

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000636.D
 Acq On : 11 Nov 2019 12:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 04:49:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 13:52:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	376373	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	345643	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	164017	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	153264	26.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.92%
7) Chloroethane-d5	2.76	69	136149	27.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	3.86	63	266541	26.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.16%
21) 2-Butanone-d5	6.90	46	124561	49.48	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
24) Chloroform-d	7.49	84	270573	27.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.32%
26) 1,2-Dichloroethane-d4	8.15	65	156227	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.52%
32) Benzene-d6	8.12	84	558362	27.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.76%
36) 1,2-Dichloropropane-d6	9.13	67	174601	28.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.64%
41) Toluene-d8	10.18	98	518241	27.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.56%
43) trans-1,3-Dichloropropene-	10.44	79	83981	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.28%
47) 2-Hexanone-d5	10.79	63	102352	53.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.36%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	174784	26.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.00%
66) 1,2-Dichlorobenzene-d4	13.72	152	176834	27.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	125543	24.000	ug/L	96
3) Chloromethane	2.12	50	172126	25.060	ug/L	98
5) Vinyl chloride	2.25	62	173349	27.029	ug/L	96
6) Bromomethane	2.66	94	82548	28.115	ug/L	96
8) Chloroethane	2.80	64	106493	26.906	ug/L	99
9) Trichlorofluoromethane	3.13	101	233553	25.808	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	136125	25.907	ug/L	99
12) 1,1-Dichloroethene	3.88	96	132311	26.465	ug/L	94
13) Acetone	3.96	43	78745	32.785	ug/L	96
14) Carbon disulfide	4.19	76	430623	27.161	ug/L	100
15) Methyl Acetate	4.49	43	102300	23.902	ug/L	98
16) Methylene chloride	4.72	84	155970	25.429	ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	147663	26.579	ug/L	93
18) Methyl tert-butyl Ether	5.23	73	413694	26.131	ug/L	99
19) 1,1-Dichloroethane	6.02	63	266641	27.381	ug/L	98
20) cis-1,2-Dichloroethene	6.99	96	164354	26.424	ug/L #	94
22) 2-Butanone	7.00	43	147637	40.120	ug/L	99

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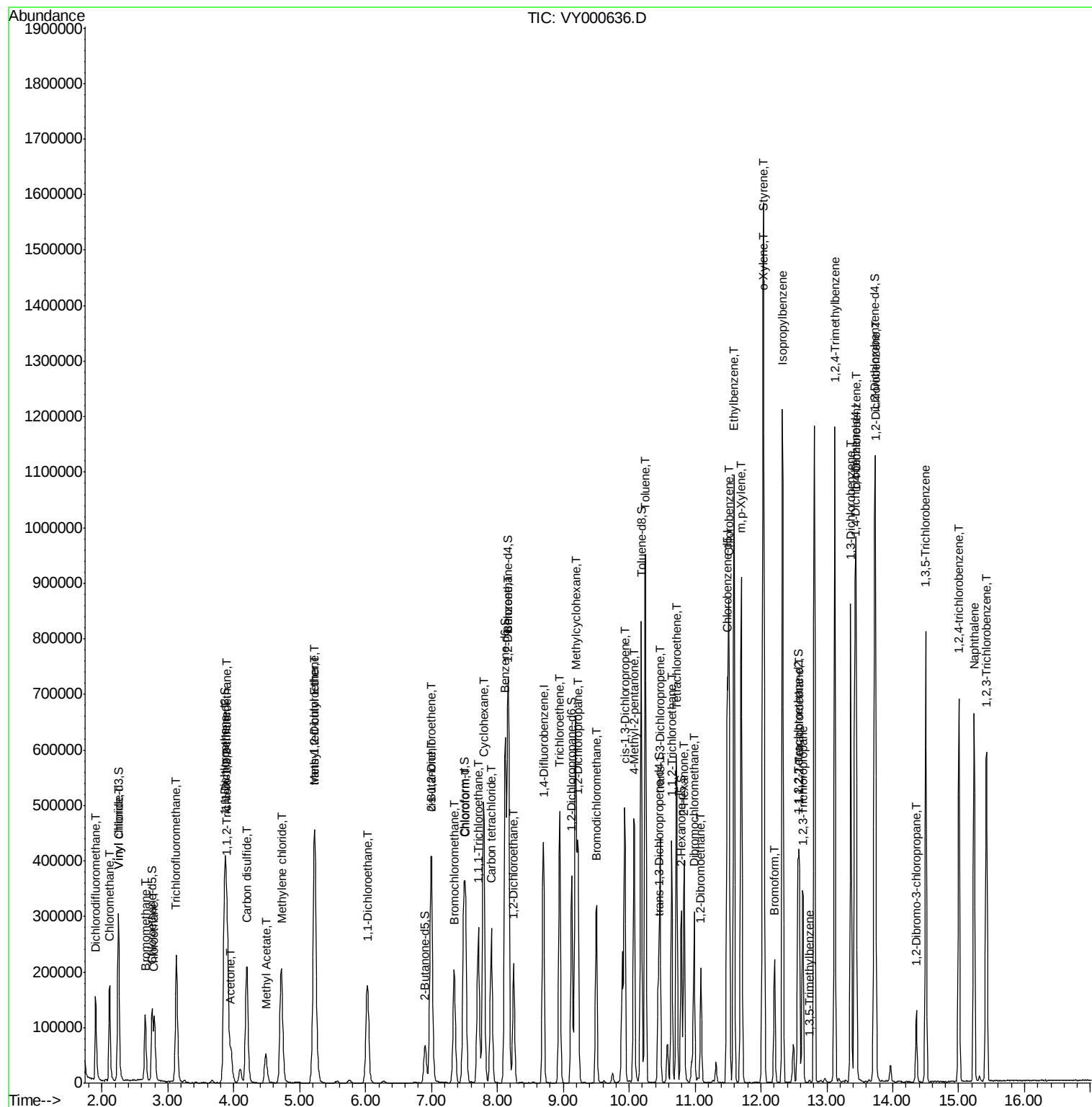
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	72169	25.810	ug/L	94
25) Chloroform	7.52	83	273515	27.196	ug/L	99
27) 1,2-Dichloroethane	8.25	62	190106	26.462	ug/L	99
29) Cyclohexane	7.79	56	259249	27.459	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	231521	27.768	ug/L	100
31) Carbon tetrachloride	7.91	117	208997	27.183	ug/L	100
33) Benzene	8.17	78	622847	27.437	ug/L	100
34) Trichloroethene	8.94	95	161805	27.009	ug/L	95
35) Methylcyclohexane	9.19	83	280988	27.306	ug/L	98
37) 1,2-Dichloropropane	9.22	63	156932	27.097	ug/L	100
38) Bromodichloromethane	9.50	83	201759	27.381	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	259917	28.008	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	319445	50.053	ug/L	99
42) Toluene	10.25	91	672187	27.727	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	223271	27.224	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	129297	26.299	ug/L	93
46) Tetrachloroethene	10.72	164	121201	26.503	ug/L	96
48) 2-Hexanone	10.83	43	241965	48.498	ug/L	98
49) Dibromochloromethane	10.99	129	146855	26.509	ug/L	100
50) 1,2-Dibromoethane	11.09	107	128600	25.863	ug/L	95
51) Chlorobenzene	11.52	112	421016	27.189	ug/L	98
52) Ethylbenzene	11.60	91	765137	27.667	ug/L	99
53) m,p-Xylene	11.70	106	291572	27.514	ug/L	99
54) o-Xylene	12.03	106	283556	27.550	ug/L	97
55) Styrene	12.05	104	485577	27.898	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	169299	25.403	ug/L	99
59) Bromoform	12.20	173	93197	26.798	ug/L	99
60) Isopropylbenzene	12.33	105	748499	28.668	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	136190	26.229	ug/L	98
62) 1,3,5-Trimethylbenzene	12.74	105	2596	0.121	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	609179	28.873	ug/L	92
64) 1,3-Dichlorobenzene	13.36	146	321437	27.465	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	322736	27.406	ug/L	100
67) 1,2-Dichlorobenzene	13.74	146	303534	27.692	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.36	75	30920	25.725	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	222092	27.492	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	196899	26.760	ug/L	98
71) Naphthalene	15.23	128	510162	26.540	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	182274	26.740	ug/L	99

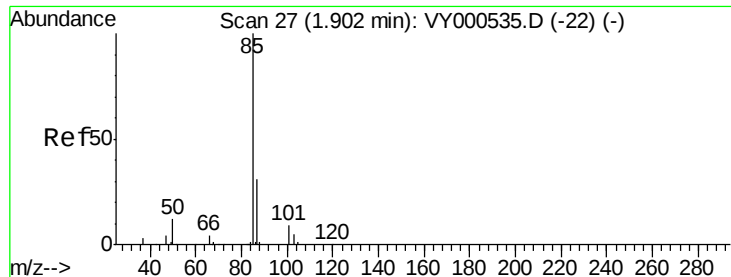
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.000 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

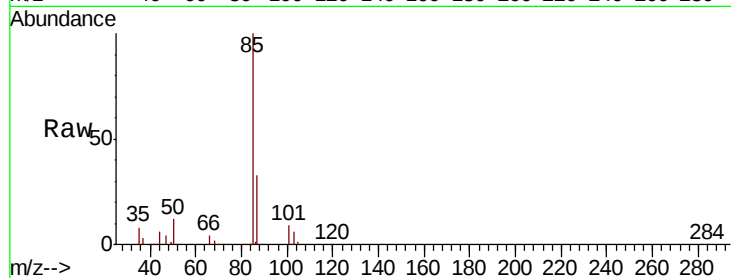
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 85 Resp: 125543

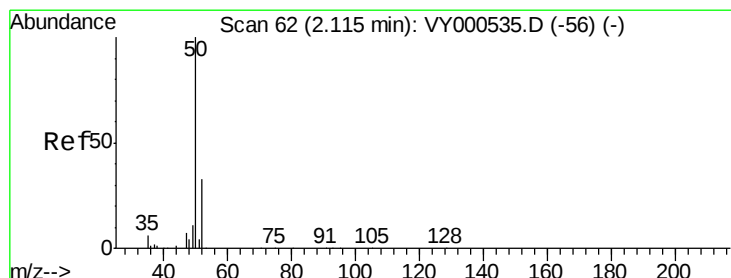
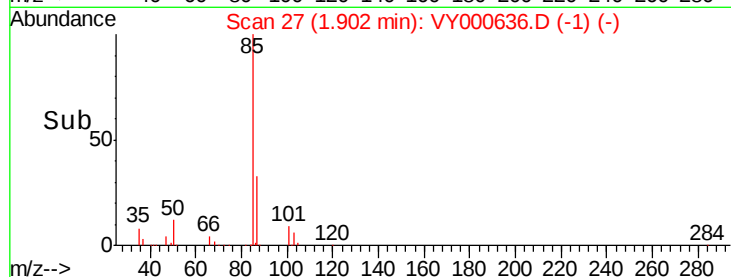
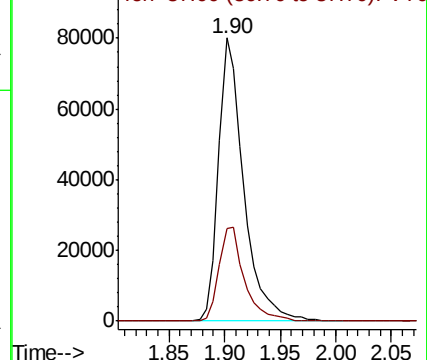
Ion Ratio Lower Upper

85 100

87 33.6 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: 25.060 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000636.D

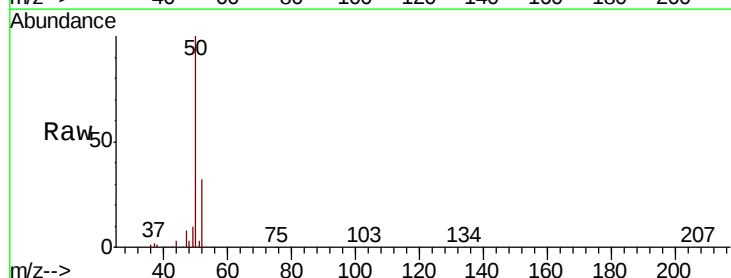
Acq: 11 Nov 2019 12:27

Tgt Ion: 50 Resp: 172126

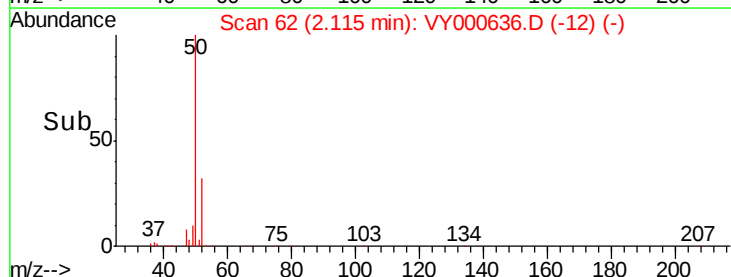
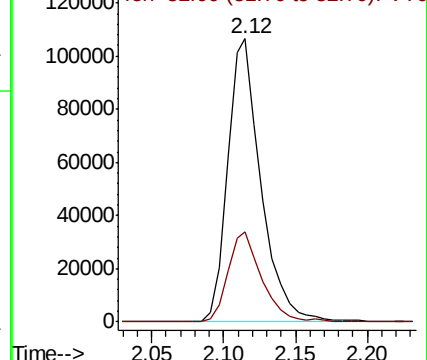
Ion Ratio Lower Upper

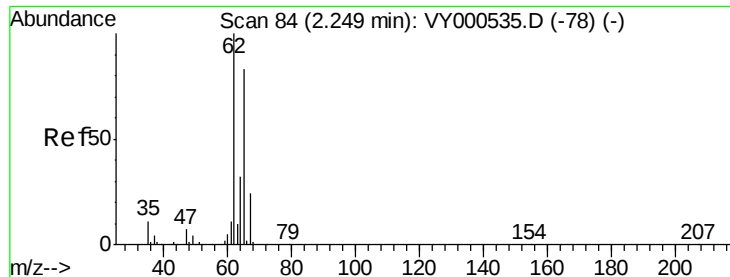
50 100

52 31.9 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: 27.029 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

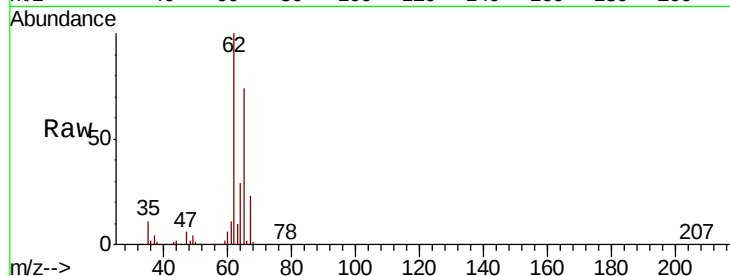
ClientSampleId :

Tot Ion: 62 Resp: 173349

Ion Ratio Lower Upper

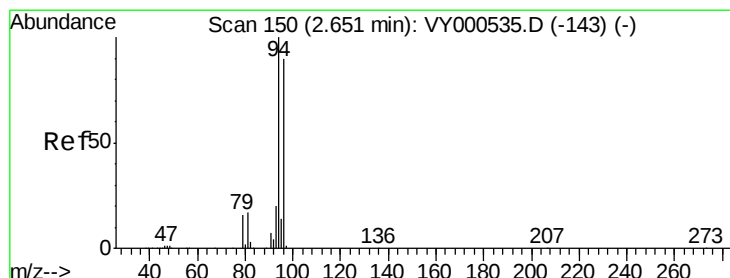
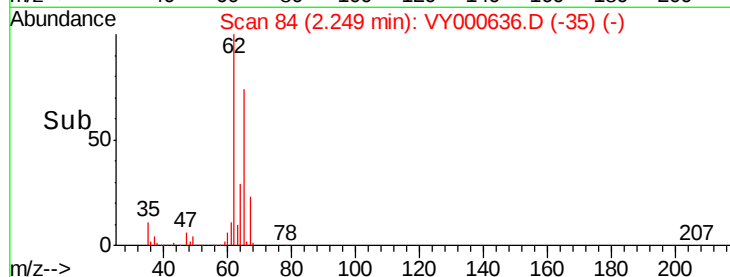
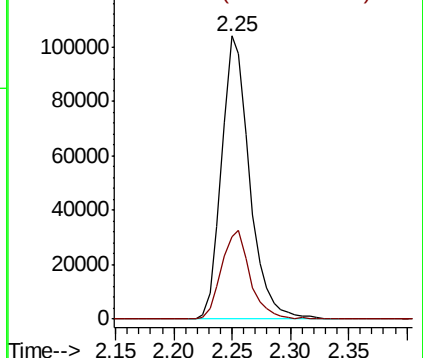
62 100

64 29.3 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: 28.115 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY000636.D

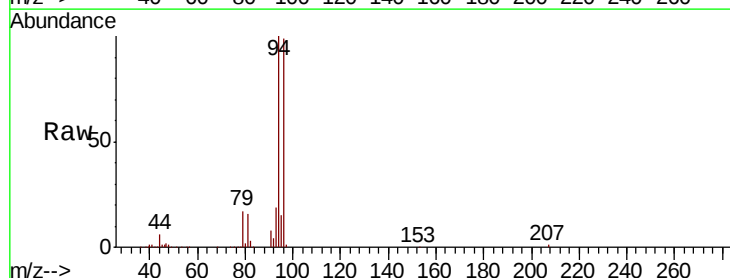
Acq: 11 Nov 2019 12:27

Tgt Ion: 94 Resp: 82548

Ion Ratio Lower Upper

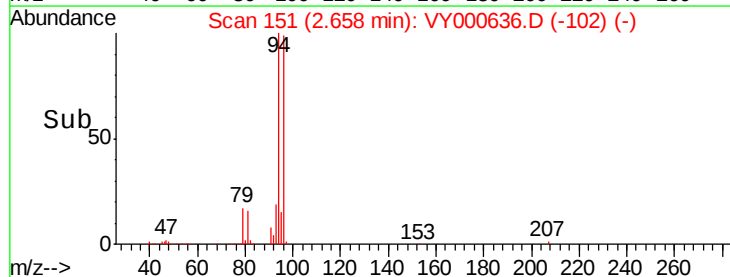
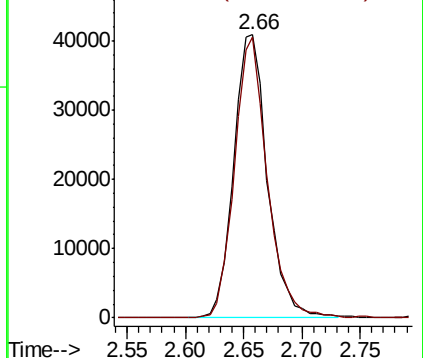
94 100

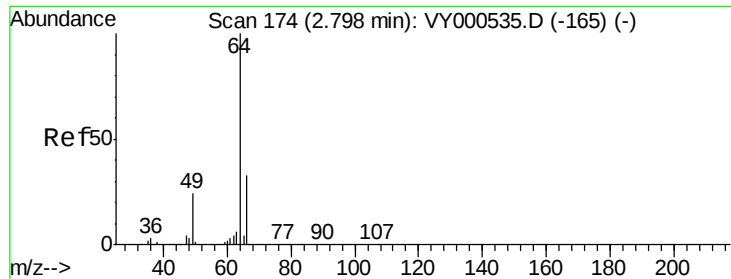
96 99.0 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

