

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000764.D
 Acq On : 21 Nov 2019 13:52
 Operator : SY/MD
 Sample : VY1121SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	335702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	587278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	523945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	170716	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	7.72	113	162310	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.18	98	675587	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	239000	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	60151	18.202	ug/l	99
3) Chloromethane	2.11	50	80788	17.747	ug/l	98
4) Vinyl Chloride	2.25	62	80550	19.054	ug/l	97
5) Bromomethane	2.65	94	51146	20.176	ug/l	97
6) Chloroethane	2.79	64	52717	19.925	ug/l	95
7) Trichlorofluoromethane	3.13	101	118547	20.765	ug/l	91
8) Diethyl Ether	3.54	74	46626	22.985	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	75792	21.959	ug/l	94
10) Methyl Iodide	4.09	142	86404	21.001	ug/l	98
11) Tert butyl alcohol	4.97	59	32803	96.999	ug/l	97
12) 1,1-Dichloroethene	3.88	96	75922	22.641	ug/l	92
13) Acrolein	3.73	56	23724	80.537	ug/l	97
14) Allyl chloride	4.48	41	125765	23.065	ug/l	95
15) Acrylonitrile	5.17	53	119364	114.866	ug/l	100
16) Acetone	3.96	43	86879	90.736	ug/l	96
17) Carbon Disulfide	4.19	76	218414	20.651	ug/l	98
18) Methyl Acetate	4.48	43	63490	21.326	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	204294	21.912	ug/l	97
20) Methylene Chloride	4.72	84	91054	22.193	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	81860	21.593	ug/l	94
22) Diisopropyl ether	6.12	45	270525	22.826	ug/l	92
23) Vinyl Acetate	6.07	43	834447	111.537	ug/l	95
24) 1,1-Dichloroethane	6.02	63	149088	23.221	ug/l	99
25) 2-Butanone	6.99	43	150722	98.634	ug/l	97
26) 2,2-Dichloropropane	6.99	77	126688	21.592	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	96135	23.191	ug/l	97
28) Bromochloromethane	7.34	49	36179	15.437	ug/l	98
29) Tetrahydrofuran	7.35	42	101528	108.605	ug/l	98
30) Chloroform	7.51	83	150044	23.101	ug/l	90
31) Cyclohexane	7.78	56	147447	21.926	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	121458	20.982	ug/l	98
36) 1,1-Dichloropropene	7.92	75	116584	20.999	ug/l	100
37) Ethyl Acetate	7.08	43	67099	20.357	ug/l #	94
38) Carbon Tetrachloride	7.91	117	107495	20.122	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	149401	20.830	ug/l	99
40) Benzene	8.16	78	342753	21.058	ug/l	96
41) Methacrylonitrile	7.35	41	88022	47.870	ug/l #	7
42) 1,2-Dichloroethane	8.24	62	90634	19.633	ug/l	99
43) Isopropyl Acetate	8.28	43	127970	20.668	ug/l	99
44) Trichloroethene	8.94	130	89148	20.773	ug/l	99
45) 1,2-Dichloropropane	9.22	63	89603	22.367	ug/l	92
46) Dibromomethane	9.30	93	43749	19.857	ug/l	97
47) Bromodichloromethane	9.50	83	108577	20.770	ug/l	99
48) Methyl methacrylate	9.29	41	54537	20.159	ug/l	96
49) 1,4-Dioxane	9.30	88	11697	394.488	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	334009	101.460	ug/l	96
52) Toluene	10.24	92	215120	20.904	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	116348	20.830	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	134094	20.956	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	67101	21.057	ug/l	97
56) Ethyl methacrylate	10.51	69	98045	21.708	ug/l	90
57) 1,3-Dichloropropane	10.79	76	119830	21.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	228065	111.696	ug/l	98
59) 2-Hexanone	10.83	43	227999	95.056	ug/l	95
60) Dibromochloromethane	10.98	129	71662	19.633	ug/l	97
61) 1,2-Dibromoethane	11.09	107	64569	21.074	ug/l	97
64) Tetrachloroethene	10.72	164	93128	21.496	ug/l	94
65) Chlorobenzene	11.52	112	225572	21.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	75022	20.363	ug/l	98
67) Ethyl Benzene	11.59	91	420593	21.513	ug/l	98
68) m/p-Xylenes	11.70	106	313649	41.450	ug/l	96
69) o-Xylene	12.03	106	148868	20.933	ug/l	95
70) Styrene	12.04	104	248711	20.424	ug/l	98
71) Bromoform	12.20	173	41952	19.798	ug/l #	99
73) Isopropylbenzene	12.33	105	401233	22.294	ug/l	99
74) N-amyl acetate	12.14	43	105814	20.529	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	79304	22.254	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	107358	38.719	ug/l #	100
77) Bromobenzene	12.60	156	85363	20.916	ug/l	93
78) n-propylbenzene	12.67	91	497525	22.911	ug/l	98
79) 2-Chlorotoluene	12.75	91	266960	22.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	338113	22.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27950	22.602	ug/l	93
82) 4-Chlorotoluene	12.85	91	282498	22.606	ug/l	99
83) tert-Butylbenzene	13.07	119	285525	22.310	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	351452	23.549	ug/l	99
85) sec-Butylbenzene	13.25	105	416537	22.844	ug/l	99
86) p-Isopropyltoluene	13.37	119	357297	21.986	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	171757	21.486	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	171862	21.515	ug/l	99
89) n-Butylbenzene	13.69	91	367150	22.906	ug/l	100
90) Hexachloroethane	13.95	117	65870	21.925	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	158647	21.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12417	19.689	ug/l	95

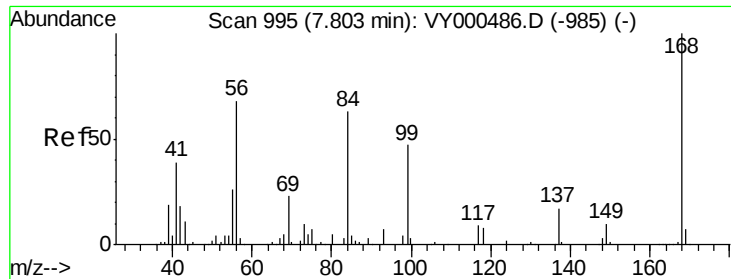
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	108178	21.905	ug/l	97
94) Hexachlorobutadiene	15.11	225	54201	21.291	ug/l	96
95) Naphthalene	15.23	128	247022	22.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	95842	21.632	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

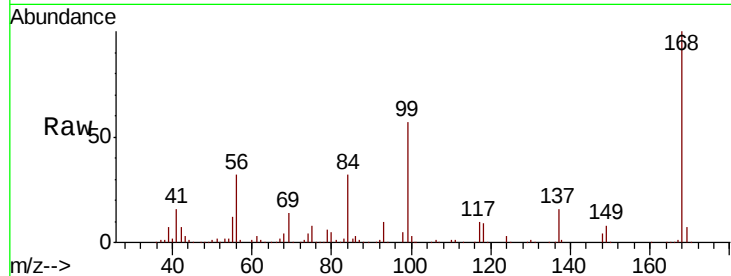
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 335702

Ion Ratio Lower Upper

168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

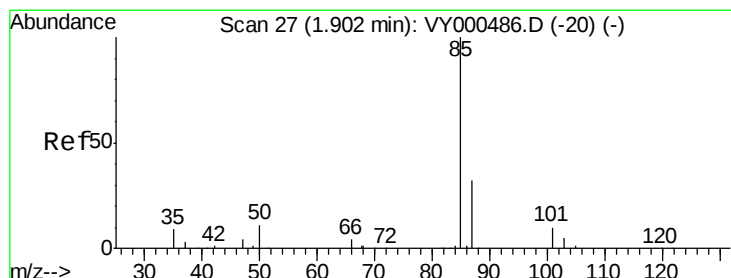
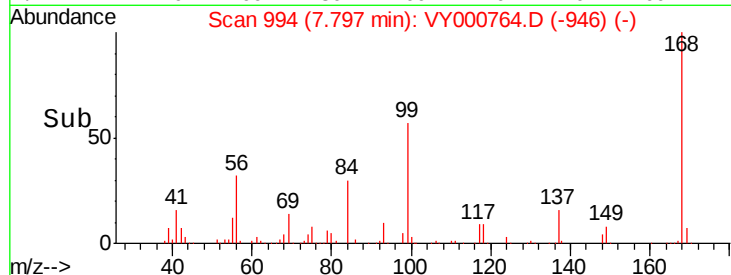
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.202 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000764.D

