

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000943.D
 Acq On : 13 Dec 2019 13:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 14 05:58:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 09:49:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	458306	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	421445	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	202485	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	125566	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.92%
7) Chloroethane-d5	2.76	69	127098	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.56%
11) 1,1-Dichloroethene-d2	3.85	63	282885	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
21) 2-Butanone-d5	6.90	46	169572	55.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.64%
24) Chloroform-d	7.49	84	281619	23.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	8.15	65	154431	21.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.68%
32) Benzene-d6	8.11	84	594754	24.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	9.13	67	196936	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	10.18	98	539071	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	10.44	79	87247	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.12%
47) 2-Hexanone-d5	10.78	63	136136	58.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.12%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	203380	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	13.72	152	191975	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	138398	21.727	ug/L	99
3) Chloromethane	2.11	50	175672	21.004	ug/L	98
5) Vinyl chloride	2.25	62	180139	23.066	ug/L	99
6) Bromomethane	2.65	94	81903	22.908	ug/L	91
8) Chloroethane	2.79	64	114597	23.778	ug/L	96
9) Trichlorofluoromethane	3.13	101	260064	23.600	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	163580	25.566	ug/L	98
12) 1,1-Dichloroethene	3.88	96	158375	26.016	ug/L	90
13) Acetone	3.95	43	103670	35.447	ug/L	100
14) Carbon disulfide	4.20	76	486721	25.211	ug/L	98
15) Methyl Acetate	4.48	43	147231	28.250	ug/L	99
16) Methylene chloride	4.72	84	188733	25.270	ug/L	91
17) trans-1,2-Dichloroethene	5.22	96	179191	26.488	ug/L	91
18) Methyl tert-butyl Ether	5.22	73	499372	25.904	ug/L	97
19) 1,1-Dichloroethane	6.03	63	321310	27.096	ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	201125	26.555	ug/L	99
22) 2-Butanone	6.99	43	193110	43.095	ug/L	100

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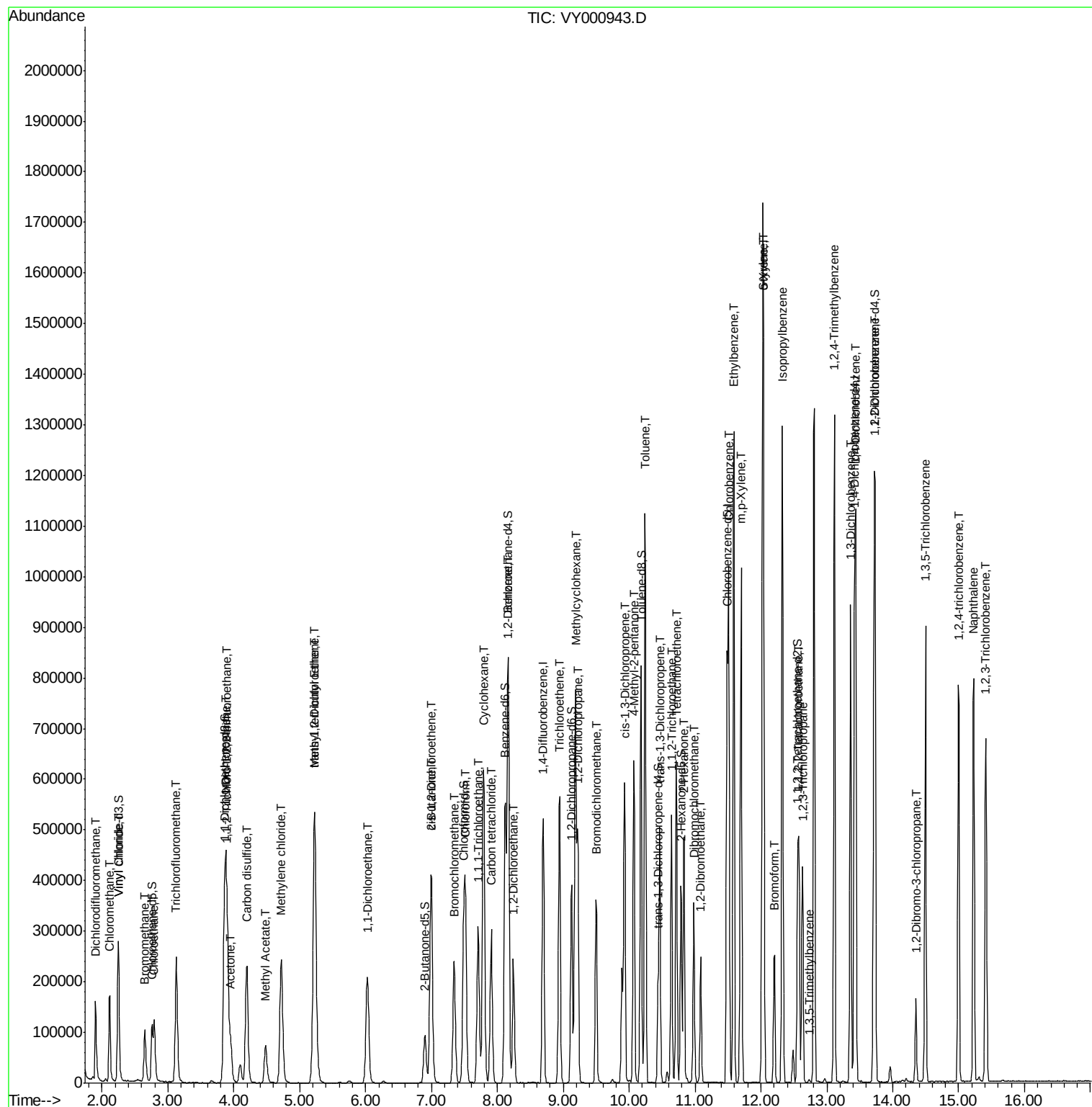
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	86241	25.329	ug/L	98
25) Chloroform	7.52	83	313377	25.589	ug/L	98
27) 1,2-Dichloroethane	8.24	62	210112	24.018	ug/L	97
29) Cyclohexane	7.79	56	318865	27.698	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	259673	25.543	ug/L	100
31) Carbon tetrachloride	7.91	117	226281	24.137	ug/L	100
33) Benzene	8.17	78	749312	27.071	ug/L	100
34) Trichloroethene	8.94	95	196301	26.874	ug/L	95
35) Methylcyclohexane	9.19	83	341291	27.201	ug/L	99
37) 1,2-Dichloropropane	9.22	63	198036	28.044	ug/L	99
38) Bromodichloromethane	9.50	83	233394	25.977	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	312333	27.602	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	417714	53.679	ug/L	97
42) Toluene	10.24	91	793701	26.851	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	264866	26.487	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	164433	27.430	ug/L	97
46) Tetrachloroethene	10.72	164	136826	24.538	ug/L	98
48) 2-Hexanone	10.83	43	306798	50.433	ug/L	95
49) Dibromochloromethane	10.98	129	174269	25.799	ug/L	99
50) 1,2-Dibromoethane	11.09	107	164672	27.161	ug/L #	93
51) Chlorobenzene	11.51	112	494836	26.208	ug/L	97
52) Ethylbenzene	11.59	91	886154	26.279	ug/L	100
53) m,p-Xylene	11.70	106	339131	26.246	ug/L	97
54) o-Xylene	12.02	106	326648	26.029	ug/L	100
55) Styrene	12.04	104	561906	26.477	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	211292	26.002	ug/L	98
59) Bromoform	12.20	173	111957	26.076	ug/L	99
60) Isopropylbenzene	12.33	105	851423	26.415	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	174698	27.254	ug/L	98
62) 1,3,5-Trimethylbenzene	12.74	105	3362	0.127	ug/L	98
63) 1,2,4-Trimethylbenzene	13.11	105	686526	26.357	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	375758	26.007	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	374323	25.748	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	350628	25.911	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	36723	24.748	ug/L	89
69) 1,3,5-Trichlorobenzene	14.50	180	259410	26.011	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	236396	26.024	ug/L	99
71) Naphthalene	15.23	128	647884	27.301	ug/L	100
72) 1,2,3-Trichlorobenzene	15.41	180	215742	25.637	ug/L	100

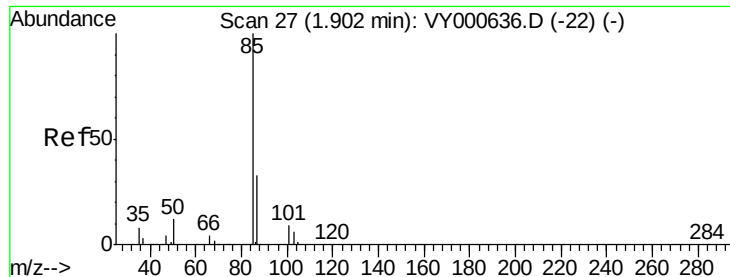
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.727 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

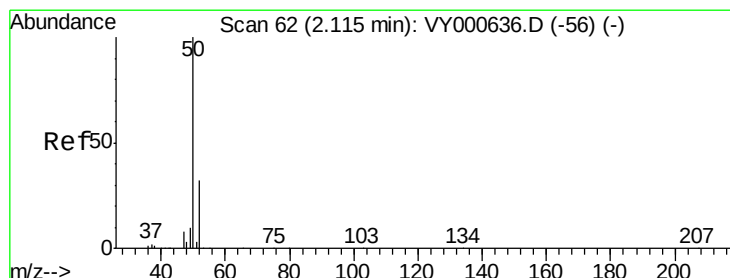
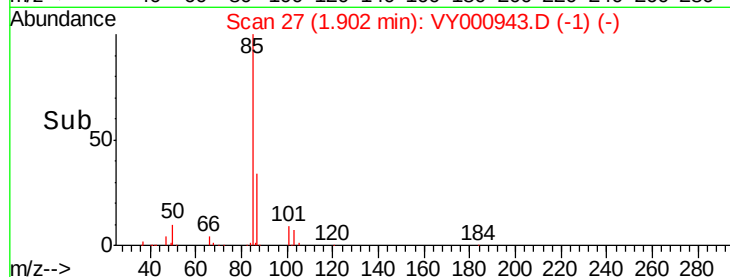
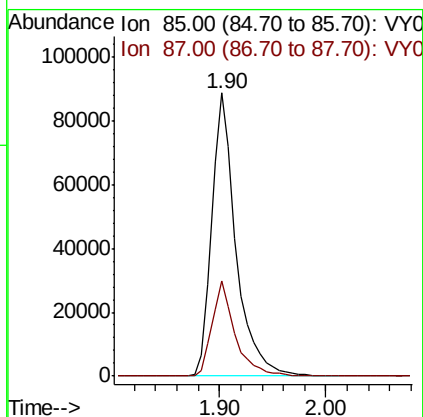
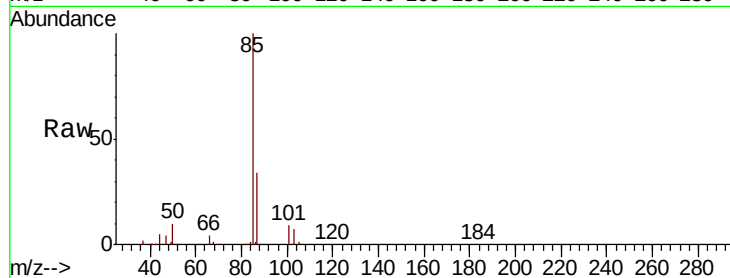
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 85 Resp: 138398

Ion Ratio Lower Upper

85 100

87 32.2 25.1 37.7



#3

Chloromethane

Concen: 21.004 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000943.D

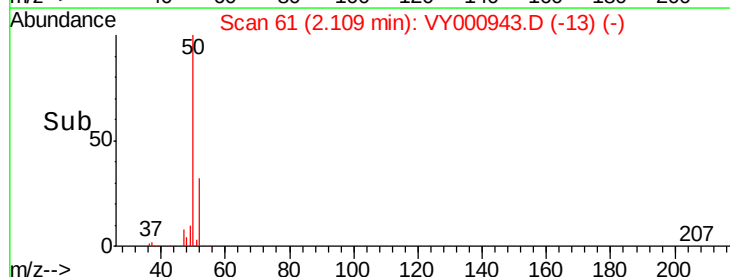
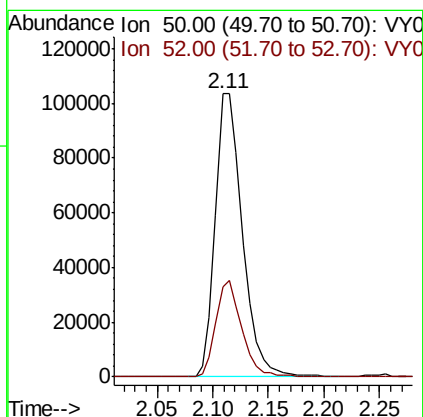
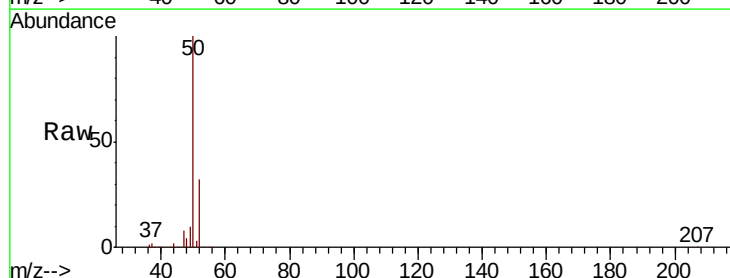
Acq: 13 Dec 2019 13:23

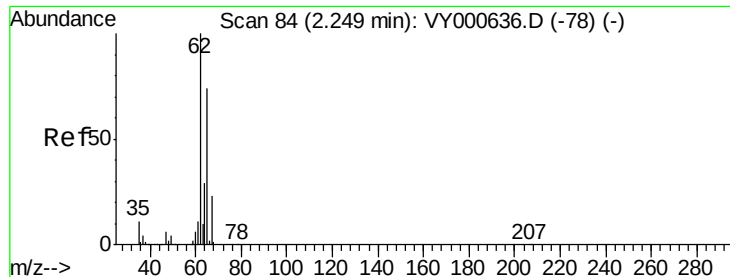
Tgt Ion: 50 Resp: 175672

Ion Ratio Lower Upper

50 100

52 32.0 23.1 42.9





#5

Vinyl chloride

Concen: 23.066 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

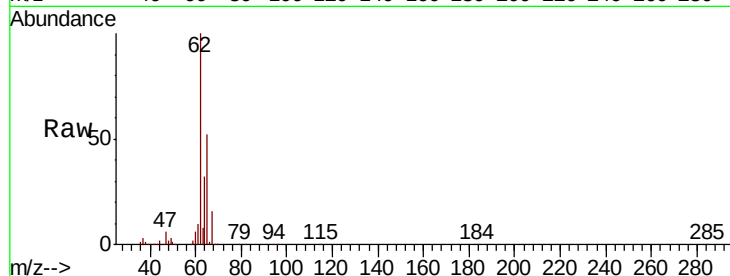
ClientSampleId :

Tot Ion: 62 Resp: 180139

Ion Ratio Lower Upper

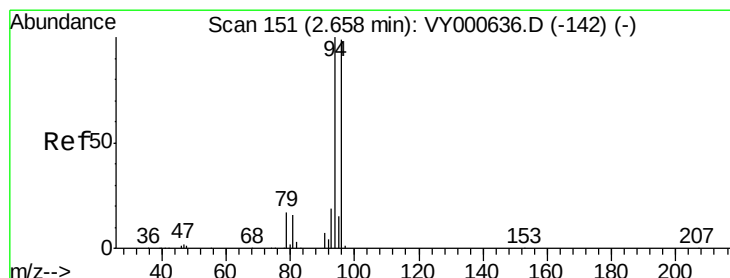
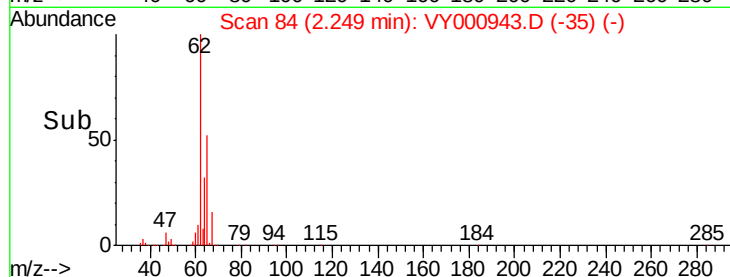
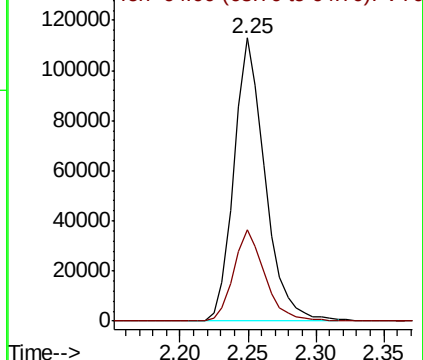
62 100

64 32.2 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: 22.908 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY000943.D

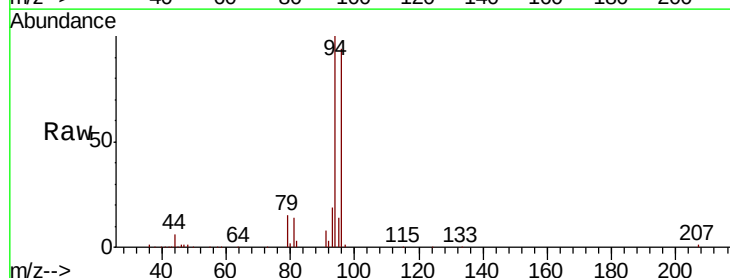
Acq: 13 Dec 2019 13:23

Tgt Ion: 94 Resp: 81903

Ion Ratio Lower Upper

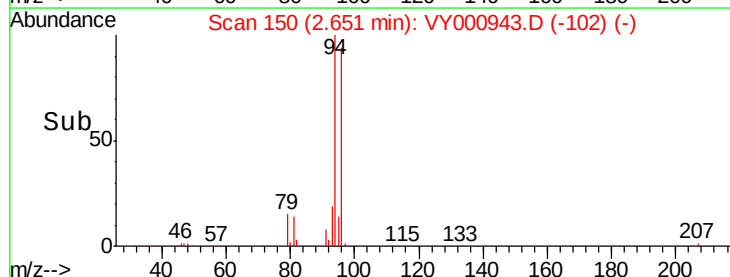
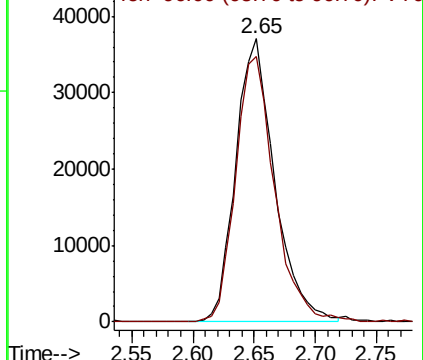
94 100

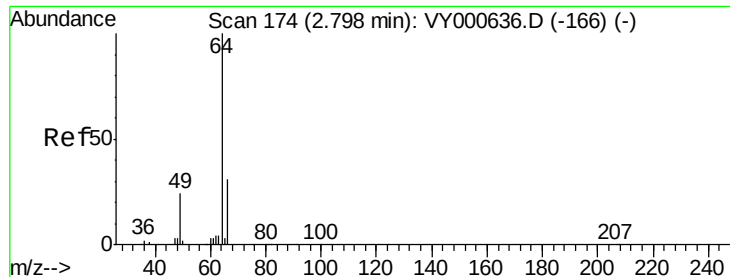
96 93.6 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 23.778 ug/L

