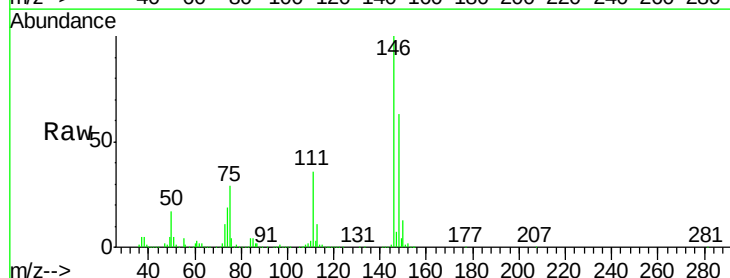
Tgt Ion:146 Resp: 668515

Ion Ratio Lower Upper

146 100

111 35.6 24.1 44.8

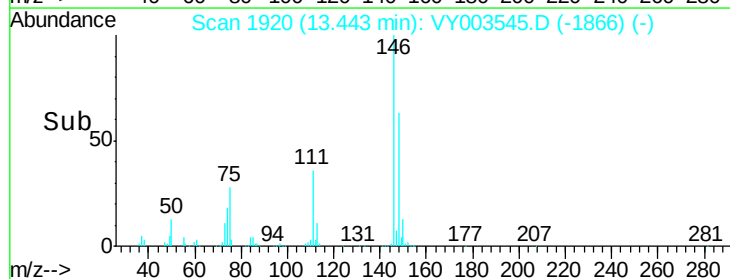
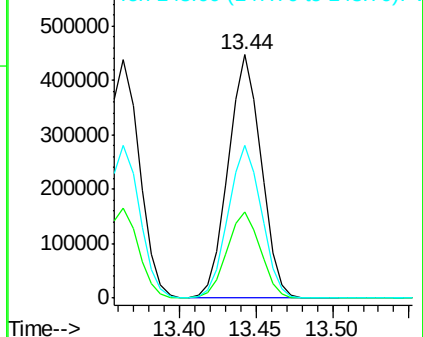
148 62.6 43.6 81.0

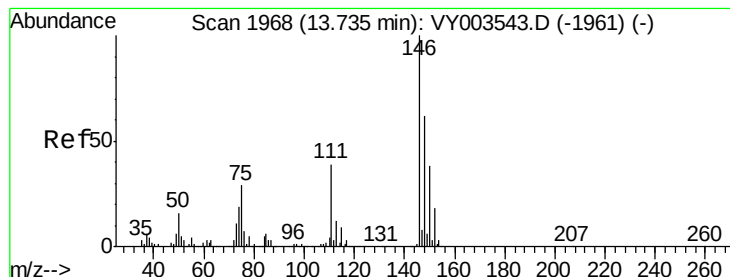


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 95.386 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

