

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000937.D
 Acq On : 13 Dec 2019 10:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 14 05:54:35 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	491951	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	445796	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	211326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	134661	17.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.88%
7) Chloroethane-d5	2.76	69	135353	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
11) 1,1-Dichloroethene-d2	3.85	63	300193	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.32%
21) 2-Butanone-d5	6.89	46	174956	53.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.34%
24) Chloroform-d	7.48	84	300803	23.46	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.14	65	166522	21.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.08%
32) Benzene-d6	8.11	84	631339	24.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	9.12	67	206800	26.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.28%
41) Toluene-d8	10.17	98	569941	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	10.44	79	93271	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.08%
47) 2-Hexanone-d5	10.78	63	143024	58.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.32%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	220840	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
66) 1,2-Dichlorobenzene-d4	13.72	152	198992	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	146696	21.455	ug/L	99
3) Chloromethane	2.12	50	187039	20.833	ug/L	97
5) Vinyl chloride	2.25	62	191031	22.788	ug/L	98
6) Bromomethane	2.65	94	82500	21.497	ug/L	91
8) Chloroethane	2.79	64	117834	22.777	ug/L	89
9) Trichlorofluoromethane	3.13	101	276649	23.388	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	174158	25.358	ug/L	97
12) 1,1-Dichloroethene	3.87	96	164628	25.193	ug/L	95
13) Acetone	3.95	43	98298	31.311	ug/L	97
14) Carbon disulfide	4.19	76	524244	25.298	ug/L	100
15) Methyl Acetate	4.48	43	150599	26.920	ug/L	96
16) Methylene chloride	4.71	84	198253	24.729	ug/L	98
17) trans-1,2-Dichloroethene	5.22	96	188101	25.903	ug/L	92
18) Methyl tert-butyl Ether	5.22	73	532112	25.714	ug/L	96
19) 1,1-Dichloroethane	6.02	63	335608	26.367	ug/L	94
20) cis-1,2-Dichloroethene	6.99	96	211769	26.048	ug/L	97
22) 2-Butanone	6.99	43	191635	39.841	ug/L	99

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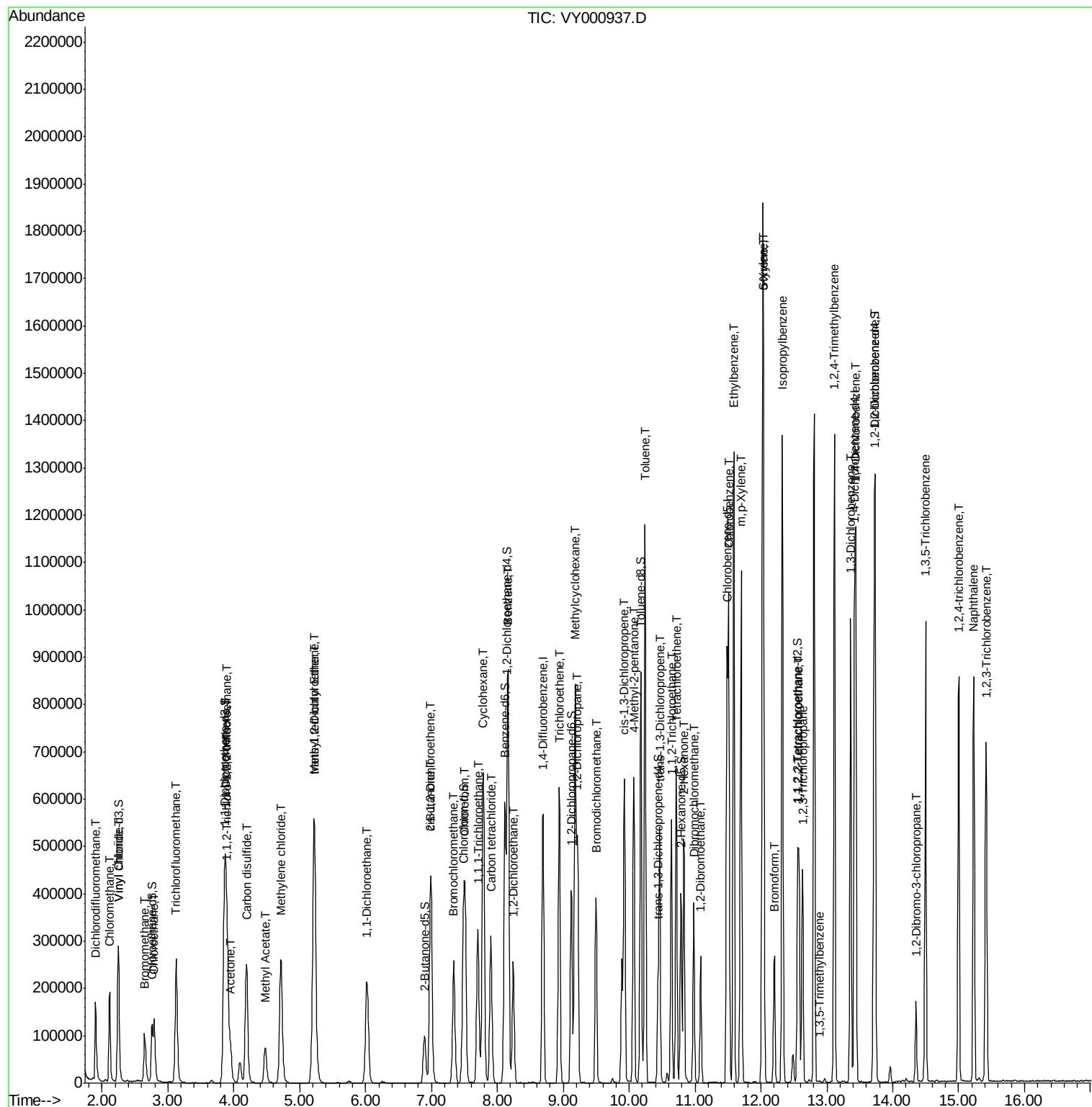
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	89751	24.557	ug/L	97
25) Chloroform	7.51	83	333581	25.375	ug/L	99
27) 1,2-Dichloroethane	8.24	62	220955	23.530	ug/L	98
29) Cyclohexane	7.78	56	335336	27.538	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	276563	25.718	ug/L	99
31) Carbon tetrachloride	7.90	117	238969	24.098	ug/L	99
33) Benzene	8.16	78	785507	26.829	ug/L	100
34) Trichloroethene	8.94	95	208120	26.935	ug/L	94
35) Methylcyclohexane	9.18	83	356192	26.838	ug/L	98
37) 1,2-Dichloropropane	9.22	63	207878	27.830	ug/L	99
38) Bromodichloromethane	9.50	83	252470	26.566	ug/L	99
39) cis-1,3-Dichloropropene	9.92	75	333907	27.897	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	427385	51.922	ug/L	96
42) Toluene	10.24	91	839771	26.858	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	280265	26.496	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	172780	27.248	ug/L	94
46) Tetrachloroethene	10.72	164	145694	24.701	ug/L	98
48) 2-Hexanone	10.83	43	311228	48.367	ug/L	95
49) Dibromochloromethane	10.98	129	186045	26.038	ug/L	100
50) 1,2-Dibromoethane	11.08	107	170870	26.644	ug/L #	100
51) Chlorobenzene	11.51	112	522092	26.142	ug/L	97
52) Ethylbenzene	11.59	91	939076	26.328	ug/L	100
53) m,p-Xylene	11.70	106	359008	26.266	ug/L	97
54) o-Xylene	12.02	106	342926	25.833	ug/L	97
55) Styrene	12.04	104	599581	26.709	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	222631	25.901	ug/L	98
59) Bromoform	12.20	173	117439	26.209	ug/L	99
60) Isopropylbenzene	12.33	105	904347	26.883	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	183059	27.363	ug/L	98
62) 1,3,5-Trimethylbenzene	12.88	105	166	0.006	ug/L	96
63) 1,2,4-Trimethylbenzene	13.11	105	730435	26.870	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	390858	25.920	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	388584	25.611	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	370293	26.219	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	40605	26.220	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	278573	26.764	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	246139	25.963	ug/L	98
71) Naphthalene	15.23	128	673733	27.203	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	229002	26.074	ug/L	98

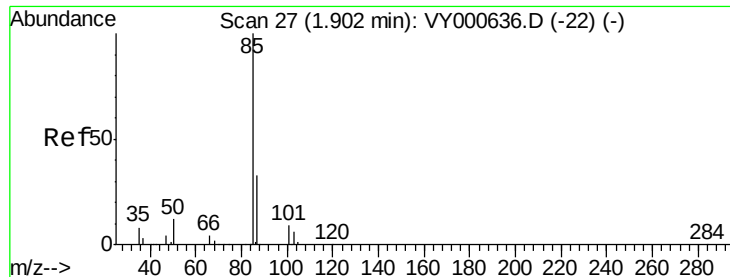
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.455 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

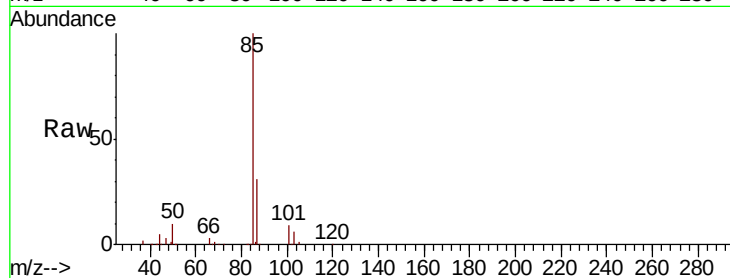
ClientSampled :

Tot Ion: 85 Resp: 146696

Ion Ratio Lower Upper

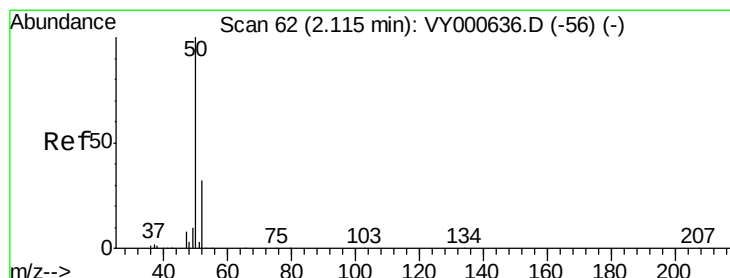
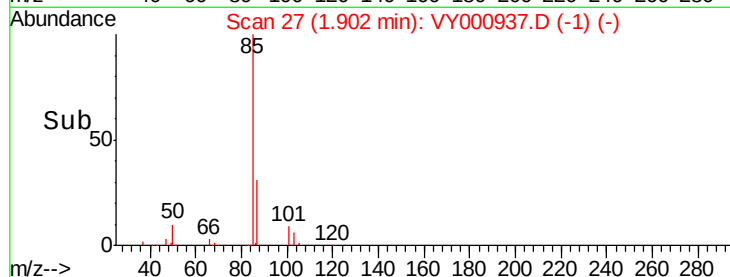
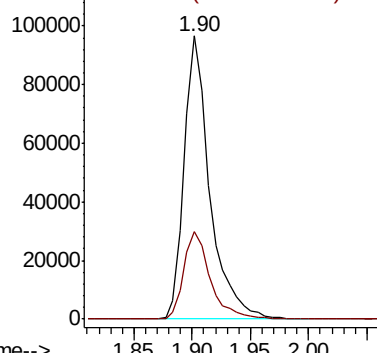
85 100

87 32.2 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: 20.833 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000937.D

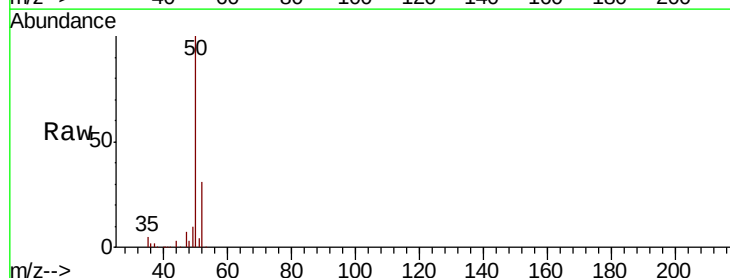
Acq: 13 Dec 2019 10:14

Tgt Ion: 50 Resp: 187039

Ion Ratio Lower Upper

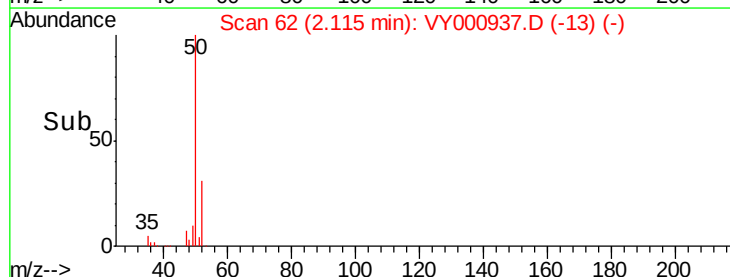
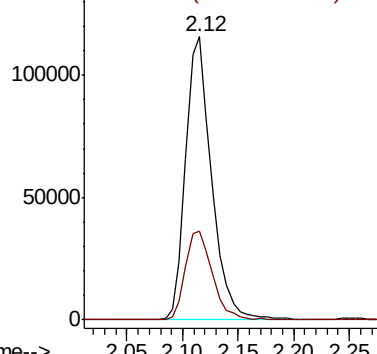
50 100

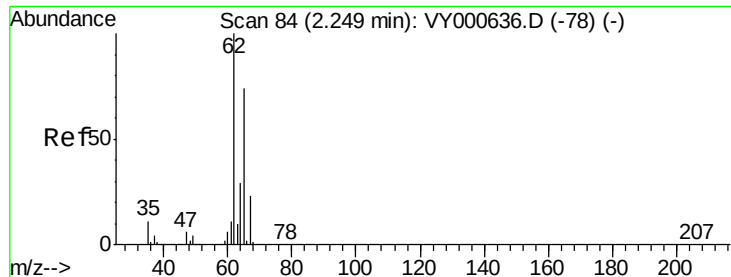
52 31.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 22.788 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

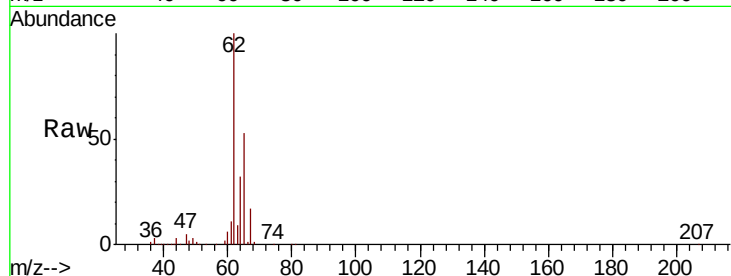
ClientSampleId :

Tot Ion: 62 Resp: 191031

Ion Ratio Lower Upper

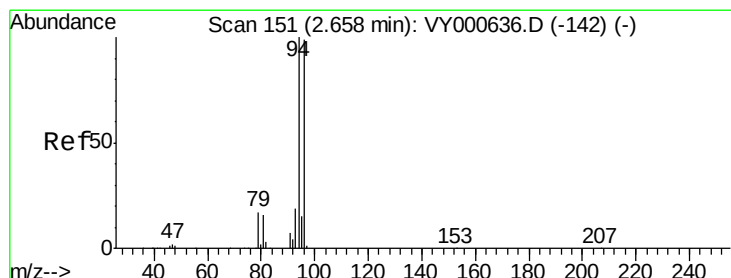
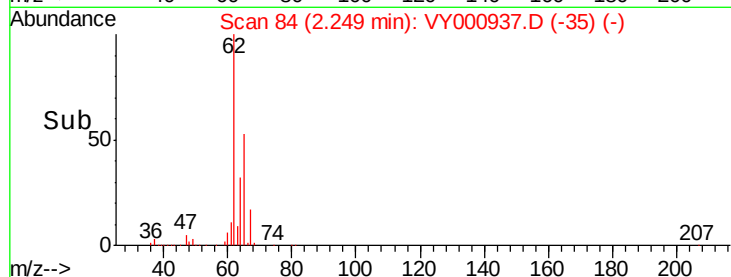
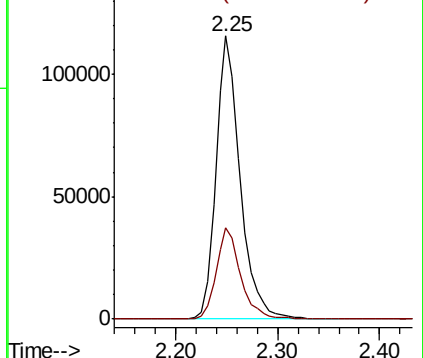
62 100

64 32.5 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: 21.497 ug/L

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY000937.D

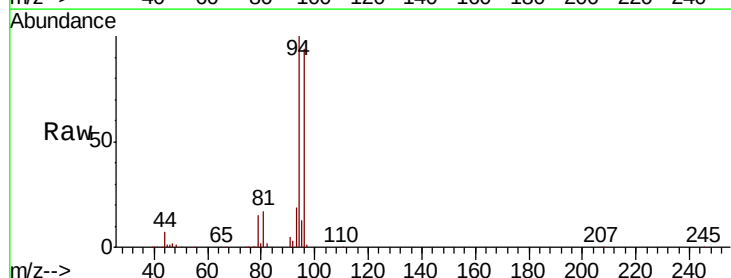
Acq: 13 Dec 2019 10:14

Tgt Ion: 94 Resp: 82500

Ion Ratio Lower Upper

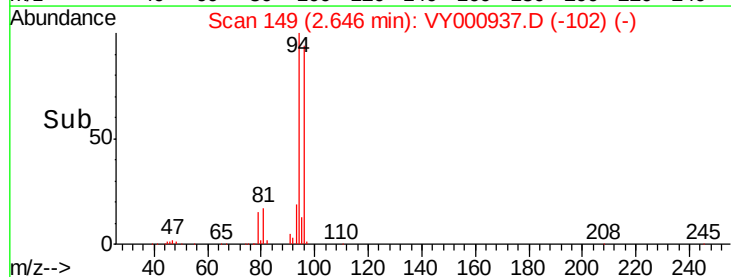
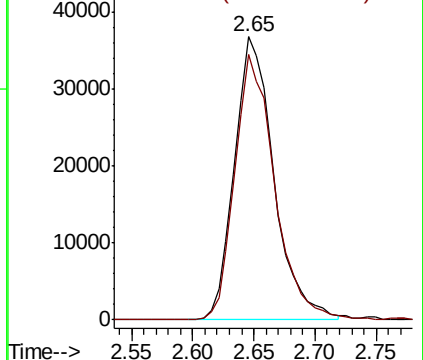
94 100

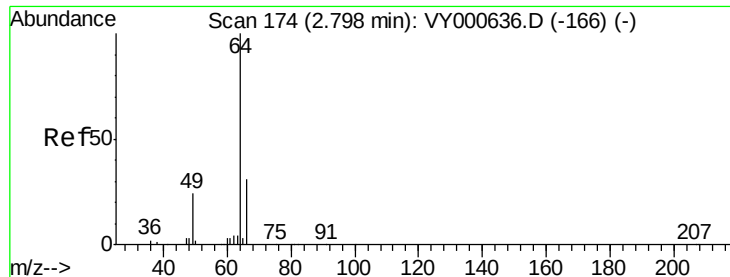
96 94.0 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 22.777 ug/L

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

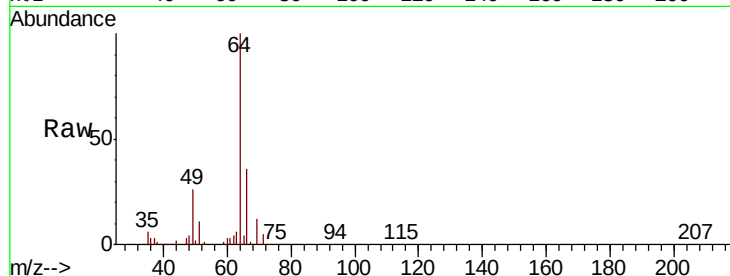
ClientSampleId :

