

Data File : VY000534.D
Acq On : 05 Nov 2019 11:11
Operator : SY/MD
Sample : VSTD10081
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD100811

Quant Time: Nov 06 04:22:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 06 04:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	371043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	354596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	172097	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	580976	102.77	ug/L	0.00
7) Chloroethane-d5	2.76	69	499750	101.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	997303	101.67	ug/L	0.00
21) 2-Butanone-d5	6.91	46	539390	217.34	ug/L	0.00
24) Chloroform-d	7.49	84	979686	101.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.16	65	585361	100.28	ug/L	0.00
32) Benzene-d6	8.12	84	2029972	99.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	636694	101.87	ug/L	0.00
41) Toluene-d8	10.18	98	1908036	100.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	330830	104.90	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	447746	228.91	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	716369	105.89	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	652108	97.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	450424	87.344	ug/L	98
3) Chloromethane	2.12	50	613382	90.584	ug/L	96
5) Vinyl chloride	2.25	62	598992	94.738	ug/L	98
6) Bromomethane	2.64	94	310440	107.251	ug/L	89
8) Chloroethane	2.79	64	371313	95.163	ug/L	98
9) Trichlorofluoromethane	3.13	101	828330	92.846	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	487440	94.100	ug/L	99
12) 1,1-Dichloroethene	3.88	96	460519	93.438	ug/L	98
13) Acetone	3.96	43	386394	163.186	ug/L	95
14) Carbon disulfide	4.19	76	1540288	98.547	ug/L	100
15) Methyl Acetate	4.49	43	421383	99.842	ug/L	99
16) Methylene chloride	4.72	84	526105	86.952	ug/L	97
17) trans-1,2-Dichloroethene	5.23	96	524503	95.765	ug/L	92
18) Methyl tert-butyl Ether	5.23	73	1548868	99.240	ug/L	99
19) 1,1-Dichloroethane	6.03	63	924206	96.269	ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	588676	96.005	ug/L	93
22) 2-Butanone	7.00	43	665661	183.488	ug/L	97
23) Bromochloromethane	7.35	128	260450	94.485	ug/L	93
25) Chloroform	7.52	83	952297	96.047	ug/L	97
27) 1,2-Dichloroethane	8.25	62	690948	97.559	ug/L	100
29) Cyclohexane	7.80	56	933490	96.375	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	817428	95.566	ug/L	99
31) Carbon tetrachloride	7.91	117	734665	93.139	ug/L	100
33) Benzene	8.17	78	2191173	94.087	ug/L	100
34) Trichloroethene	8.95	95	565062	91.941	ug/L	97
35) Methylcyclohexane	9.19	83	1008508	95.531	ug/L	99
37) 1,2-Dichloropropane	9.22	63	555255	93.453	ug/L	99
38) Bromodichloromethane	9.50	83	740116	97.907	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	947720	99.544	ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	1289917	197.012	ug/L	99

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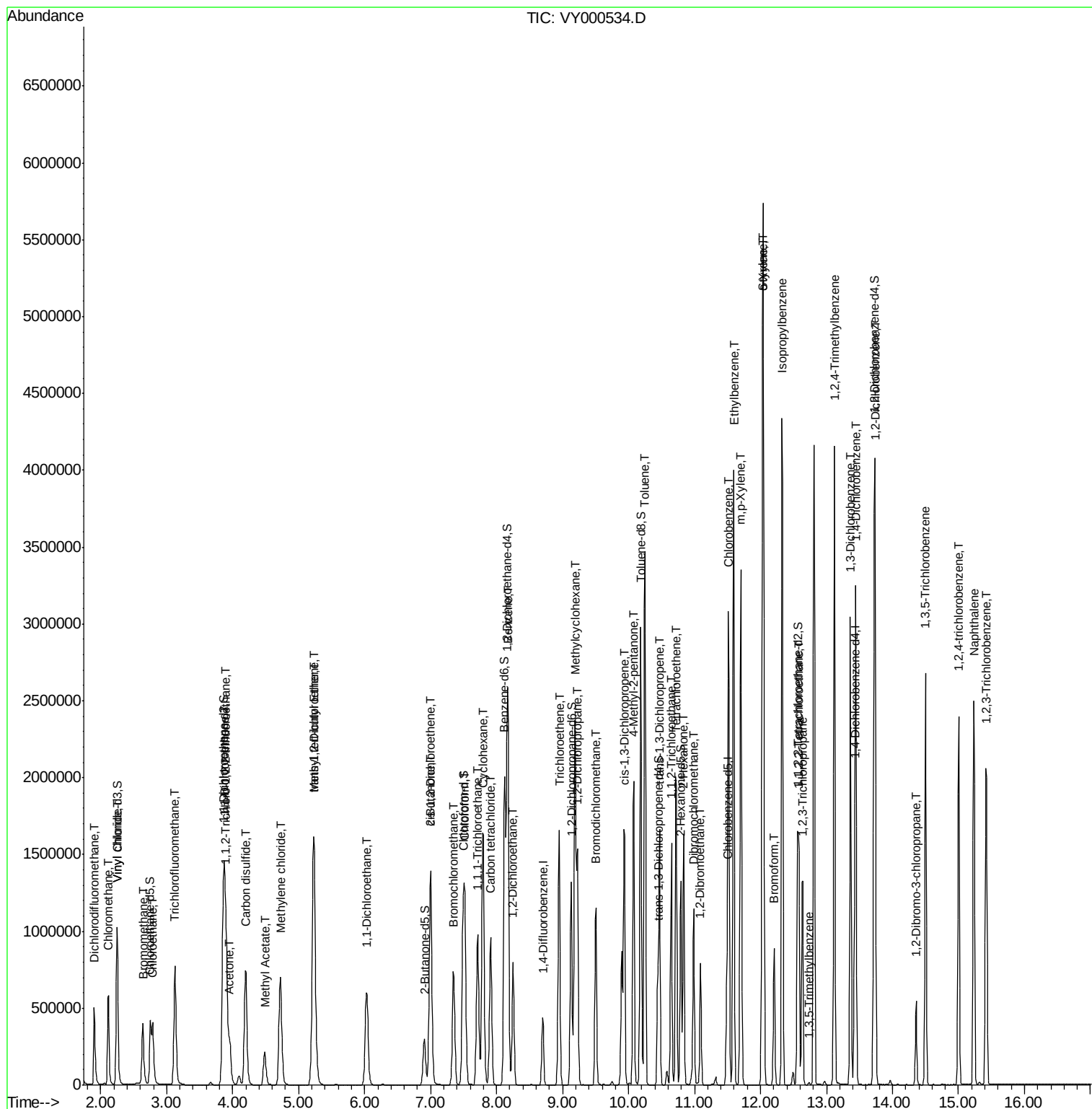
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	2416217	97.152	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	844813	100.410	ug/L	100
45) 1,1,2-Trichloroethane	10.65	97	481497	95.463	ug/L	96
46) Tetrachloroethene	10.72	164	425989	90.799	ug/L	97
48) 2-Hexanone	10.83	43	1017614	198.816	ug/L	99
49) Dibromochloromethane	10.99	129	563165	99.090	ug/L	100
50) 1,2-Dibromoethane	11.09	107	490902	96.234	ug/L #	94
51) Chlorobenzene	11.52	112	1513431	95.269	ug/L	99
52) Ethylbenzene	11.60	91	2776227	97.851	ug/L	100
53) m,p-Xylene	11.70	106	1073247	98.718	ug/L	99
54) o-Xylene	12.03	106	1035357	98.055	ug/L	93
55) Styrene	12.05	104	1840960	103.098	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.58	83	677711	99.123	ug/L	100
59) Bromoform	12.21	173	379336	103.953	ug/L	99
60) Isopropylbenzene	12.33	105	2737139	99.913	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	534012	98.019	ug/L	97
62) 1,3,5-Trimethylbenzene	12.74	105	7632	0.288	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	2163195	96.709	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	1151337	93.756	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	1150301	93.096	ug/L	100
67) 1,2-Dichlorobenzene	13.74	146	1061613	92.305	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.36	75	123874	98.222	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	761462	89.833	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	681479	88.269	ug/L	99
71) Naphthalene	15.23	128	2002646	99.291	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	650257	90.915	ug/L	99

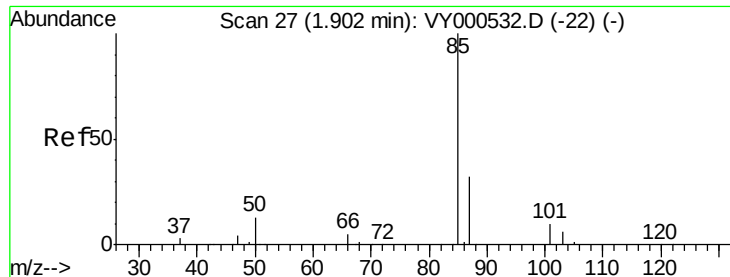
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 87.344 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

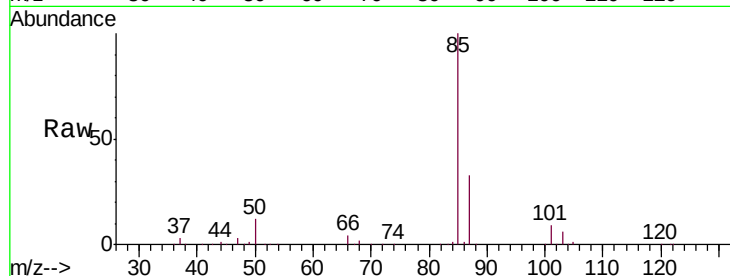
VSTD100811

Tgt Ion: 85 Resp: 450424

Ion Ratio Lower Upper

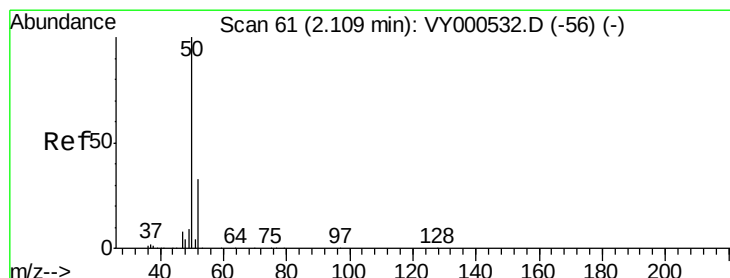
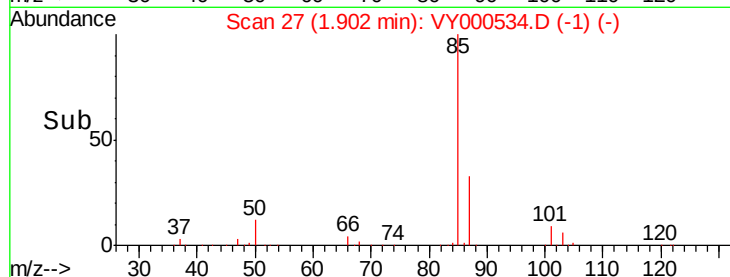
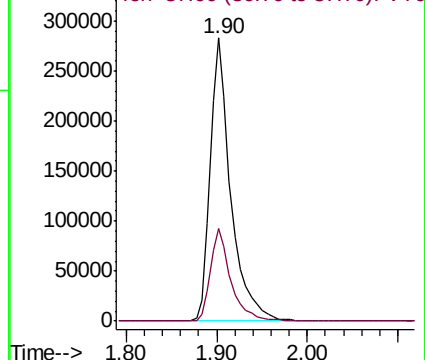
85 100

87 32.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 90.584 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000534.D

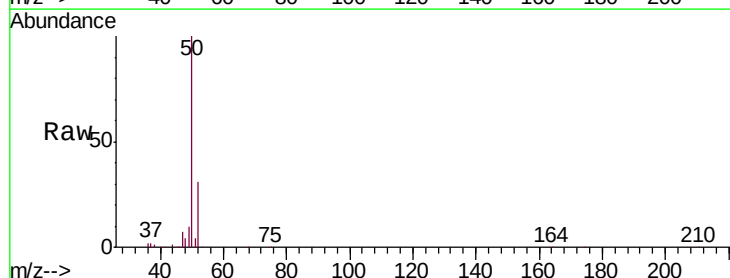
Acq: 05 Nov 2019 11:11

Tgt Ion: 50 Resp: 613382

Ion Ratio Lower Upper

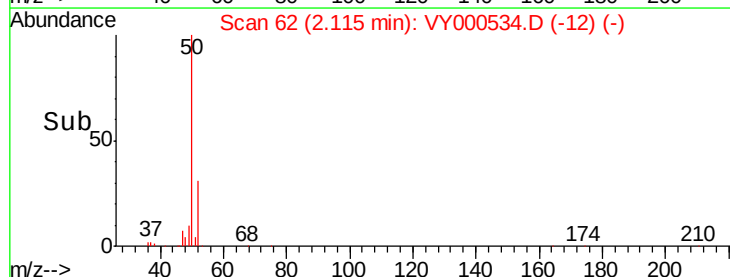
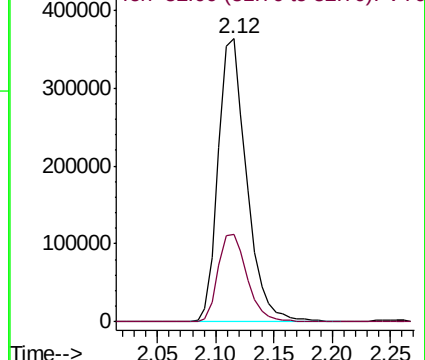
50 100

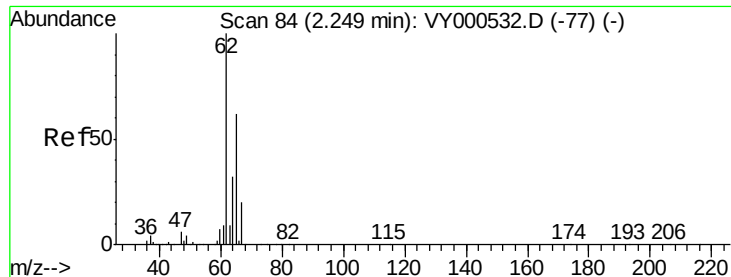
52 31.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 94.738 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

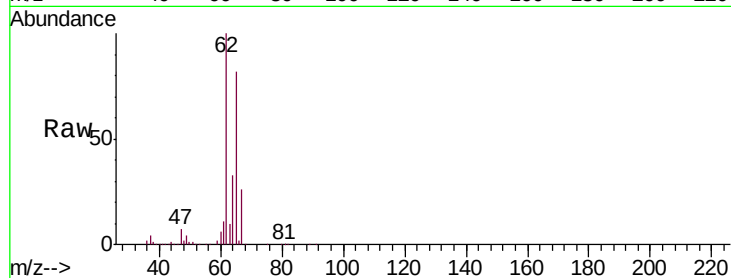
VSTD100811

Tgt Ion: 62 Resp: 598992

Ion Ratio Lower Upper

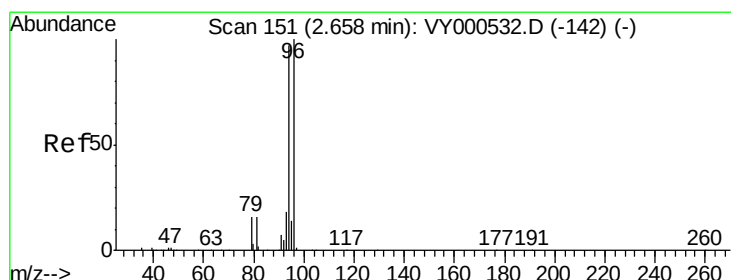
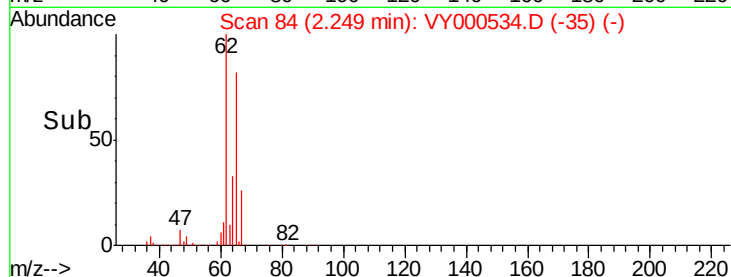
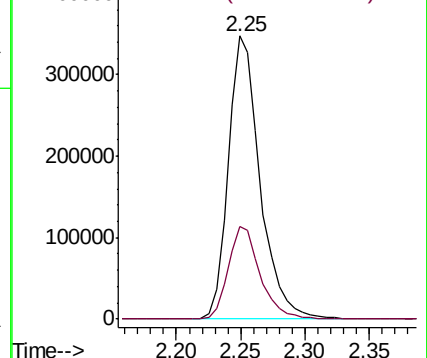
62 100

64 32.7 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 107.251 ug/L

RT: 2.64 min Scan# 148

Delta R.T. -0.02 min

Lab File: VY000534.D

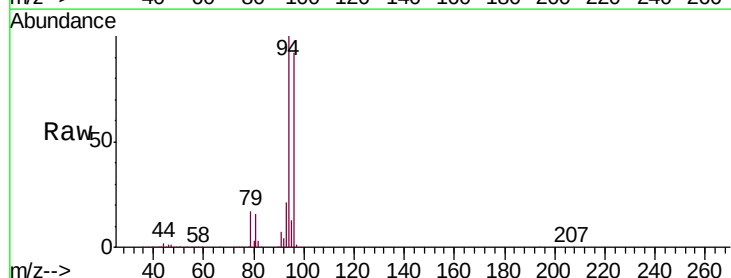
Acq: 05 Nov 2019 11:11

Tgt Ion: 94 Resp: 310440

Ion Ratio Lower Upper

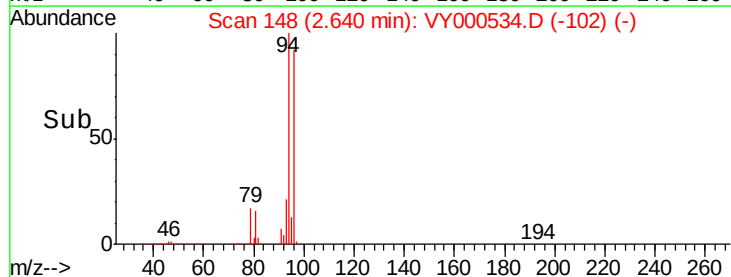
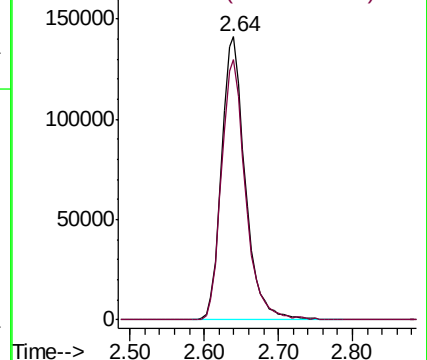
94 100

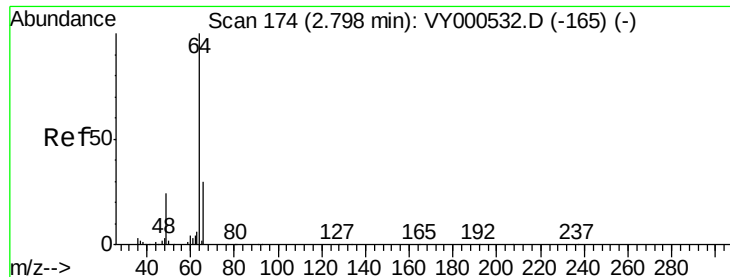
96 92.2 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 95.163 ug/L