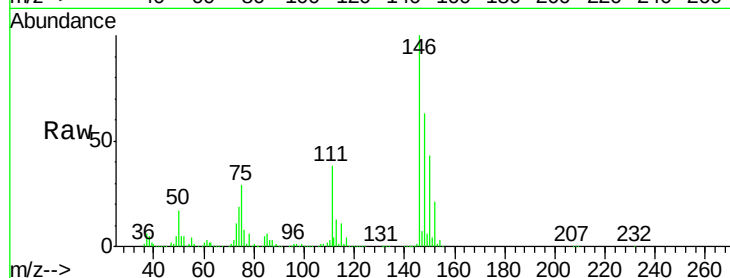
Tgt Ion:146 Resp: 548971

Ion Ratio Lower Upper

146 100

111 38.2 31.0 46.6

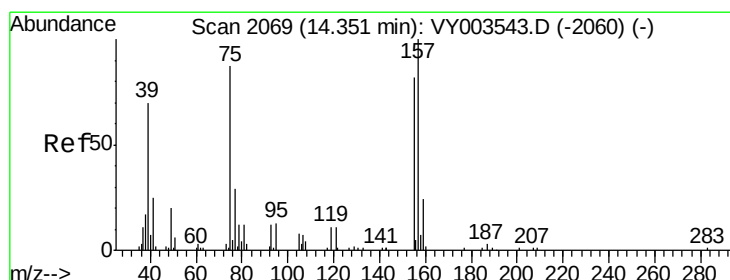
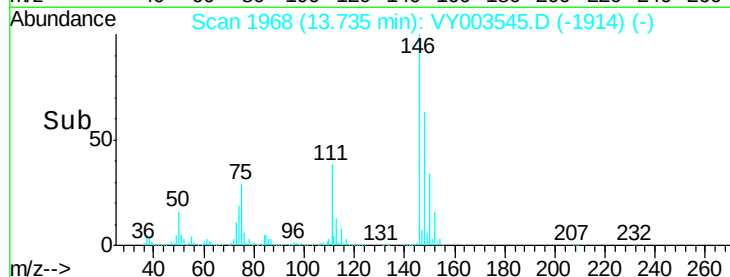
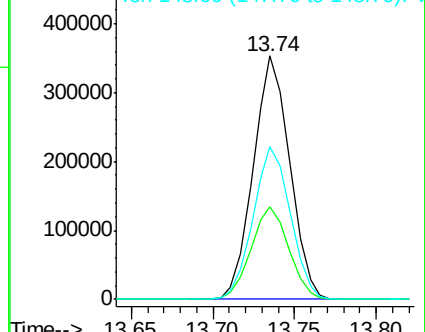
148 63.0 49.8 74.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 100.804 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

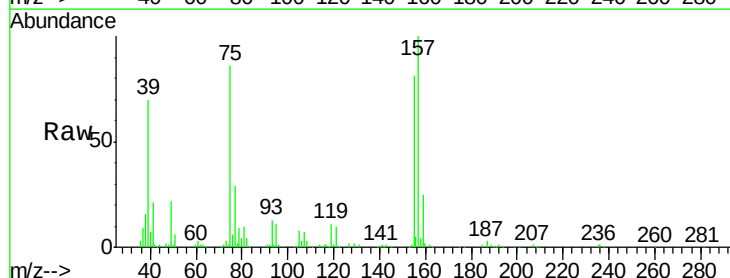
Tgt Ion: 75 Resp: 45545

Ion Ratio Lower Upper

75 100

157 116.7 91.8 137.6

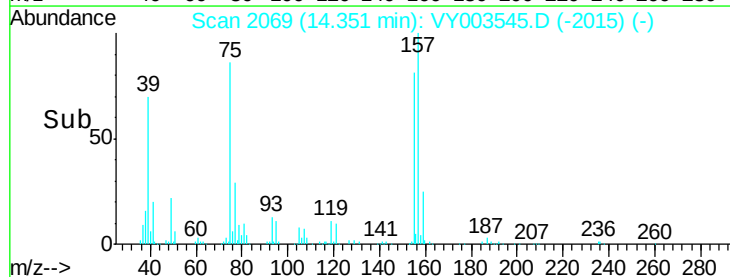
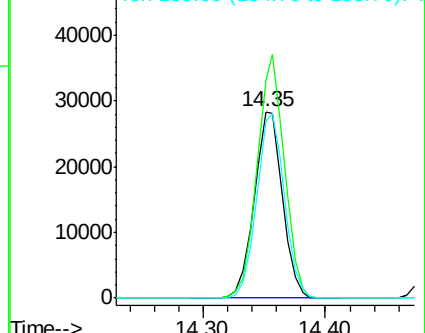
155 95.0 75.7 113.5