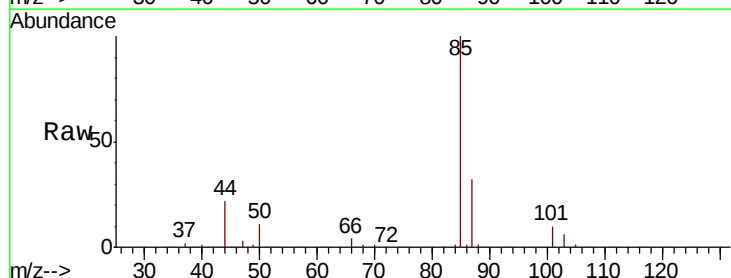
Acq: 21 Nov 2019 13:52

Tgt Ion: 85 Resp: 60151

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

40000

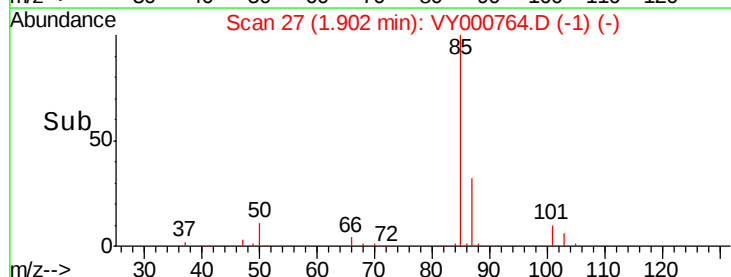
30000

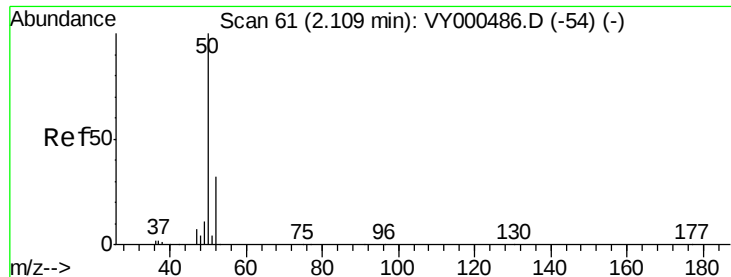
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.747 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

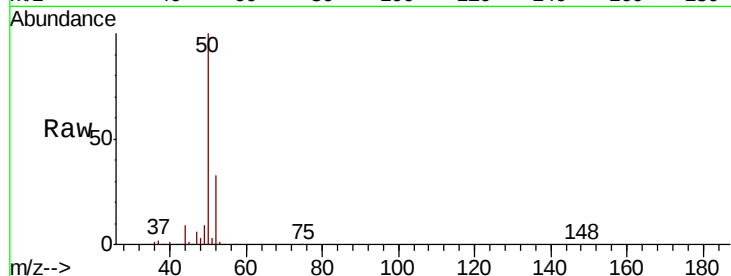
ClientSampleId :

Tot Ion: 50 Resp: 80788

Ion Ratio Lower Upper

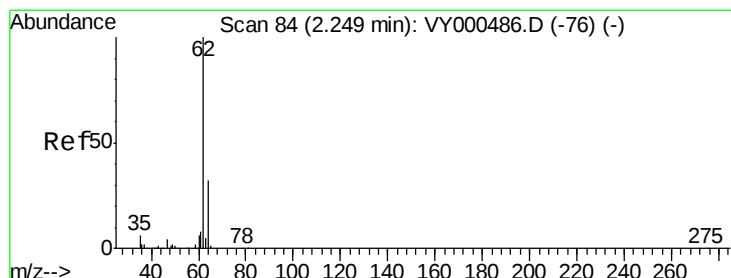
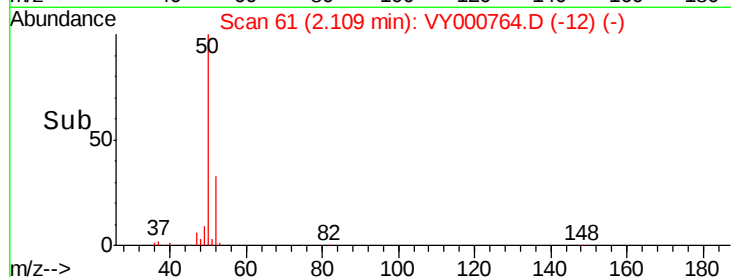
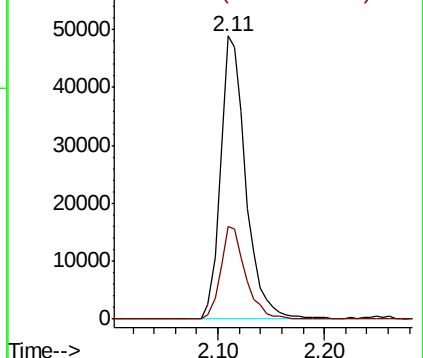
50 100

52 32.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.054 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000764.D

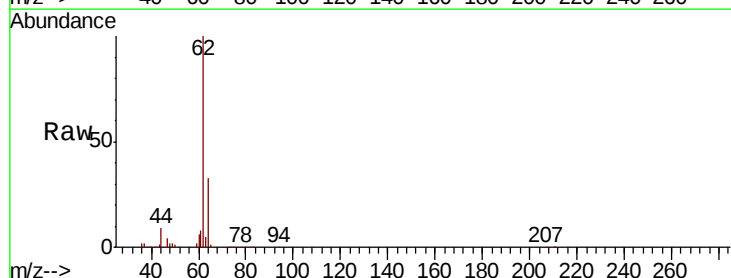
Acq: 21 Nov 2019 13:52

Tgt Ion: 62 Resp: 80550

Ion Ratio Lower Upper

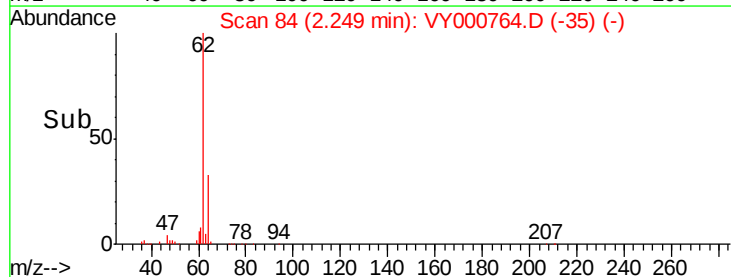
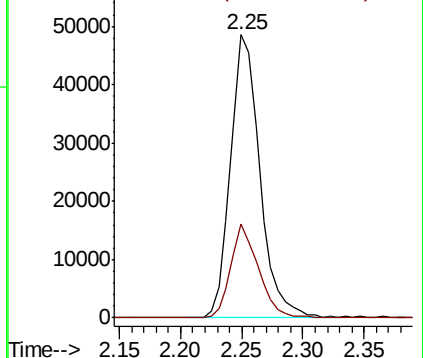
62 100

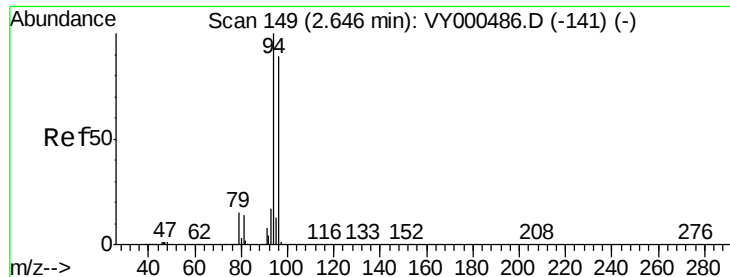
64 33.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.176 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

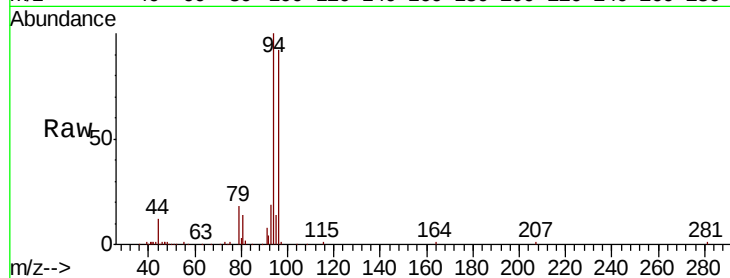
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 51146

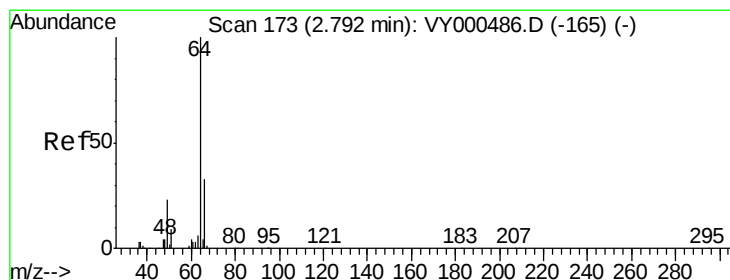
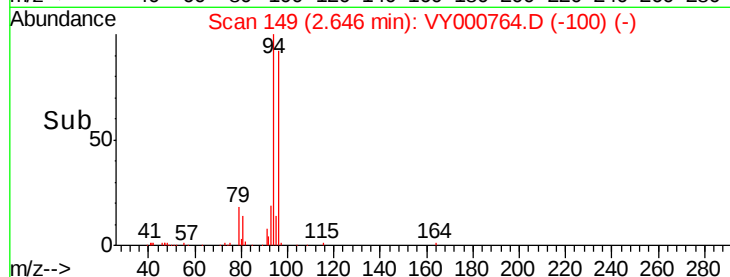
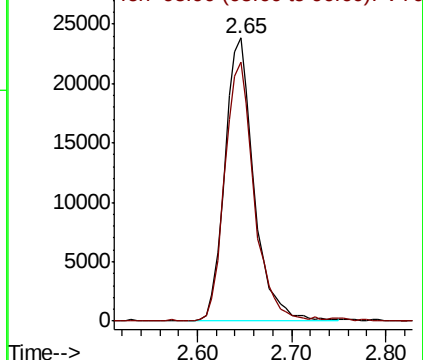
Ion Ratio Lower Upper