Tot Ion: 64 Resp: 117834

Ion Ratio Lower Upper

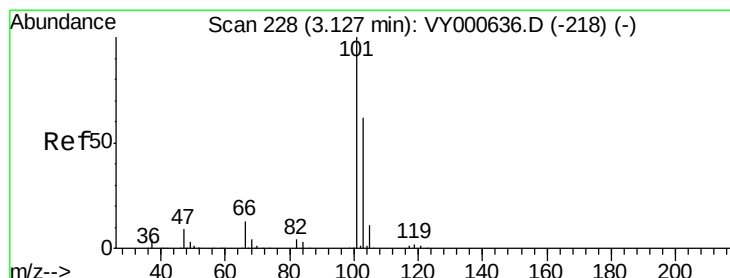
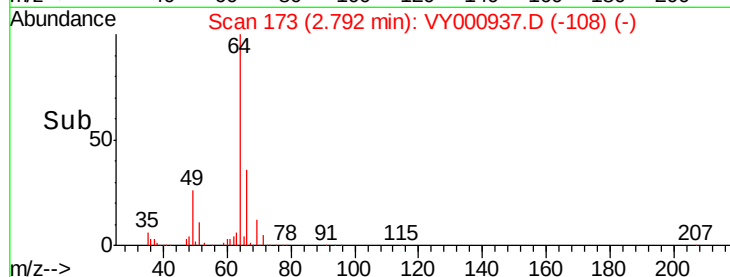
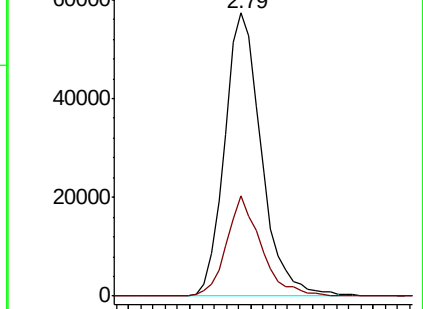
64 100

66 35.6 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY000937.D (-166) (-)

Ion 66.00 (65.70 to 66.70): VY000937.D (-166) (-)



#9

Trichlorofluoromethane

Concen: 23.388 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000937.D

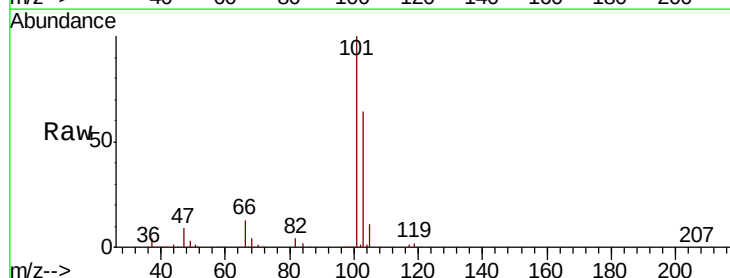
Acq: 13 Dec 2019 10:14

Tgt Ion:101 Resp: 276649

Ion Ratio Lower Upper

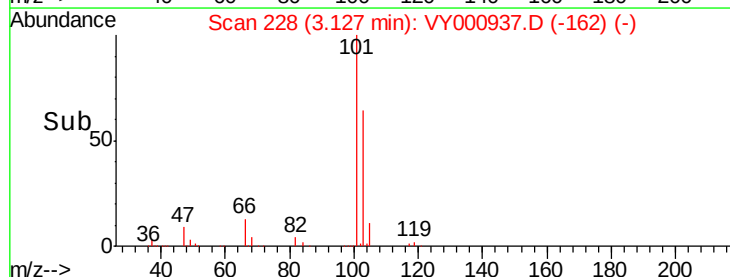
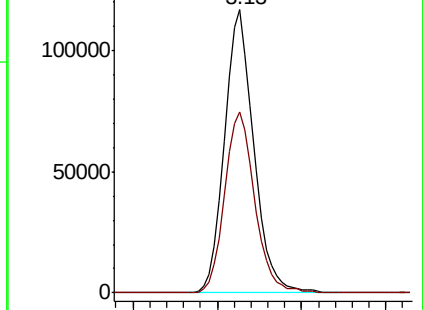
101 100

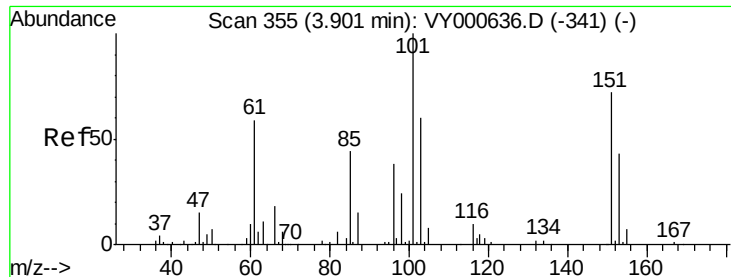
103 65.7 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VY000937.D (-218) (-)

Ion 103.00 (102.70 to 103.70): VY000937.D (-218) (-)





#10

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

Concen: 25.358 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :
MSVOA_Y
ClientSampleId :

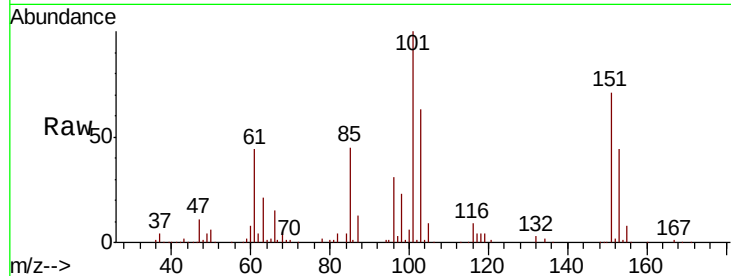
Tot Ion:101 Resp: 174158

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.8

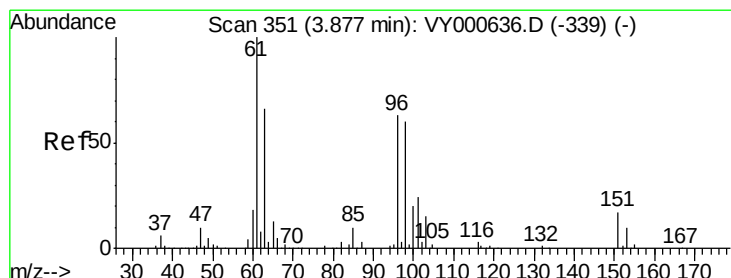
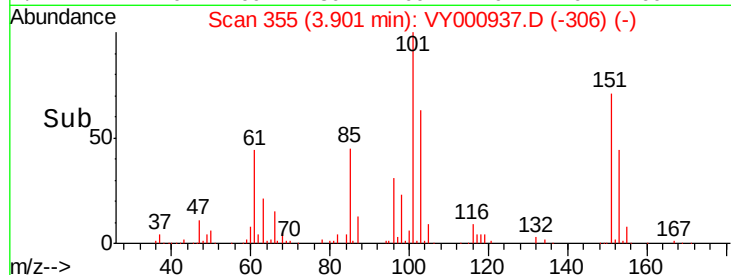
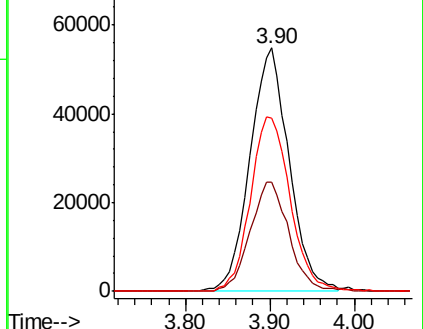
151 72.9 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000937.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VY000937.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VY000937.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 25.193 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

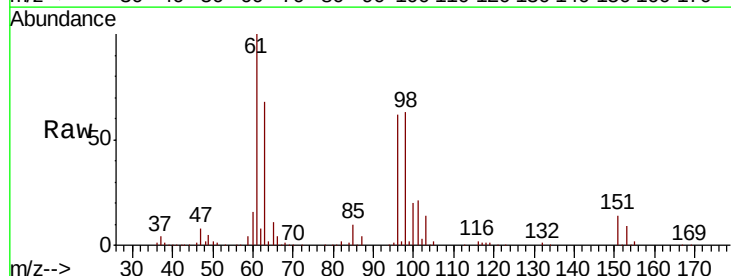
Tgt Ion: 96 Resp: 164628

Ion Ratio Lower Upper

96 100

61 160.3 118.6 220.2

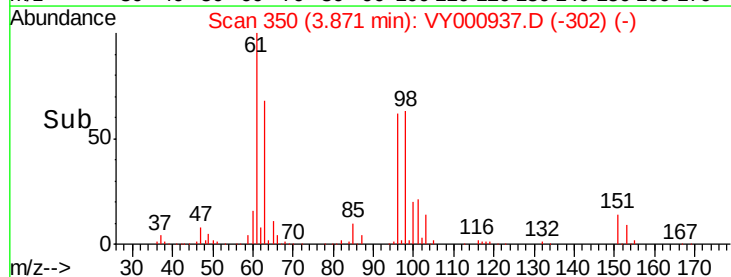
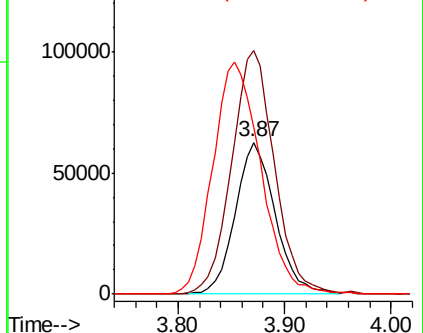
63 109.7 77.8 144.6

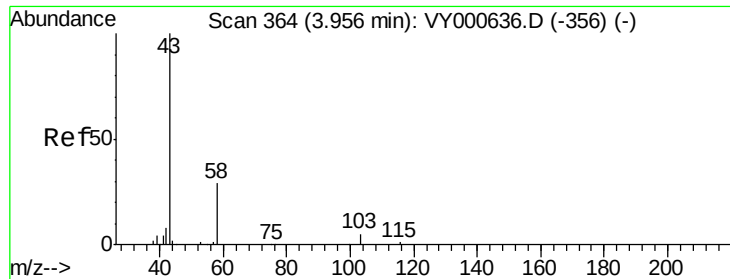


Abundance Ion 96.00 (95.70 to 96.70): VY000937.D (-302) (-)

Ion 61.00 (60.70 to 61.70): VY000937.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY000937.D (-302) (-)

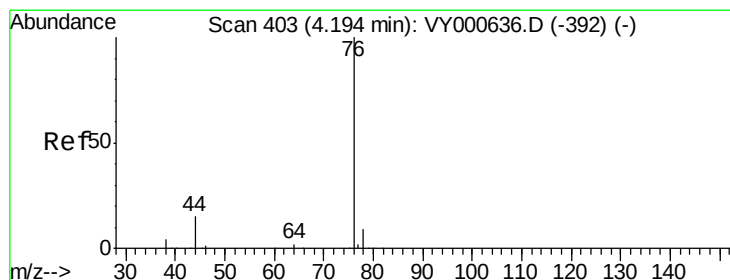
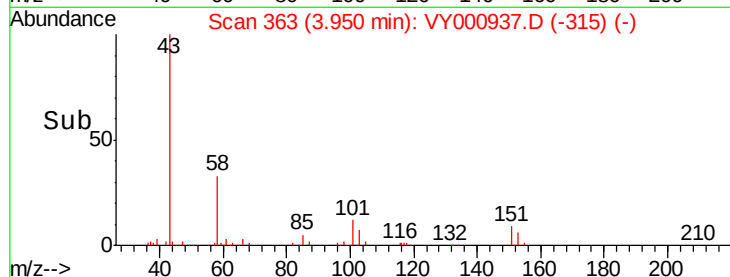
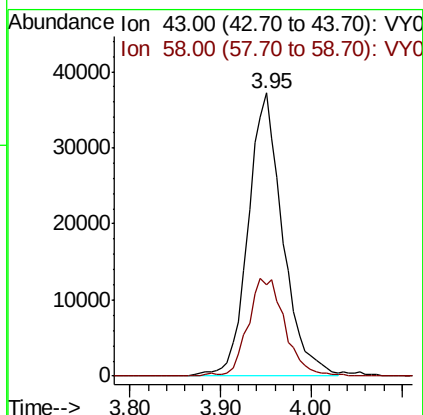
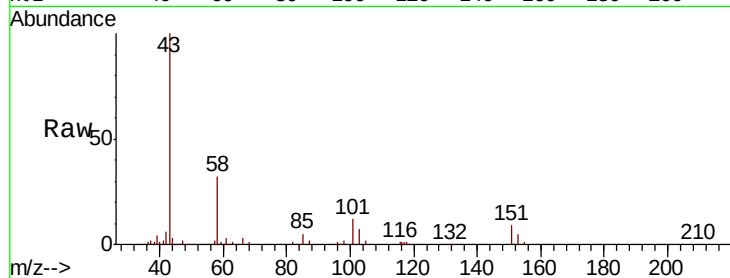




#13
Acetone
Concen: 31.311 ug/L
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

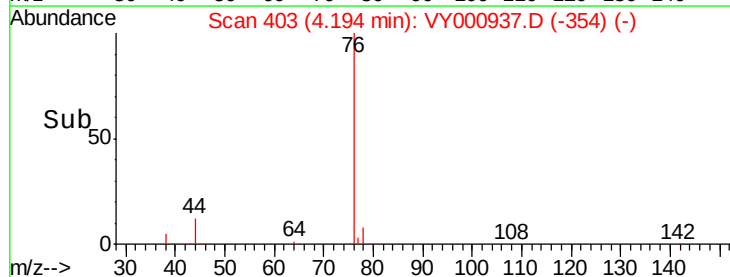
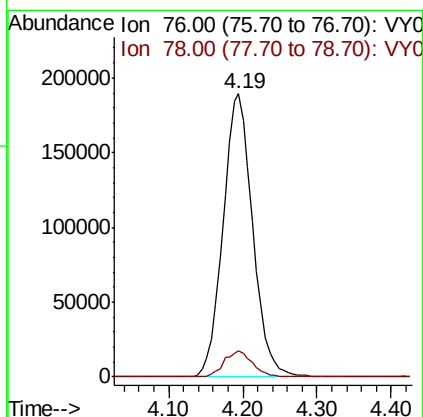
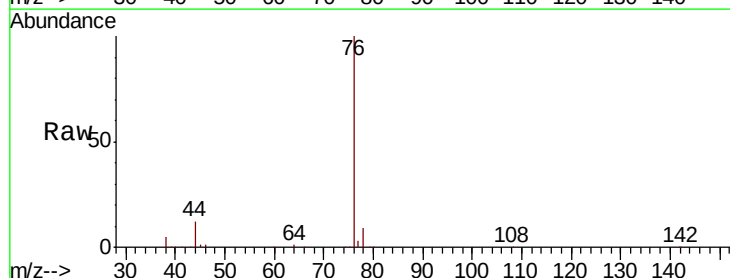
Instrument :
MSVOA_Y
ClientSampleId :

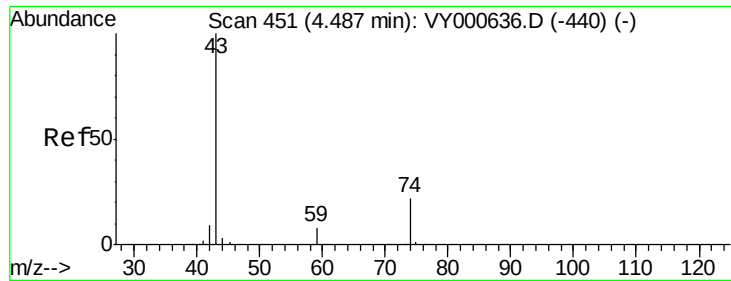
Tot Ion: 43 Resp: 98298
Ion Ratio Lower Upper
43 100
58 36.5 0.0 69.6



#14
Carbon disulfide
Concen: 25.298 ug/L
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion: 76 Resp: 524244
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





#15

Methvl Acetate

Concen: 26.920 ug/L

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

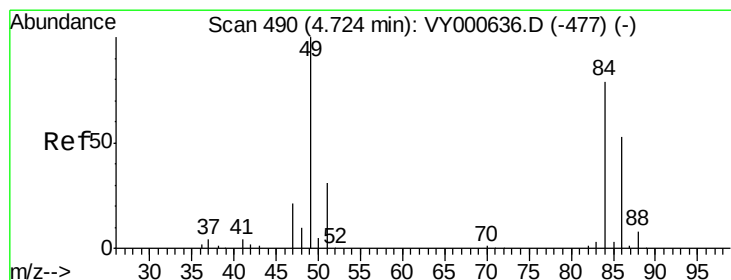
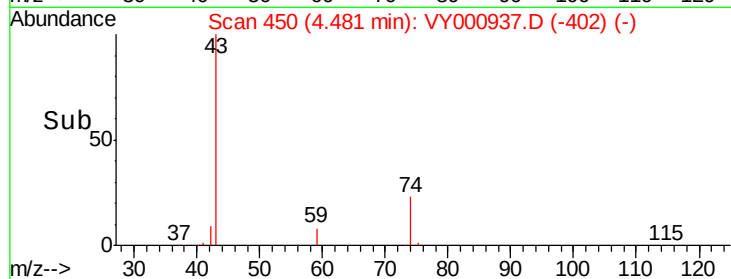
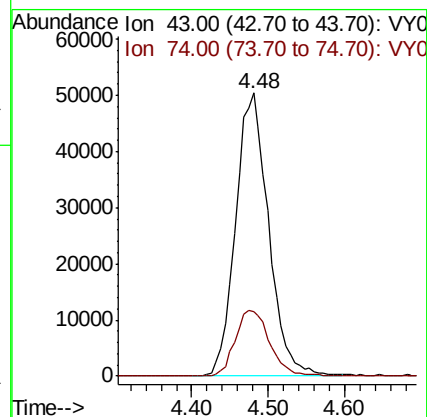
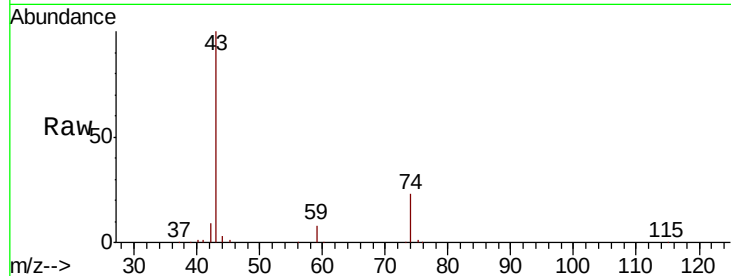
ClientSampleId :