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

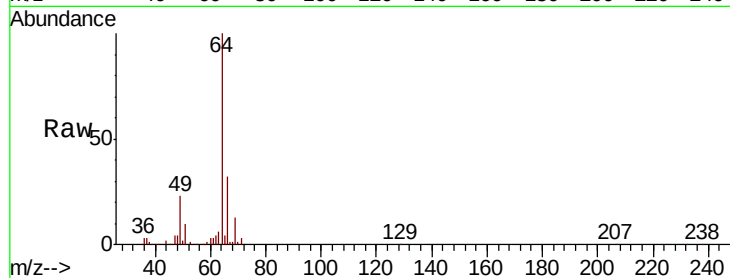
ClientSampleId :

Tot Ion: 64 Resp: 114597

Ion Ratio Lower Upper

64 100

66 32.0 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

2.79

60000

50000

40000

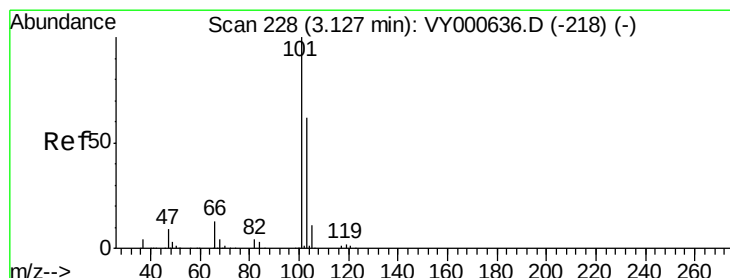
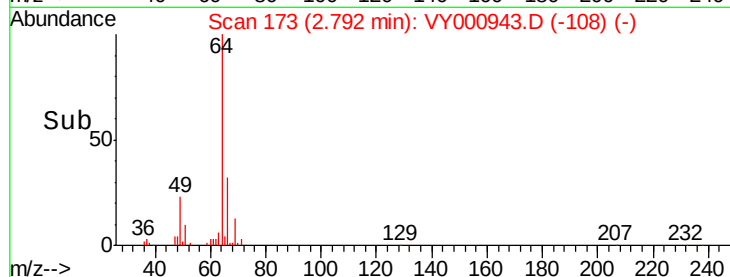
30000

20000

10000

0

Time--> 2.70 2.75 2.80 2.85 2.90



#9

Trichlorofluoromethane

Concen: 23.600 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000943.D

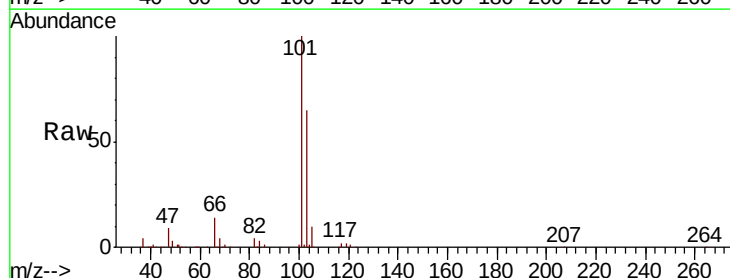
Acq: 13 Dec 2019 13:23

Tgt Ion:101 Resp: 260064

Ion Ratio Lower Upper

101 100

103 65.2 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.13

120000

100000

80000

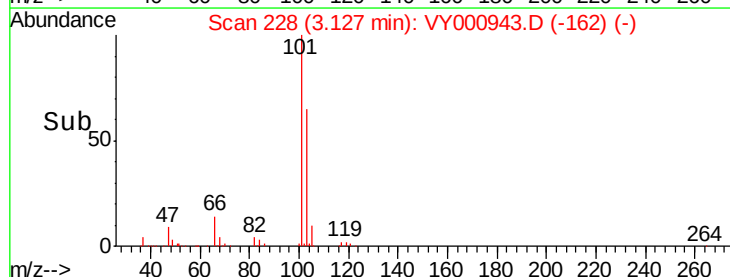
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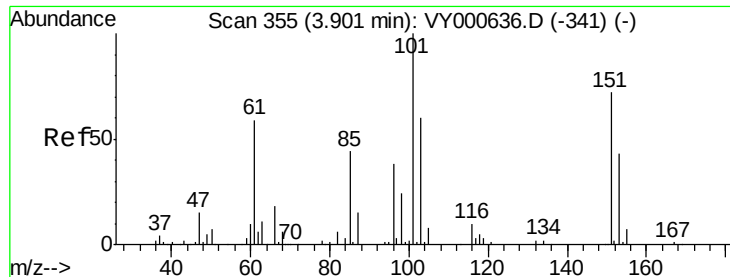
40000

20000

0

Time--> 3.00 3.10 3.20 3.30





#10

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

Concen: 25.566 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampleId :

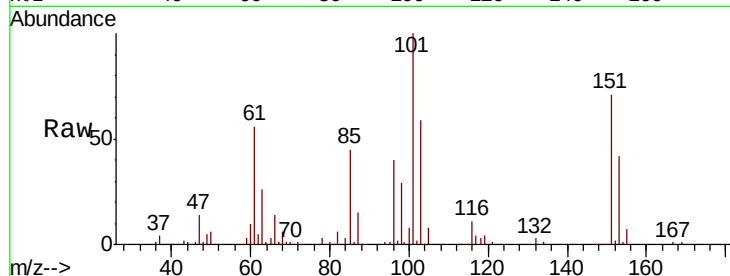
Tot Ion:101 Resp: 163580

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.8

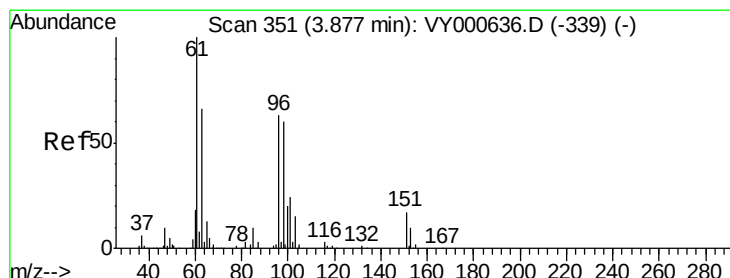
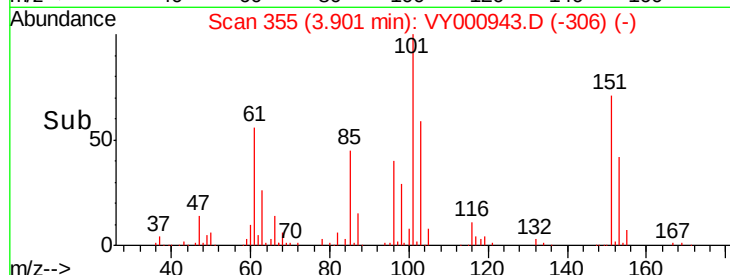
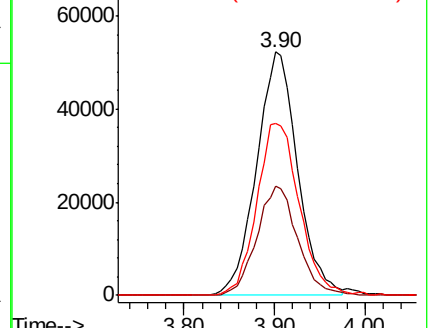
151 73.1 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000636.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY000636.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY000636.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 26.016 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

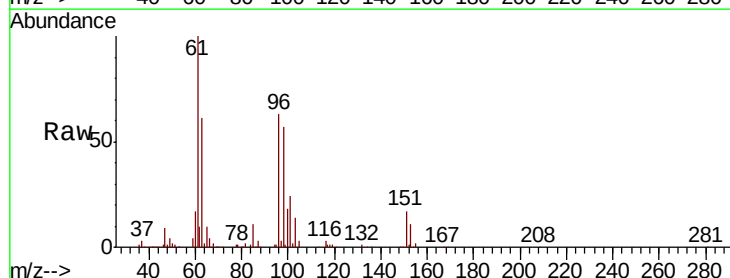
Tgt Ion: 96 Resp: 158375

Ion Ratio Lower Upper

96 100

61 159.0 118.6 220.2

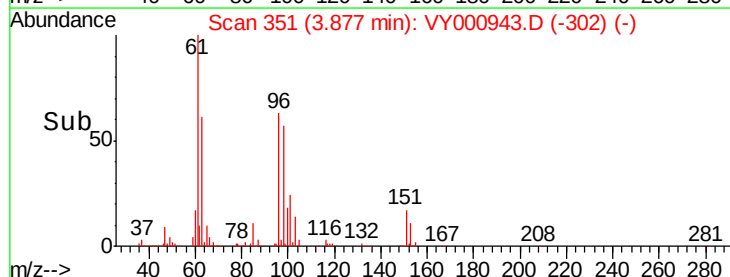
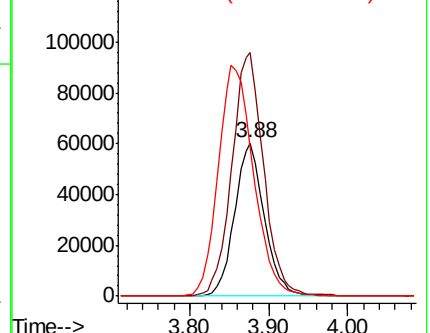
63 97.6 77.8 144.6

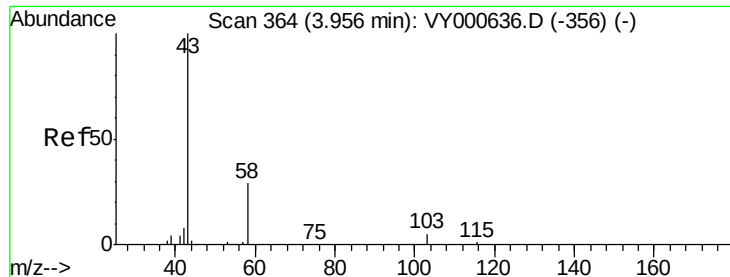


Abundance Ion 96.00 (95.70 to 96.70): VY000636.D (-339) (-)

Ion 61.00 (60.70 to 61.70): VY000636.D (-339) (-)

Ion 63.00 (62.70 to 63.70): VY000636.D (-339) (-)





#13

Acetone

Concen: 35.447 ug/L

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

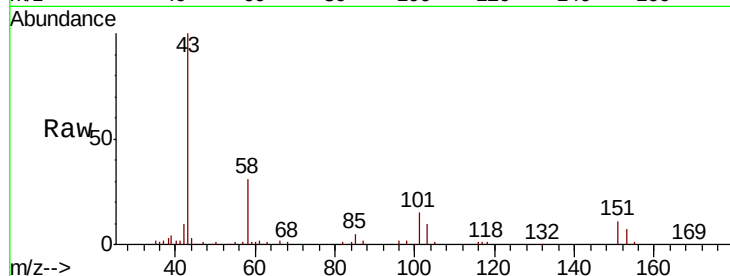
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 103670

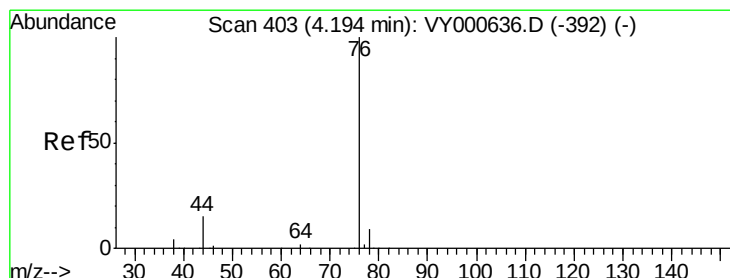
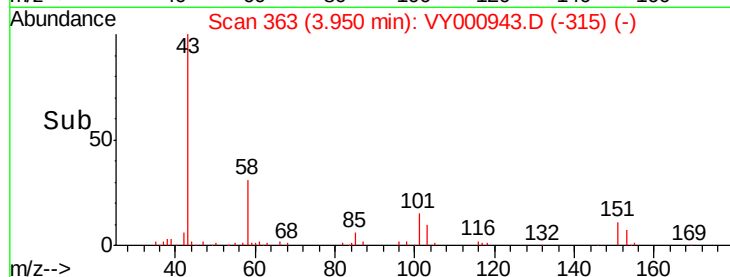
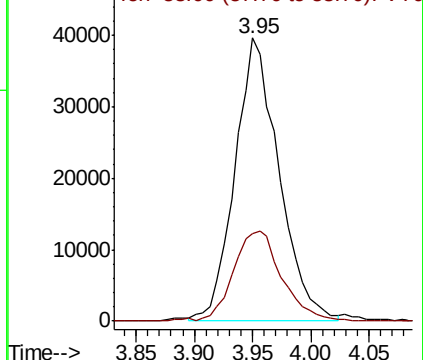
Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.211 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY000943.D

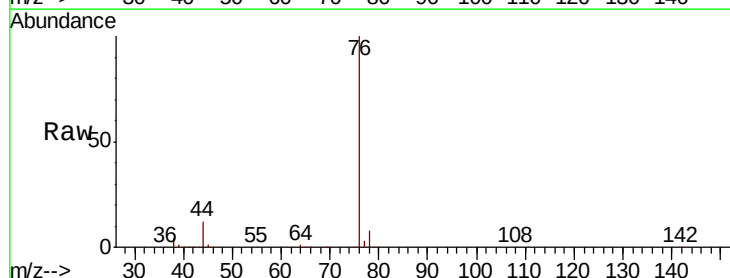
Acq: 13 Dec 2019 13:23

Tgt Ion: 76 Resp: 486721

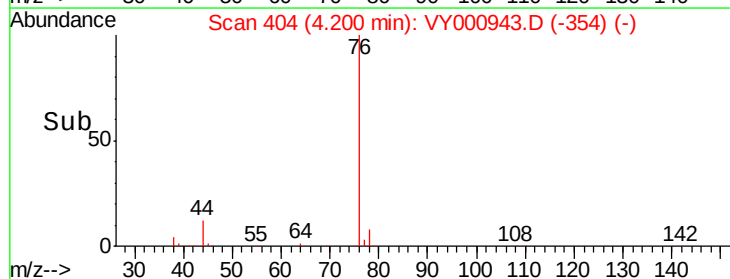
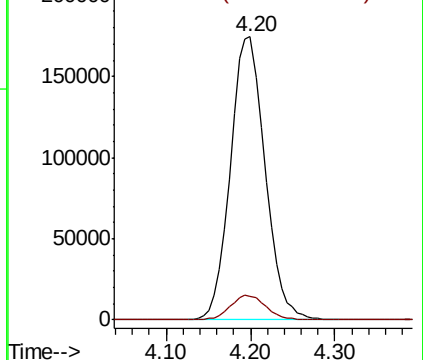
Ion Ratio Lower Upper

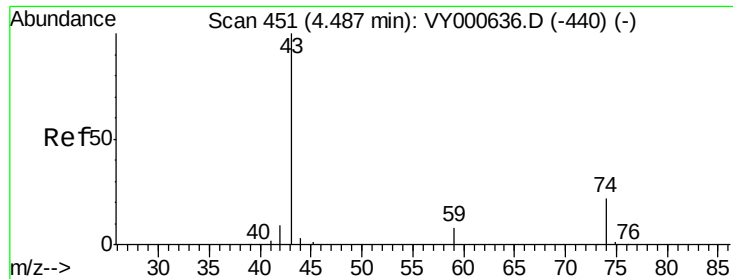
76 100

78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0
Ion 78.00 (77.70 to 78.70): VY0

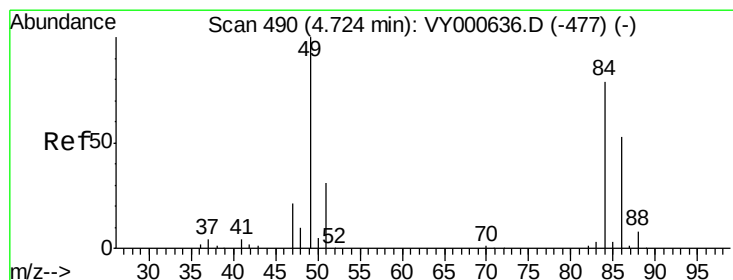
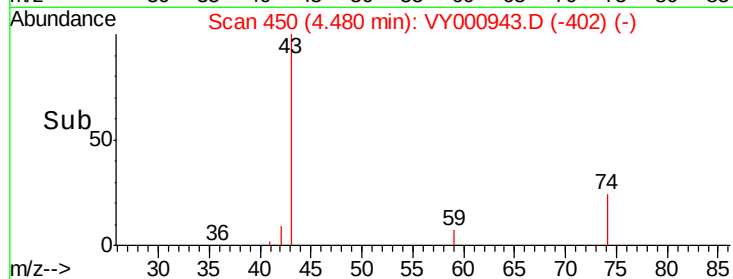
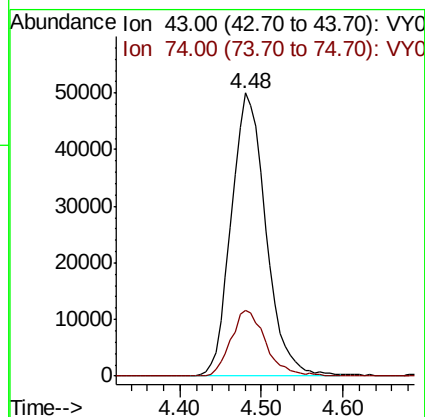
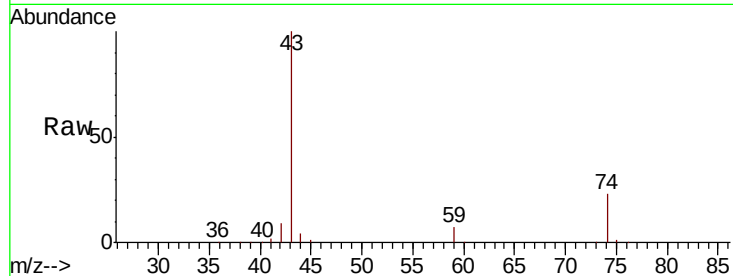




#15
Methvl Acetate
Concen: 28.250 ug/L
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

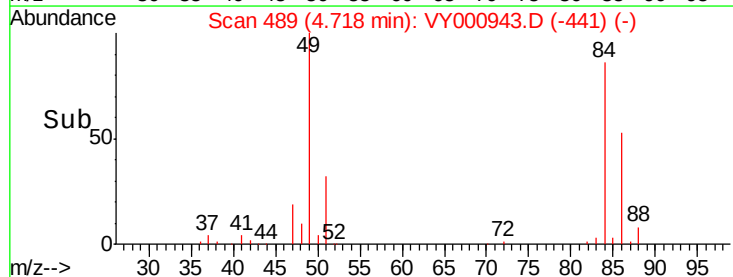
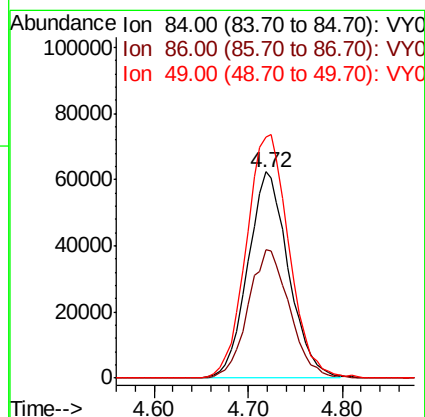
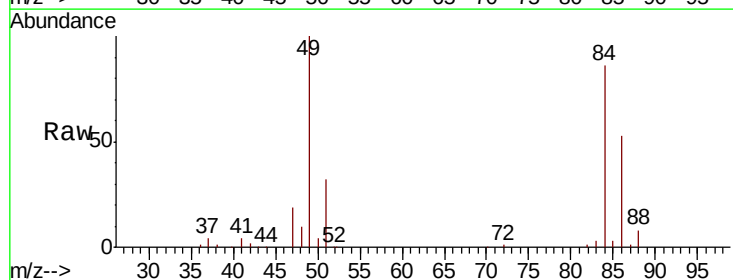
Instrument :
MSVOA_Y
ClientSampled :

