

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000687.D
 Acq On : 14 Nov 2019 21:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

Quant Time: Nov 15 10:16:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:12:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	374888	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	343955	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	165987	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	132797	45.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.18%
7) Chloroethane-d5	2.76	69	117051	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.42%
11) 1,1-Dichloroethene-d2	3.85	63	238567	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
21) 2-Butanone-d5	6.91	46	129882	111.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.81%
24) Chloroform-d	7.49	84	234549	55.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.54%
26) 1,2-Dichloroethane-d4	8.16	65	151680	50.66	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
32) Benzene-d6	8.12	84	472260	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	9.13	67	154172	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.90%
41) Toluene-d8	10.18	98	429246	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	10.44	79	77951	52.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.00%
47) 2-Hexanone-d5	10.79	63	99508	113.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.74%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	187590	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	160241	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	91804	42.884	ug/L 97
3) Chloromethane	2.12	50	142688	50.118	ug/L 99
5) Vinyl chloride	2.25	62	137982	48.336	ug/L 99
6) Bromomethane	2.66	94	83731	51.021	ug/L 98
8) Chloroethane	2.80	64	90795	50.677	ug/L 99
9) Trichlorofluoromethane	3.13	101	189422	44.947	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	94386	40.133	ug/L 99
12) 1,1-Dichloroethene	3.87	96	109608	46.579	ug/L # 80
13) Acetone	3.96	43	88295	105.575	ug/L 97
14) Carbon disulfide	4.19	76	303309	46.729	ug/L 99
15) Methyl Acetate	4.49	43	105017	49.963	ug/L 100
16) Methylene chloride	4.72	84	128481	51.065	ug/L 97
17) trans-1,2-Dichloroethene	5.22	96	118274	48.134	ug/L 97
18) Methyl tert-butyl Ether	5.24	73	390776	52.832	ug/L 99
19) 1,1-Dichloroethane	6.03	63	225134	50.973	ug/L 95
20) cis-1,2-Dichloroethene	7.00	96	135133	49.066	ug/L 92
22) 2-Butanone	7.00	43	138644	105.355	ug/L 100

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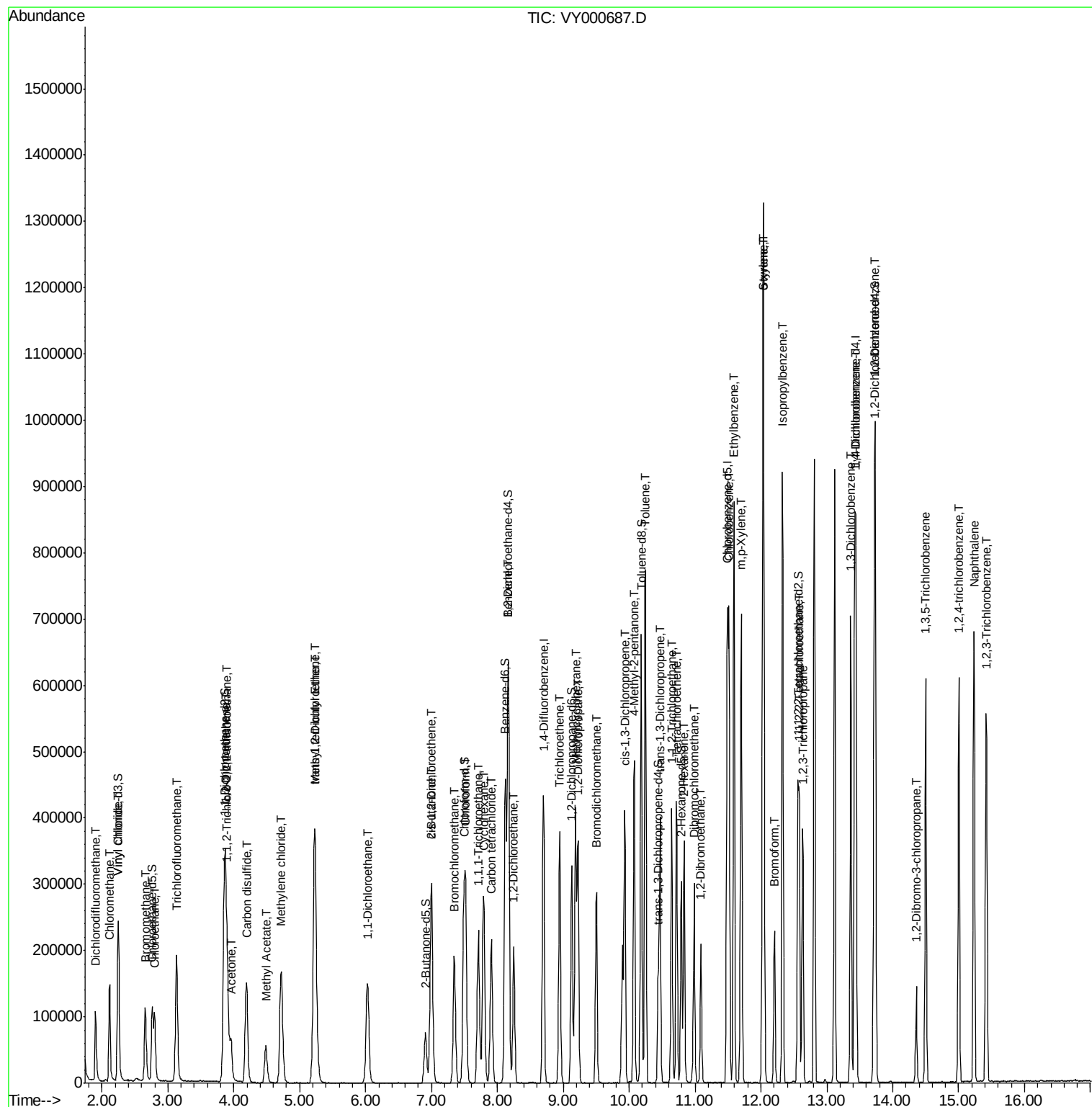
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	64879	51.101	ug/L	94
25) Chloroform	7.52	83	233020	46.080	ug/L	98
27) 1,2-Dichloroethane	8.25	62	179948	52.111	ug/L	100
29) Cyclohexane	7.79	56	161628	40.259	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	189876	50.537	ug/L	97
31) Carbon tetrachloride	7.91	117	158660	47.165	ug/L	99
33) Benzene	8.17	78	515714	50.334	ug/L	100
34) Trichloroethene	8.94	95	124761	48.495	ug/L	98
35) Methylcyclohexane	9.19	83	166166	39.125	ug/L	98
37) 1,2-Dichloropropane	9.22	63	134541	52.937	ug/L	99
38) Bromodichloromethane	9.50	83	180126	52.757	ug/L	91
39) cis-1,3-Dichloropropene	9.93	75	220979	51.171	ug/L	100
40) 4-Methyl-2-pentanone	10.08	43	313516	107.530	ug/L	99
42) Toluene	10.25	91	540626	49.850	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	199936	52.876	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	124281	51.540	ug/L	97
46) Tetrachloroethene	10.72	164	90807	45.619	ug/L	95
48) 2-Hexanone	10.83	43	225918	107.321	ug/L	99
49) Dibromochloromethane	10.99	129	139231	53.307	ug/L	96
50) 1,2-Dibromoethane	11.09	107	127824	52.964	ug/L	98
51) Chlorobenzene	11.52	112	344382	49.288	ug/L	99
52) Ethylbenzene	11.59	91	588294	47.533	ug/L	100
53) m,p-Xylene	11.70	106	226559	47.592	ug/L	99
54) o-xylene	12.03	106	228237	48.905	ug/L	96
55) Styrene	12.04	104	391643	49.389	ug/L	100
56) Isopropylbenzene	12.33	105	554380	46.411	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	182407	53.477	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	140878	52.201	ug/L	99
61) Bromoform	12.20	173	91180	54.258	ug/L	95
62) 1,3-Dichlorobenzene	13.36	146	258634	49.683	ug/L	99
63) 1,4-Dichlorobenzene	13.44	146	264151	49.530	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	262496	51.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	33087	53.416	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	174809	48.117	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	171983	50.461	ug/L	100
69) Naphthalene	15.23	128	535962	52.628	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	170434	51.958	ug/L	100

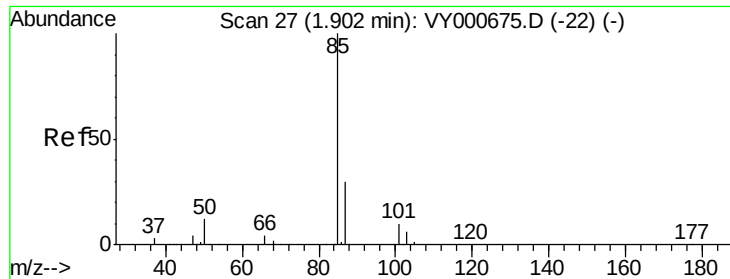
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.884 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

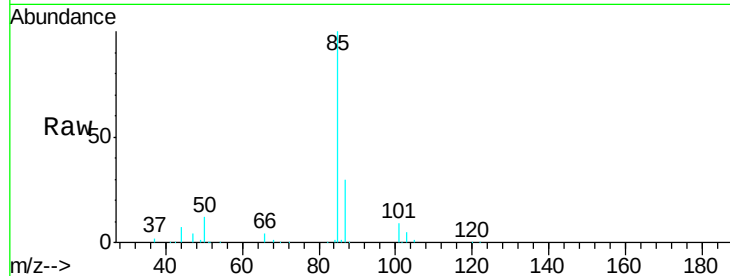
VSTD02591

Tgt Ion: 85 Resp: 91804

Ion Ratio Lower Upper

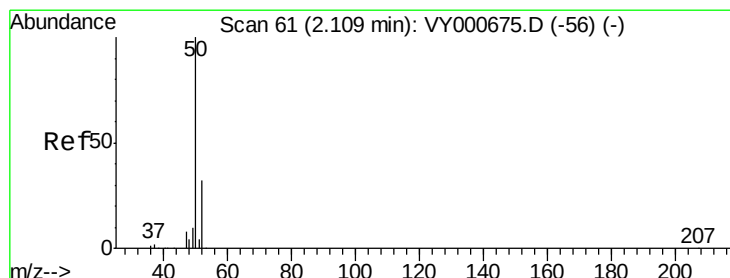
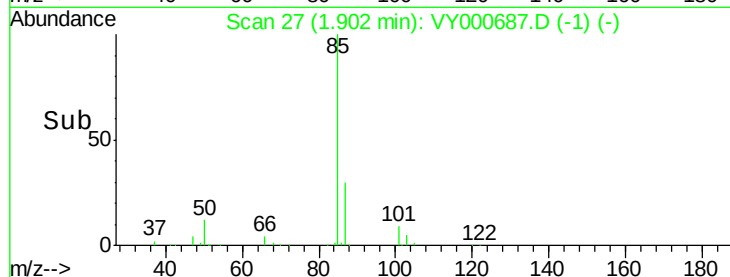
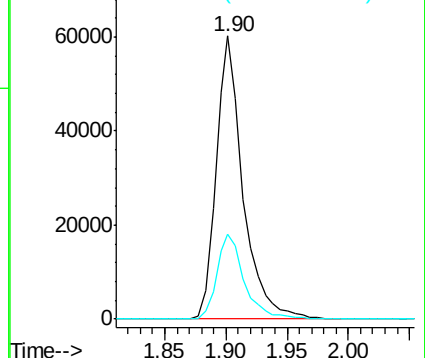
85 100

87 30.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 50.118 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000687.D

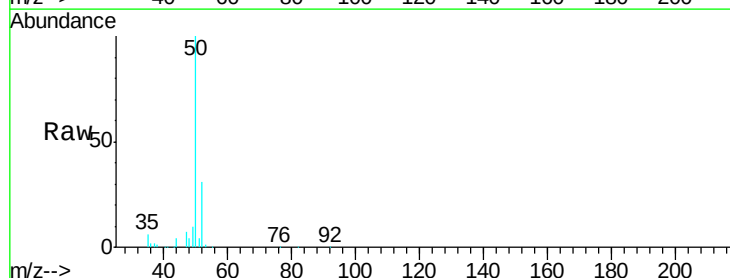
Acq: 14 Nov 2019 21:56

Tgt Ion: 50 Resp: 142688

Ion Ratio Lower Upper

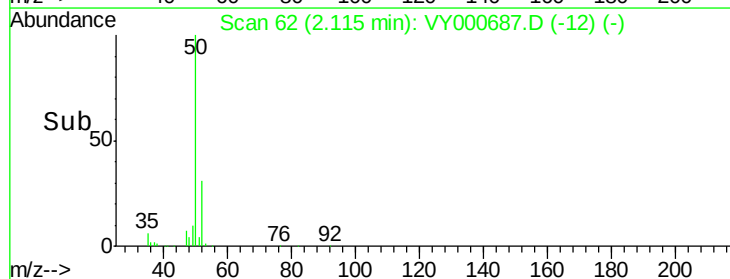
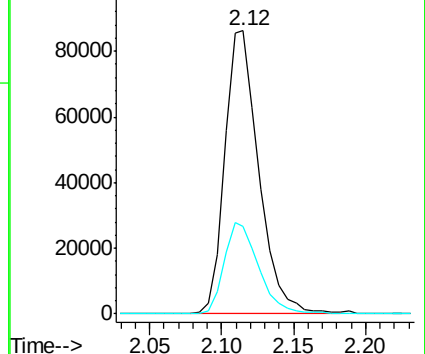
50 100

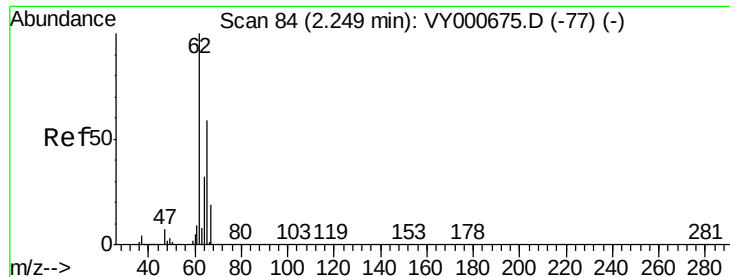
52 31.0 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 48.336 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

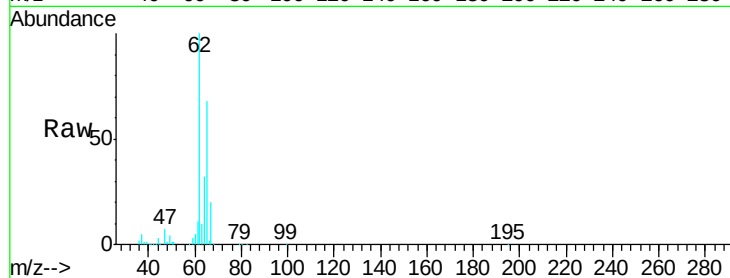
VSTD02591

Tgt Ion: 62 Resp: 137982

Ion Ratio Lower Upper

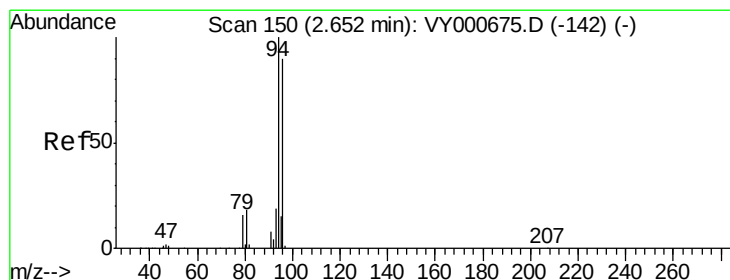
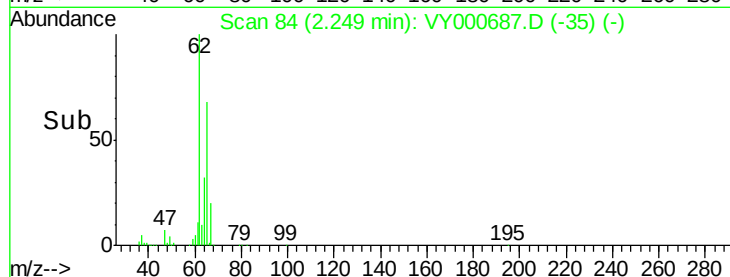
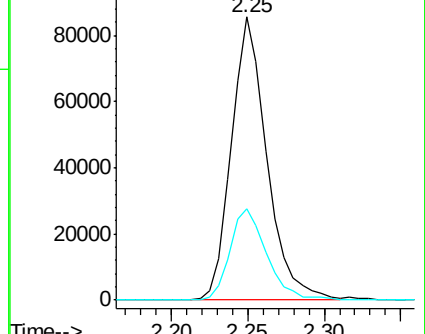
62 100

64 32.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 51.021 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000687.D

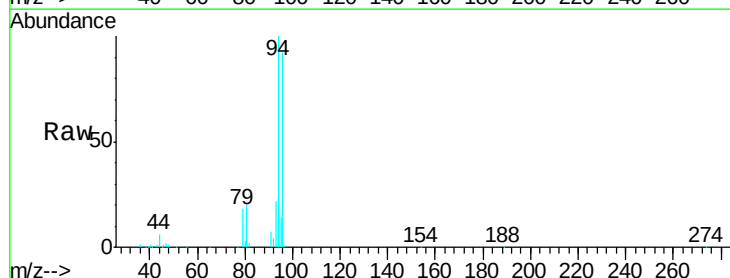
Acq: 14 Nov 2019 21:56

Tgt Ion: 94 Resp: 83731

Ion Ratio Lower Upper

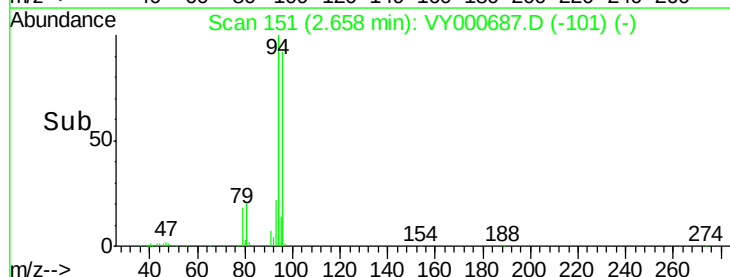
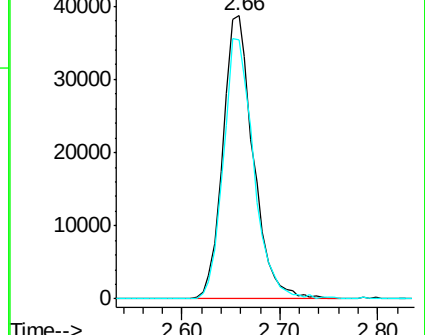
94 100

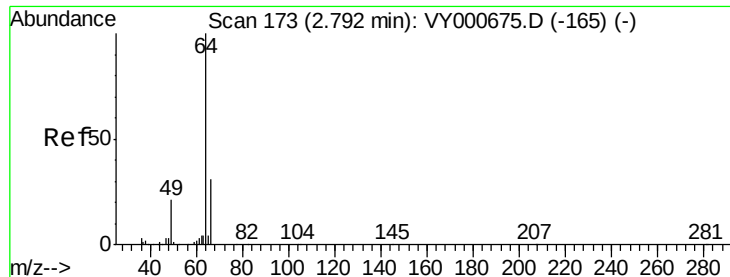
96 91.7 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