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

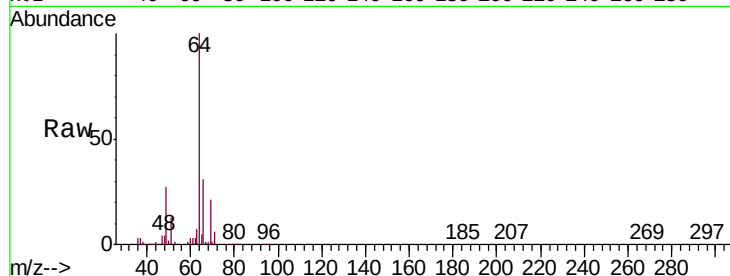
VSTD100811

Tgt Ion: 64 Resp: 371313

Ion Ratio Lower Upper

64 100

66 30.9 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY000534.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000534.D (-165) (-)

2.79

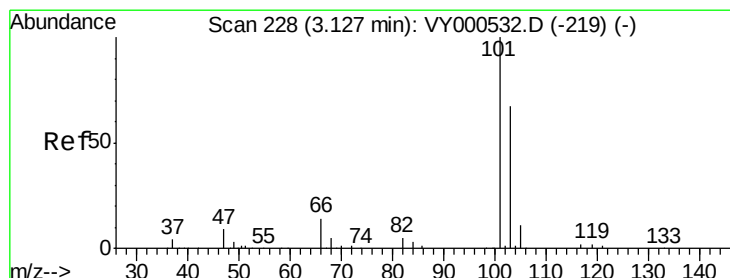
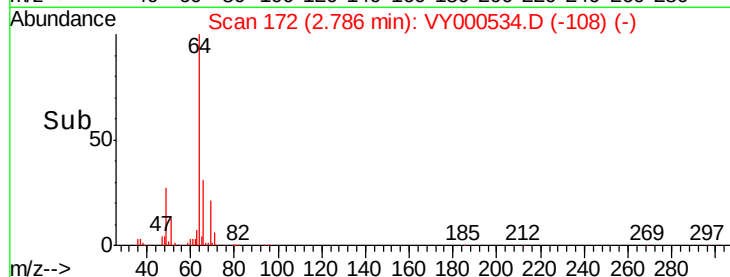
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 92.846 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000534.D

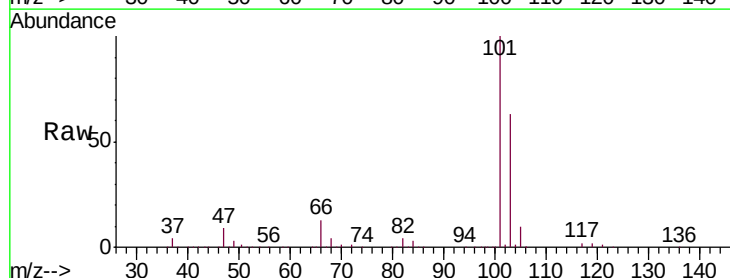
Acq: 05 Nov 2019 11:11

Tgt Ion: 101 Resp: 828330

Ion Ratio Lower Upper

101 100

103 63.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VY000534.D (-219) (-)

Ion 103.00 (102.70 to 103.70): VY000534.D (-219) (-)

3.13

400000

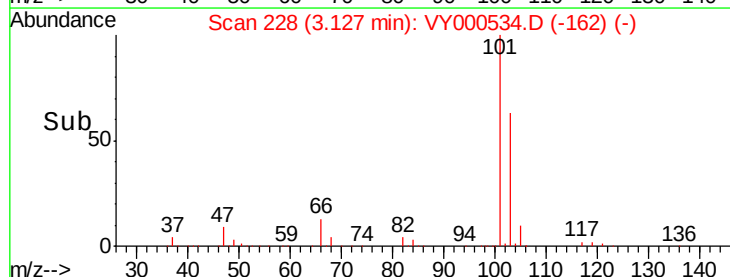
300000

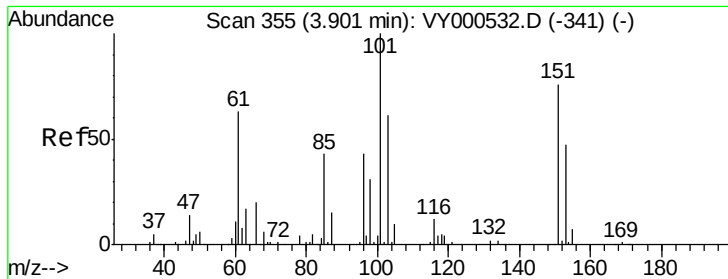
200000

100000

0

Time-->





#10

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

Concen: 94.100 ug/L

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100811

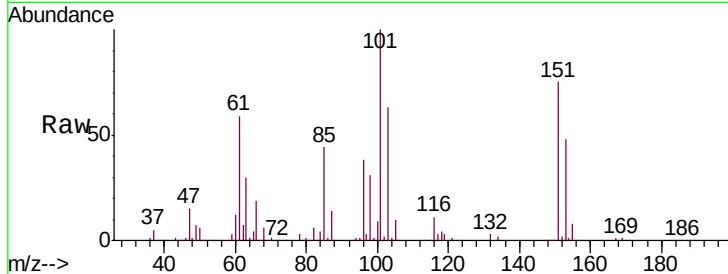
Tgt Ion:101 Resp: 487440

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.8

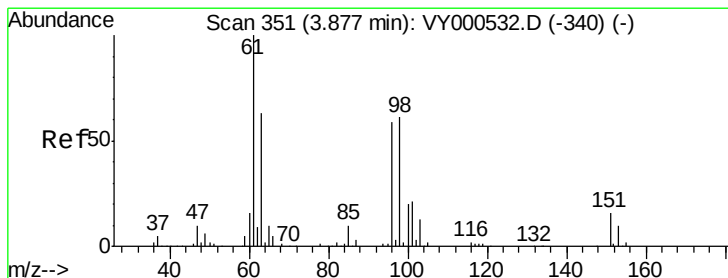
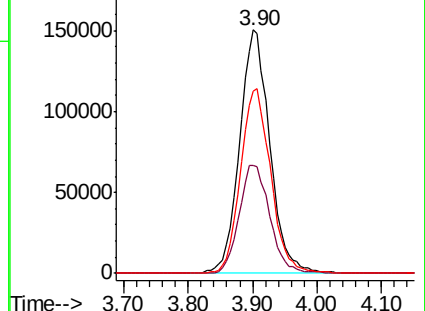
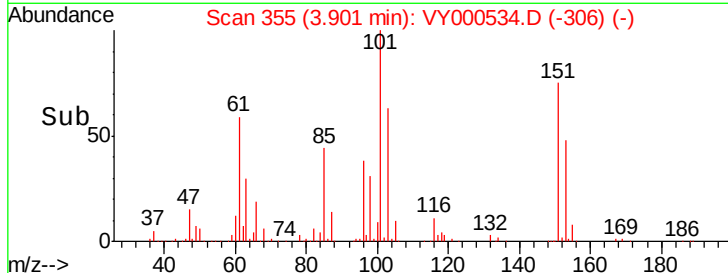
151 75.6 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000534.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VY000534.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VY000534.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 93.438 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

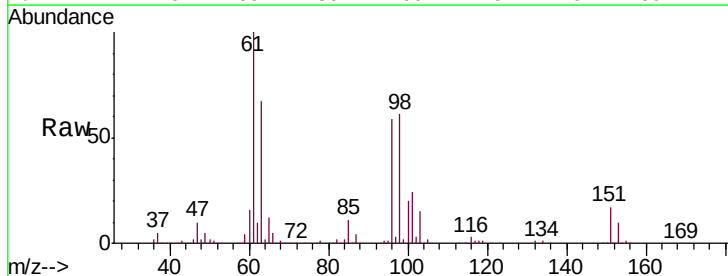
Tgt Ion: 96 Resp: 460519

Ion Ratio Lower Upper

96 100

61 170.9 118.6 220.2

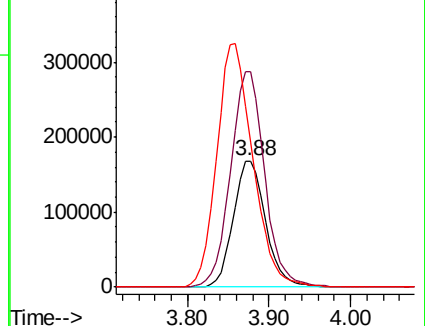
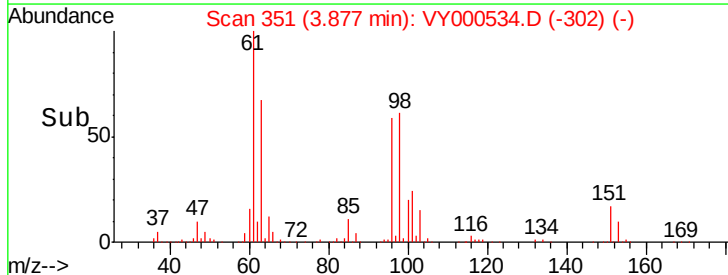
63 115.3 77.8 144.6

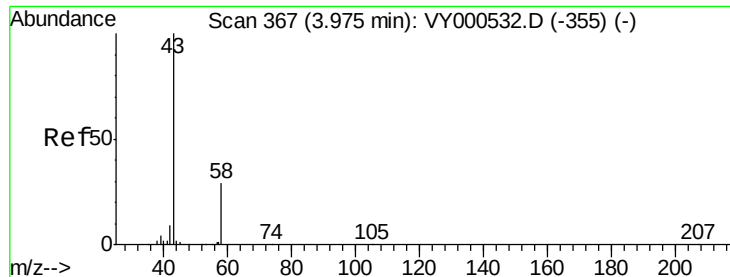


Abundance Ion 96.00 (95.70 to 96.70): VY000534.D (-302) (-)

Ion 61.00 (60.70 to 61.70): VY000534.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY000534.D (-302) (-)





#13

Acetone

Concen: 163.186 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

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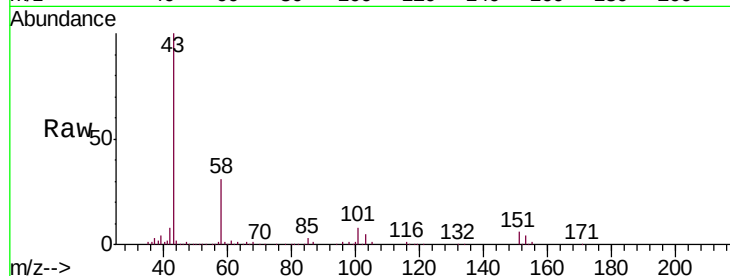
VSTD100811

Tgt Ion: 43 Resp: 386394

Ion Ratio Lower Upper

43 100

58 31.9 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-355) (-)

Ion 58.00 (57.70 to 58.70): VY000532.D (-355) (-)

150000

100000

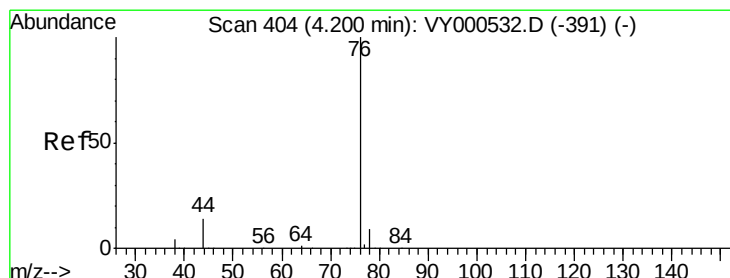
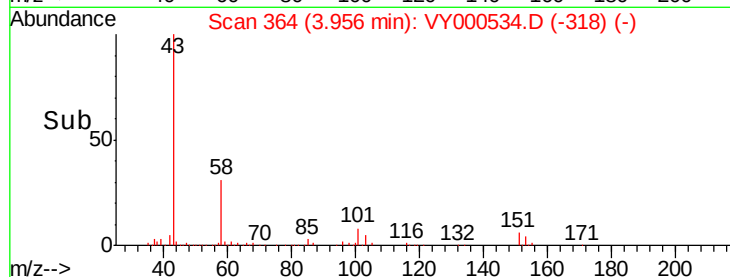
50000

0

3.96

3.80 3.90 4.00 4.10

Time-->



#14

Carbon disulfide

Concen: 98.547 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000534.D

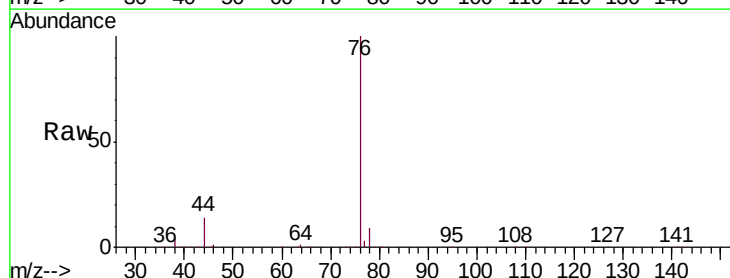
Acq: 05 Nov 2019 11:11

Tgt Ion: 76 Resp: 1540288

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY000532.D (-391) (-)

Ion 78.00 (77.70 to 78.70): VY000532.D (-391) (-)

600000

500000

400000

300000

200000

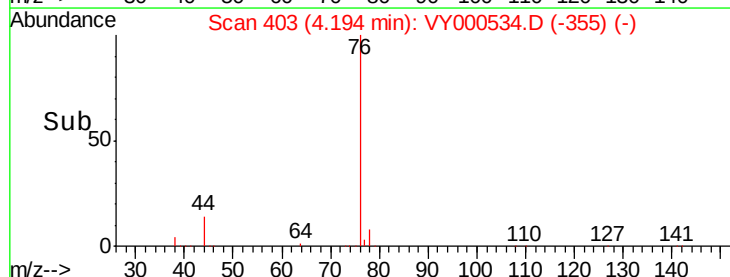
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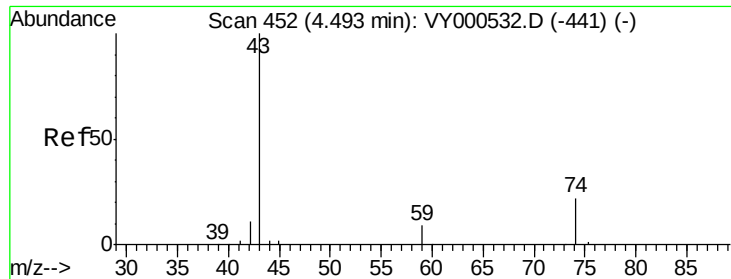
0

4.19

4.10 4.20 4.30

Time-->





#15

Methyl Acetate

Concen: 99.842 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

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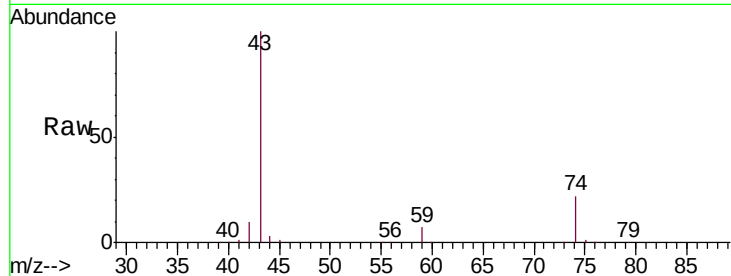
VSTD100811

Tgt Ion: 43 Resp: 421383

Ion Ratio Lower Upper

43 100

74 22.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VY000532.D (-441) (-)

150000

100000

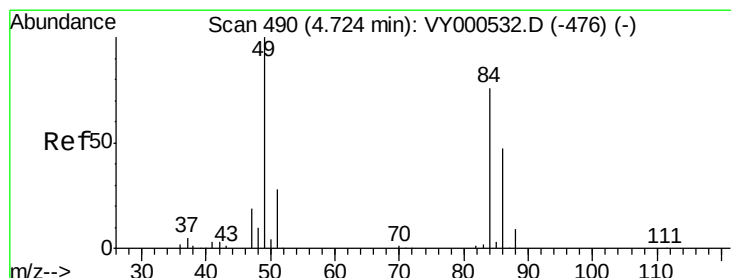
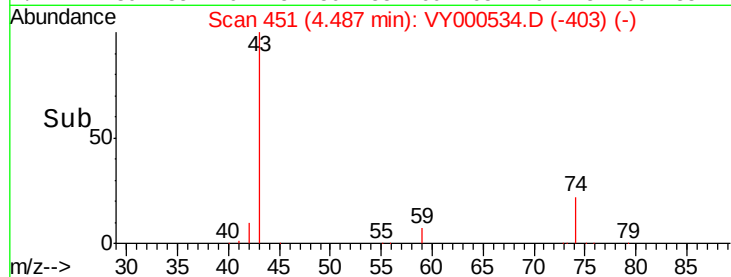
50000

0

4.49

4.40 4.50 4.60

Time-->



#16

Methylene chloride

Concen: 86.952 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

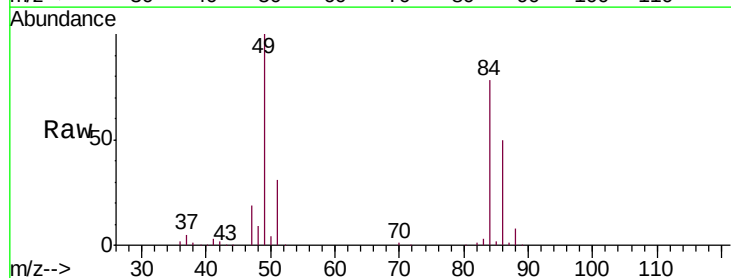
Tgt Ion: 84 Resp: 526105

Ion Ratio Lower Upper

84 100

86 63.4 43.4 80.6

49 127.6 92.3 171.3



Abundance Ion 84.00 (83.70 to 84.70): VY000532.D (-476) (-)

Ion 86.00 (85.70 to 86.70): VY000532.D (-476) (-)

Ion 49.00 (48.70 to 49.70): VY000532.D (-476) (-)