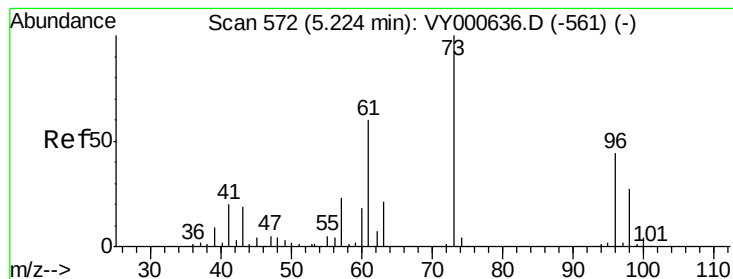
Tot Ion: 43 Resp: 147231
Ion Ratio Lower Upper
43 100
74 23.1 17.9 26.9



#16
Methylene chloride
Concen: 25.270 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 84 Resp: 188733
Ion Ratio Lower Upper
84 100
86 62.3 43.4 80.6
49 116.9 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 26.488 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampled :

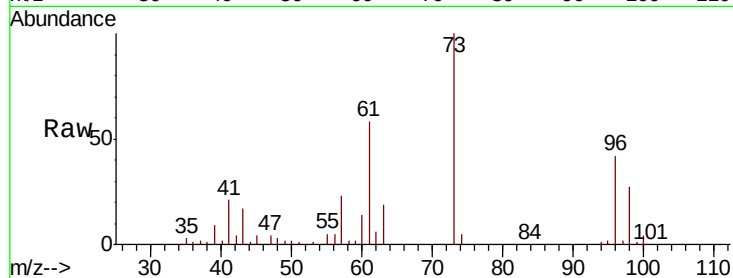
Tot Ion: 96 Resp: 179191

Ion Ratio Lower Upper

96 100

61 137.3 86.9 161.5

98 64.1 42.6 79.0

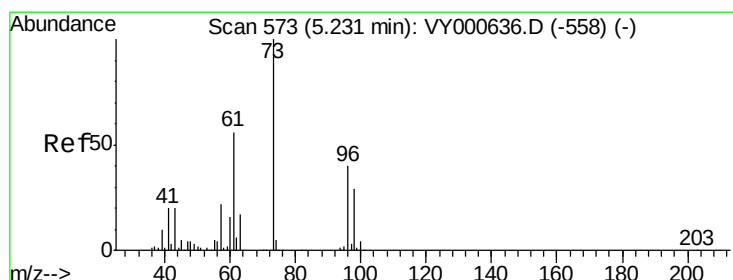
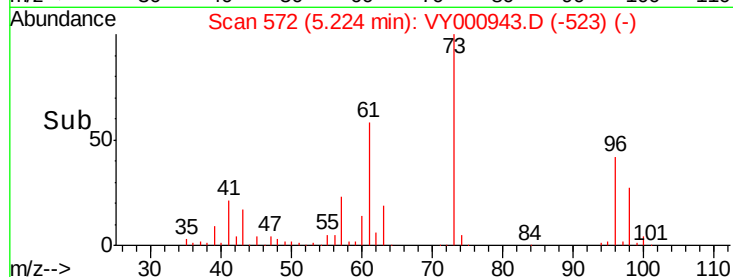
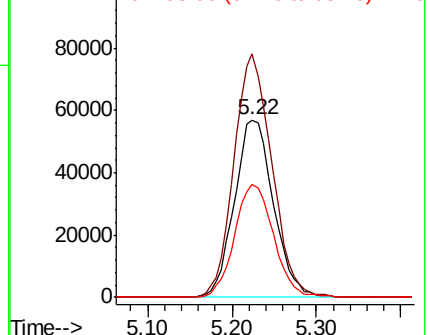


Abundance

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: 25.904 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

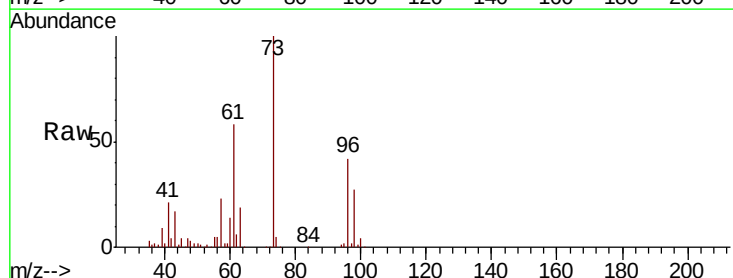
Tgt Ion: 73 Resp: 499372

Ion Ratio Lower Upper

73 100

43 17.7 15.7 23.5

57 22.9 17.6 26.4

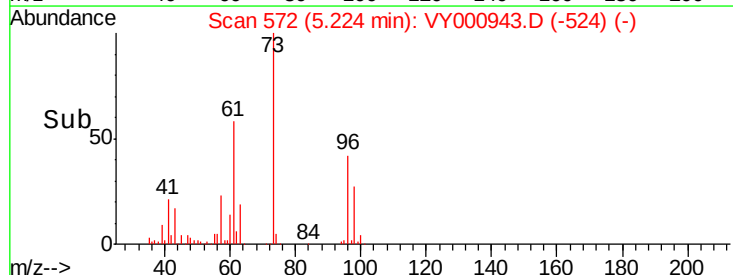
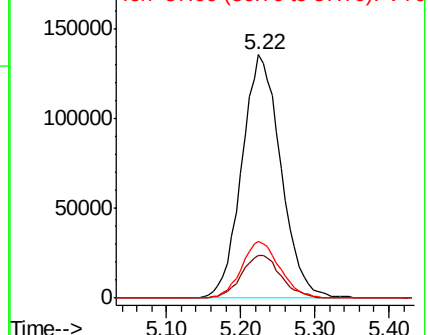


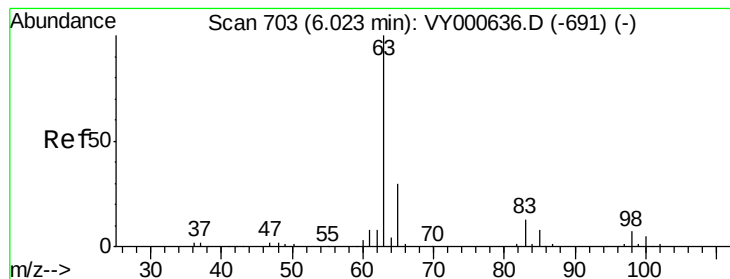
Abundance

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: 27.096 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampleId :

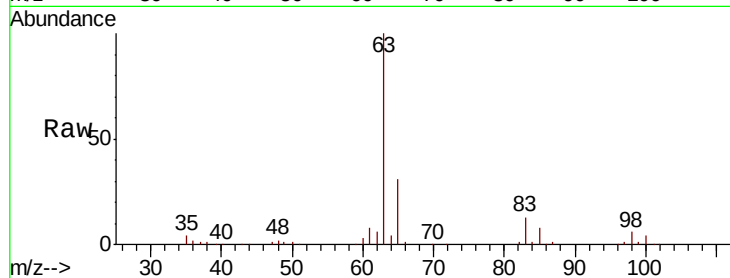
Tot Ion: 63 Resp: 321310

Ion Ratio Lower Upper

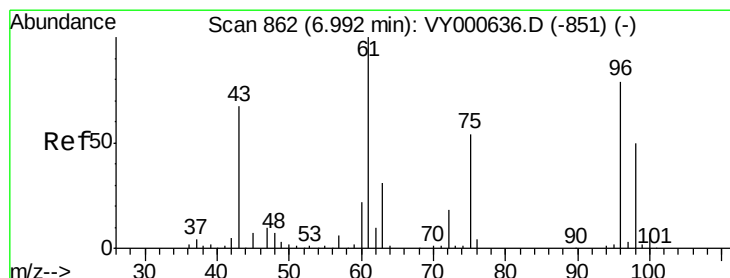
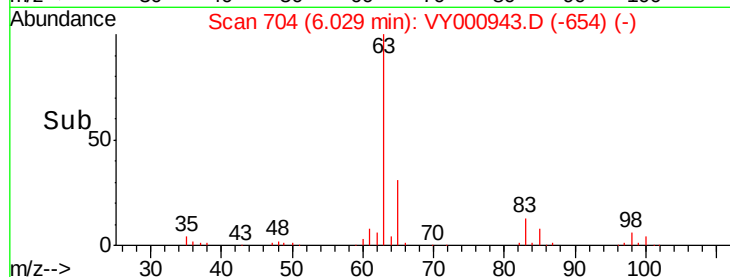
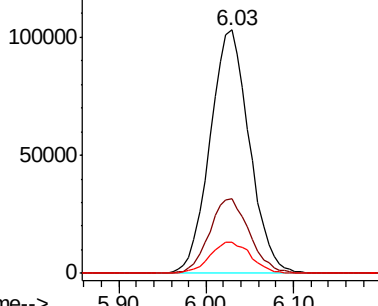
63 100

65 30.6 20.2 37.4

83 12.7 9.2 17.2



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



#20

cis-1,2-Dichloroethene

Concen: 26.555 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

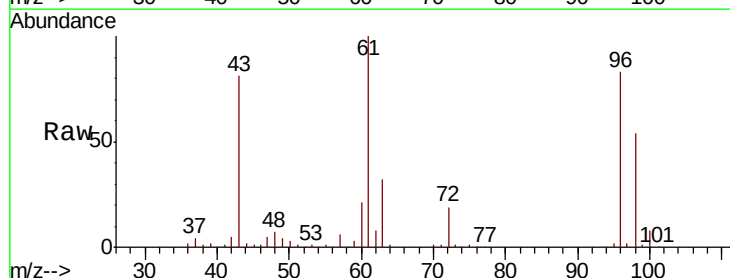
Tgt Ion: 96 Resp: 201125

Ion Ratio Lower Upper

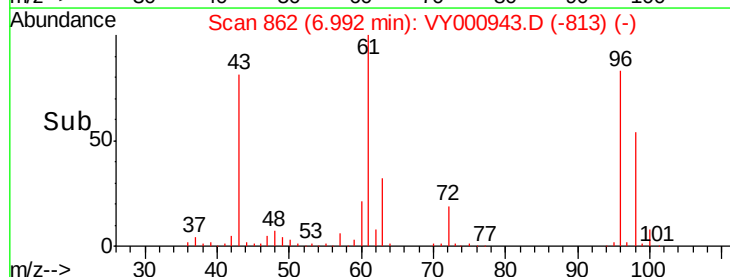
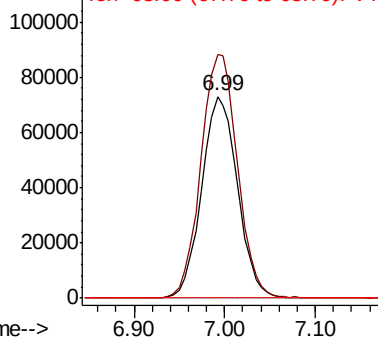
96 100

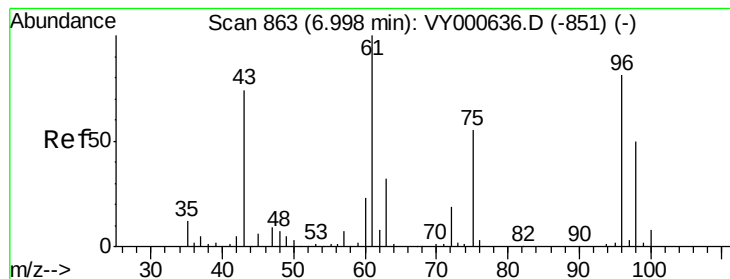
61 120.8 83.7 155.4

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 43.095 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

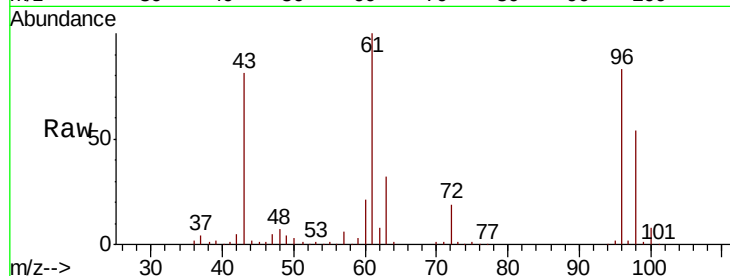
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 193110

Ion Ratio Lower Upper

43 100

72 27.0 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY000943.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VY000943.D (-814) (-)

6.99

80000

60000

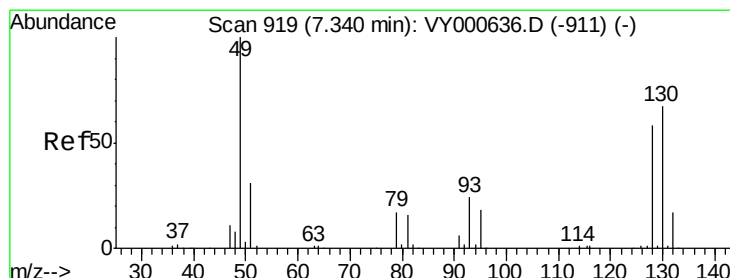
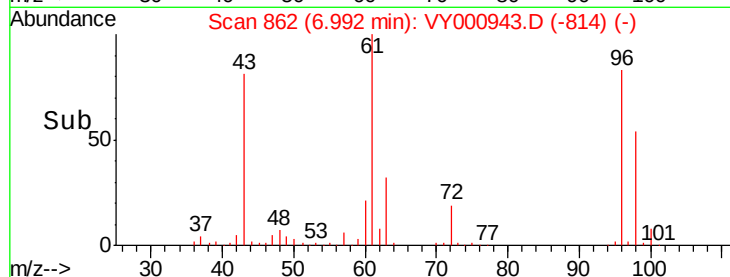
40000

20000

0

6.90 7.00 7.10

Time-->



#23

Bromochloromethane

Concen: 25.329 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Tgt Ion:128 Resp: 86241

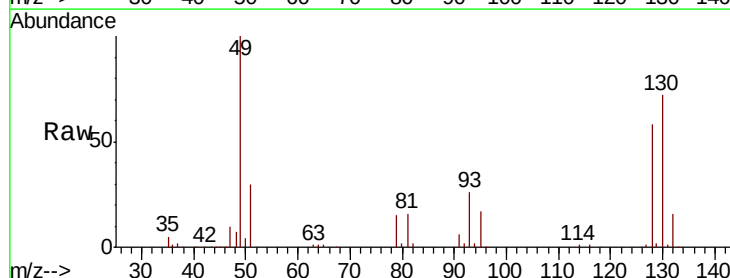
Ion Ratio Lower Upper

128 100

49 172.5 119.8 222.4

130 124.0 89.8 166.8

51 52.5 40.8 61.2



Abundance Ion 128.00 (127.70 to 128.70): VY000943.D (-870) (-)

Ion 49.00 (48.70 to 49.70): VY000943.D (-870) (-)

Ion 130.00 (129.70 to 130.70): VY000943.D (-870) (-)

Ion 51.00 (50.70 to 51.70): VY000943.D (-870) (-)

7.35

100000

80000

60000

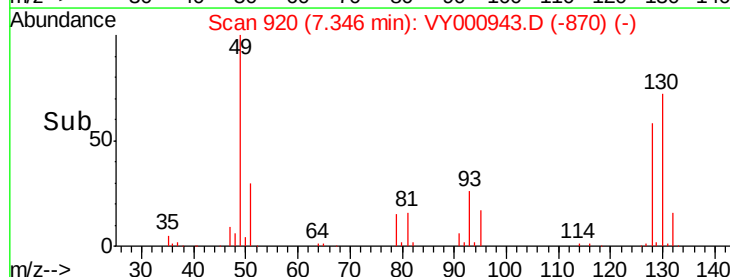
40000

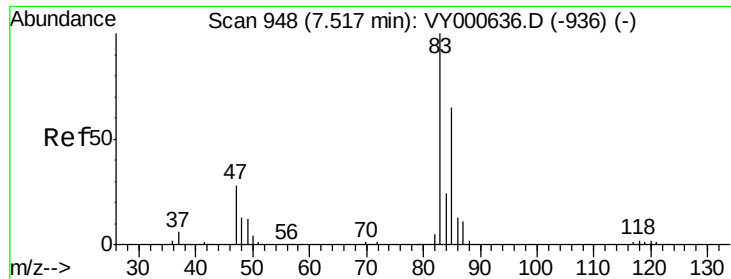
20000

0

7.30 7.40

Time-->

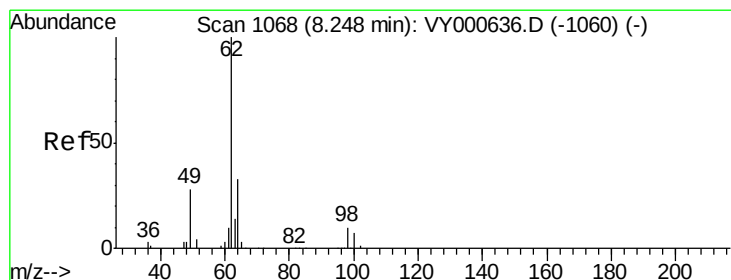
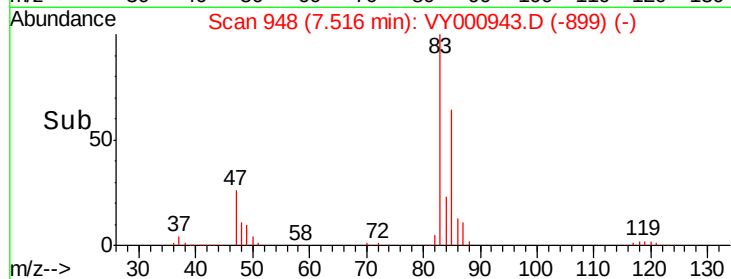
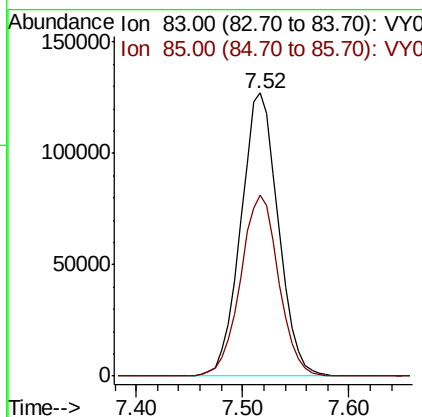
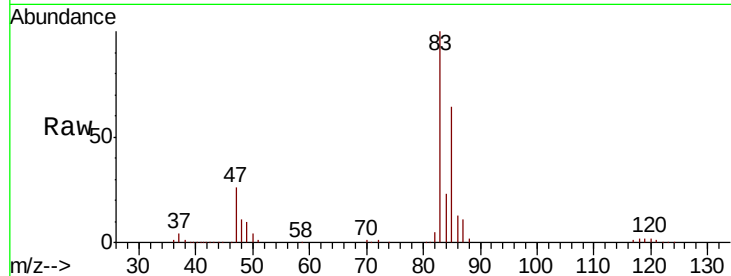




#25
Chloroform
Concen: 25.589 ug/L
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