Tot Ion: 43 Resp: 150599

Ion Ratio Lower Upper

43 100

74 24.3 17.9 26.9



#16

Methylene chloride

Concen: 24.729 ug/L

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

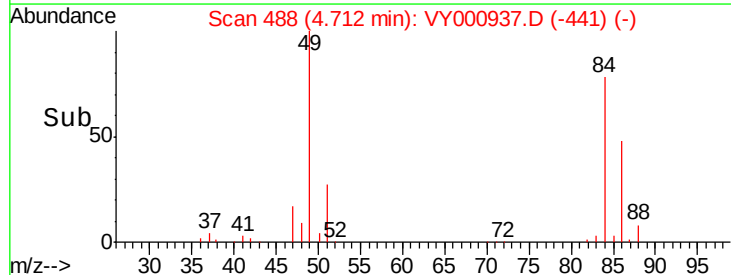
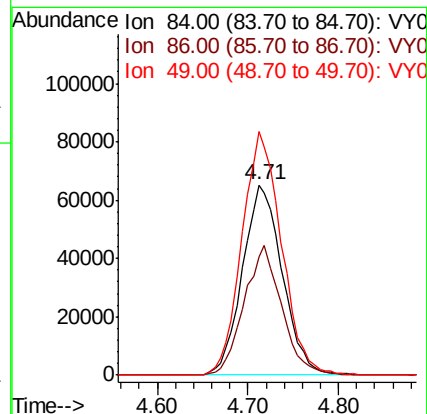
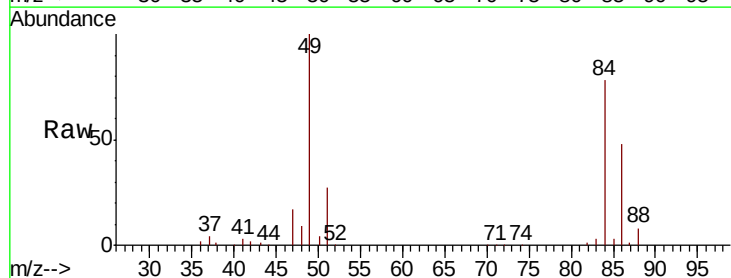
Tgt Ion: 84 Resp: 198253

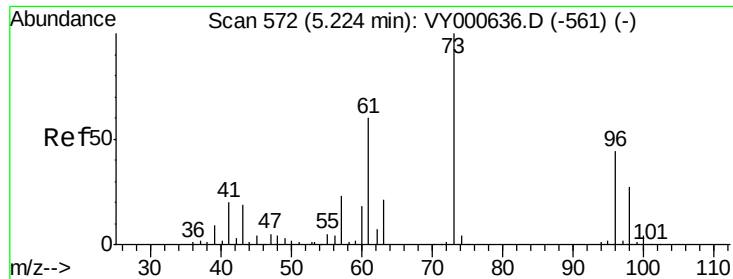
Ion Ratio Lower Upper

84 100

86 61.8 43.4 80.6

49 127.9 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 25.903 ug/L

RT: 5.22 min Scan# 571

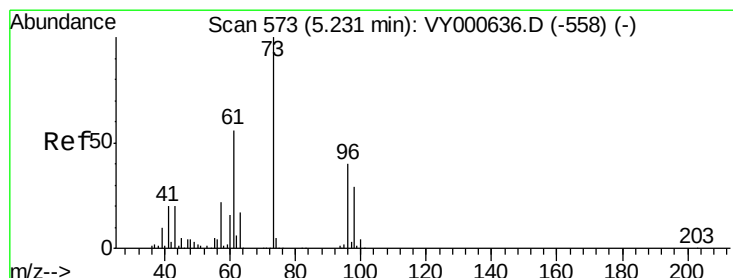
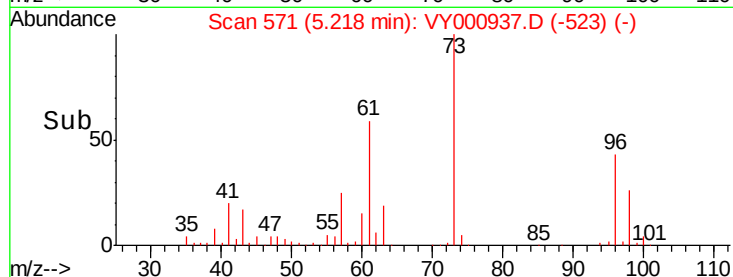
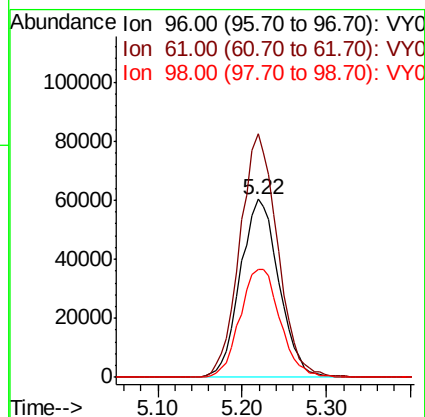
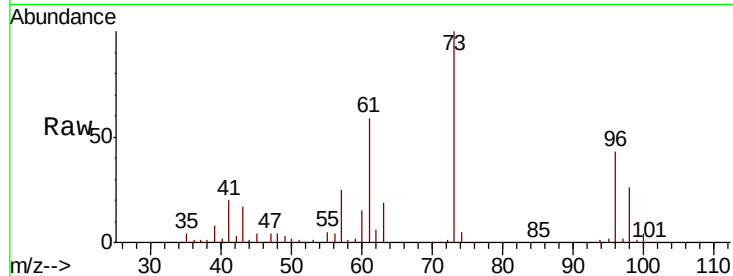
Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	96	Resp:	188101
Ion	Ratio	Lower	Upper
96	100		
61	136.6	86.9	161.5
98	60.4	42.6	79.0



#18

Methyl tert-butyl Ether

Concen: 25.714 ug/L

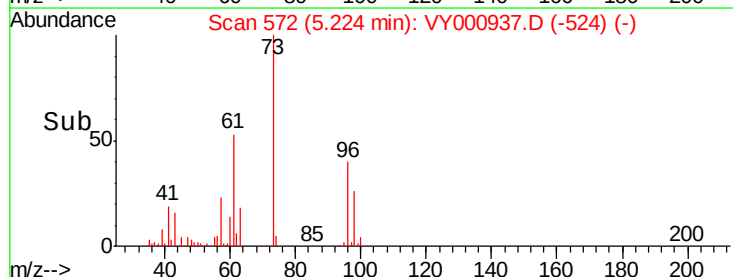
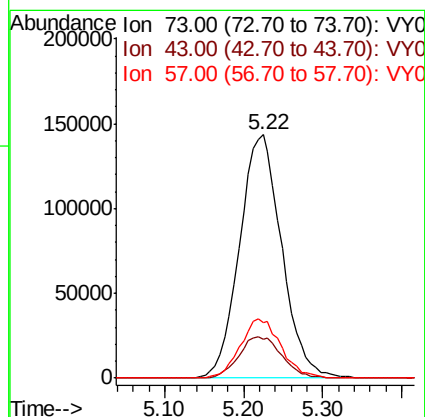
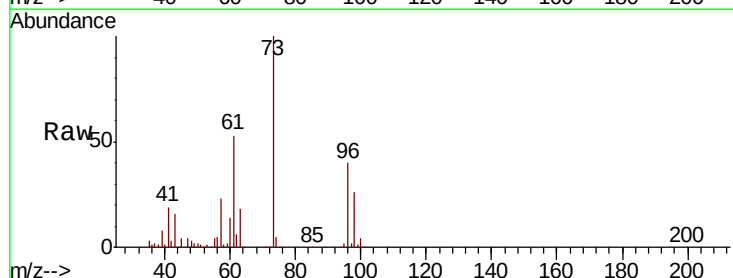
RT: 5.22 min Scan# 572

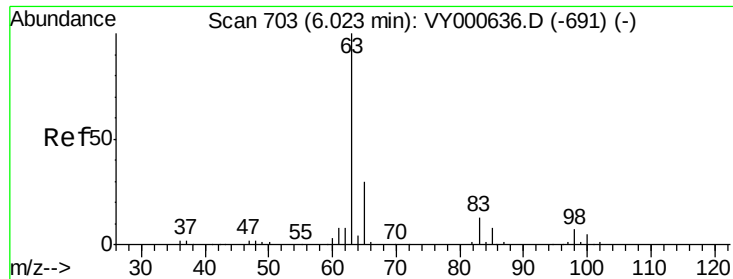
Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Tgt Ion:	73	Resp:	532112
Ion	Ratio	Lower	Upper
73	100		
43	17.4	15.7	23.5
57	23.5	17.6	26.4

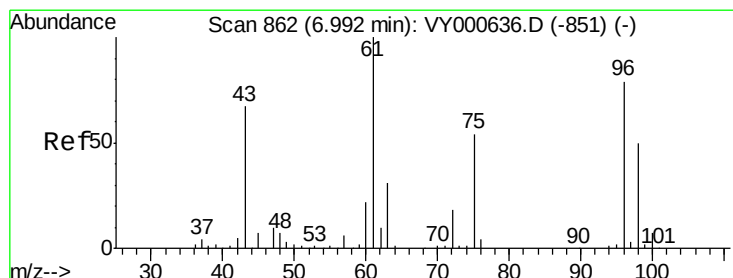
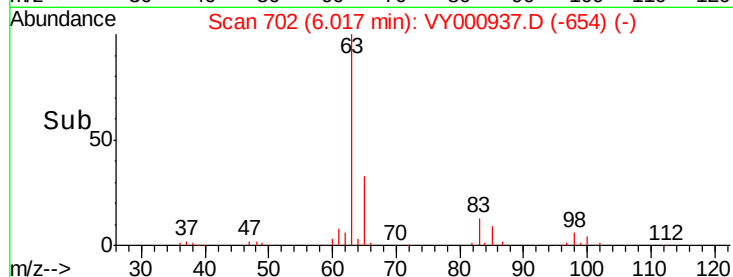
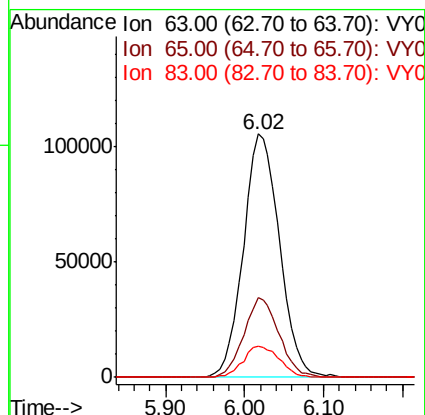
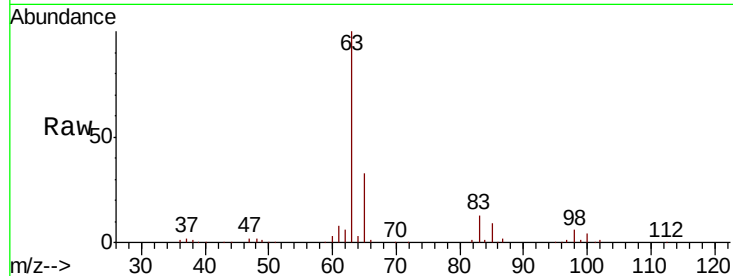




#19
 1,1-Dichloroethane
 Concen: 26.367 ug/L
 RT: 6.02 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

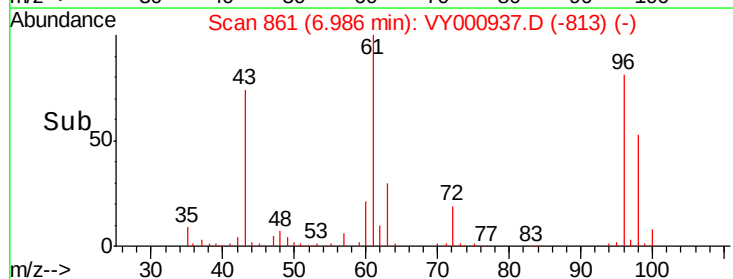
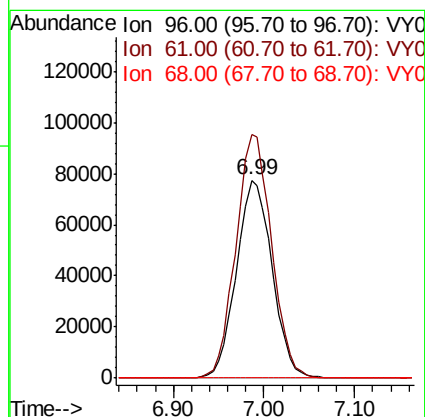
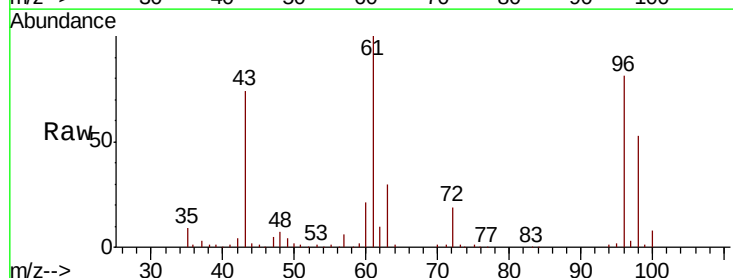
Instrument :
 MSVOA_Y
 ClientSampled :

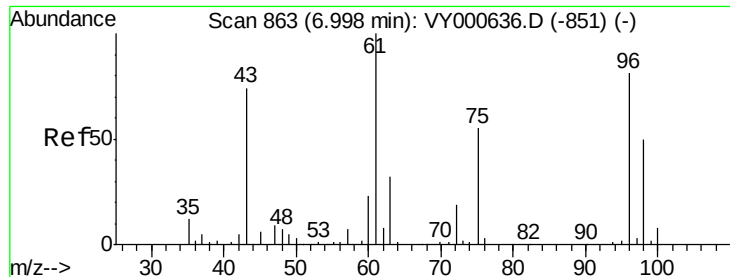
Tot Ion: 63 Resp: 335608
 Ion Ratio Lower Upper
 63 100
 65 32.8 20.2 37.4
 83 12.7 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 26.048 ug/L
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion: 96 Resp: 211769
 Ion Ratio Lower Upper
 96 100
 61 122.9 83.7 155.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 39.841 ug/L

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

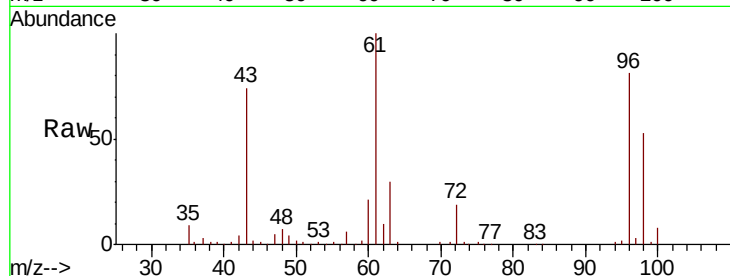
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 191635

Ion Ratio Lower Upper

43 100

72 26.8 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY000937.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VY000937.D (-814) (-)

6.99

80000

60000

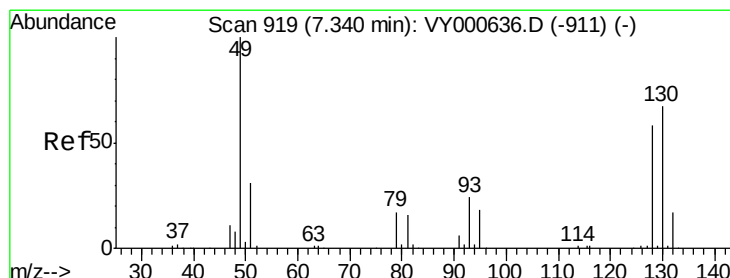
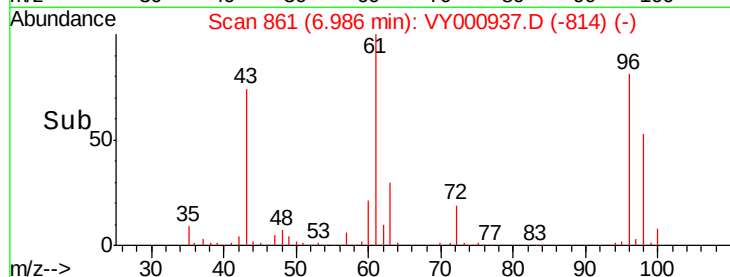
40000

20000

0

6.90 6.95 7.00 7.05 7.10

Time-->



#23

Bromochloromethane

Concen: 24.557 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Tgt Ion:128 Resp: 89751

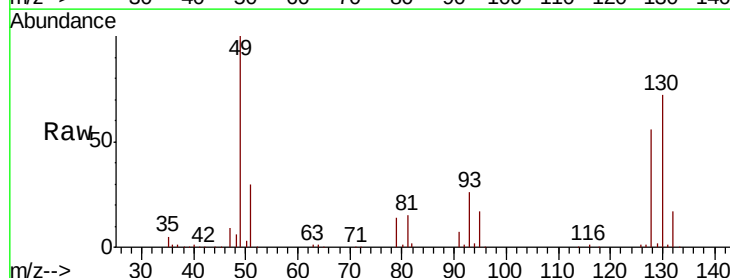
Ion Ratio Lower Upper

128 100

49 178.4 119.8 222.4

130 128.4 89.8 166.8

51 53.5 40.8 61.2



Abundance Ion 128.00 (127.70 to 128.70): VY000937.D (-870) (-)

Ion 49.00 (48.70 to 49.70): VY000937.D (-870) (-)

Ion 130.00 (129.70 to 130.70): VY000937.D (-870) (-)

Ion 51.00 (50.70 to 51.70): VY000937.D (-870) (-)

100000

80000

60000

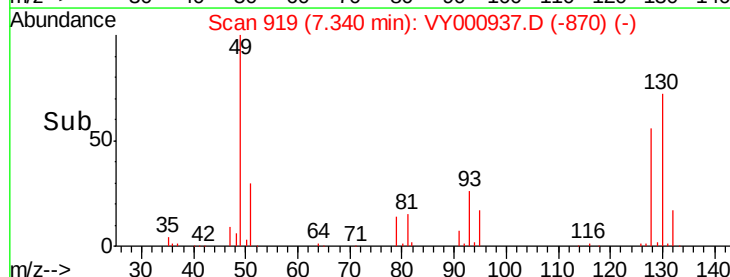
40000

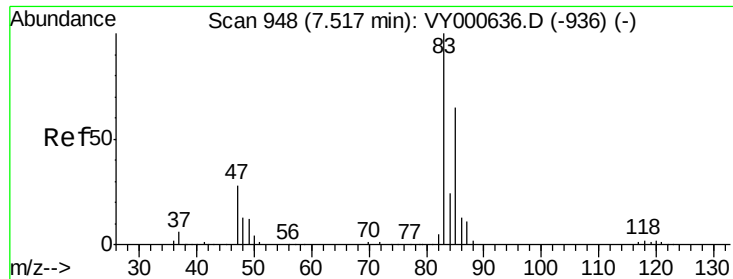
20000

0

7.25 7.30 7.35 7.40 7.45

Time-->

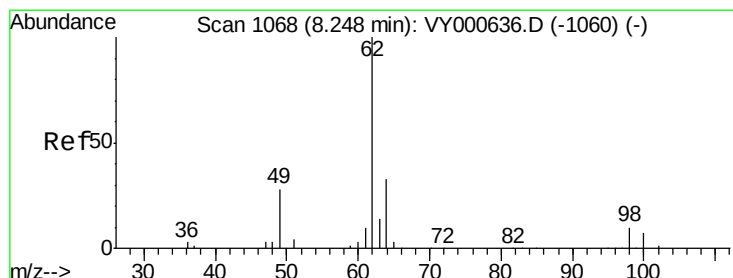
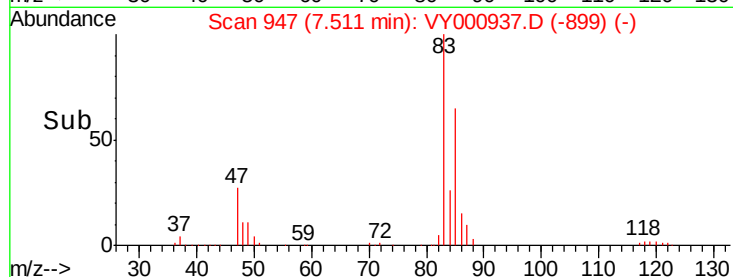
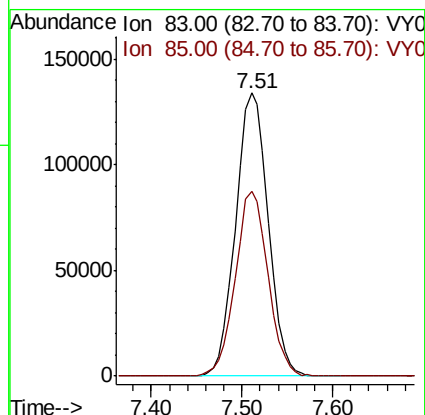
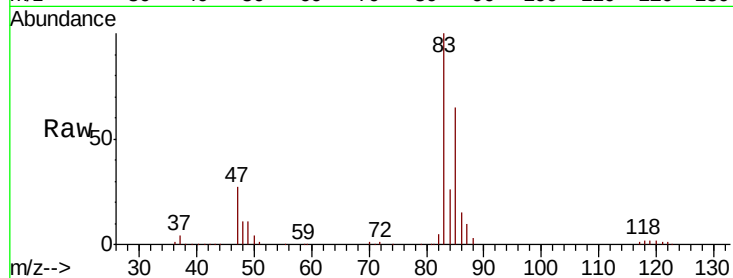