300000

250000

200000

150000

100000

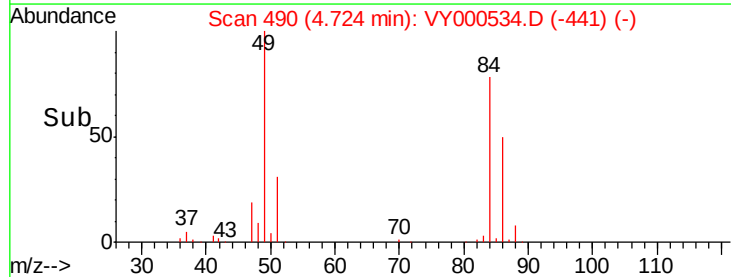
50000

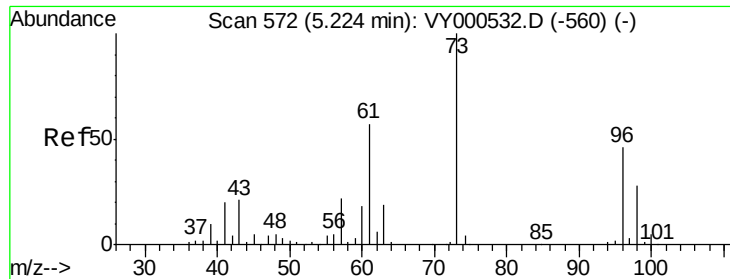
0

4.72

4.60 4.70 4.80 4.90

Time-->





#17

trans-1,2-Dichloroethene

Concen: 95.765 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100811

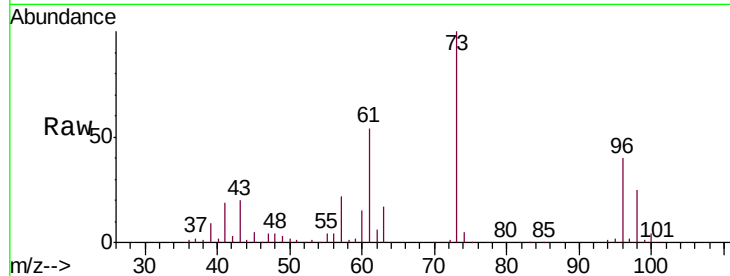
Tgt Ion: 96 Resp: 524503

Ion Ratio Lower Upper

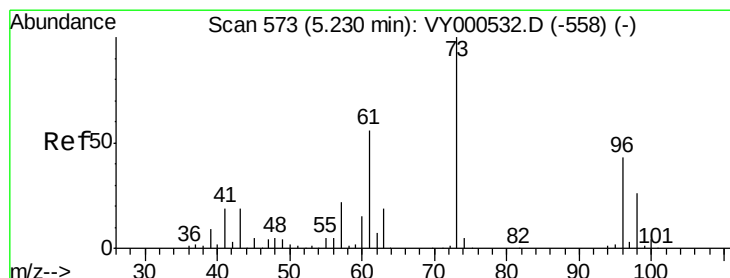
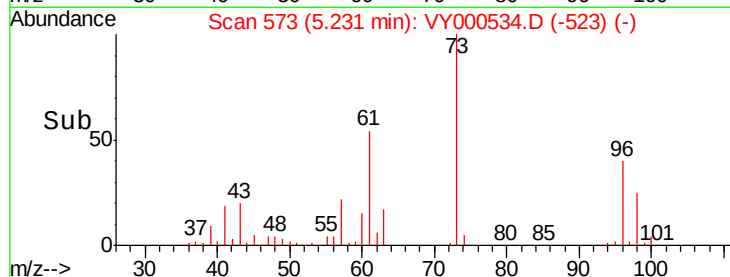
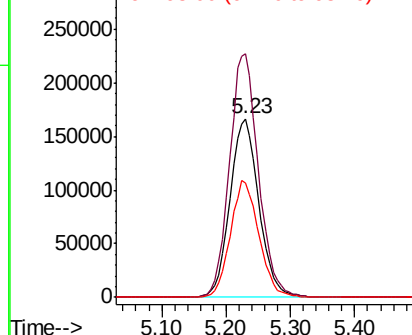
96 100

61 136.4 86.9 161.5

98 63.8 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 99.240 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

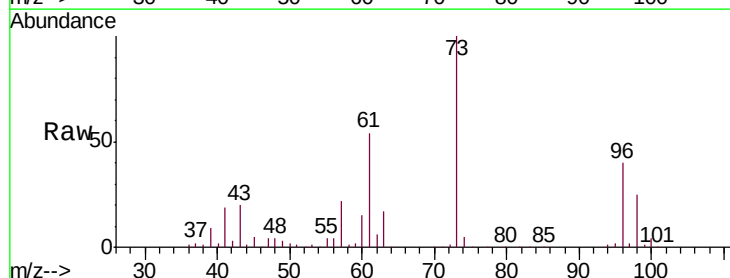
Tgt Ion: 73 Resp: 1548868

Ion Ratio Lower Upper

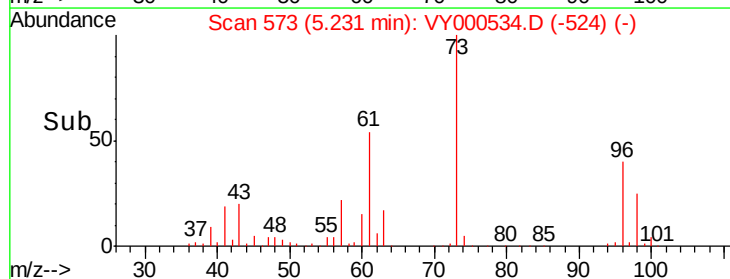
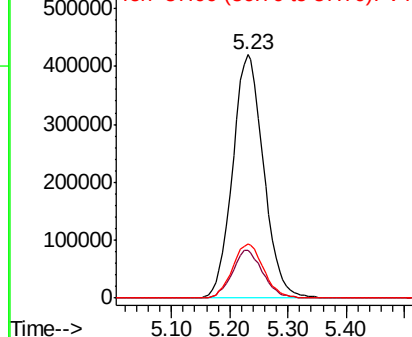
73 100

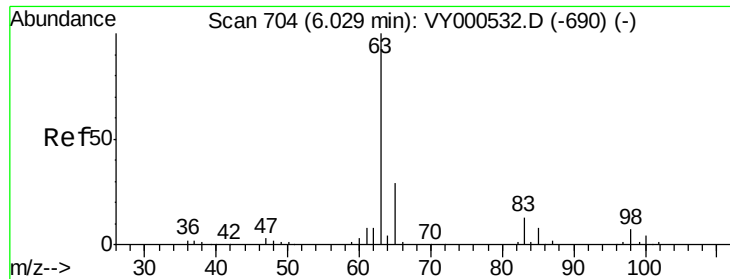
43 19.3 15.7 23.5

57 22.4 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

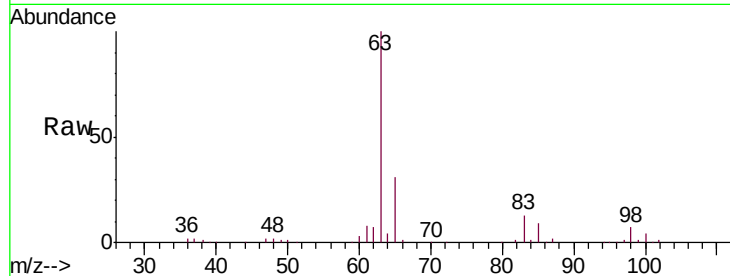




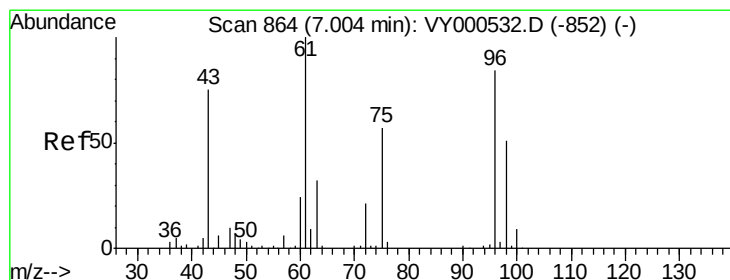
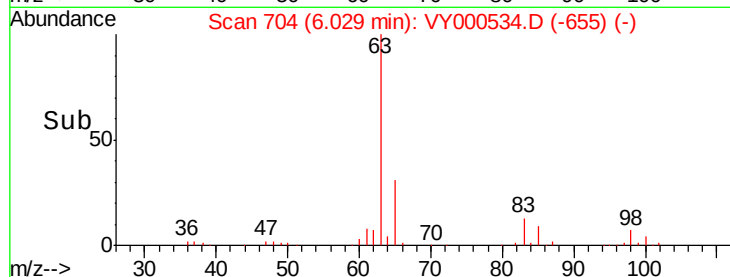
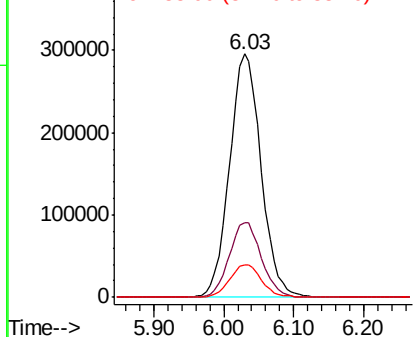
#19
 1,1-Dichloroethane
 Concen: 96.269 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

Tgt Ion: 63 Resp: 924206
 Ion Ratio Lower Upper
 63 100
 65 30.7 20.2 37.4
 83 13.3 9.2 17.2

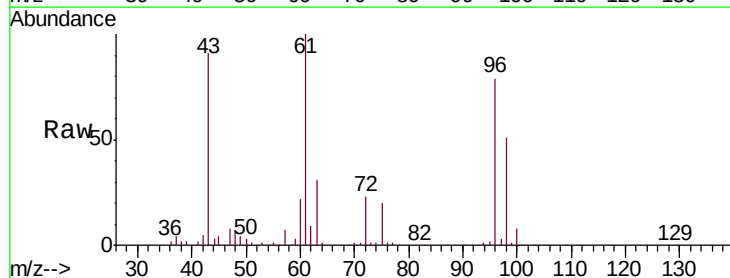


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

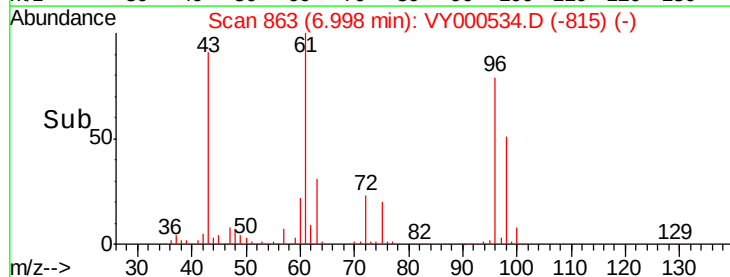
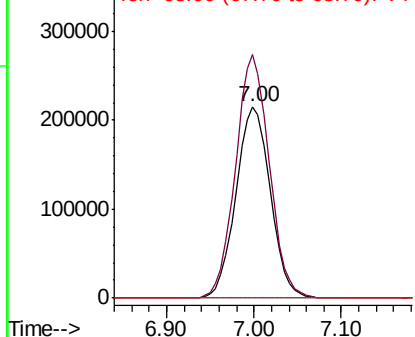


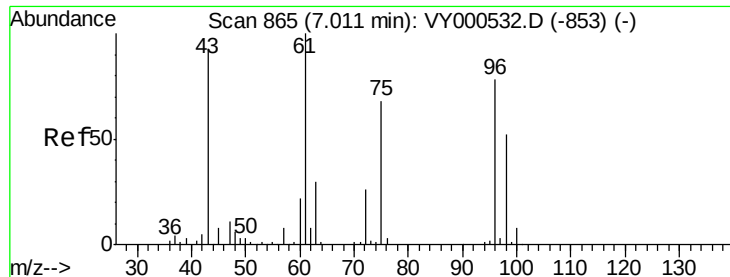
#20
 cis-1,2-Dichloroethene
 Concen: 96.005 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 96 Resp: 588676
 Ion Ratio Lower Upper
 96 100
 61 127.1 83.7 155.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 183.488 ug/L

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

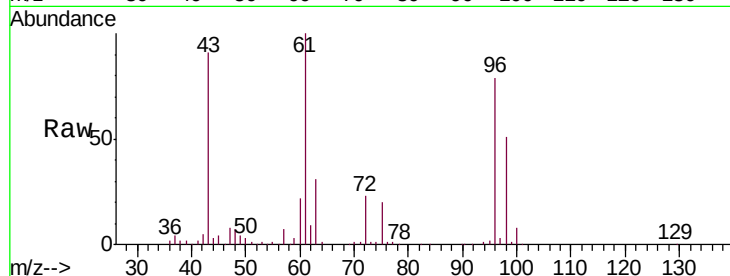
VSTD100811

Tgt Ion: 43 Resp: 665661

Ion Ratio Lower Upper

43 100

72 25.9 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-853) (-)

Ion 72.00 (71.70 to 72.70): VY000532.D (-853) (-)

7.00

250000

200000

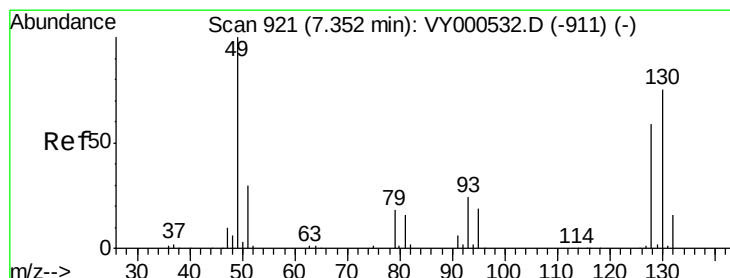
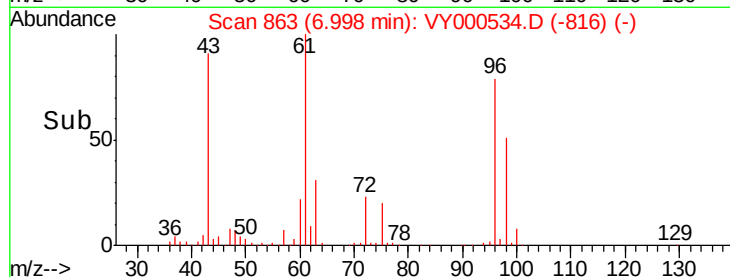
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 94.485 ug/L

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Tgt Ion: 128 Resp: 260450

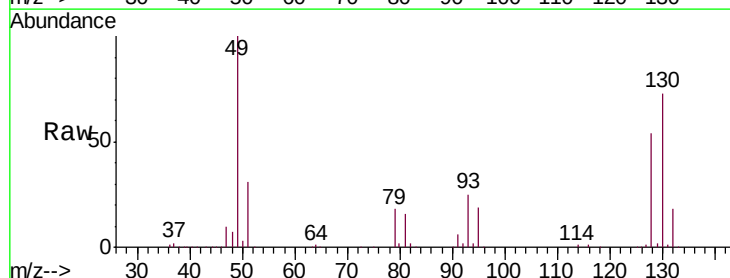
Ion Ratio Lower Upper

128 100

49 183.8 119.8 222.4

130 133.3 89.8 166.8

51 56.0 40.8 61.2



Abundance Ion 128.00 (127.70 to 128.70): VY000532.D (-911) (-)

Ion 49.00 (48.70 to 49.70): VY000532.D (-911) (-)

Ion 130.00 (129.70 to 130.70): VY000532.D (-911) (-)

Ion 51.00 (50.70 to 51.70): VY000532.D (-911) (-)

250000

200000

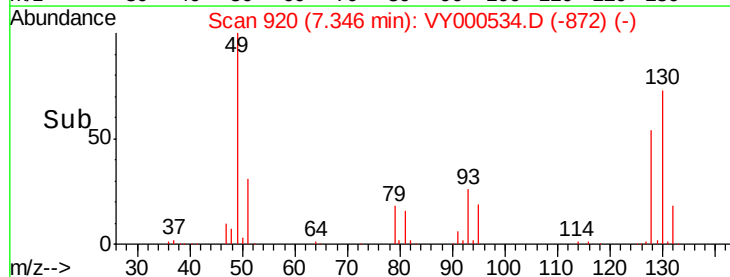
150000

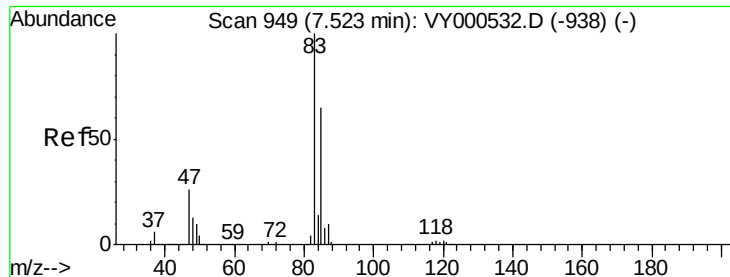
100000

50000

0

Time-->





#25

Chloroform

Concen: 96.047 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

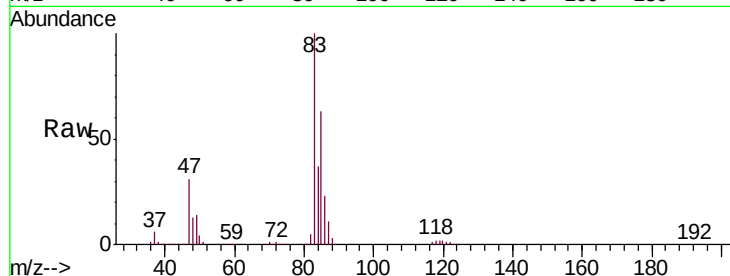
VSTD100811

Tgt Ion: 83 Resp: 952297

Ion Ratio Lower Upper

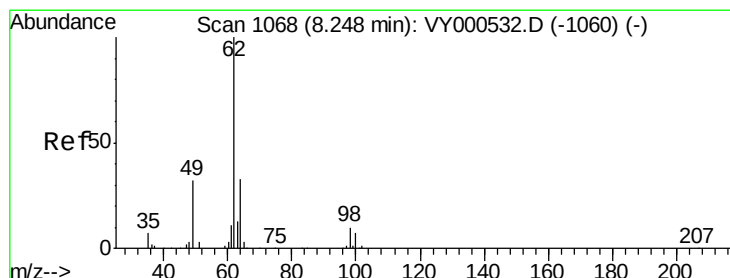
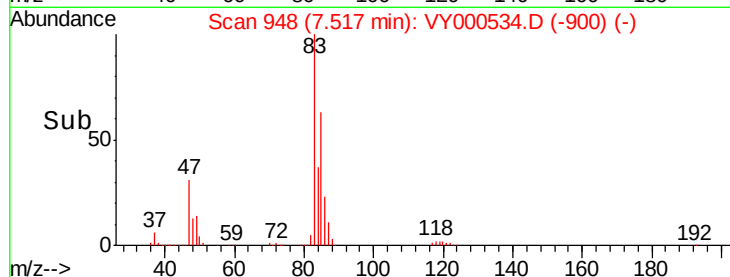
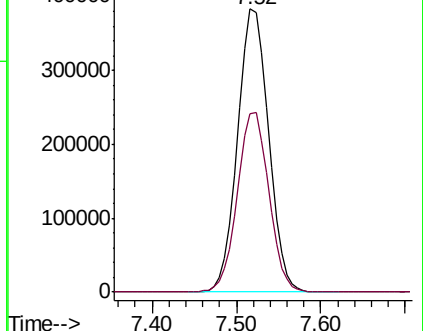
83 100

85 63.1 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 97.559 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000534.D

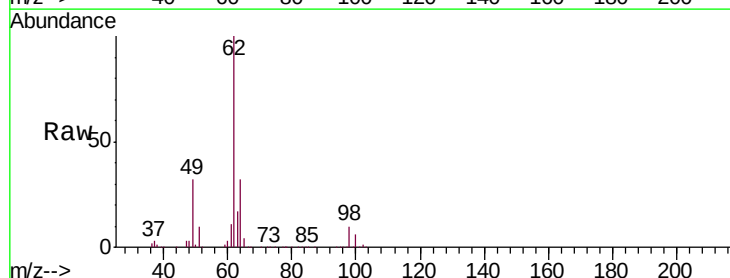
Acq: 05 Nov 2019 11:11

Tgt Ion: 62 Resp: 690948

Ion Ratio Lower Upper

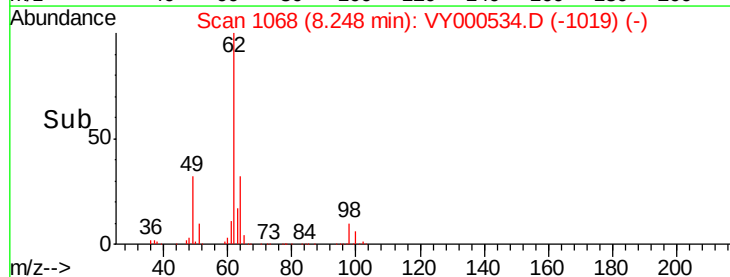
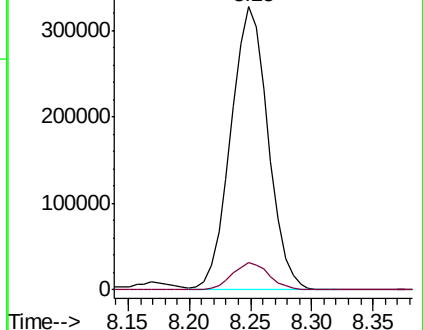
62 100