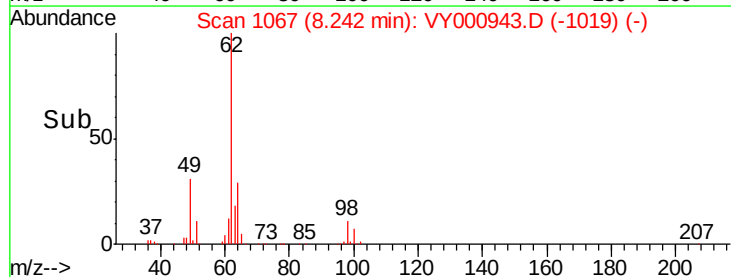
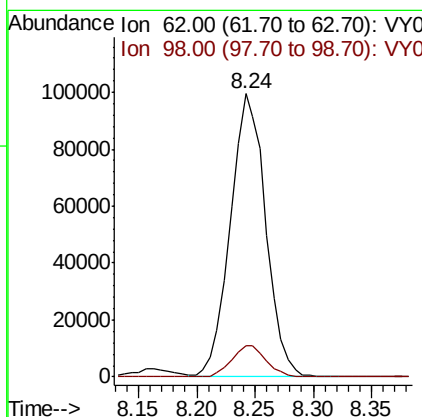
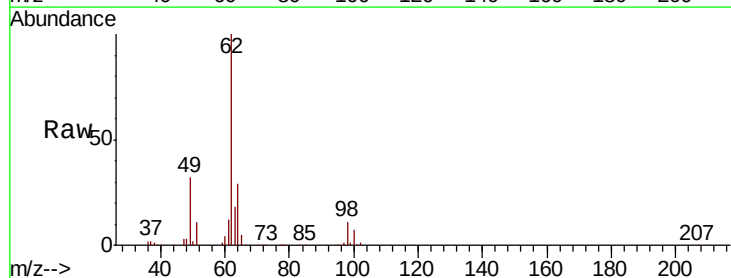
Instrument :
MSVOA_Y
ClientSampleId :

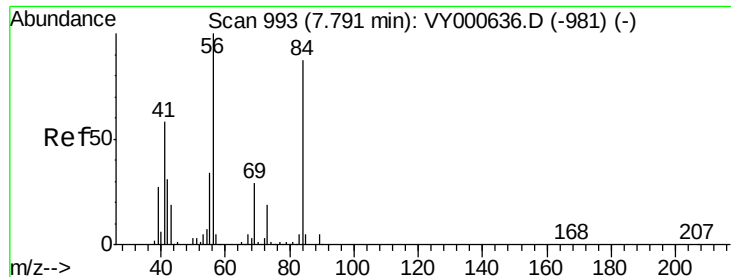
Tot Ion: 83 Resp: 313377
Ion Ratio Lower Upper
83 100
85 64.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.018 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 62 Resp: 210112
Ion Ratio Lower Upper
62 100
98 11.1 7.8 11.8

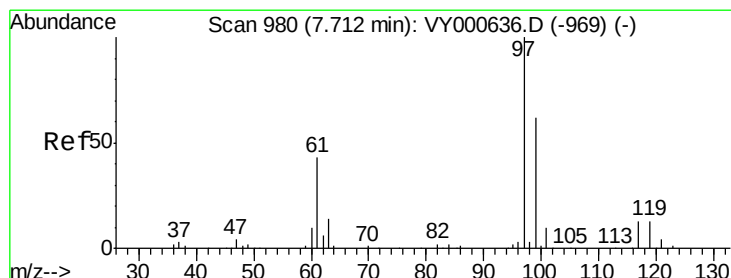
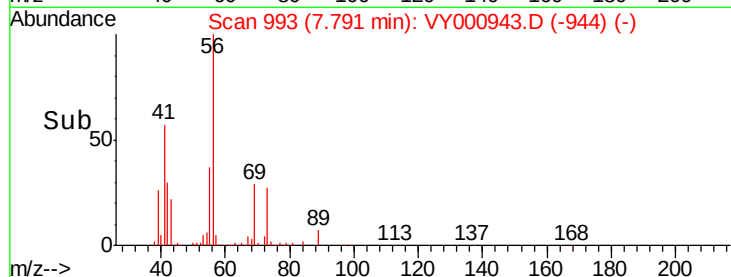
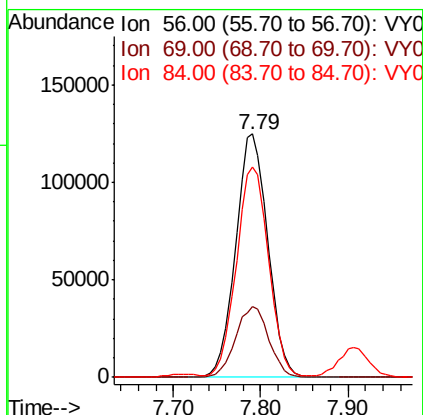
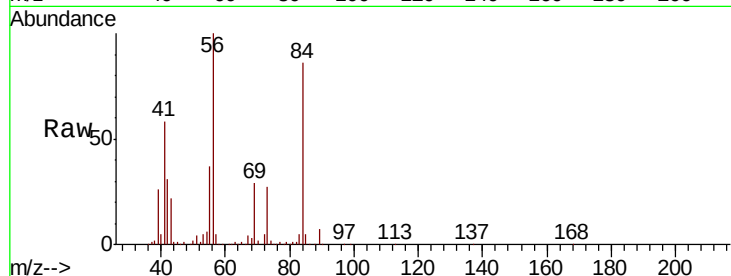




#29
Cyclohexane
Concen: 27.698 ug/L
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

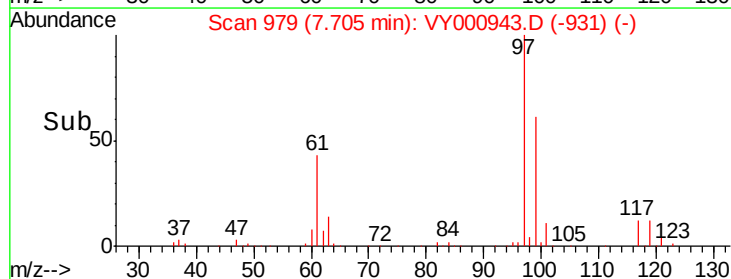
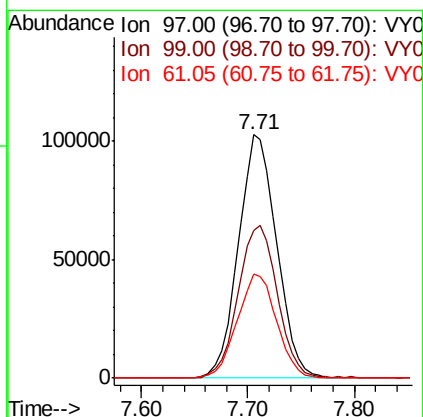
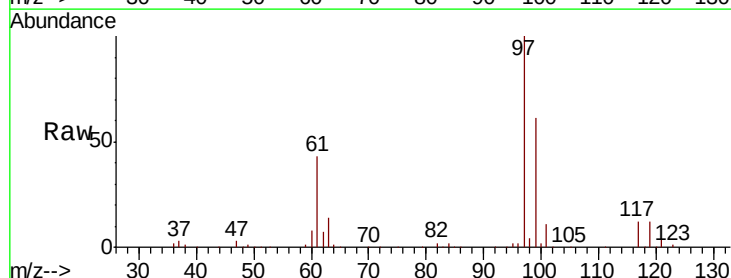
Instrument :
MSVOA_Y
ClientSampleId :

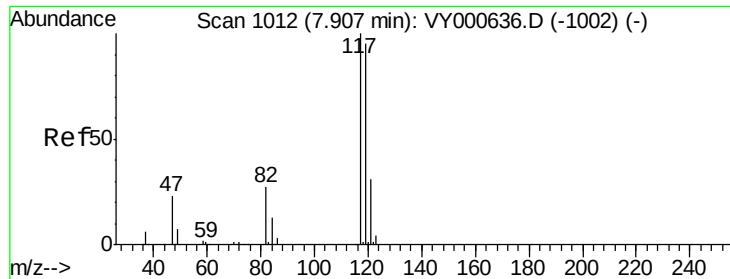
Tot Ion: 56 Resp: 318865
Ion Ratio Lower Upper
56 100
69 29.9 23.4 35.2
84 87.2 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 25.543 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 97 Resp: 259673
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.8 35.4 53.0

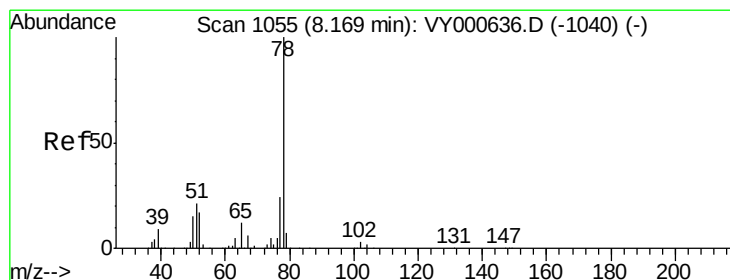
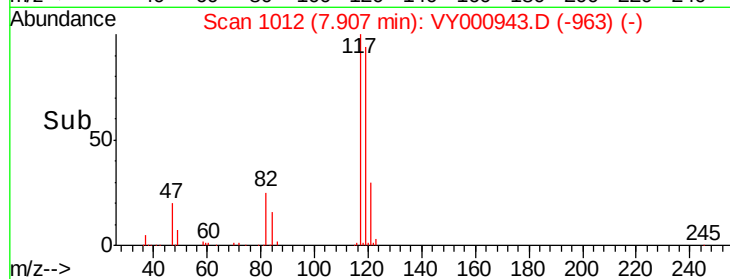
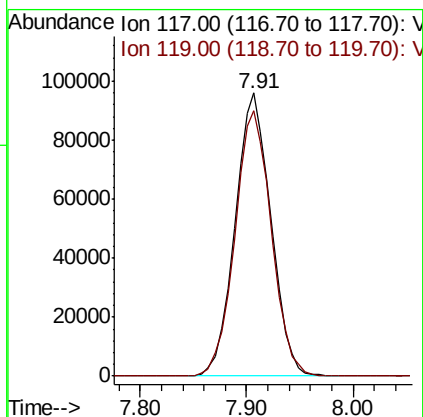
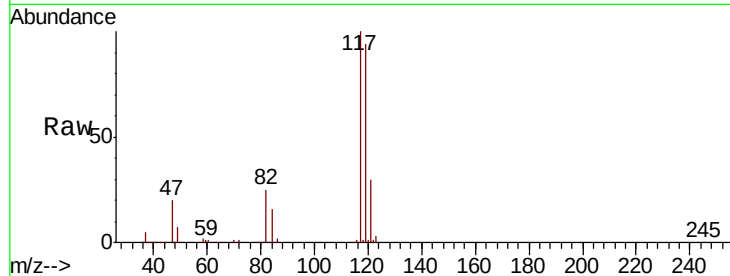




#31
Carbon tetrachloride
Concen: 24.137 ug/L
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

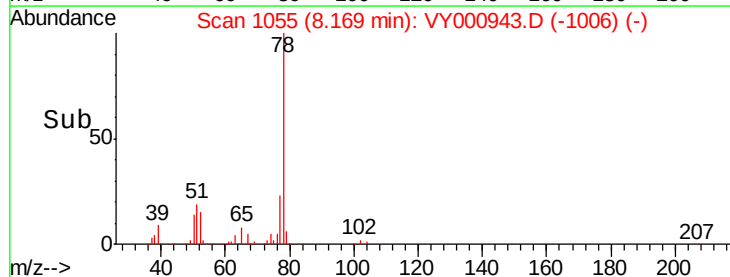
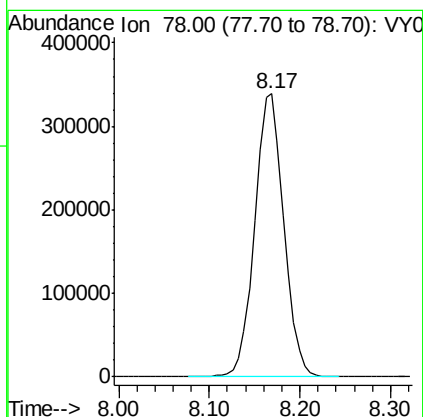
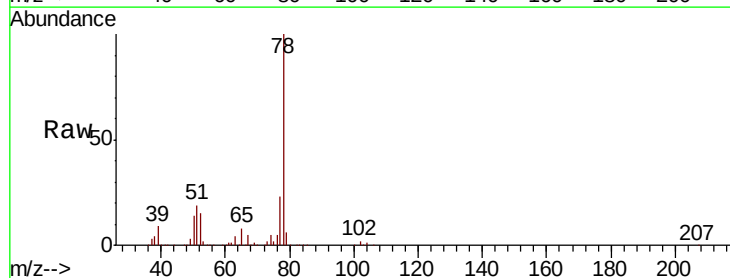
Instrument :
MSVOA_Y
ClientSampled :

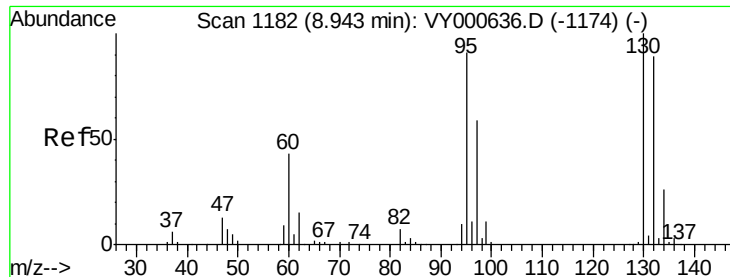
Tot Ion:117 Resp: 226281
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2



#33
Benzene
Concen: 27.071 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 78 Resp: 749312

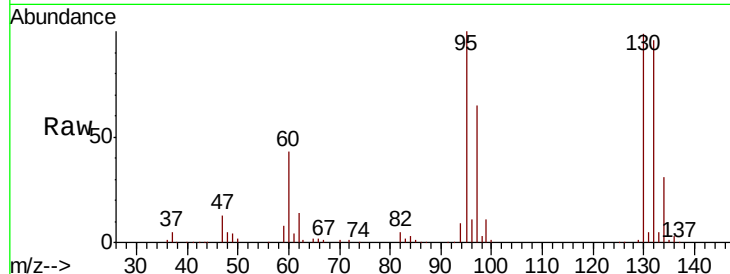




#34
 Trichloroethene
 Concen: 26.874 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	95	Resp:	196301
Ion	Ratio	Lower	Upper
95	100		
97	64.7	41.4	76.8
132	96.2	69.7	129.4
130	98.6	73.1	135.8



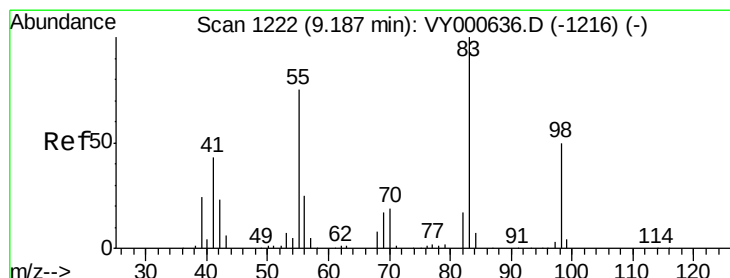
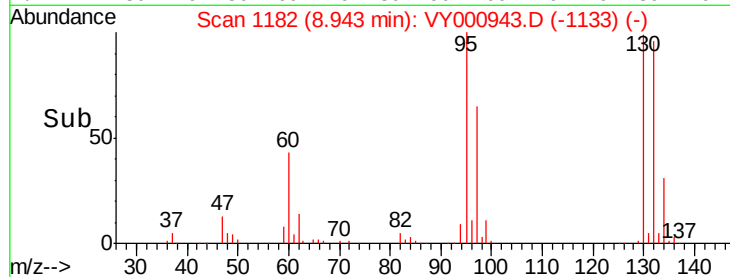
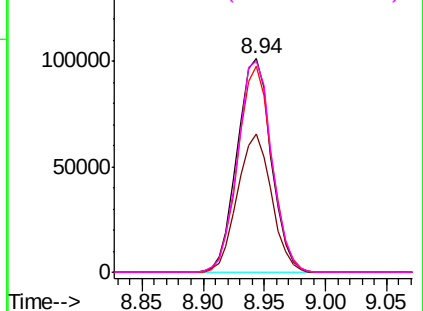
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

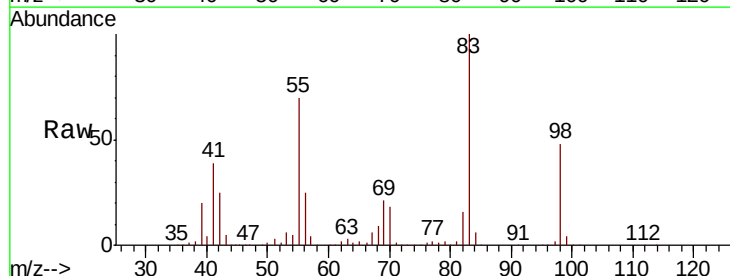
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 27.201 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion:	83	Resp:	341291
Ion	Ratio	Lower	Upper
83	100		
55	71.8	57.8	86.8
98	48.0	38.7	58.1

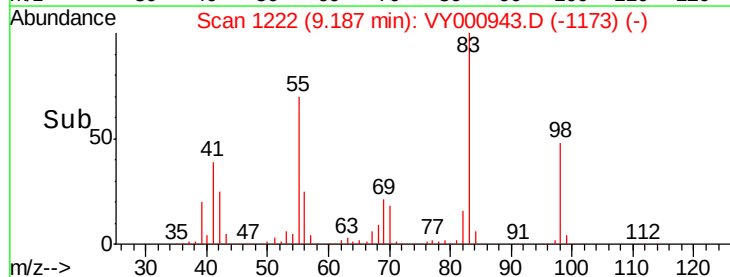
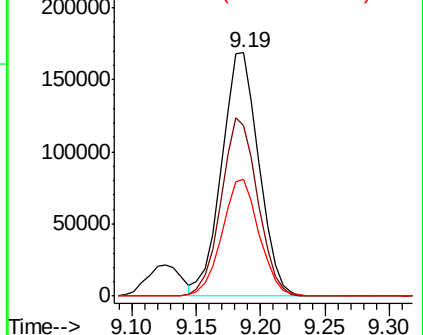