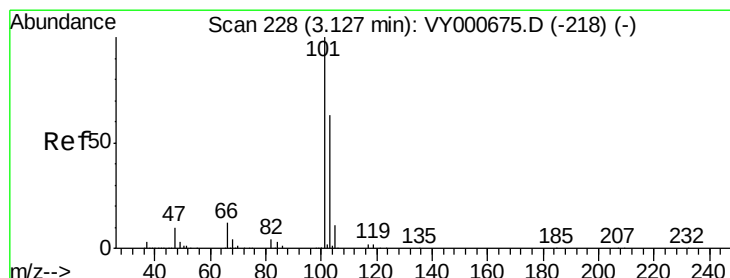
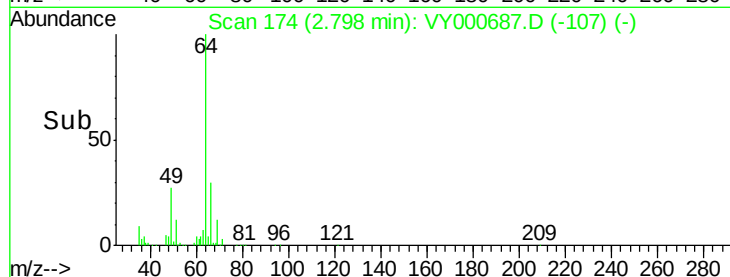
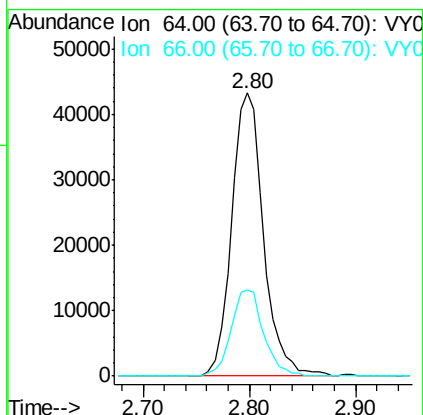
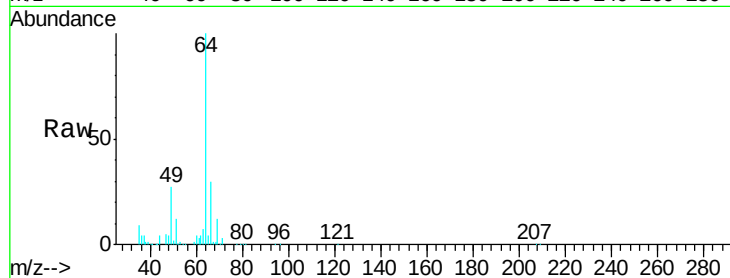




#8
Chloroethane
Concen: 50.677 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

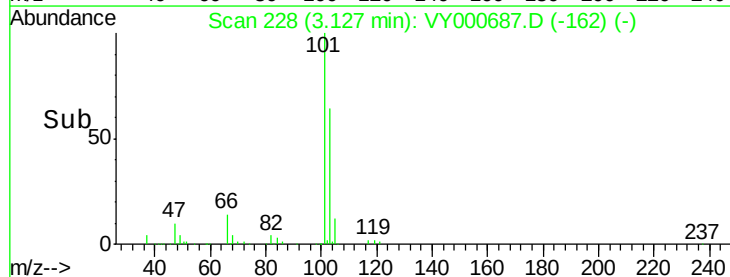
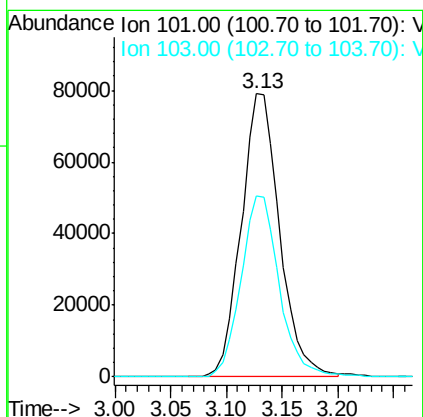
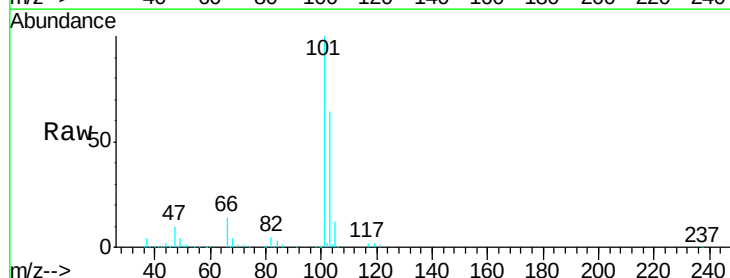
Instrument :
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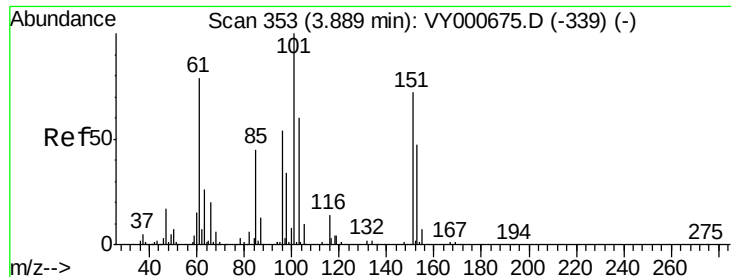
Tgt Ion: 64 Resp: 90795
Ion Ratio Lower Upper
64 100
66 30.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 44.947 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion: 101 Resp: 189422
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7





#10

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

Concen: 40.133 ug/L

RT: 3.90 min Scan# 354

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

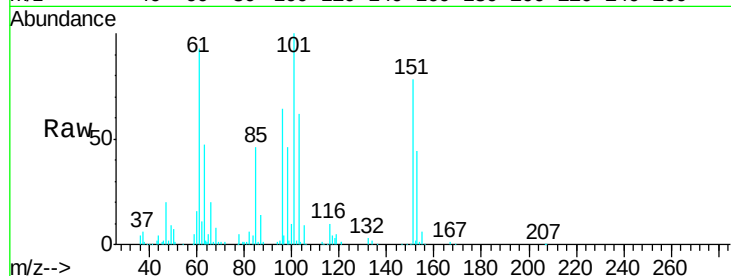
Tgt Ion: 101 Resp: 94386

Ion Ratio Lower Upper

101 100

85 45.2 35.3 52.9

151 71.9 57.7 86.5

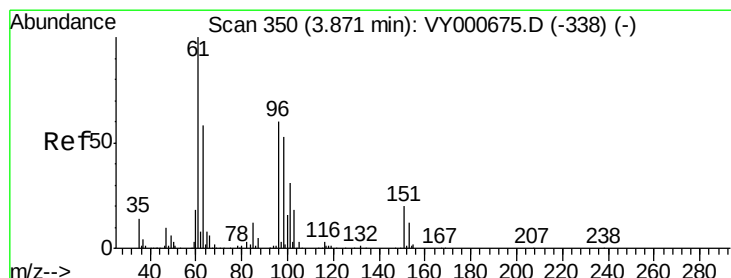
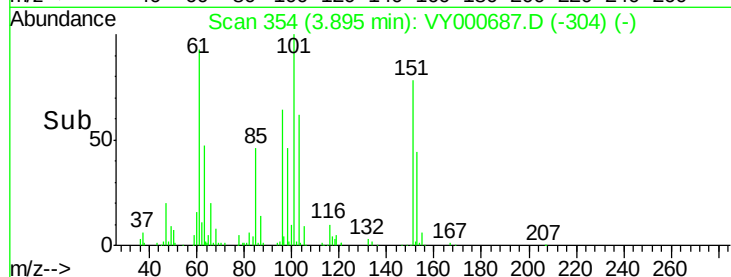
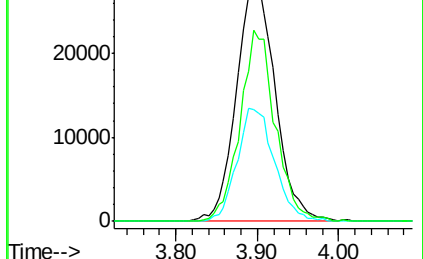


Abundance Ion 101.00 (100.70 to 101.70): VY000687.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VY000687.D (-304) (-)

Ion 151.00 (150.70 to 151.70): VY000687.D (-304) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 46.579 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

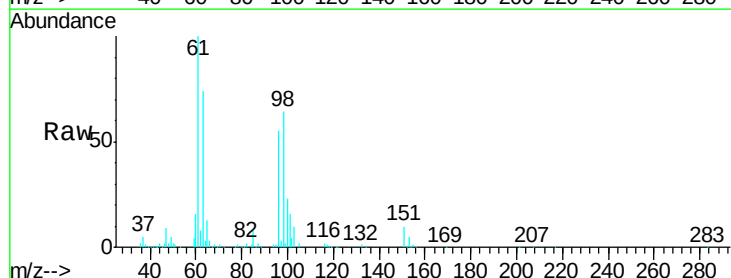
Tgt Ion: 96 Resp: 109608

Ion Ratio Lower Upper

96 100

61 182.8 117.5 218.3

63 135.3 70.1 130.3#

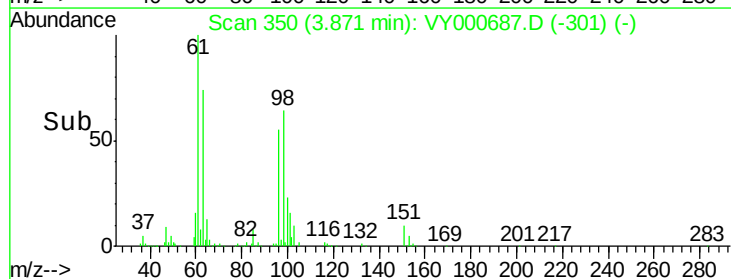
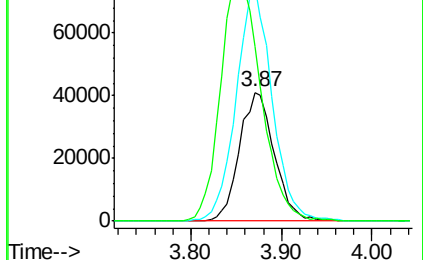


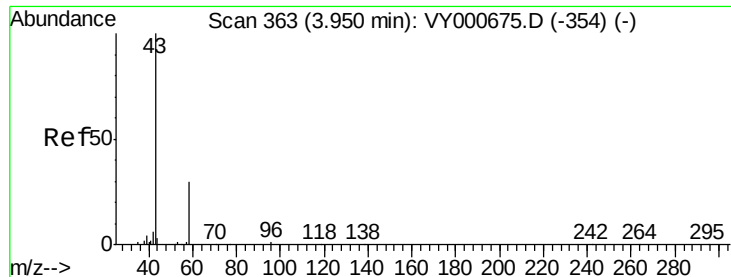
Abundance Ion 96.00 (95.70 to 96.70): VY000687.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VY000687.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VY000687.D (-301) (-)

Time-->





#13

Acetone

Concen: 105.575 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

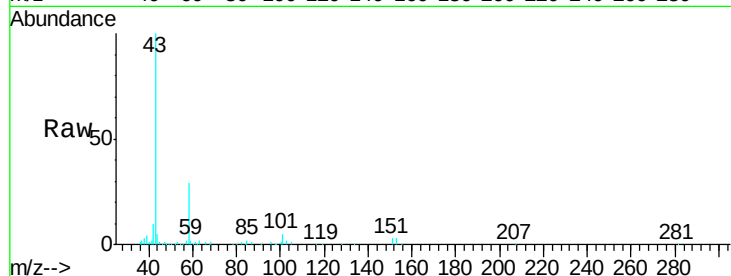
VSTD02591

Tgt Ion: 43 Resp: 88295

Ion Ratio Lower Upper

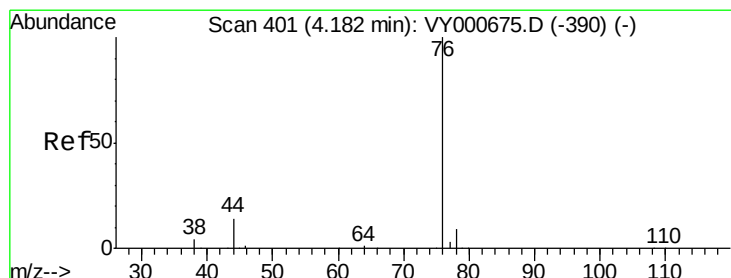
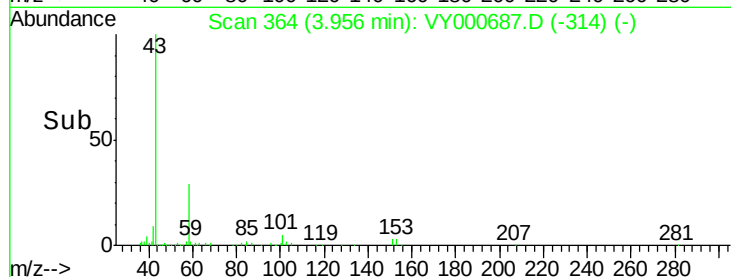
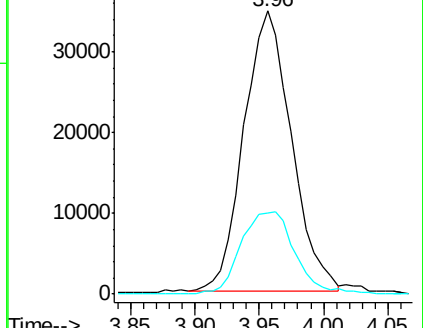
43 100

58 32.7 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY000675.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VY000675.D (-354) (-)



#14

Carbon disulfide

Concen: 46.729 ug/L

RT: 4.19 min Scan# 403

Delta R.T. 0.01 min

Lab File: VY000687.D

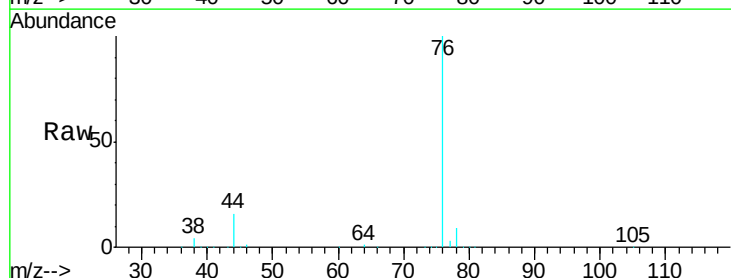
Acq: 14 Nov 2019 21:56

Tgt Ion: 76 Resp: 303309

Ion Ratio Lower Upper

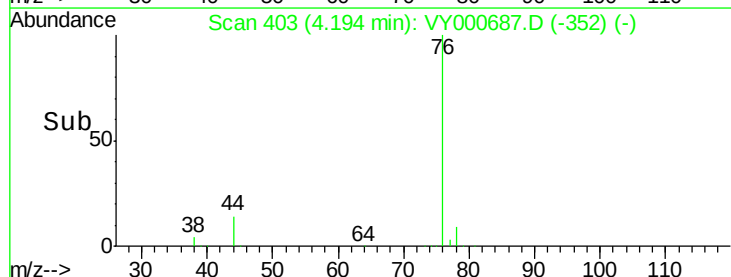
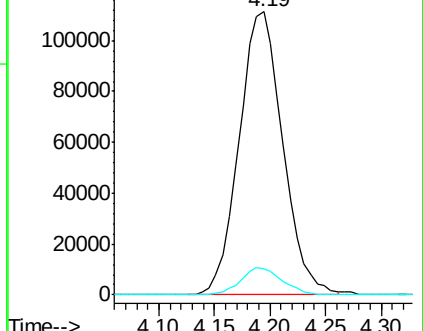
76 100

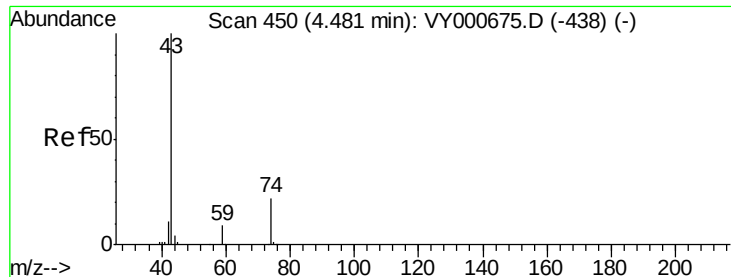
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY000675.D (-390) (-)

Ion 78.00 (77.70 to 78.70): VY000675.D (-390) (-)

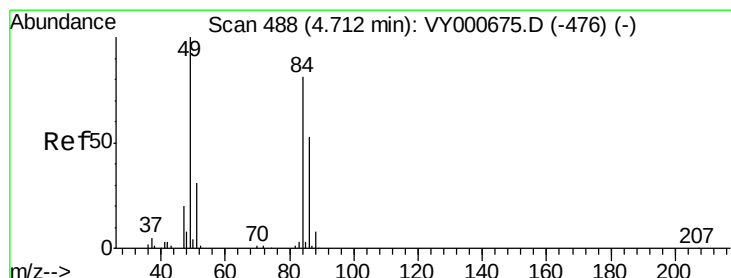
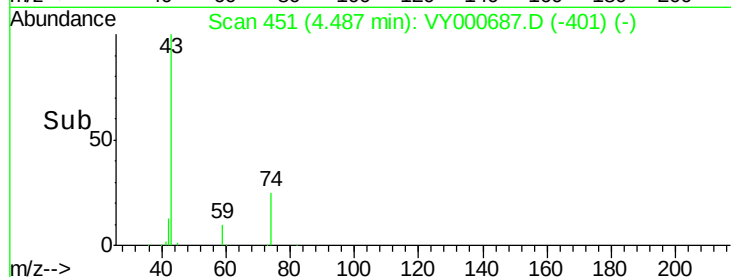
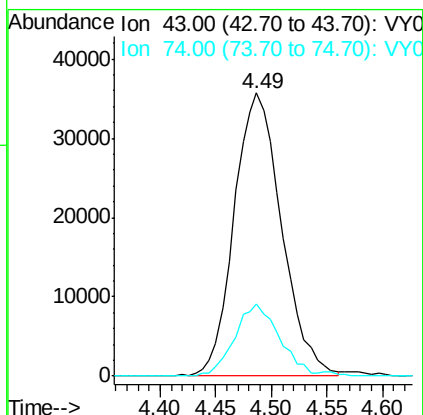
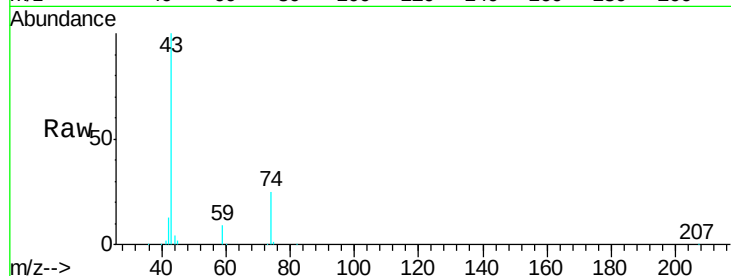




#15
Methyl Acetate
Concen: 49.963 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