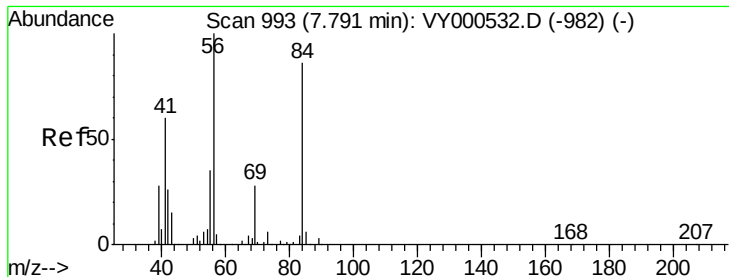
98 9.7 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

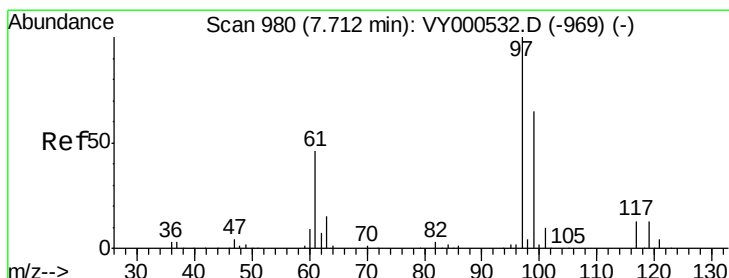
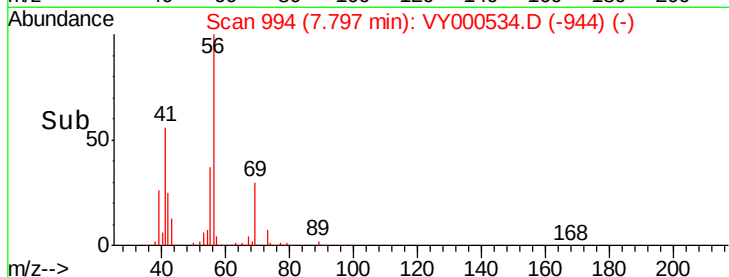
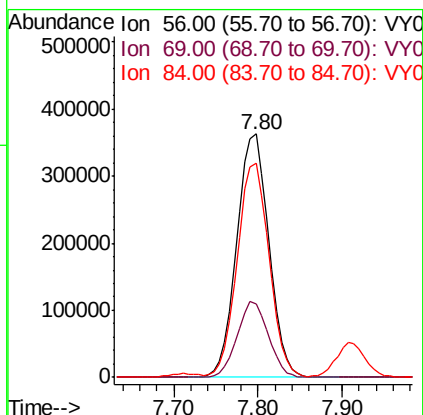
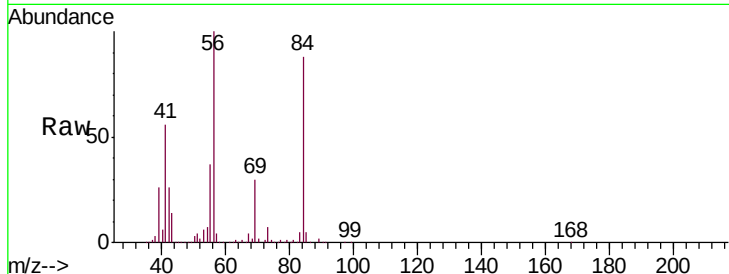




#29
Cyclohexane
Concen: 96.375 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

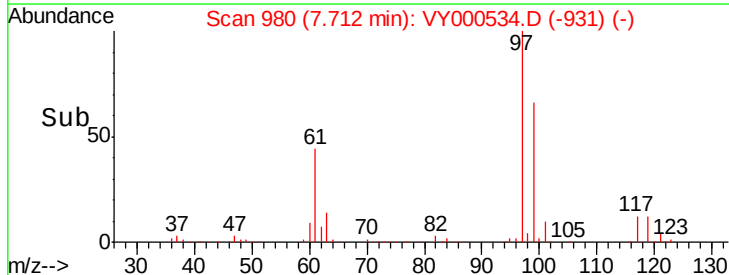
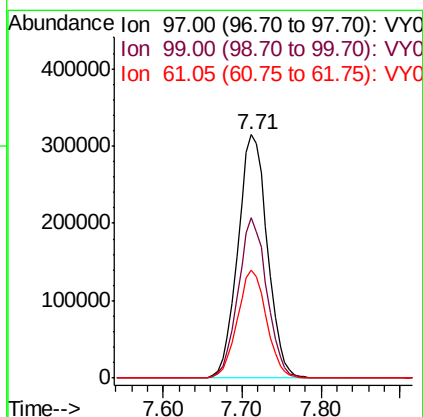
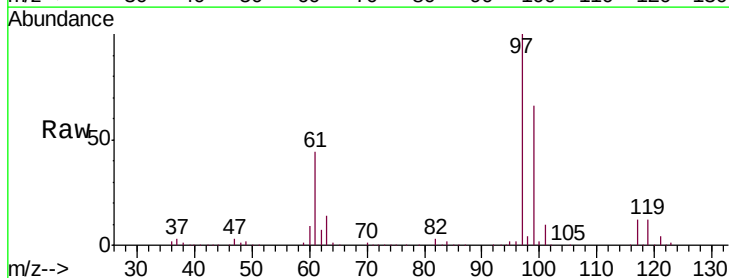
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100811

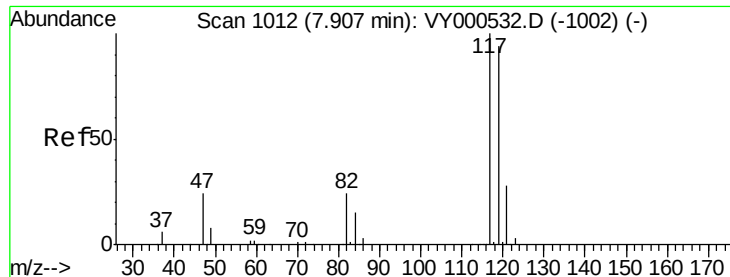
Tgt Ion: 56 Resp: 933490
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.2
84 87.8 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 95.566 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

Tgt Ion: 97 Resp: 817428
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 43.7 35.4 53.0

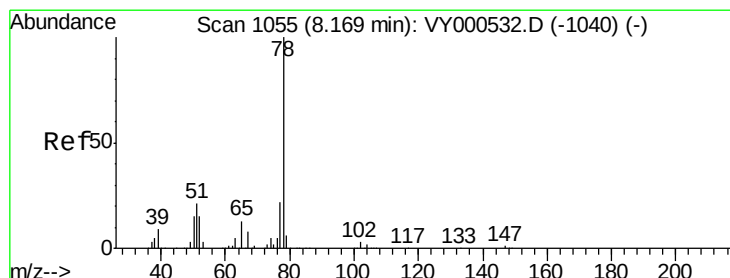
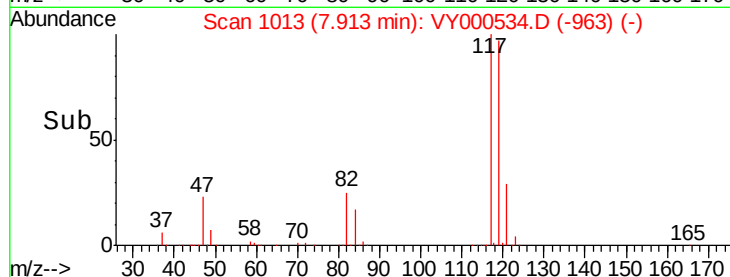
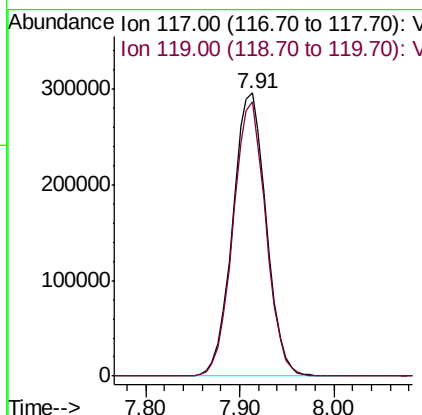
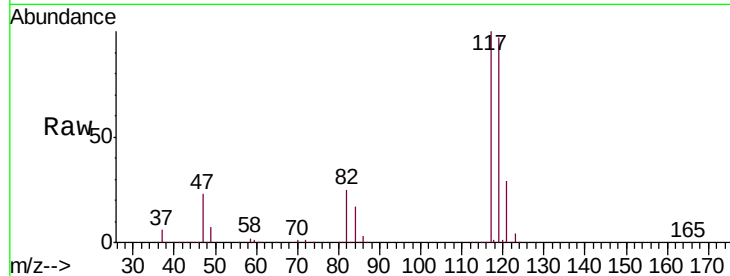




#31
Carbon tetrachloride
Concen: 93.139 ug/L
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

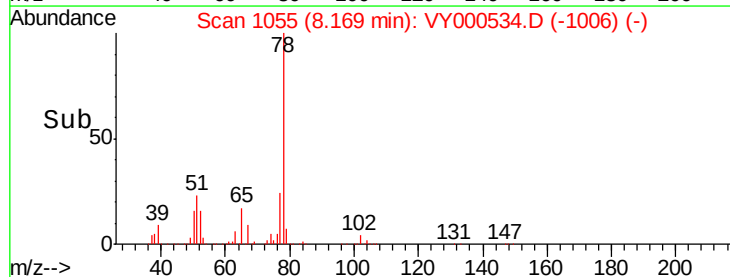
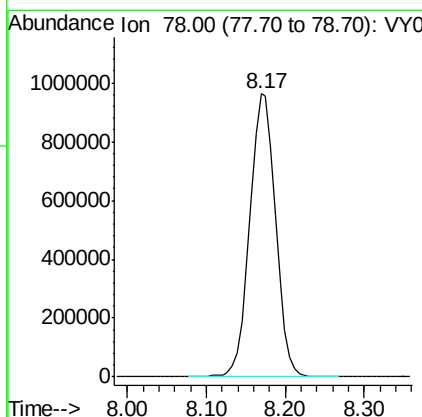
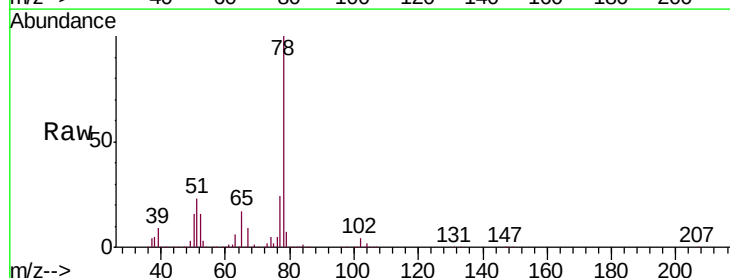
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100811

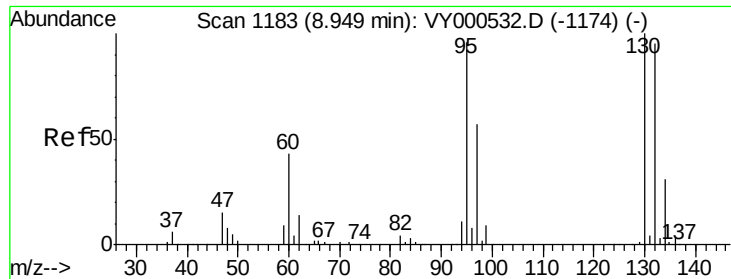
Tgt Ion:117 Resp: 734665
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.2



#33
Benzene
Concen: 94.087 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

Tgt Ion: 78 Resp: 2191173

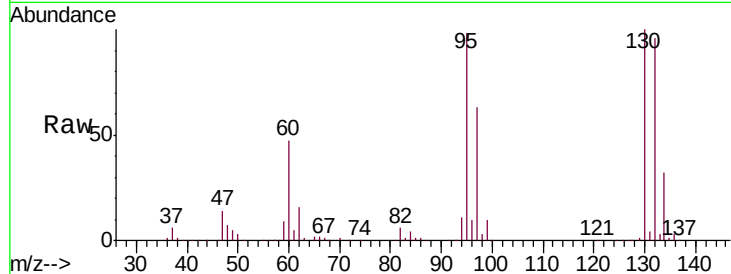




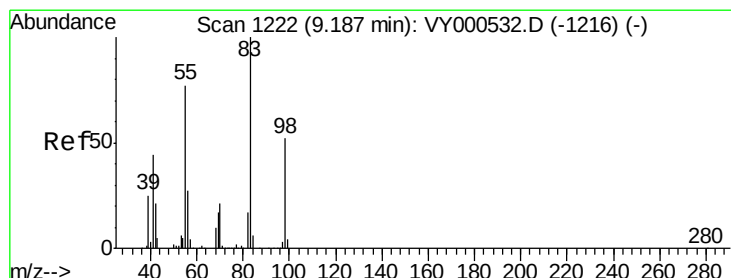
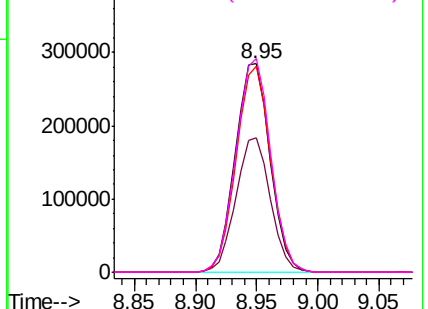
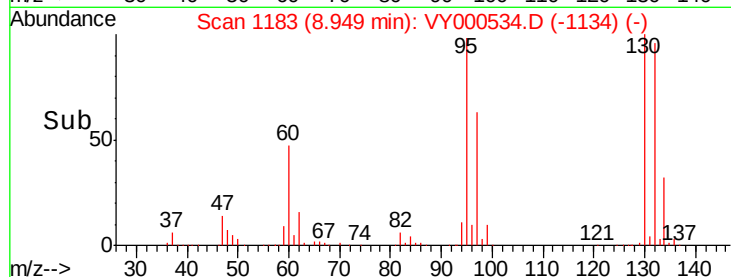
#34
 Trichloroethene
 Concen: 91.941 ug/L
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

Tgt Ion: 95 Resp: 565062
 Ion Ratio Lower Upper
 95 100
 97 64.3 41.4 76.8
 132 98.7 69.7 129.4
 130 102.4 73.1 135.8

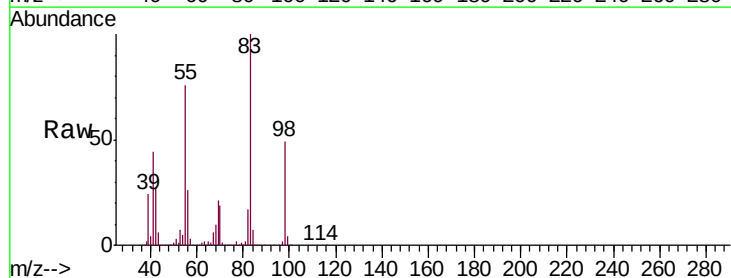


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

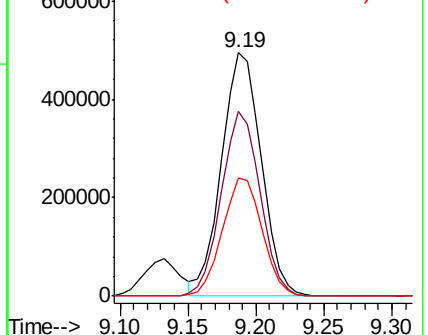
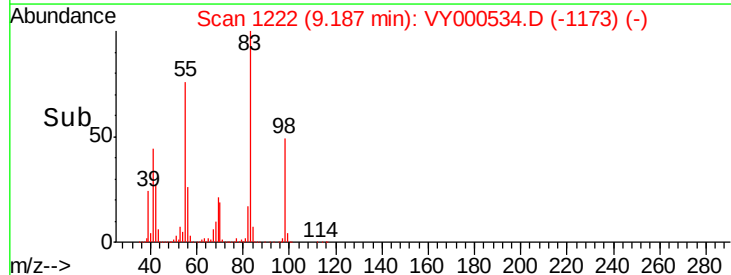


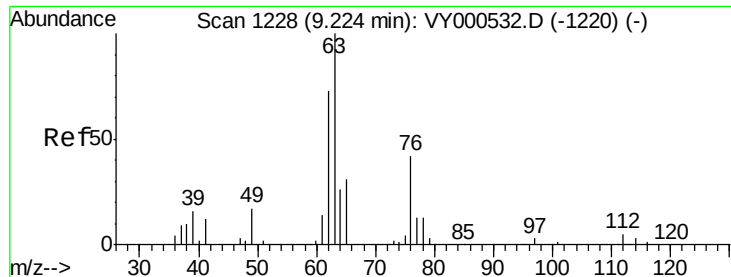
#35
 Methylcyclohexane
 Concen: 95.531 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 83 Resp: 1008508
 Ion Ratio Lower Upper
 83 100
 55 73.8 57.8 86.8
 98 48.7 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

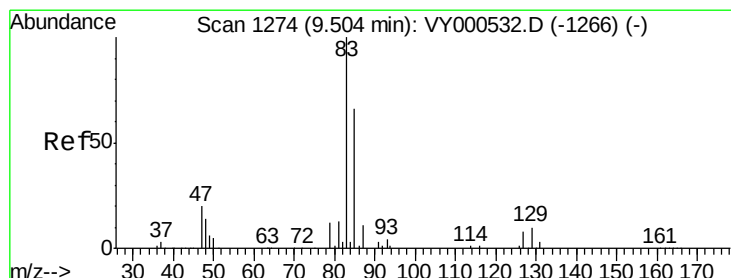
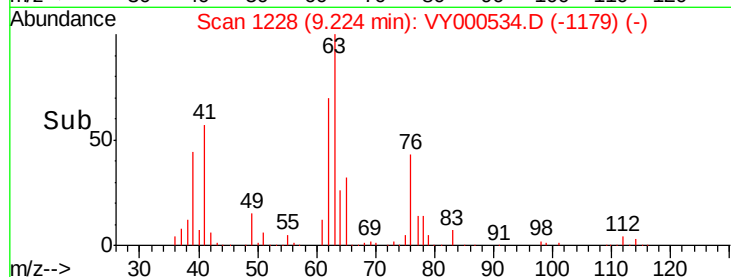
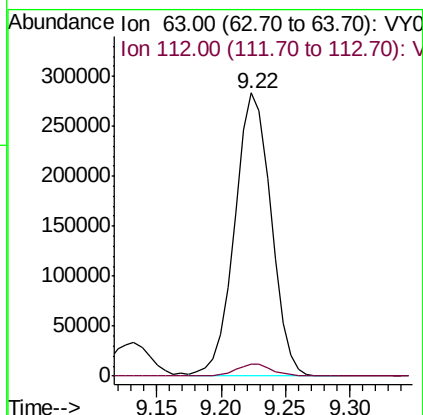
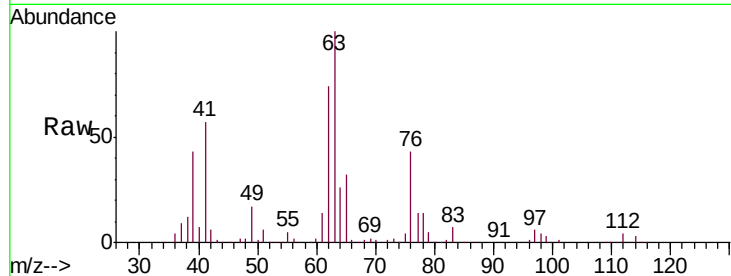