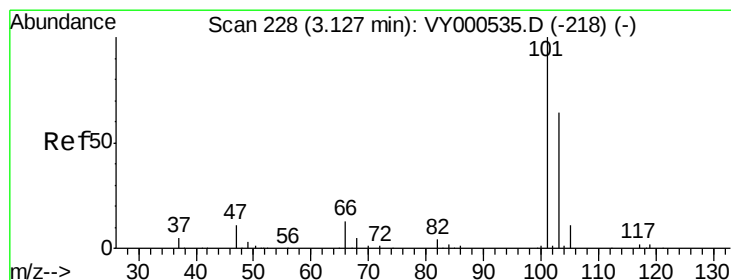
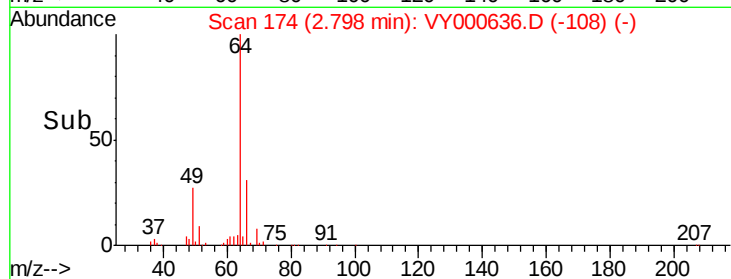
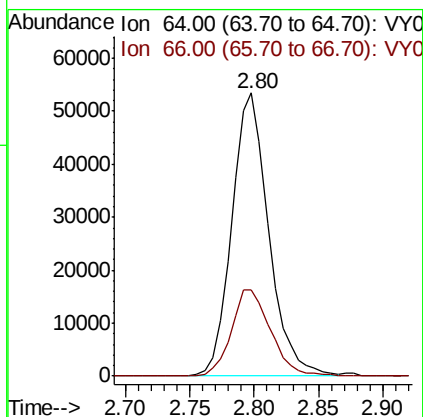
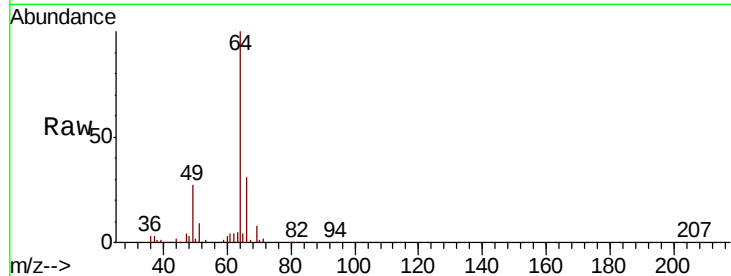




#8
Chloroethane
Concen: 26.906 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

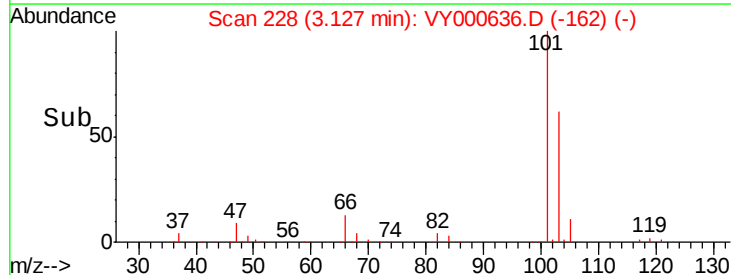
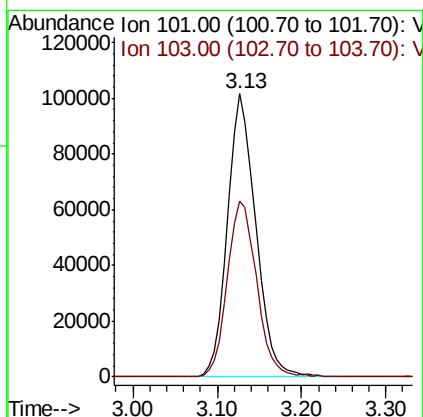
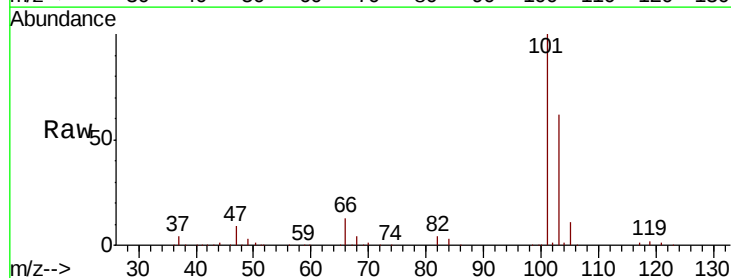
Instrument :
MSVOA_Y
ClientSampleId :

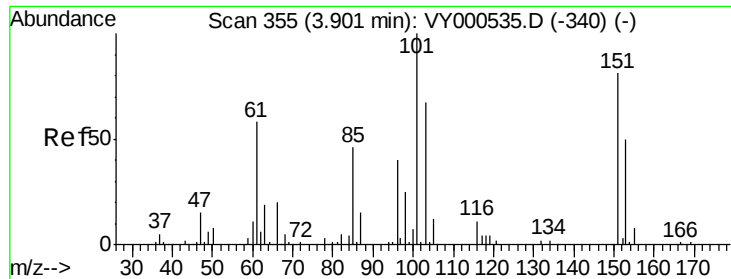
Tot Ion: 64 Resp: 106493
Ion Ratio Lower Upper
64 100
66 30.6 20.9 38.7



#9
Trichlorofluoromethane
Concen: 25.808 ug/L
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion:101 Resp: 233553
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1





#10

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

Concen: 25.907 ug/L

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

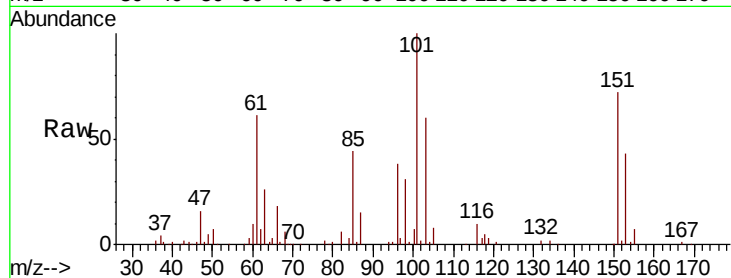
Tot Ion:101 Resp: 136125

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.8

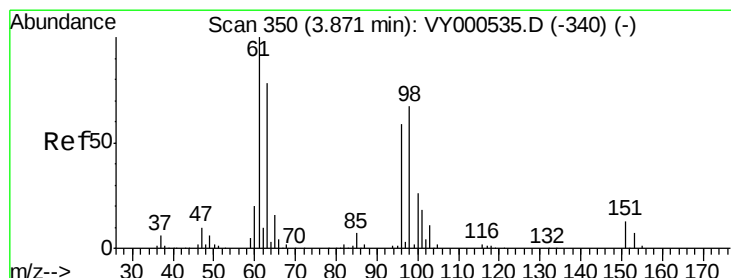
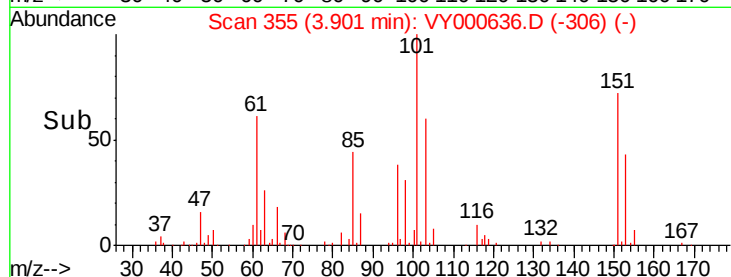
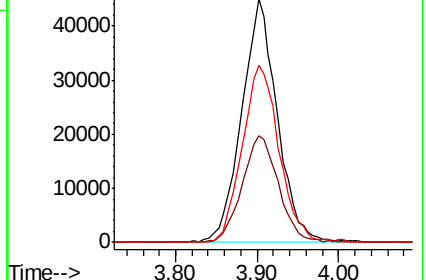
151 75.1 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000535.D (-340) (-)

Ion 85.00 (84.70 to 85.70): VY000535.D (-340) (-)

Ion 151.00 (150.70 to 151.70): VY000535.D (-340) (-)



#12

1,1-Dichloroethene

Concen: 26.465 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

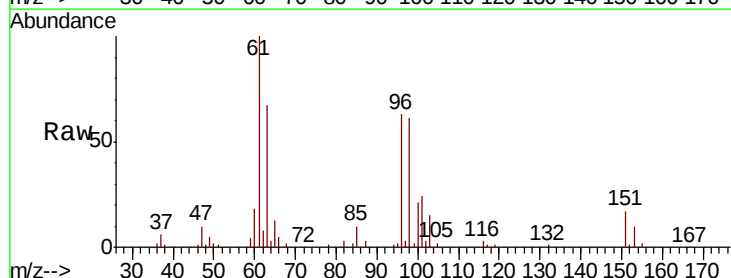
Tgt Ion: 96 Resp: 132311

Ion Ratio Lower Upper

96 100

61 159.8 118.6 220.2

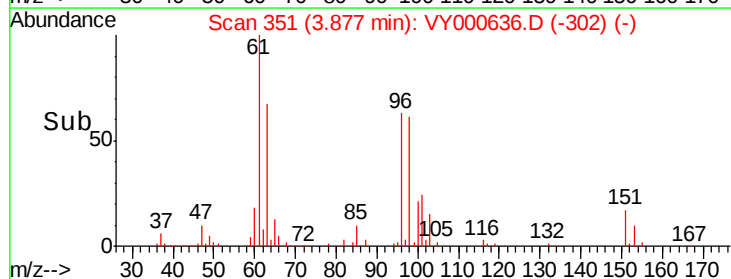
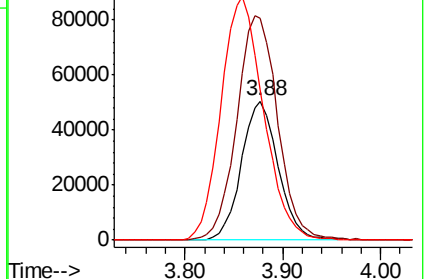
63 107.7 77.8 144.6

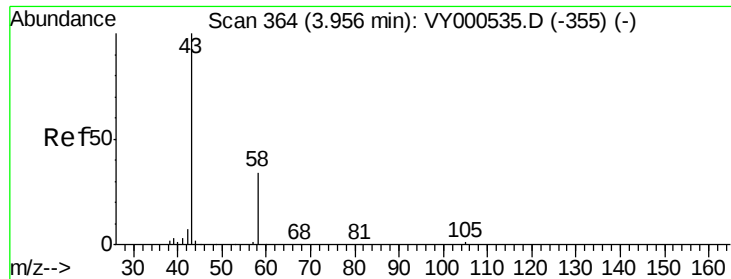


Abundance Ion 96.00 (95.70 to 96.70): VY000535.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY000535.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY000535.D (-340) (-)





#13

Acetone

Concen: 32.785 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

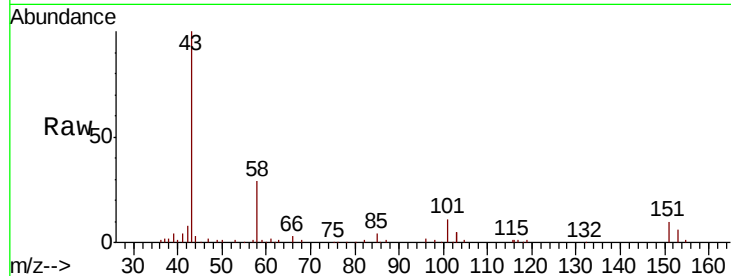
ClientSampled :

Tot Ion: 43 Resp: 78745

Ion Ratio Lower Upper

43 100

58 32.5 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

25000

20000

15000

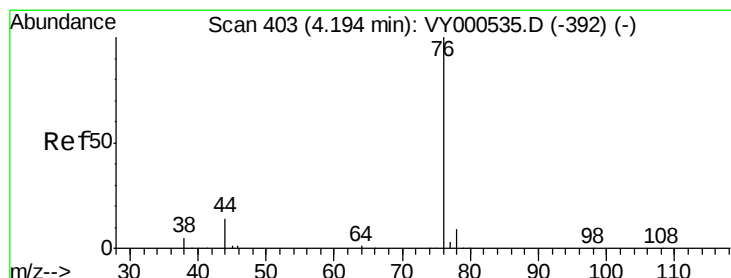
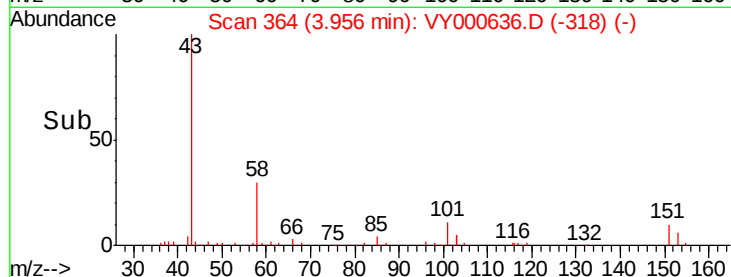
10000

5000

0

3.90 4.00 4.10

Time-->



#14

Carbon disulfide

Concen: 27.161 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000636.D

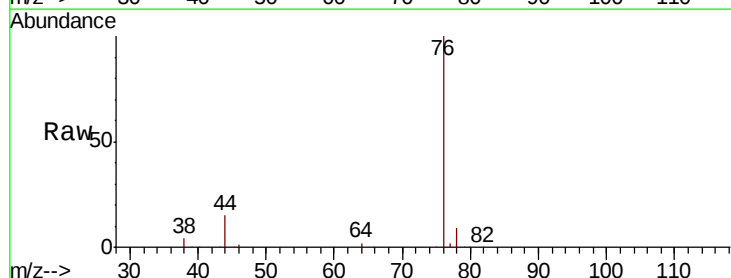
Acq: 11 Nov 2019 12:27

Tgt Ion: 76 Resp: 430623

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.19

150000

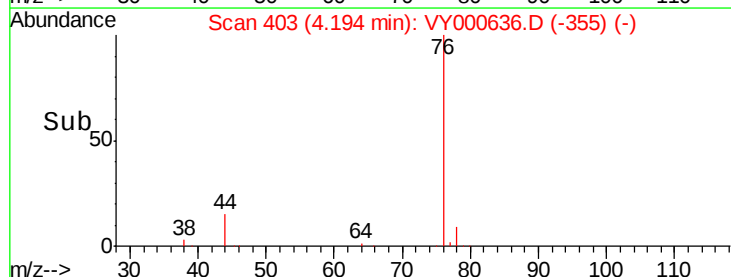
100000

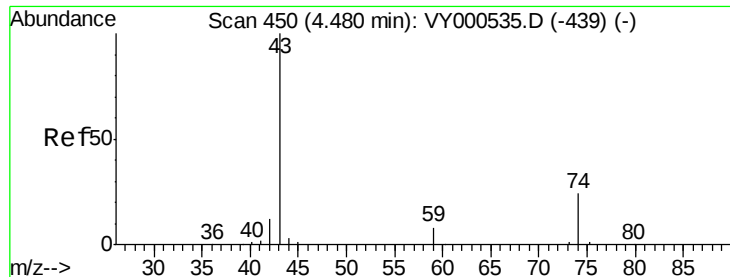
50000

0

4.10 4.20 4.30

Time-->





#15

Methvl Acetate

Concen: 23.902 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

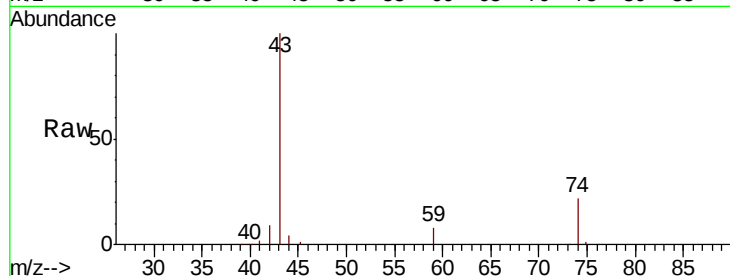
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 102300

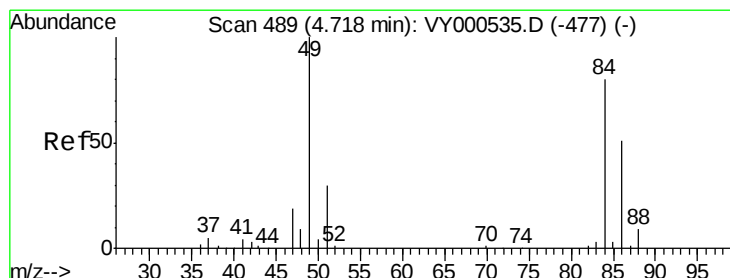
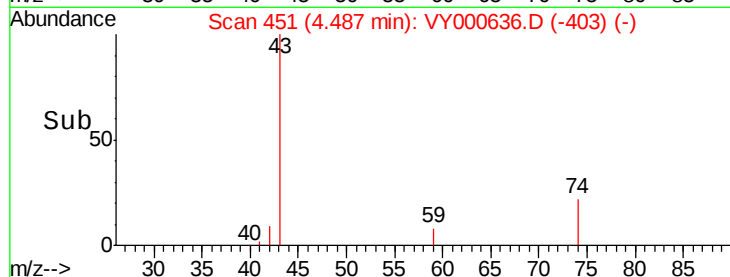
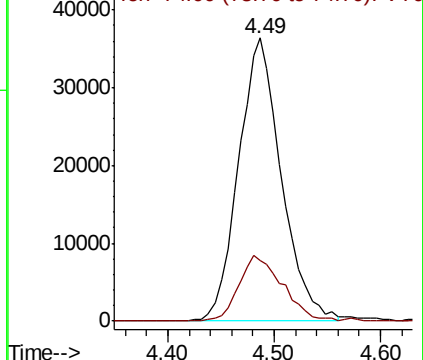
Ion Ratio Lower Upper

43 100

74 23.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 25.429 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

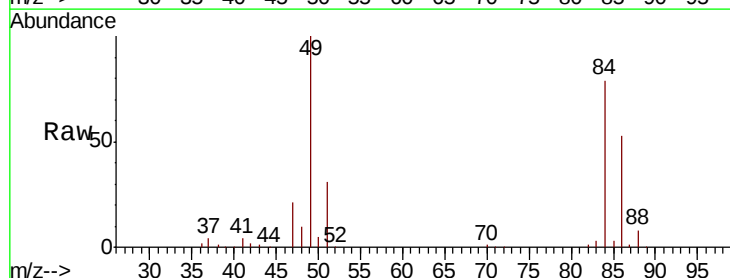
Tgt Ion: 84 Resp: 155970

Ion Ratio Lower Upper

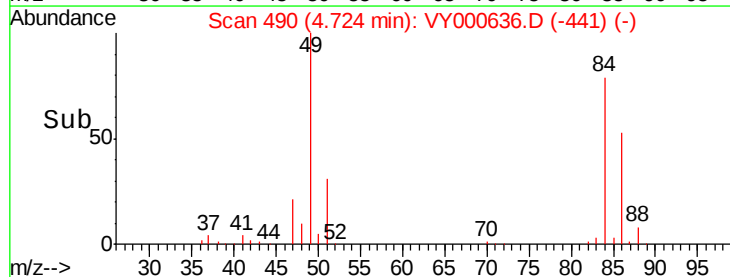
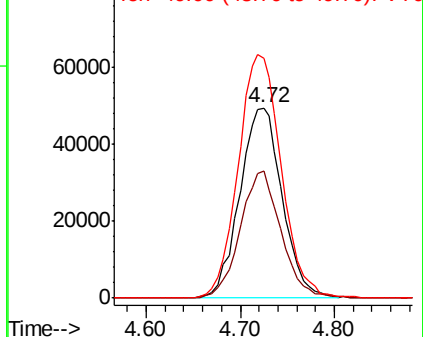
84 100