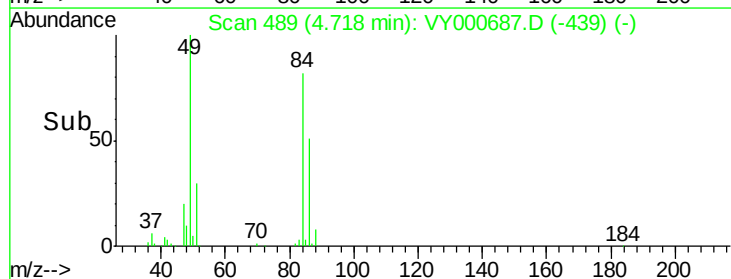
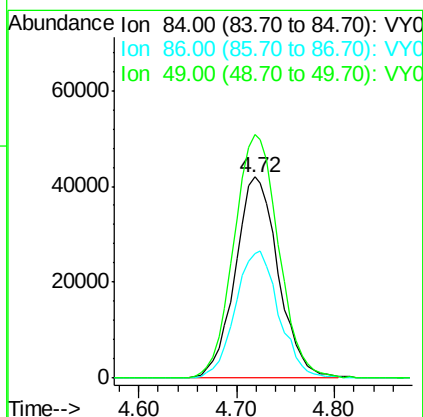
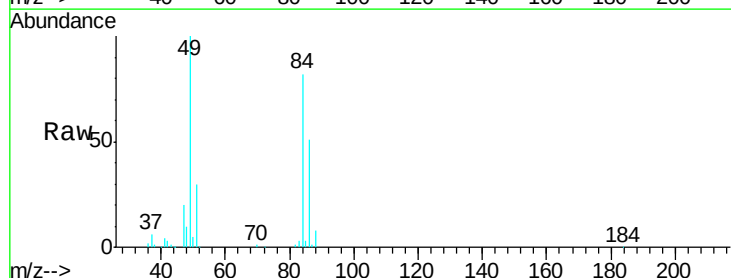
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

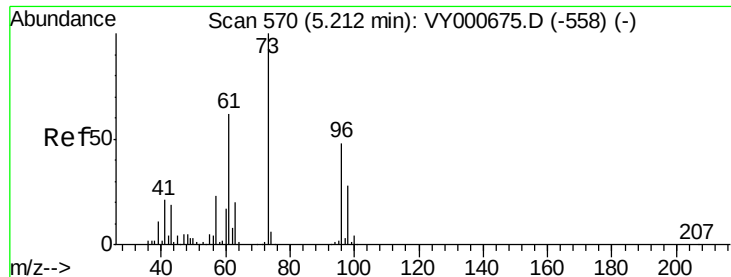
Tgt Ion: 43 Resp: 105017
Ion Ratio Lower Upper
43 100
74 24.0 19.1 28.7



#16
Methylene chloride
Concen: 51.065 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion: 84 Resp: 128481
Ion Ratio Lower Upper
84 100
86 61.8 45.9 85.3
49 121.2 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 48.134 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

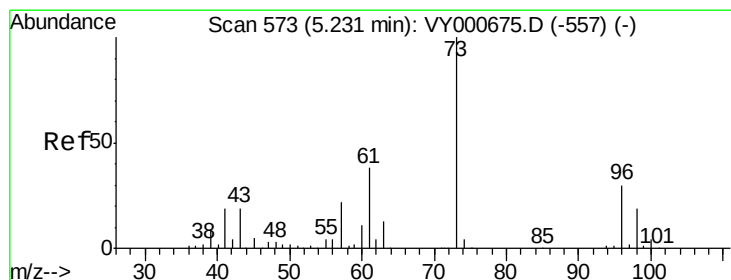
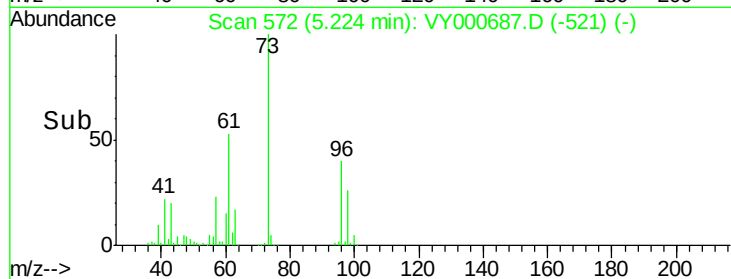
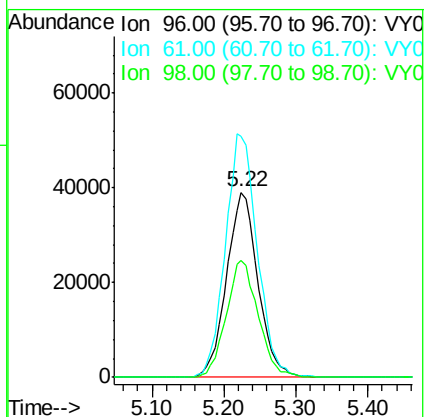
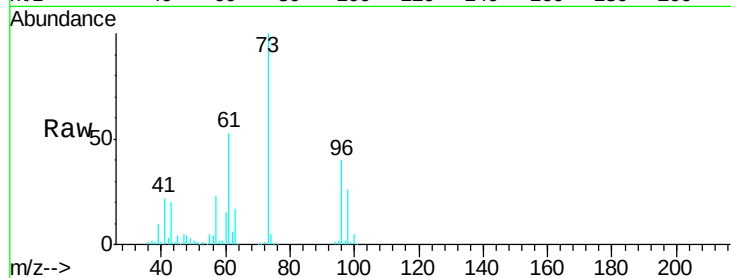
Tgt Ion: 96 Resp: 118274

Ion Ratio Lower Upper

96 100

61 130.7 90.8 168.6

98 63.3 41.0 76.2



#18

Methyl tert-butyl Ether

Concen: 52.832 ug/L

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

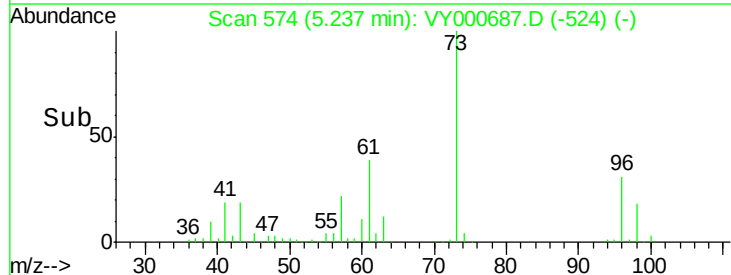
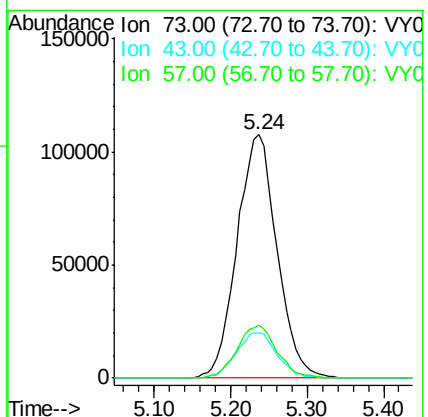
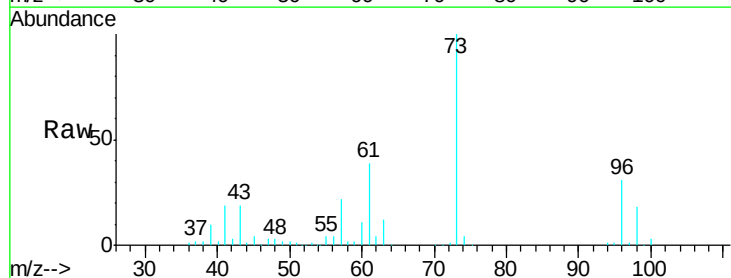
Tgt Ion: 73 Resp: 390776

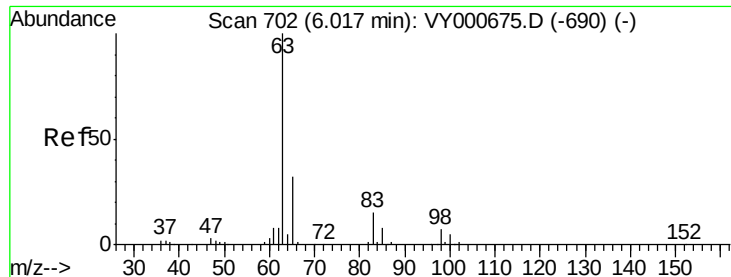
Ion Ratio Lower Upper

73 100

43 19.3 15.5 23.3

57 21.6 17.7 26.5

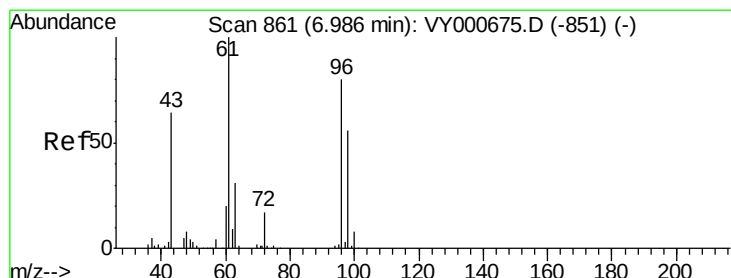
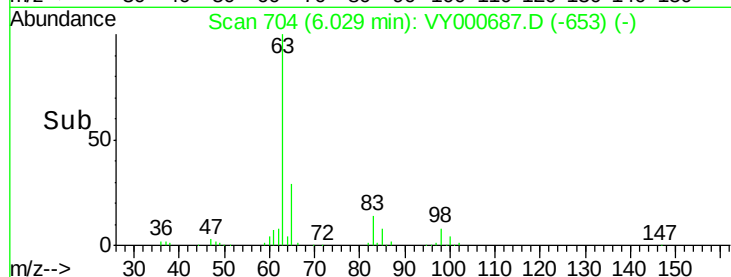
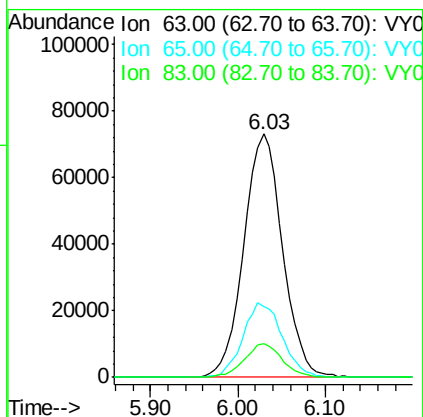
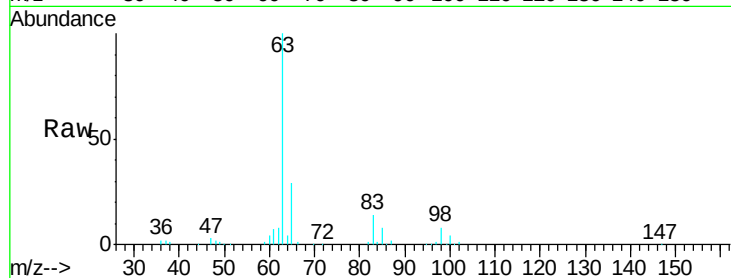




#19
 1,1-Dichloroethane
 Concen: 50.973 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

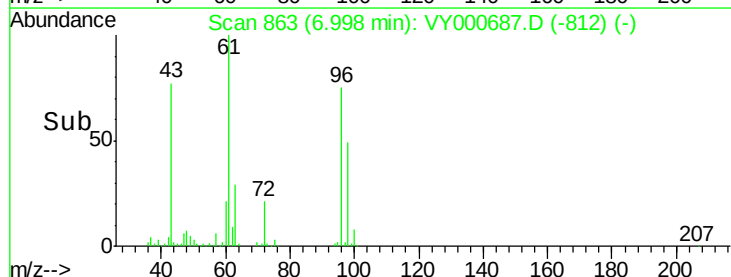
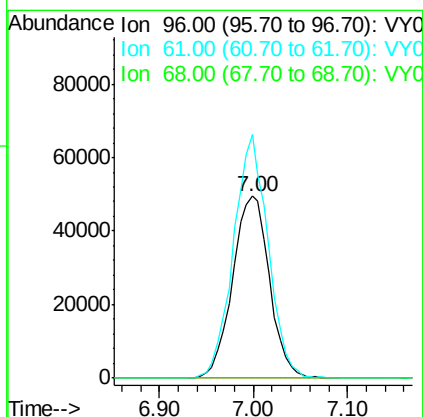
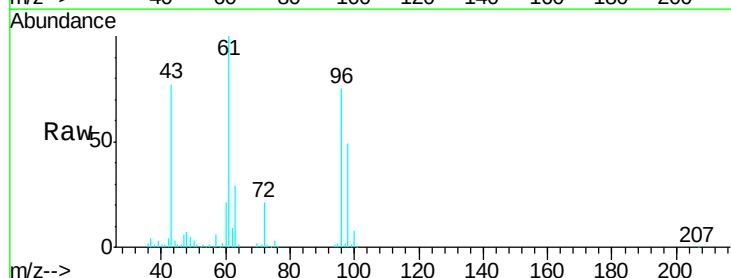
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

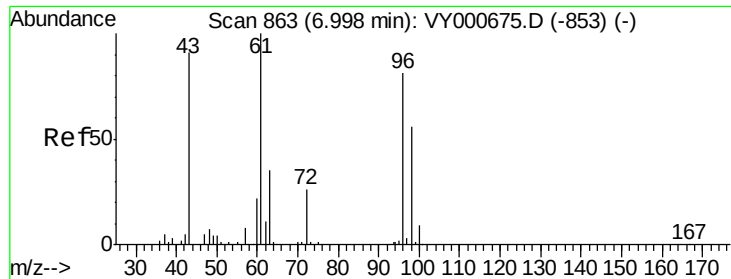
Tgt Ion: 63 Resp: 225134
 Ion Ratio Lower Upper
 63 100
 65 29.0 22.7 42.1
 83 14.1 10.5 19.5



#20
 cis-1,2-Dichloroethene
 Concen: 49.066 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

Tgt Ion: 96 Resp: 135133
 Ion Ratio Lower Upper
 96 100
 61 134.0 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.355 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

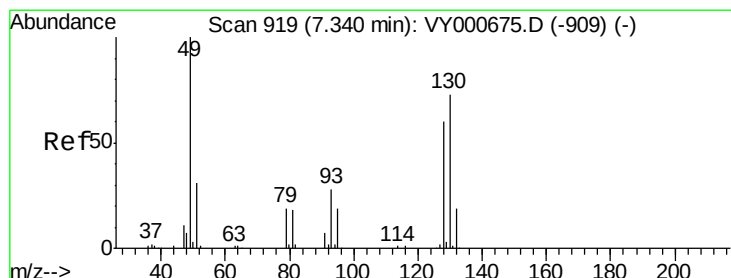
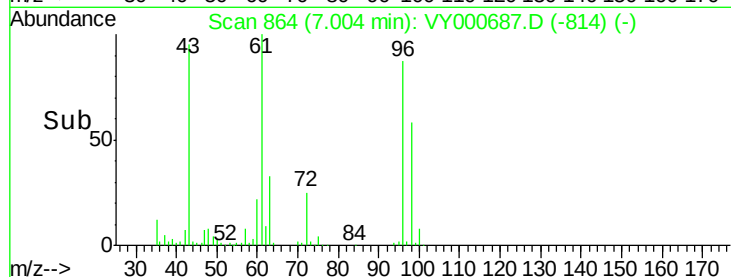
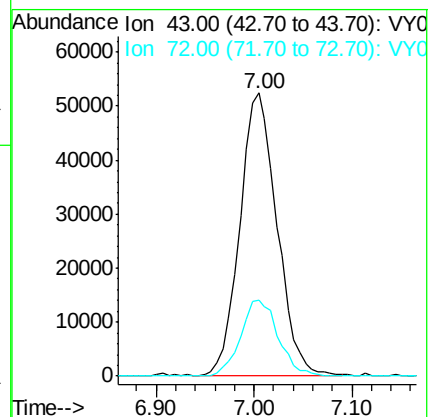
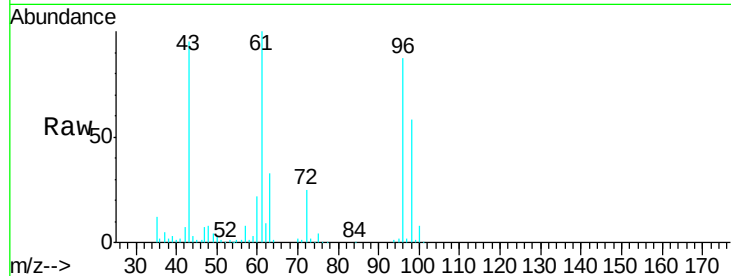
VSTD02591

Tgt Ion: 43 Resp: 138644

Ion Ratio Lower Upper

43 100

72 27.2 13.7 41.1



#23

Bromochloromethane

Concen: 51.101 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Tgt Ion: 128 Resp: 64879

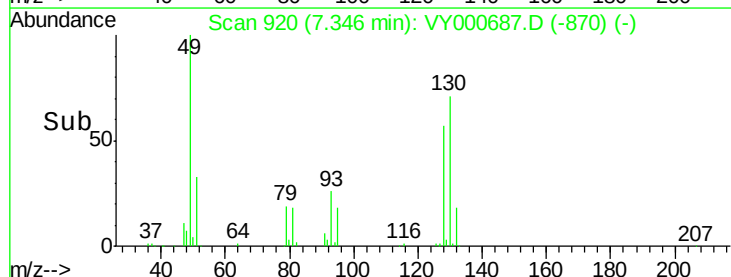
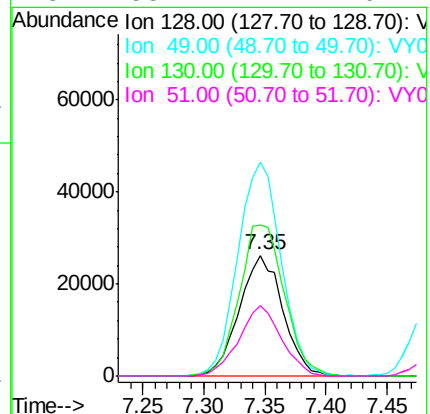
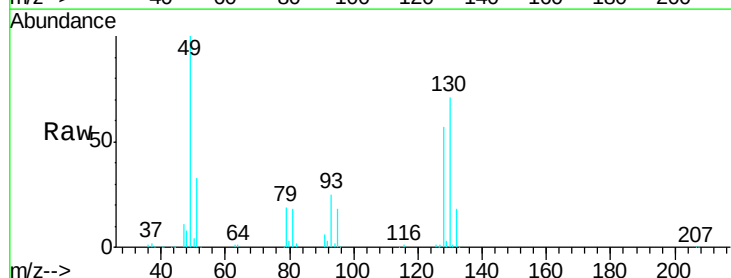
Ion Ratio Lower Upper

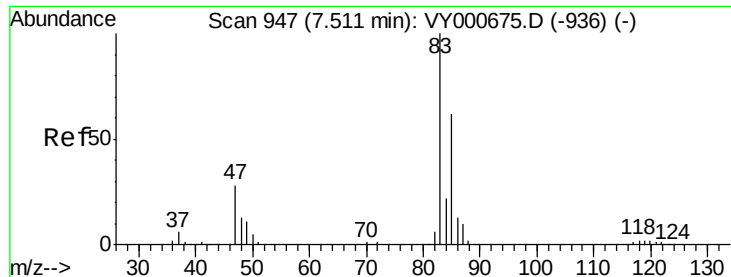
128 100

49 176.6 116.6 216.5

130 124.5 85.4 158.6

51 58.2 41.1 61.7





#25

Chloroform

Concen: 46.080 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampled :

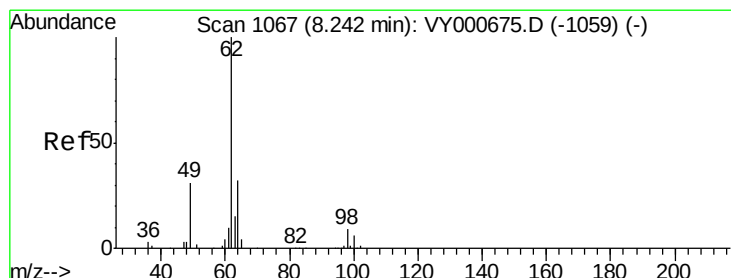
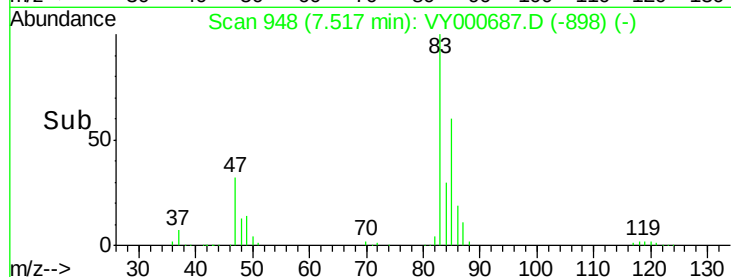
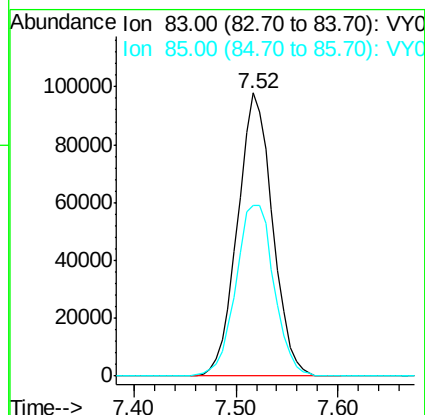
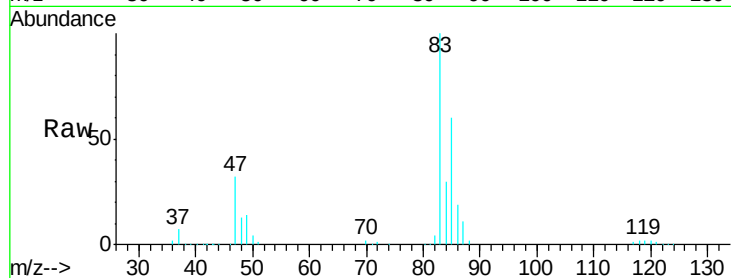
VSTD02591

Tgt Ion: 83 Resp: 233020

Ion Ratio Lower Upper

83 100

85 60.3 43.1 80.1



#27

1,2-Dichloroethane

Concen: 52.111 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY000687.D

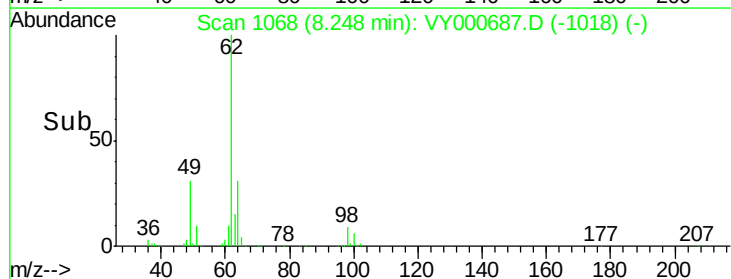
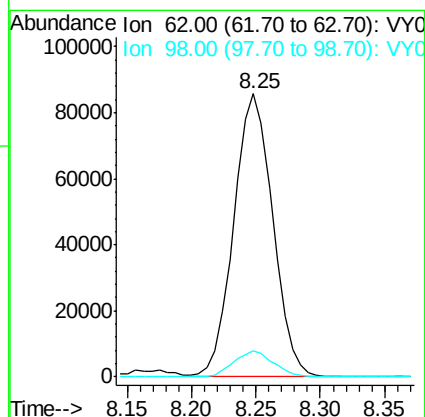
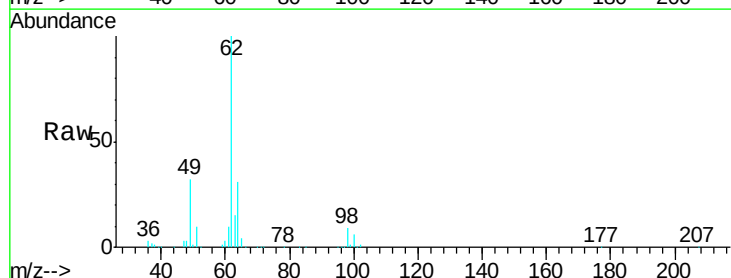
Acq: 14 Nov 2019 21:56

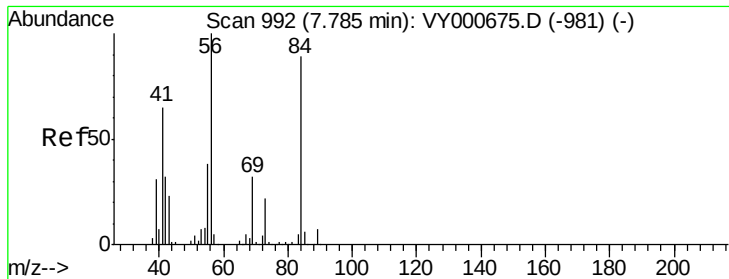
Tgt Ion: 62 Resp: 179948

Ion Ratio Lower Upper

62 100

98 9.0 7.1 10.7

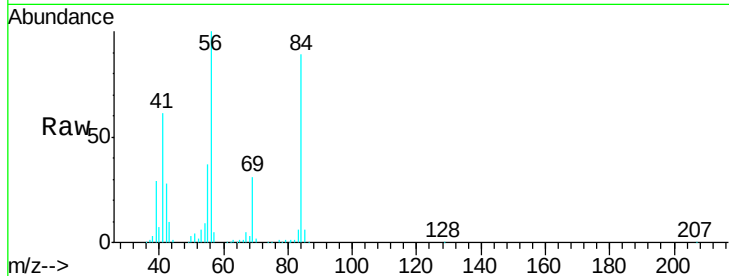




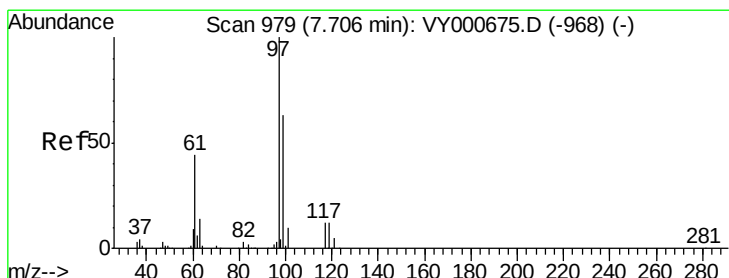
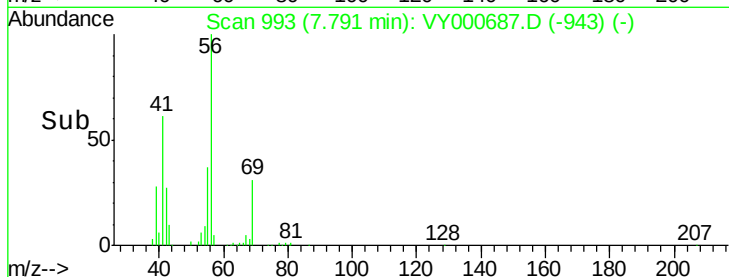
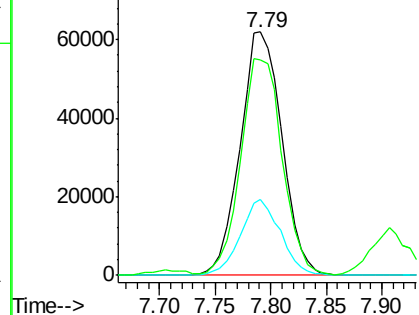
#29
Cyclohexane
Concen: 40.259 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

Tgt Ion: 56 Resp: 161628
Ion Ratio Lower Upper
56 100
69 29.8 24.4 36.6
84 88.8 71.4 107.2

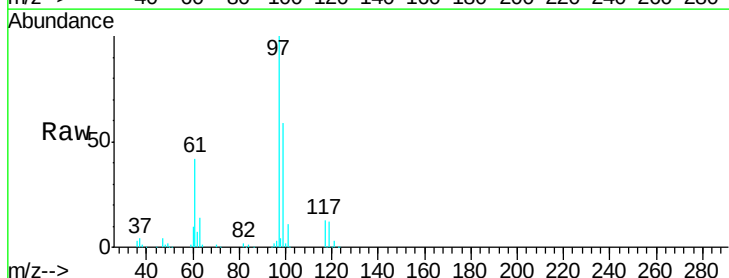


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

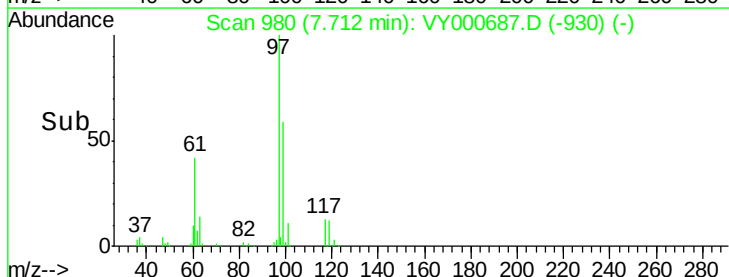
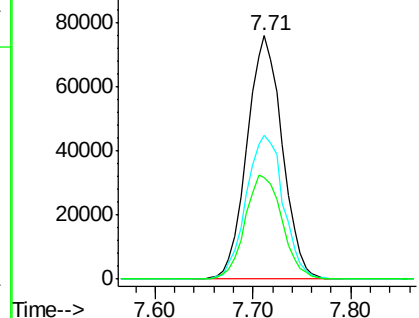


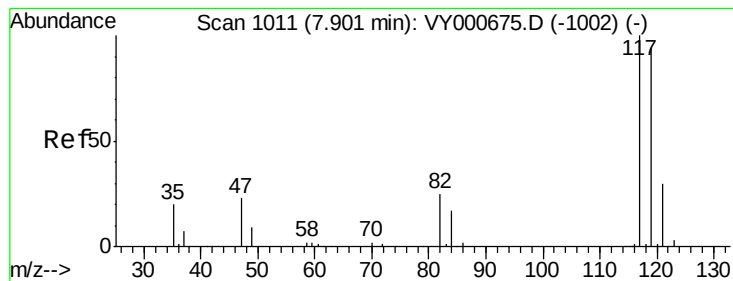
#30
1,1,1-Trichloroethane
Concen: 50.537 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion: 97 Resp: 189876
Ion Ratio Lower Upper
97 100
99 62.4 52.2 78.2
61 44.7 35.0 52.4



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





#31

Carbon tetrachloride

Concen: 47.165 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

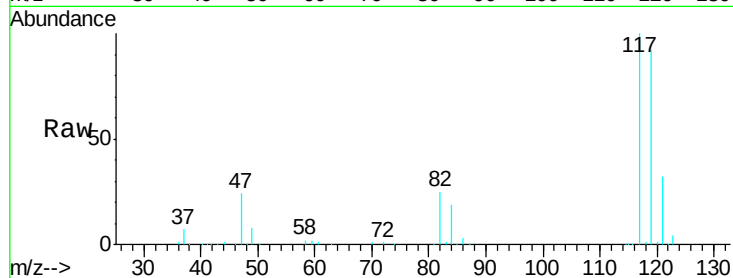
VSTD02591

Tgt Ion:117 Resp: 158660

Ion Ratio Lower Upper

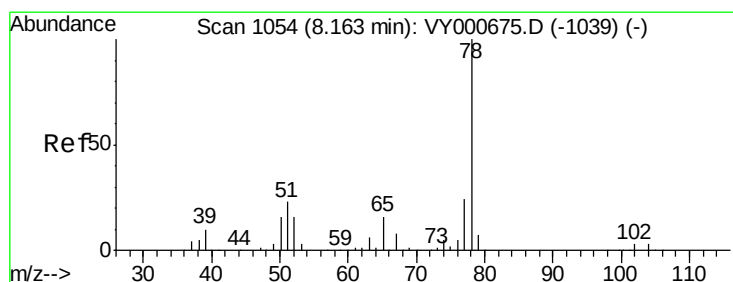
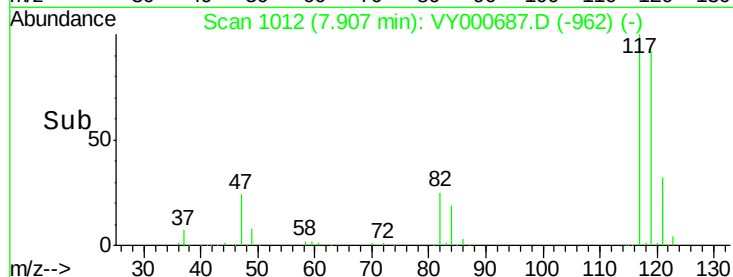
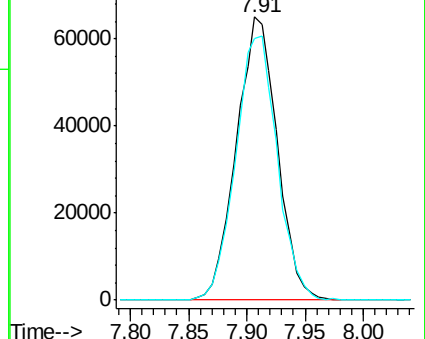
117 100

119 95.2 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.334 ug/L

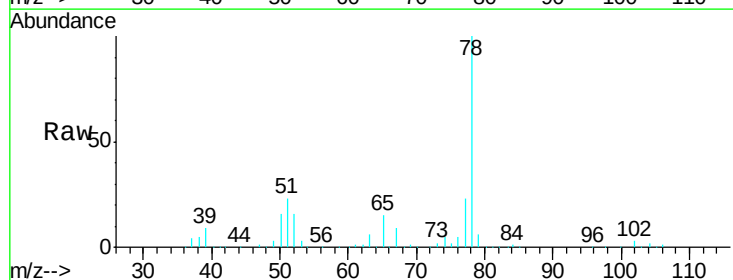
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

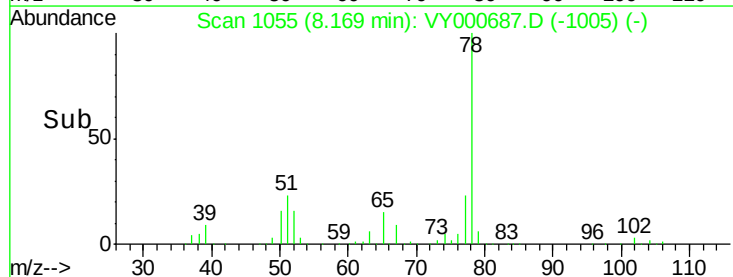
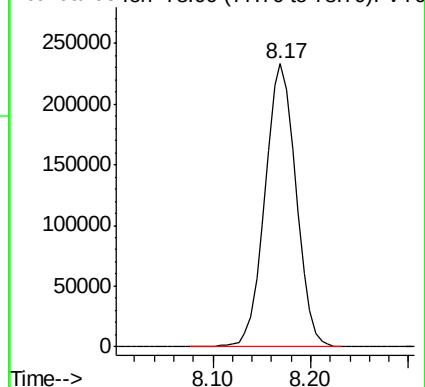
Lab File: VY000687.D

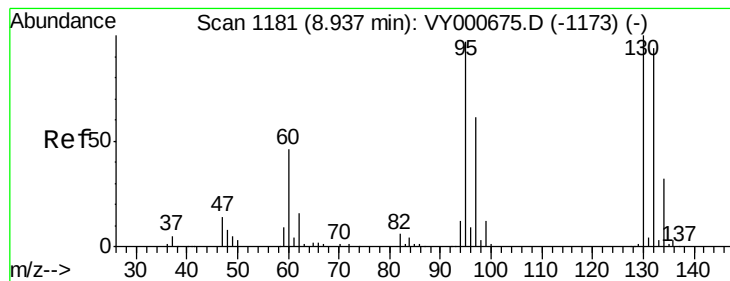
Acq: 14 Nov 2019 21:56

Tgt Ion: 78 Resp: 515714



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 48.495 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

Tgt Ion: 95 Resp: 124761

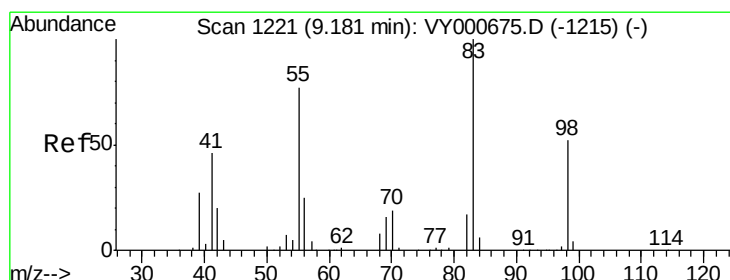
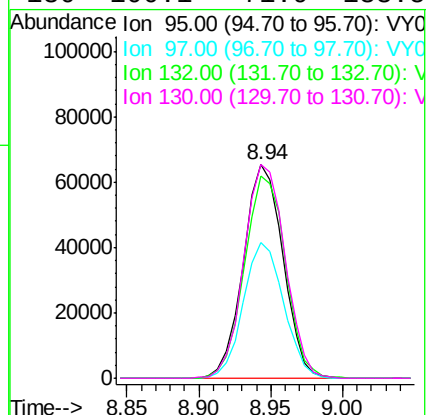
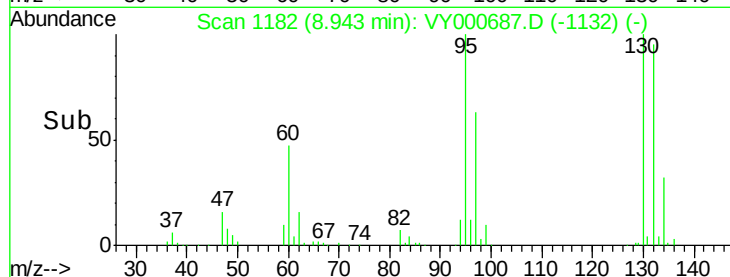
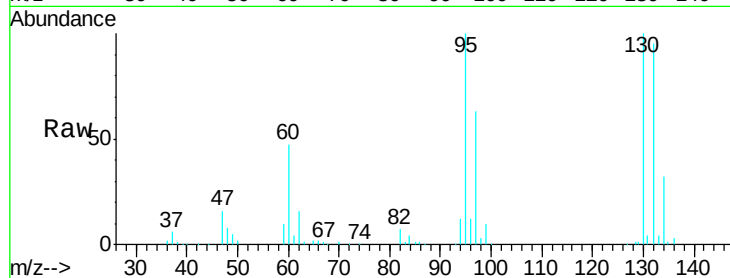
Ion Ratio Lower Upper