94 100

96 91.6 71.2 106.8



Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.925 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000764.D

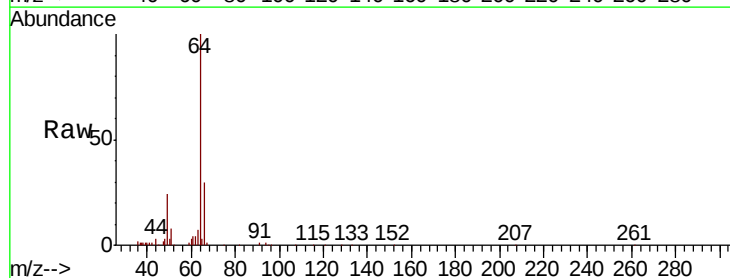
Acq: 21 Nov 2019 13:52

Tgt Ion: 64 Resp: 52717

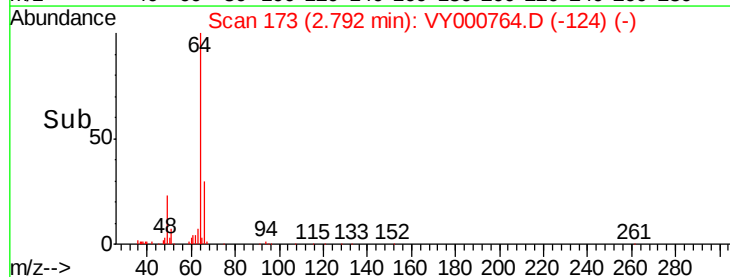
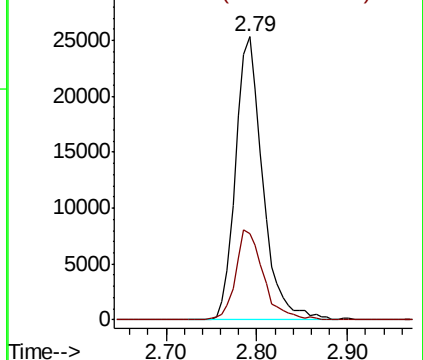
Ion Ratio Lower Upper

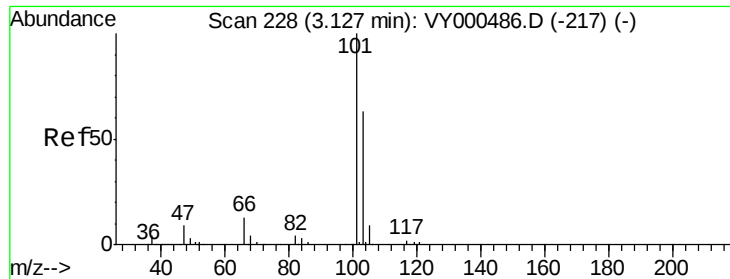
64 100

66 30.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



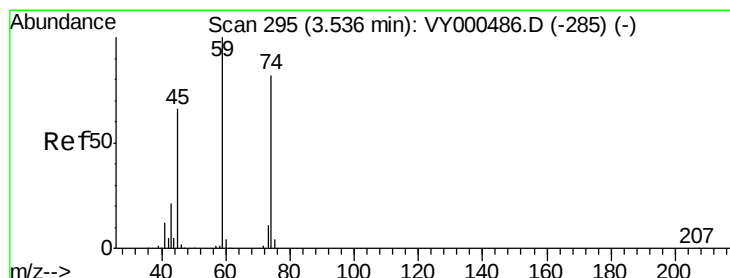
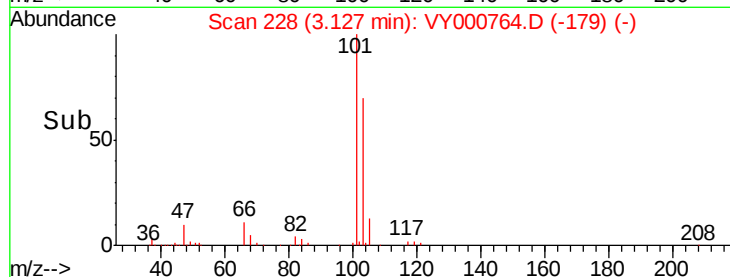
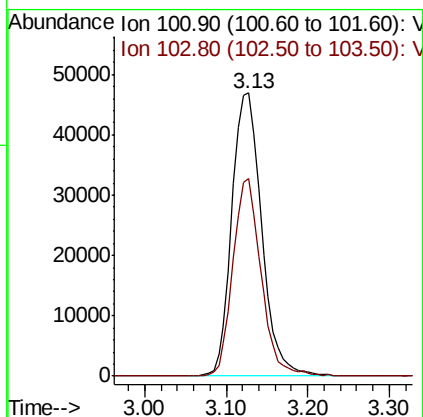
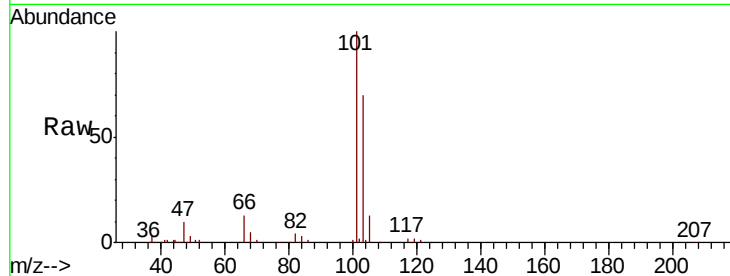


#7

Trichlorofluoromethane
 Concen: 20.765 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Instrument :
 MSVOA_Y
 ClientSampled :

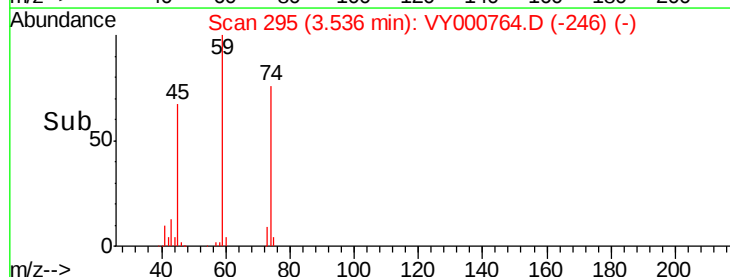
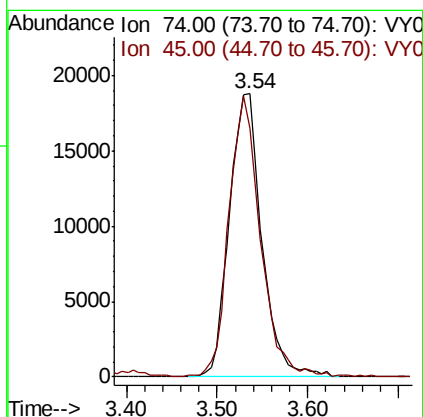
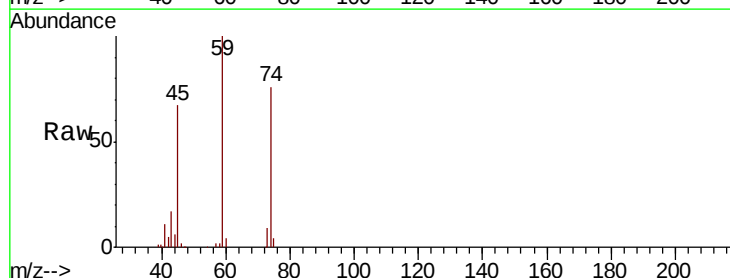
Tot Ion:101 Resp: 118547
 Ion Ratio Lower Upper
 101 100
 103 69.7 50.5 75.7

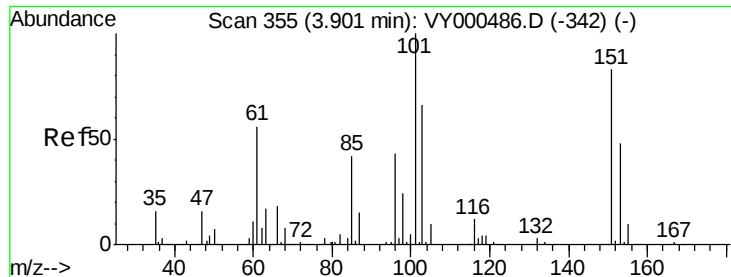


#8

Diethyl Ether
 Concen: 22.985 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 74 Resp: 46626
 Ion Ratio Lower Upper
 74 100
 45 96.3 45.5 136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.959 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