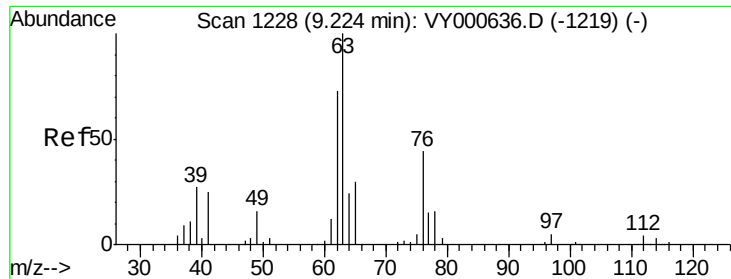
Abundance

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

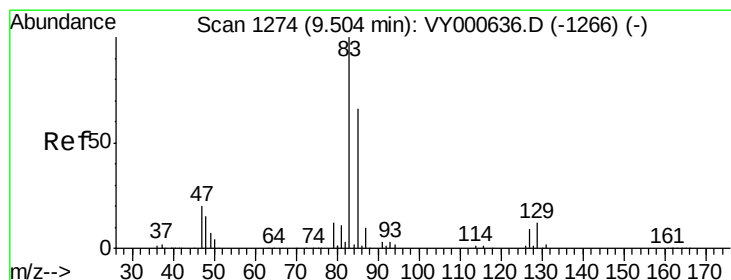
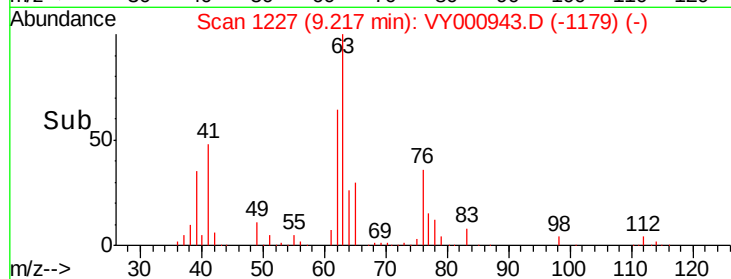
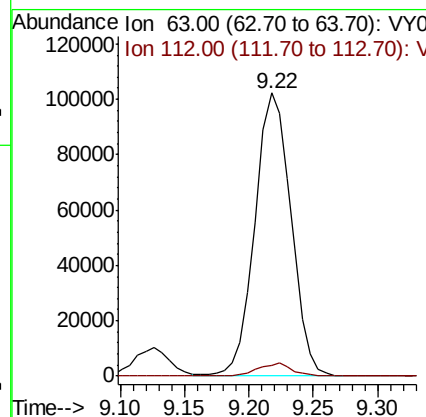
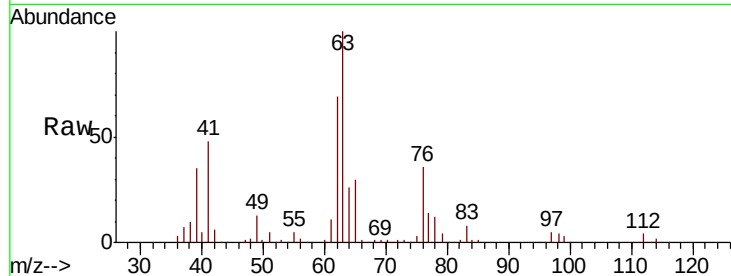




#37
 1,2-Dichloropropane
 Concen: 28.044 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

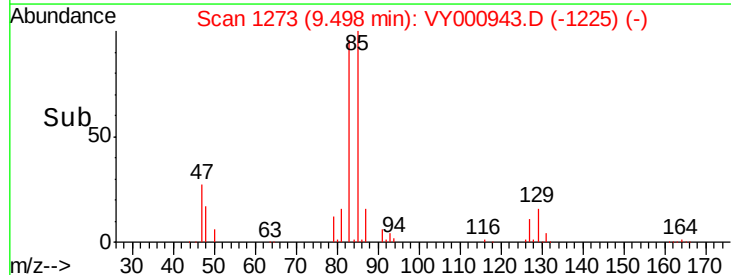
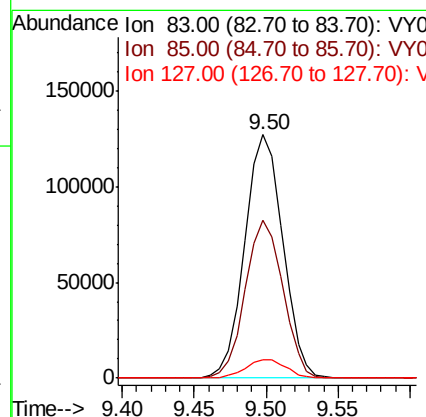
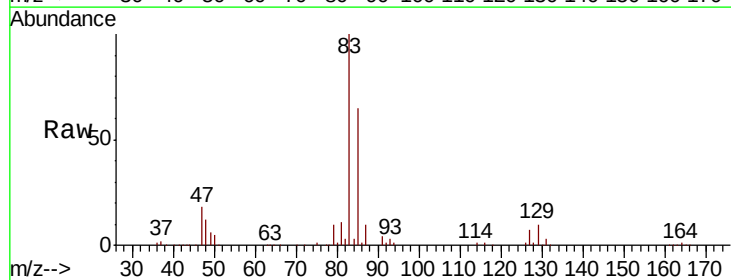
Instrument :
 MSVOA_Y
 ClientSampled :

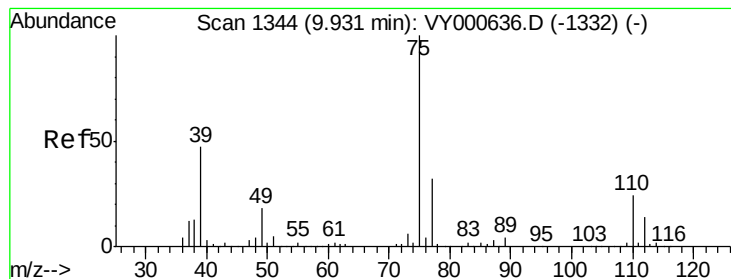
Tot Ion: 63 Resp: 198036
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 25.977 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion: 83 Resp: 233394
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.1 85.7
 127 7.3 6.5 9.7



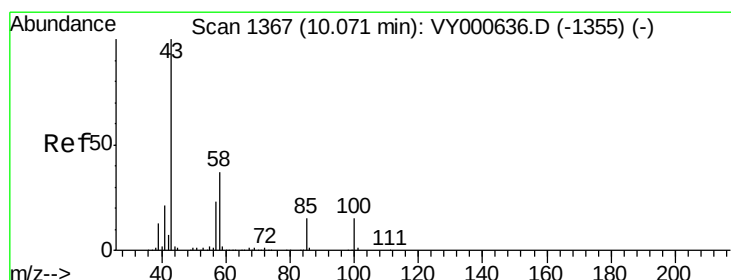
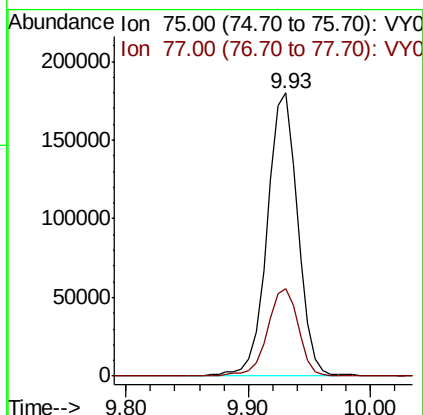
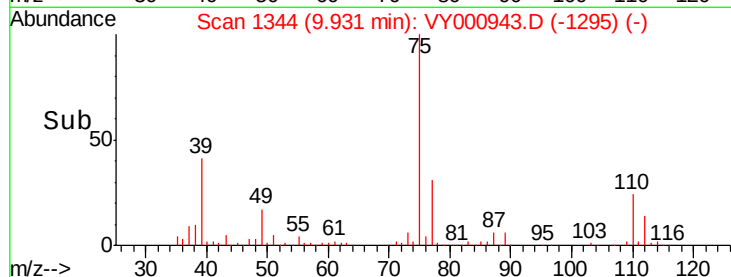
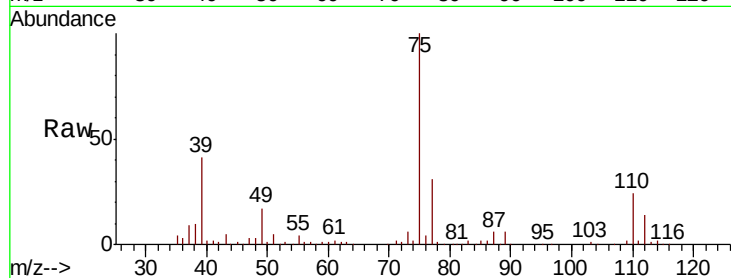


#39

cis-1,3-Dichloropropene
Concen: 27.602 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Instrument :
MSVOA_Y
ClientSampled :

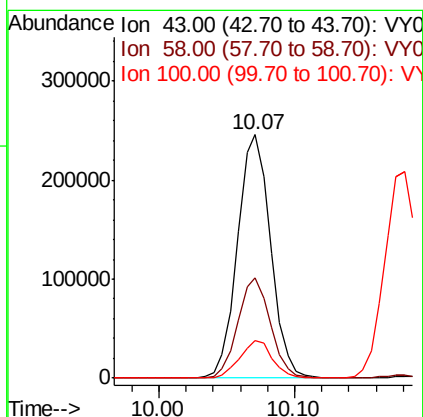
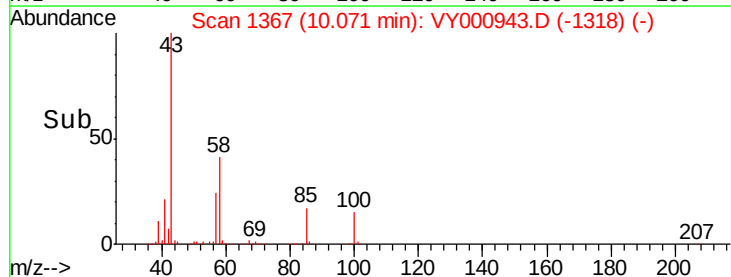
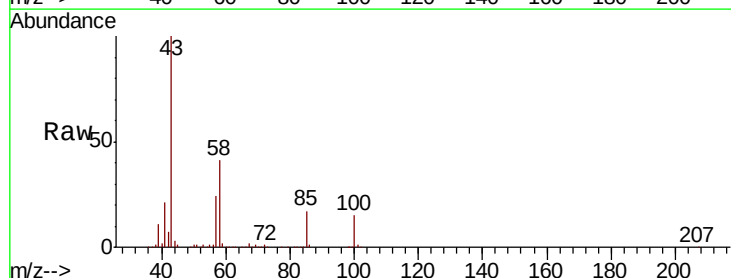
Tot Ion: 75 Resp: 312333
Ion Ratio Lower Upper
75 100
77 31.1 21.3 39.6

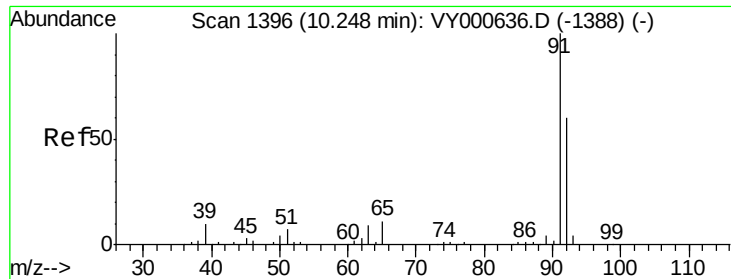


#40

4-Methyl-2-pentanone
Concen: 53.679 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 43 Resp: 417714
Ion Ratio Lower Upper
43 100
58 40.6 30.6 45.8
100 15.3 11.6 17.4





#42

Toluene

Concen: 26.851 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

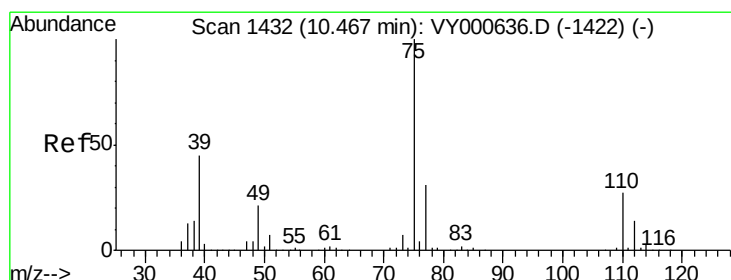
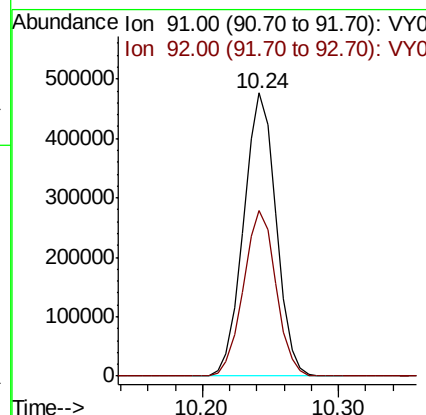
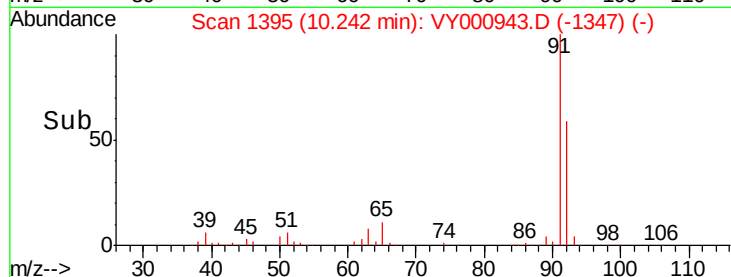
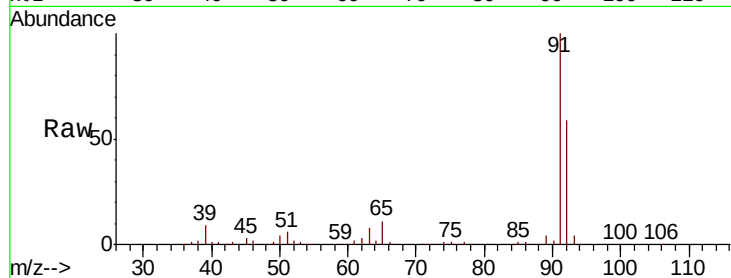
ClientSampled :

Tot Ion: 91 Resp: 793701

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 26.487 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000943.D

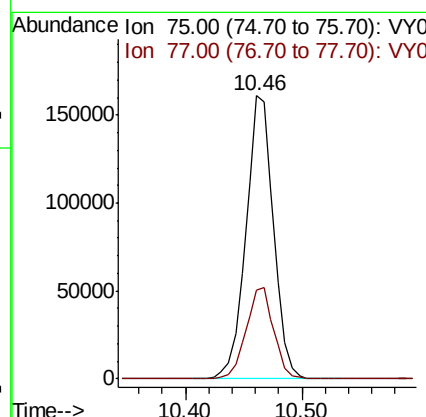
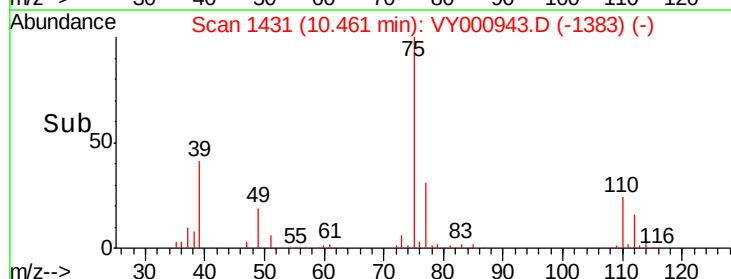
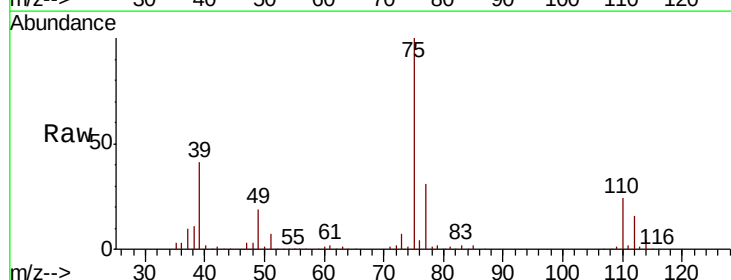
Acq: 13 Dec 2019 13:23

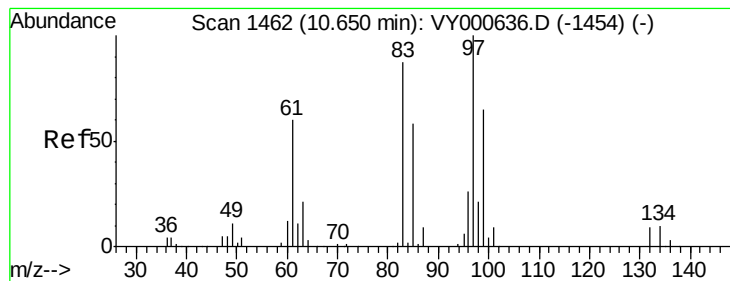
Tgt Ion: 75 Resp: 264866

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 27.430 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 164433

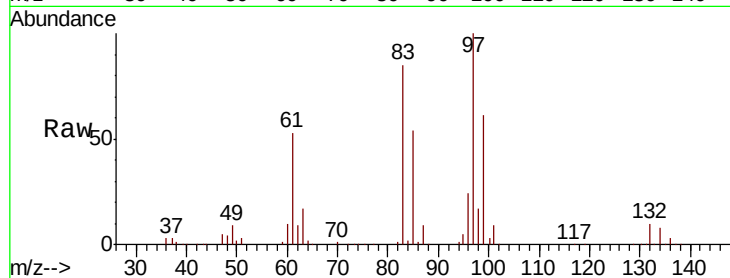
Ion Ratio Lower Upper

97 100

99 60.7 42.1 78.1

83 85.4 56.8 105.6

85 53.8 36.5 67.9

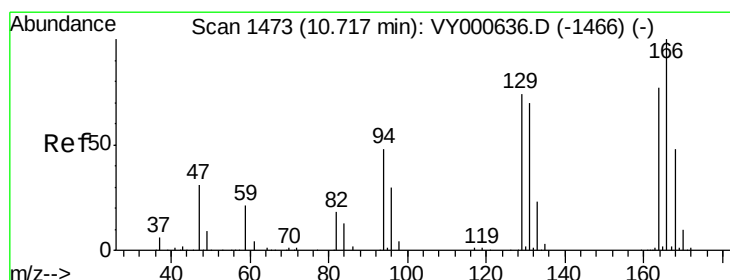
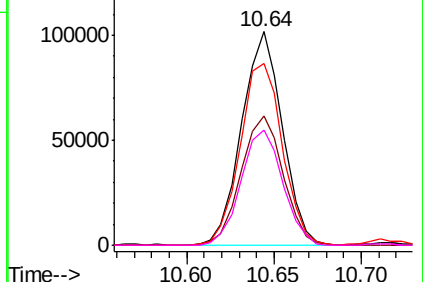
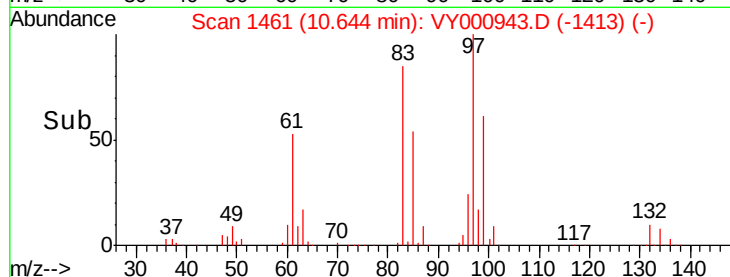


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 24.538 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Tgt Ion: 164 Resp: 136826

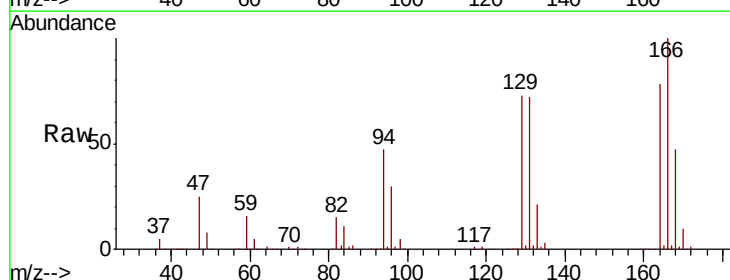
Ion Ratio Lower Upper

164 100

129 93.9 65.7 121.9

131 92.6 64.7 120.1

166 128.0 85.8 159.3

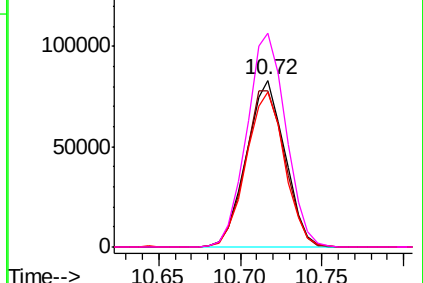
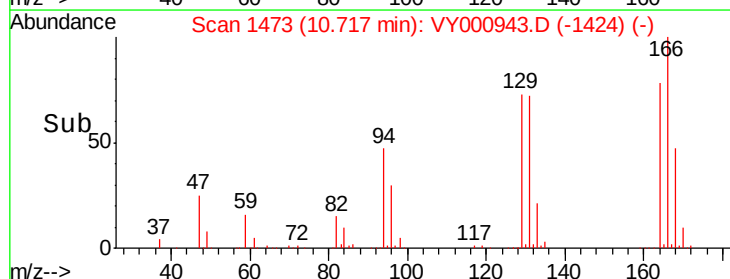