95 100

97 63.5 43.8 81.3

132 94.7 67.8 126.0

130 100.1 71.9 133.5



#35

Methylcyclohexane

Concen: 39.125 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

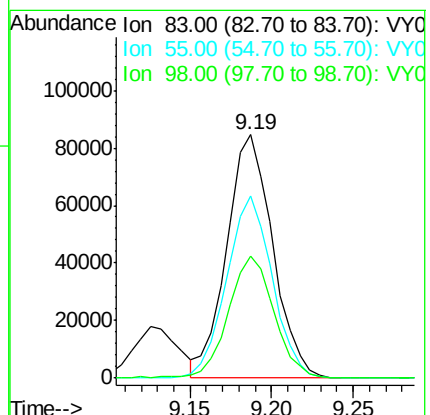
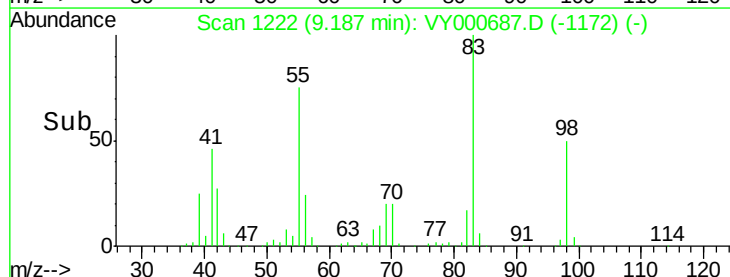
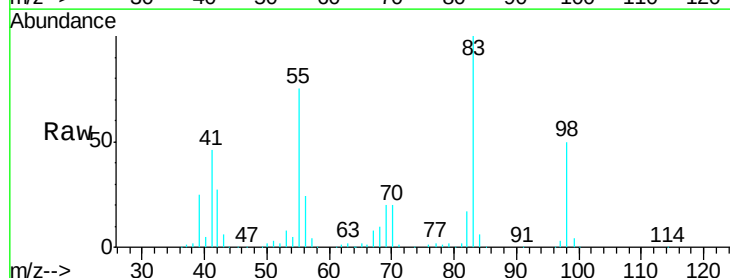
Tgt Ion: 83 Resp: 166166

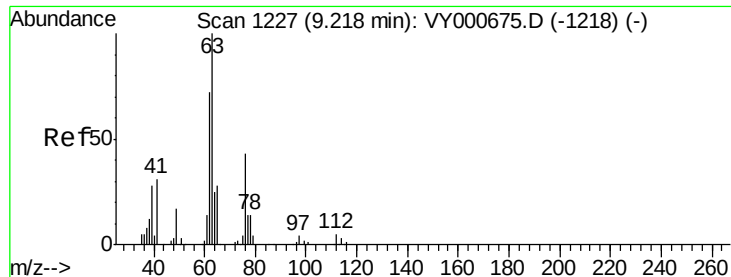
Ion Ratio Lower Upper

83 100

55 74.0 60.4 90.6

98 49.5 40.3 60.5

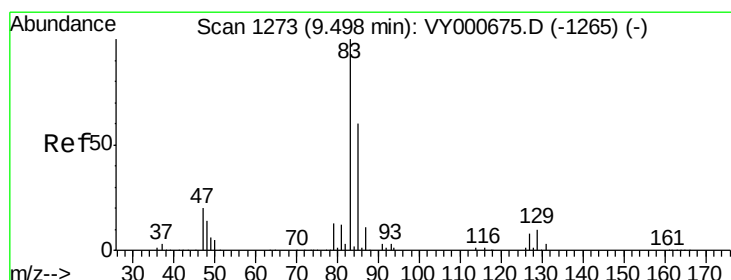
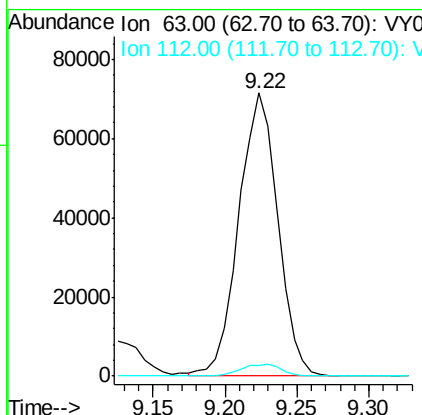
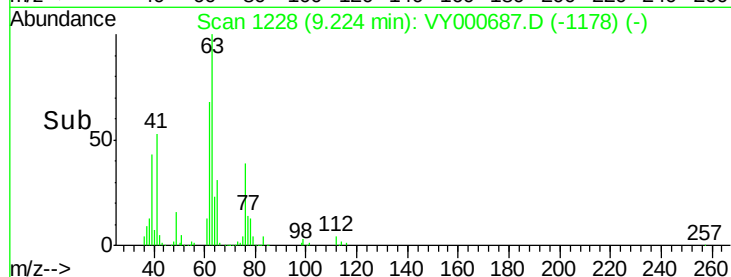
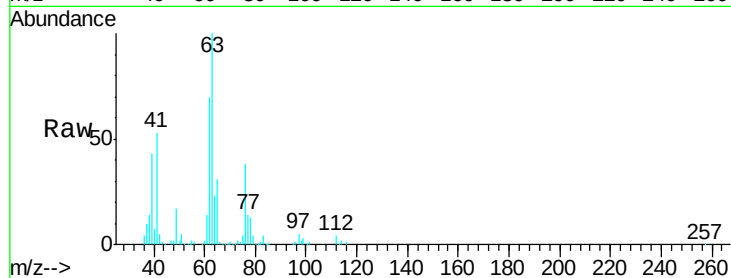




#37
 1,2-Dichloropropane
 Concen: 52.937 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

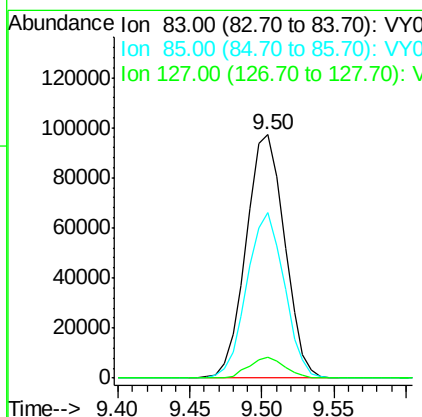
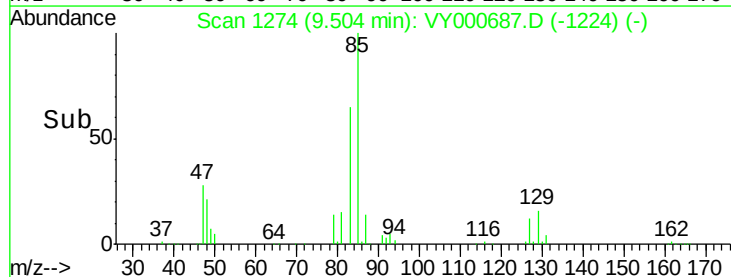
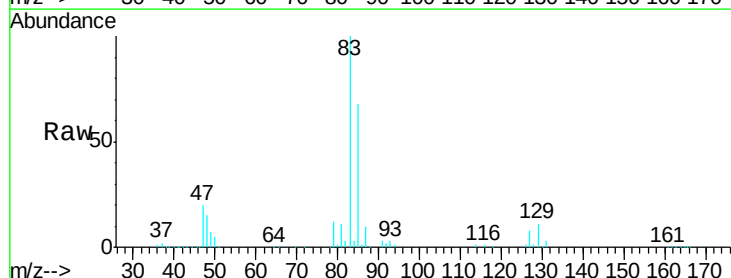
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

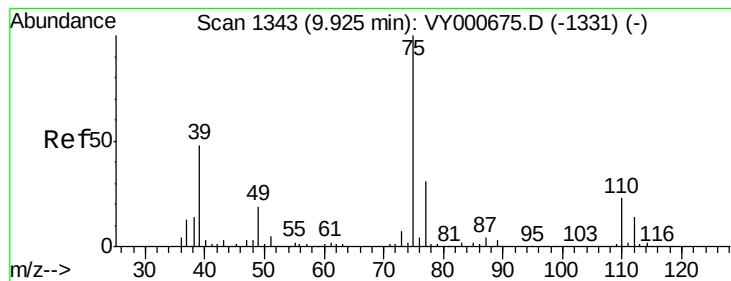
Tgt Ion: 63 Resp: 134541
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 52.757 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

Tgt Ion: 83 Resp: 180126
 Ion Ratio Lower Upper
 83 100
 85 68.2 42.2 78.4
 127 8.4 6.4 9.6



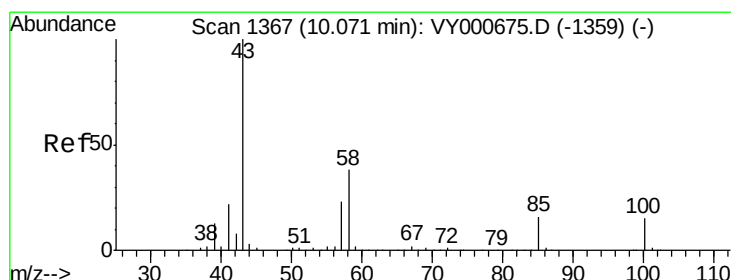
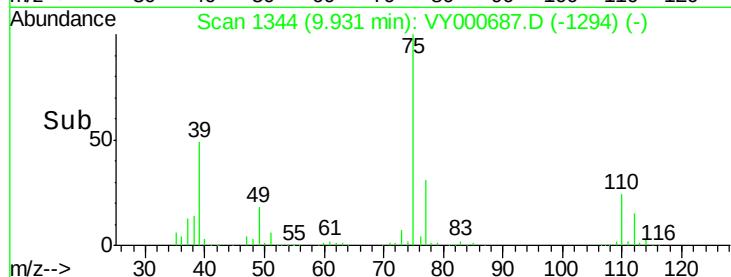
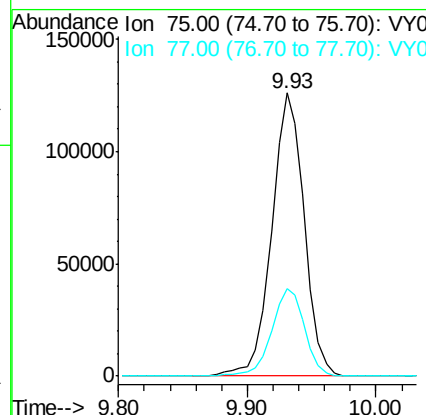
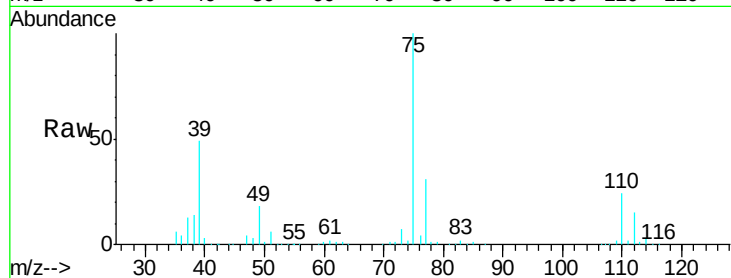


#39

cis-1,3-Dichloropropene
Concen: 51.171 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

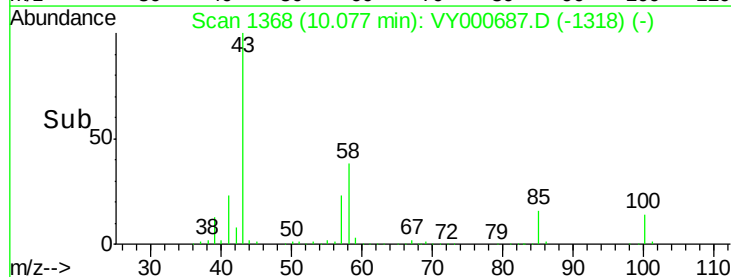
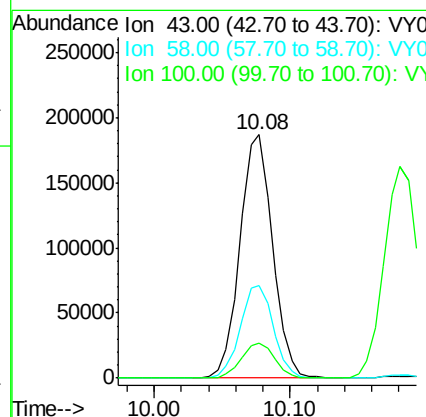
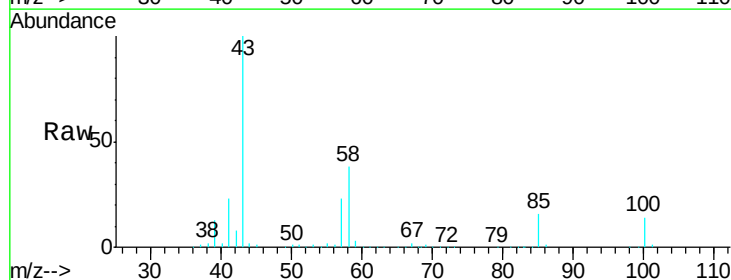
Tgt Ion: 75 Resp: 220979
Ion Ratio Lower Upper
75 100
77 30.8 21.7 40.3

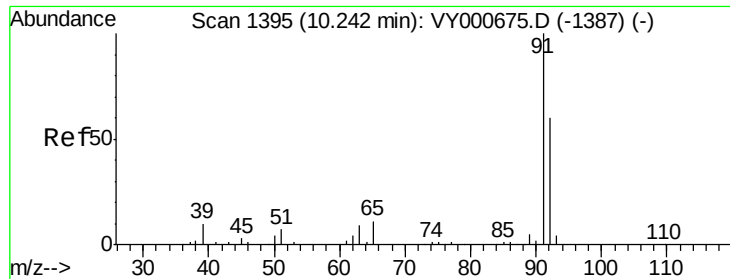


#40

4-Methyl-2-pentanone
Concen: 107.530 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion: 43 Resp: 313516
Ion Ratio Lower Upper
43 100
58 38.7 30.2 45.2
100 14.8 12.2 18.2





#42

Toluene

Concen: 49.850 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

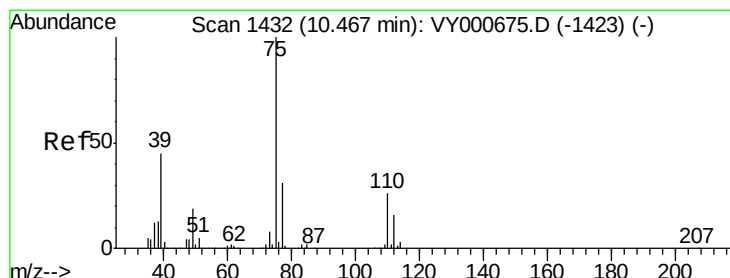
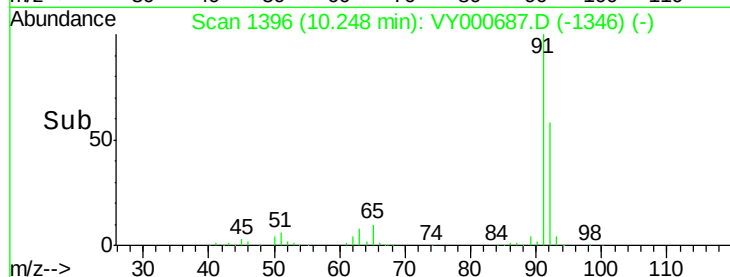
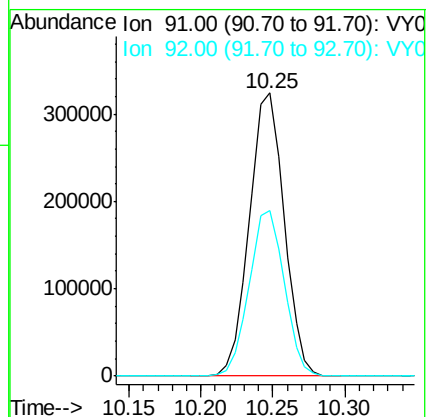
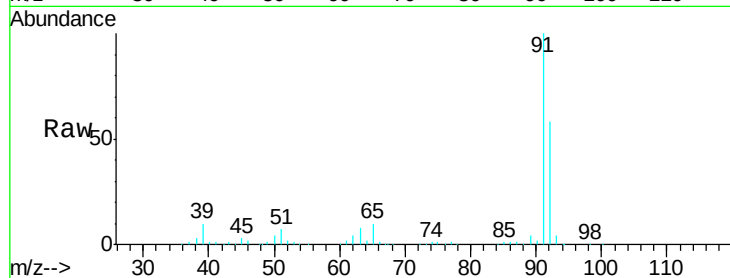
VSTD02591

Tgt Ion: 91 Resp: 540626

Ion Ratio Lower Upper

91 100

92 58.5 42.2 78.4



#44

trans-1,3-Dichloropropene

Concen: 52.876 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000687.D

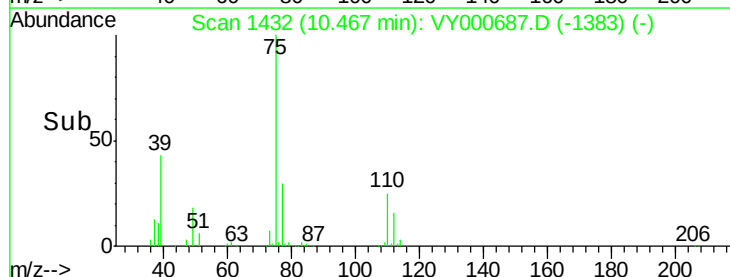
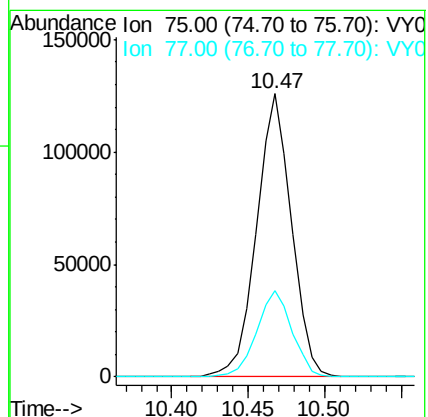
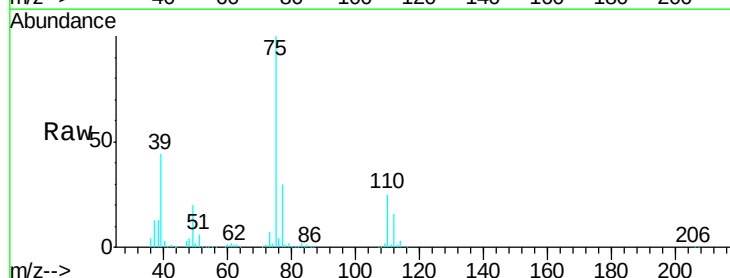
Acq: 14 Nov 2019 21:56