#25
Chloroform
Concen: 25.375 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

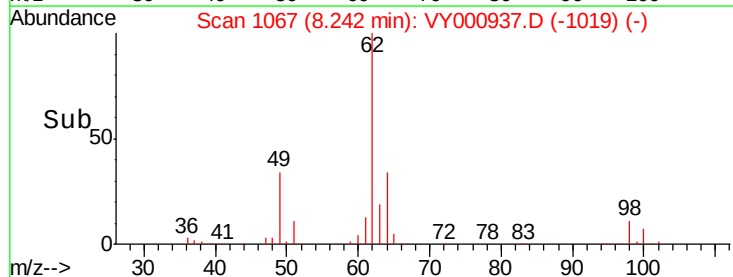
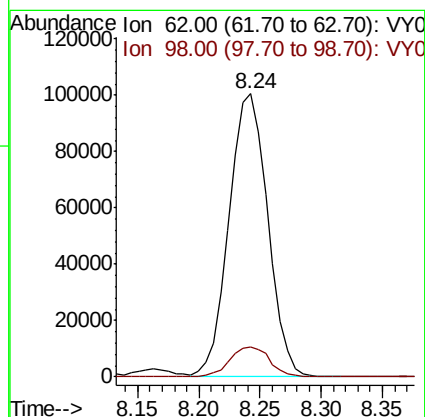
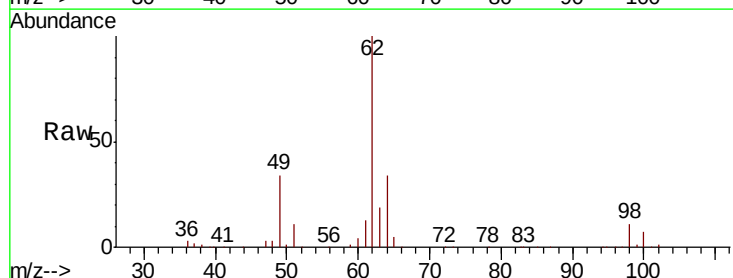
Instrument :
MSVOA_Y
ClientSampled :

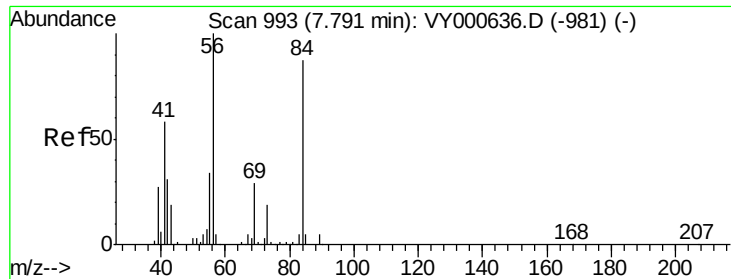
Tot Ion: 83 Resp: 333581
Ion Ratio Lower Upper
83 100
85 65.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.530 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion: 62 Resp: 220955
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.8

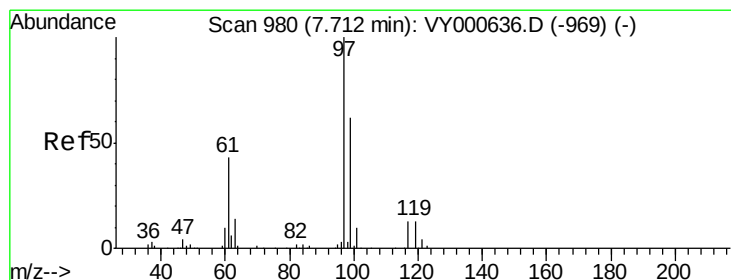
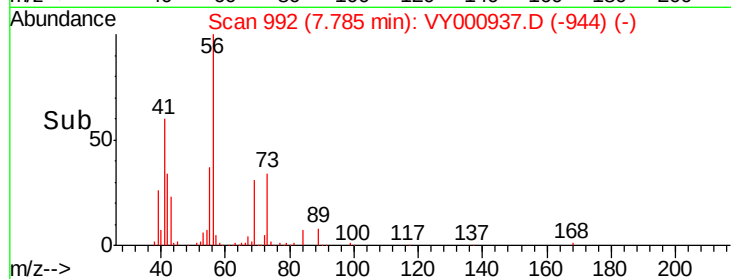
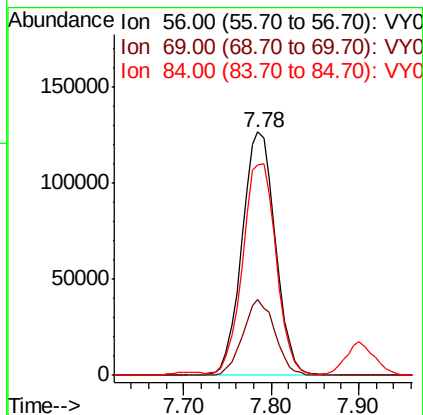
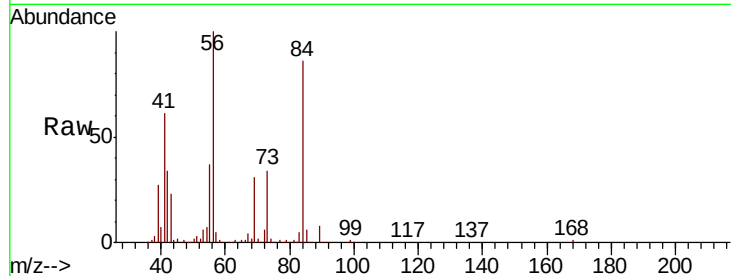




#29
Cyclohexane
Concen: 27.538 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

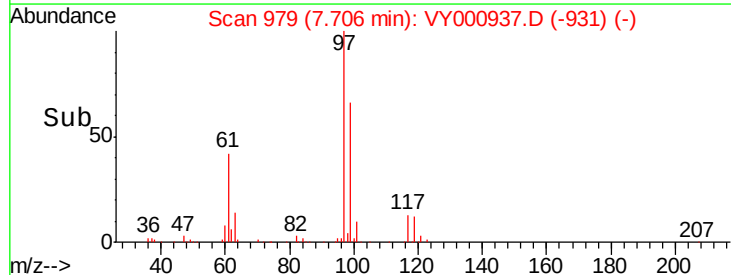
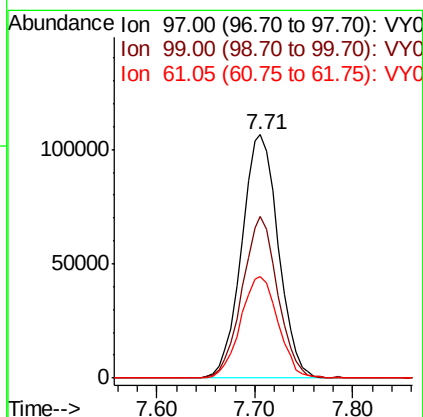
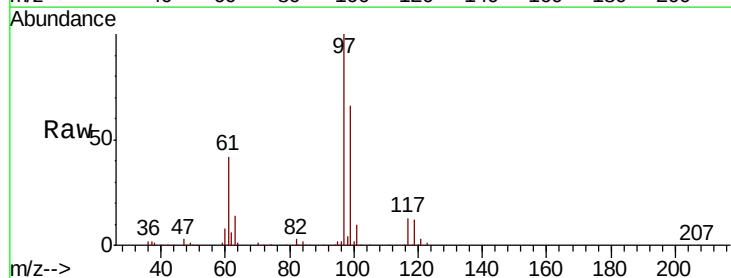
Instrument :
MSVOA_Y
ClientSampleId :

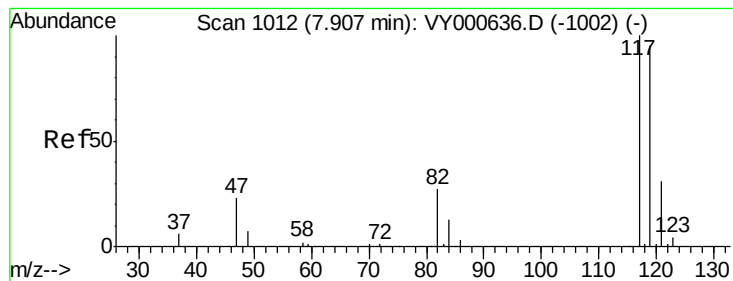
Tot Ion: 56 Resp: 335336
Ion Ratio Lower Upper
56 100
69 30.0 23.4 35.2
84 87.6 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 25.718 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion: 97 Resp: 276563
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 42.8 35.4 53.0





#31

Carbon tetrachloride

Concen: 24.098 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

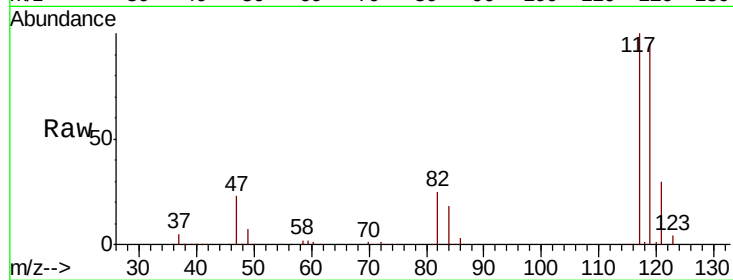
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 238969

Ion Ratio Lower Upper

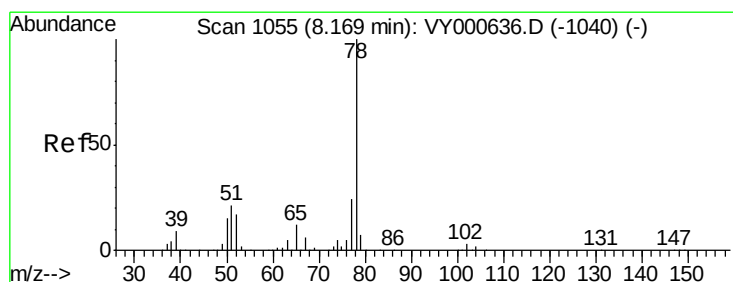
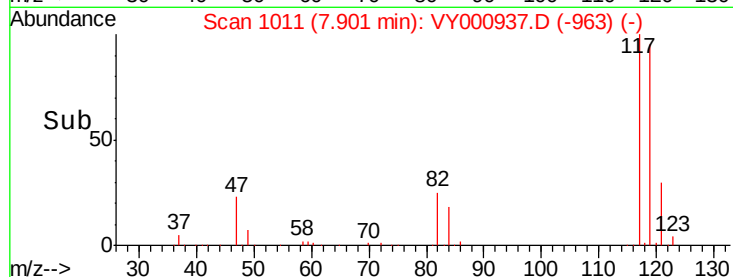
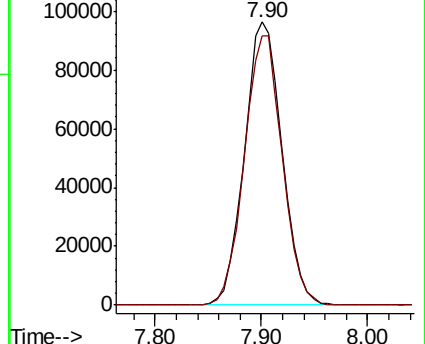
117 100

119 95.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.829 ug/L

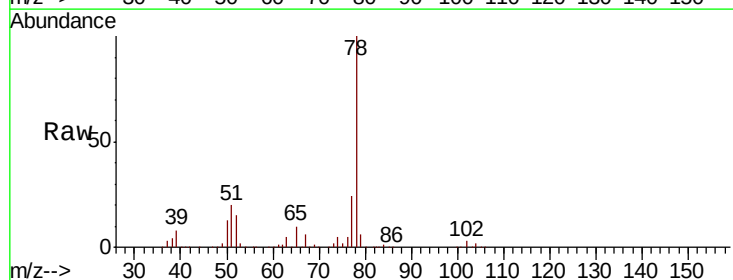
RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

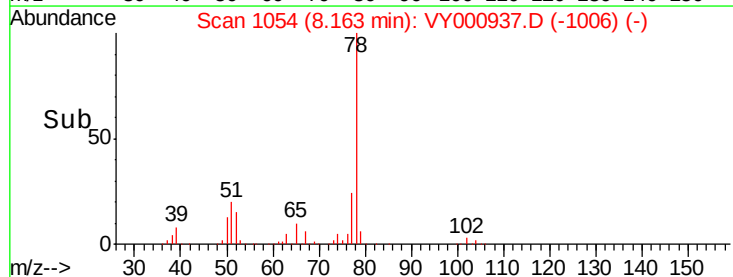
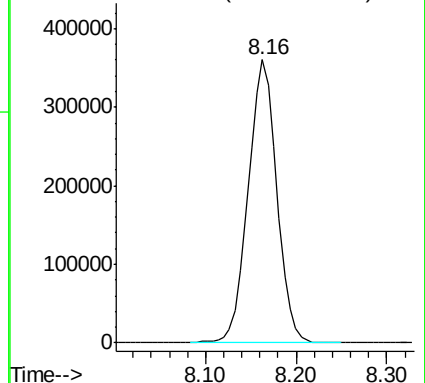
Lab File: VY000937.D

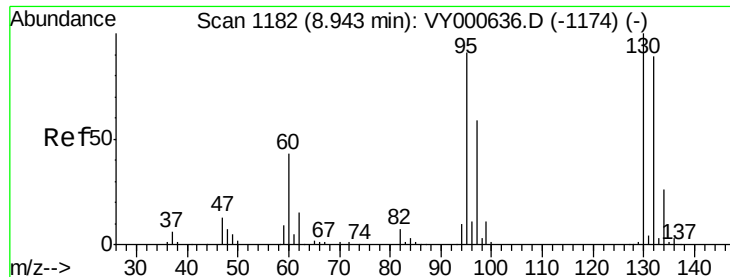
Acq: 13 Dec 2019 10:14

Tgt Ion: 78 Resp: 785507



Abundance Ion 78.00 (77.70 to 78.70): VY0

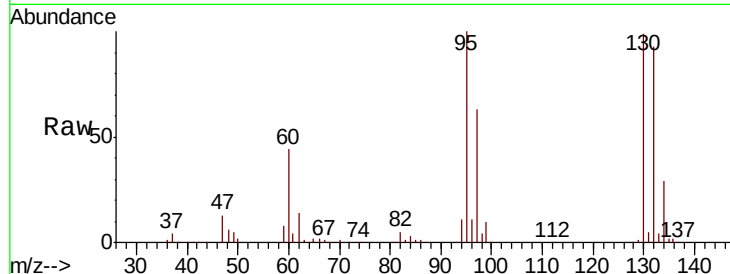




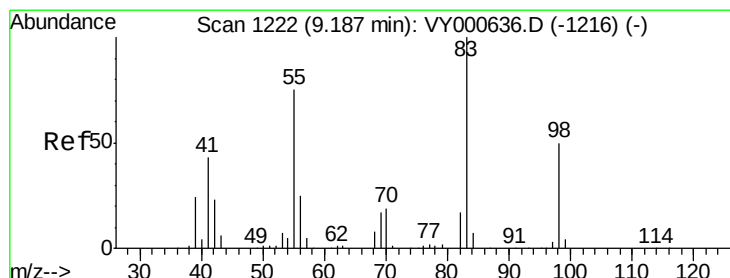
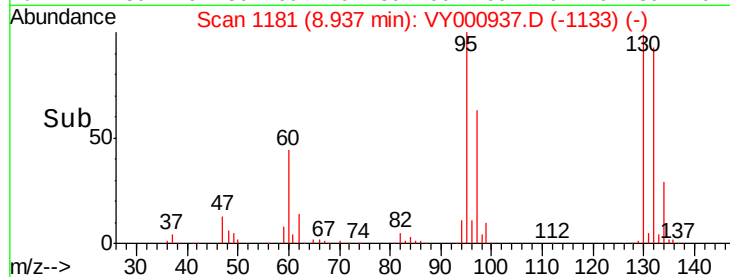
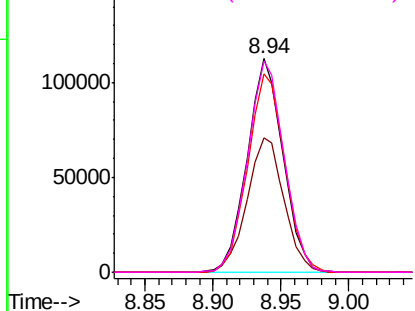
#34
 Trichloroethene
 Concen: 26.935 ug/L
 RT: 8.94 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	95	Resp:	208120
Ion	Ratio	Lower	Upper
95	100		
97	63.0	41.4	76.8
132	92.9	69.7	129.4
130	98.7	73.1	135.8

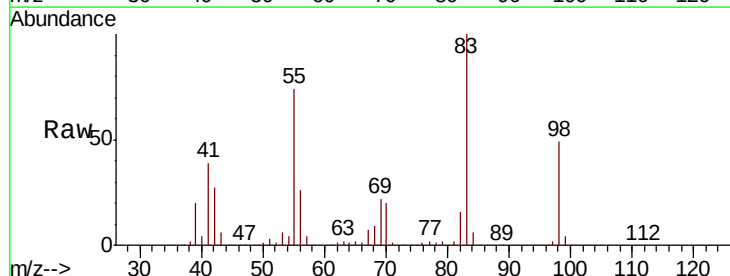


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

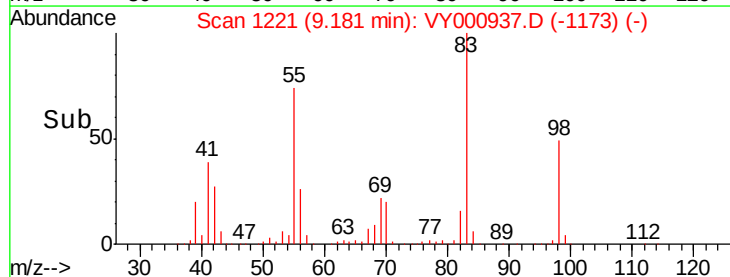
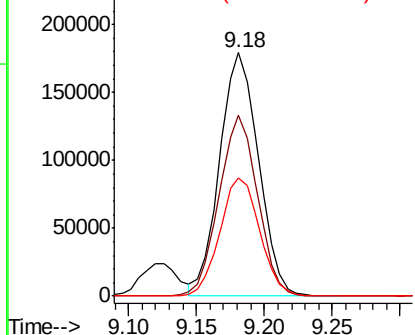


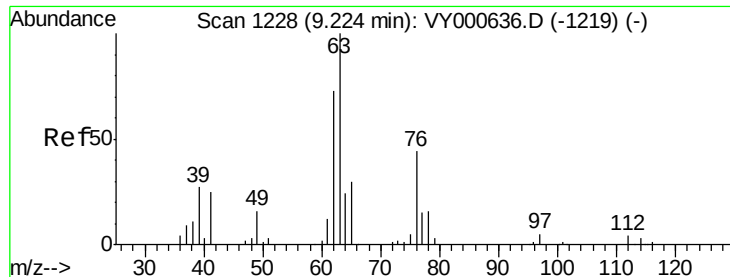
#35
 Methylcyclohexane
 Concen: 26.838 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion:	83	Resp:	356192
Ion	Ratio	Lower	Upper
83	100		
55	73.5	57.8	86.8
98	50.1	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