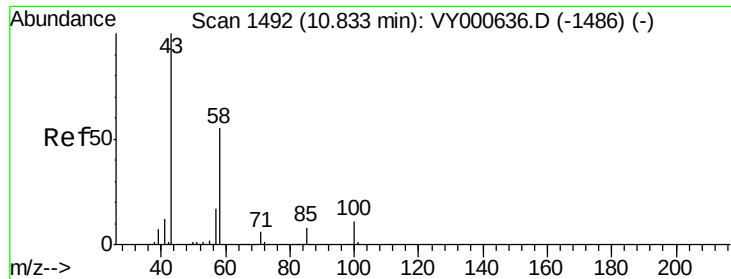
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

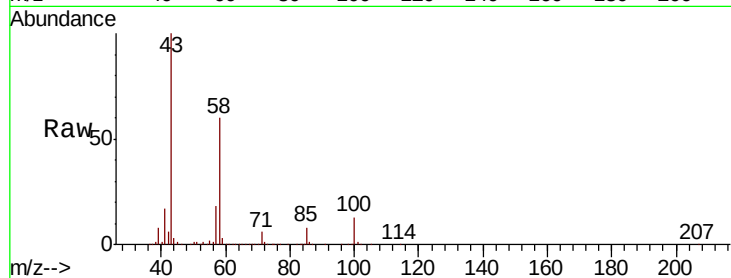




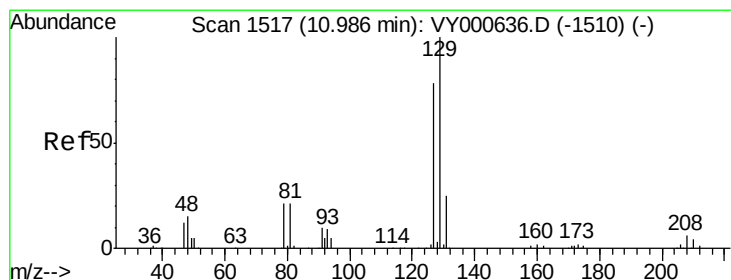
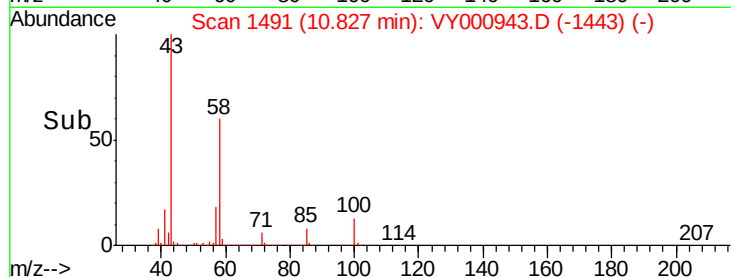
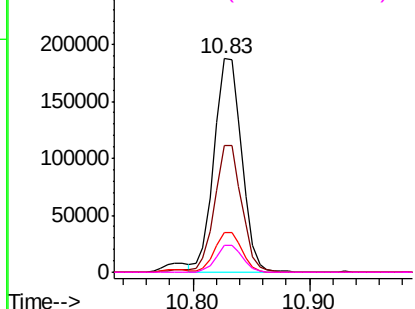
#48
2-Hexanone
Concen: 50.433 ug/L
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 306798
Ion Ratio Lower Upper
43 100
58 57.8 42.5 63.7
57 18.1 14.2 21.4
100 12.1 9.1 13.7

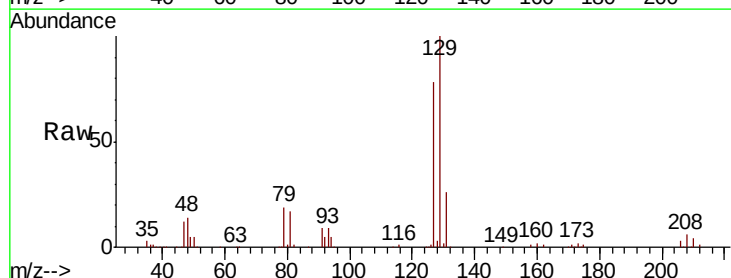


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

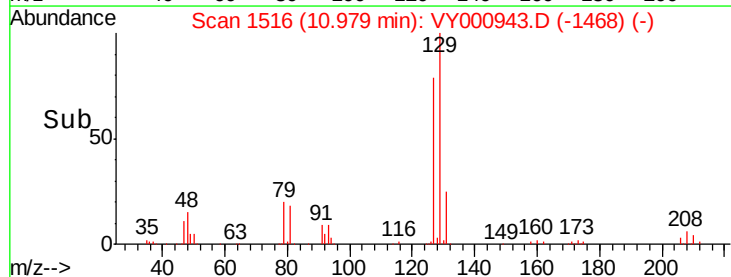
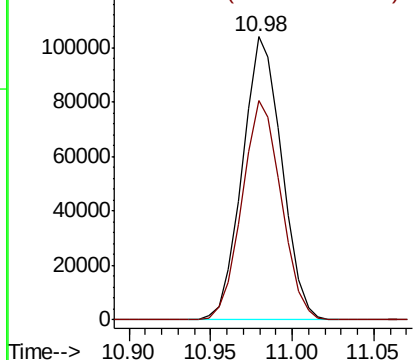


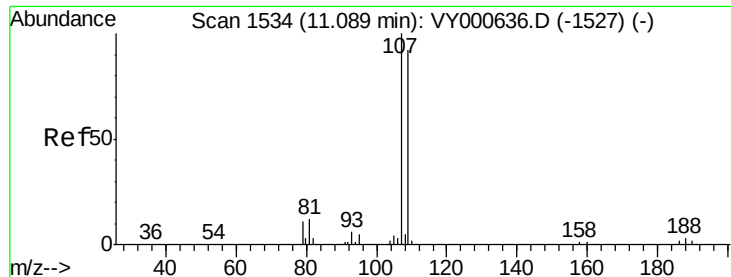
#49
Dibromochloromethane
Concen: 25.799 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion: 129 Resp: 174269
Ion Ratio Lower Upper
129 100
127 77.6 54.9 102.1



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

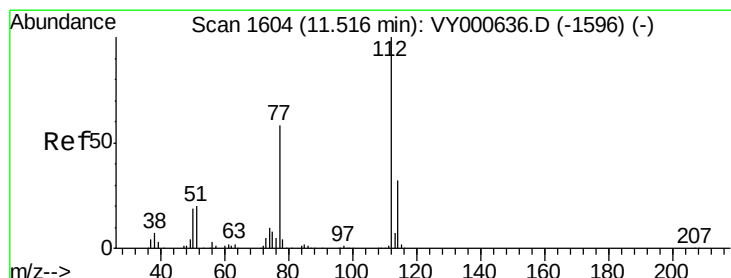
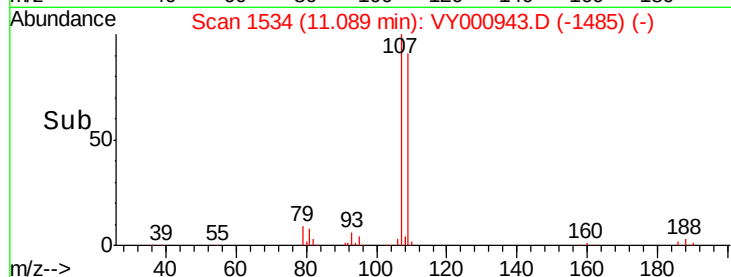
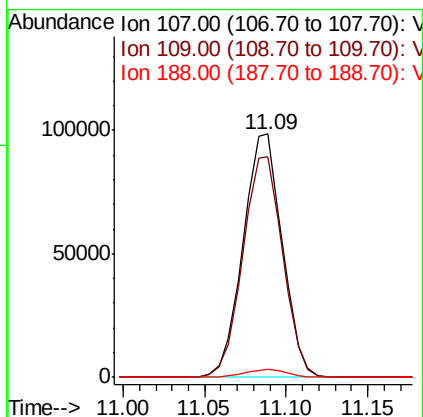
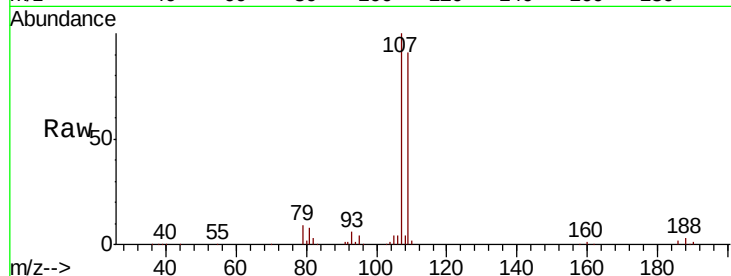




#50
 1,2-Dibromoethane
 Concen: 27.161 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

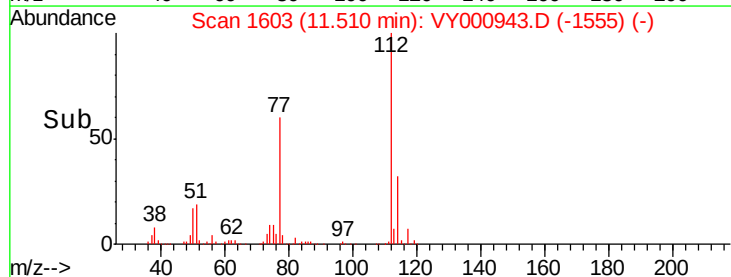
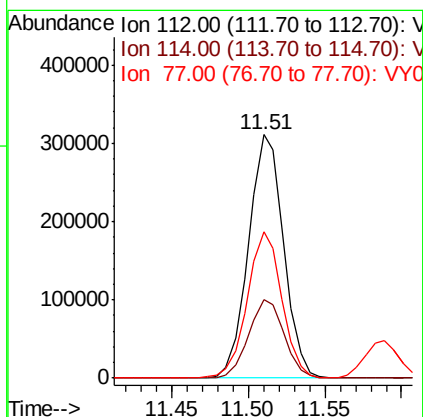
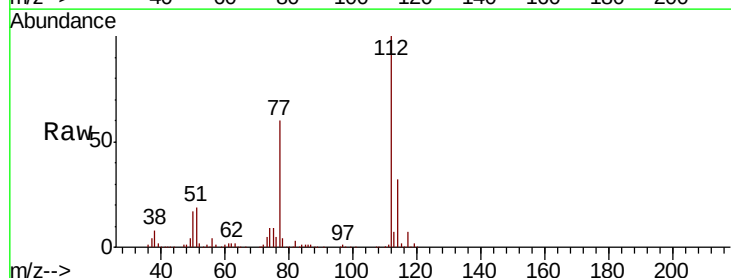
Instrument :
 MSVOA_Y
 ClientSampleId :

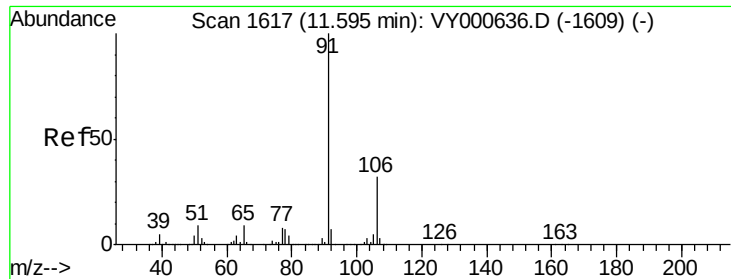
Tot Ion:107 Resp: 164672
 Ion Ratio Lower Upper
 107 100
 109 90.5 68.3 126.9
 188 3.3 2.2 3.2#



#51
 Chlorobenzene
 Concen: 26.208 ug/L
 RT: 11.51 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion:112 Resp: 494836
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.1 41.1
 77 59.9 45.3 67.9





#52

Ethylbenzene

Concen: 26.279 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

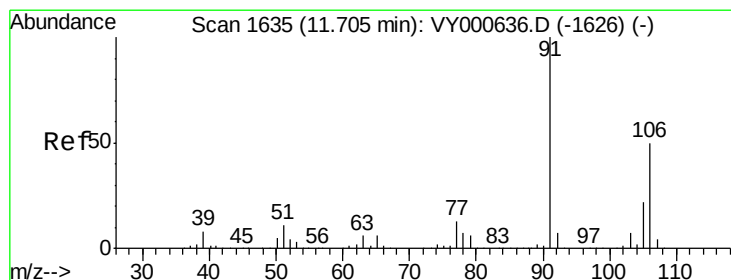
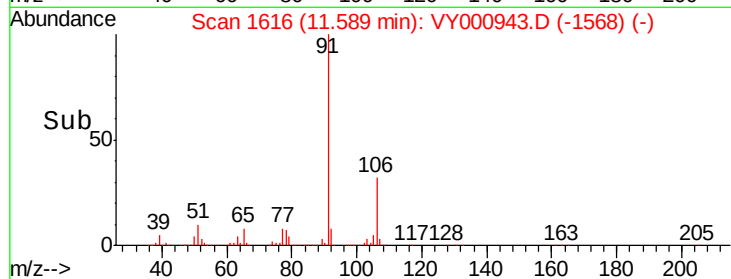
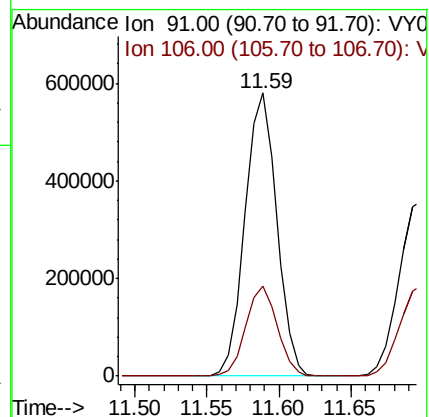
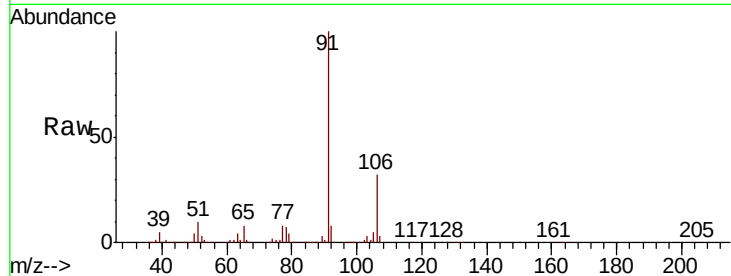
ClientSampleId :

Tot Ion: 91 Resp: 886154

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-Xylene

Concen: 26.246 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000943.D

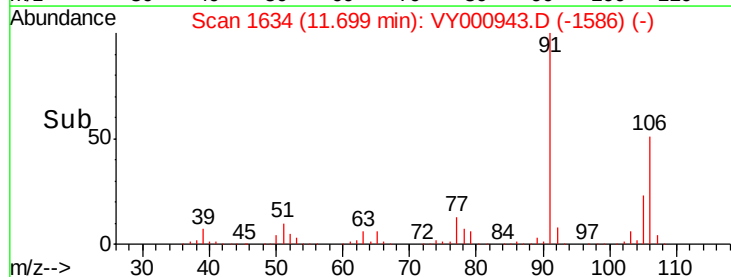
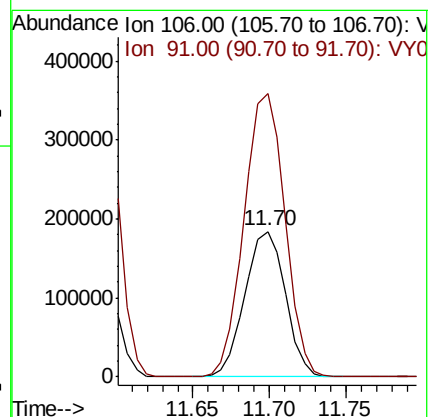
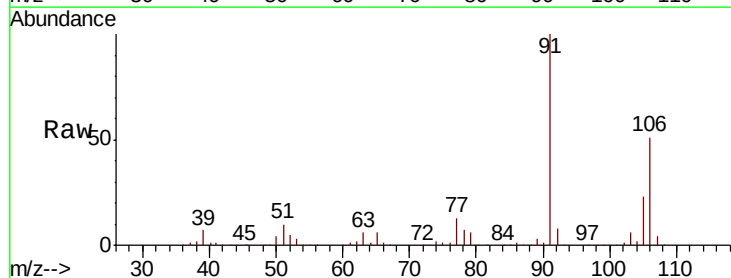
Acq: 13 Dec 2019 13:23

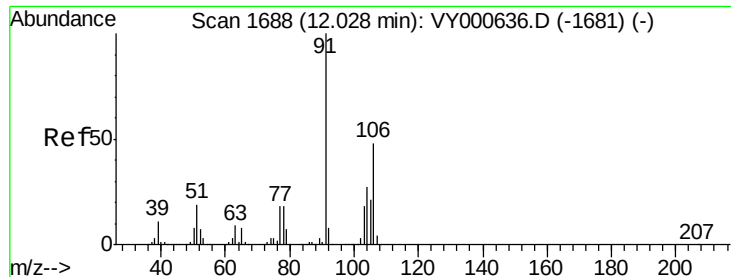
Tgt Ion: 106 Resp: 339131

Ion Ratio Lower Upper

106 100

91 194.4 138.8 257.8





#54

o-Xylene

Concen: 26.029 ug/L

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

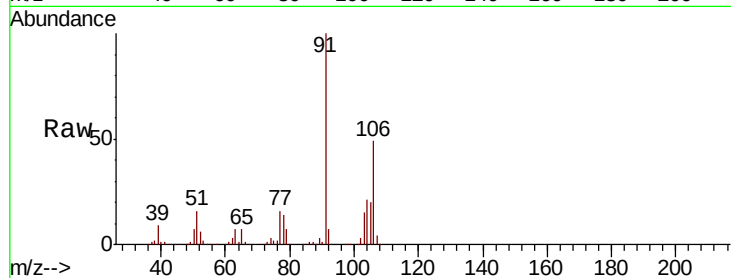
ClientSampled :

Tot Ion:106 Resp: 326648

Ion Ratio Lower Upper

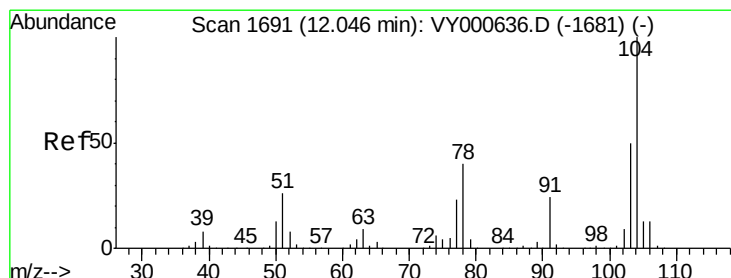
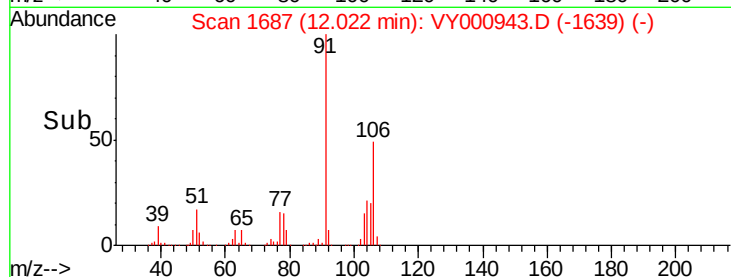
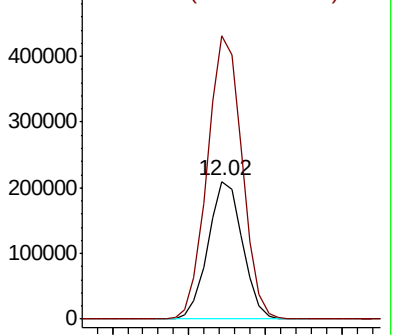
106 100