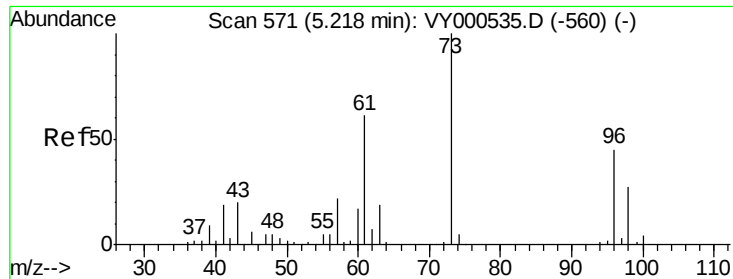
86 67.0 43.4 80.6

49 126.0 92.3 171.3



Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0





#17

trans-1,2-Dichloroethene

Concen: 26.579 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :
MSVOA_Y
ClientSampled :

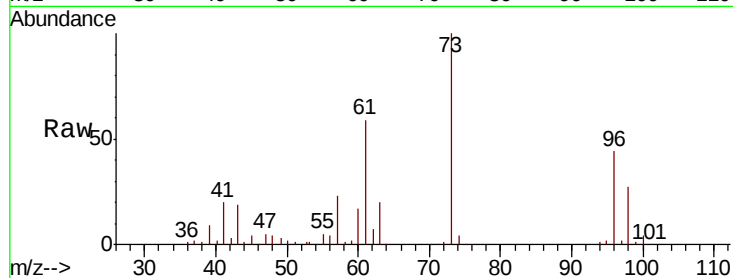
Tot Ion: 96 Resp: 147663

Ion Ratio Lower Upper

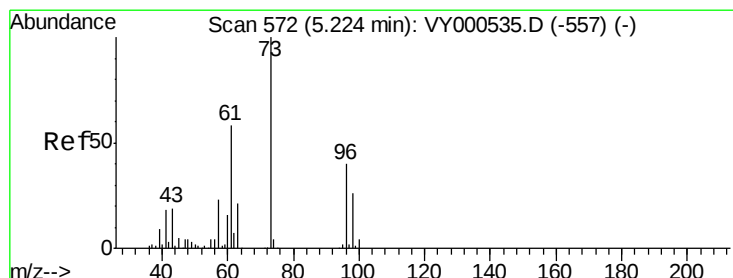
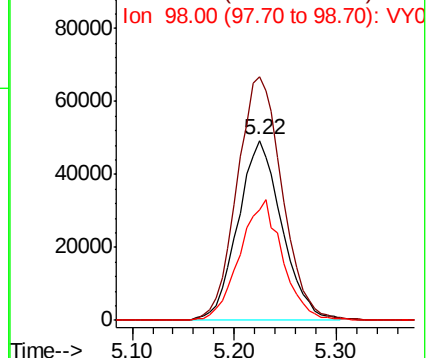
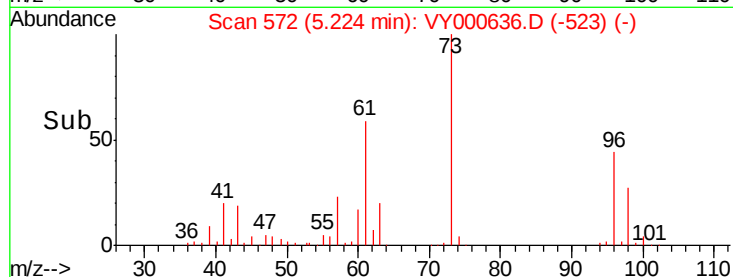
96 100

61 135.5 86.9 161.5

98 61.3 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: 26.131 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

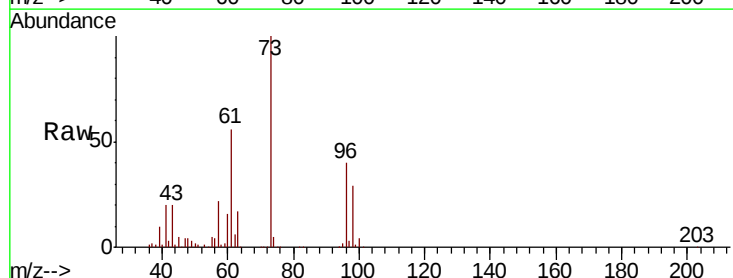
Tgt Ion: 73 Resp: 413694

Ion Ratio Lower Upper

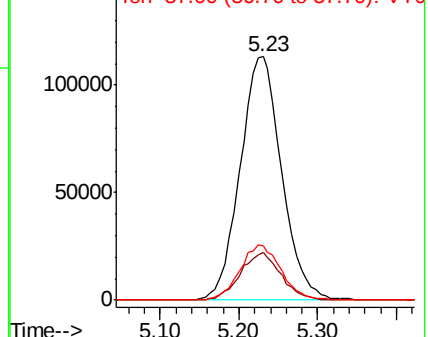
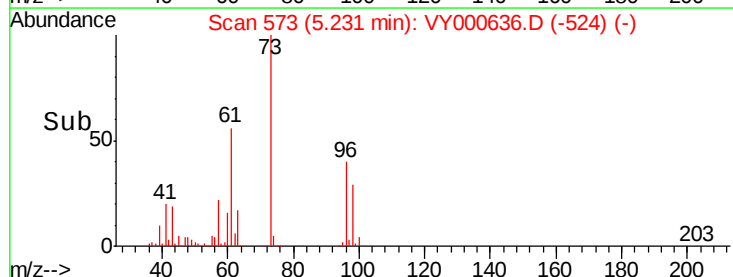
73 100

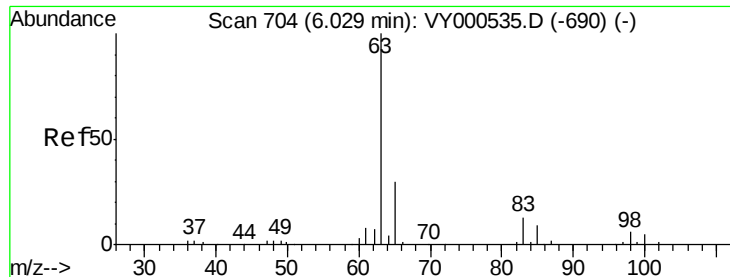
43 19.2 15.7 23.5

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

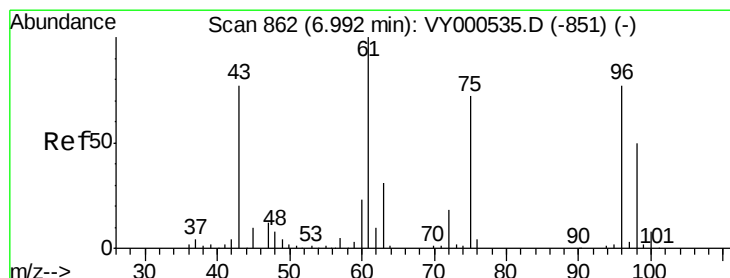
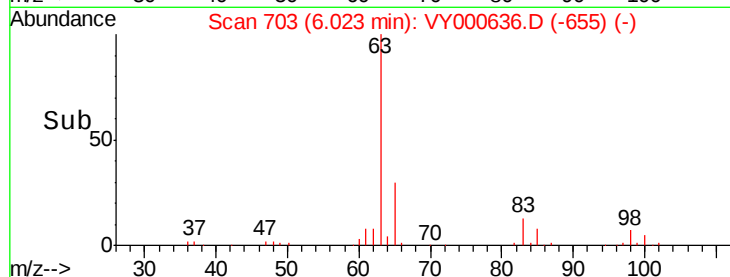
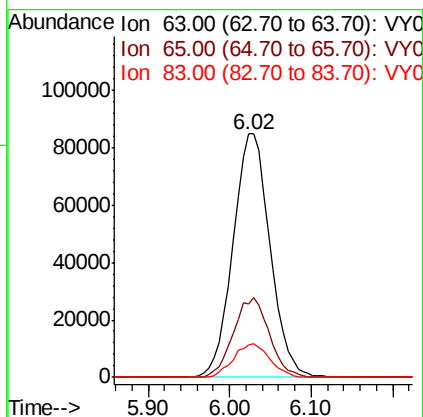
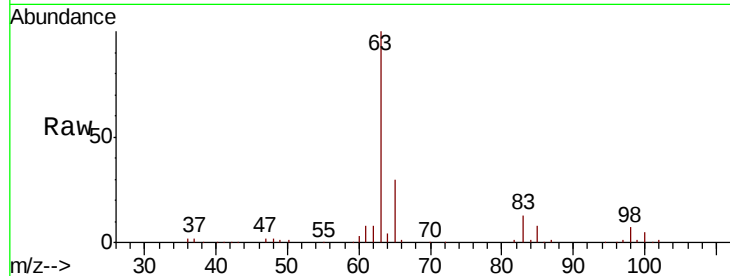




#19
 1,1-Dichloroethane
 Concen: 27.381 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

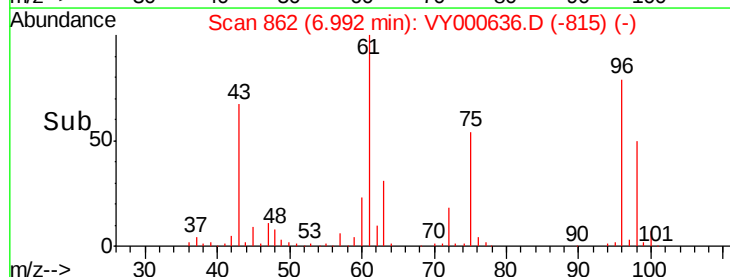
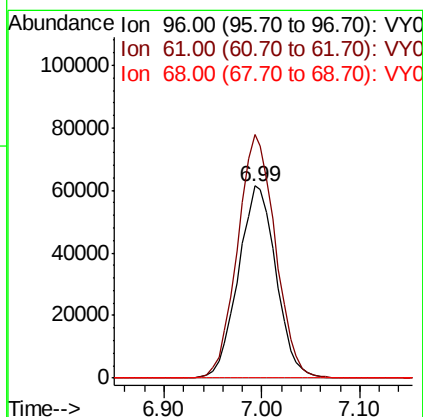
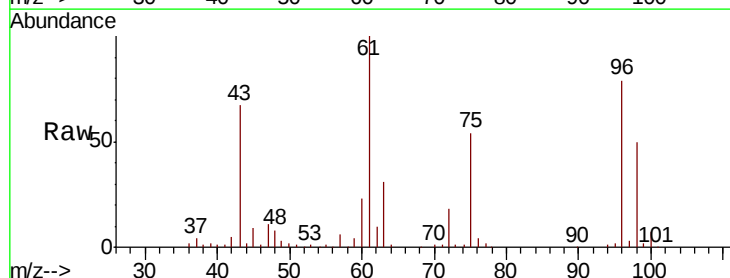
Instrument :
 MSVOA_Y
 ClientSampled :

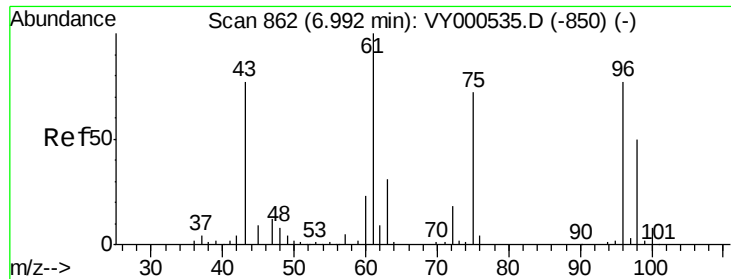
Tot Ion: 63 Resp: 266641
 Ion Ratio Lower Upper
 63 100
 65 30.2 20.2 37.4
 83 13.5 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 26.424 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion: 96 Resp: 164354
 Ion Ratio Lower Upper
 96 100
 61 126.6 83.7 155.4
 68 0.1 0.0 0.0#





#22

2-Butanone

Concen: 40.120 ug/L

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

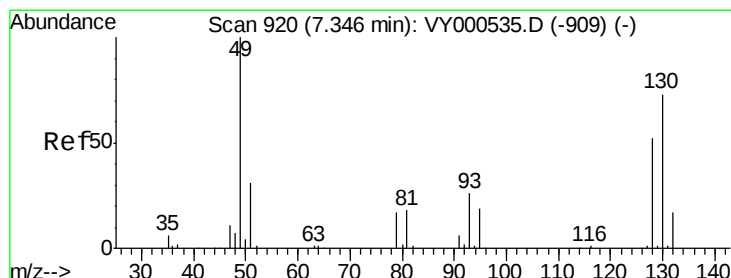
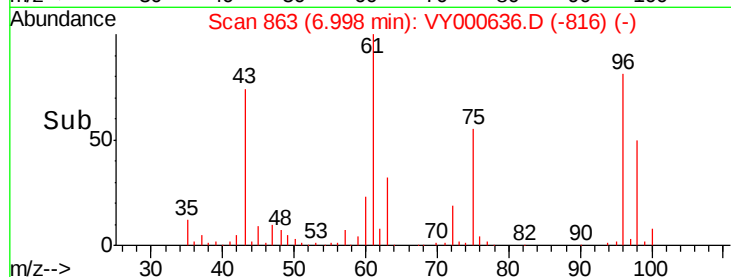
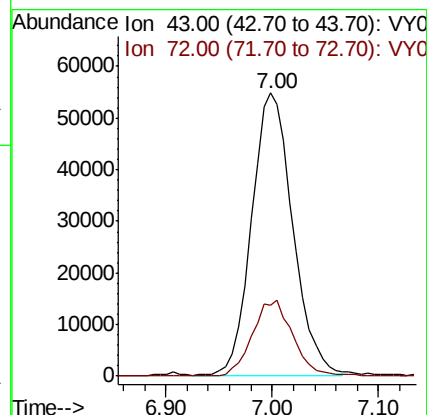
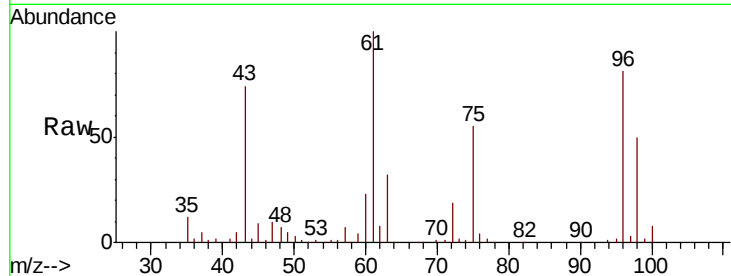
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 147637

Ion Ratio Lower Upper

43 100

72 26.5 13.6 40.8



#23

Bromochloromethane

Concen: 25.810 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Tgt Ion:128 Resp: 72169

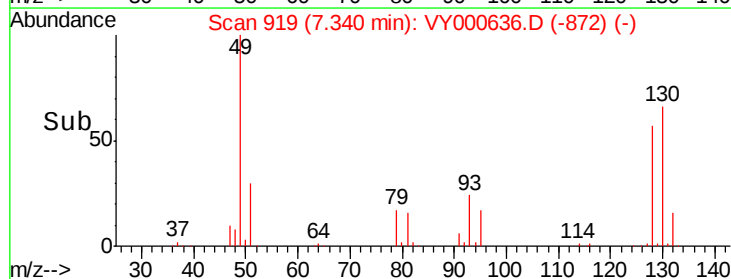
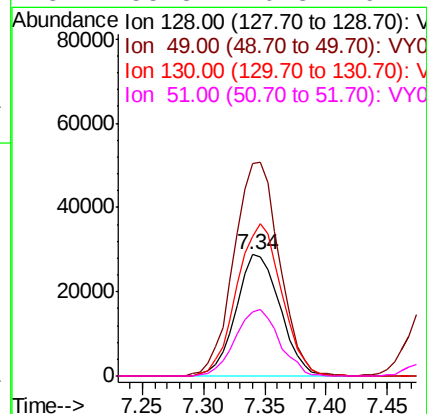
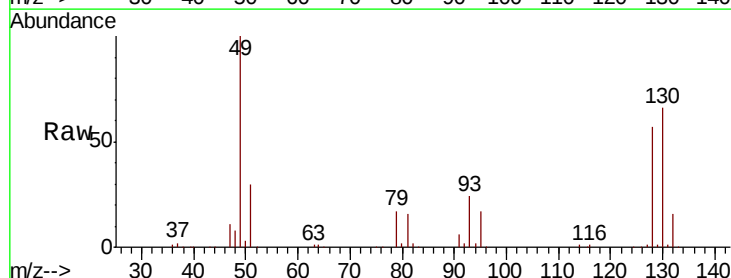
Ion Ratio Lower Upper

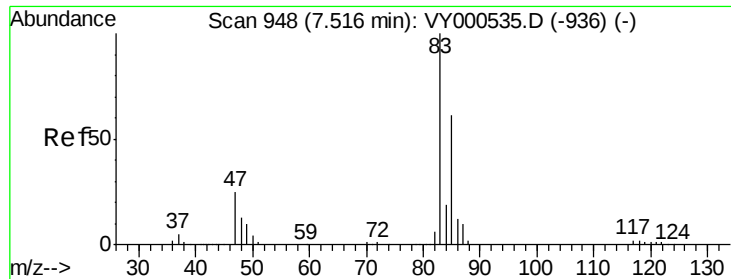
128 100

49 175.3 119.8 222.4

130 115.6 89.8 166.8

51 53.3 40.8 61.2

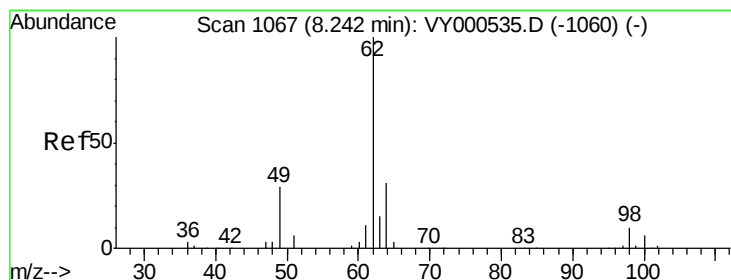
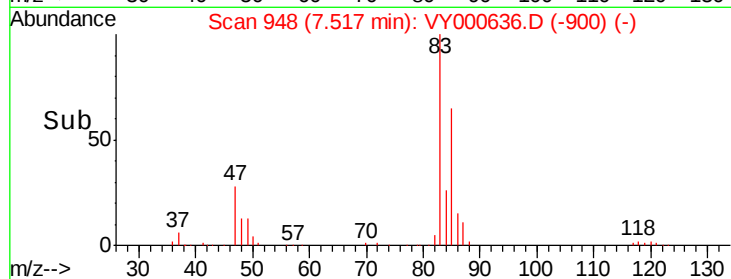
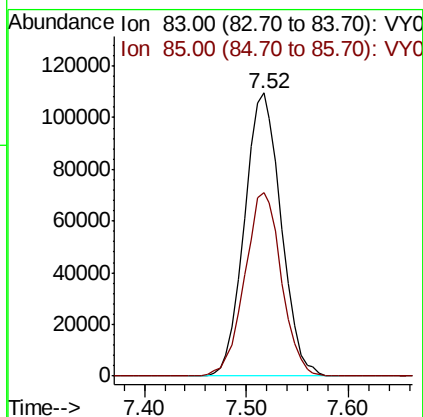
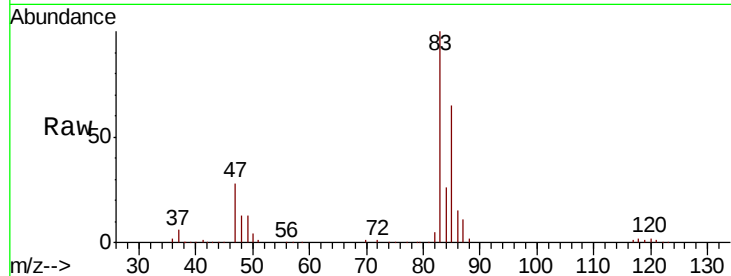




#25
Chloroform
Concen: 27.196 ug/L
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