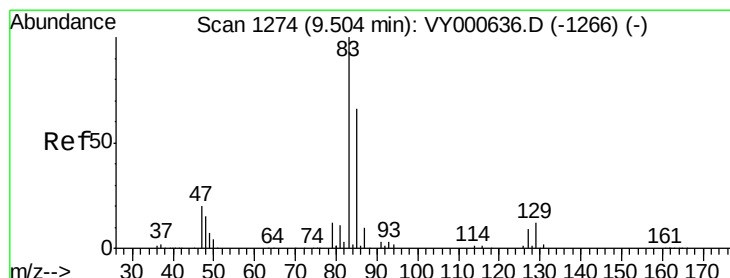
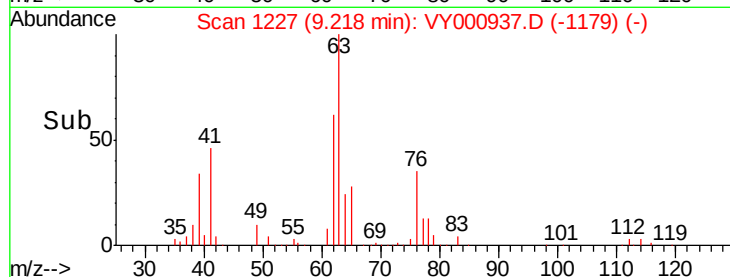
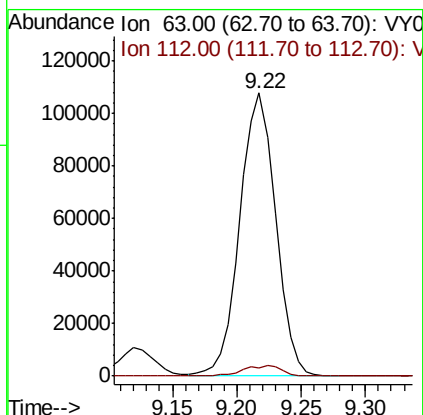
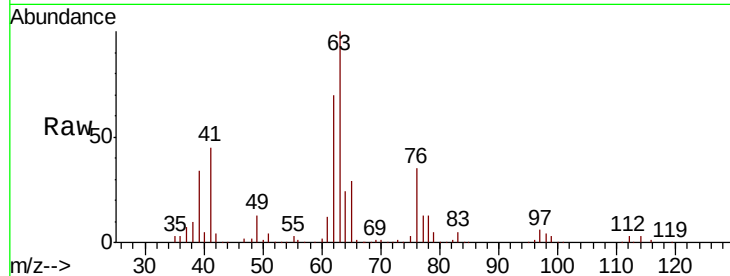




#37
 1,2-Dichloropropane
 Concen: 27.830 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

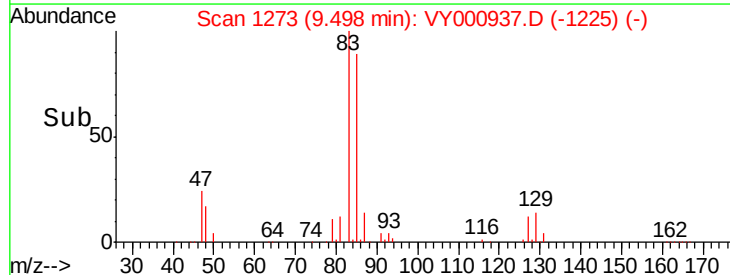
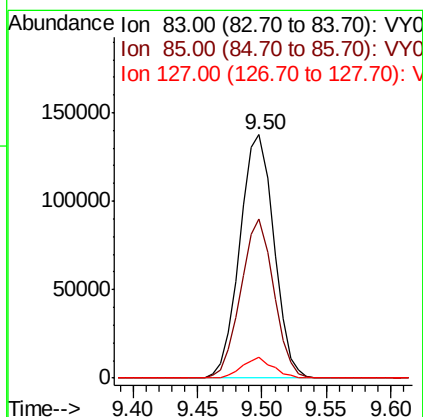
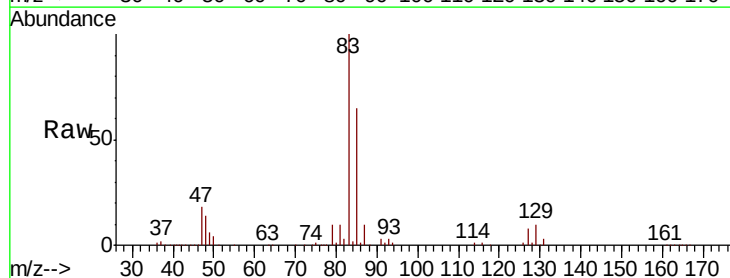
Instrument :
 MSVOA_Y
 ClientSampled :

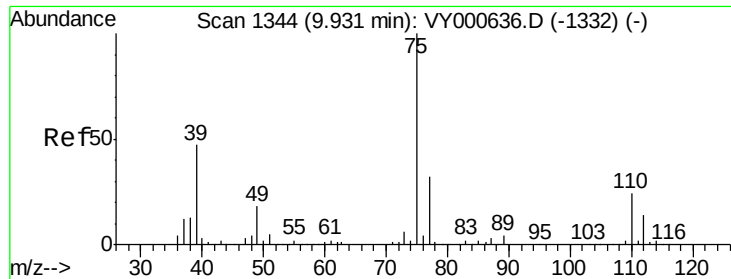
Tot Ion: 63 Resp: 207878
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 26.566 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion: 83 Resp: 252470
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.1 85.7
 127 8.5 6.5 9.7

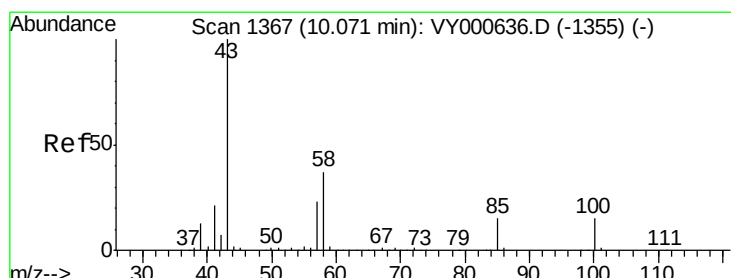
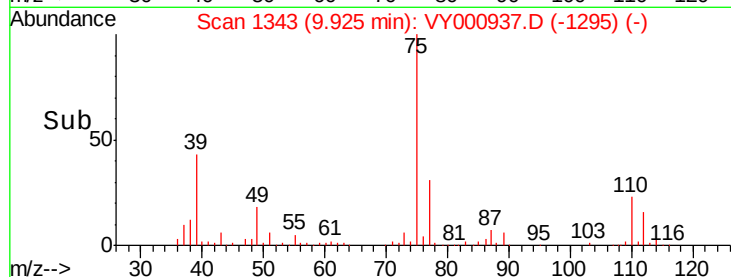
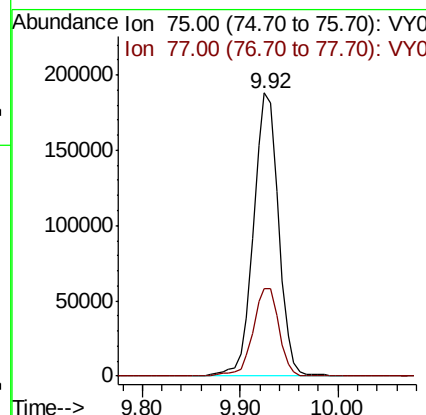
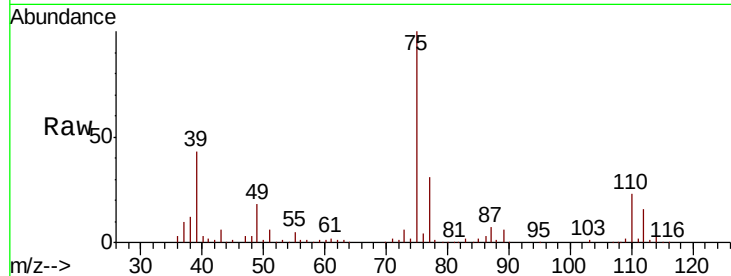




#39
 cis-1,3-Dichloropropene
 Concen: 27.897 ug/L
 RT: 9.92 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

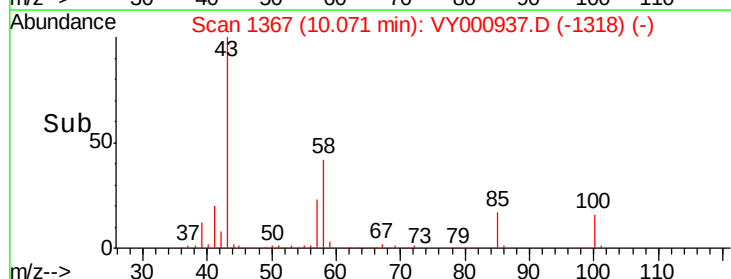
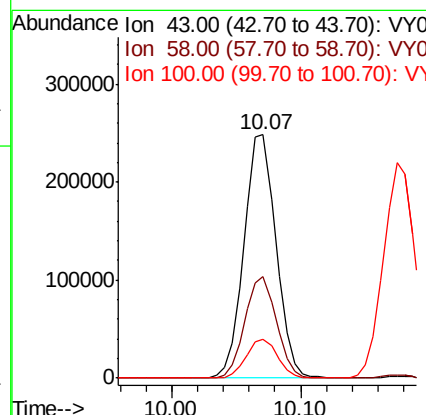
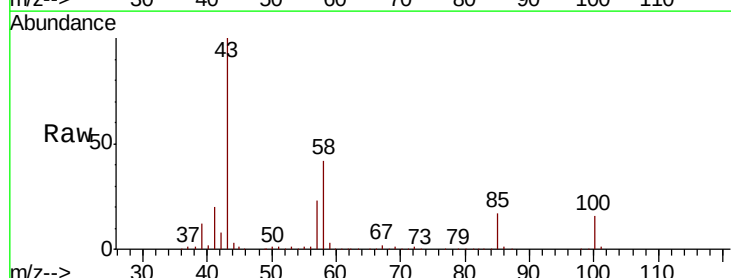
Instrument :
 MSVOA_Y
 ClientSampleId :

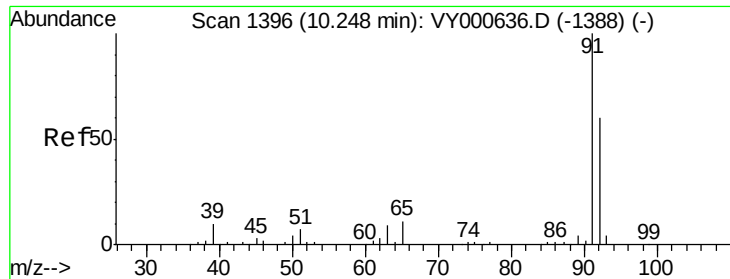
Tot Ion: 75 Resp: 333907
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 51.922 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion: 43 Resp: 427385
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.6 45.8
 100 15.5 11.6 17.4





#42

Toluene

Concen: 26.858 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

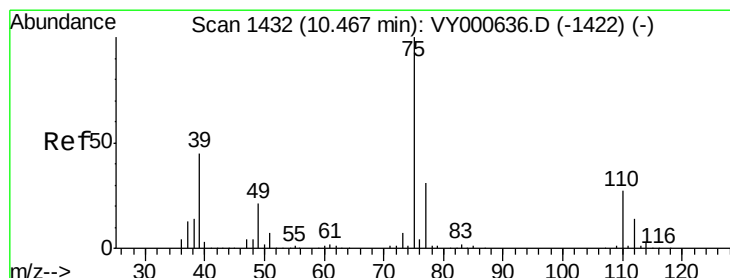
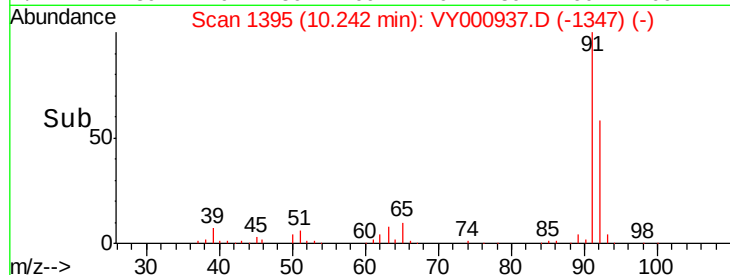
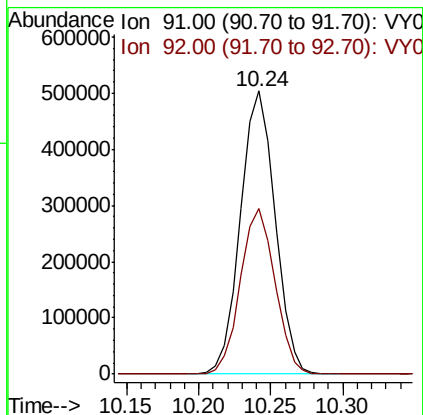
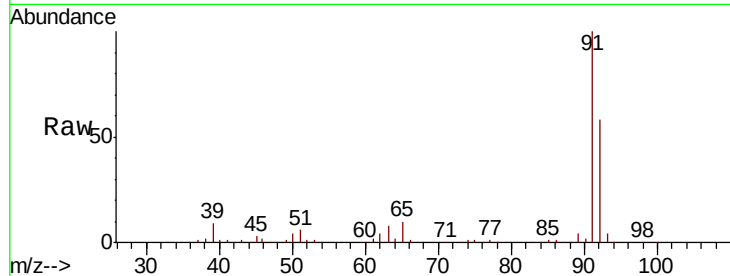
ClientSampled :

Tot Ion: 91 Resp: 839771

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 26.496 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000937.D

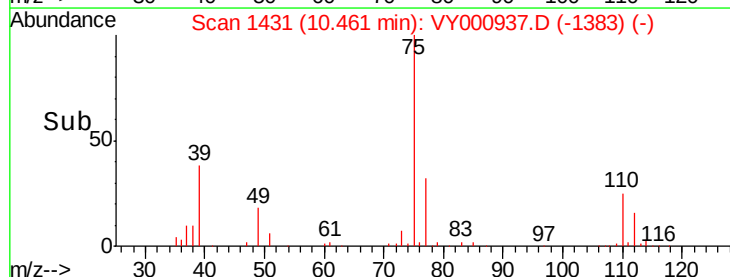
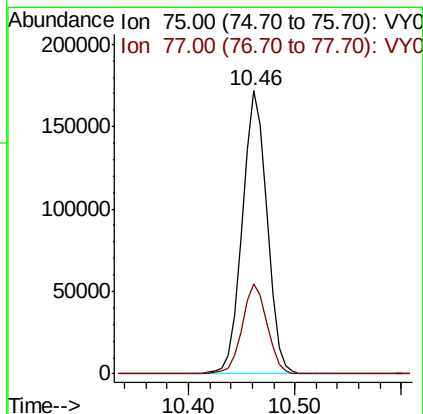
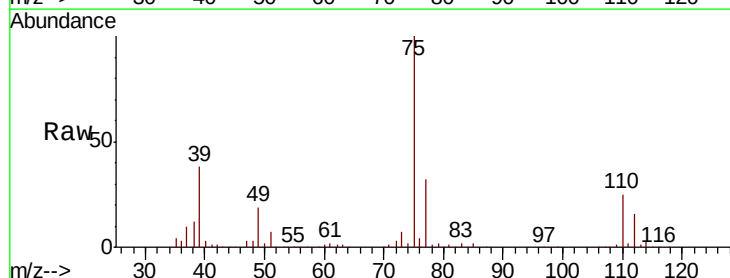
Acq: 13 Dec 2019 10:14

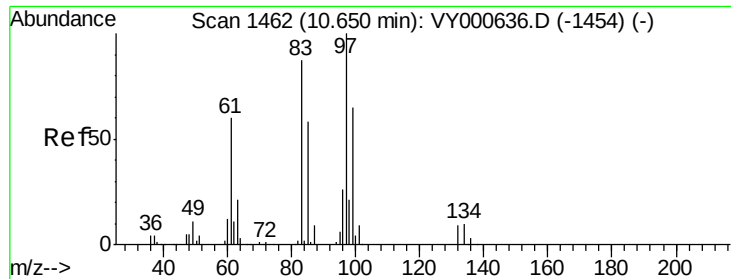
Tgt Ion: 75 Resp: 280265

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1

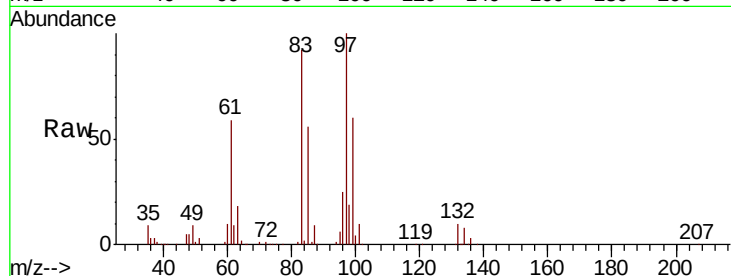




#45
1,1,2-Trichloroethane
Concen: 27.248 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 97 Resp: 172780
Ion Ratio Lower Upper
97 100
99 60.1 42.1 78.1
83 91.8 56.8 105.6
85 56.1 36.5 67.9



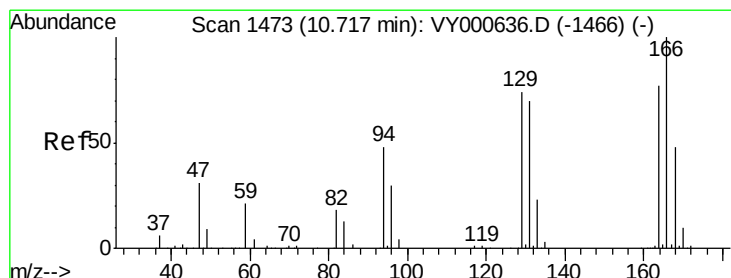
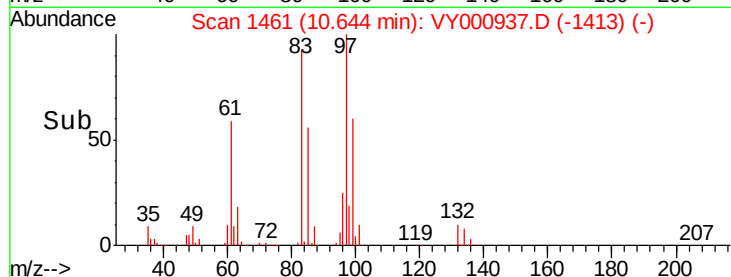
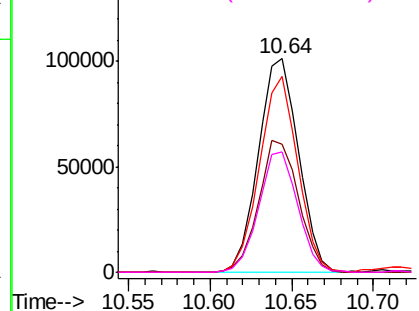
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