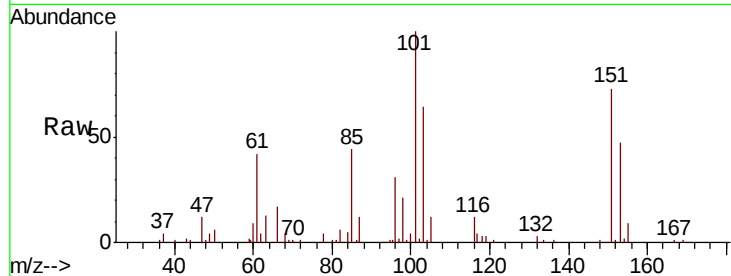
Tot Ion:101 Resp: 75792

Ion Ratio Lower Upper

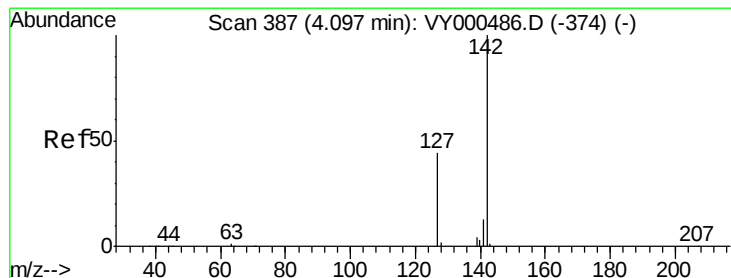
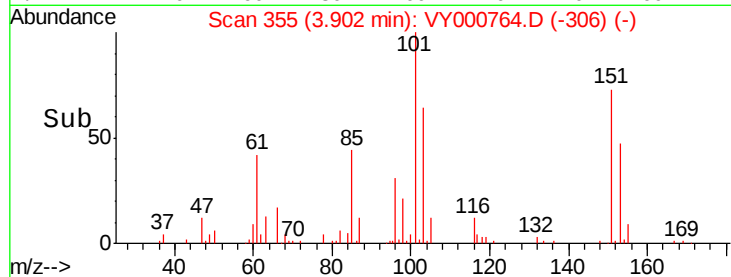
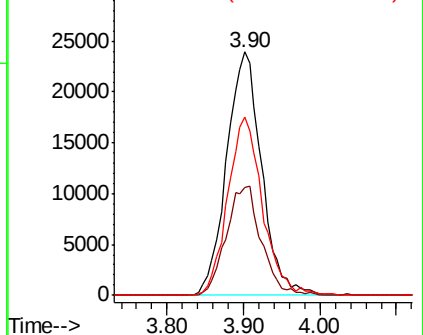
101 100

85 45.1 36.7 55.1

151 72.8 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.001 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

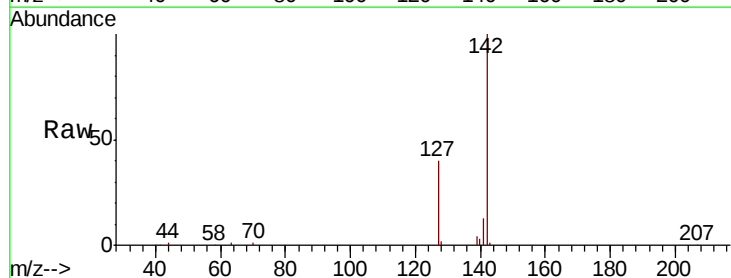
Tgt Ion:142 Resp: 86404

Ion Ratio Lower Upper

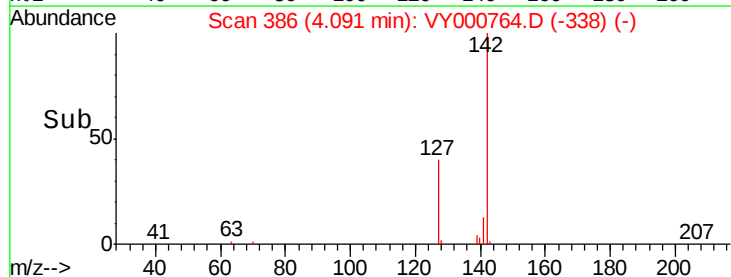
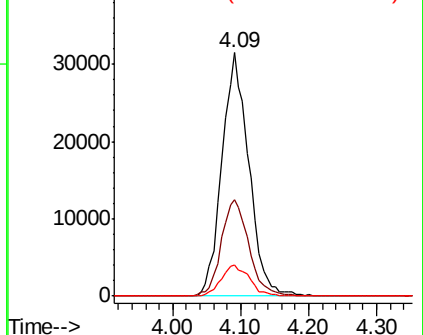
142 100

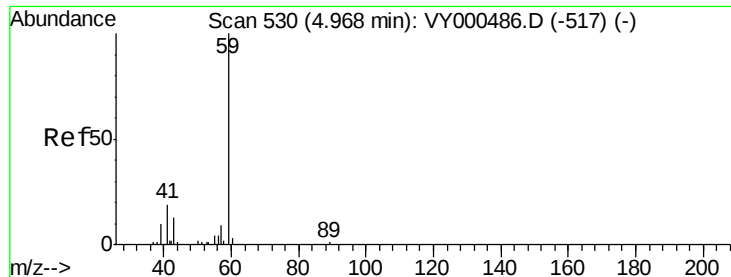
127 40.3 33.7 50.5

141 13.2 10.9 16.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



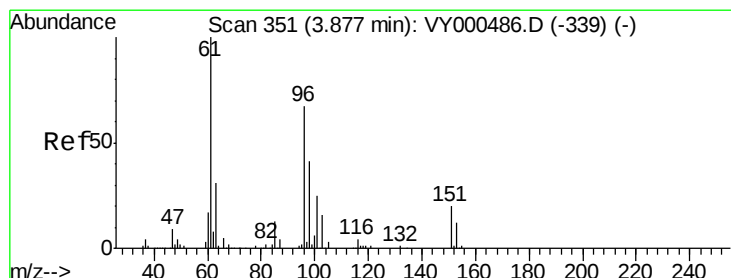
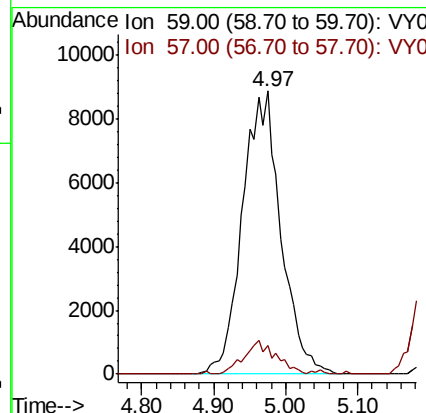
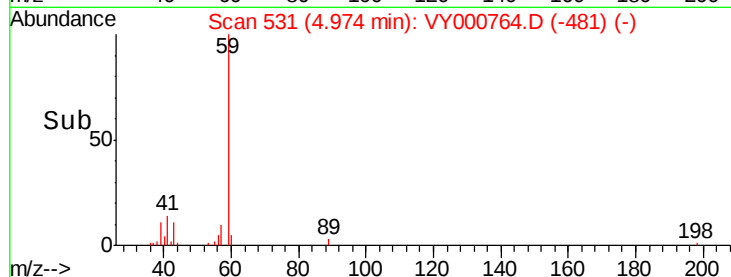
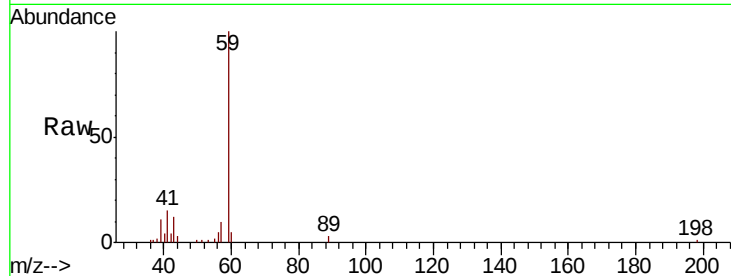


#11

Tert butyl alcohol
 Concen: 96.999 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :

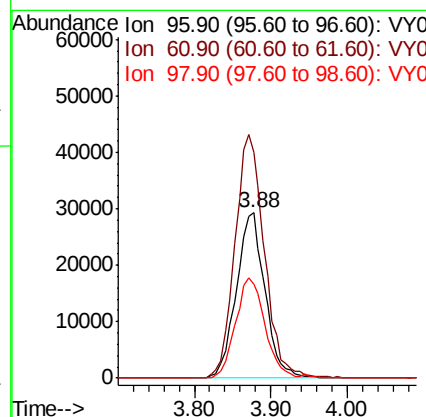
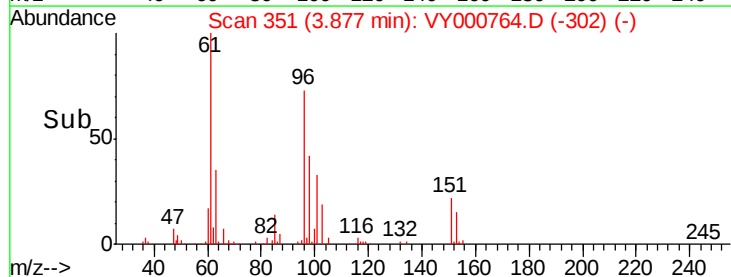
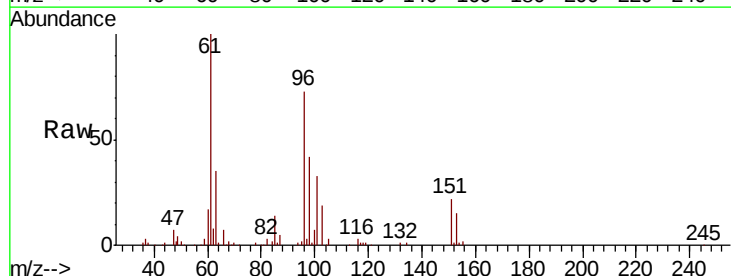
Tot Ion: 59 Resp: 32803
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.6 12.8