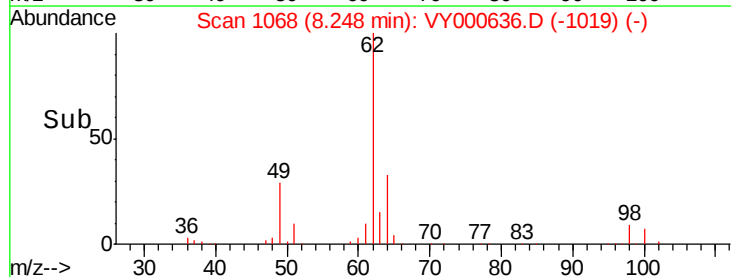
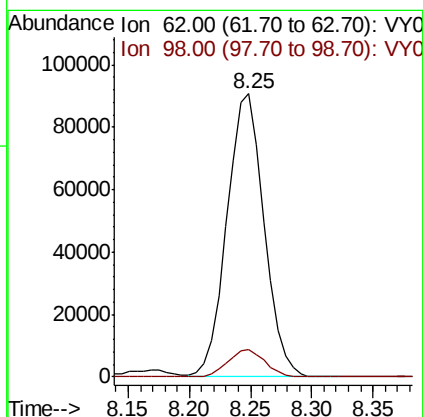
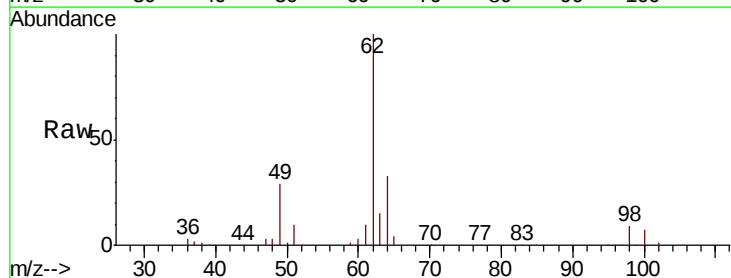
Instrument :
MSVOA_Y
ClientSampled :

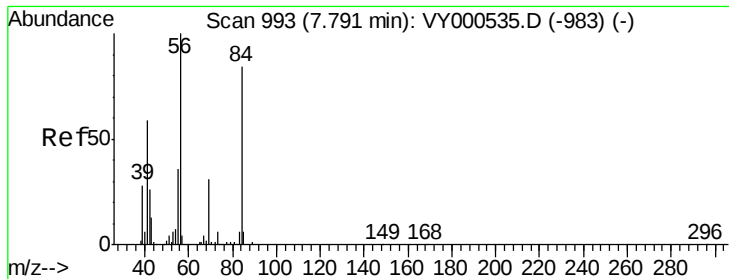
Tot Ion: 83 Resp: 273515
Ion Ratio Lower Upper
83 100
85 64.6 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.462 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion: 62 Resp: 190106
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.8

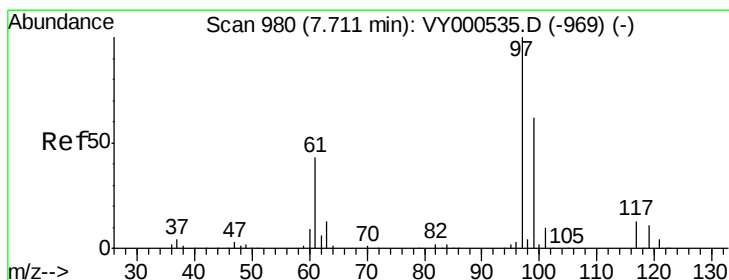
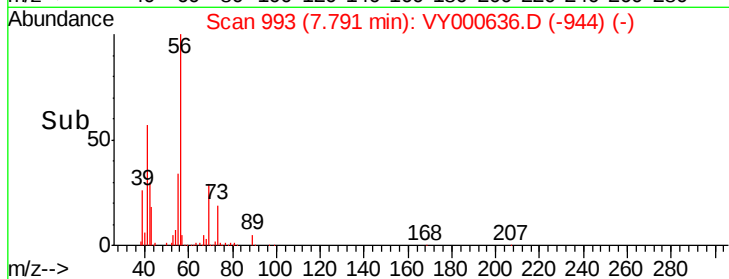
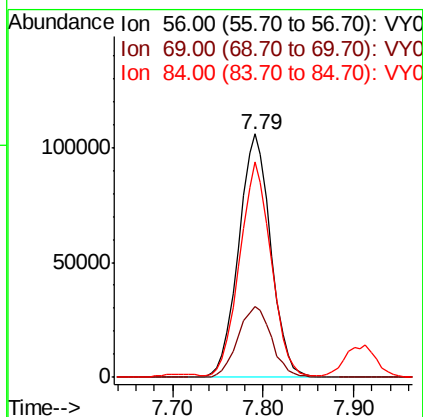
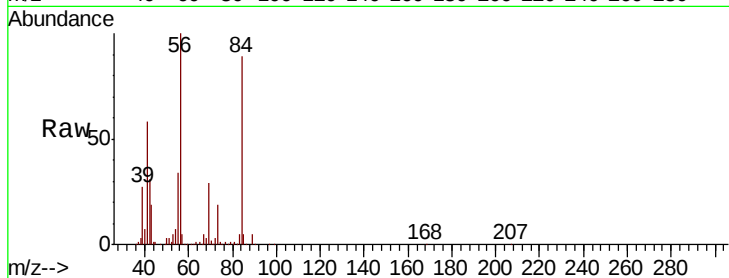




#29
Cyclohexane
Concen: 27.459 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

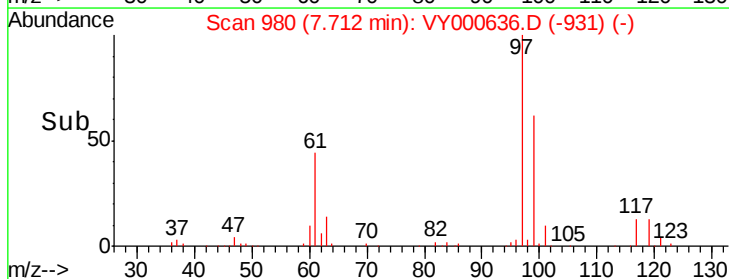
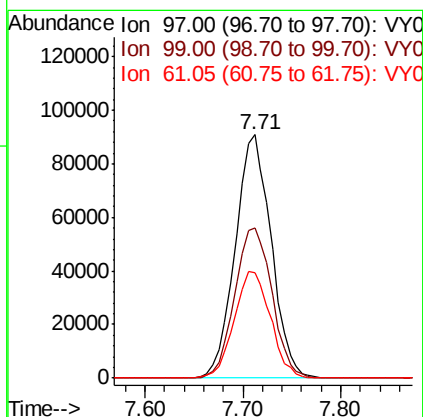
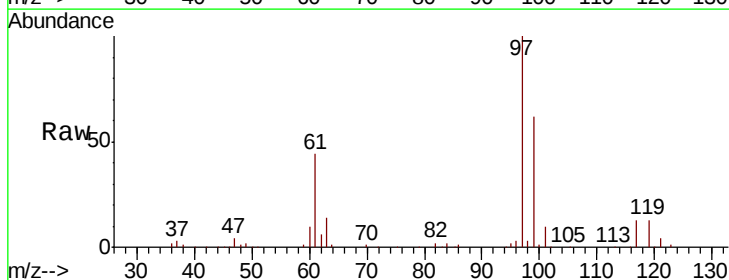
Instrument :
MSVOA_Y
ClientSampled :

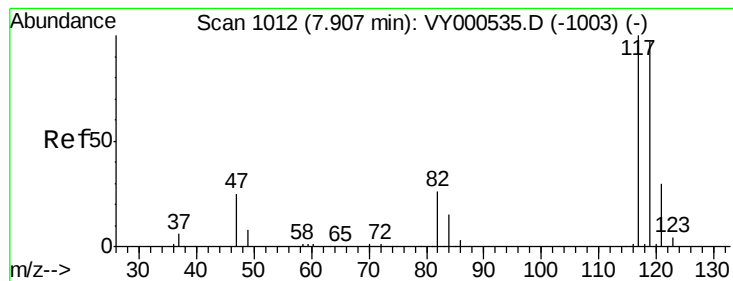
Tot Ion: 56 Resp: 259249
Ion Ratio Lower Upper
56 100
69 30.3 23.4 35.2
84 87.5 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 27.768 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion: 97 Resp: 231521
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 44.1 35.4 53.0





#31

Carbon tetrachloride

Concen: 27.183 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

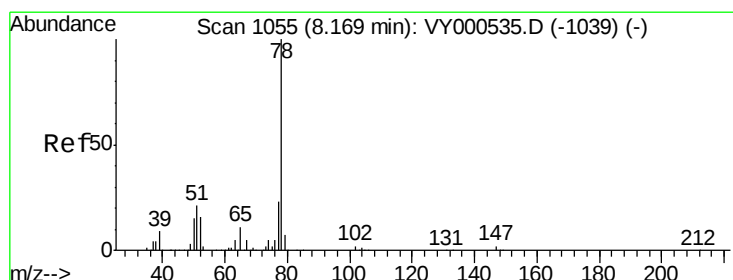
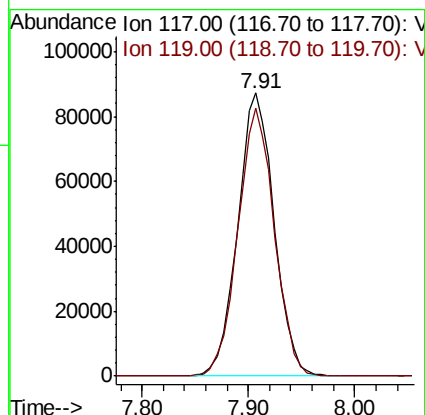
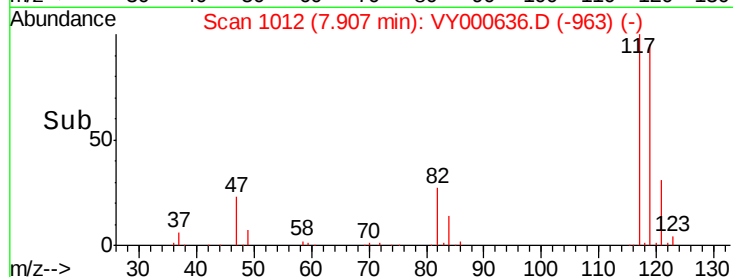
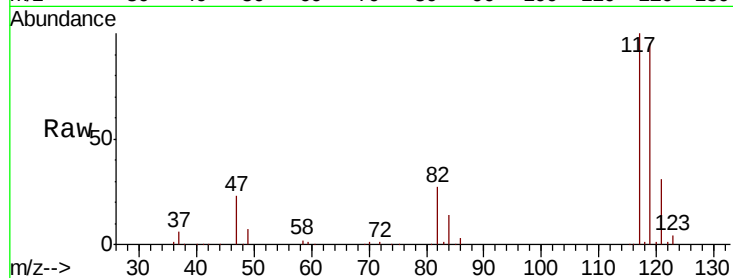
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 208997

Ion Ratio Lower Upper

117 100

119 94.7 76.2 114.2



#33

Benzene

Concen: 27.437 ug/L

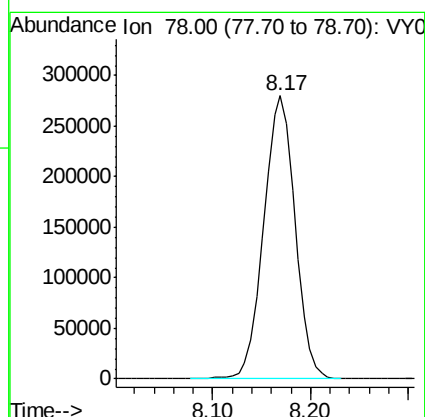
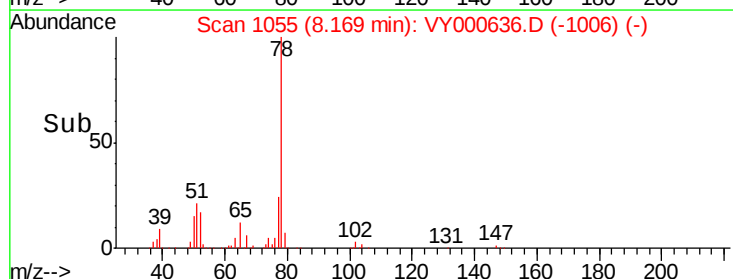
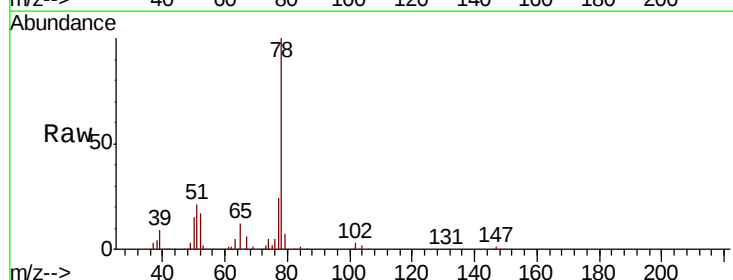
RT: 8.17 min Scan# 1055

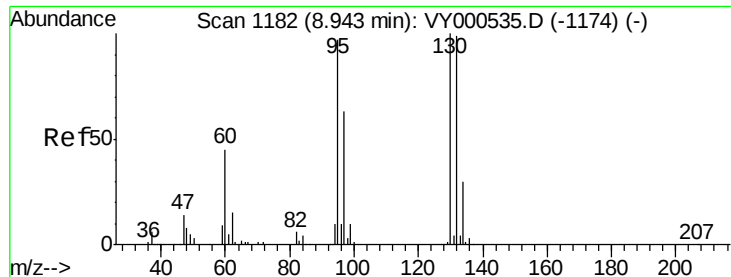
Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Tgt Ion: 78 Resp: 622847

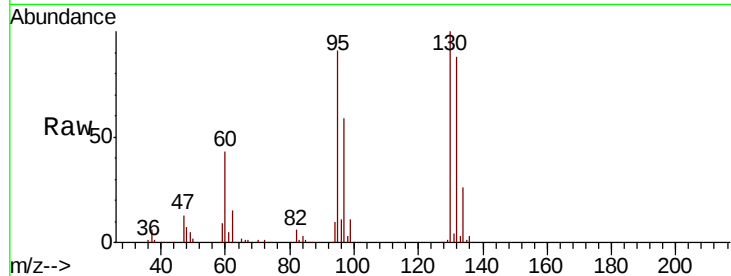




#34
 Trichloroethene
 Concen: 27.009 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	95	Resp	161805
Ion	Ratio	Lower	Upper
95	100		
97	65.0	41.4	76.8
132	97.0	69.7	129.4
130	109.6	73.1	135.8



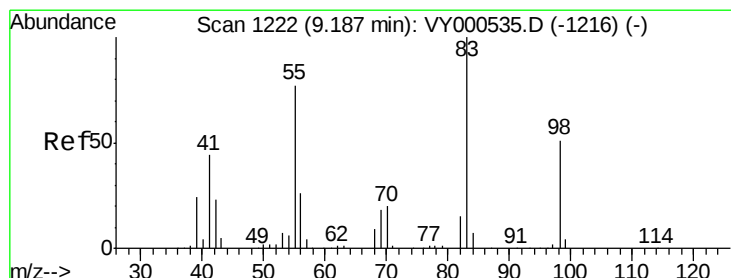
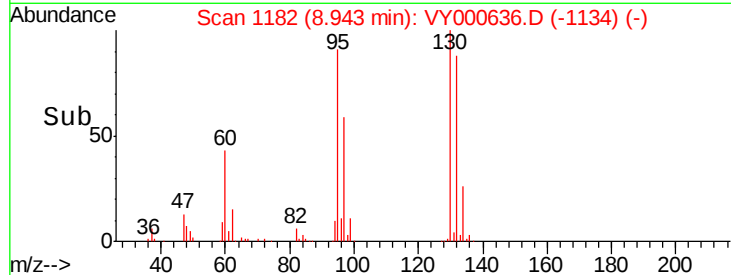
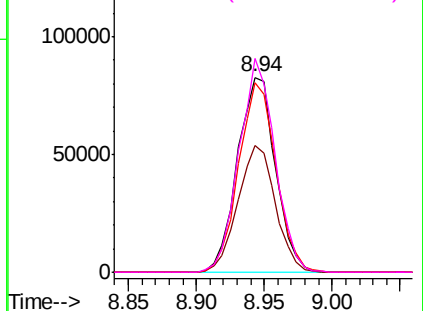
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

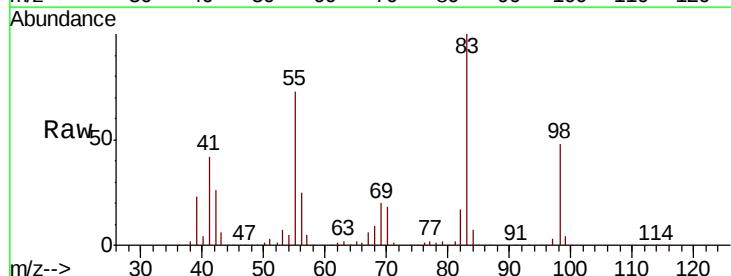
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35
 Methylcyclohexane
 Concen: 27.306 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion	83	Resp	280988
Ion	Ratio	Lower	Upper
83	100		
55	75.1	57.8	86.8
98	48.9	38.7	58.1

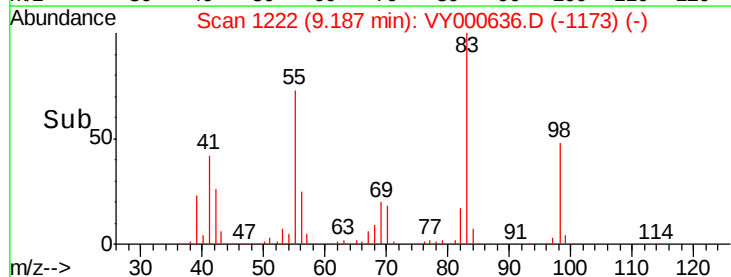
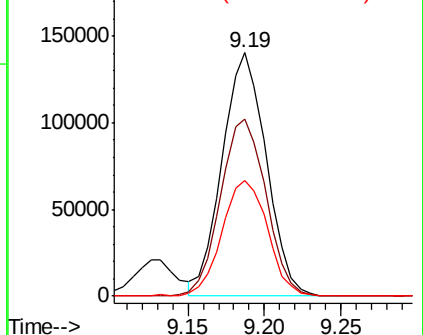