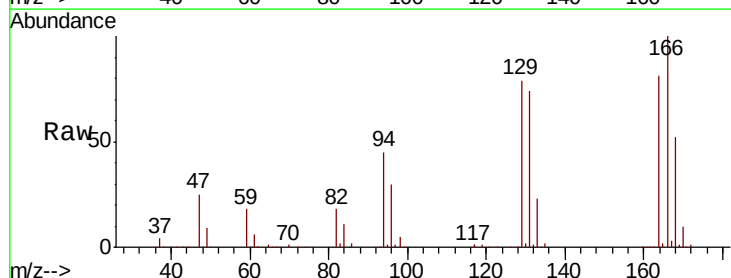
Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46
Tetrachloroethene
Concen: 24.701 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion:164 Resp: 145694
Ion Ratio Lower Upper
164 100
129 97.5 65.7 121.9
131 91.8 64.7 120.1
166 123.9 85.8 159.3



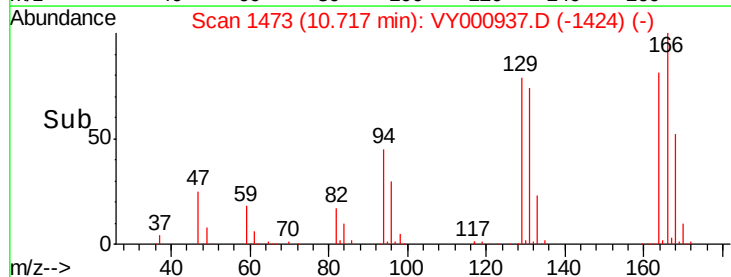
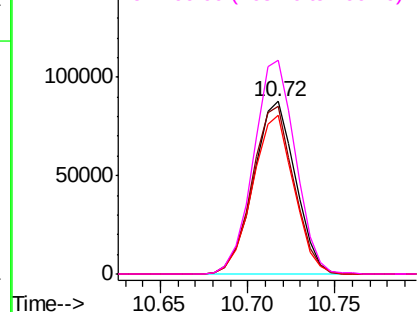
Abundance

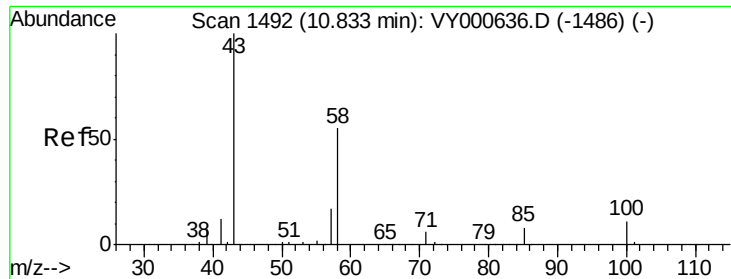
Ion 164.00 (163.70 to 164.70): V

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

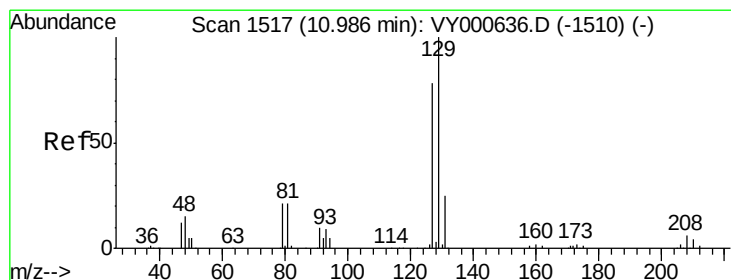
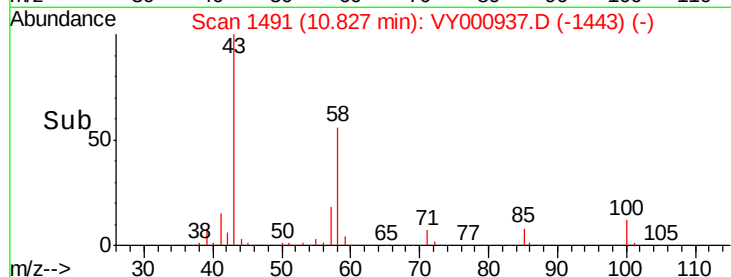
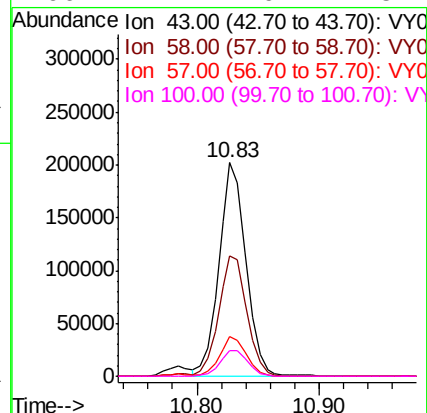
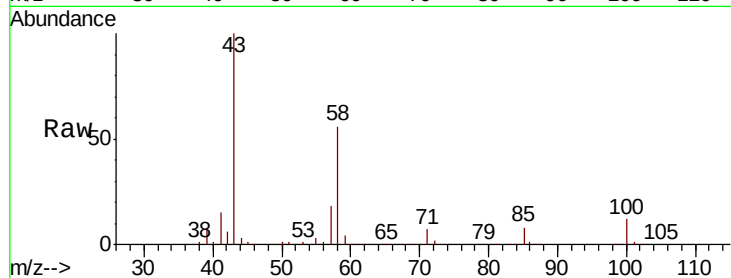




#48
2-Hexanone
Concen: 48.367 ug/L
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

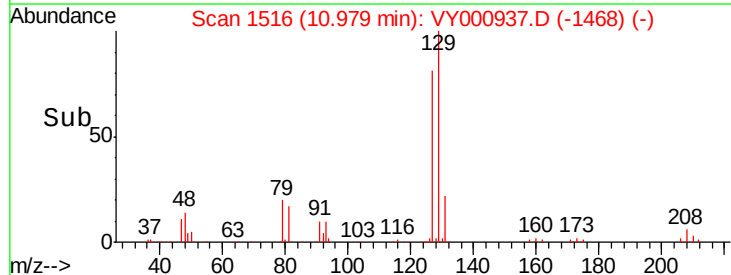
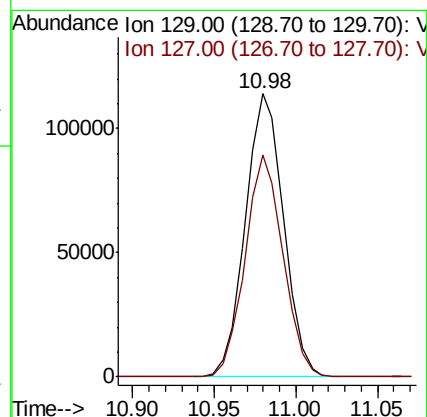
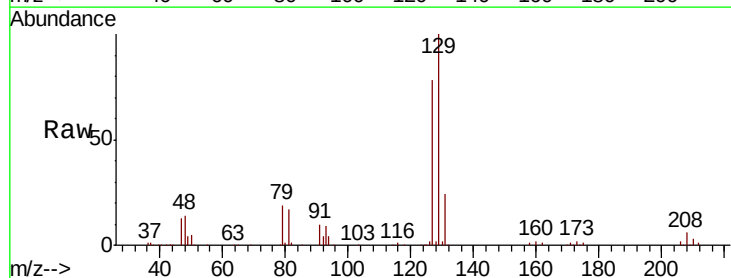
Instrument :
MSVOA_Y
ClientSampled :

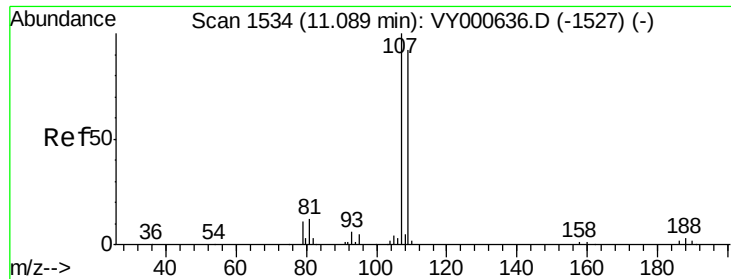
Tot Ion: 43 Resp: 311228
Ion Ratio Lower Upper
43 100
58 58.1 42.5 63.7
57 18.3 14.2 21.4
100 12.4 9.1 13.7



#49
Dibromochloromethane
Concen: 26.038 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion: 129 Resp: 186045
Ion Ratio Lower Upper
129 100
127 78.2 54.9 102.1

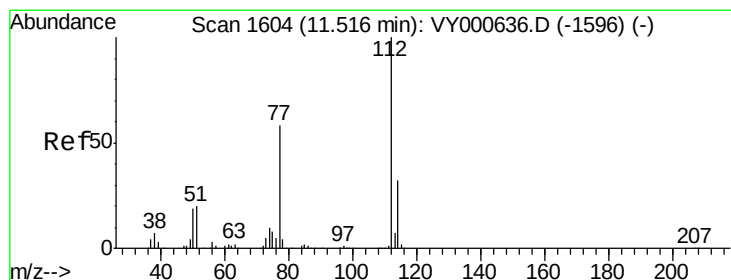
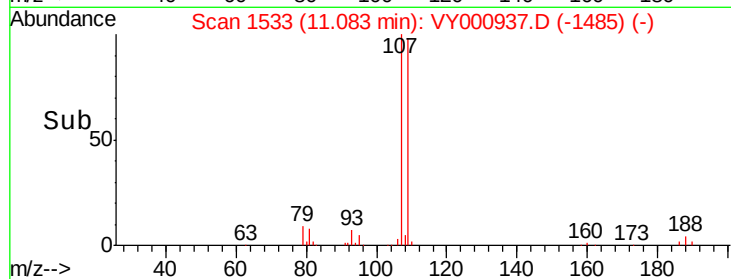
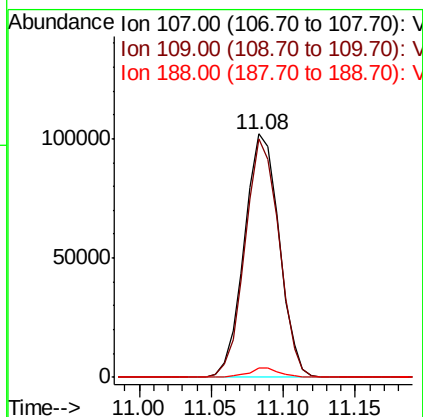
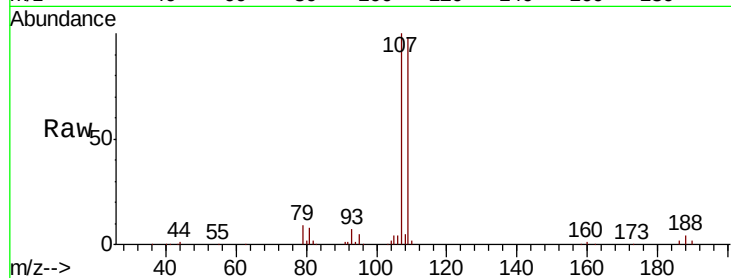




#50
 1,2-Dibromoethane
 Concen: 26.644 ug/L
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

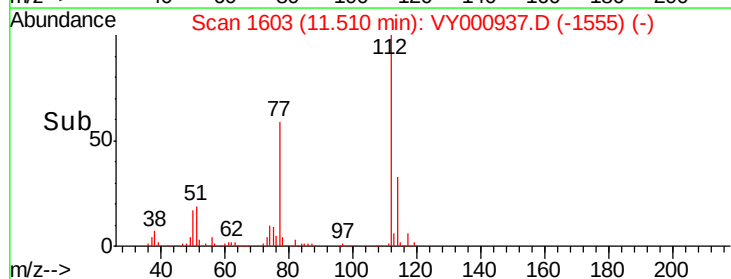
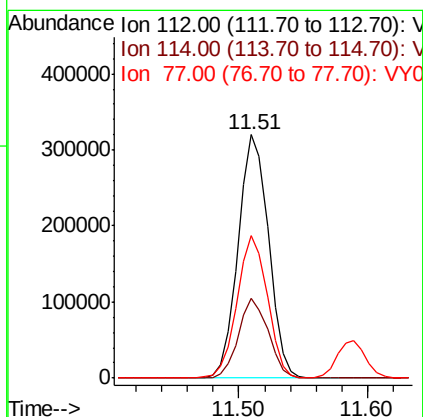
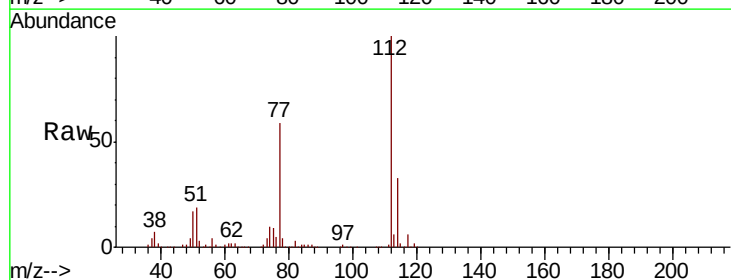
Instrument :
 MSVOA_Y
 ClientSampleId :

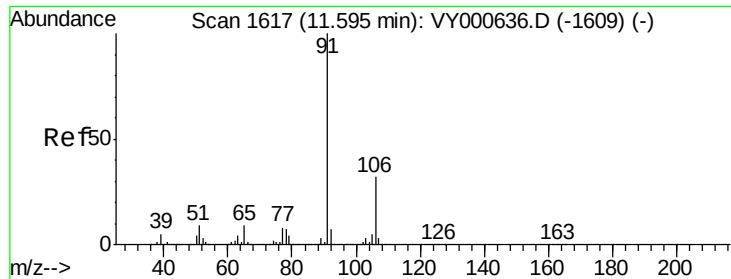
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	68.3	126.9
188	3.6	2.2	3.2#



#51
 Chlorobenzene
 Concen: 26.142 ug/L
 RT: 11.51 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.1	41.1
77	58.6	45.3	67.9

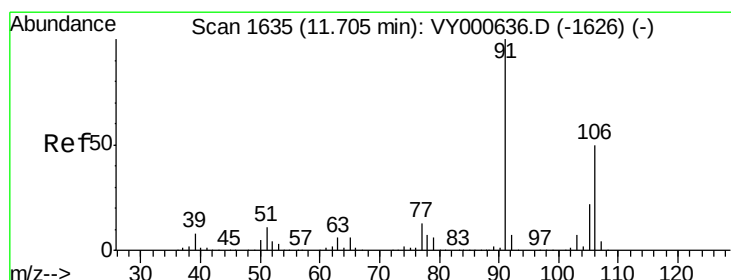
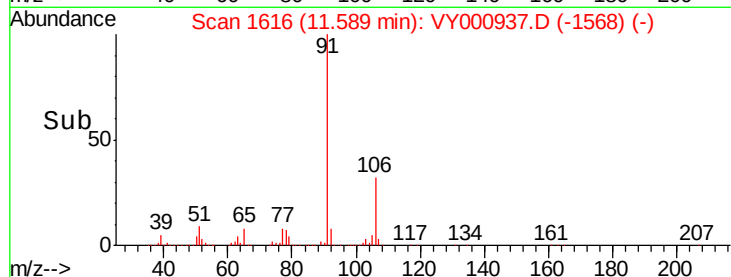
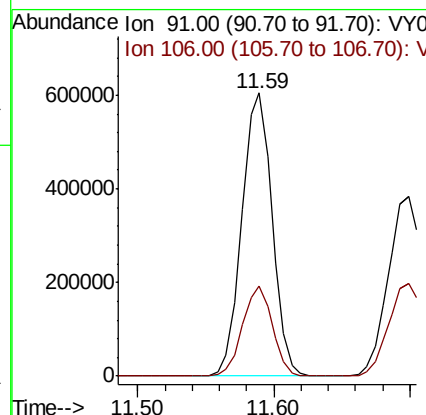
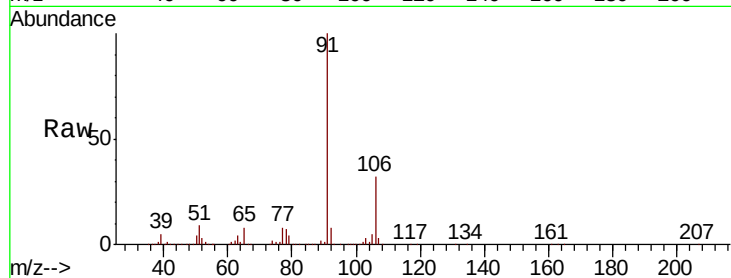




#52
Ethylbenzene
Concen: 26.328 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

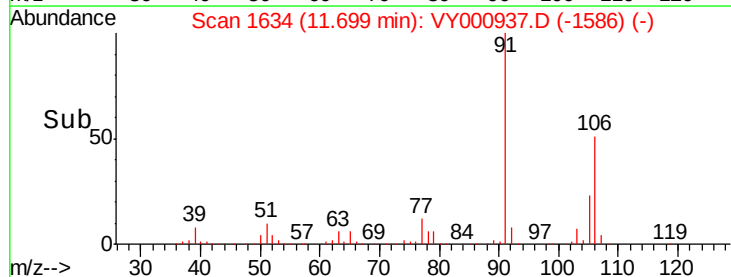
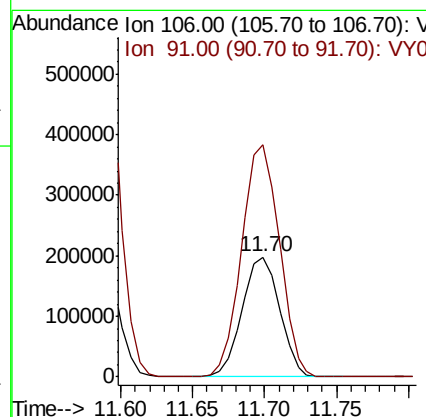
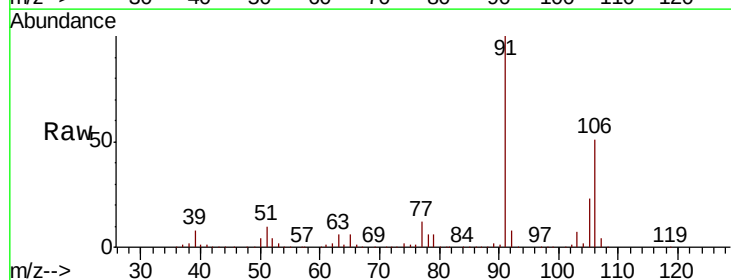
Instrument :
MSVOA_Y
ClientSampleId :

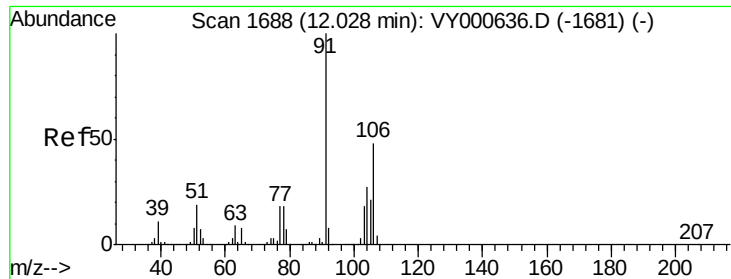
Tot Ion: 91 Resp: 939076
Ion Ratio Lower Upper
91 100
106 31.8 22.2 41.2



#53
m,p-Xylene
Concen: 26.266 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion: 106 Resp: 359008
Ion Ratio Lower Upper
106 100
91 194.2 138.8 257.8