#37
 1,2-Dichloropropane
 Concen: 93.453 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

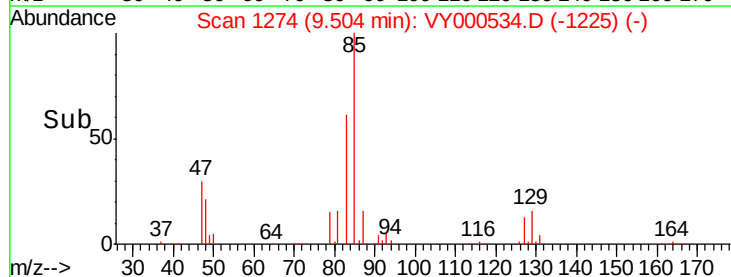
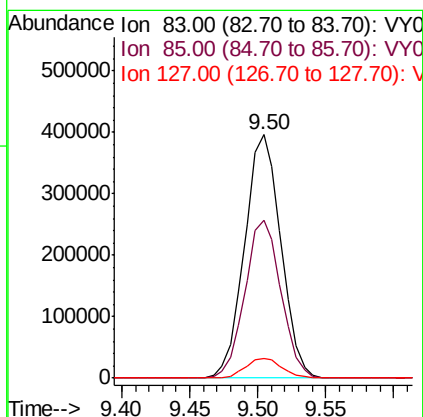
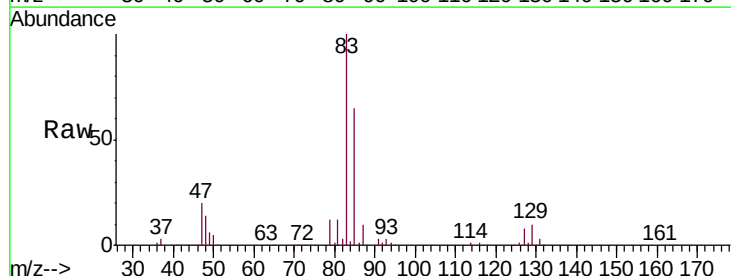
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

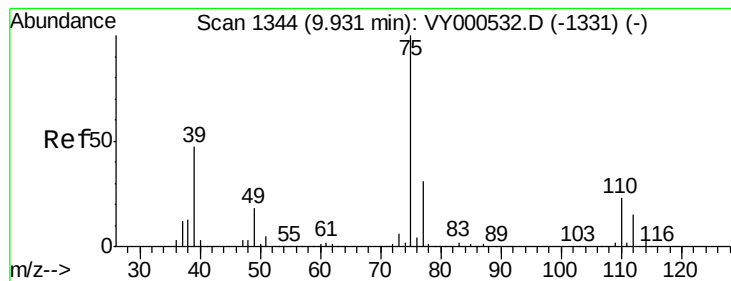
Tgt Ion: 63 Resp: 555255
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 97.907 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 83 Resp: 740116
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.1 85.7
 127 8.2 6.5 9.7



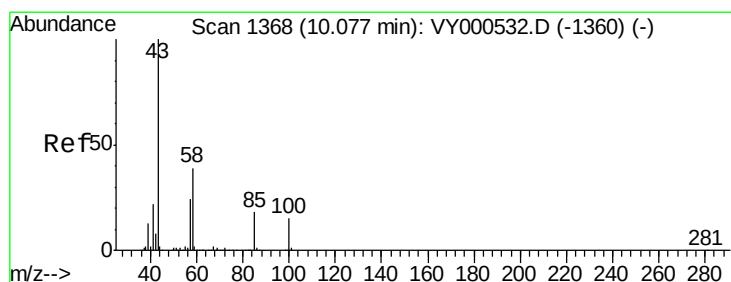
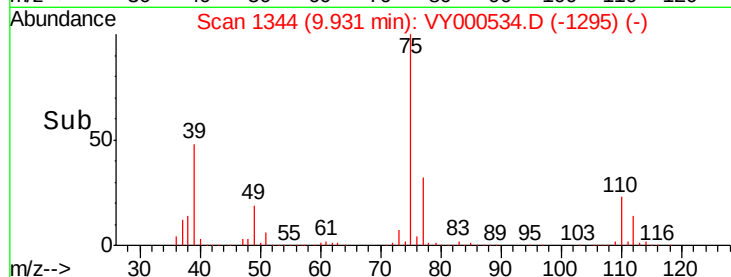
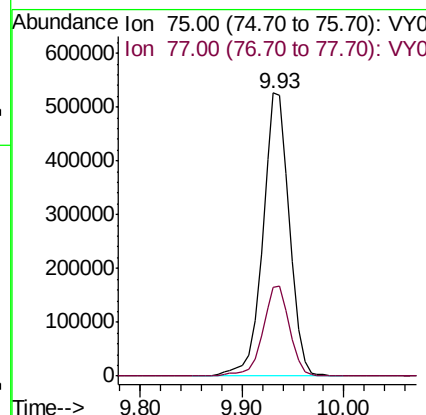
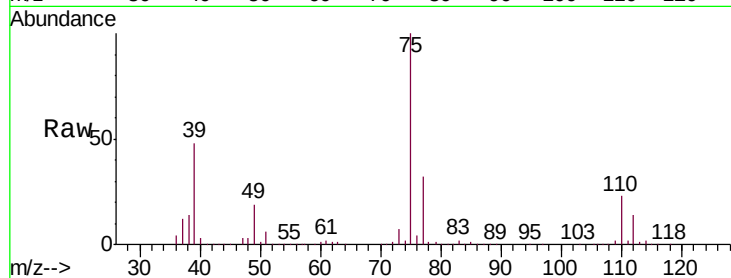


#39

cis-1,3-Dichloropropene
 Concen: 99.544 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD100811

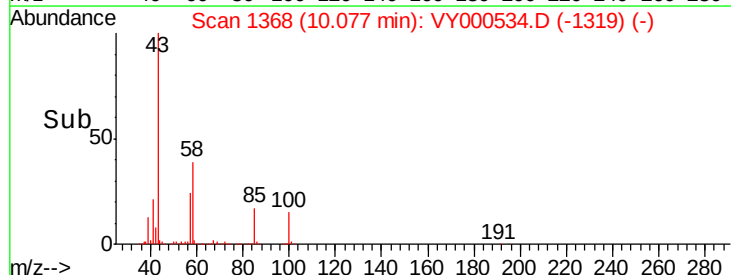
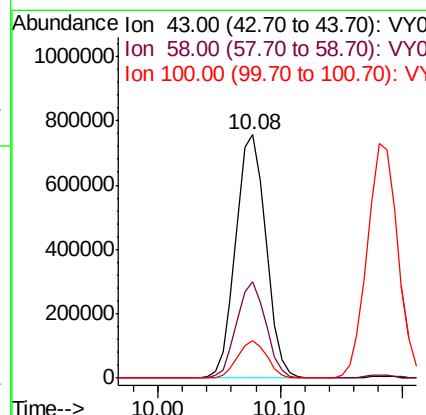
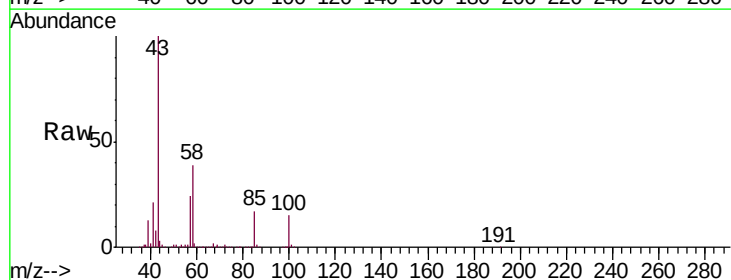
Tgt Ion: 75 Resp: 947720
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.3 39.6

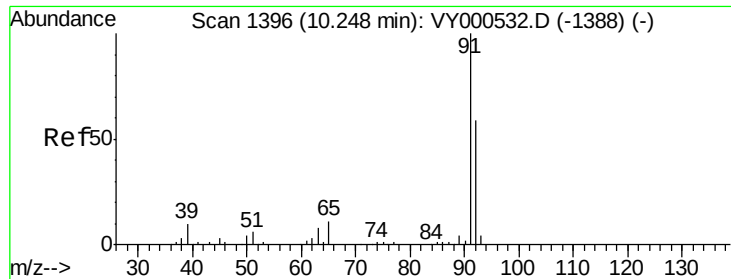


#40

4-Methyl-2-pentanone
 Concen: 197.012 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 43 Resp: 1289917
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 45.8
 100 15.1 11.6 17.4





#42

Toluene

Concen: 97.152 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

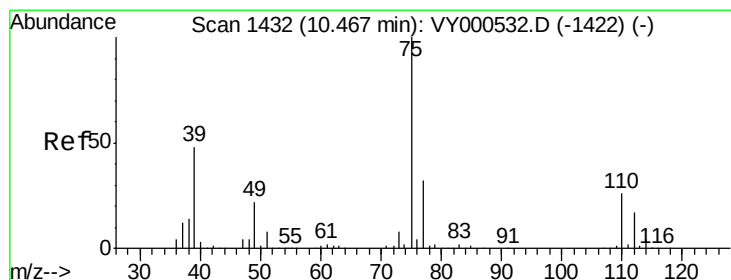
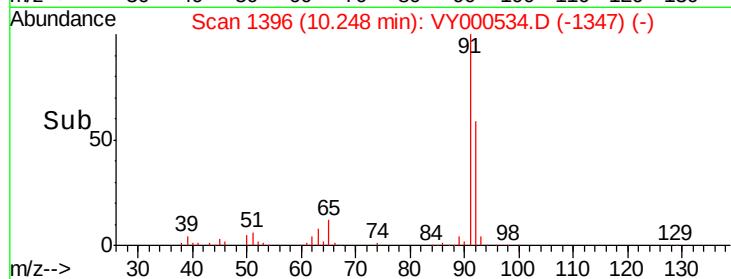
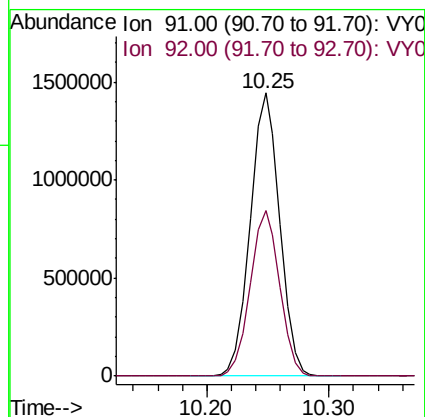
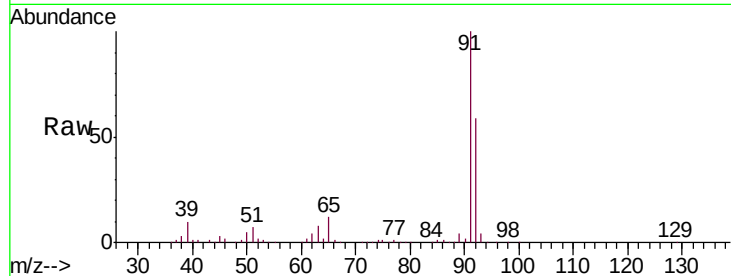
VSTD100811

Tgt Ion: 91 Resp: 2416217

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 100.410 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000534.D

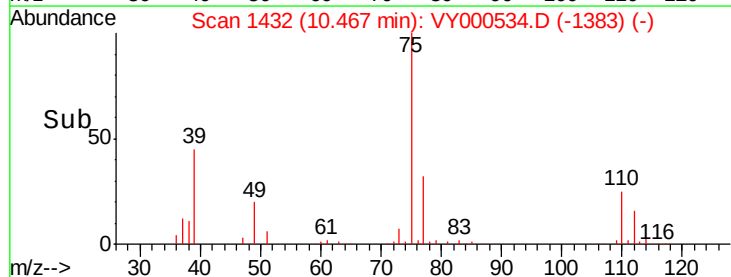
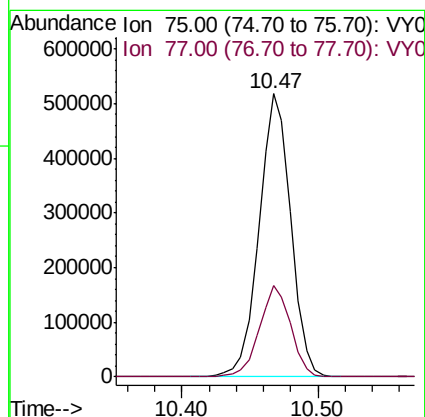
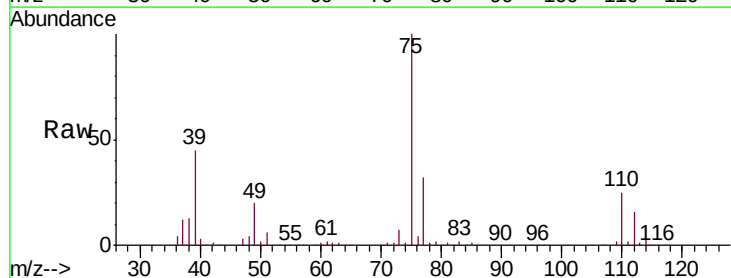
Acq: 05 Nov 2019 11:11

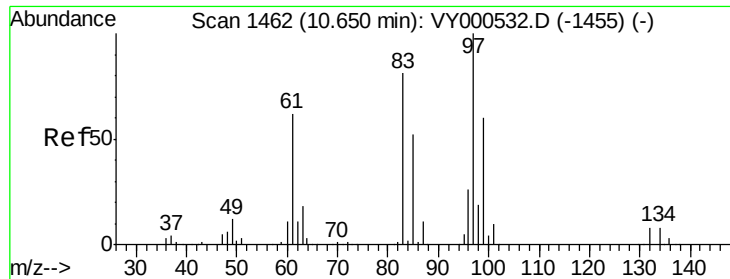
Tgt Ion: 75 Resp: 844813

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1

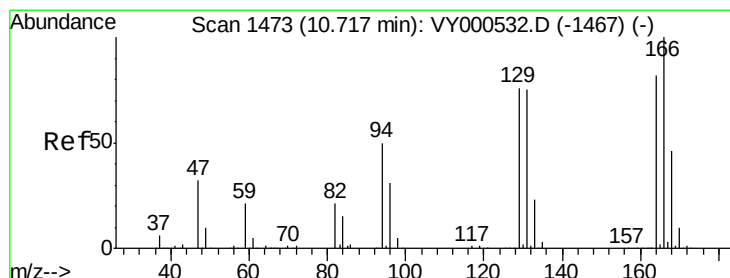
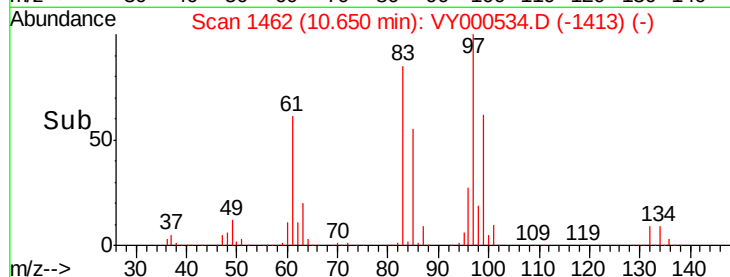
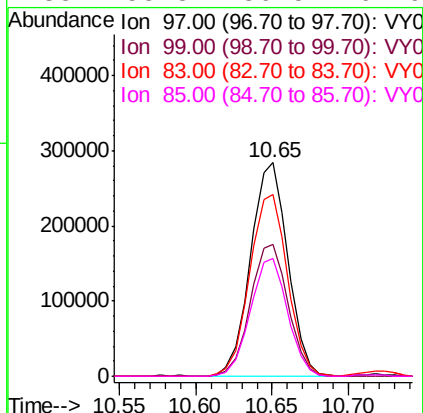
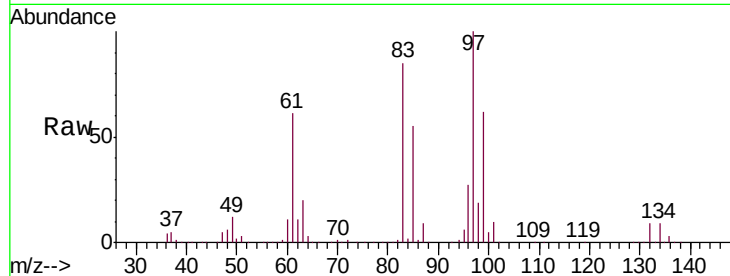




#45
1,1,2-Trichloroethane
Concen: 95.463 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

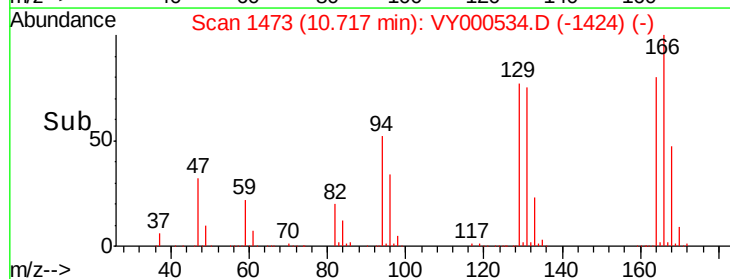
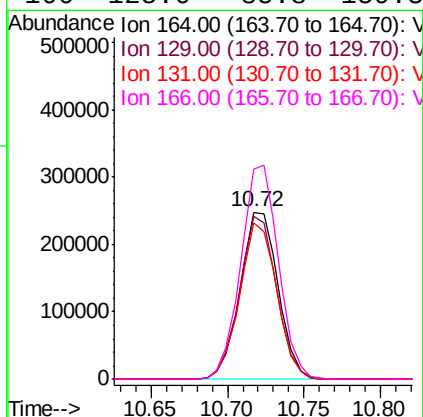
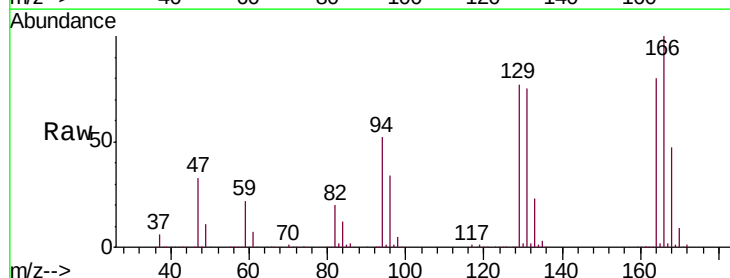
Instrument :
MSVOA_Y
ClientSampled :
VSTD100811

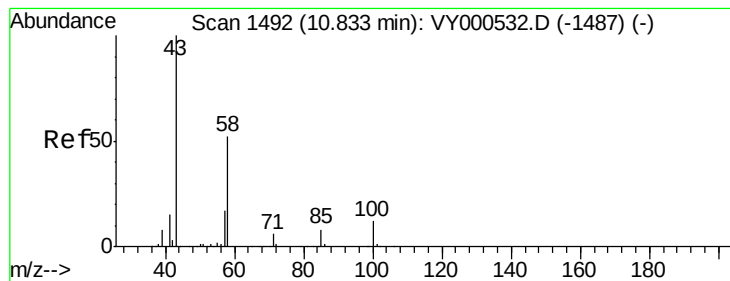
Tgt Ion:	97	Resp:	481497
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.1	78.1
83	85.0	56.8	105.6
85	55.3	36.5	67.9



#46
Tetrachloroethene
Concen: 90.799 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

Tgt Ion:	164	Resp:	425989
Ion	Ratio	Lower	Upper
164	100		
129	97.3	65.7	121.9
131	93.6	64.7	120.1
166	125.6	85.8	159.3