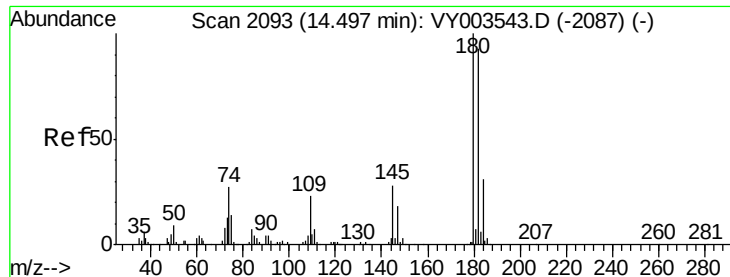


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

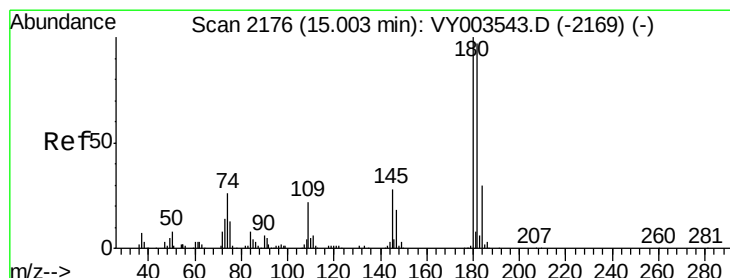
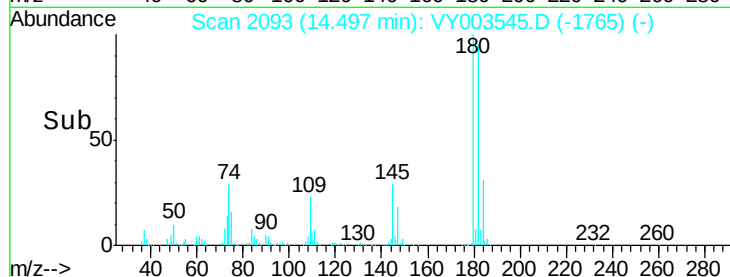
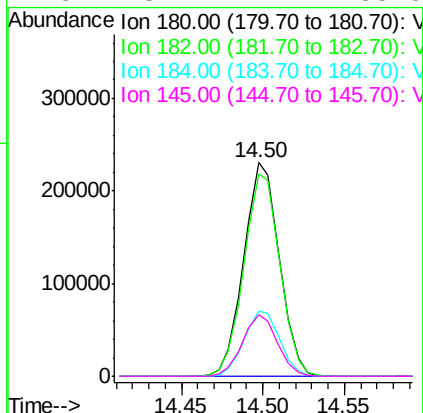
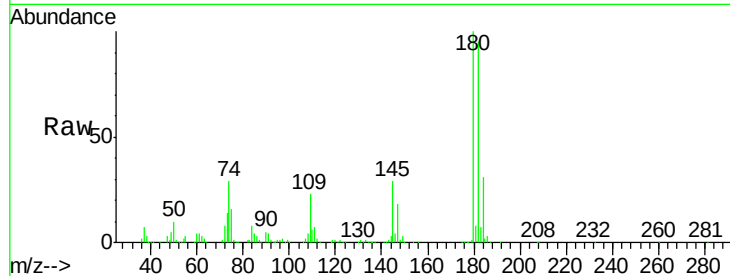




#67
 1,3,5-Trichlorobenzene
 Concen: 95.743 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

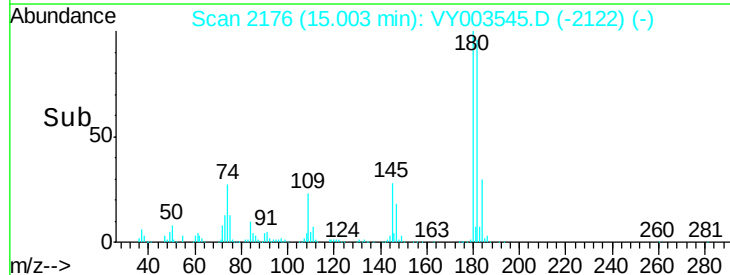
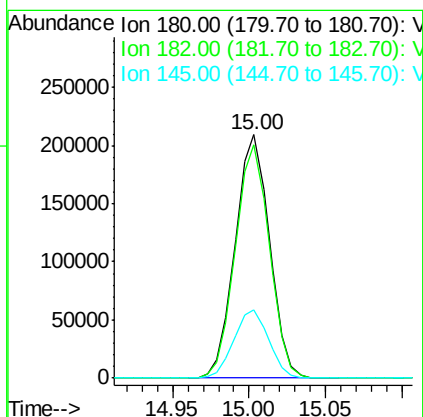
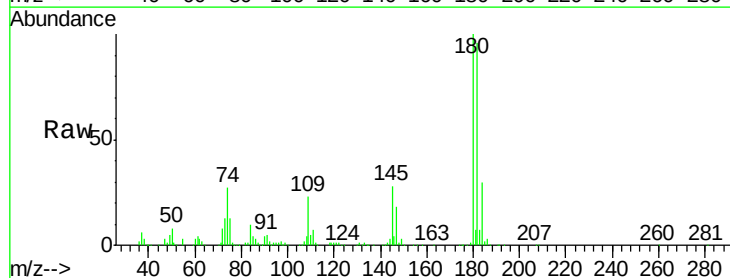
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10080