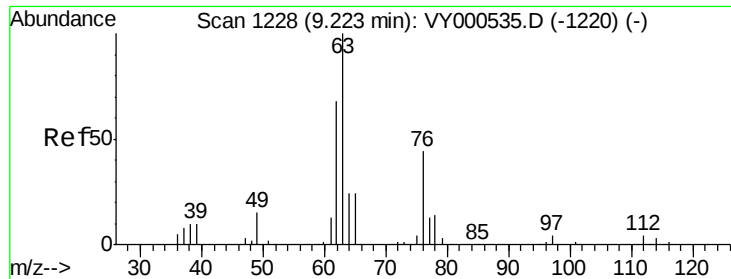
Abundance

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

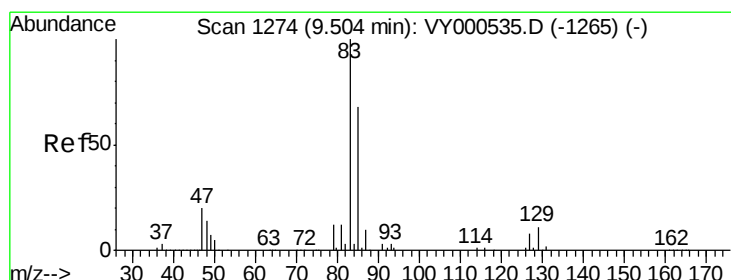
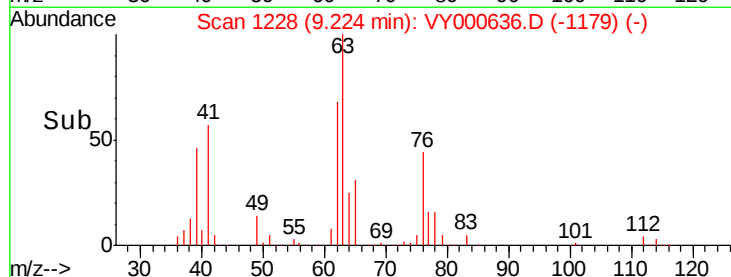
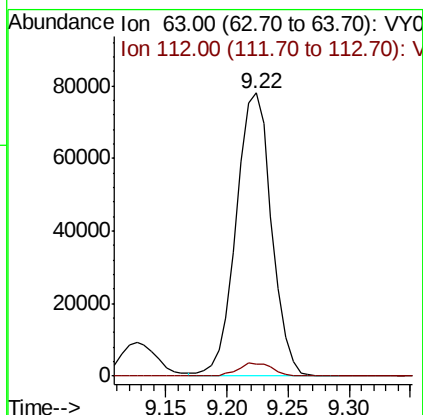
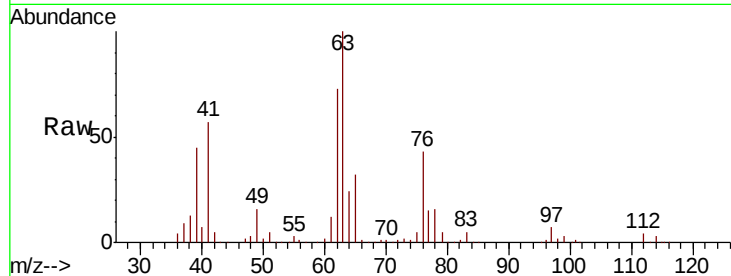




#37
 1,2-Dichloropropane
 Concen: 27.097 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

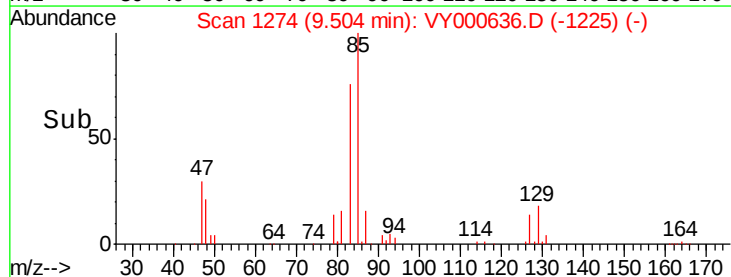
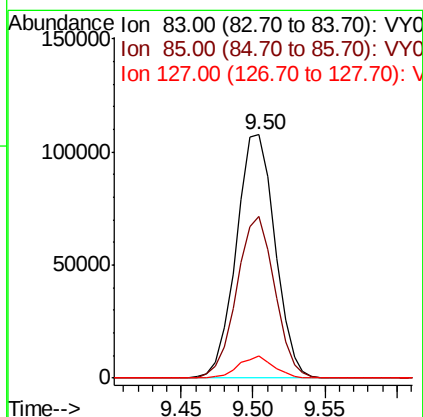
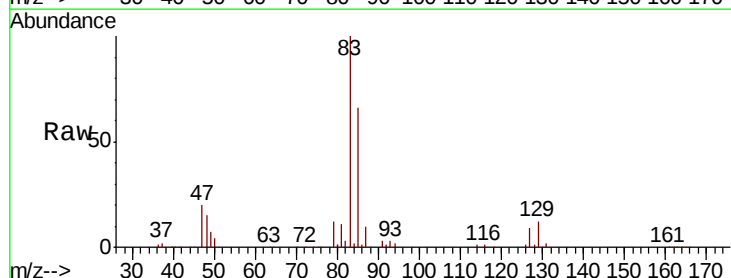
Instrument :
 MSVOA_Y
 ClientSampled :

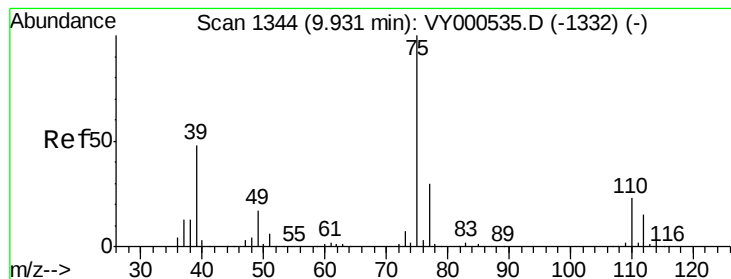
Tot Ion: 63 Resp: 156932
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 27.381 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion: 83 Resp: 201759
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.1 85.7
 127 9.0 6.5 9.7



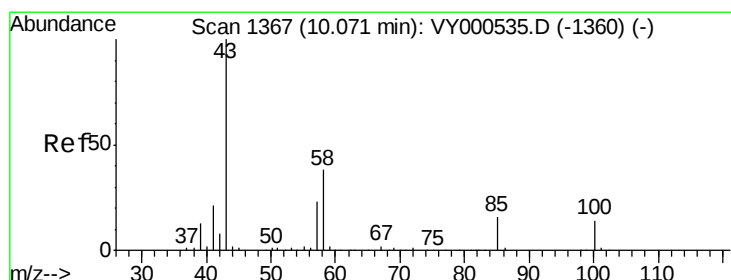
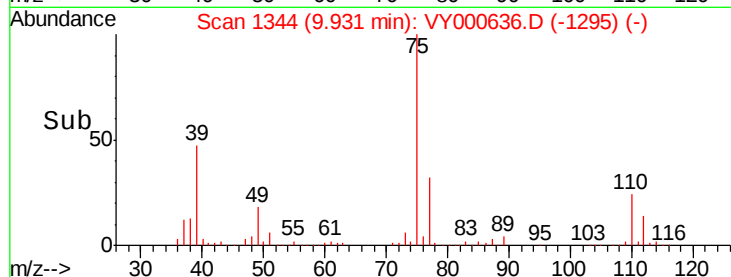
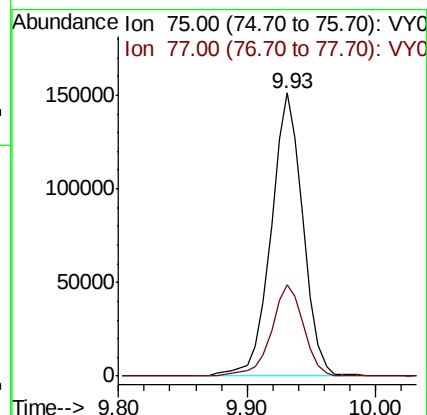
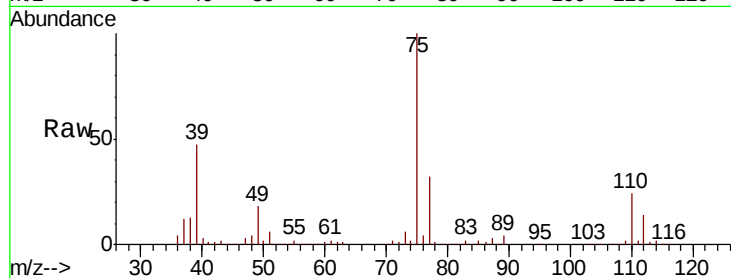


#39

cis-1,3-Dichloropropene
 Concen: 28.008 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :

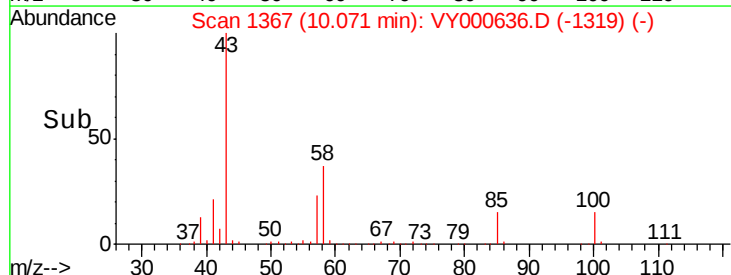
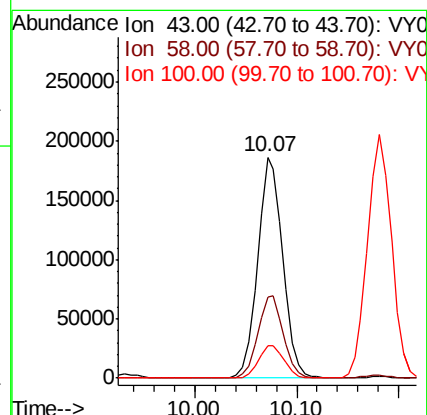
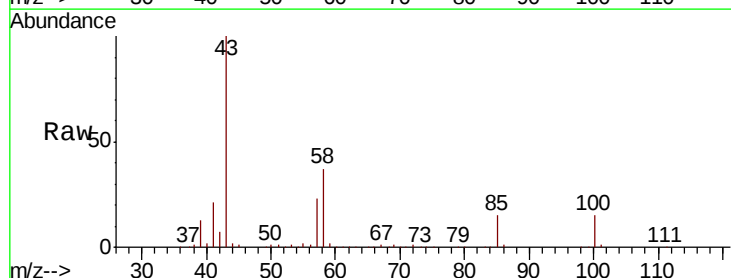
Tot Ion: 75 Resp: 259917
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.3 39.6

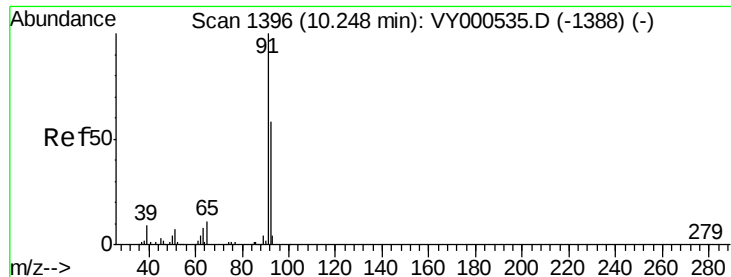


#40

4-Methyl-2-pentanone
 Concen: 50.053 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion: 43 Resp: 319445
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.6 45.8
 100 15.0 11.6 17.4





#42

Toluene

Concen: 27.727 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

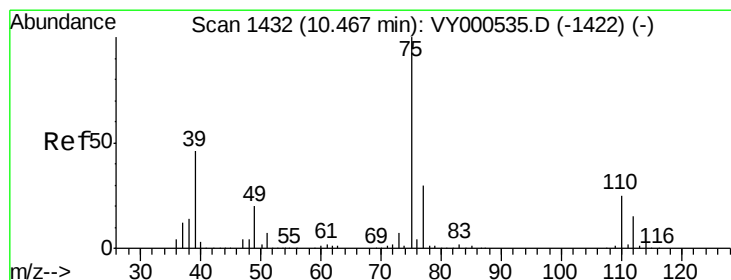
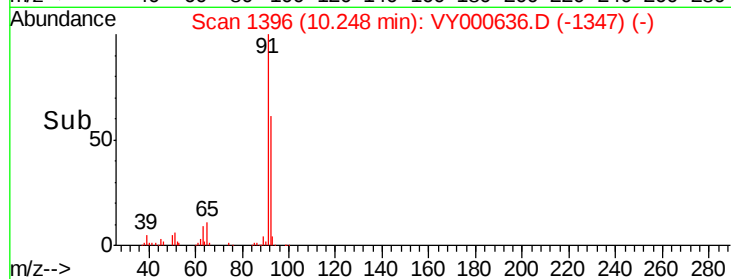
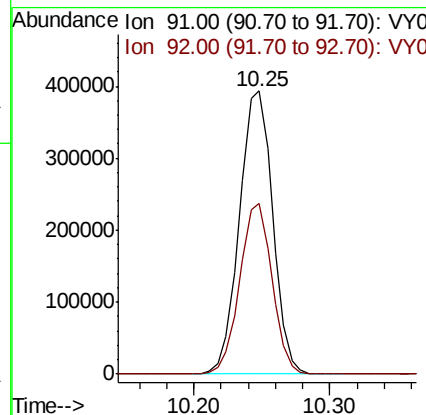
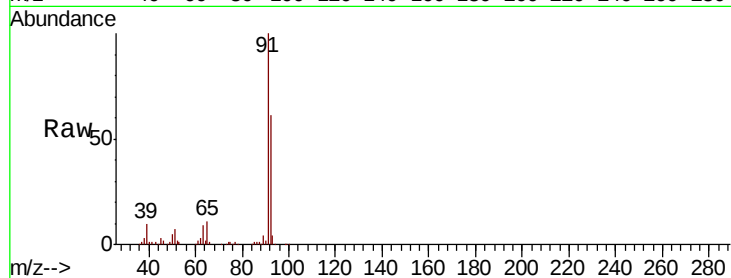
ClientSampleId :

Tot Ion: 91 Resp: 672187

Ion Ratio Lower Upper

91 100

92 60.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 27.224 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000636.D

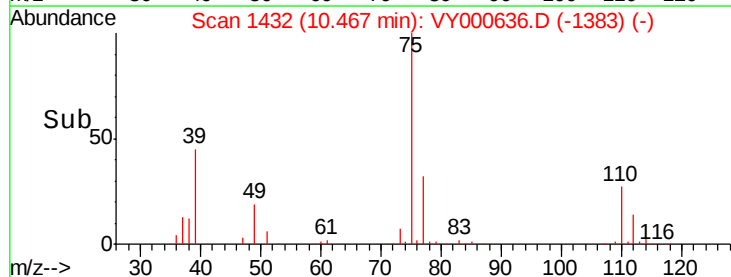
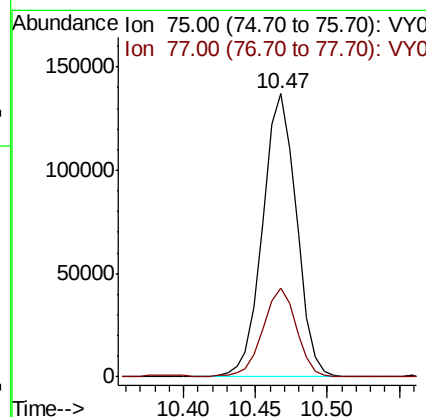
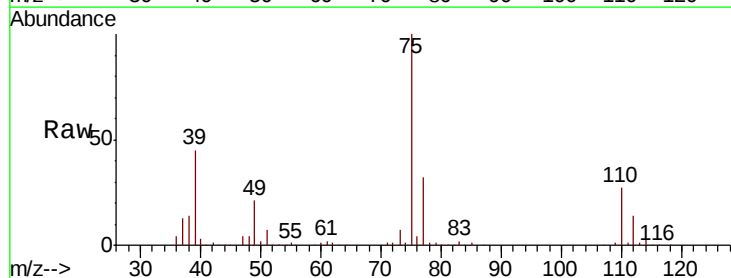
Acq: 11 Nov 2019 12:27

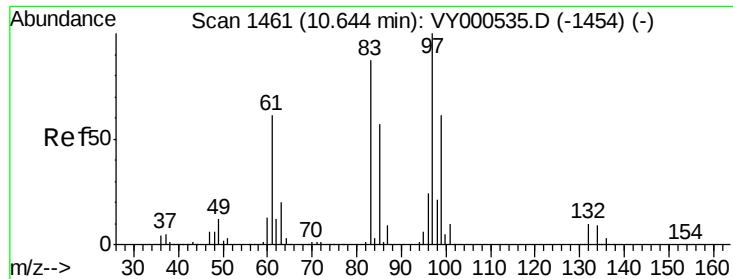
Tgt Ion: 75 Resp: 223271

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1

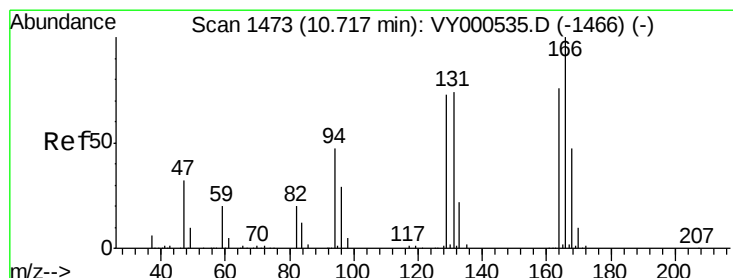
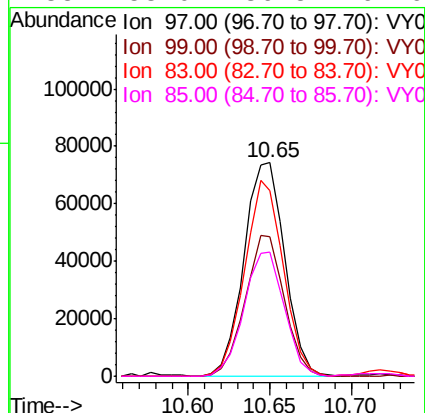
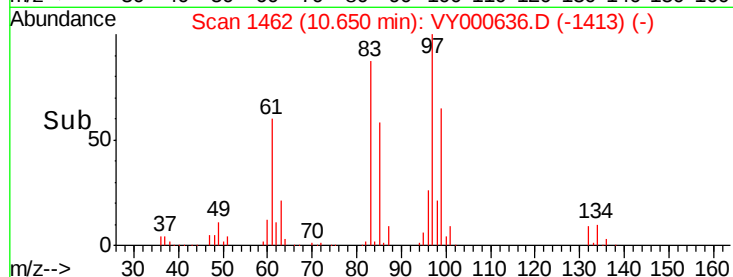
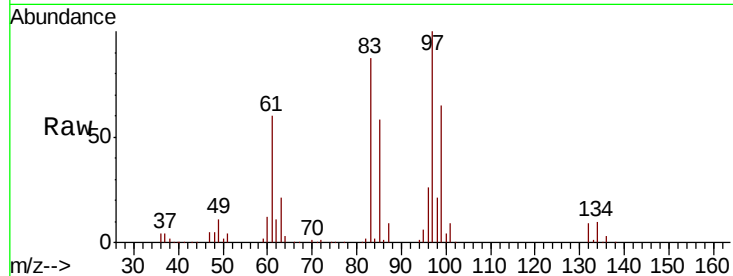




#45
1,1,2-Trichloroethane
Concen: 26.299 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

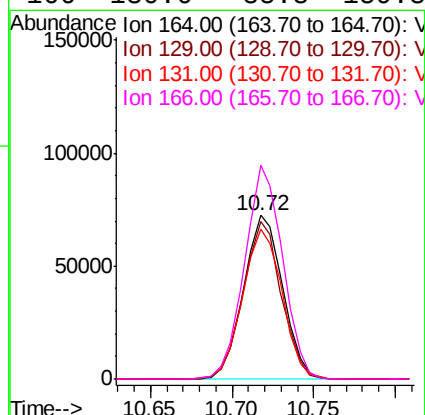
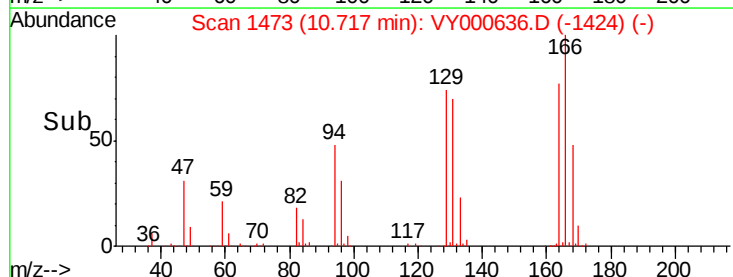
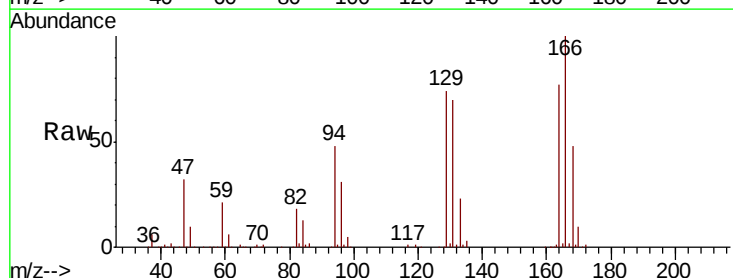
Instrument :
MSVOA_Y
ClientSampleId :