#48

2-Hexanone

Concen: 198.816 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100811

Tgt Ion: 43 Resp: 1017614

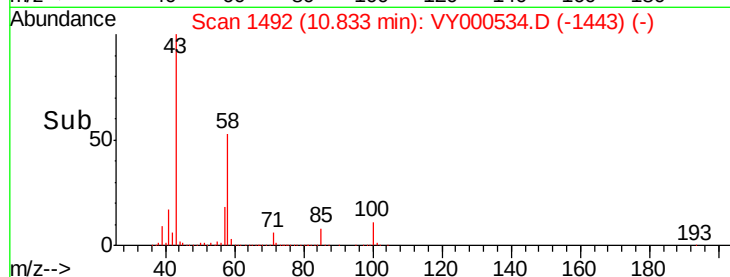
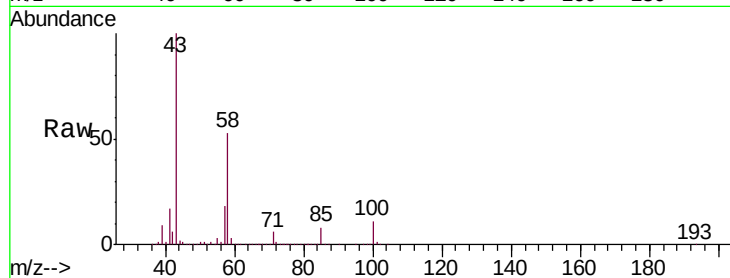
Ion Ratio Lower Upper

43 100

58 53.6 42.5 63.7

57 17.6 14.2 21.4

100 11.4 9.1 13.7

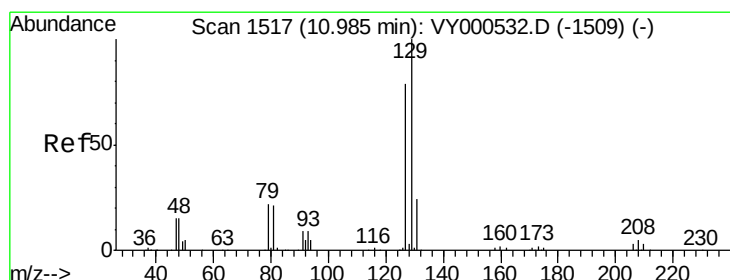
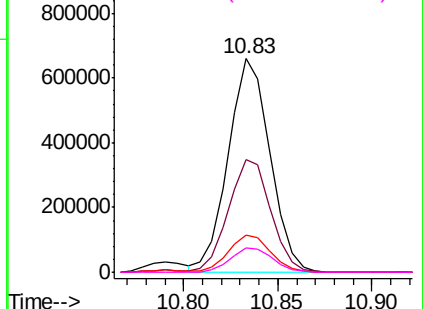


Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-1487) (-)

Ion 58.00 (57.70 to 58.70): VY000532.D (-1487) (-)

Ion 57.00 (56.70 to 57.70): VY000532.D (-1487) (-)

Ion 100.00 (99.70 to 100.70): VY000532.D (-1487) (-)



#49

Dibromochloromethane

Concen: 99.090 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000534.D

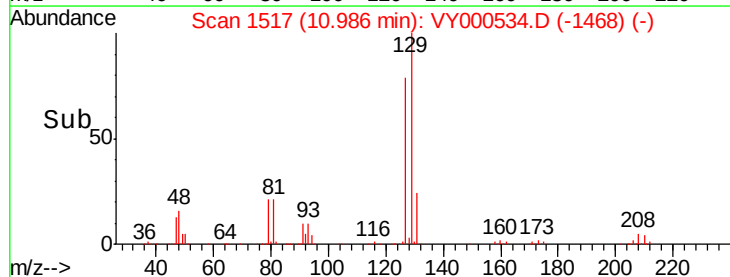
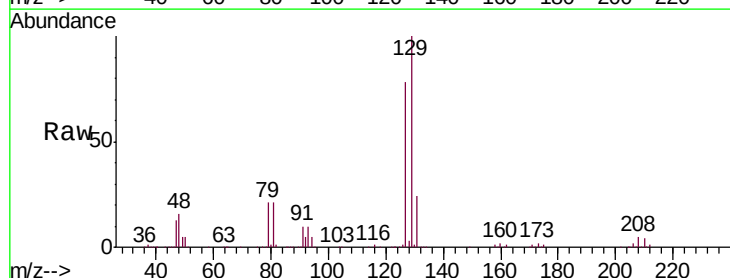
Acq: 05 Nov 2019 11:11

Tgt Ion: 129 Resp: 563165

Ion Ratio Lower Upper

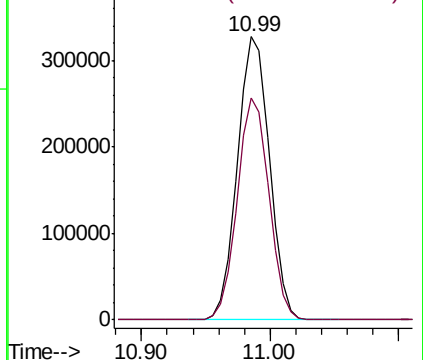
129 100

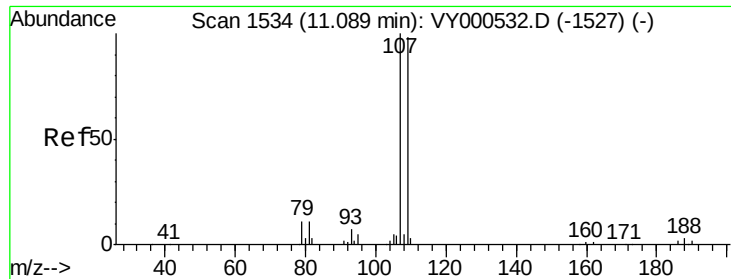
127 78.4 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VY000532.D (-1509) (-)

Ion 127.00 (126.70 to 127.70): VY000532.D (-1509) (-)

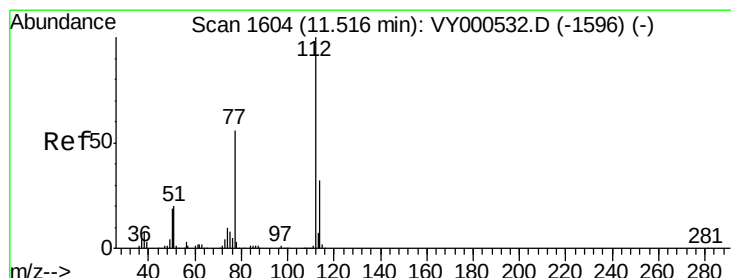
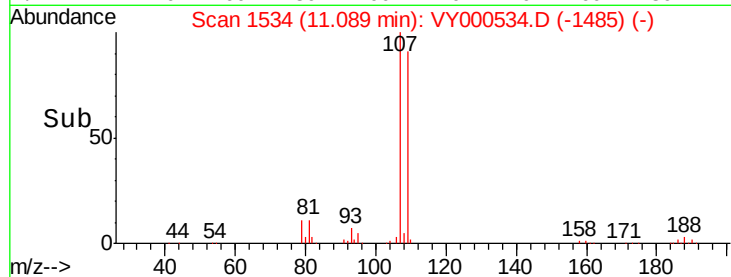
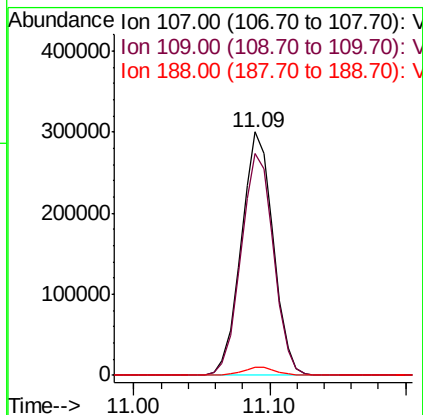
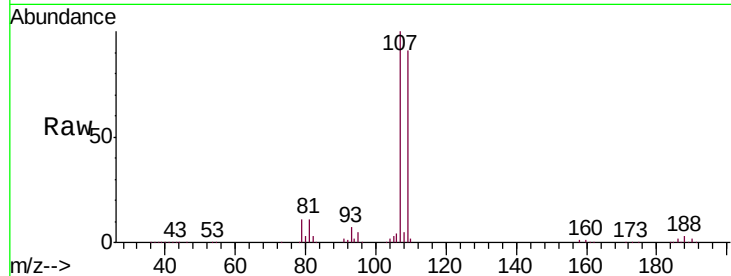




#50
1,2-Dibromoethane
Concen: 96.234 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

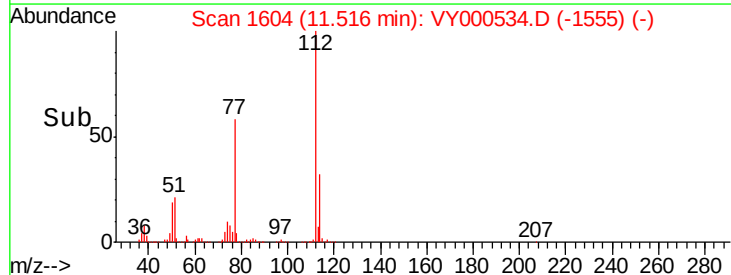
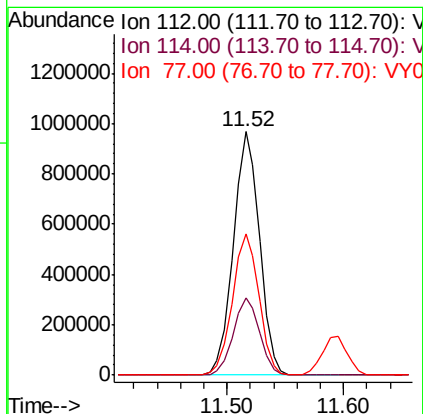
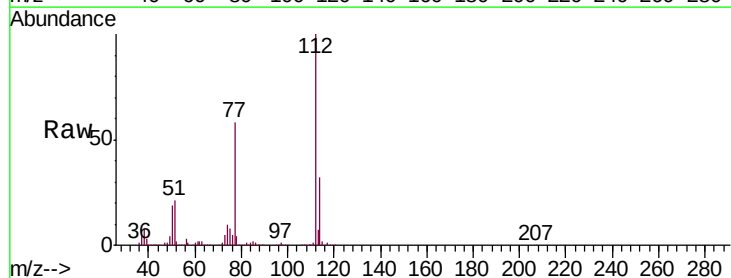
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100811

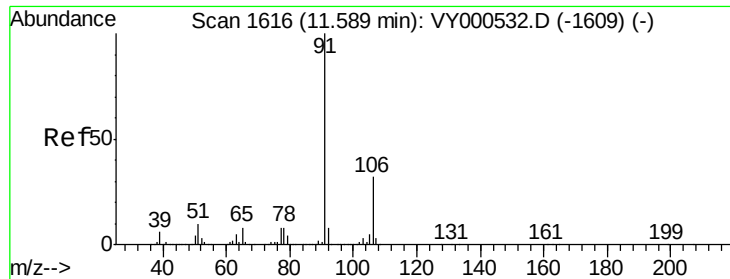
Tgt Ion:107 Resp: 490902
Ion Ratio Lower Upper
107 100
109 91.2 68.3 126.9
188 3.4 2.2 3.2#



#51
Chlorobenzene
Concen: 95.269 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

Tgt Ion:112 Resp: 1513431
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 58.0 45.3 67.9





#52

Ethylbenzene

Concen: 97.851 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

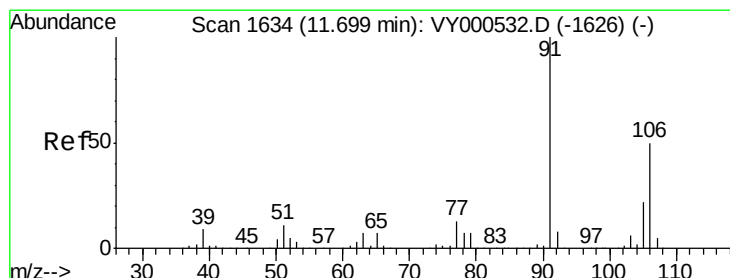
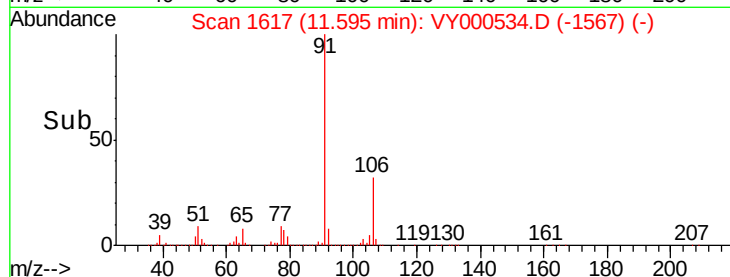
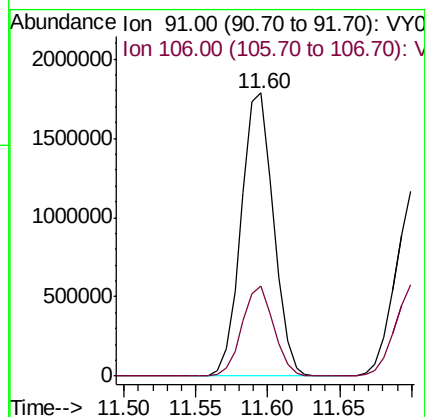
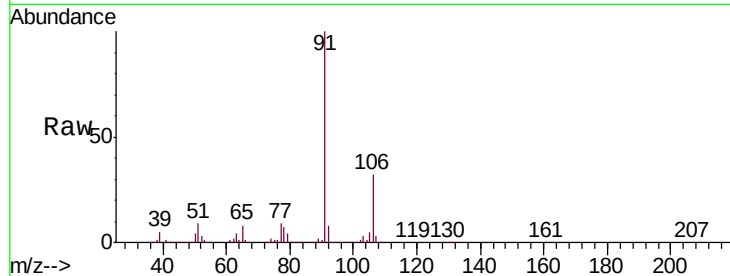
VSTD100811

Tgt Ion: 91 Resp: 2776227

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-Xylene

Concen: 98.718 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000534.D

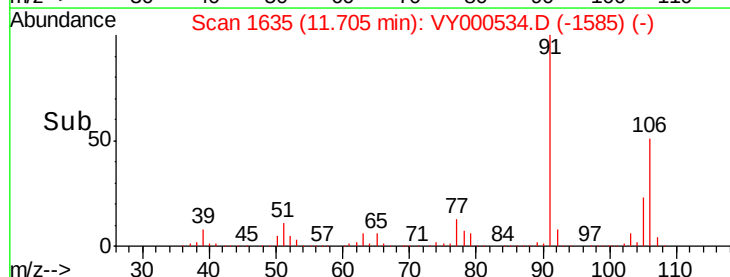
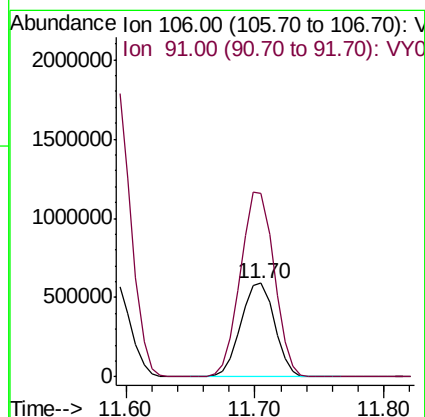
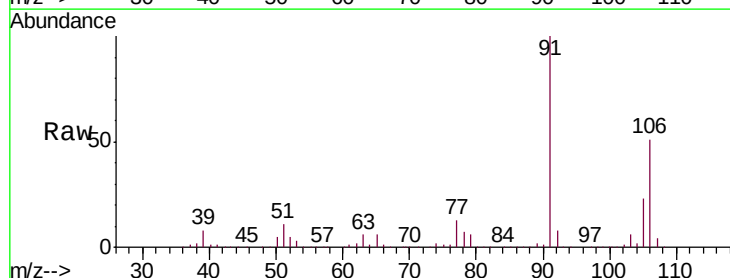
Acq: 05 Nov 2019 11:11

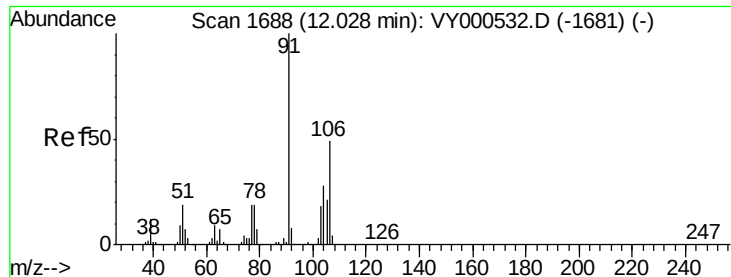
Tgt Ion: 106 Resp: 1073247

Ion Ratio Lower Upper

106 100

91 196.5 138.8 257.8

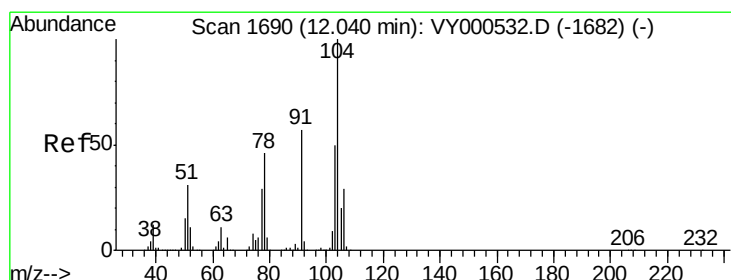
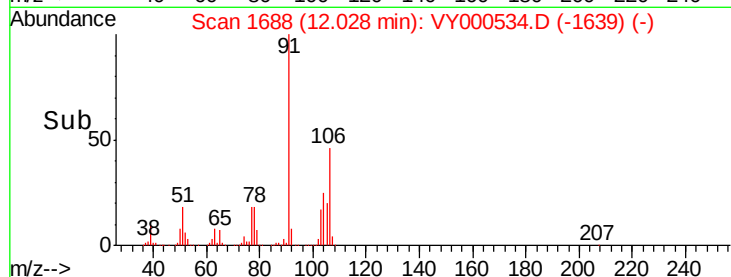
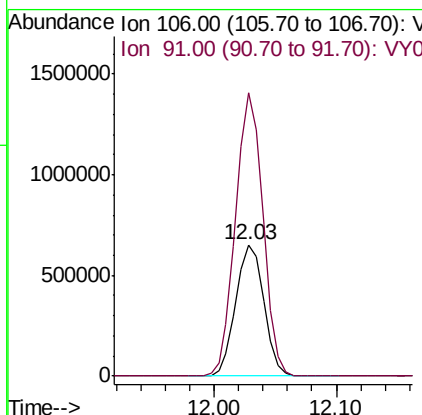
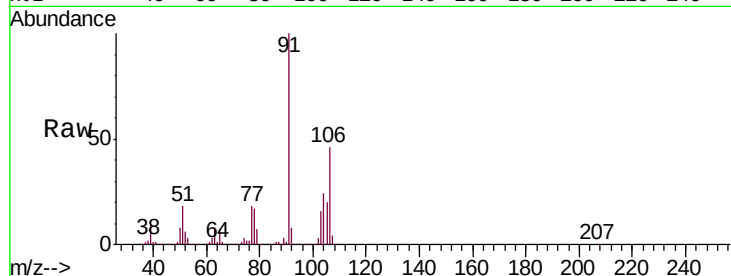




#54
o-Xylene
Concen: 98.055 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