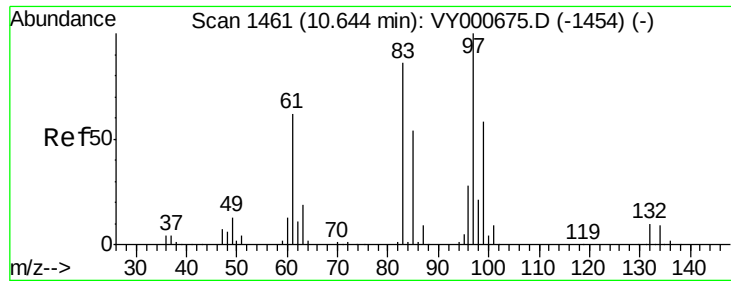
Tgt Ion: 75 Resp: 199936

Ion Ratio Lower Upper

75 100

77 30.3 22.0 41.0

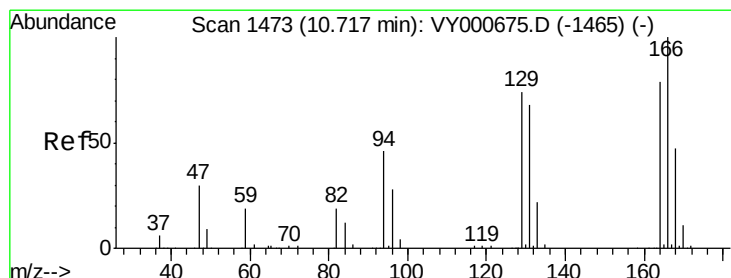
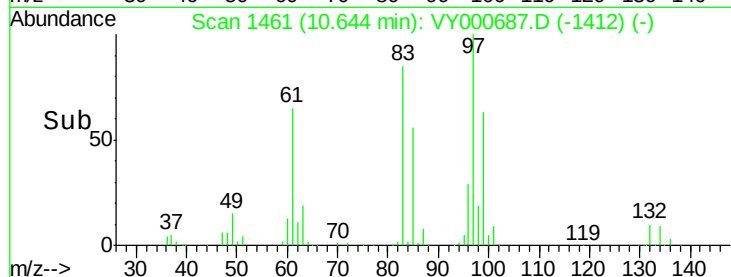
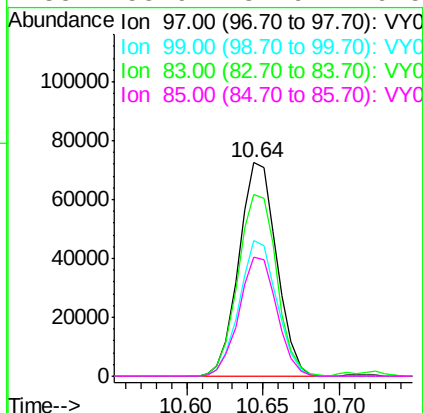
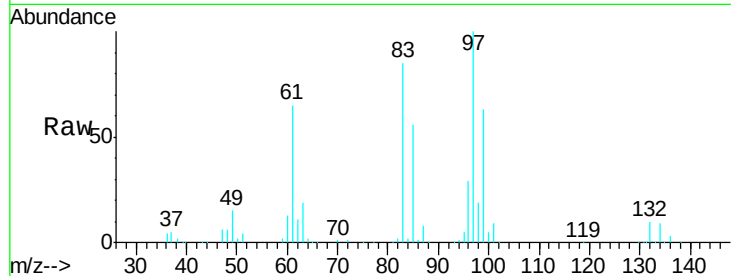




#45
 1,1,2-Trichloroethane
 Concen: 51.540 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

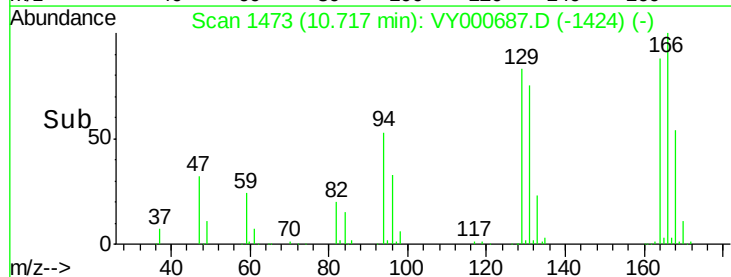
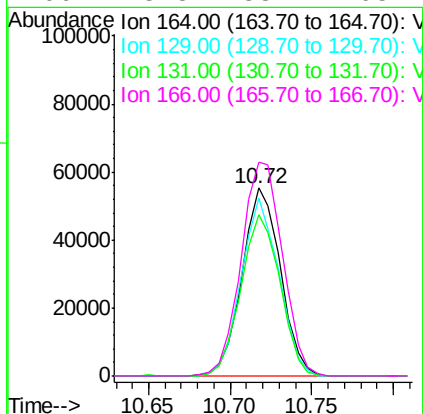
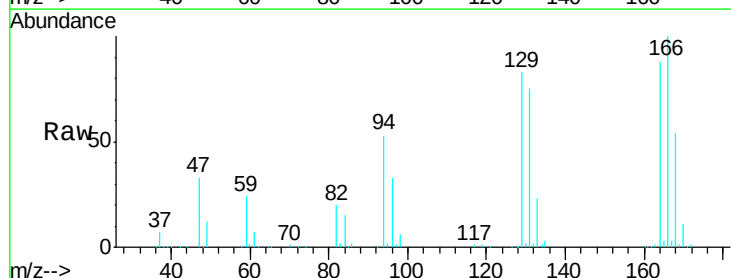
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02591

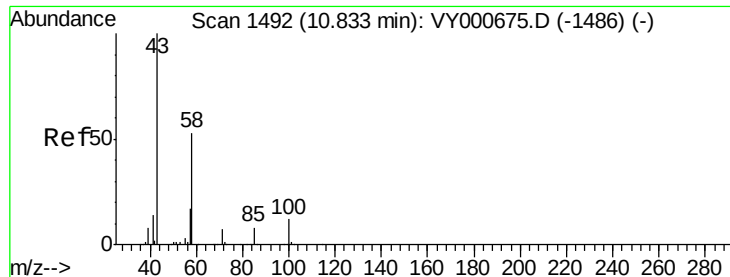
Tgt Ion:	97	Resp:	124281
Ion	Ratio	Lower	Upper
97	100		
99	63.4	40.6	75.4
83	85.0	60.0	111.4
85	55.9	37.9	70.5



#46
 Tetrachloroethene
 Concen: 45.619 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

Tgt Ion:	164	Resp:	90807
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.5	121.7
131	85.7	60.1	111.7
166	113.8	88.1	163.7

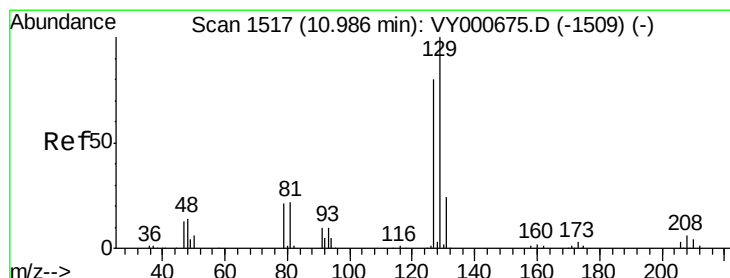
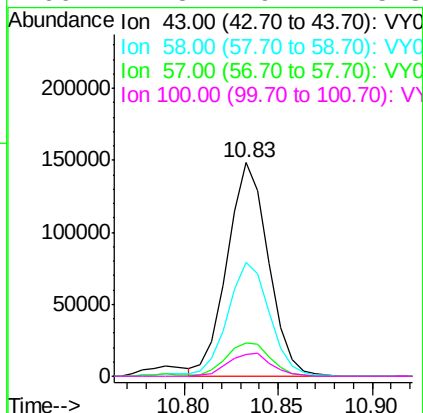
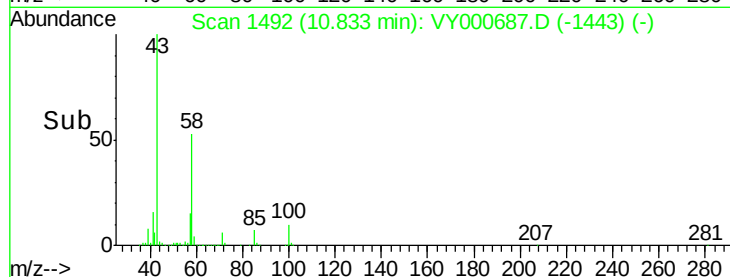
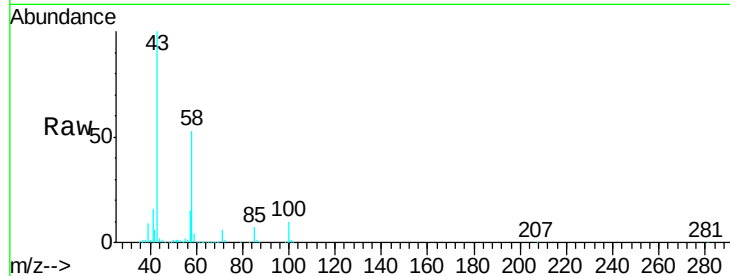




#48
2-Hexanone
Concen: 107.321 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

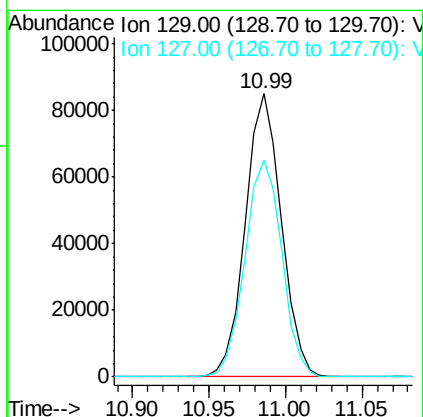
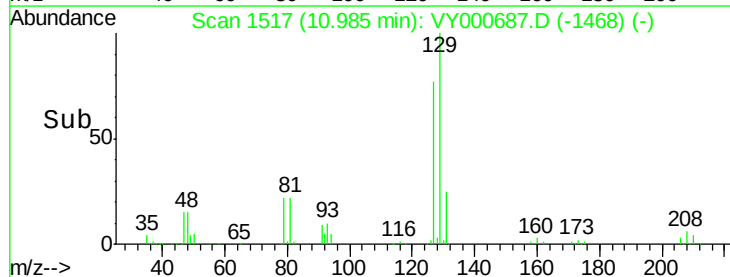
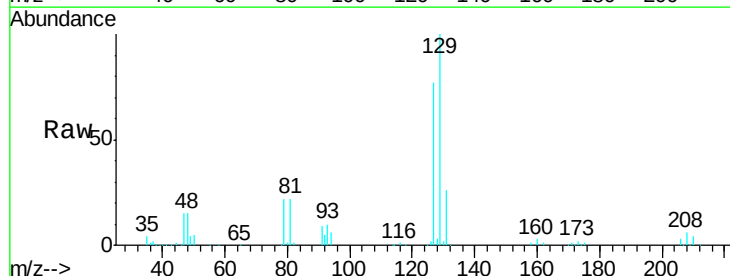
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

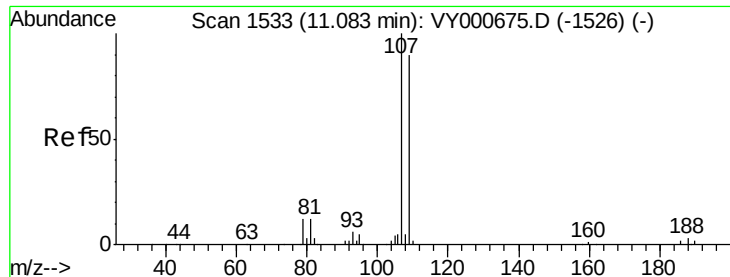
Tgt Ion: 43 Resp: 225918
Ion Ratio Lower Upper
43 100
58 53.9 42.3 63.5
57 16.9 13.8 20.6
100 11.3 9.2 13.8



#49
Dibromochloromethane
Concen: 53.307 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion: 129 Resp: 139231
Ion Ratio Lower Upper
129 100
127 76.7 55.9 103.7

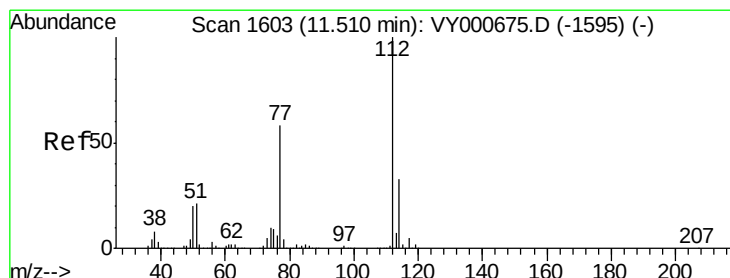
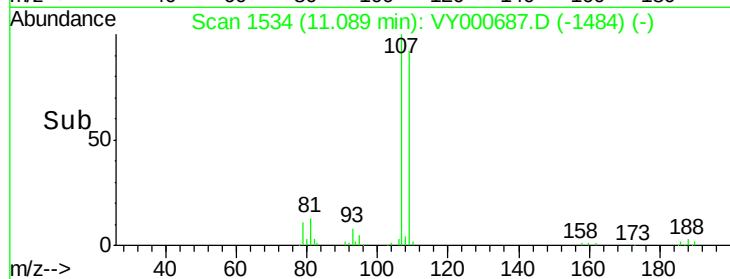
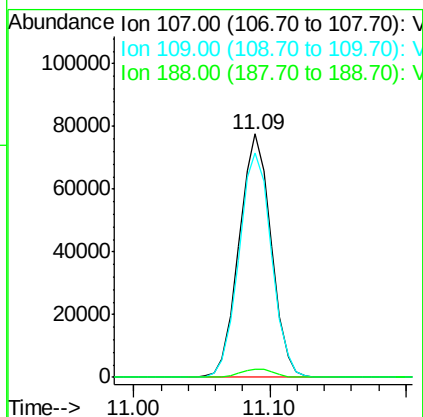
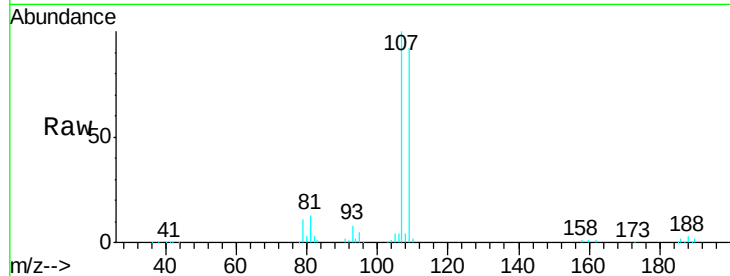




#50
1,2-Dibromoethane
Concen: 52.964 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

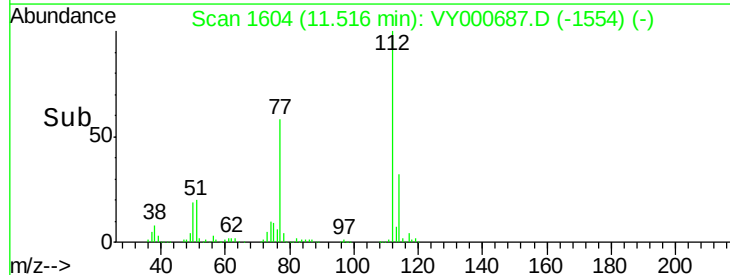
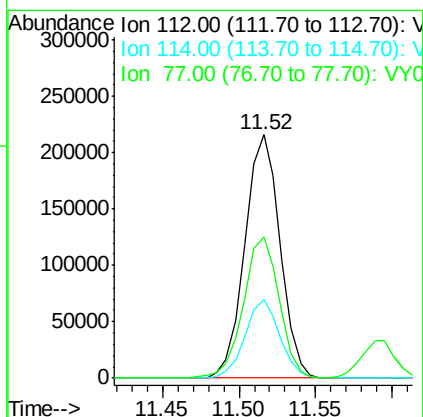
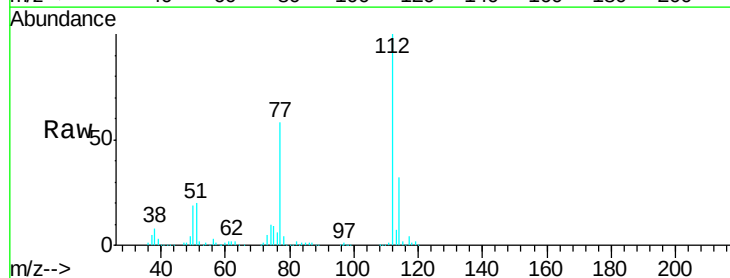
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

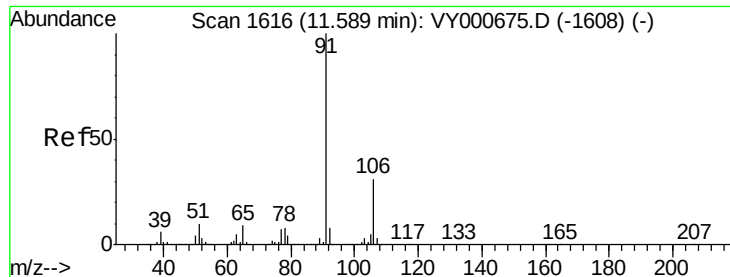
Tgt Ion:107 Resp: 127824
Ion Ratio Lower Upper
107 100
109 92.2 62.9 116.9
188 3.3 2.4 3.6



#51
Chlorobenzene
Concen: 49.288 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY000687.D
Acq: 14 Nov 2019 21:56

Tgt Ion:112 Resp: 344382
Ion Ratio Lower Upper
112 100
114 32.1 23.3 43.3
77 57.8 46.5 69.7





#52

Ethylbenzene

Concen: 47.533 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

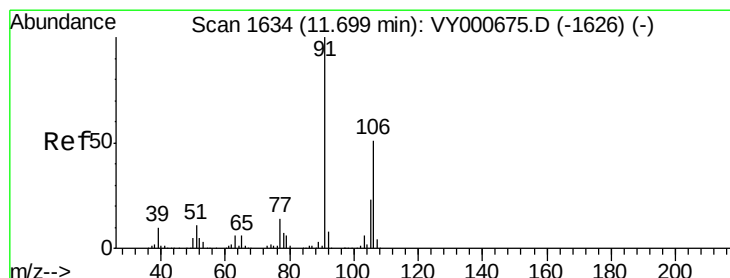
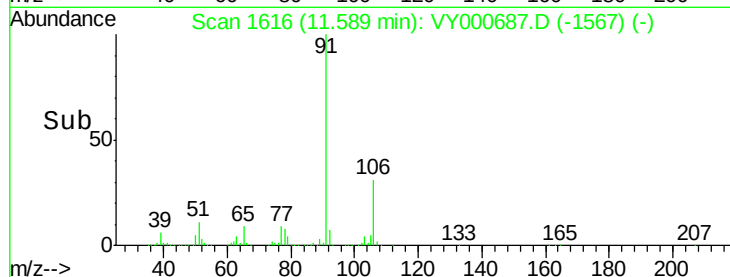
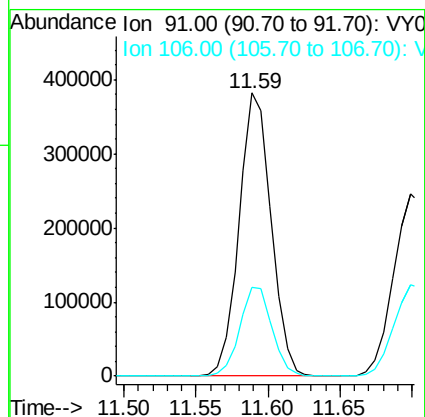
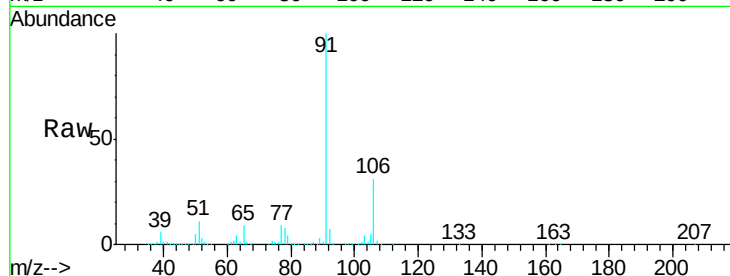
VSTD02591