91 205.7 143.6 266.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 26.477 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VY000943.D

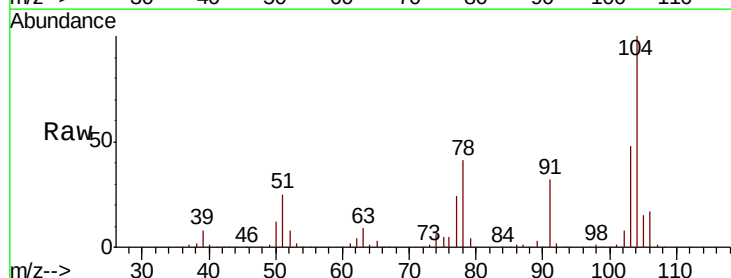
Acq: 13 Dec 2019 13:23

Tgt Ion:104 Resp: 561906

Ion Ratio Lower Upper

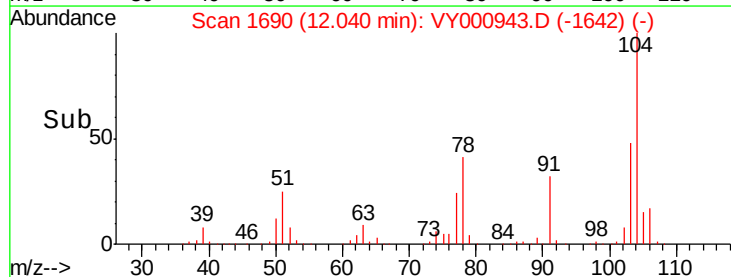
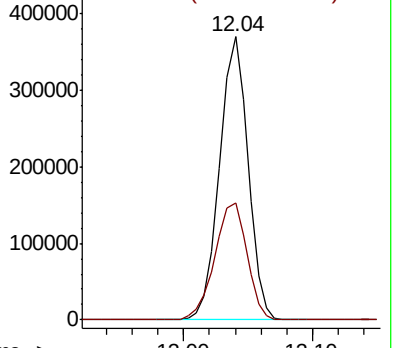
104 100

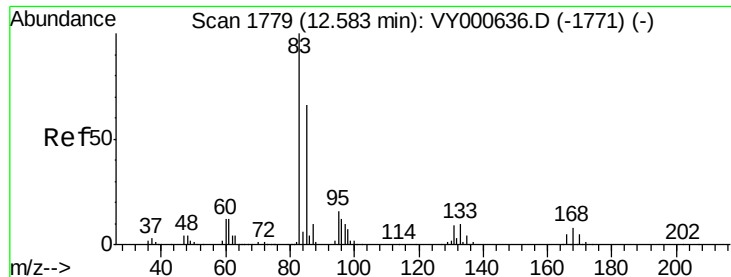
78 41.3 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

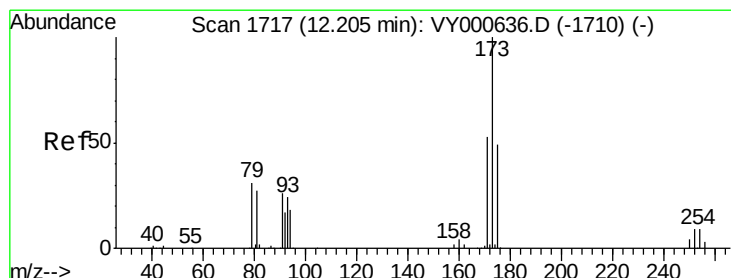
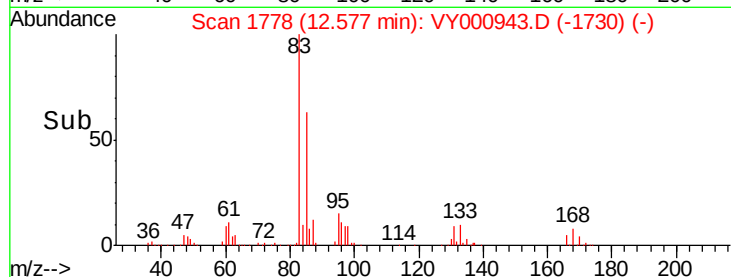
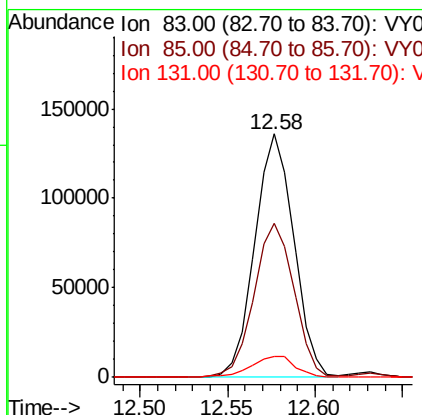
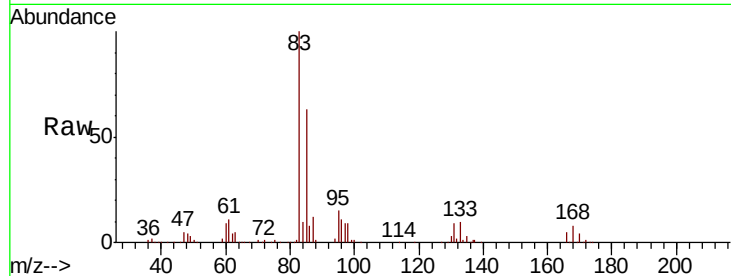




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.002 ug/L
 RT: 12.58 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

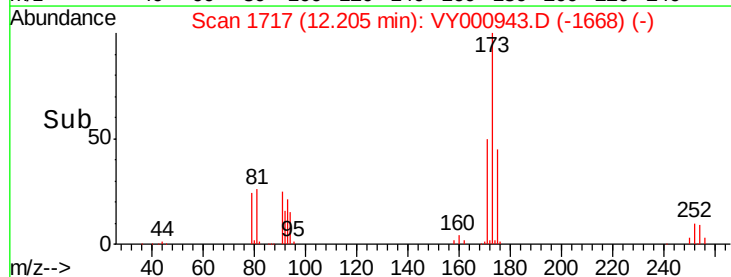
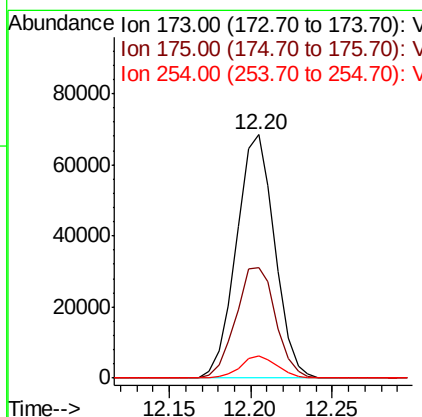
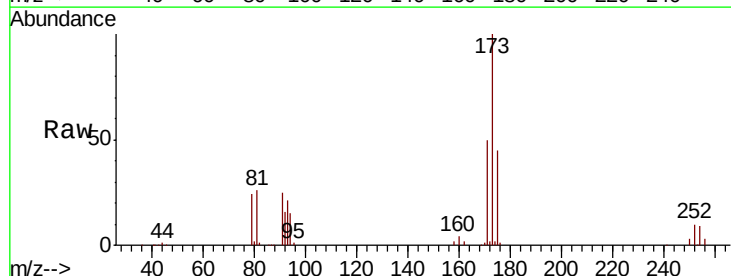
Instrument :
 MSVOA_Y
 ClientSampleId :

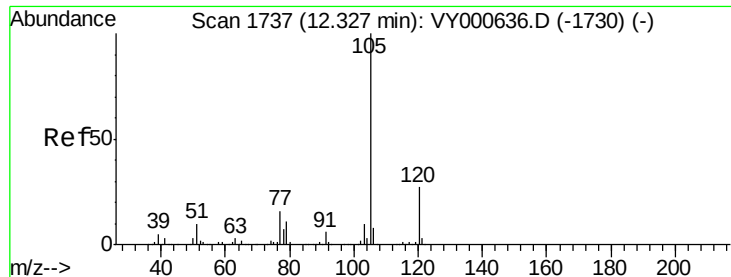
Tot Ion: 83 Resp: 211292
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.4 84.2
 131 8.6 7.9 11.9



#59
 Bromoform
 Concen: 26.076 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion: 173 Resp: 111957
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.2 57.2
 254 8.9 7.8 11.8





#60

Isopropylbenzene

Concen: 26.415 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampleId :

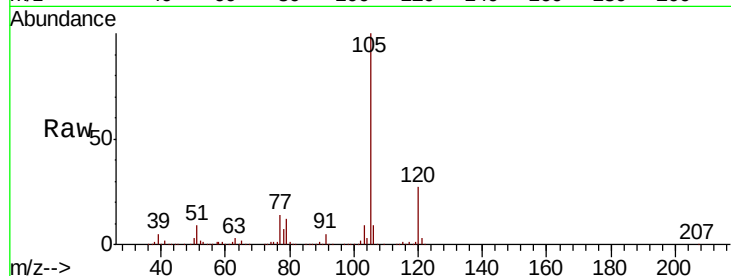
Tot Ion:105 Resp: 851423

Ion Ratio Lower Upper

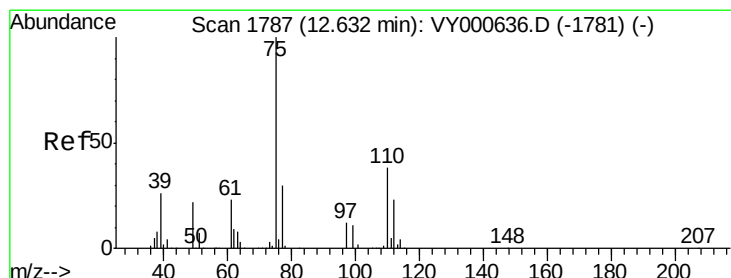
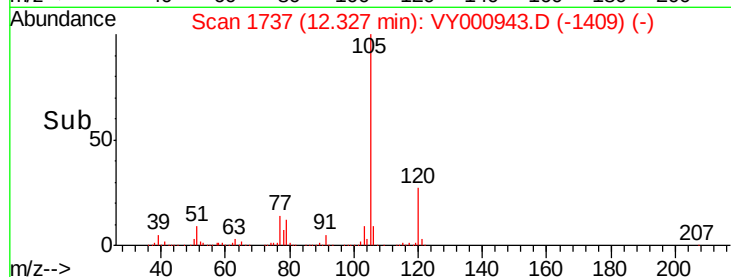
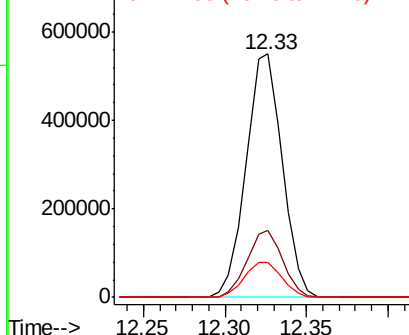
105 100

120 26.9 21.8 32.8

77 15.0 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 27.254 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

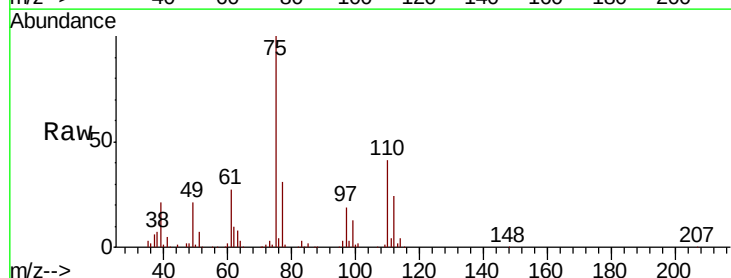
Tgt Ion: 75 Resp: 174698

Ion Ratio Lower Upper

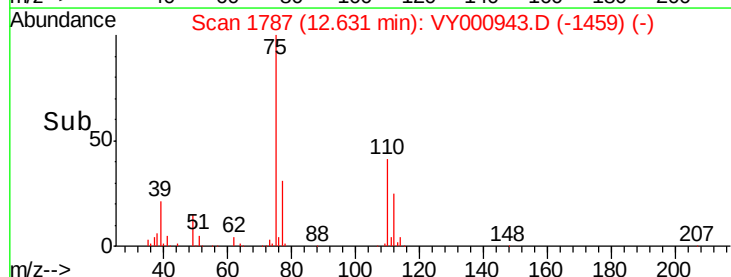
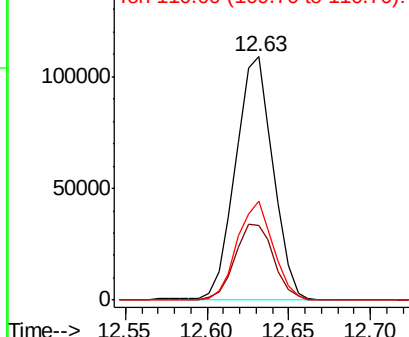
75 100

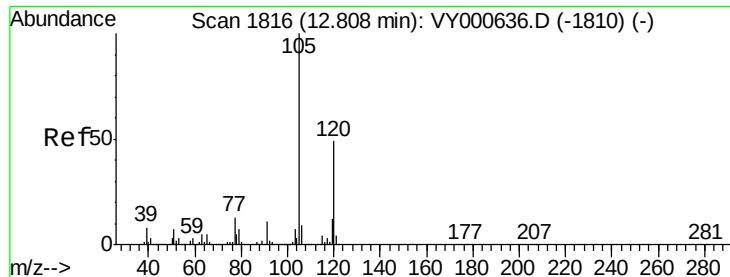
77 32.3 25.4 38.0

110 39.2 33.0 49.4



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.127 ug/L

RT: 12.74 min Scan# 1804

Delta R.T. -0.07 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

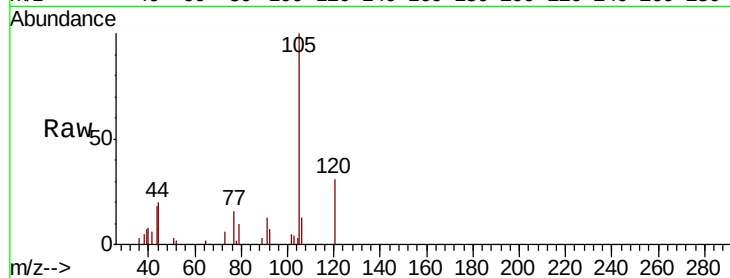
ClientSampleId :

Tot Ion:105 Resp: 3362

Ion Ratio Lower Upper

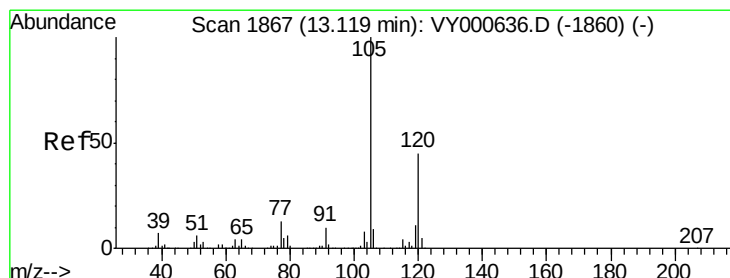
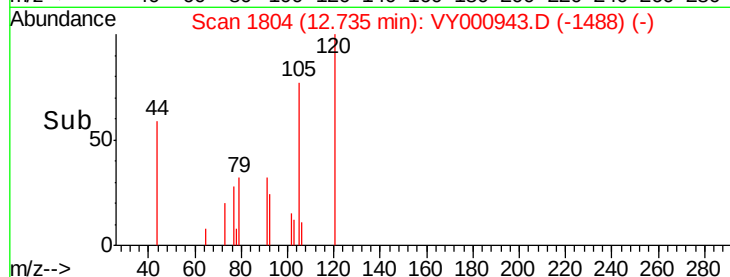
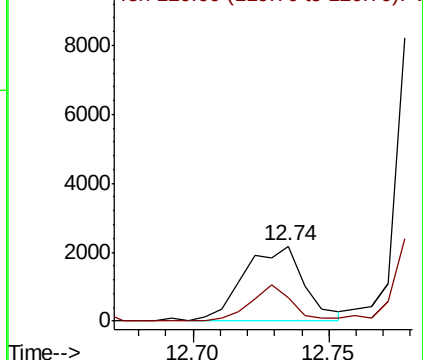
105 100

120 33.7 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: 26.357 ug/L

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY000943.D

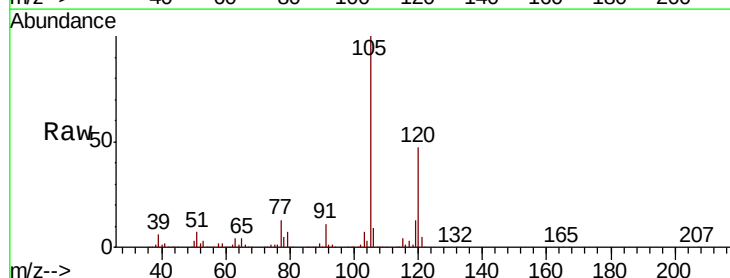
Acq: 13 Dec 2019 13:23

Tgt Ion:105 Resp: 686526

Ion Ratio Lower Upper

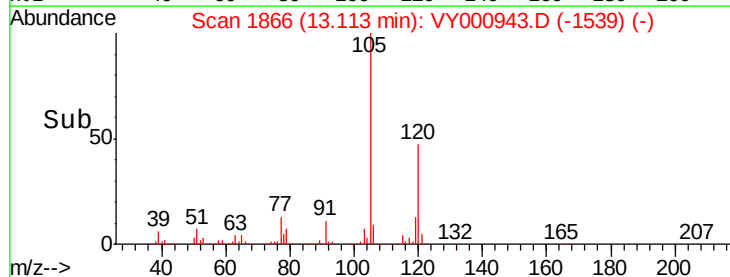
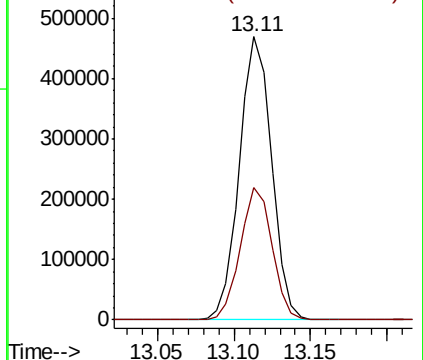
105 100

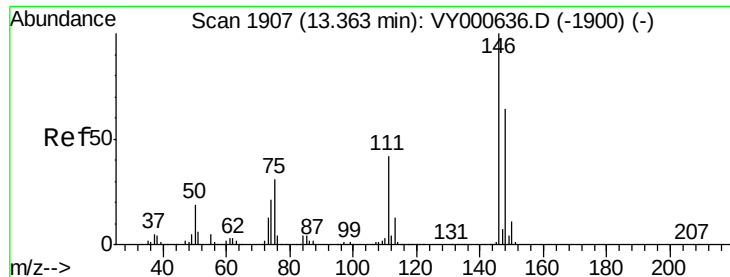
120 46.1 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 26.007 ug/L