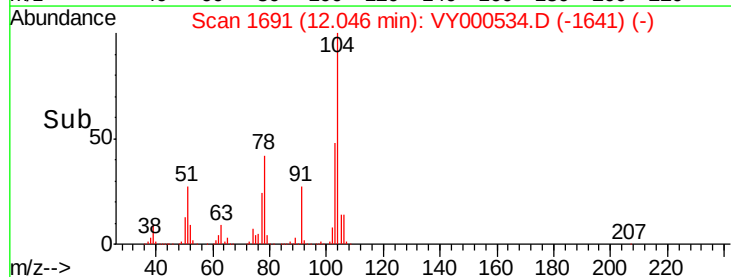
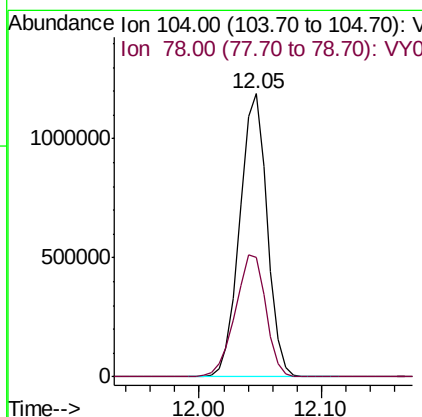
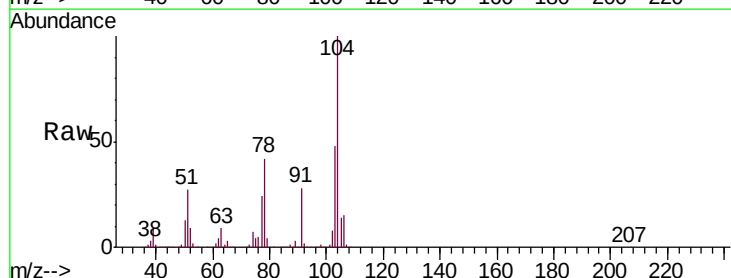
Instrument :
MSVOA_Y
ClientSampleId :
VSTD100811

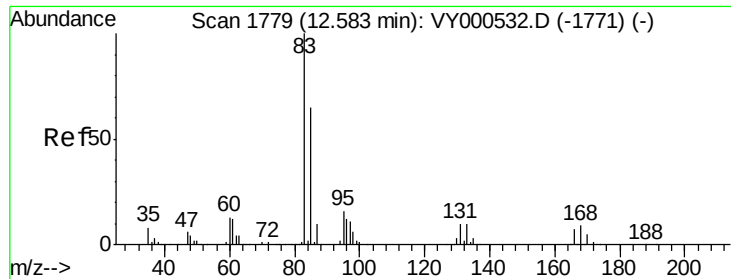
Tgt Ion:106 Resp: 1035357
Ion Ratio Lower Upper
106 100
91 215.6 143.6 266.6



#55
Styrene
Concen: 103.098 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000534.D
Acq: 05 Nov 2019 11:11

Tgt Ion:104 Resp: 1840960
Ion Ratio Lower Upper
104 100
78 42.2 32.3 60.1

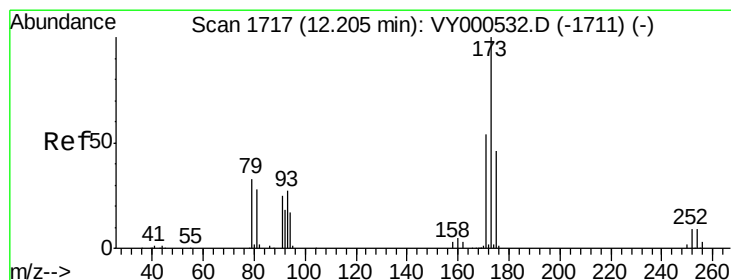
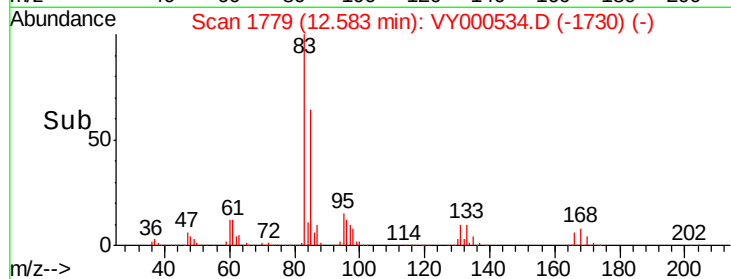
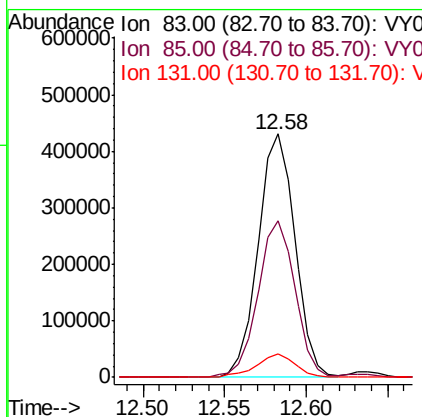
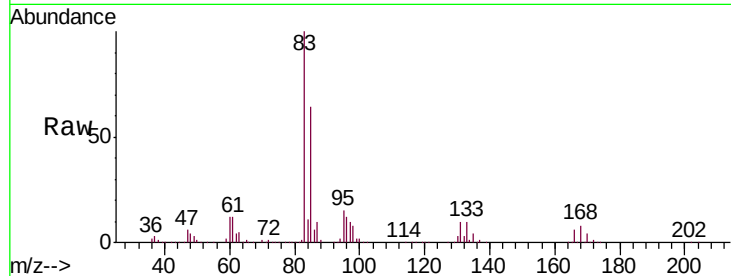




#57
 1,1,2,2-Tetrachloroethane
 Concen: 99.123 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

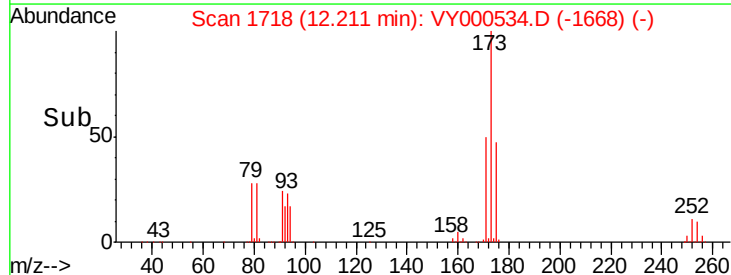
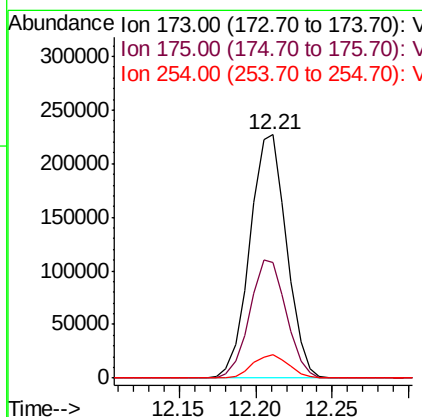
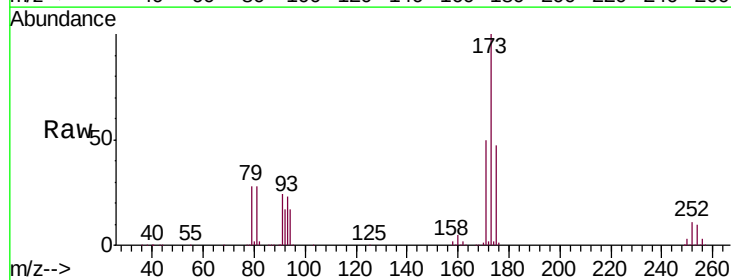
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

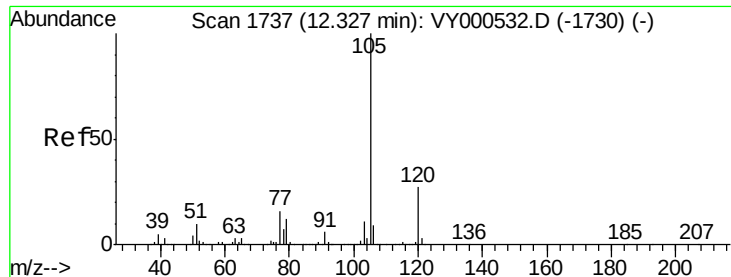
Tgt Ion: 83 Resp: 677711
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.2
 131 9.8 7.9 11.9



#59
 Bromoform
 Concen: 103.953 ug/L
 RT: 12.21 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 173 Resp: 379336
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.2
 254 9.5 7.8 11.8





#60

Isopropylbenzene

Concen: 99.913 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100811

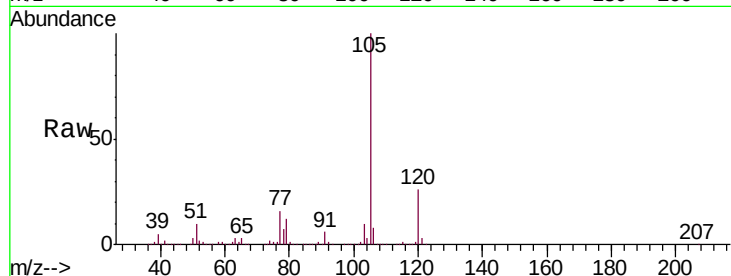
Tgt Ion: 105 Resp: 2737139

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.8

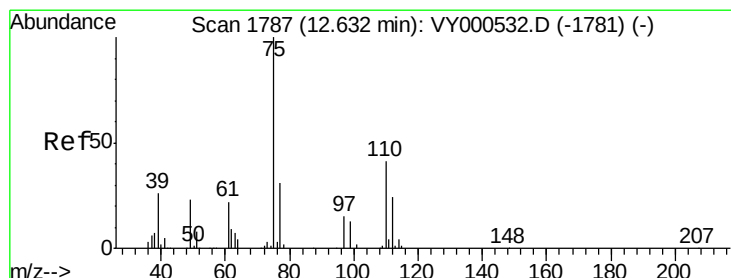
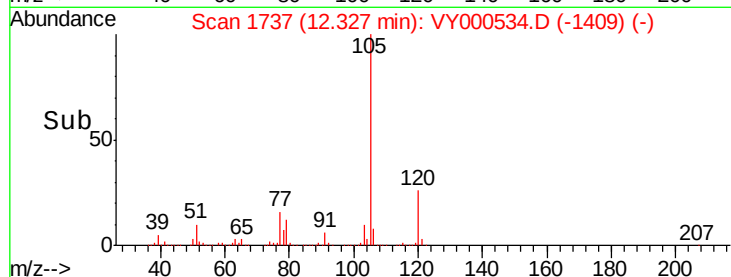
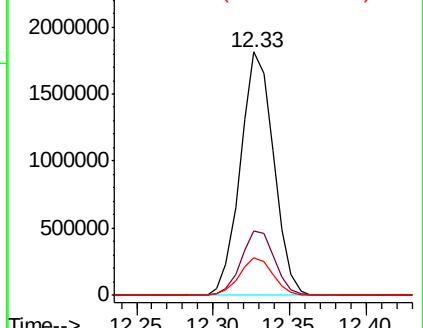
77 15.4 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000534.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000534.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000534.D (-1730) (-)



#61

1,2,3-Trichloropropane

Concen: 98.019 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

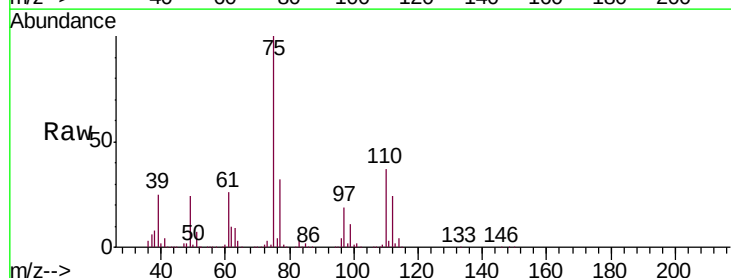
Tgt Ion: 75 Resp: 534012

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

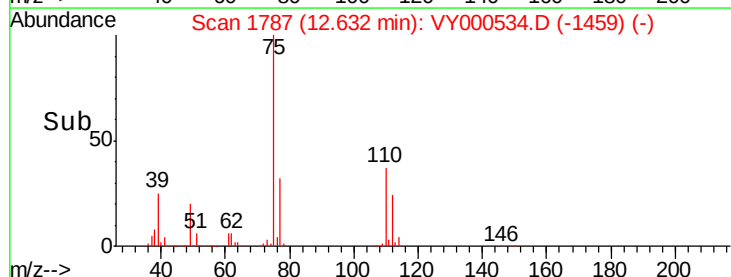
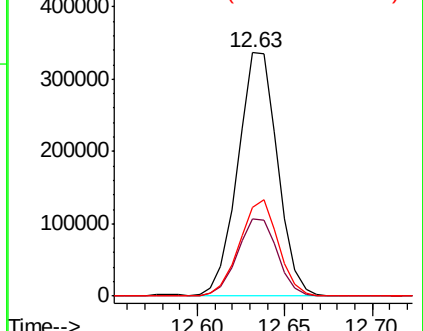
110 38.6 33.0 49.4

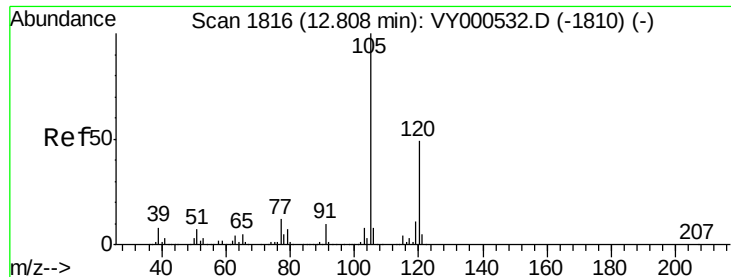


Abundance Ion 75.00 (74.70 to 75.70): VY000534.D (-1781) (-)

Ion 77.00 (76.70 to 77.70): VY000534.D (-1781) (-)

Ion 110.00 (109.70 to 110.70): VY000534.D (-1781) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.288 ug/L

RT: 12.74 min Scan# 1804

Delta R.T. -0.07 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

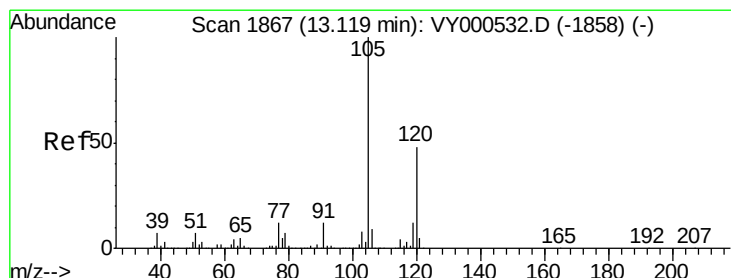
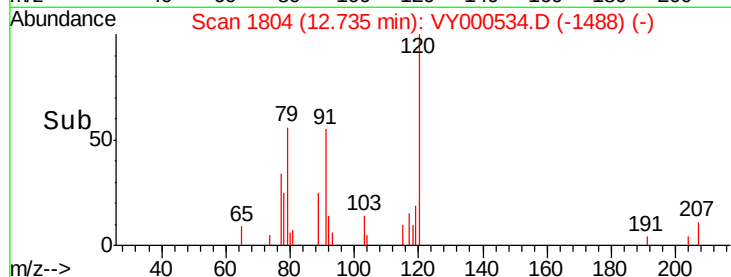
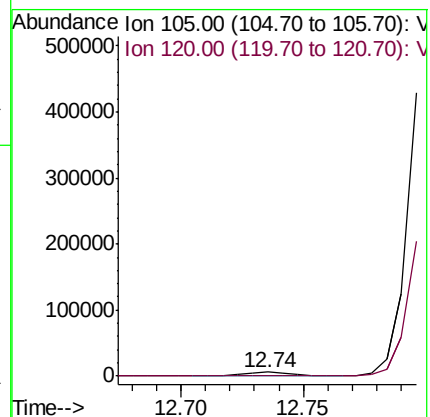
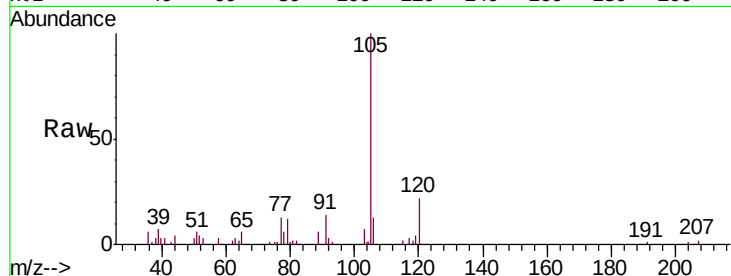
VSTD100811

Tgt Ion:105 Resp: 7632

Ion Ratio Lower Upper

105 100

120 32.7 25.9 38.9



#63

1,2,4-Trimethylbenzene

Concen: 96.709 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000534.D

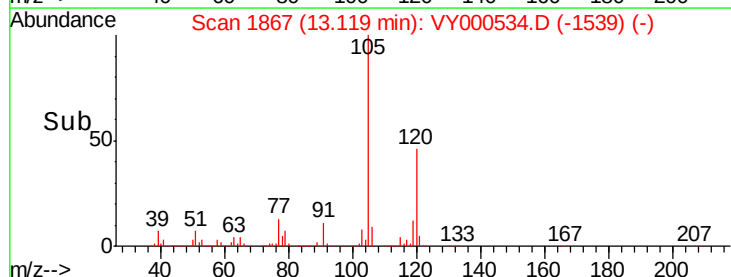
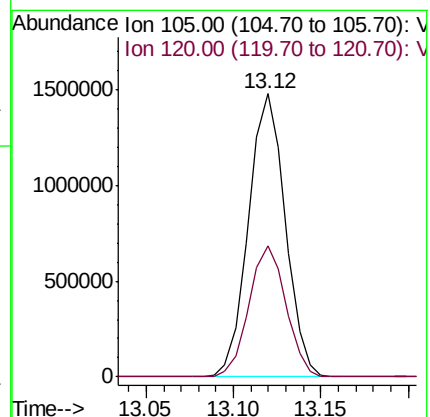
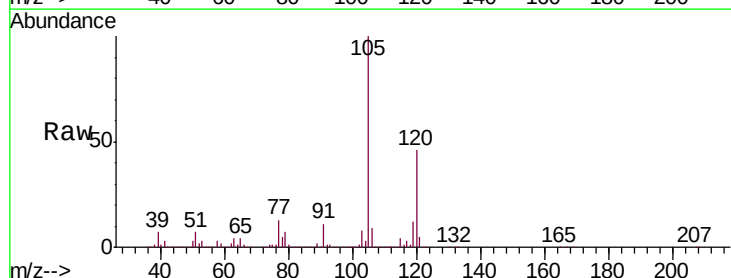
Acq: 05 Nov 2019 11:11