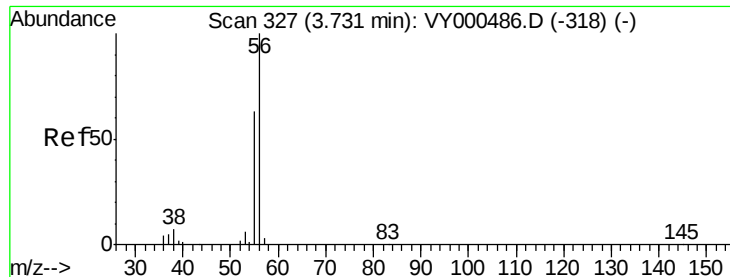


#12

1,1-Dichloroethene
 Concen: 22.641 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 96 Resp: 75922
 Ion Ratio Lower Upper
 96 100
 61 136.9 119.2 178.8
 98 57.1 48.6 73.0





#13

Acrolein

Concen: 80.537 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

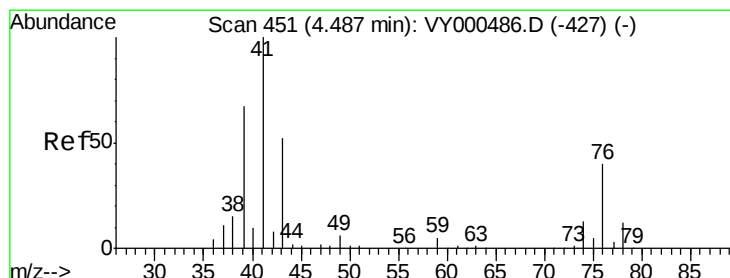
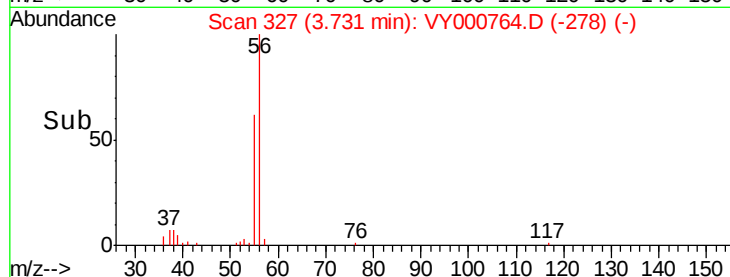
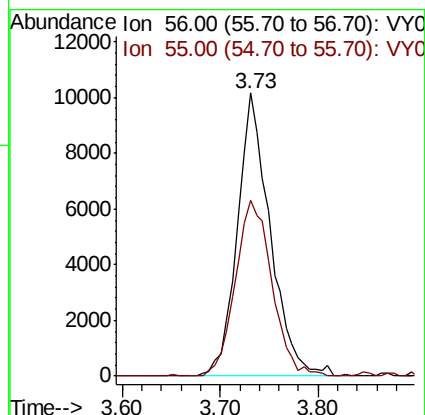
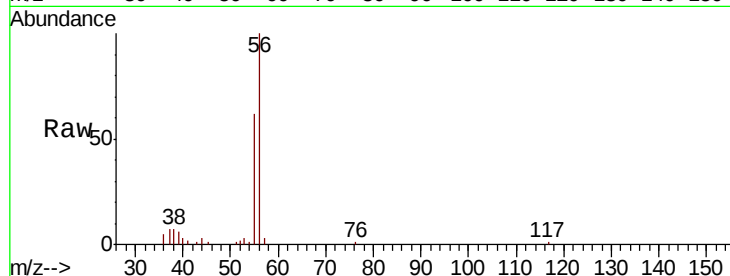
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 23724

Ion Ratio Lower Upper

56 100

55 68.8 57.0 85.6



#14

Allyl chloride

Concen: 23.065 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

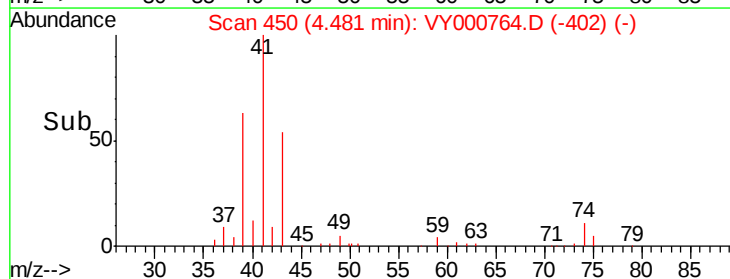
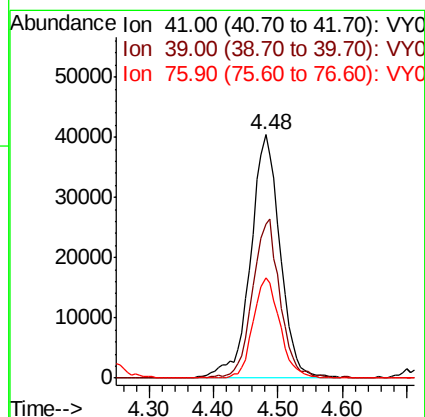
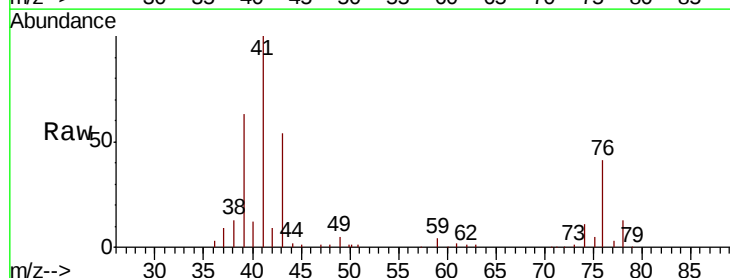
Tgt Ion: 41 Resp: 125765

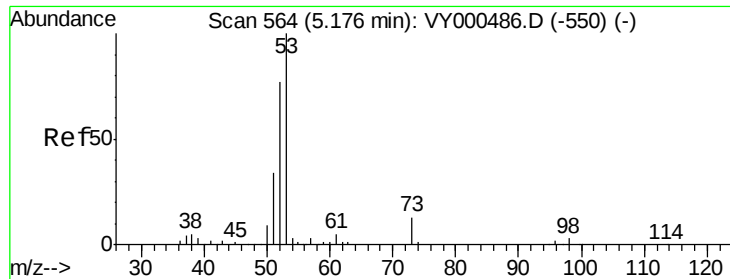
Ion Ratio Lower Upper

41 100

39 61.4 53.6 80.4

76 37.8 29.8 44.6

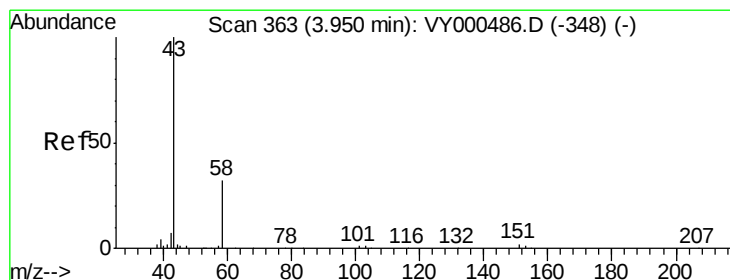
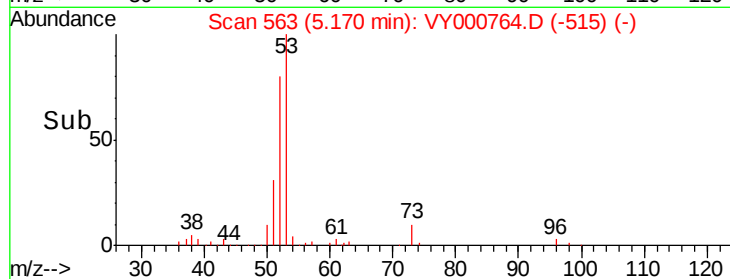
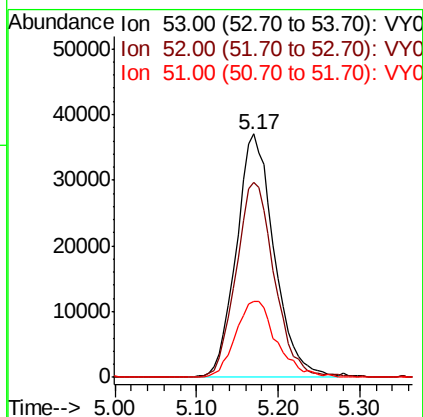
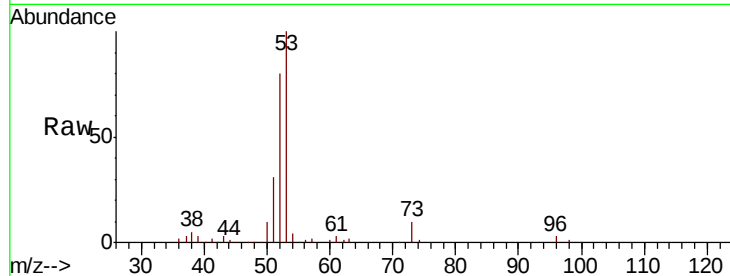