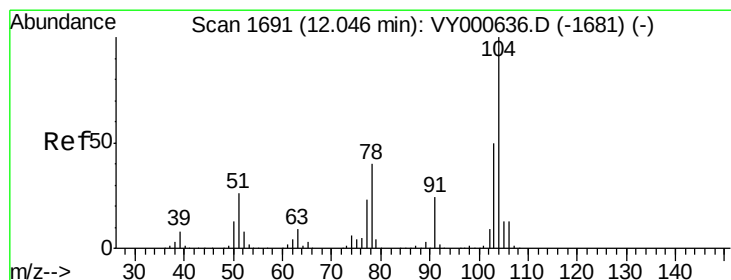
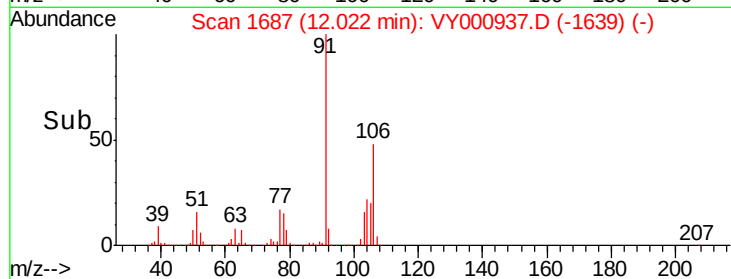
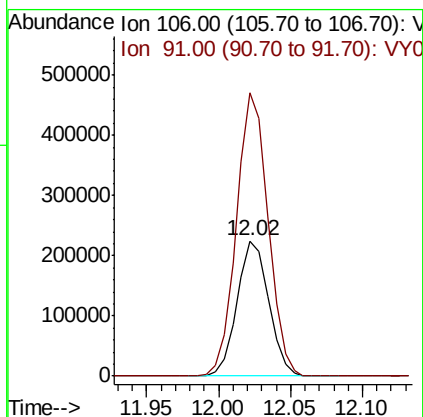
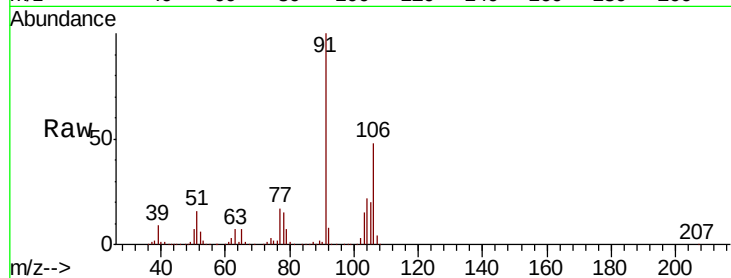




#54
o-Xylene
Concen: 25.833 ug/L
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

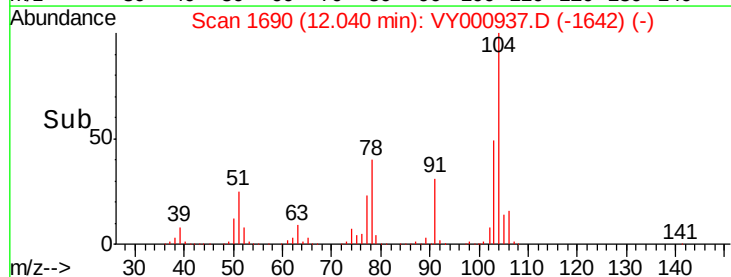
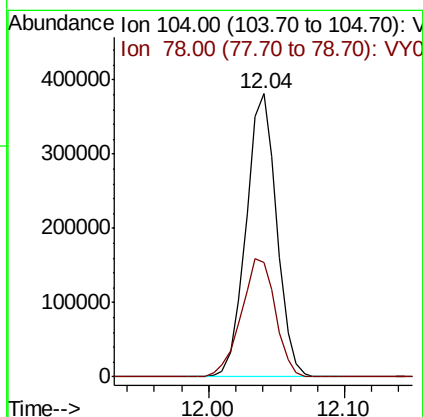
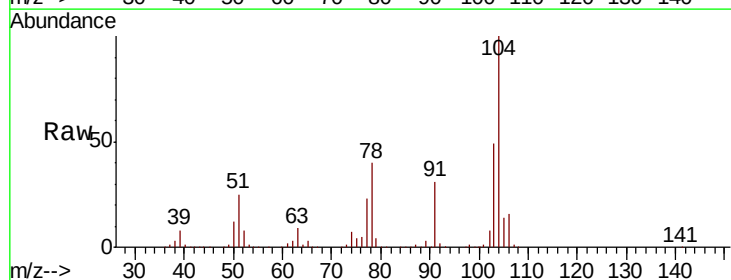
Instrument :
MSVOA_Y
ClientSampleId :

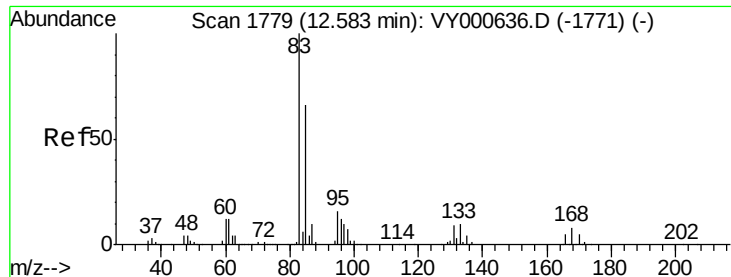
Tot Ion:106 Resp: 342926
Ion Ratio Lower Upper
106 100
91 209.1 143.6 266.6



#55
Styrene
Concen: 26.709 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion:104 Resp: 599581
Ion Ratio Lower Upper
104 100
78 40.2 32.3 60.1

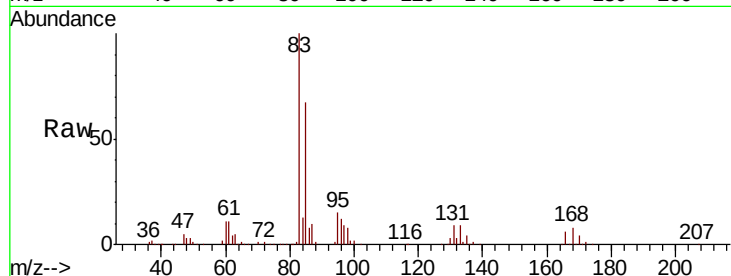




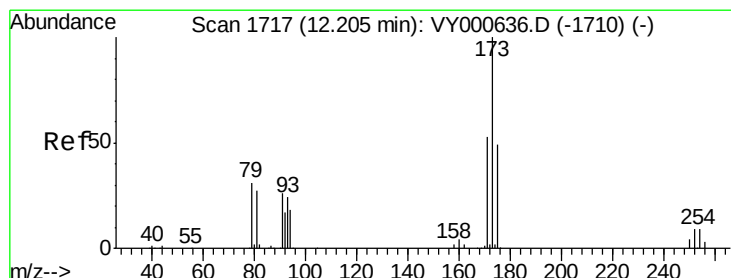
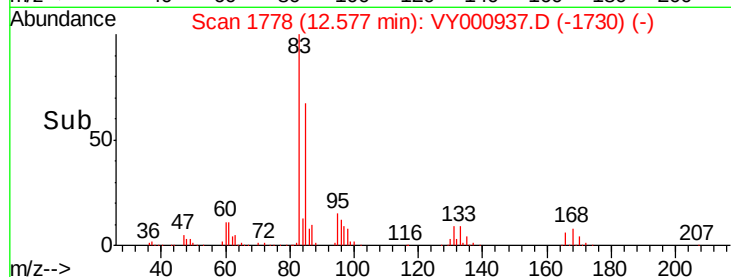
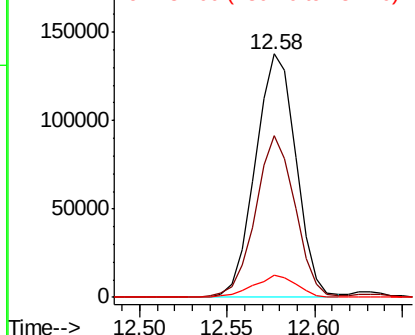
#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.901 ug/L
 RT: 12.58 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 83 Resp: 222631
 Ion Ratio Lower Upper
 83 100
 85 66.6 45.4 84.2
 131 9.0 7.9 11.9

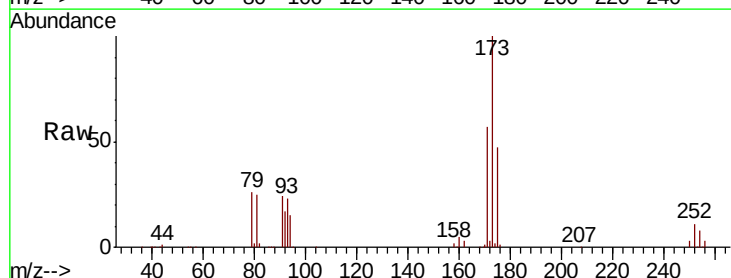


Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 131.00 (130.70 to 131.70): V

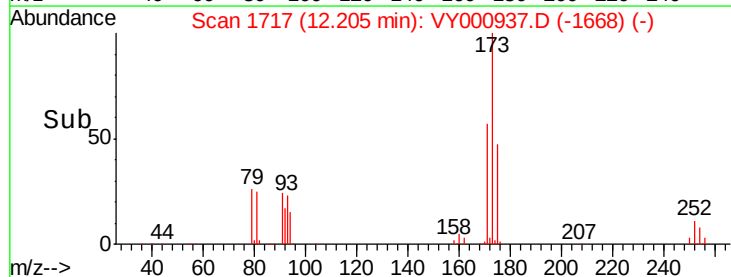
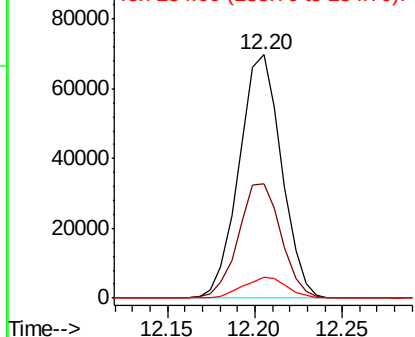


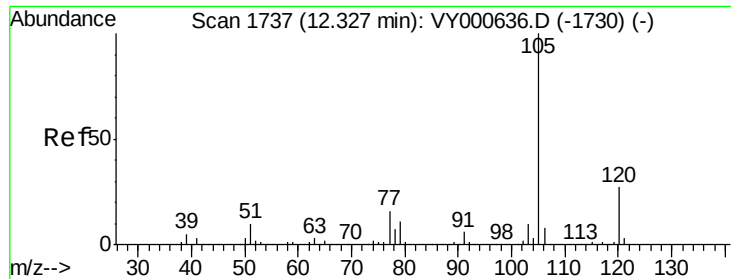
#59
 Bromoform
 Concen: 26.209 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion: 173 Resp: 117439
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.2 57.2
 254 8.9 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 26.883 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

ClientSampleId :

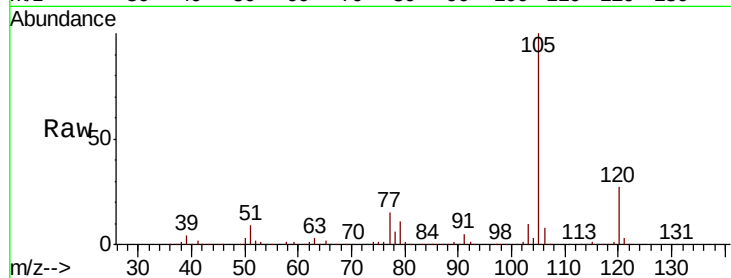
Tot Ion:105 Resp: 904347

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

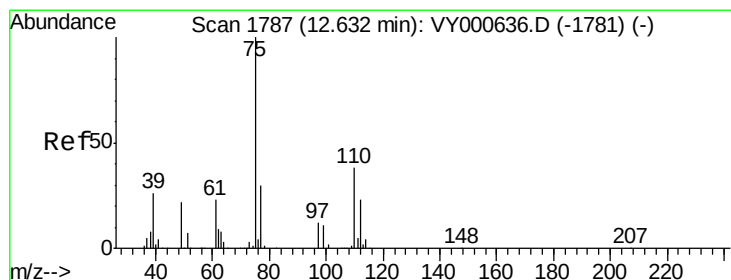
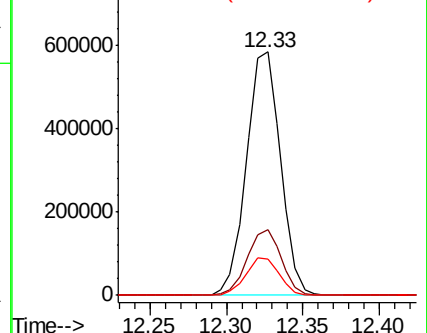
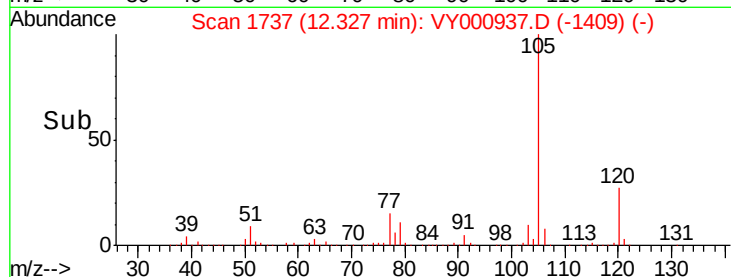
77 15.1 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000937.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000937.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000937.D (-1730) (-)



#61

1,2,3-Trichloropropane

Concen: 27.363 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

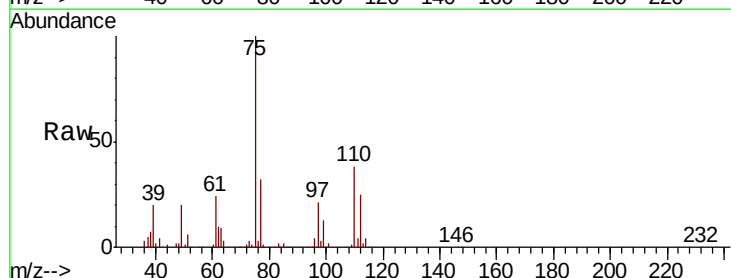
Tgt Ion: 75 Resp: 183059

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

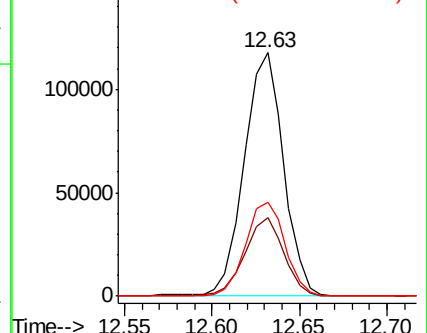
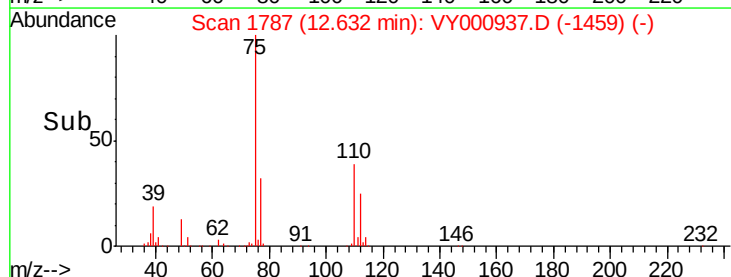
110 39.0 33.0 49.4

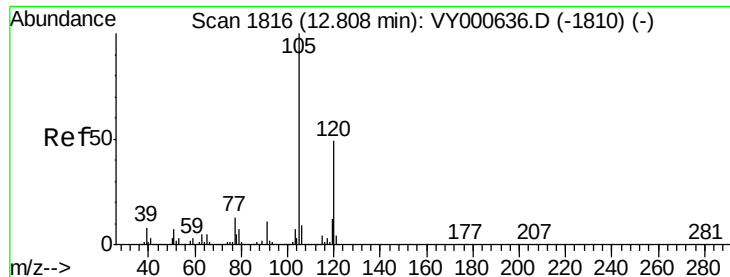


Abundance Ion 75.00 (74.70 to 75.70): VY000937.D (-1459) (-)

Ion 77.00 (76.70 to 77.70): VY000937.D (-1459) (-)

Ion 110.00 (109.70 to 110.70): VY000937.D (-1459) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.006 ug/L

RT: 12.88 min Scan# 1828

Delta R.T. 0.07 min

Lab File: VY000937.D

Acq: 13 Dec 2019 10:14

Instrument :

MSVOA_Y

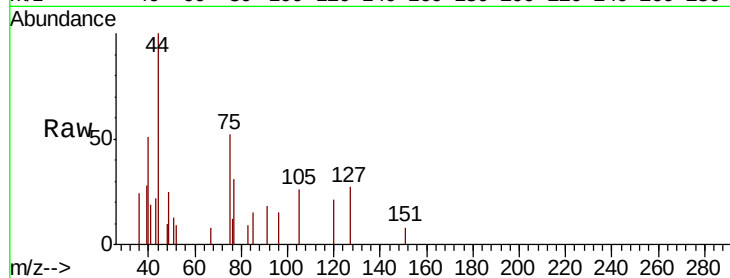
ClientSampled :

Tot Ion:105 Resp: 166

Ion Ratio Lower Upper

105 100

120 30.1 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.88

150

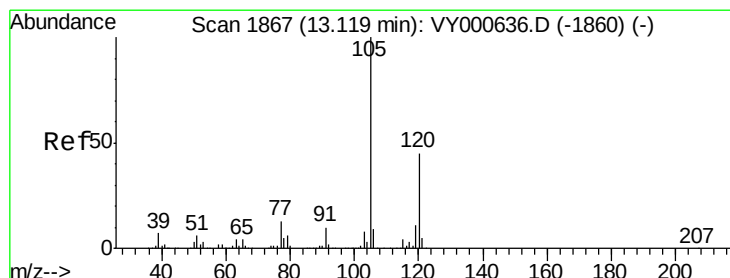
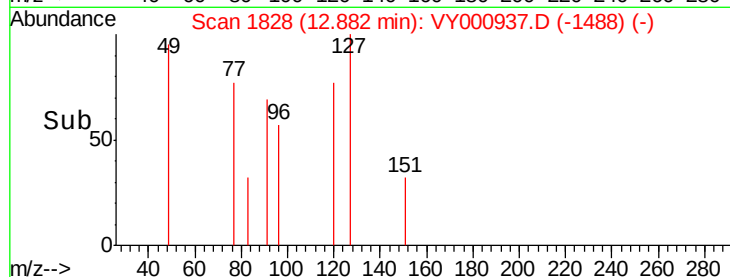
100