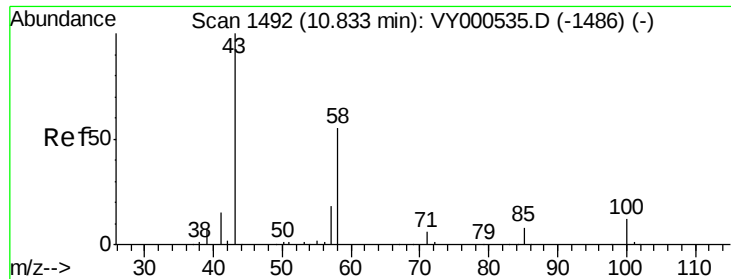
Tot Ion:	97	Resp:	129297
Ion	Ratio	Lower	Upper
97	100		
99	65.1	42.1	78.1
83	86.9	56.8	105.6
85	58.0	36.5	67.9



#46
Tetrachloroethene
Concen: 26.503 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion:	164	Resp:	121201
Ion	Ratio	Lower	Upper
164	100		
129	96.6	65.7	121.9
131	91.9	64.7	120.1
166	130.6	85.8	159.3

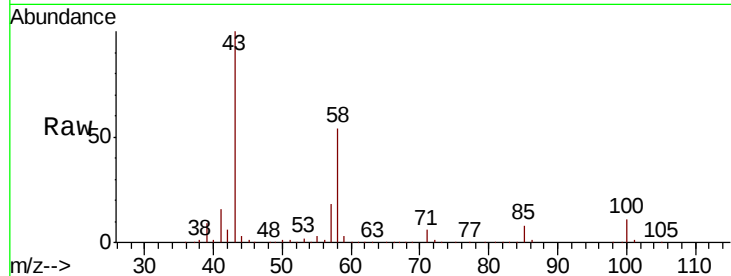




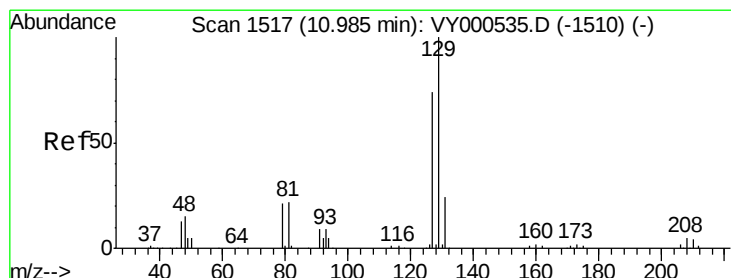
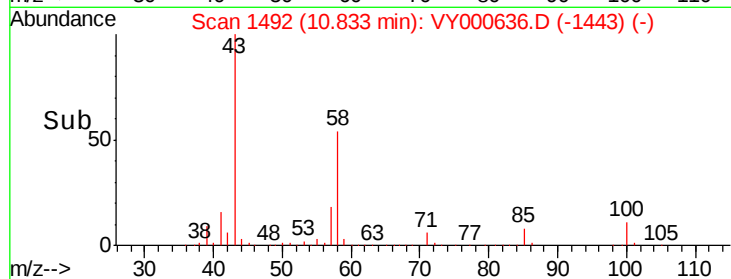
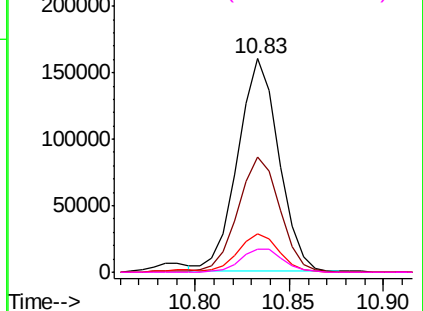
#48
2-Hexanone
Concen: 48.498 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 241965
Ion Ratio Lower Upper
43 100
58 55.7 42.5 63.7
57 17.9 14.2 21.4
100 11.4 9.1 13.7

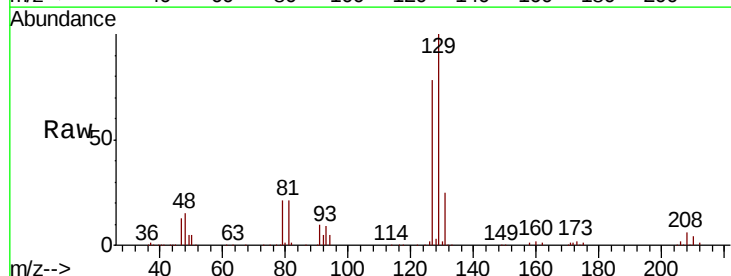


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

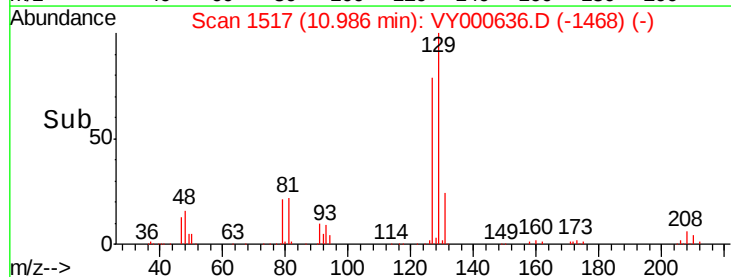
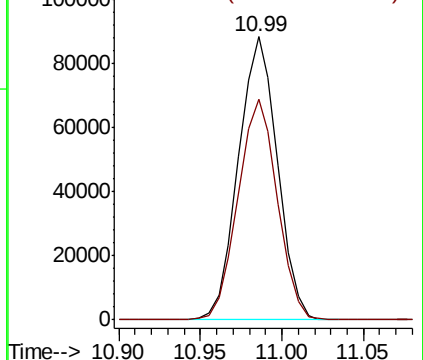


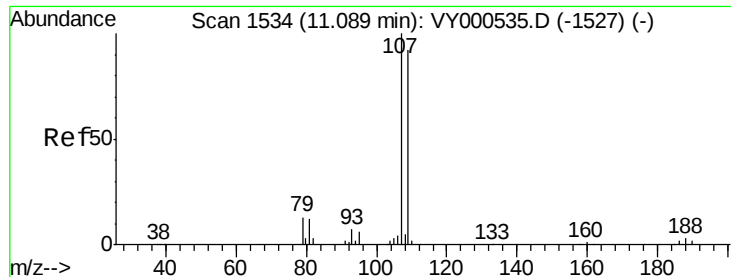
#49
Dibromochloromethane
Concen: 26.509 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion: 129 Resp: 146855
Ion Ratio Lower Upper
129 100
127 78.2 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

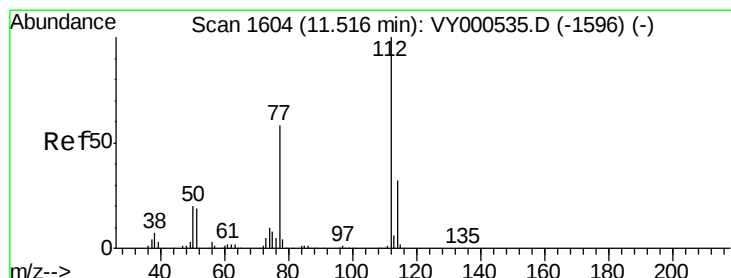
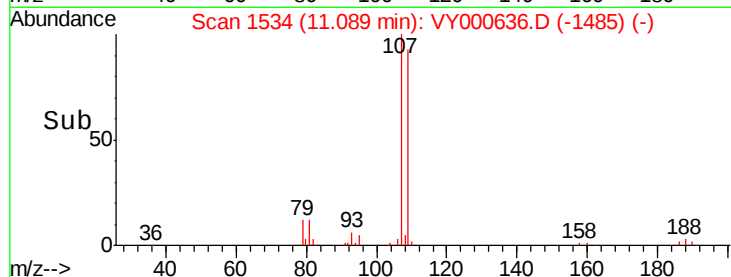
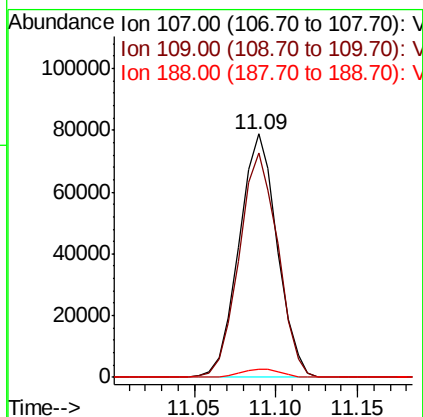
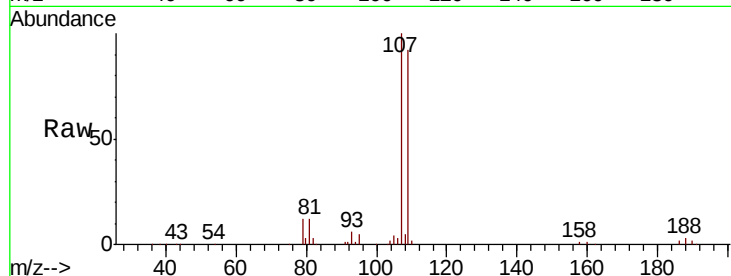




#50
1,2-Dibromoethane
Concen: 25.863 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

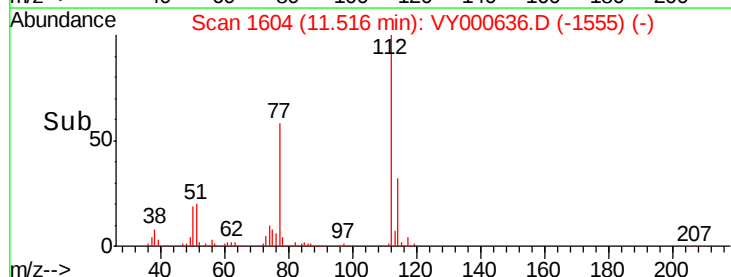
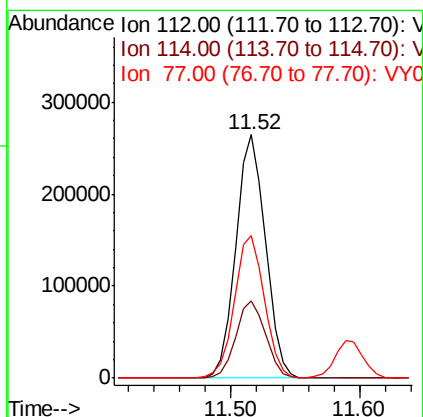
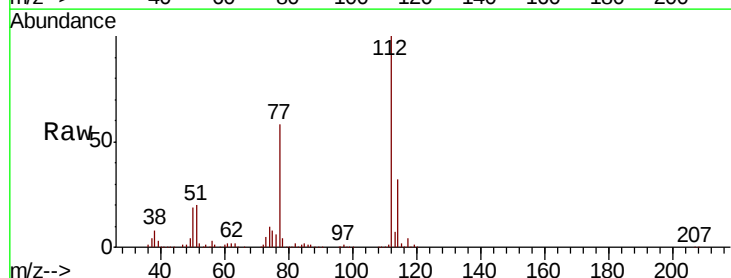
Instrument :
MSVOA_Y
ClientSampleId :

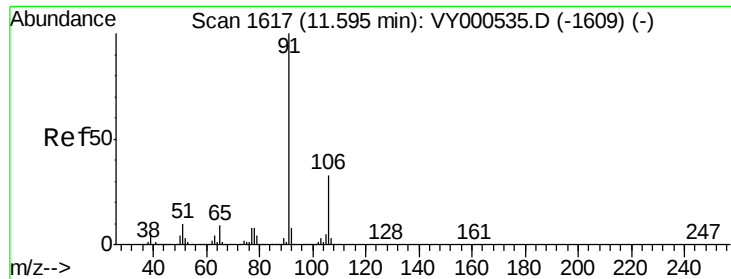
Tot Ion	107	Resp	128600
Ion	Ratio	Lower	Upper
107	100		
109	92.4	68.3	126.9
188	3.2	2.2	3.2



#51
Chlorobenzene
Concen: 27.189 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion	112	Resp	421016
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.1	41.1
77	58.5	45.3	67.9





#52

Ethylbenzene

Concen: 27.667 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

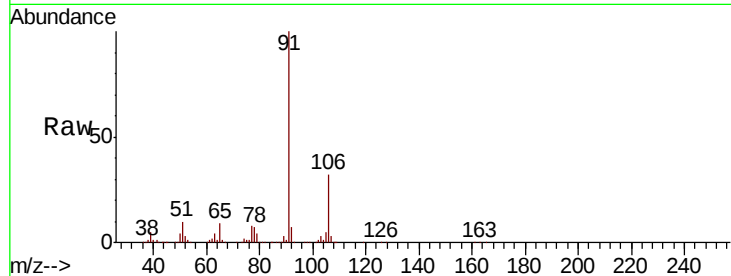
ClientSampleId :

Tot Ion: 91 Resp: 765137

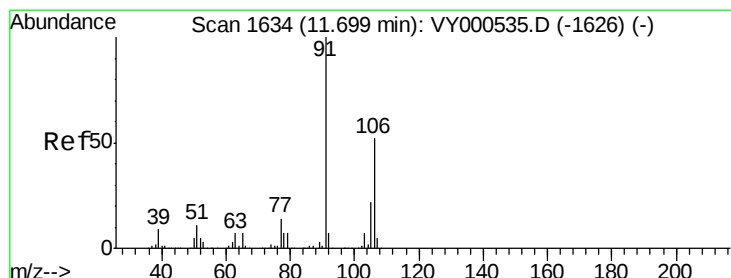
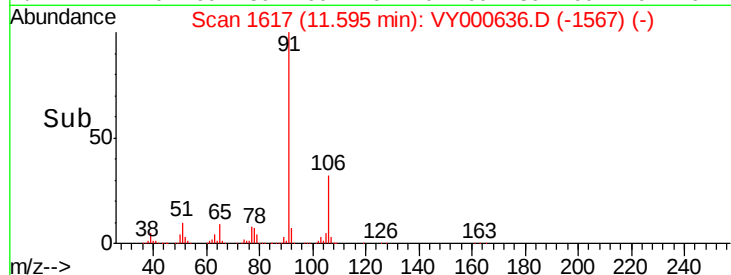
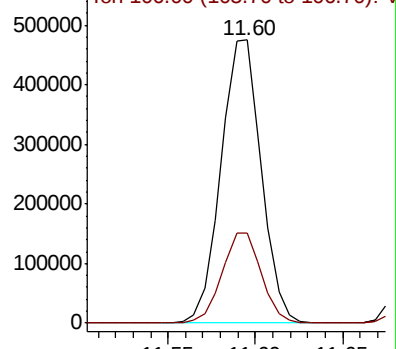
Ion Ratio Lower Upper

91 100

106 32.0 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VY000535.D (-1609) (-)



#53

m,p-Xylene

Concen: 27.514 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000636.D

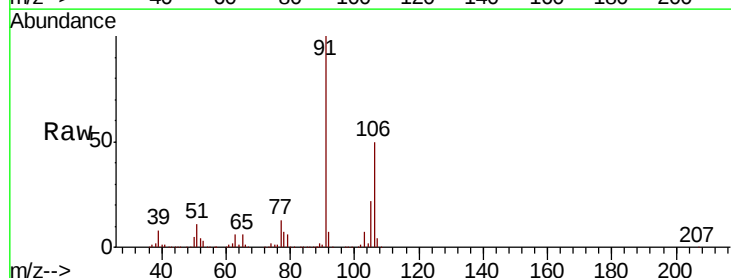
Acq: 11 Nov 2019 12:27

Tgt Ion: 106 Resp: 291572

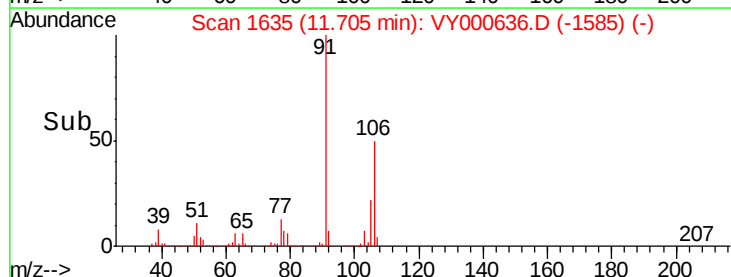
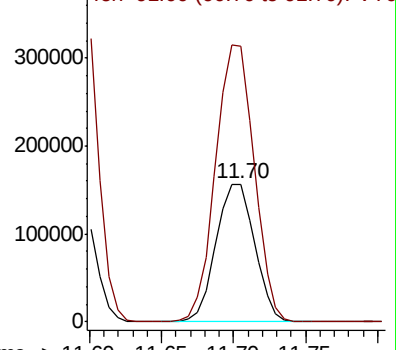
Ion Ratio Lower Upper

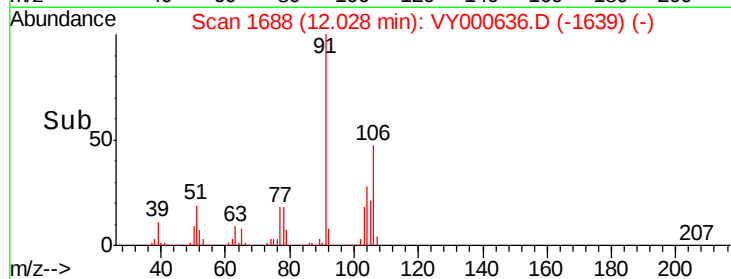
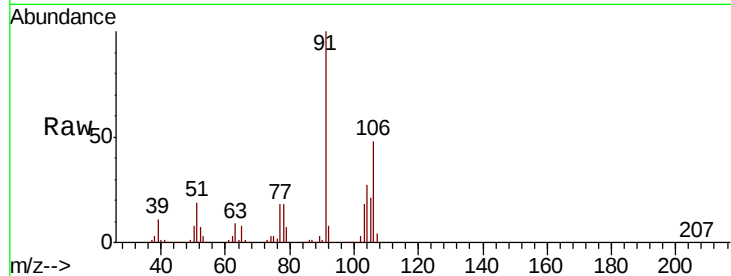
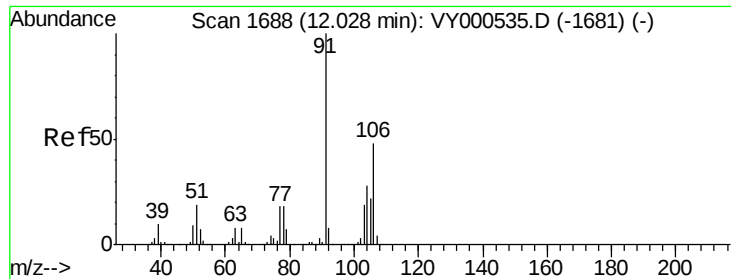
106 100

91 199.7 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): VY000535.D (-1626) (-)