#15
 Acrylonitrile
 Concen: 114.866 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

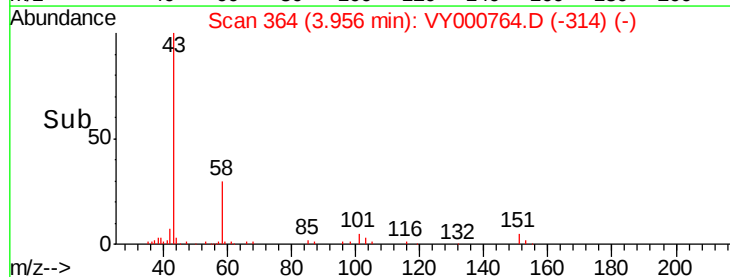
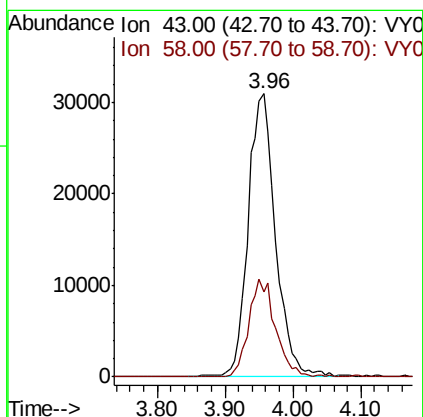
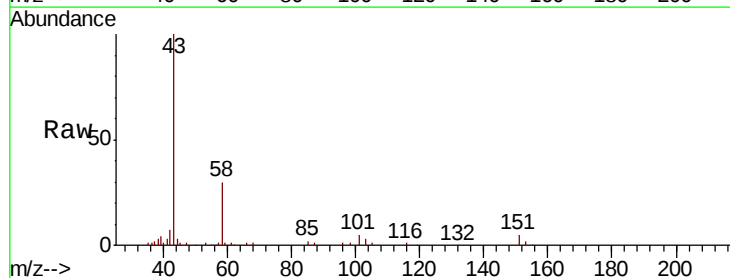
Instrument :
 MSVOA_Y
 ClientSampleId :

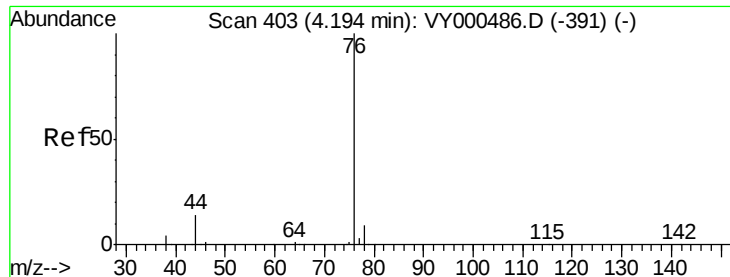
Tot Ion: 53 Resp: 119364
 Ion Ratio Lower Upper
 53 100
 52 81.3 64.9 97.3
 51 34.0 27.6 41.4



#16
 Acetone
 Concen: 90.736 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 43 Resp: 86879
 Ion Ratio Lower Upper
 43 100
 58 30.2 25.8 38.6

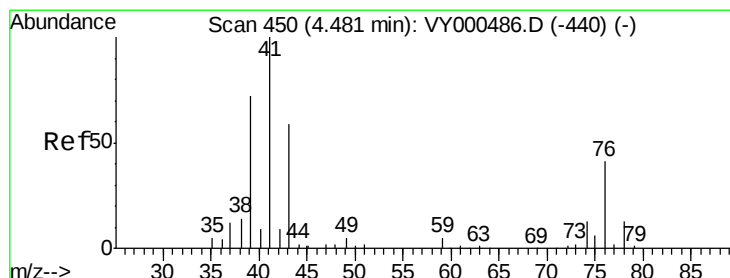
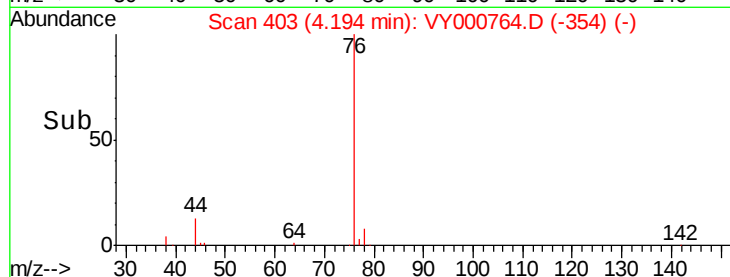
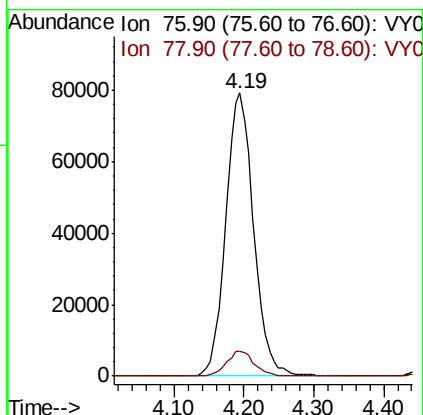
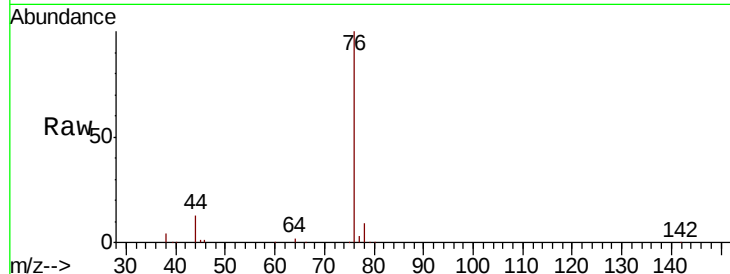




#17
Carbon Disulfide
Concen: 20.651 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

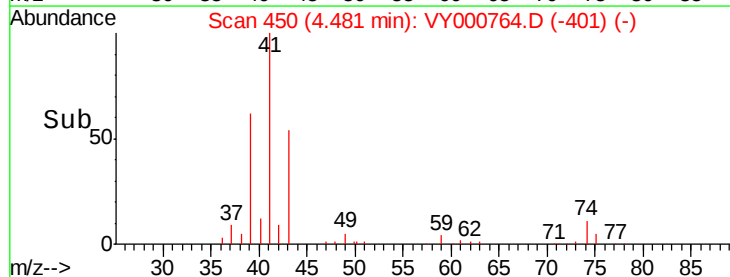
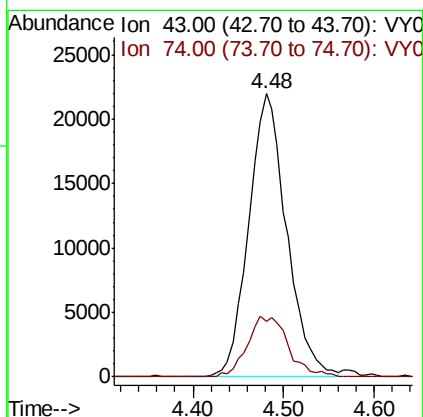
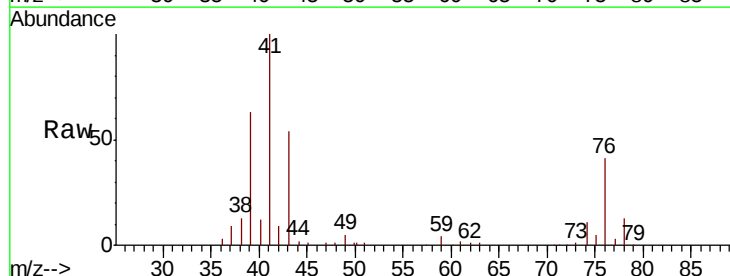
Instrument :
MSVOA_Y
ClientSampleId :