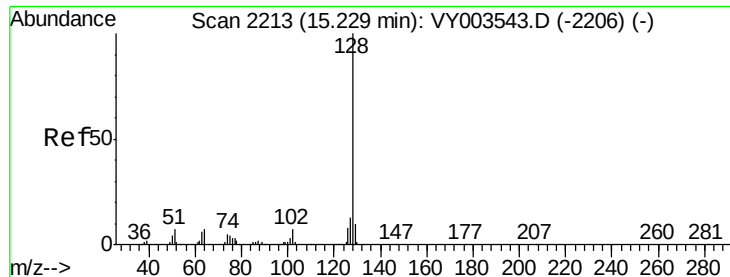
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.3	115.9
184	30.7	24.4	36.6
145	28.4	22.4	33.6



#68
 1,2,4-trichlorobenzene
 Concen: 102.559 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003545.D
 Acq: 19 Nov 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	28.3	22.8	34.2





#69

Naphthalene

Concen: 106.818 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10080

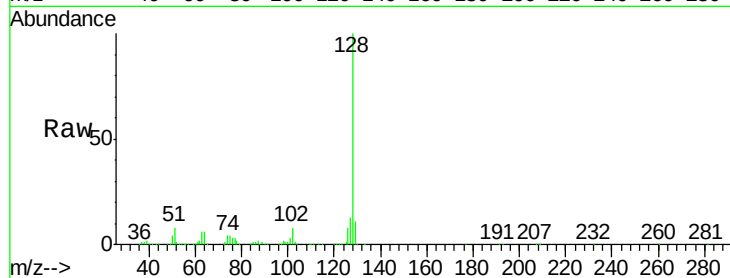
Tgt Ion:128 Resp: 601821

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

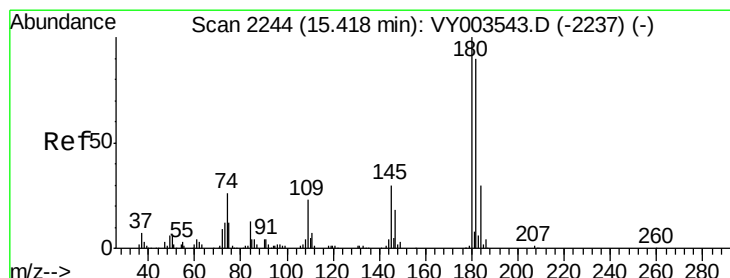
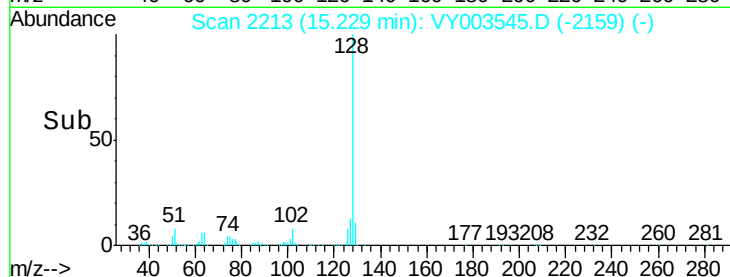
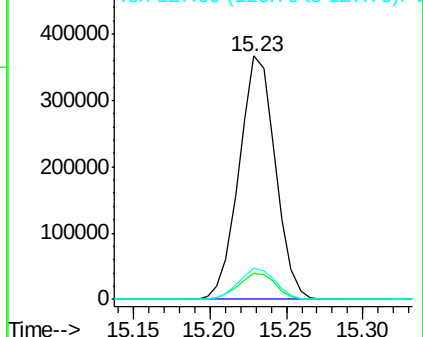
127 13.1 10.2 15.2



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: 97.868 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003545.D

Acq: 19 Nov 2020 12:52

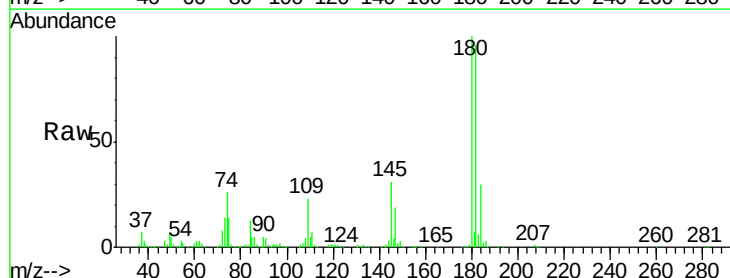
Tgt Ion:180 Resp: 235700

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 30.6 25.2 37.8



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