RT: 13.36 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY000943.D

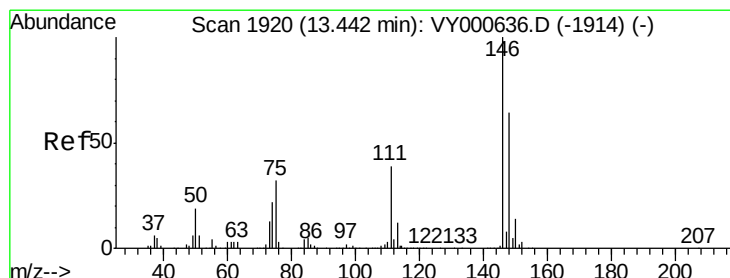
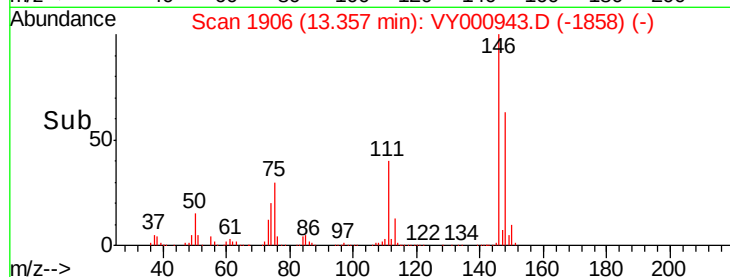
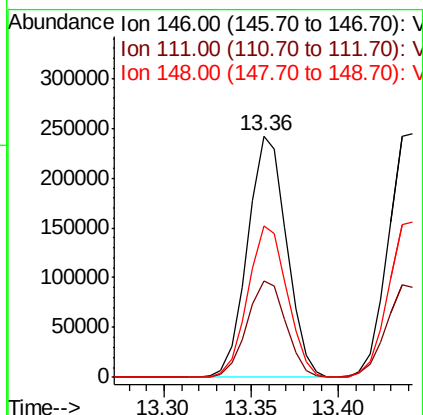
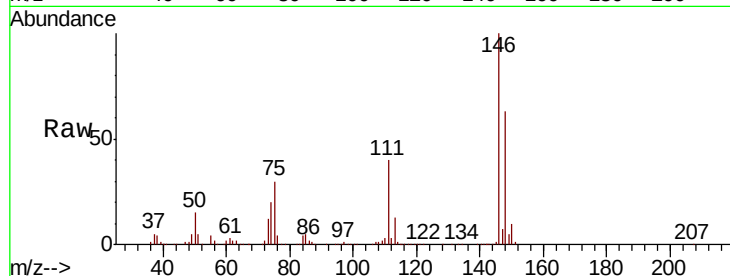
Acq: 13 Dec 2019 13:23

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	146	Resp:	375758
Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.9	51.7
148	62.6	43.5	80.7



#65

1,4-Dichlorobenzene

Concen: 25.748 ug/L

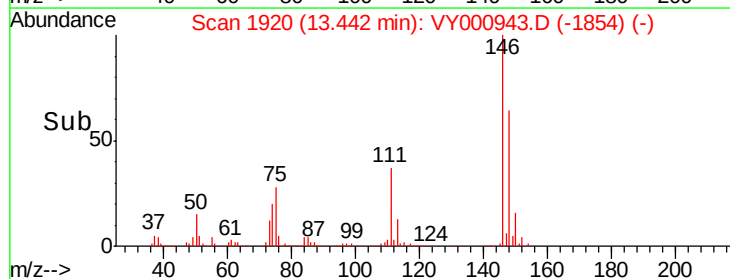
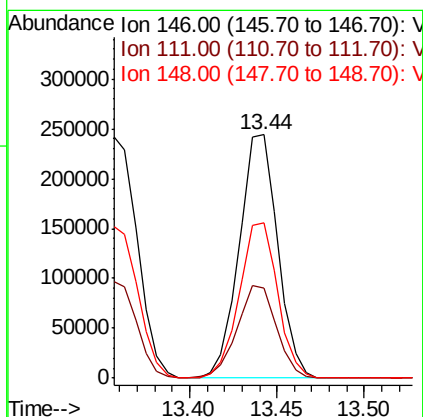
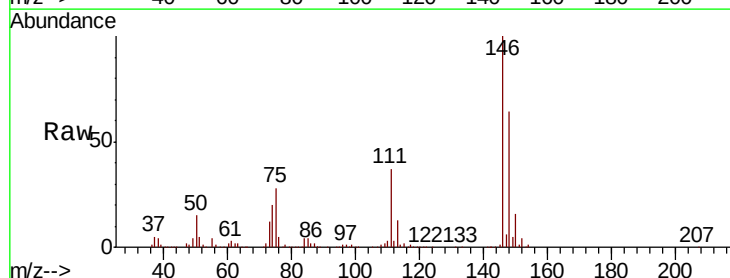
RT: 13.44 min Scan# 1920

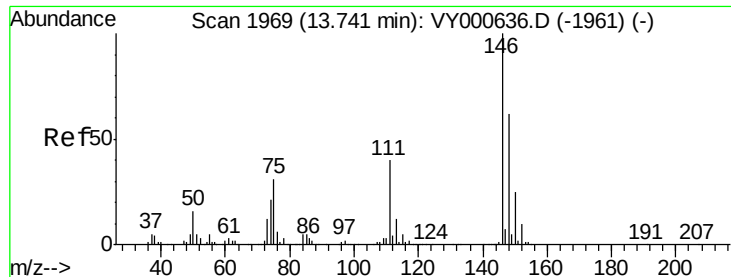
Delta R.T. -0.00 min

Lab File: VY000943.D

Acq: 13 Dec 2019 13:23

Tgt Ion:	146	Resp:	374323
Ion	Ratio	Lower	Upper
146	100		
111	37.0	27.4	50.8
148	64.0	44.4	82.5

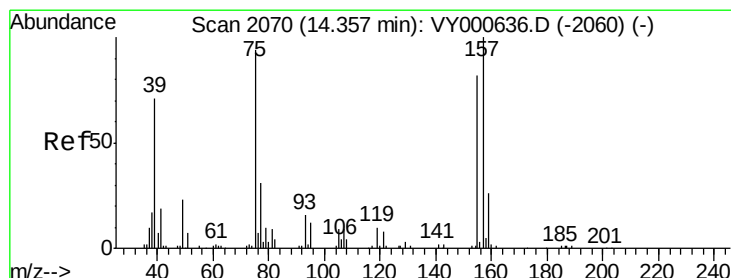
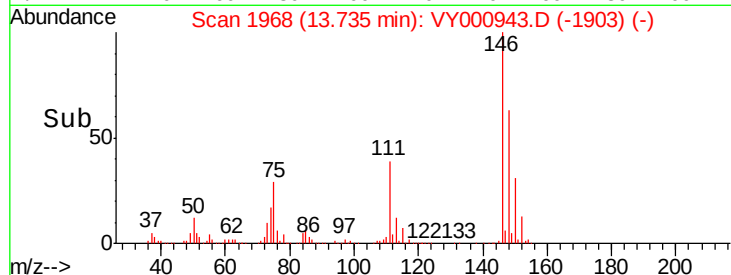
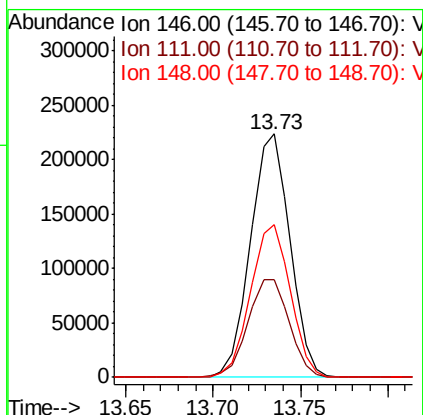
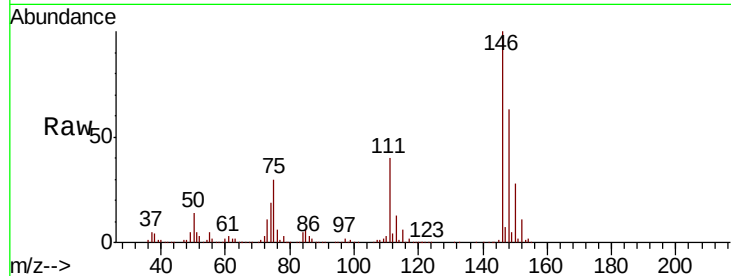




#67
 1,2-Dichlorobenzene
 Concen: 25.911 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

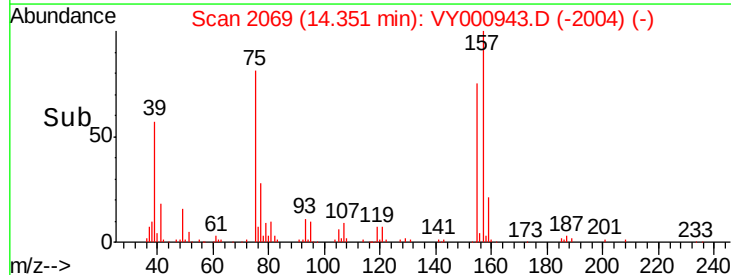
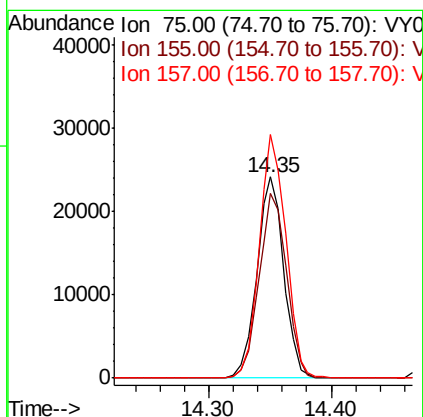
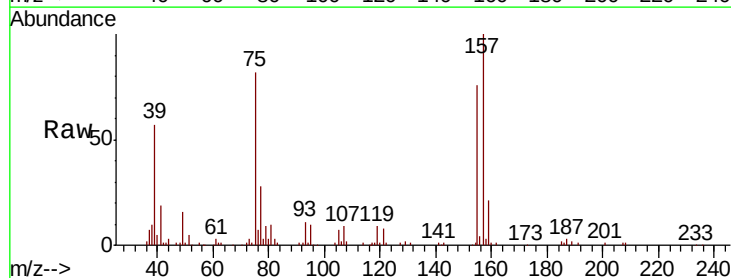
Instrument :
 MSVOA_Y
 ClientSampleId :

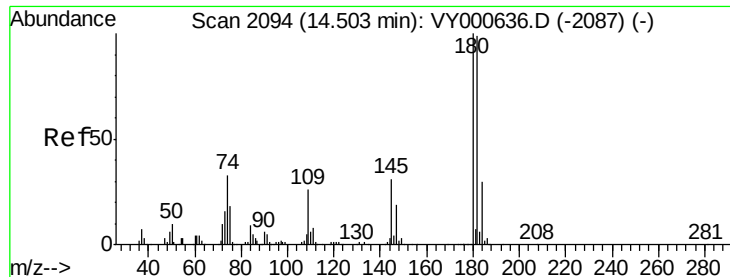
Tot Ion:146 Resp: 350628
 Ion Ratio Lower Upper
 146 100
 111 40.0 35.6 53.4
 148 62.9 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.748 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion: 75 Resp: 36723
 Ion Ratio Lower Upper
 75 100
 155 91.8 66.3 99.5
 157 121.2 86.4 129.6

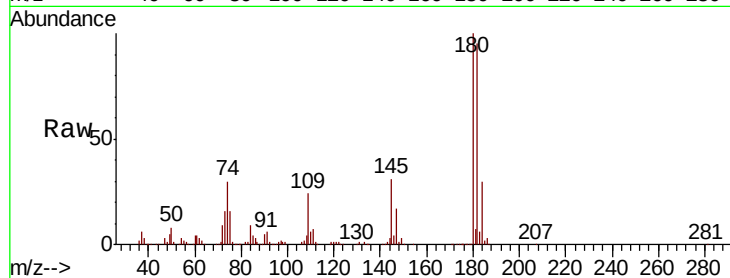




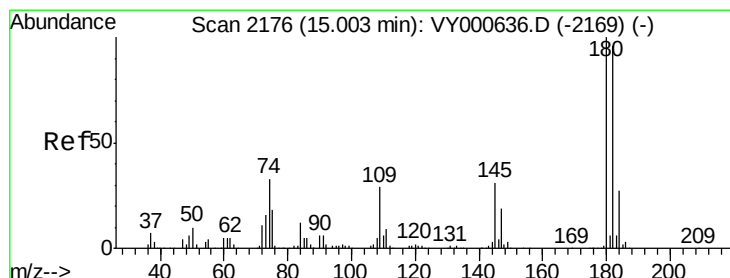
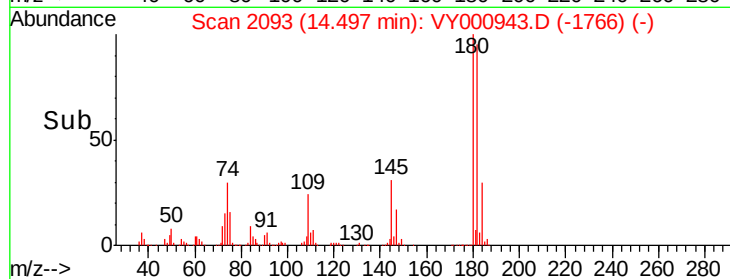
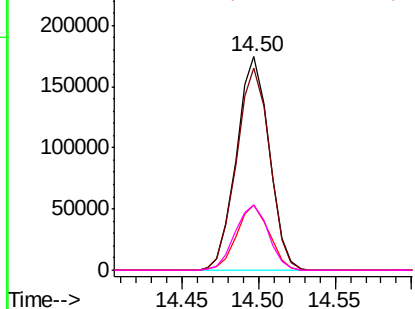
#69
 1,3,5-Trichlorobenzene
 Concen: 26.011 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	259410
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.1 114.1
184	30.3	24.5 36.7
145	31.0	24.0 36.0

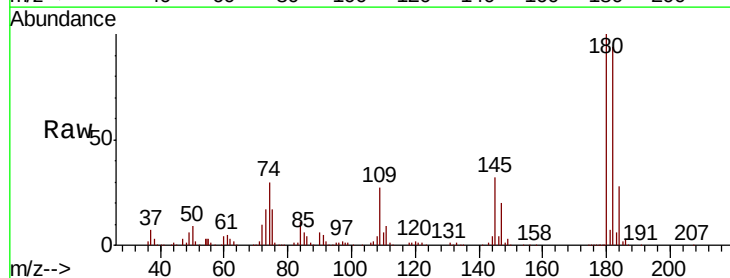


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

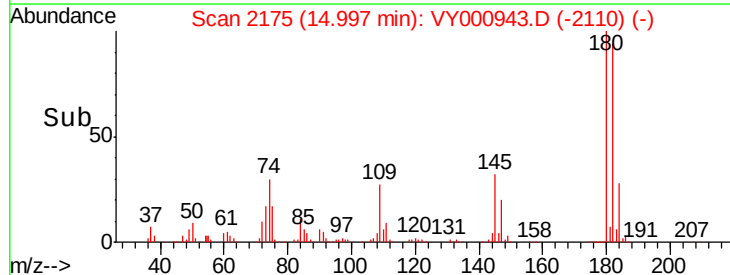
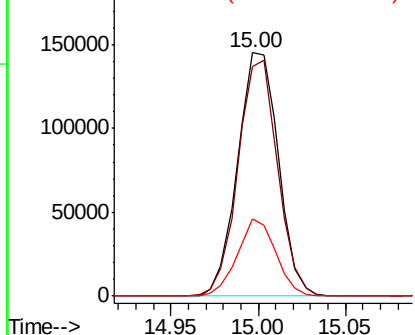


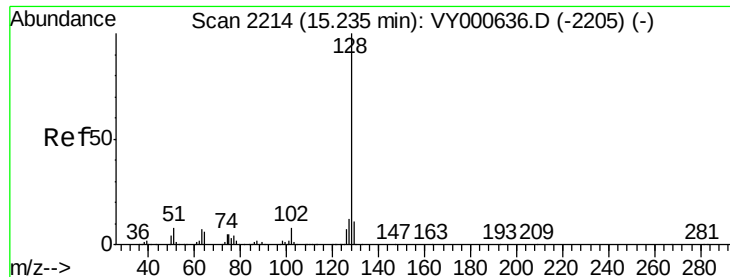
#70
 1,2,4-trichlorobenzene
 Concen: 26.024 ug/L
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY000943.D
 Acq: 13 Dec 2019 13:23

Tgt Ion:180	Resp:	236396
Ion Ratio	Lower	Upper
180	100	
182	94.2	74.6 112.0
145	30.1	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

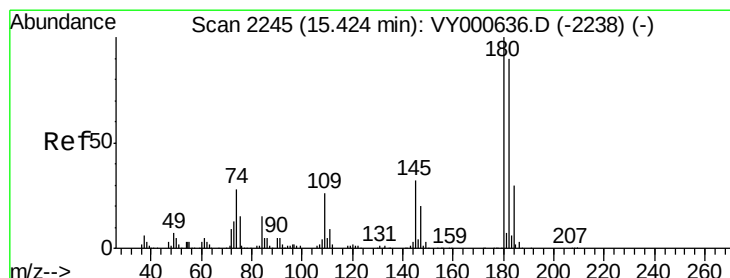
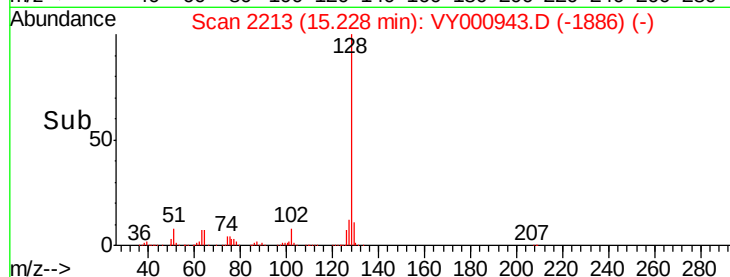
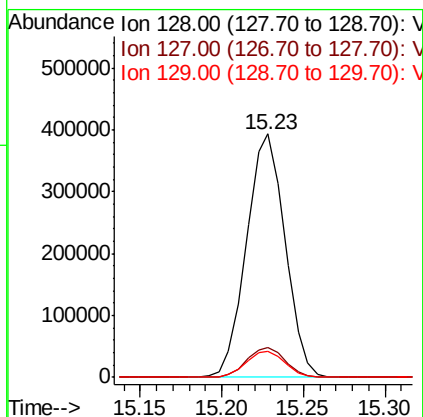
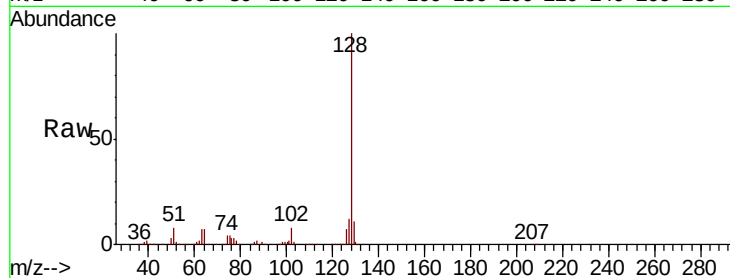




#71
Naphthalene
Concen: 27.301 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 647884
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 25.637 ug/L
RT: 15.41 min Scan# 2243
Delta R.T. -0.01 min
Lab File: VY000943.D
Acq: 13 Dec 2019 13:23

Tgt Ion:180 Resp: 215742
Ion Ratio Lower Upper
180 100
182 93.7 75.0 112.4
145 32.3 26.5 39.7