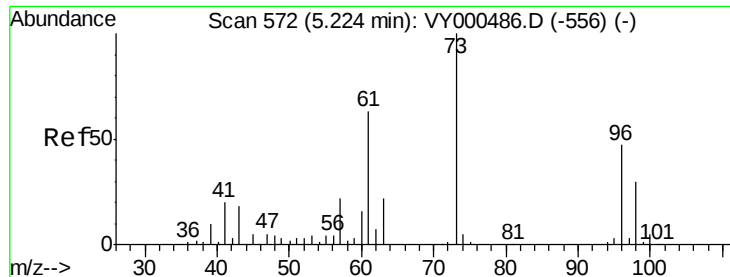
Tot Ion: 76 Resp: 218414
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#18
Methyl Acetate
Concen: 21.326 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 43 Resp: 63490
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8

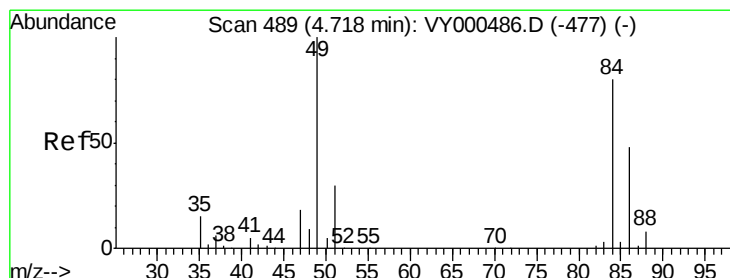
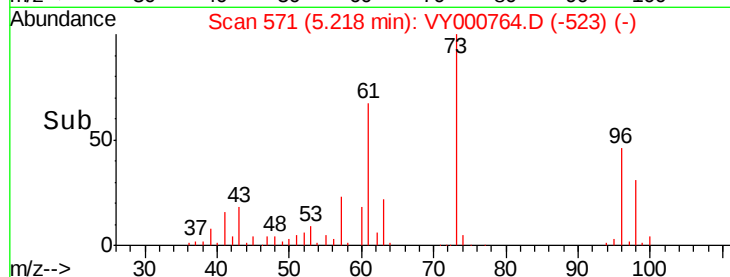
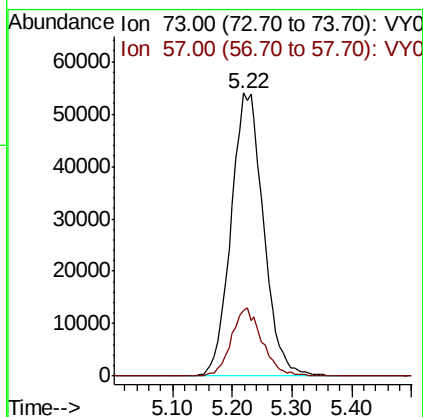
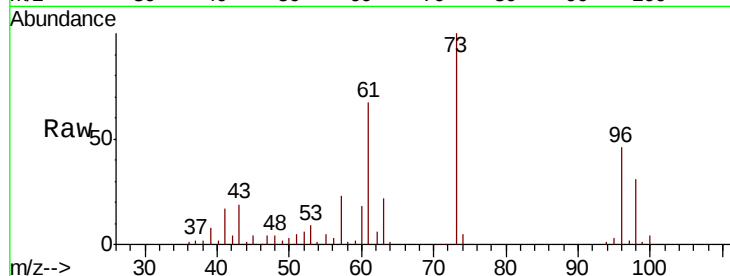




#19
Methvl tert-butvl Ether
Concen: 21.912 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

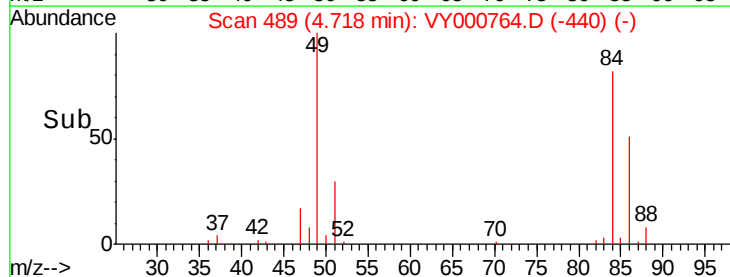
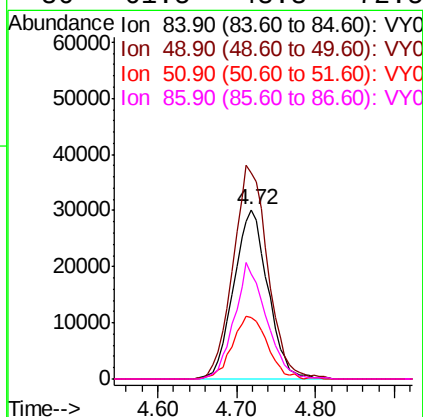
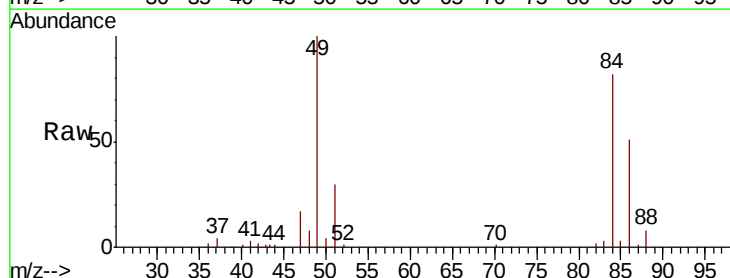
Instrument :
MSVOA_Y
ClientSampled :

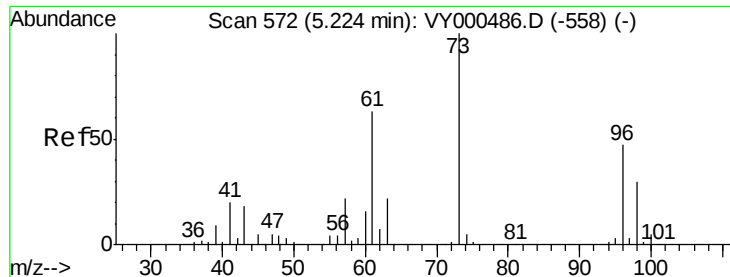
Tot Ion: 73 Resp: 204294
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0



#20
Methylene Chloride
Concen: 22.193 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 84 Resp: 91054
Ion Ratio Lower Upper
84 100
49 121.5 100.2 150.4
51 36.6 29.6 44.4
86 61.5 48.3 72.5

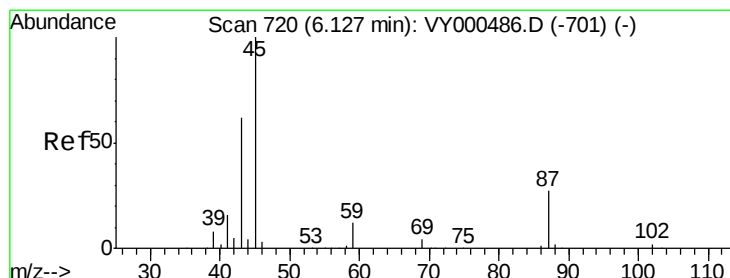
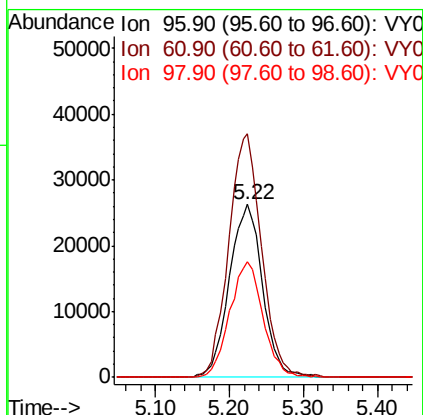
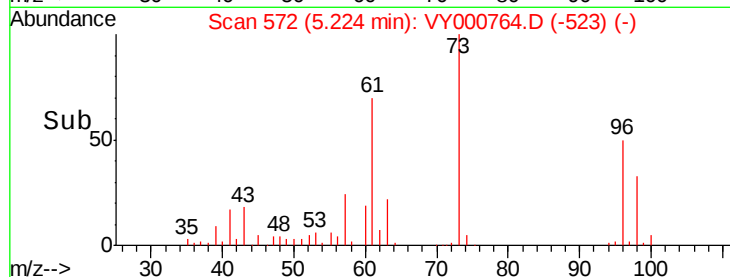
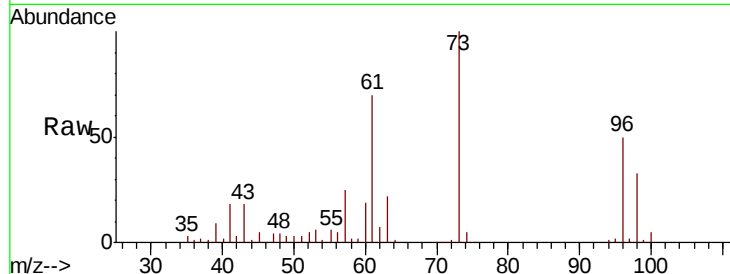




#21
trans-1,2-Dichloroethene
Concen: 21.593 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