50

0

12.87 12.88 12.89

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 26.870 ug/L

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY000937.D

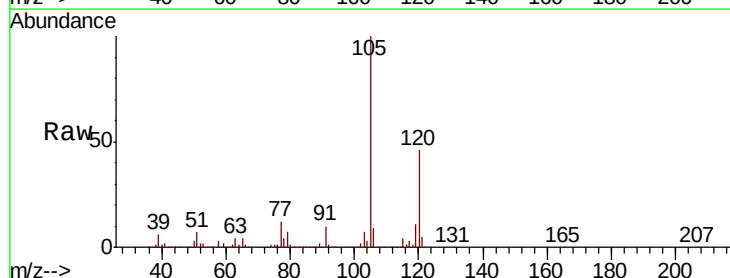
Acq: 13 Dec 2019 10:14

Tgt Ion:105 Resp: 730435

Ion Ratio Lower Upper

105 100

120 46.5 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.11

500000

400000

300000

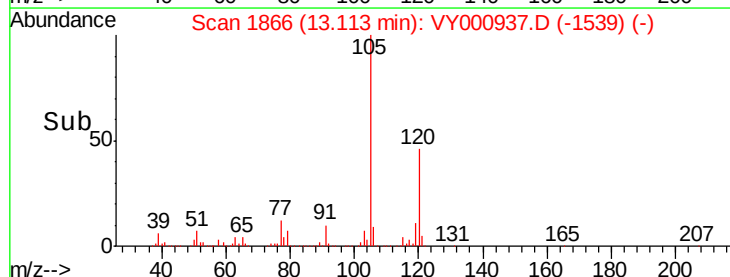
200000

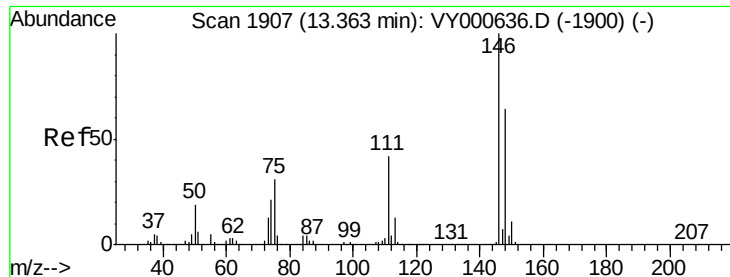
100000

0

13.05 13.10 13.15

Time-->

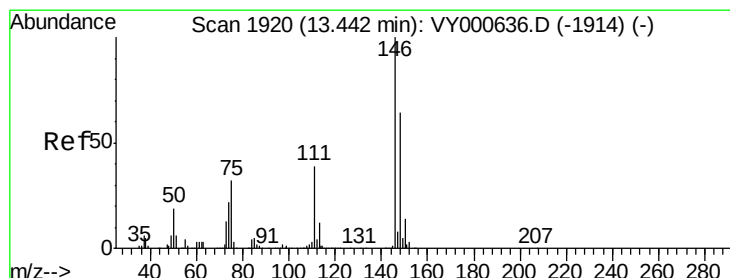
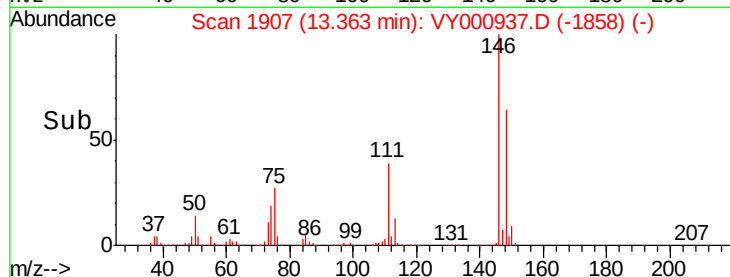
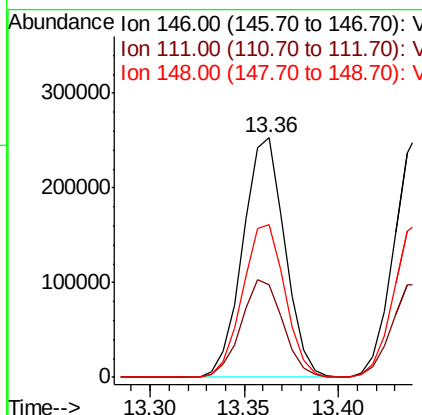
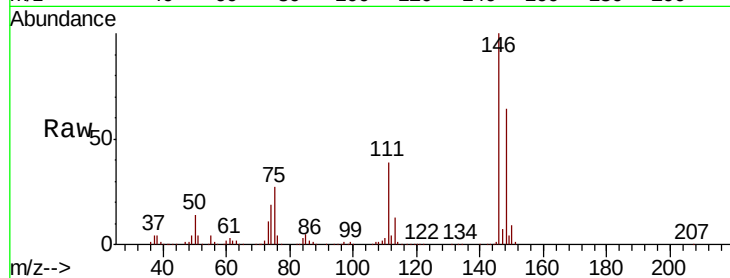




#64
 1,3-Dichlorobenzene
 Concen: 25.920 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

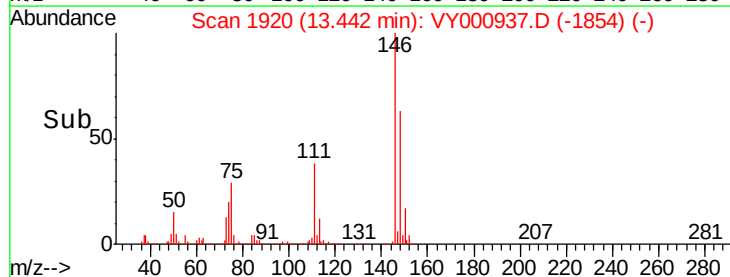
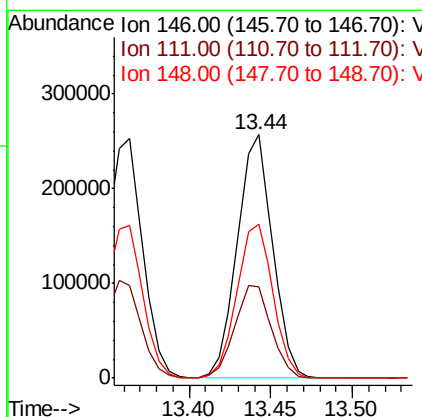
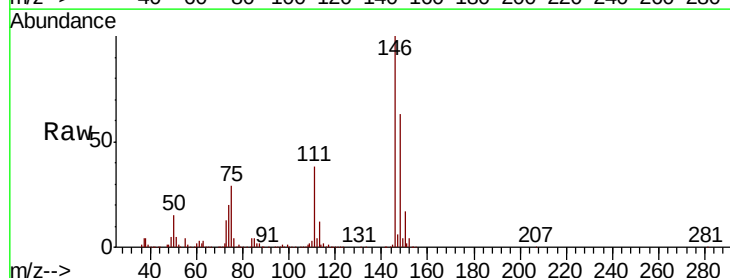
Instrument :
 MSVOA_Y
 ClientSampleId :

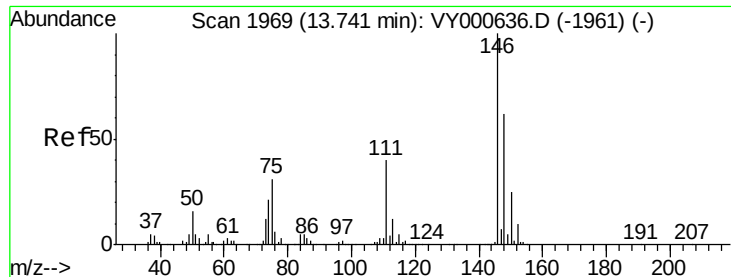
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.9	51.7
148	63.9	43.5	80.7



#65
 1,4-Dichlorobenzene
 Concen: 25.611 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.4	50.8
148	63.3	44.4	82.5

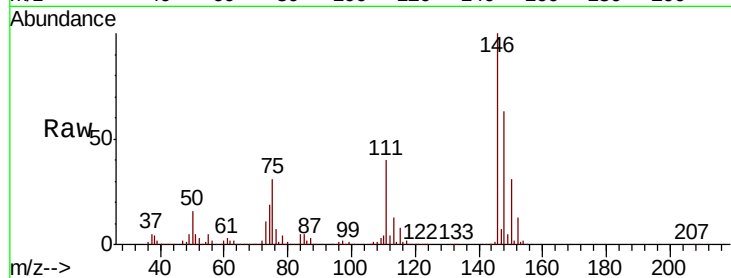




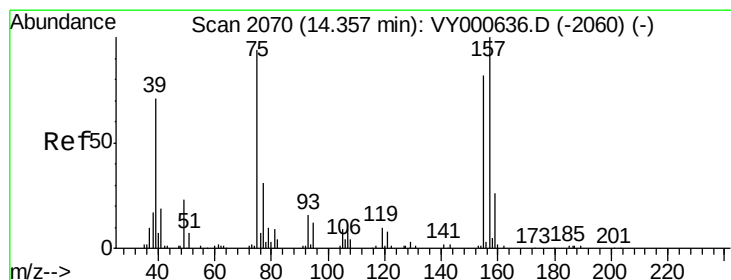
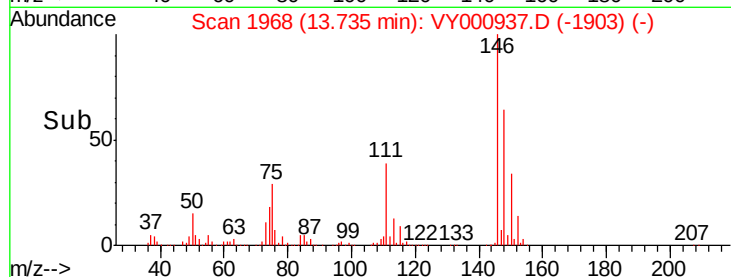
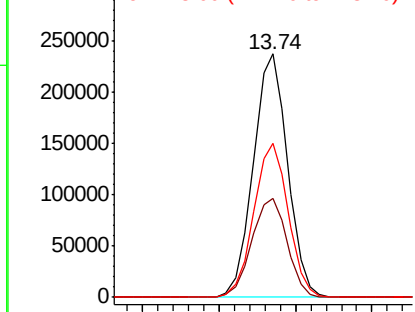
#67
 1,2-Dichlorobenzene
 Concen: 26.219 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:146 Resp: 370293
 Ion Ratio Lower Upper
 146 100
 111 40.5 35.6 53.4
 148 63.5 50.8 76.2

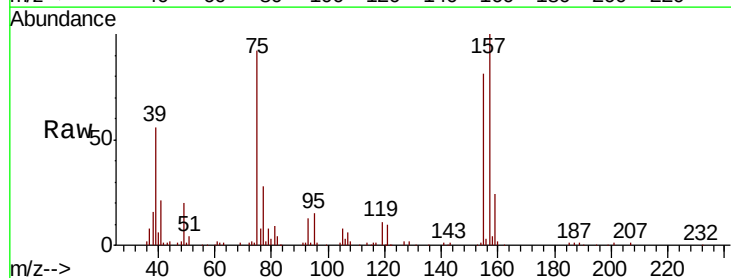


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

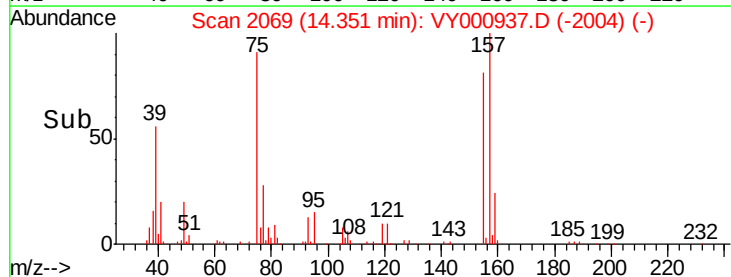
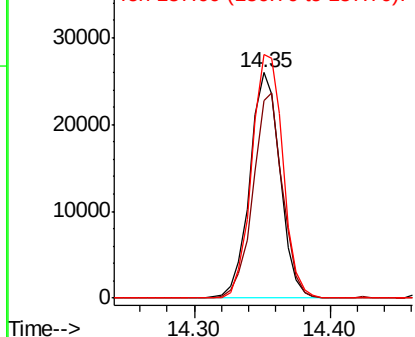


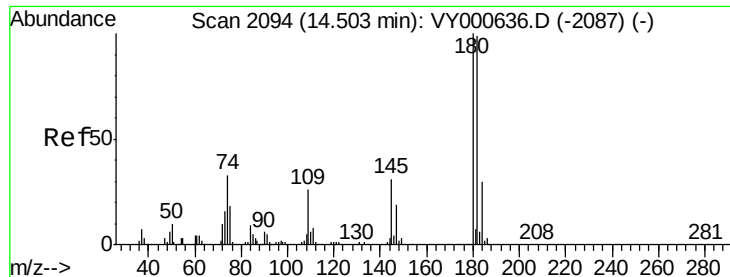
#68
 1,2-Dibromo-3-chloropropane
 Concen: 26.220 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion: 75 Resp: 40605
 Ion Ratio Lower Upper
 75 100
 155 87.9 66.3 99.5
 157 108.2 86.4 129.6



Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

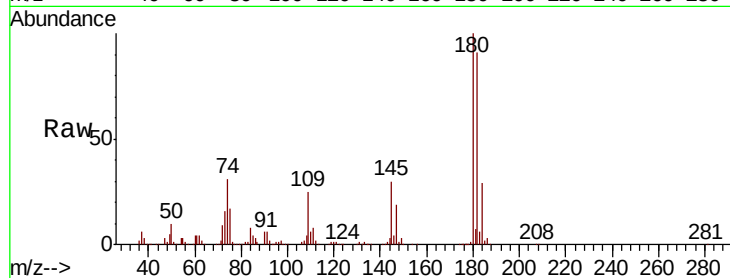




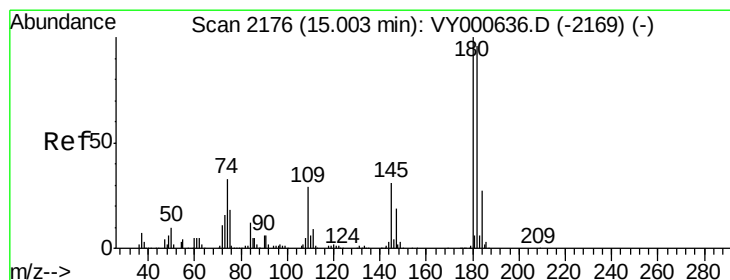
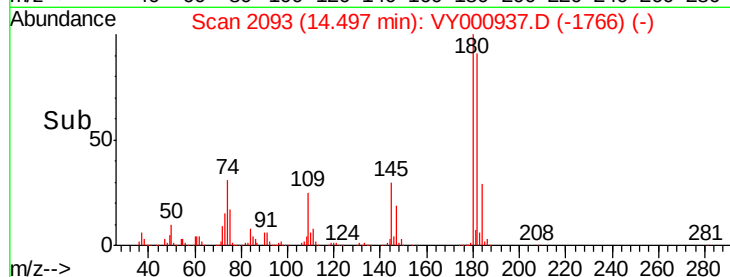
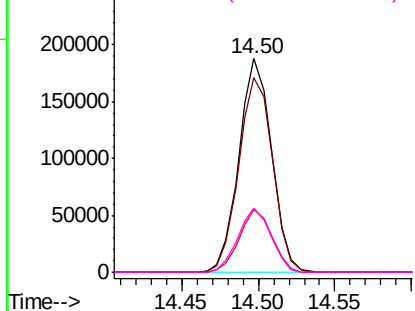
#69
 1,3,5-Trichlorobenzene
 Concen: 26.764 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	278573
Ion Ratio	Lower	Upper
180	100	
182	93.9	76.1 114.1
184	29.6	24.5 36.7
145	30.2	24.0 36.0

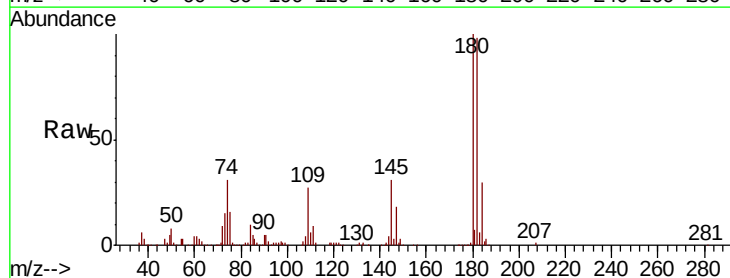


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

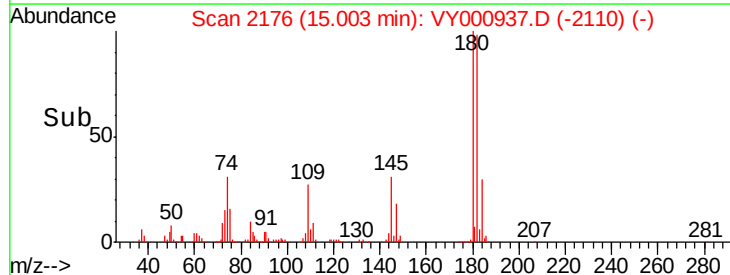
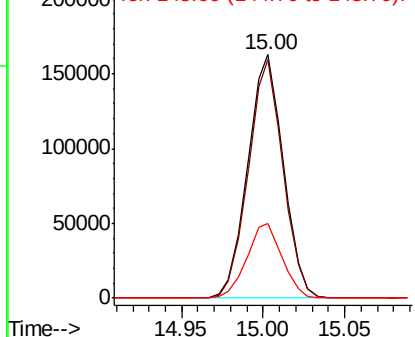


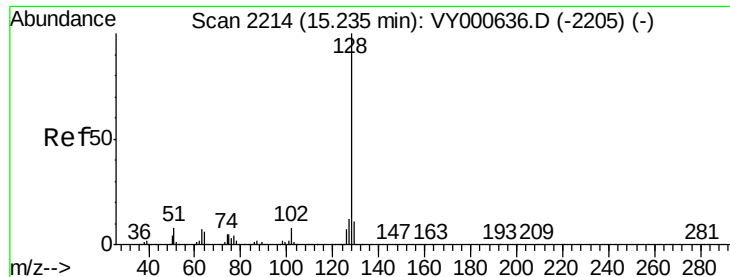
#70
 1,2,4-trichlorobenzene
 Concen: 25.963 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000937.D
 Acq: 13 Dec 2019 10:14

Tgt Ion:180	Resp:	246139
Ion Ratio	Lower	Upper
180	100	
182	95.8	74.6 112.0
145	30.6	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

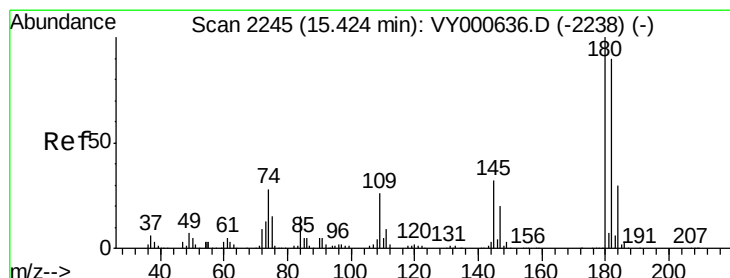
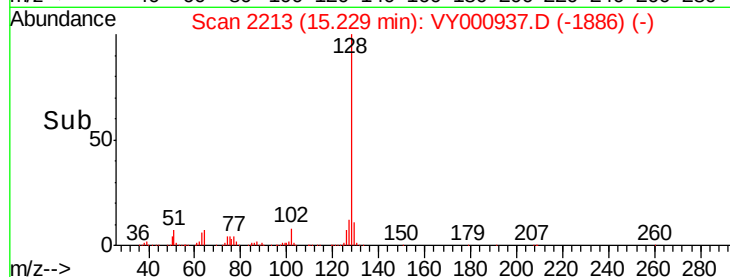
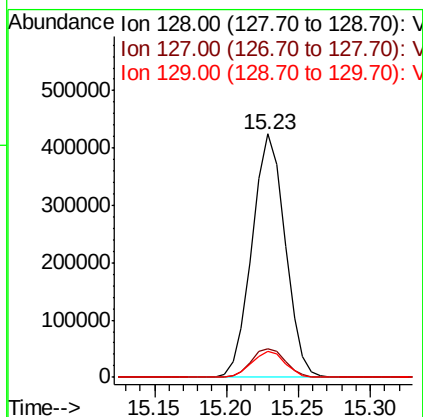
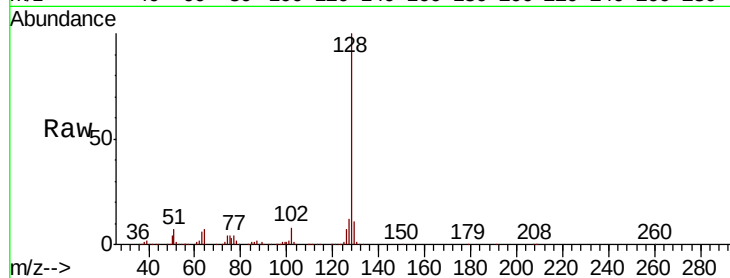




#71
Naphthalene
Concen: 27.203 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:128 Resp: 673733
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 26.074 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000937.D
Acq: 13 Dec 2019 10:14

Tgt Ion:180 Resp: 229002
Ion Ratio Lower Upper
180 100
182 95.0 75.0 112.4
145 32.0 26.5 39.7