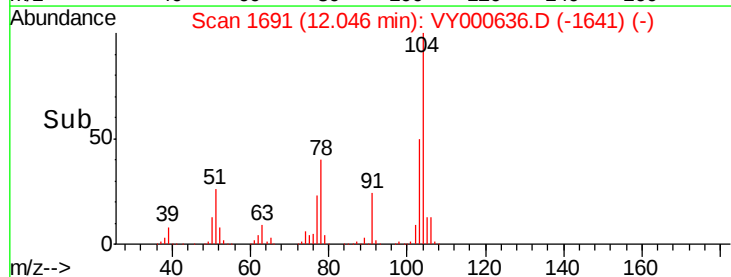
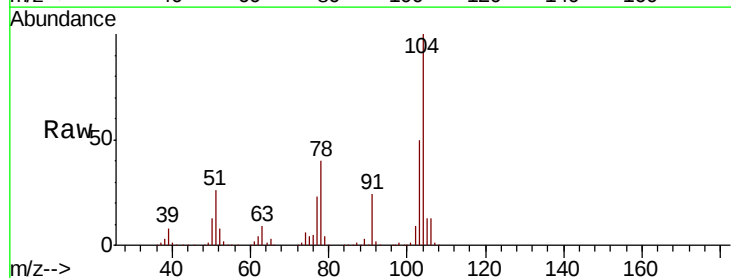
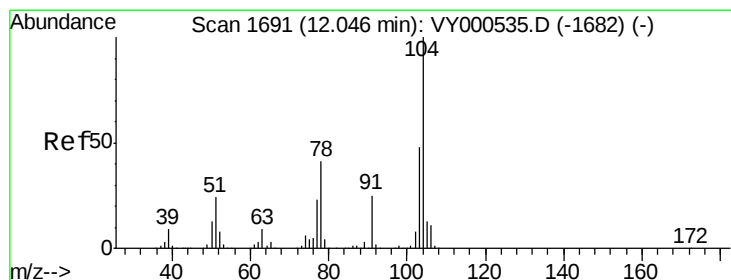
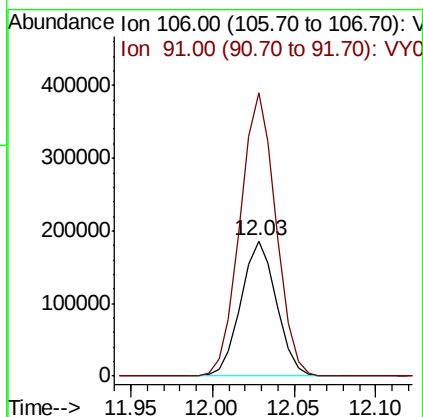




#54
o-Xylene
Concen: 27.550 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

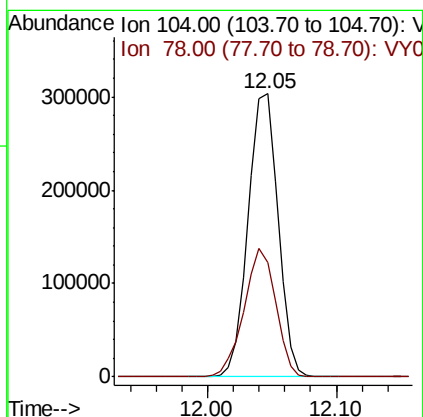
Instrument :
MSVOA_Y
ClientSampled :

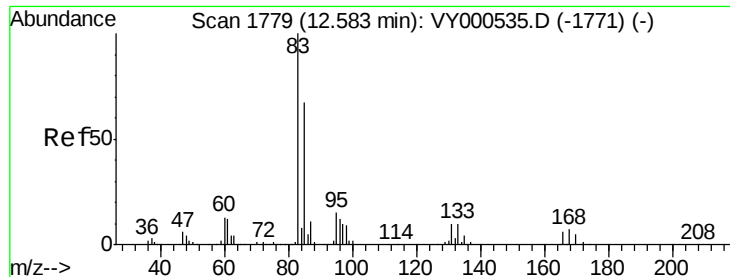
Tot Ion:106 Resp: 283556
Ion Ratio Lower Upper
106 100
91 209.7 143.6 266.6



#55
Styrene
Concen: 27.898 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion:104 Resp: 485577
Ion Ratio Lower Upper
104 100
78 40.4 32.3 60.1

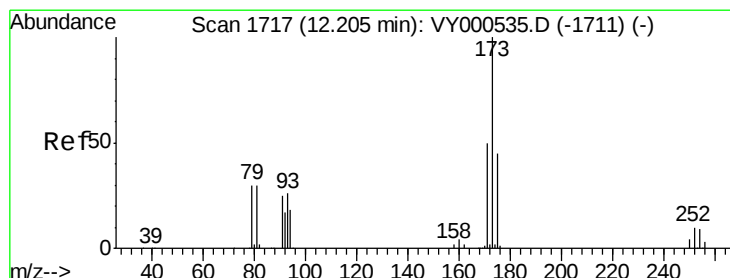
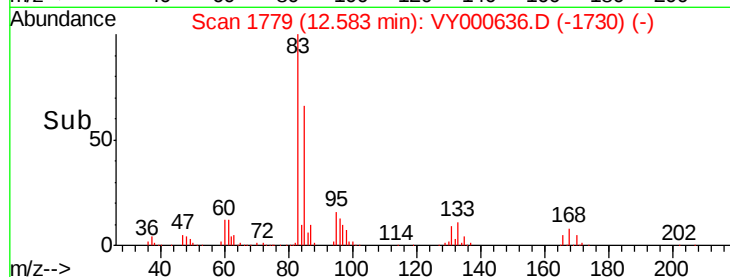
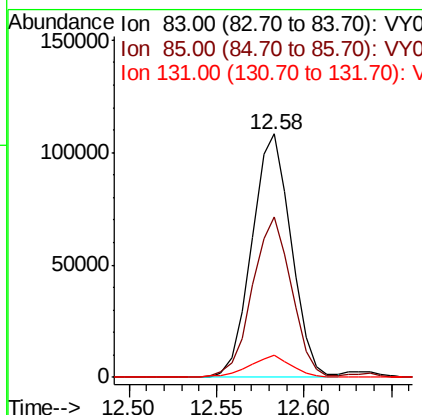
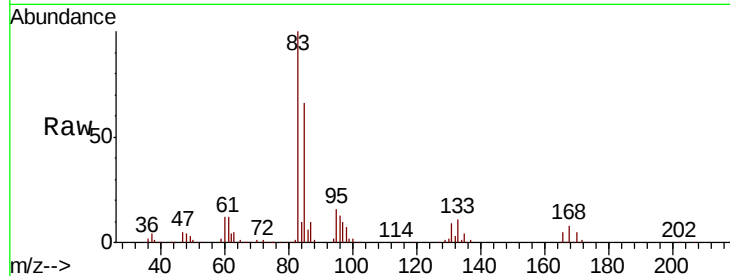




#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.403 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

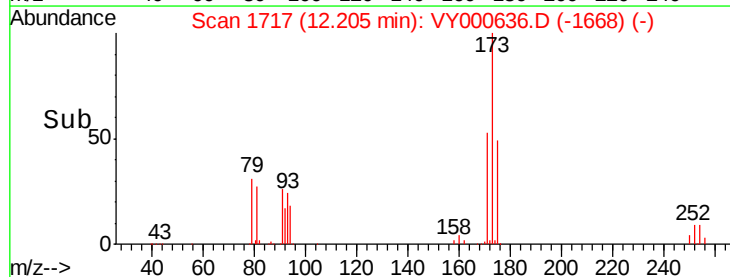
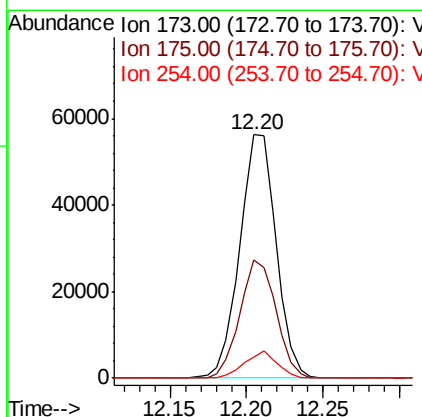
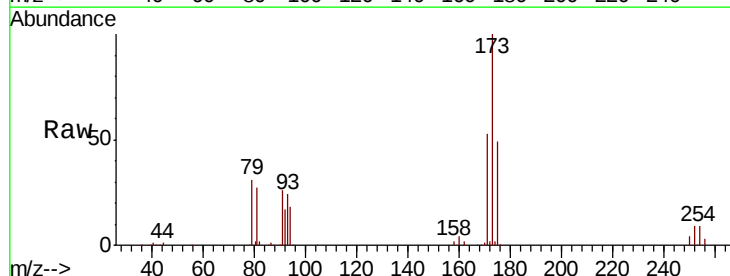
Instrument :
 MSVOA_Y
 ClientSampleId :

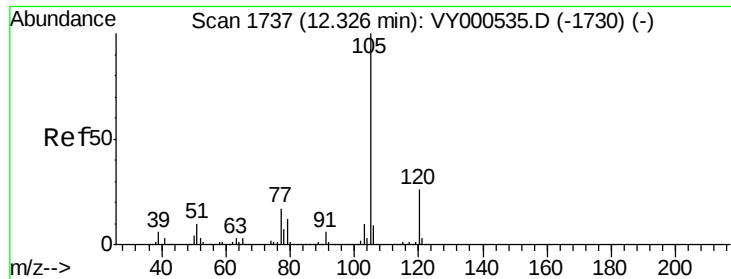
Tot Ion: 83 Resp: 169299
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.4 84.2
 131 9.3 7.9 11.9



#59
 Bromoform
 Concen: 26.798 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion: 173 Resp: 93197
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.2
 254 9.9 7.8 11.8





#60

Isopropylbenzene

Concen: 28.668 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

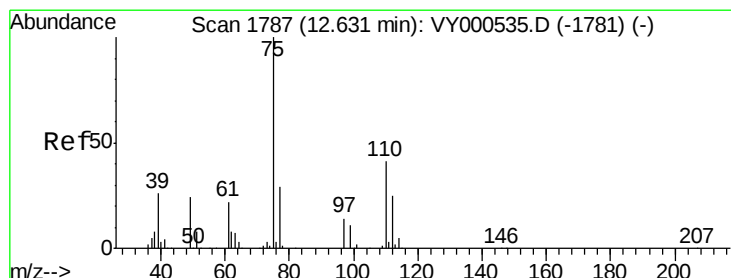
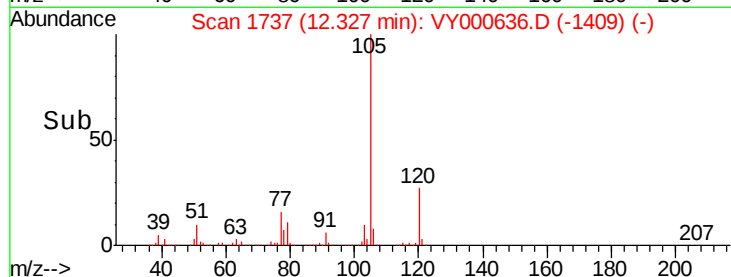
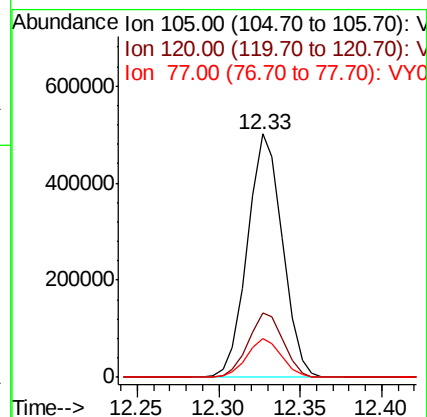
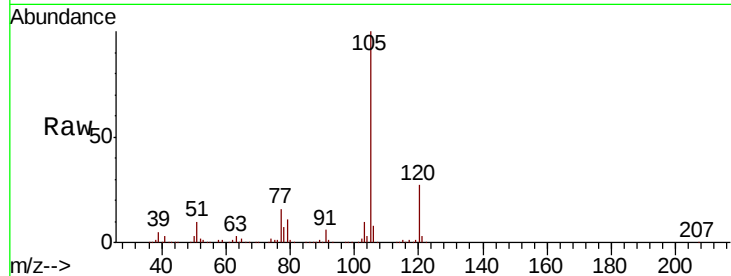
Tot Ion:105 Resp: 748499

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.8

77 15.6 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 26.229 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

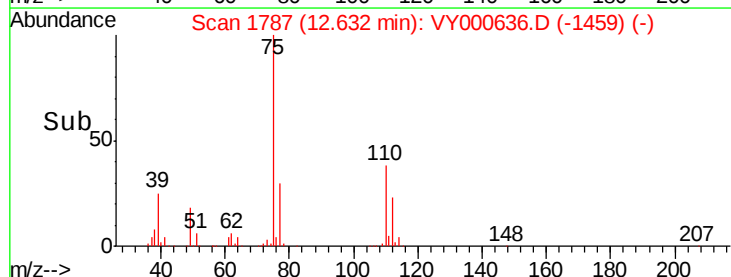
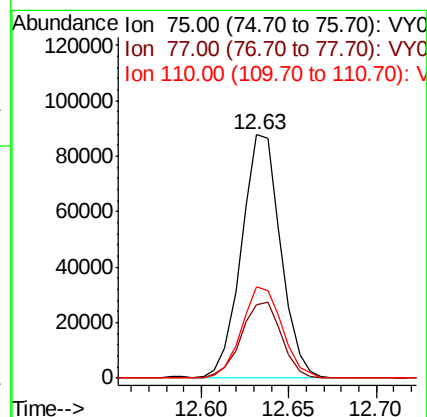
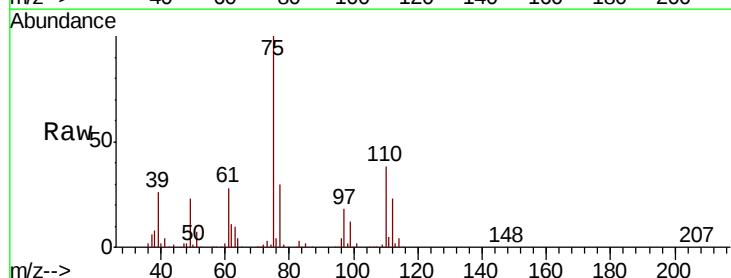
Tgt Ion: 75 Resp: 136190

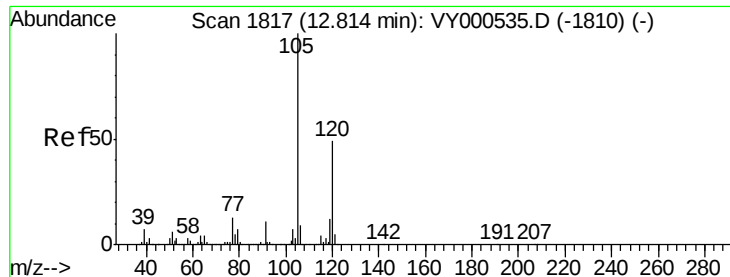
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

110 38.9 33.0 49.4





#62

1,3,5-Trimethylbenzene

Concen: 0.121 ug/L

RT: 12.74 min Scan# 1804

Delta R.T. -0.07 min

Lab File: VY000636.D

Acq: 11 Nov 2019 12:27

Instrument :

MSVOA_Y

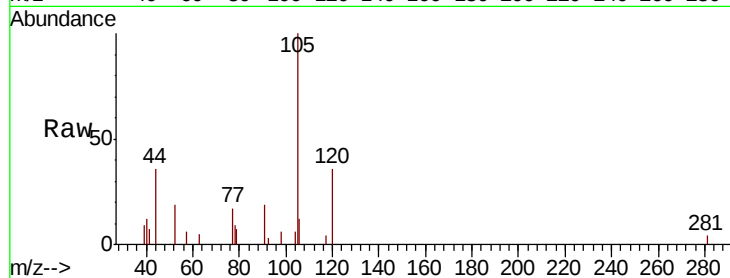
ClientSampled :

Tot Ion:105 Resp: 2596

Ion Ratio Lower Upper

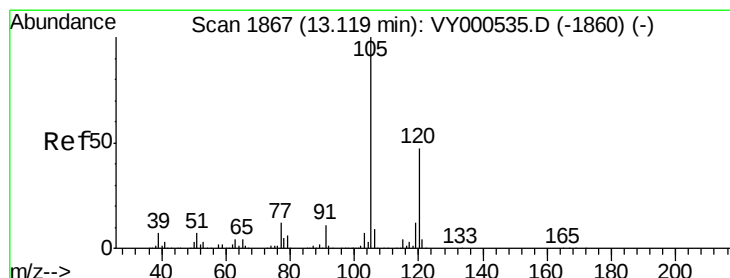
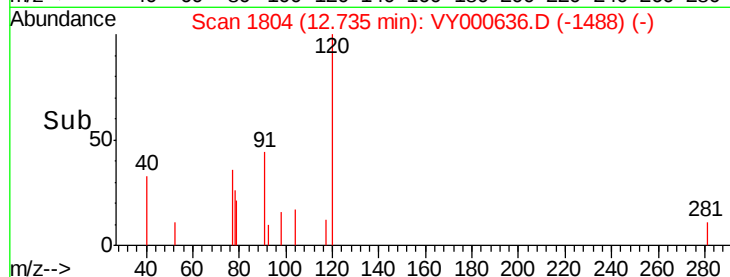
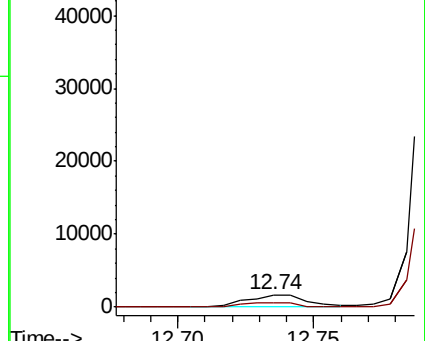
105 100

120 31.4 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 28.873 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000636.D

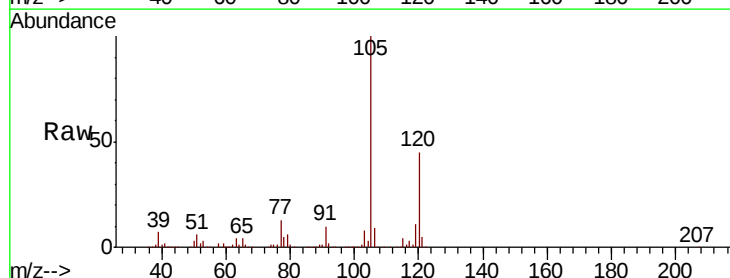
Acq: 11 Nov 2019 12:27

Tgt Ion:105 Resp: 609179

Ion Ratio Lower Upper

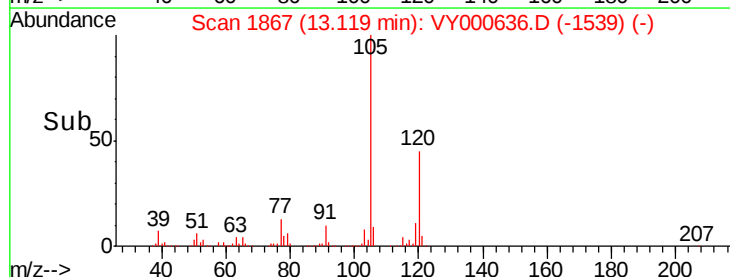
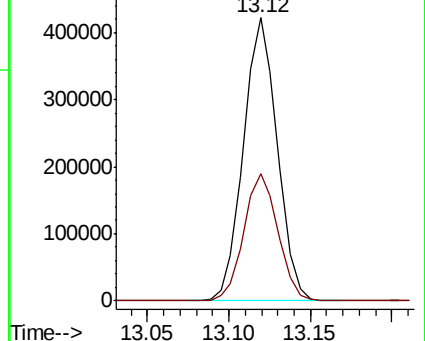
105 100