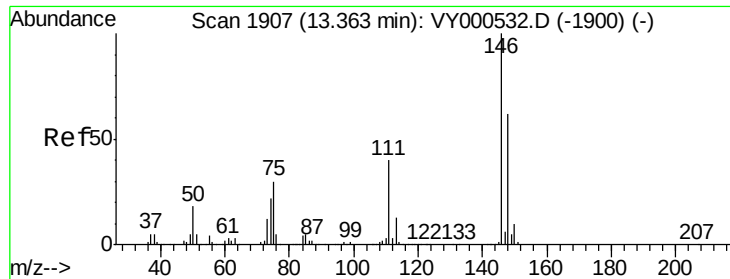
Tgt Ion:105 Resp: 2163195

Ion Ratio Lower Upper

105 100

120 46.4 40.3 60.5

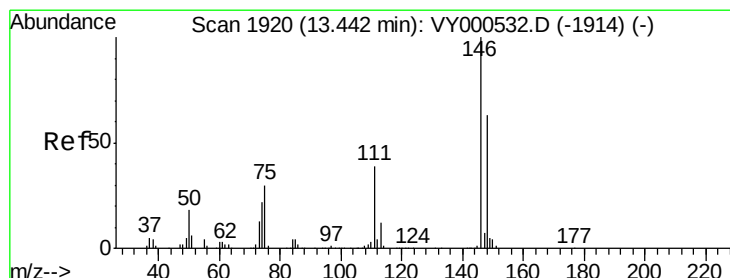
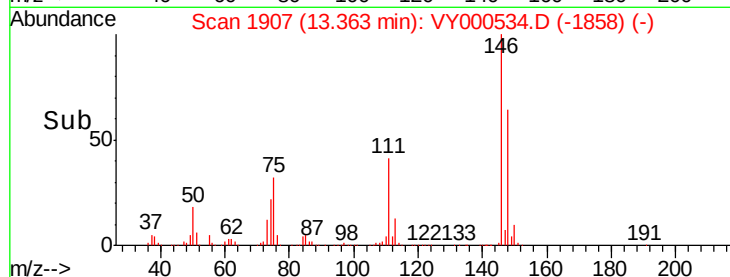
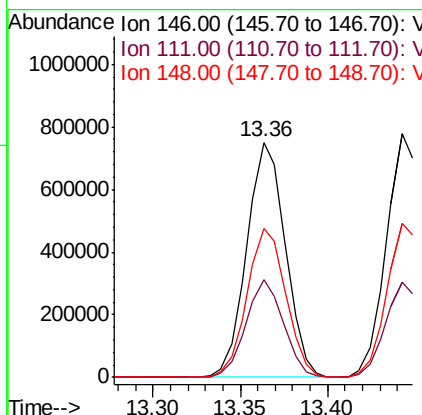
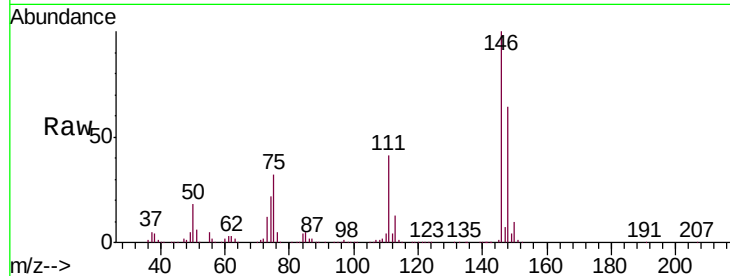




#64
 1,3-Dichlorobenzene
 Concen: 93.756 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

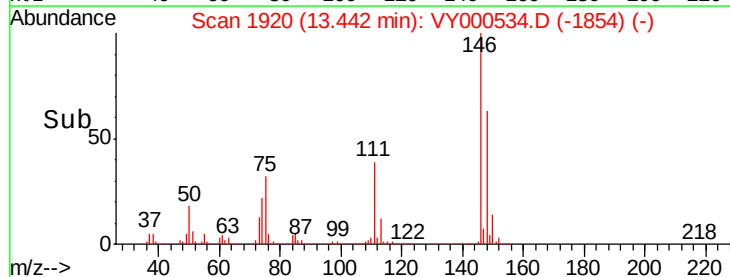
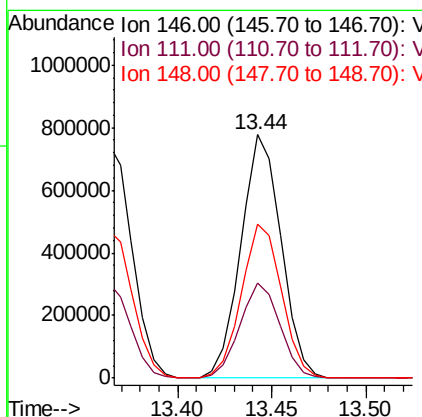
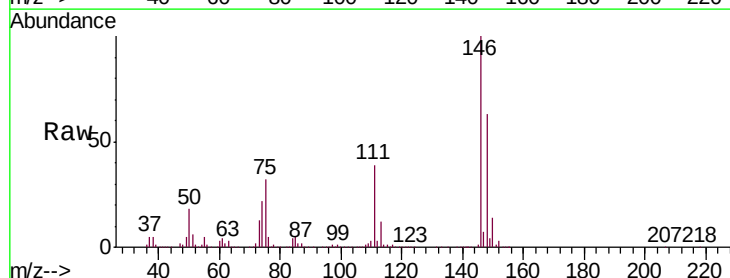
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

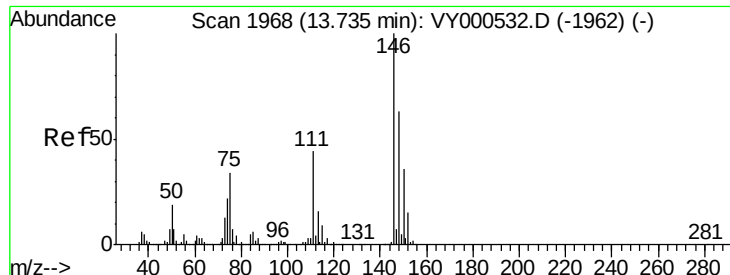
Tgt Ion:146 Resp: 1151337
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.9 51.7
 148 63.7 43.5 80.7



#65
 1,4-Dichlorobenzene
 Concen: 93.096 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion:146 Resp: 1150301
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 50.8
 148 63.4 44.4 82.5

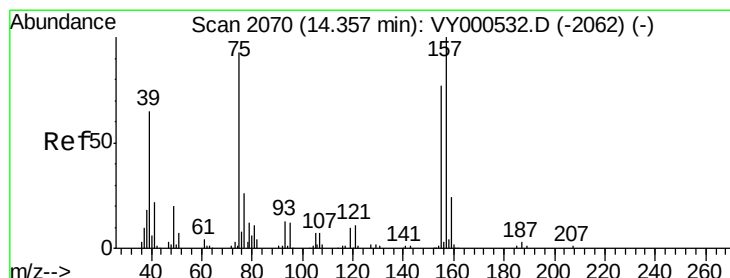
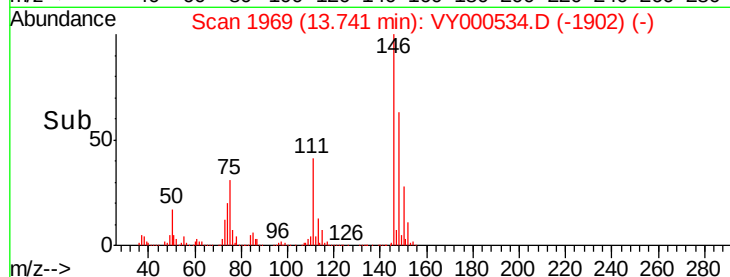
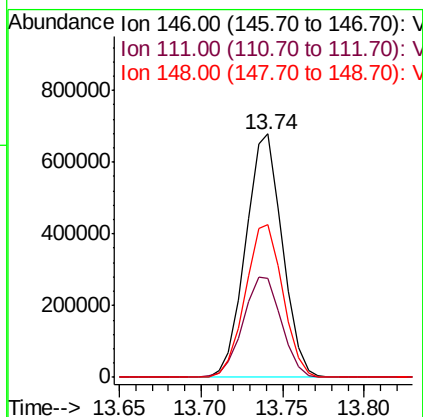
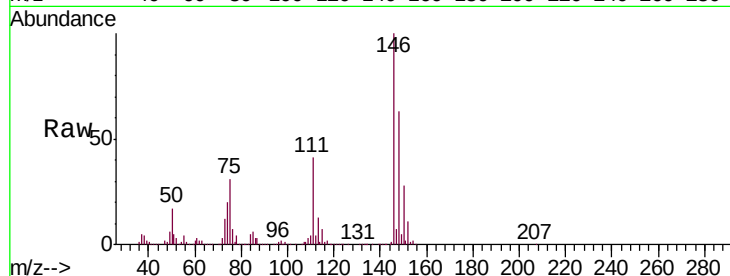




#67
 1,2-Dichlorobenzene
 Concen: 92.305 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

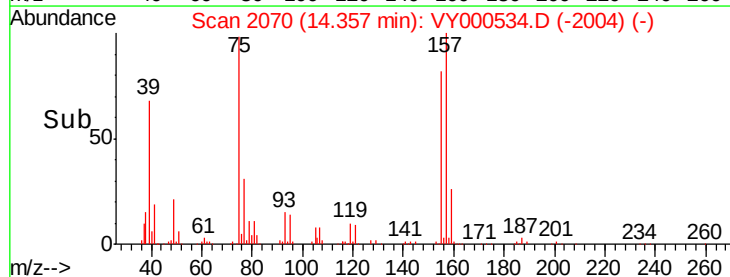
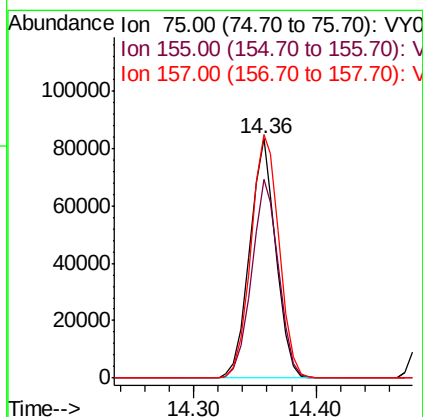
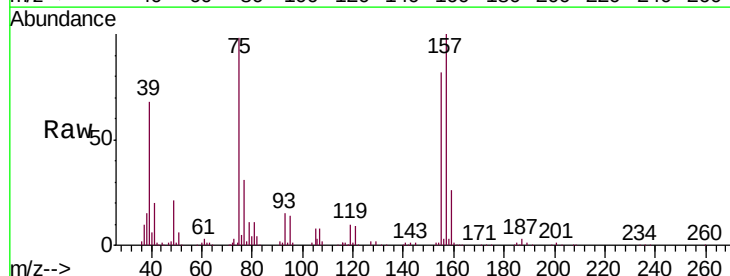
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

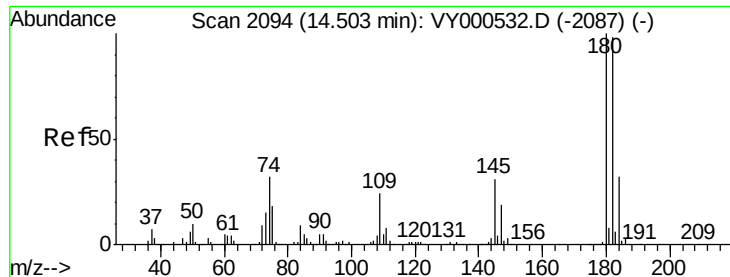
Tgt Ion:146 Resp: 1061613
 Ion Ratio Lower Upper
 146 100
 111 40.9 35.6 53.4
 148 63.0 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 98.222 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion: 75 Resp: 123874
 Ion Ratio Lower Upper
 75 100
 155 83.2 66.3 99.5
 157 101.8 86.4 129.6

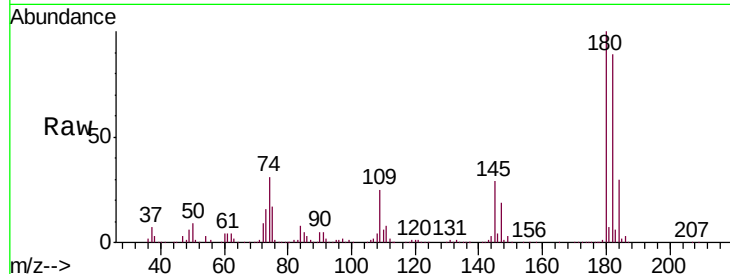




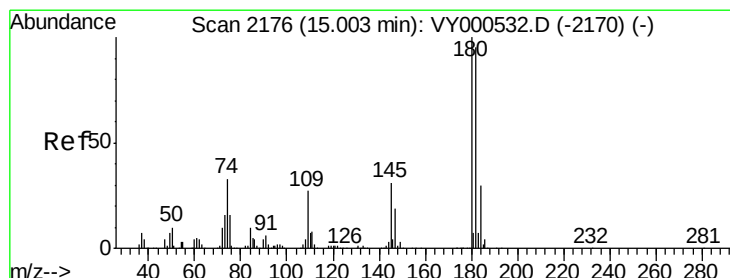
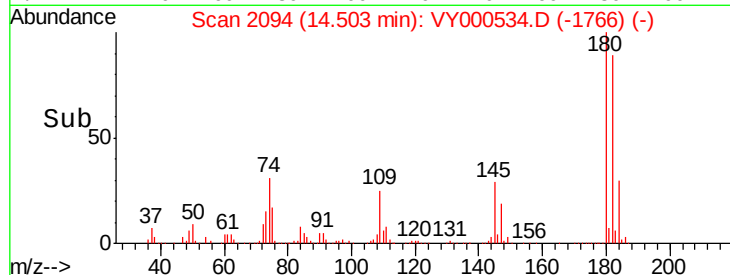
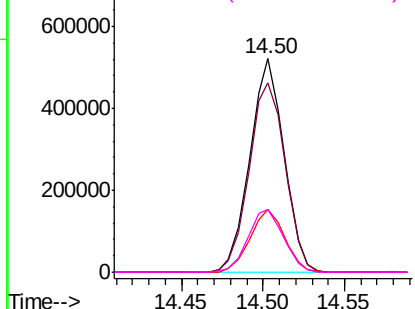
#69
 1,3,5-Trichlorobenzene
 Concen: 89.833 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD100811

Tgt Ion:	180	Resp:	761462
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.1	114.1
184	29.9	24.5	36.7
145	30.5	24.0	36.0

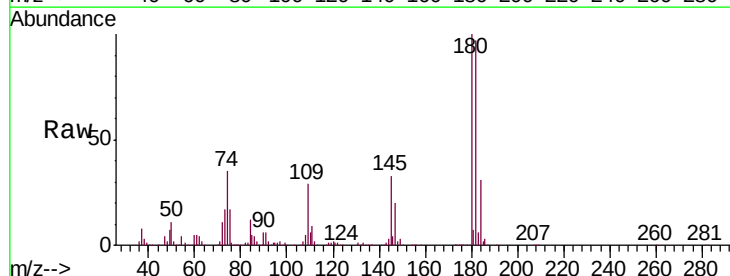


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

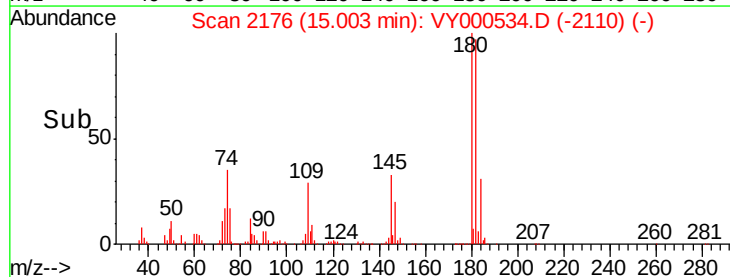
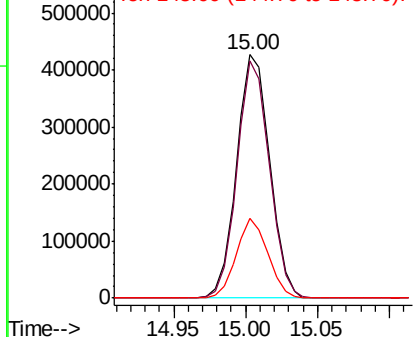


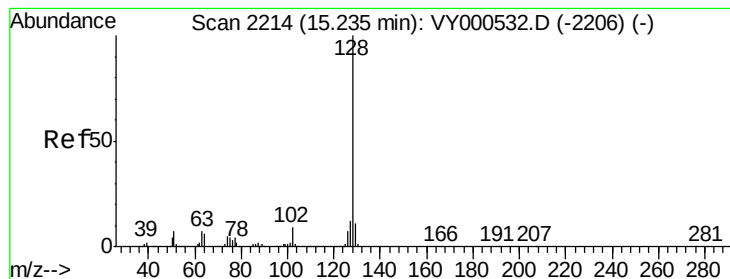
#70
 1,2,4-trichlorobenzene
 Concen: 88.269 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000534.D
 Acq: 05 Nov 2019 11:11

Tgt Ion:	180	Resp:	681479
Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.6	112.0
145	31.2	24.9	37.3



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





#71

Naphthalene

Concen: 99.291 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD100811

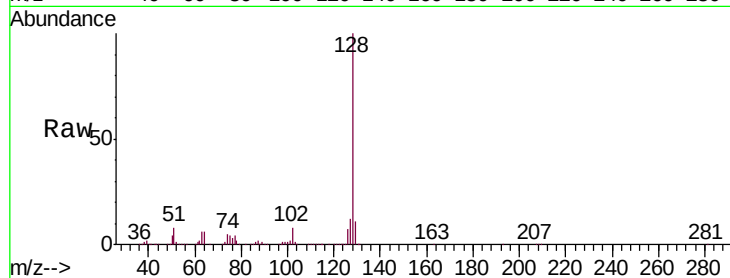
Tgt Ion:128 Resp: 2002646

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

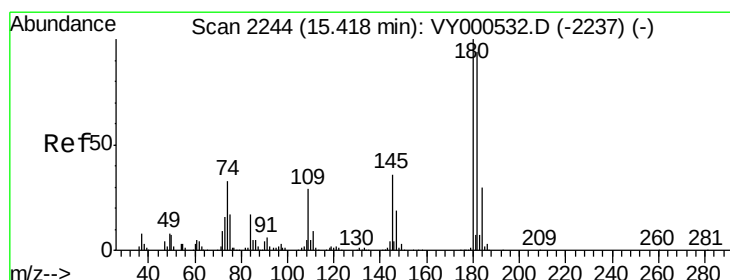
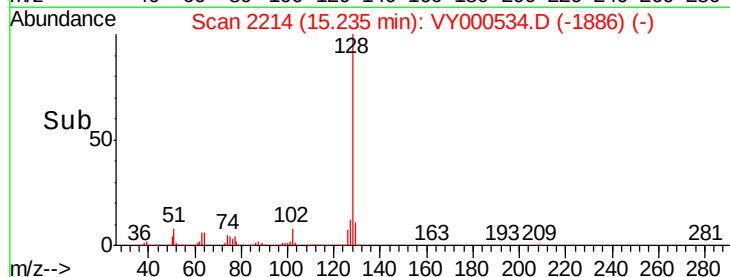
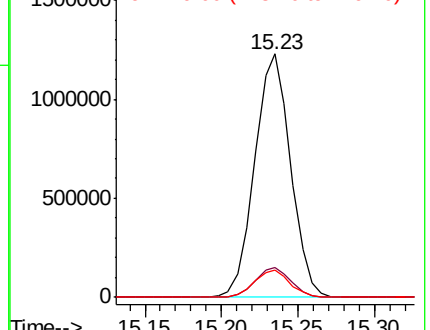
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 90.915 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000534.D

Acq: 05 Nov 2019 11:11

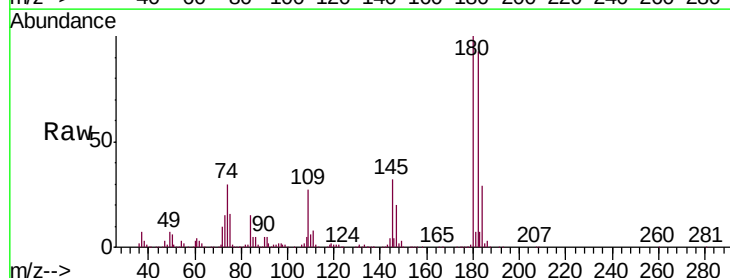
Tgt Ion:180 Resp: 650257

Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.4

145 32.6 26.5 39.7



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