Tgt Ion: 91 Resp: 588294

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.6



#53

m,p-Xylene

Concen: 47.592 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000687.D

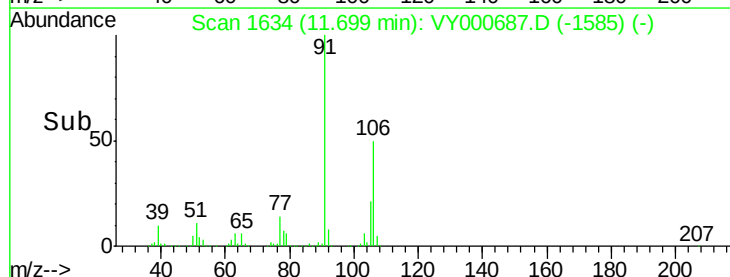
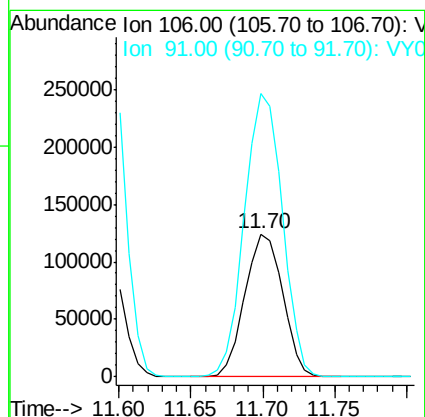
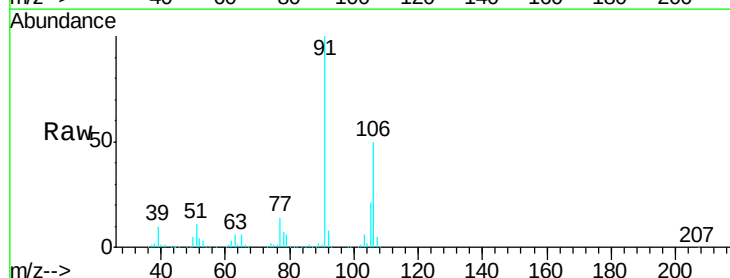
Acq: 14 Nov 2019 21:56

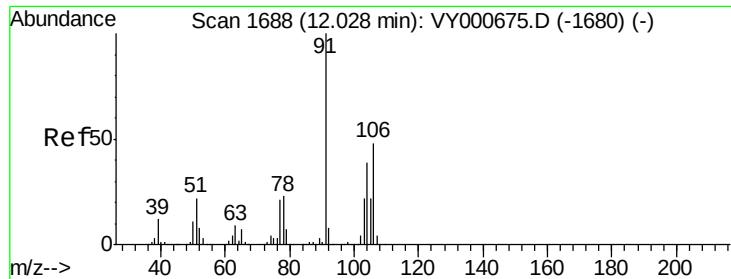
Tgt Ion: 106 Resp: 226559

Ion Ratio Lower Upper

106 100

91 198.4 137.6 255.6





#54

o-xylene

Concen: 48.905 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

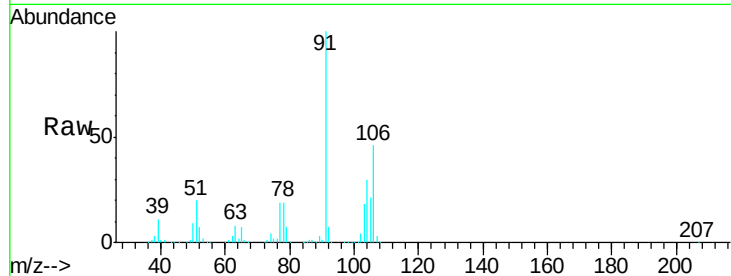
VSTD02591

Tgt Ion:106 Resp: 228237

Ion Ratio Lower Upper

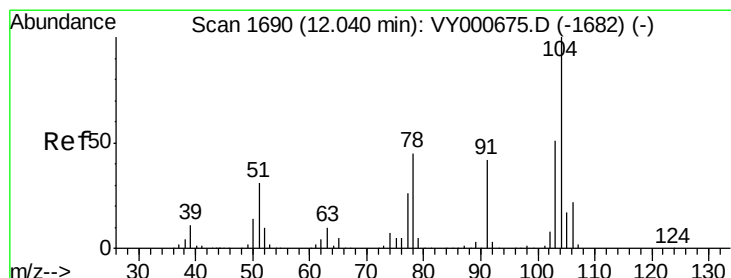
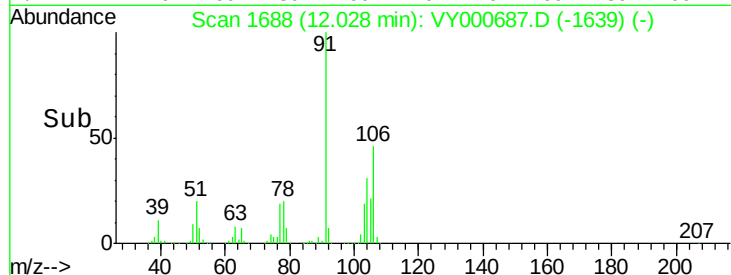
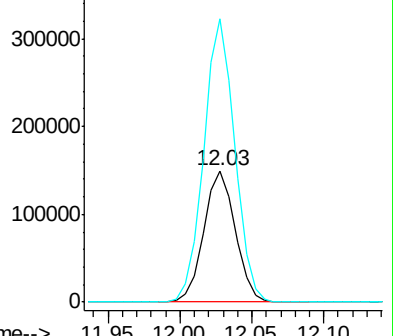
106 100

91 215.3 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 49.389 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY000687.D

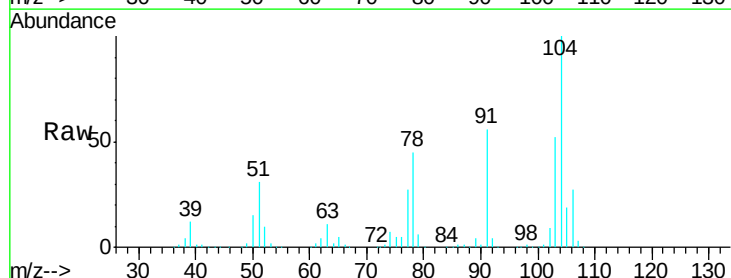
Acq: 14 Nov 2019 21:56

Tgt Ion:104 Resp: 391643

Ion Ratio Lower Upper

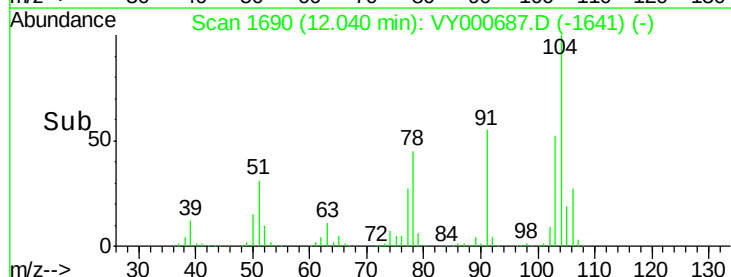
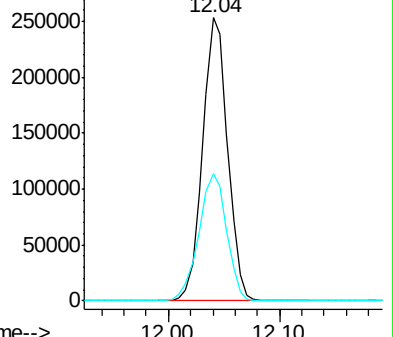
104 100

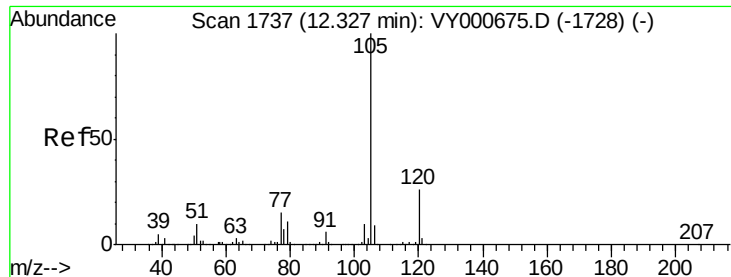
78 45.1 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#56

Isopropylbenzene

Concen: 46.411 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

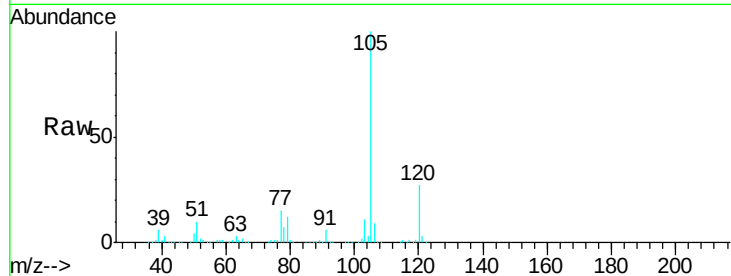
Tgt Ion: 105 Resp: 554380

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.2

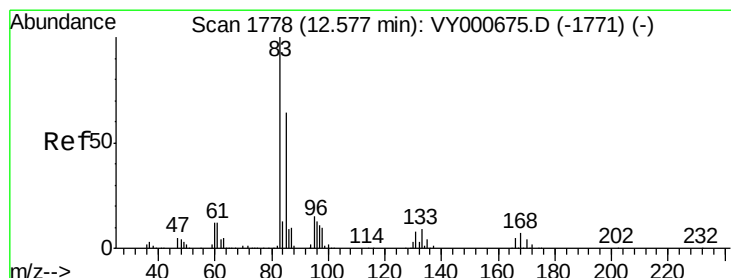
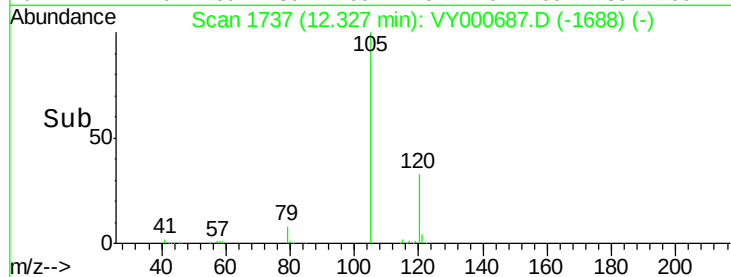
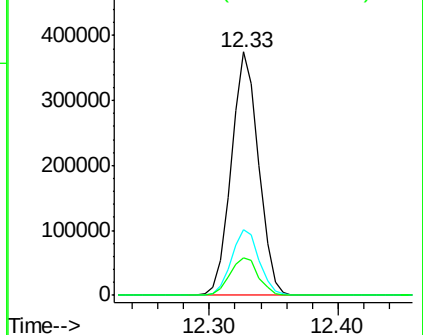
77 15.9 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VY000687.D (-1688) (-)

Ion 120.00 (119.70 to 120.70): VY000687.D (-1688) (-)

Ion 77.00 (76.70 to 77.70): VY000687.D (-1688) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 53.477 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

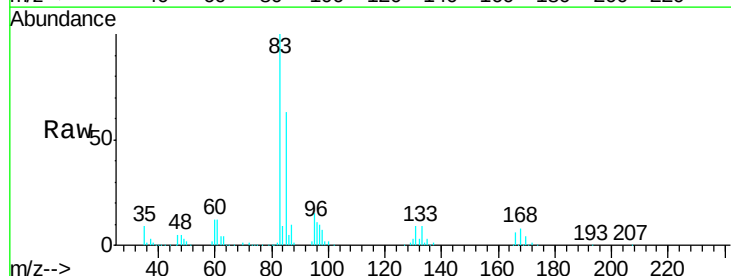
Tgt Ion: 83 Resp: 182407

Ion Ratio Lower Upper

83 100

85 62.6 45.0 83.6

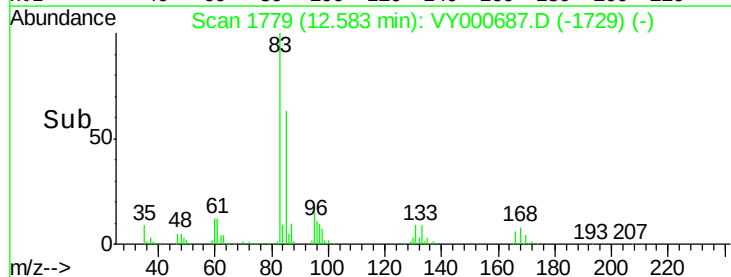
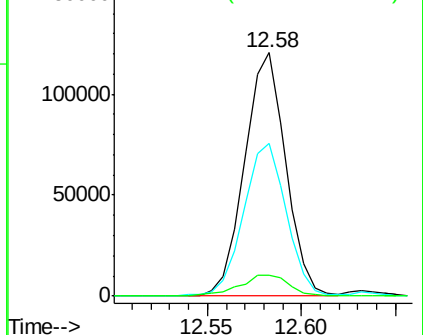
131 8.7 6.6 9.8

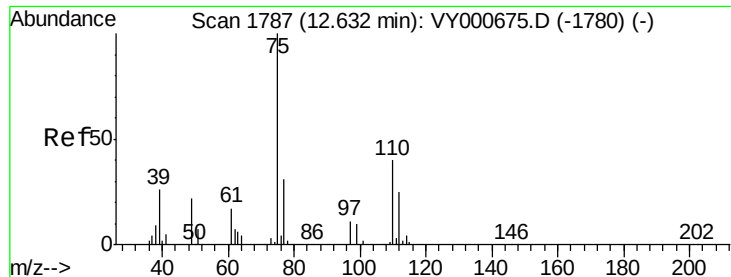


Abundance Ion 83.00 (82.70 to 83.70): VY000687.D (-1729) (-)

Ion 85.00 (84.70 to 85.70): VY000687.D (-1729) (-)

Ion 131.00 (130.70 to 131.70): VY000687.D (-1729) (-)





#59

1,2,3-Trichloropropane

Concen: 52.201 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

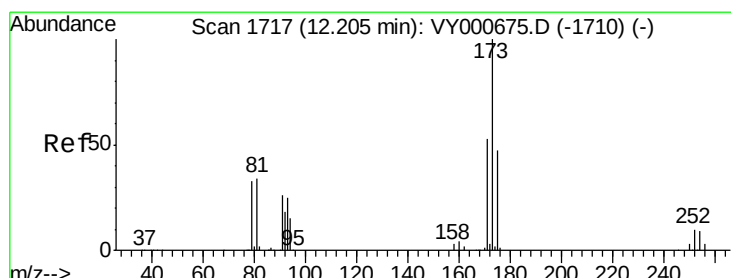
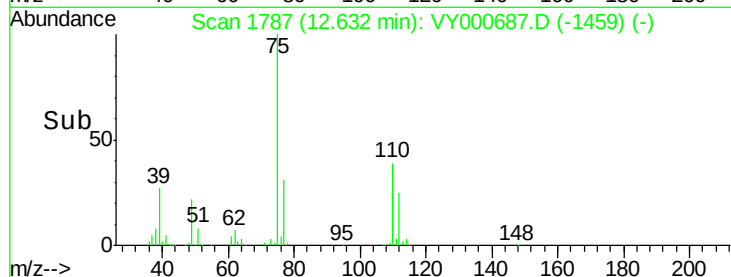
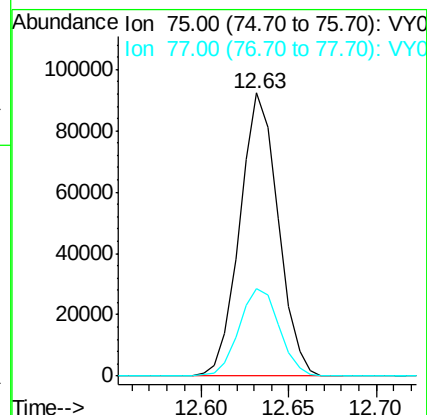
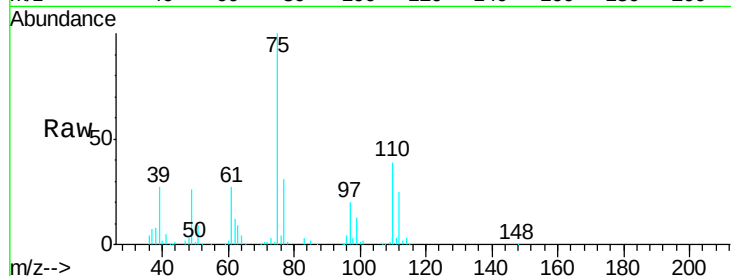
VSTD02591

Tgt Ion: 75 Resp: 140878

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#61

Bromoform

Concen: 54.258 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

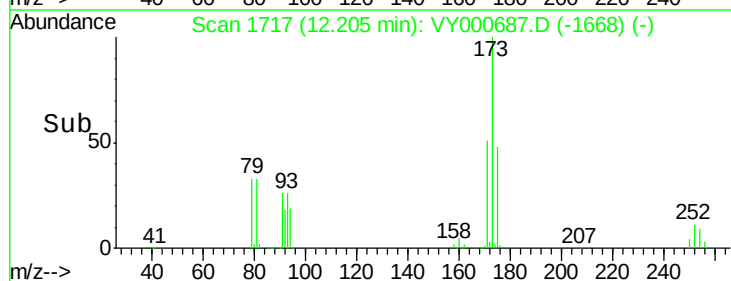
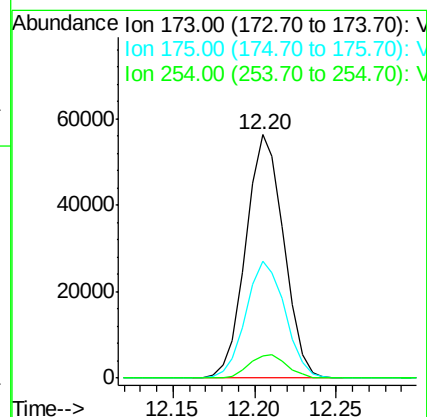
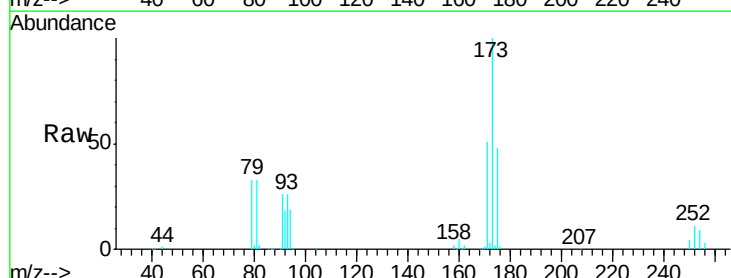
Tgt Ion: 173 Resp: 91180

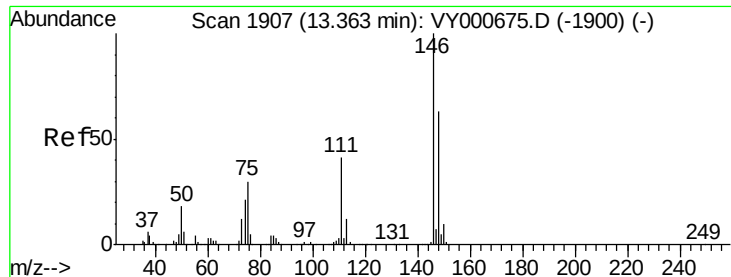
Ion Ratio Lower Upper

173 100

175 49.7 36.6 55.0

254 9.5 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 49.683 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