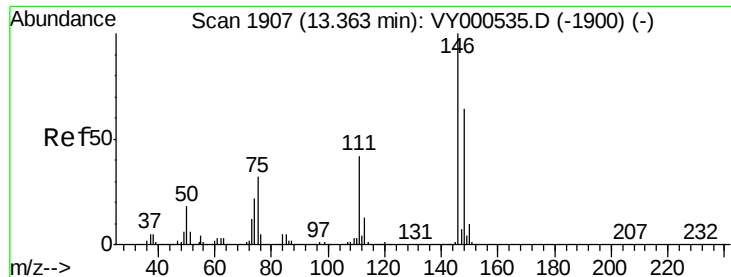
120 45.2 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

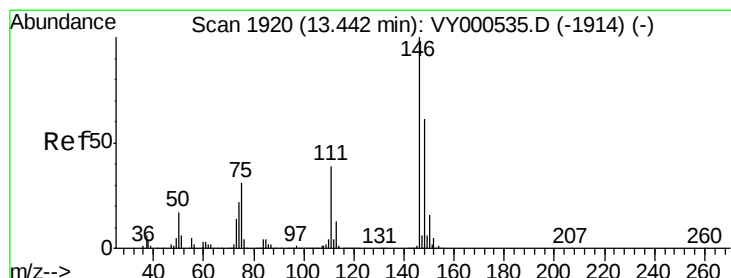
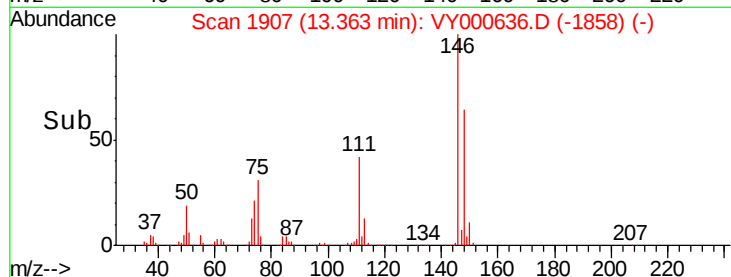
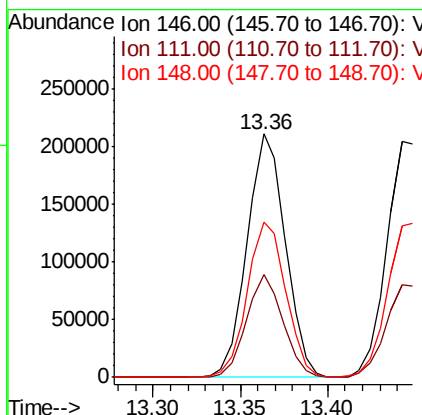
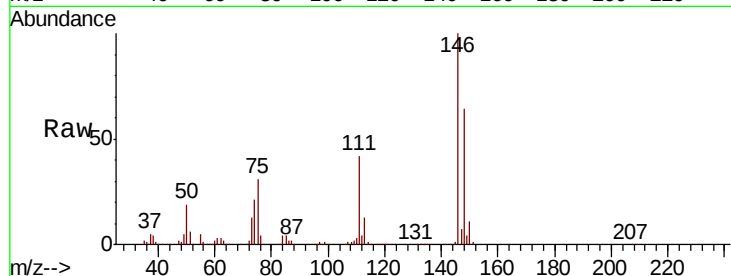




#64
 1,3-Dichlorobenzene
 Concen: 27.465 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

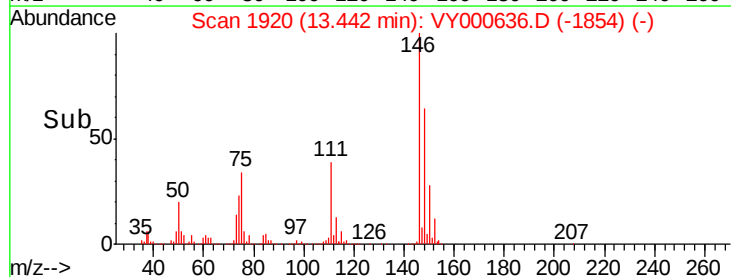
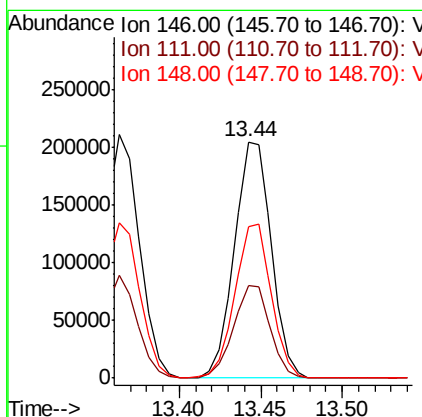
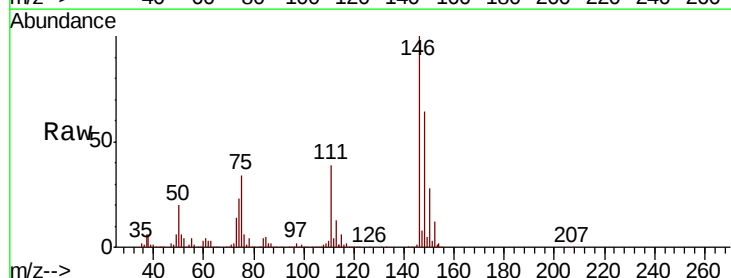
Instrument :
 MSVOA_Y
 ClientSampleId :

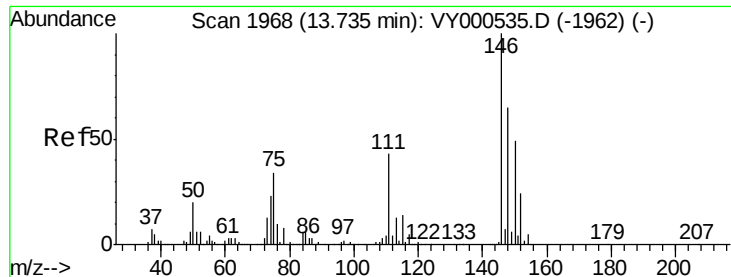
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	27.9	51.7
148	63.7	43.5	80.7



#65
 1,4-Dichlorobenzene
 Concen: 27.406 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.4	50.8
148	63.8	44.4	82.5

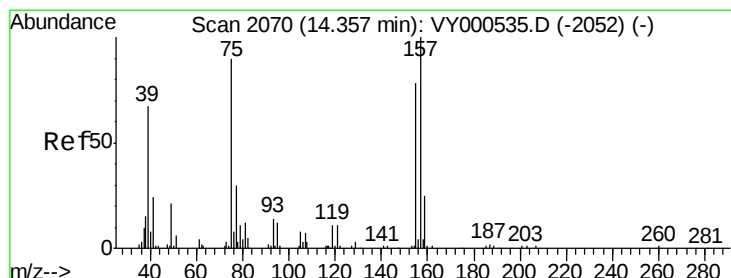
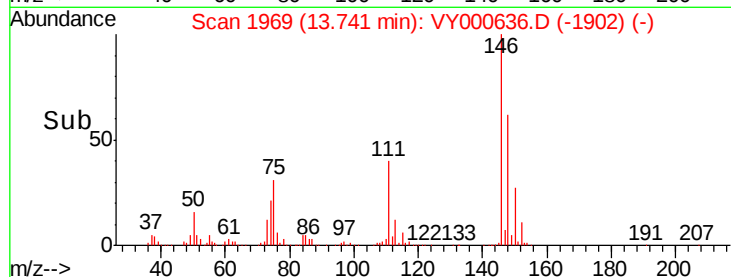
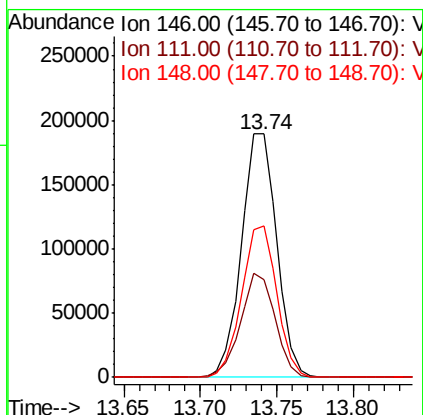
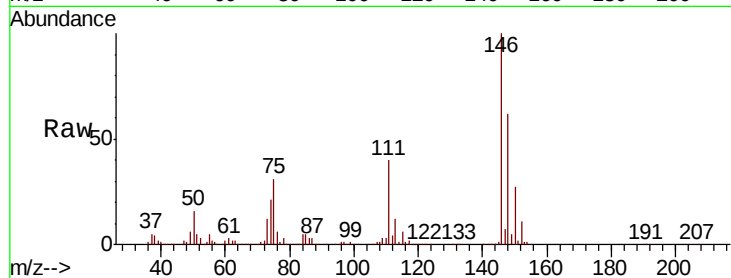




#67
 1,2-Dichlorobenzene
 Concen: 27.692 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

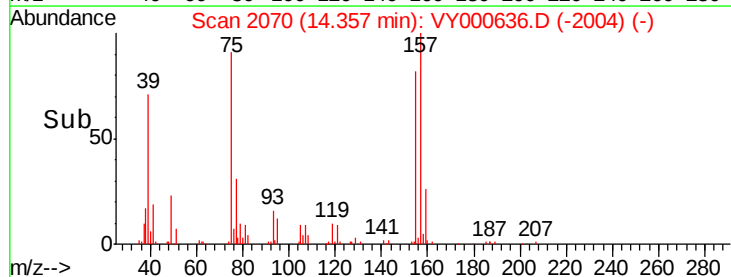
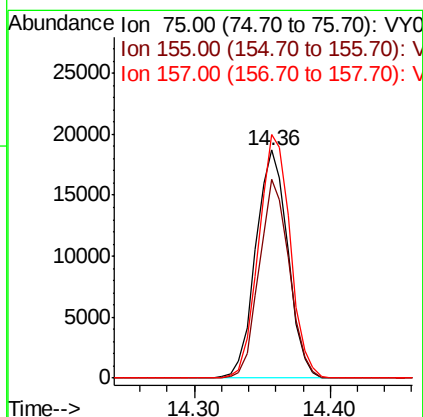
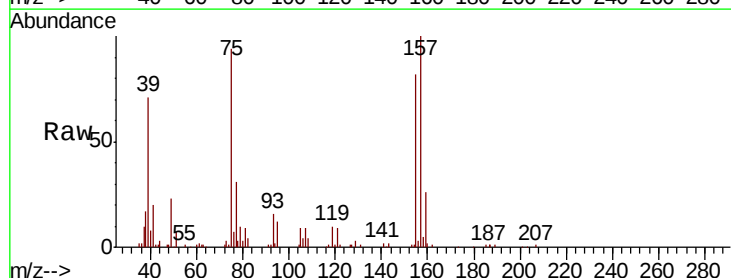
Instrument :
 MSVOA_Y
 ClientSampleId :

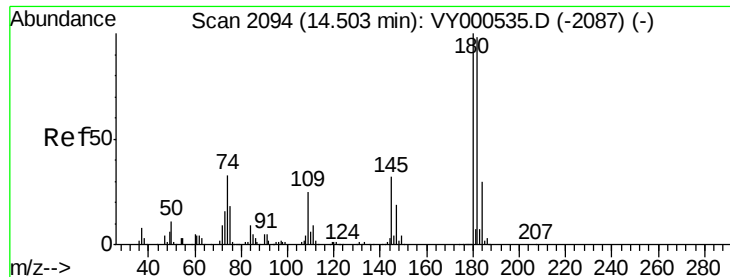
Tot Ion:146 Resp: 303534
 Ion Ratio Lower Upper
 146 100
 111 40.0 35.6 53.4
 148 62.0 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 25.725 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion: 75 Resp: 30920
 Ion Ratio Lower Upper
 75 100
 155 87.5 66.3 99.5
 157 106.9 86.4 129.6

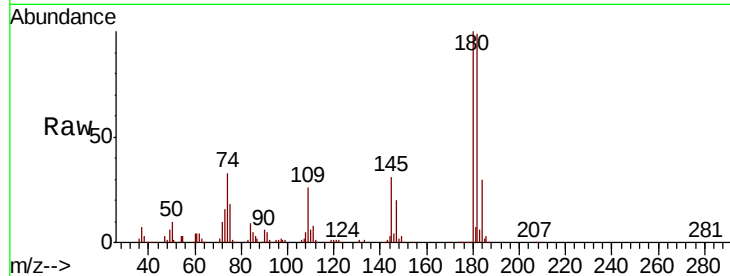




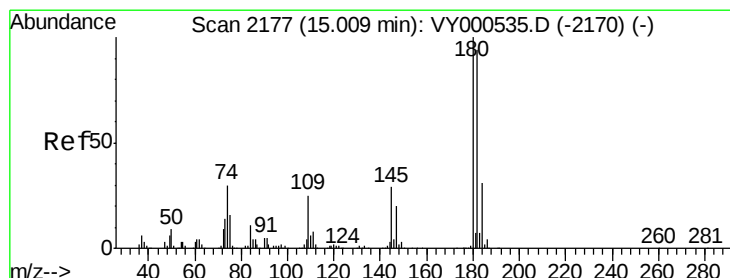
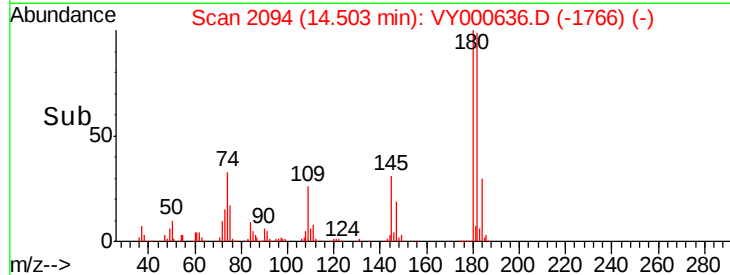
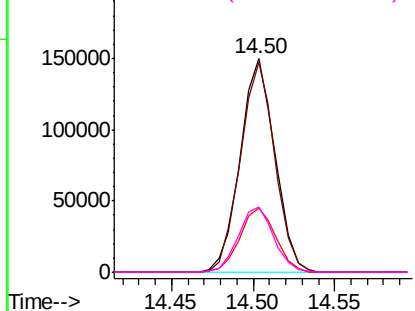
#69
 1,3,5-Trichlorobenzene
 Concen: 27.492 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	222092
Ion Ratio	Lower	Upper
180	100	
182	97.5	76.1 114.1
184	30.7	24.5 36.7
145	31.5	24.0 36.0

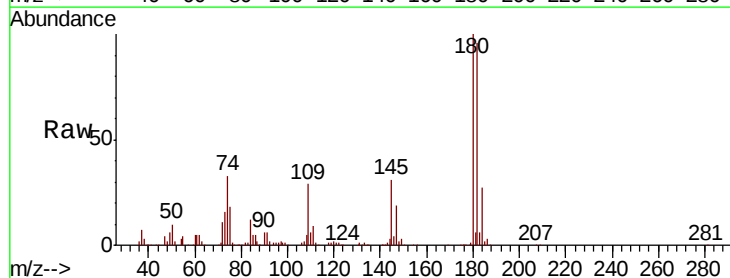


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

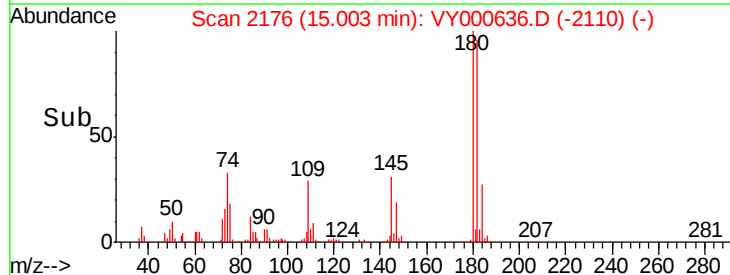
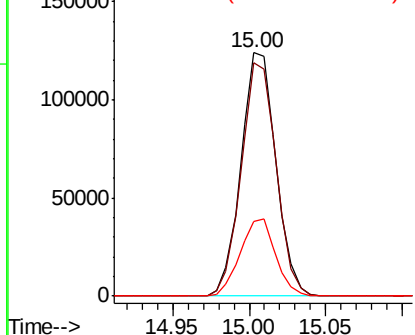


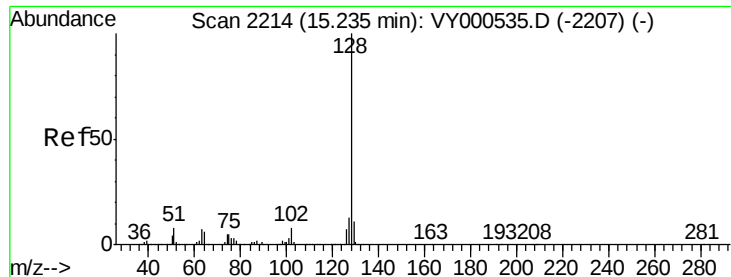
#70
 1,2,4-trichlorobenzene
 Concen: 26.760 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000636.D
 Acq: 11 Nov 2019 12:27

Tgt Ion:180	Resp:	196899
Ion Ratio	Lower	Upper
180	100	
182	95.8	74.6 112.0
145	32.0	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

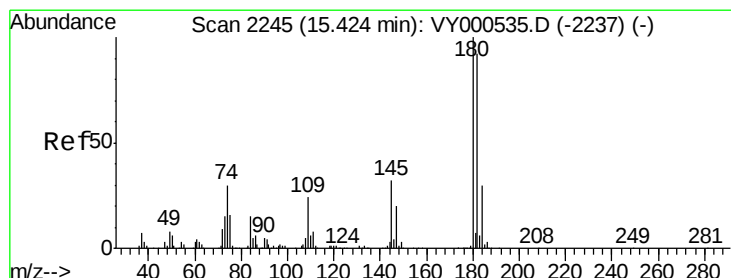
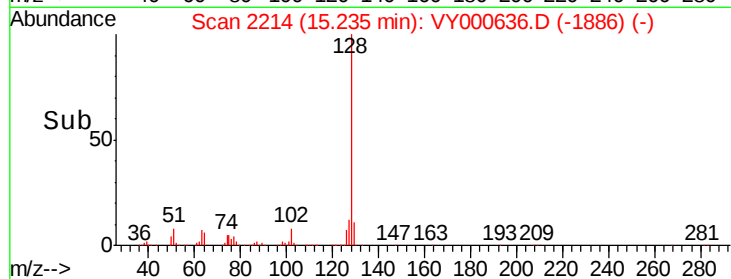
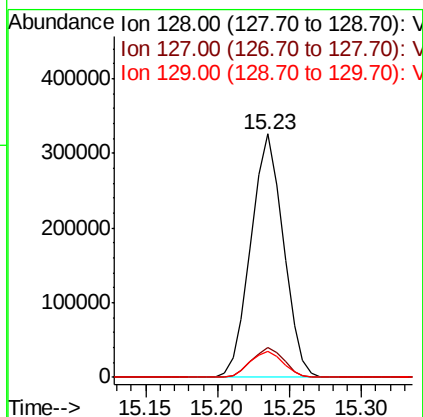
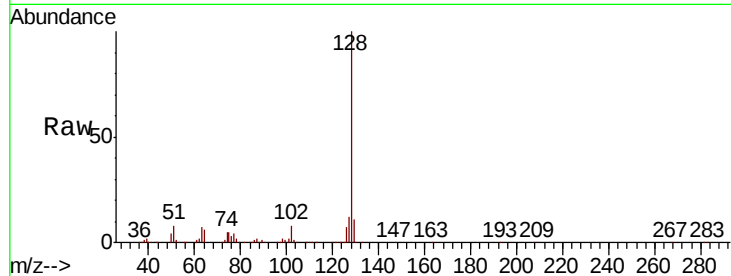




#71
Naphthalene
Concen: 26.540 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 510162
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 26.740 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000636.D
Acq: 11 Nov 2019 12:27

Tgt Ion:180 Resp: 182274
Ion Ratio Lower Upper
180 100
182 95.1 75.0 112.4
145 32.3 26.5 39.7