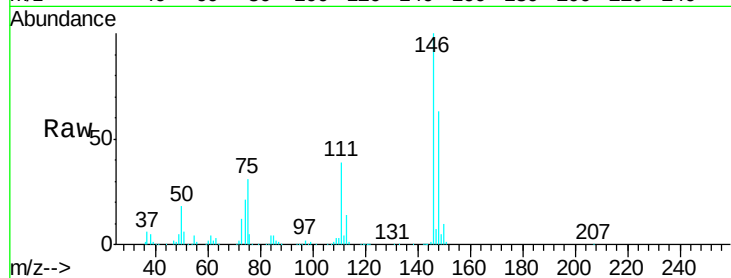
Tgt Ion:146 Resp: 258634

Ion Ratio Lower Upper

146 100

111 39.4 28.4 52.8

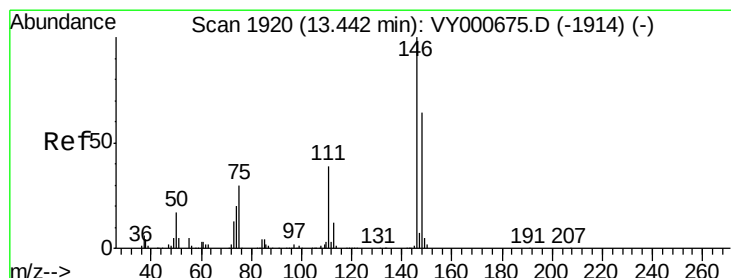
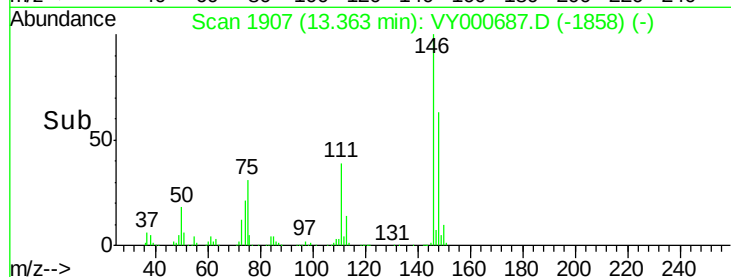
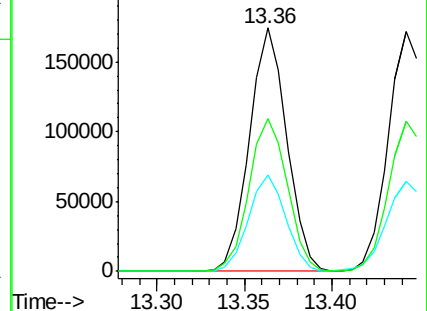
148 62.5 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 49.530 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

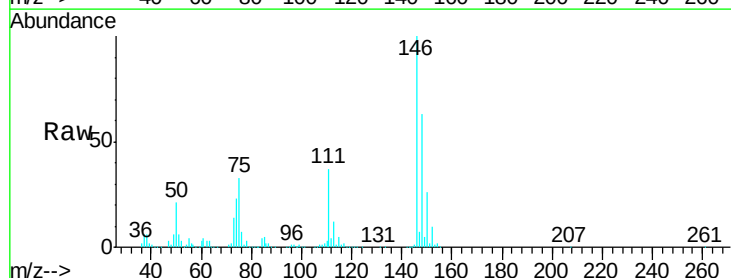
Tgt Ion:146 Resp: 264151

Ion Ratio Lower Upper

146 100

111 37.5 27.4 51.0

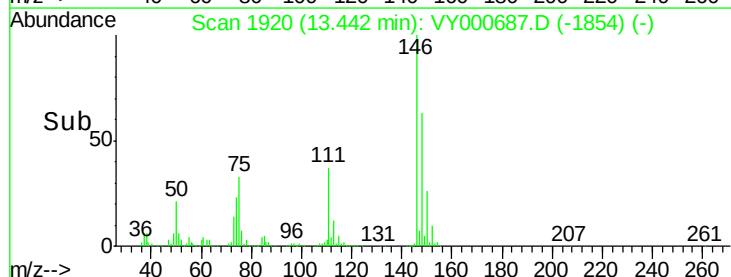
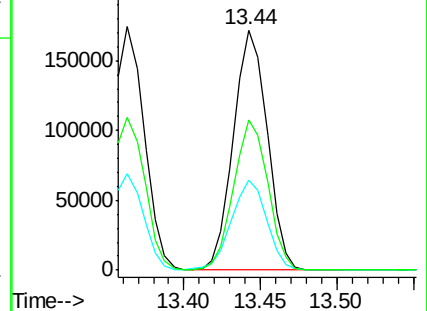
148 62.6 45.2 84.0

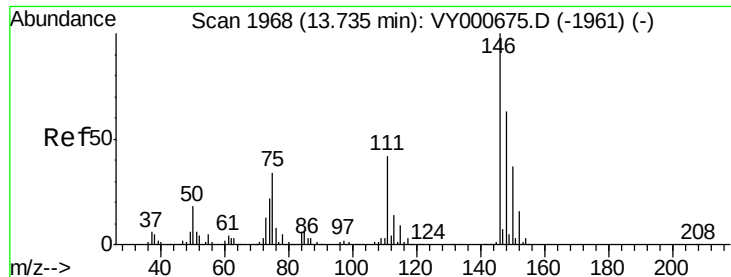


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

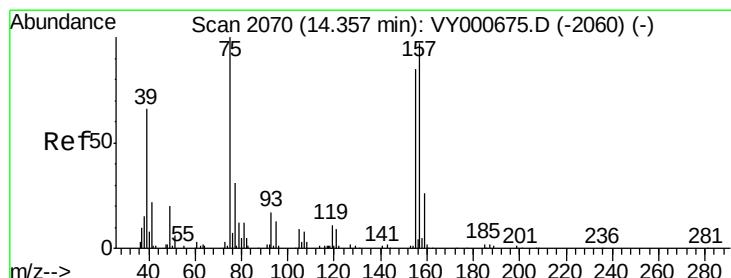
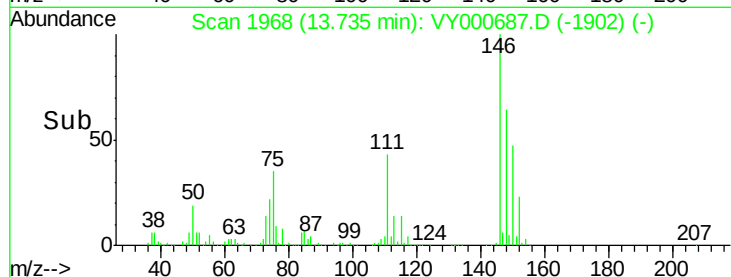
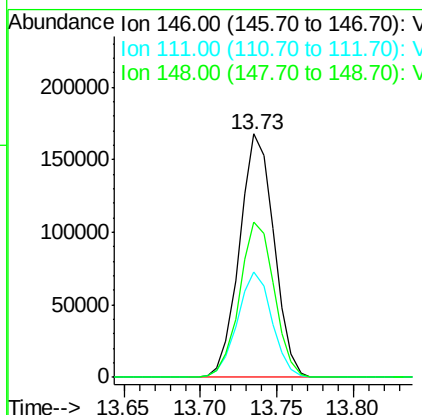
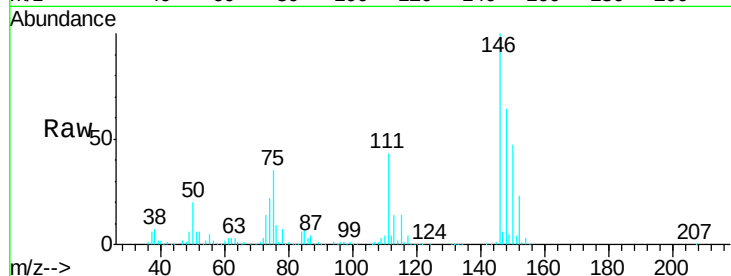




#65
 1,2-Dichlorobenzene
 Concen: 51.192 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

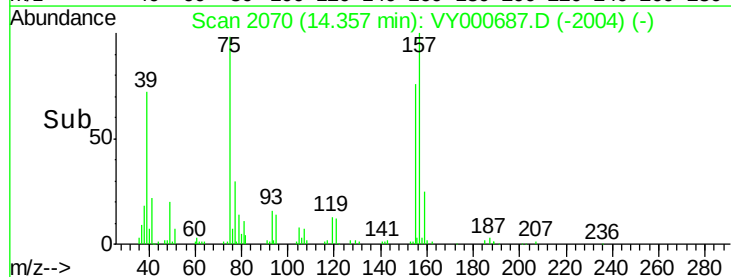
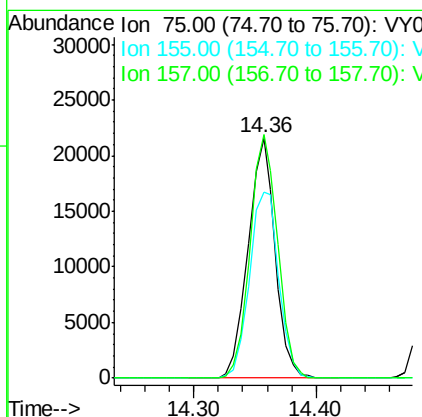
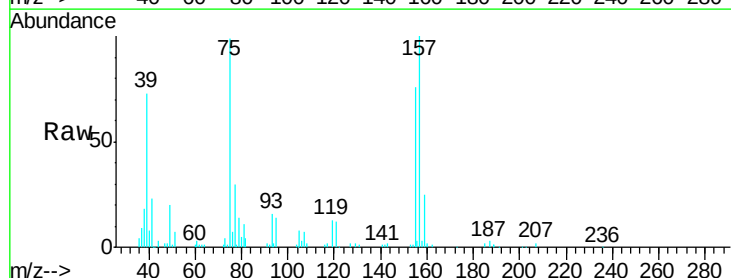
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

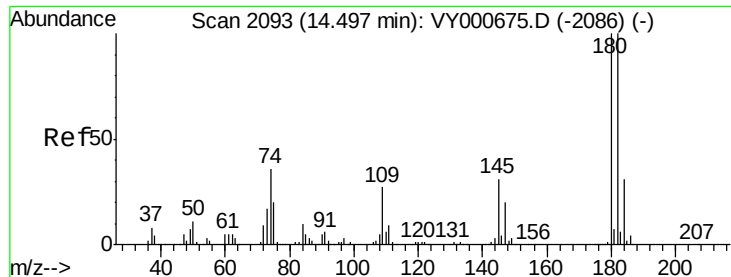
Tgt Ion:146 Resp: 262496
 Ion Ratio Lower Upper
 146 100
 111 43.3 33.4 50.0
 148 63.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.416 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

Tgt Ion: 75 Resp: 33087
 Ion Ratio Lower Upper
 75 100
 155 77.5 67.7 101.5
 157 101.4 77.8 116.8

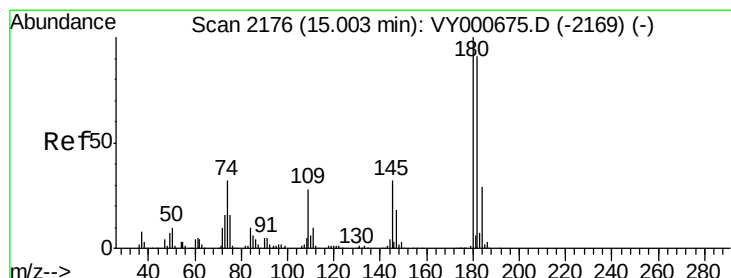
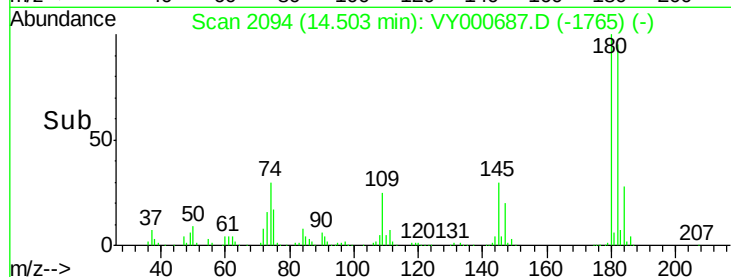
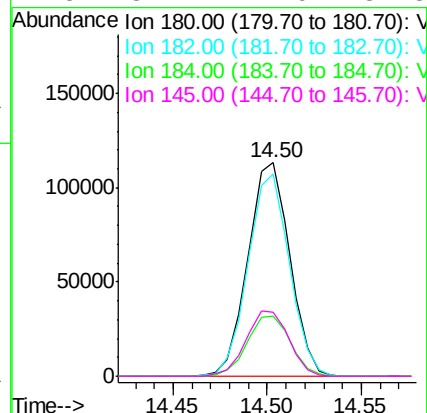
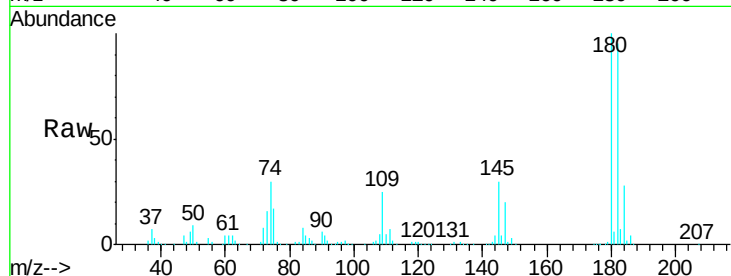




#67
 1,3,5-Trichlorobenzene
 Concen: 48.117 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

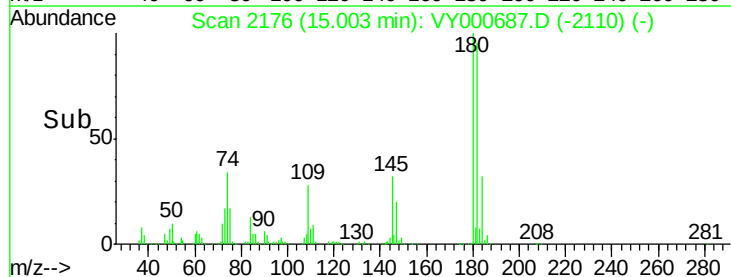
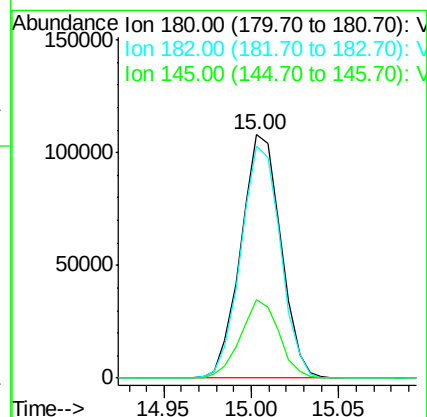
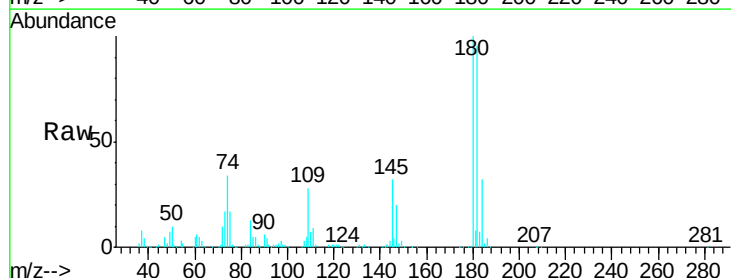
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

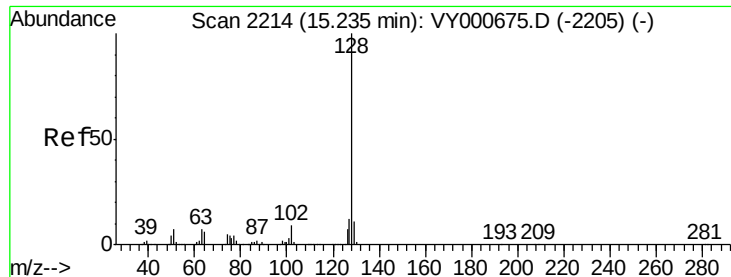
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.8	116.6
184	29.2	25.2	37.8
145	31.4	24.9	37.3



#68
 1,2,4-trichlorobenzene
 Concen: 50.461 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000687.D
 Acq: 14 Nov 2019 21:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.5	113.3
145	30.9	25.4	38.0





#69

Naphthalene

Concen: 52.628 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

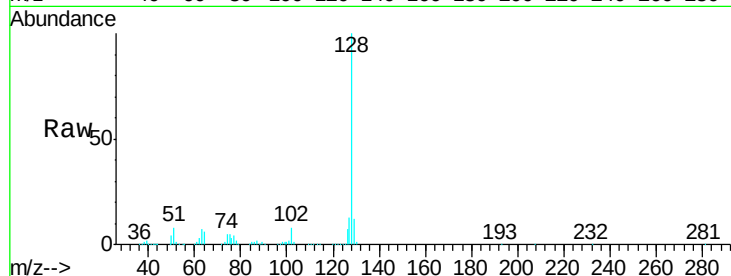
Tgt Ion:128 Resp: 535962

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

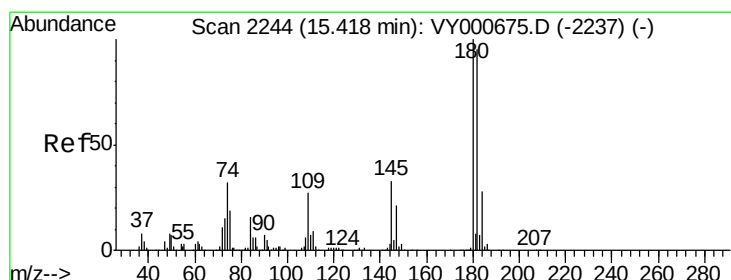
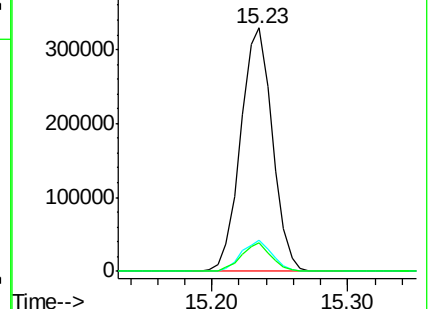
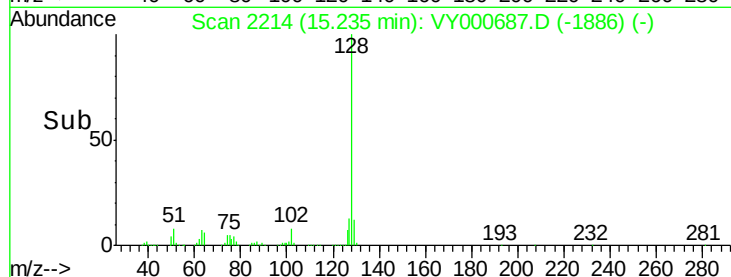
129 11.0 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 51.958 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000687.D

Acq: 14 Nov 2019 21:56

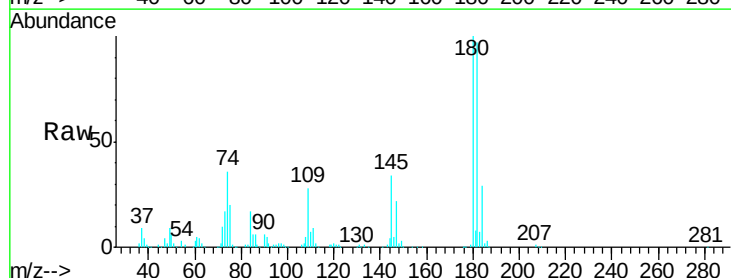
Tgt Ion:180 Resp: 170434

Ion Ratio Lower Upper

180 100

182 93.8 75.3 112.9

145 31.8 25.8 38.8



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