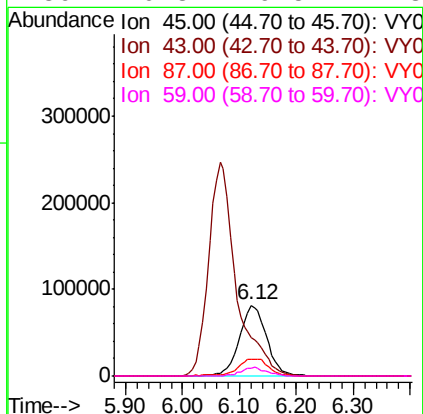
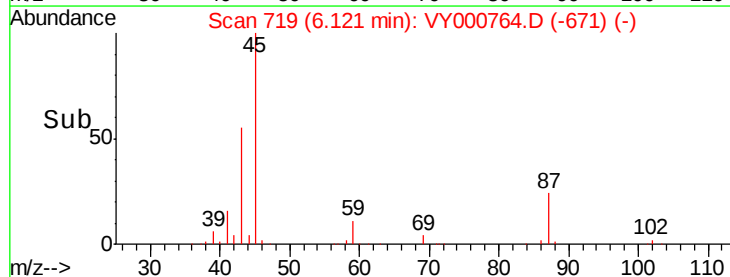
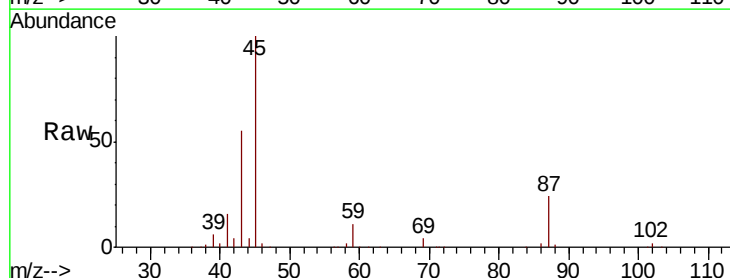
Instrument :
MSVOA_Y
ClientSampleId :

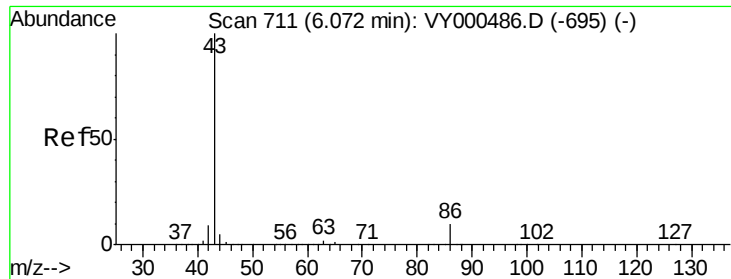
Tot Ion: 96 Resp: 81860
Ion Ratio Lower Upper
96 100
61 140.8 106.6 160.0
98 66.8 50.6 76.0



#22
Diisopropyl ether
Concen: 22.826 ug/l
RT: 6.12 min Scan# 719
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 45 Resp: 270525
Ion Ratio Lower Upper
45 100
43 54.5 50.0 75.0
87 23.8 21.6 32.4
59 10.8 9.5 14.3





#23

Vinyl Acetate

Concen: 111.537 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

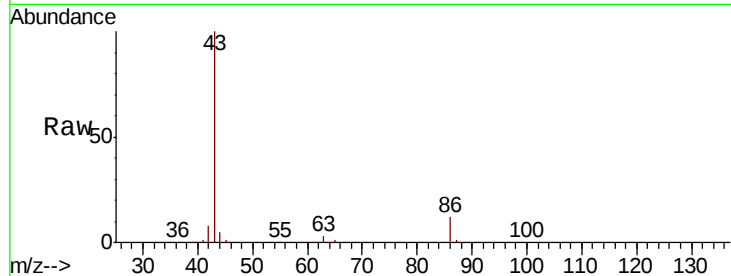
ClientSampled :

Tot Ion: 43 Resp: 834447

Ion Ratio Lower Upper

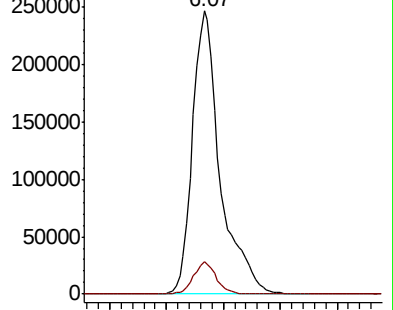
43 100

86 11.5 7.8 11.6

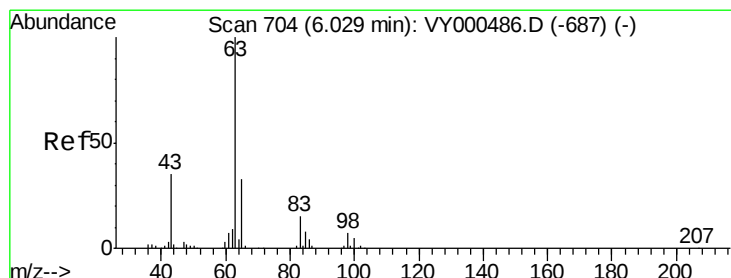
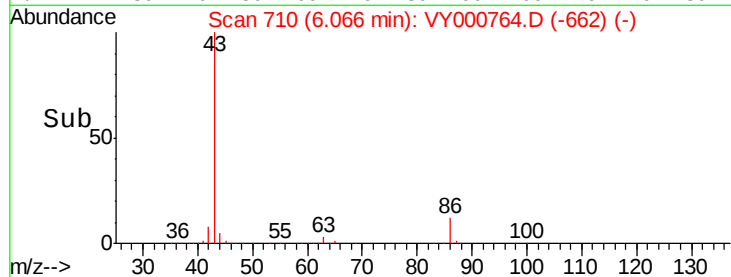


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 23.221 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

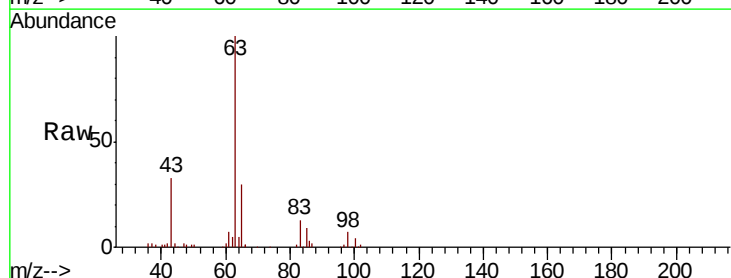
Tgt Ion: 63 Resp: 149088

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

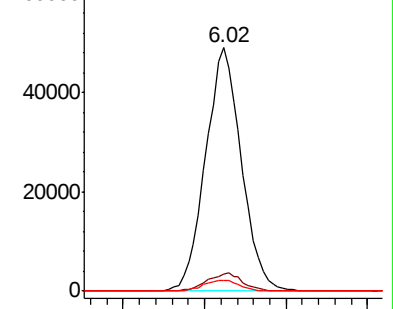
100 4.4 2.4 7.1



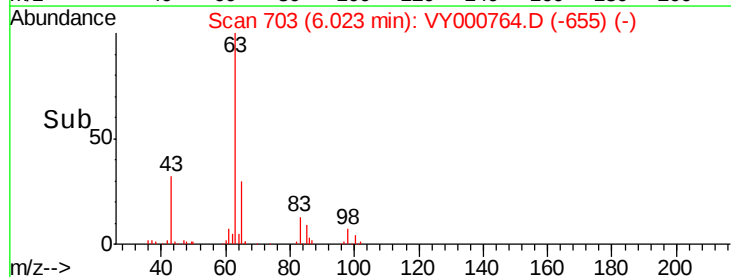
Abundance Ion 62.90 (62.60 to 63.60): VY0

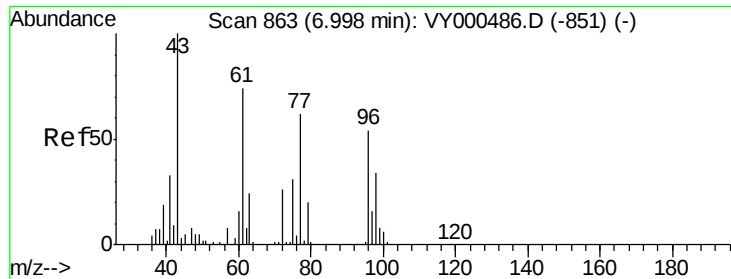
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 98.634 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

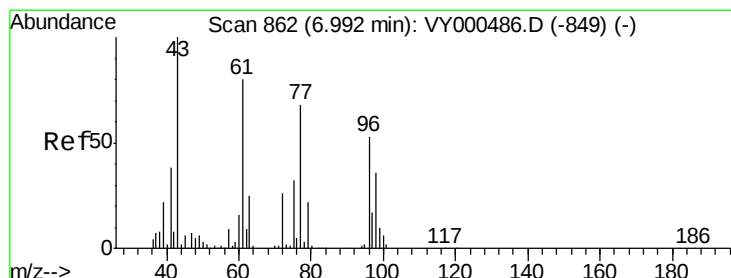
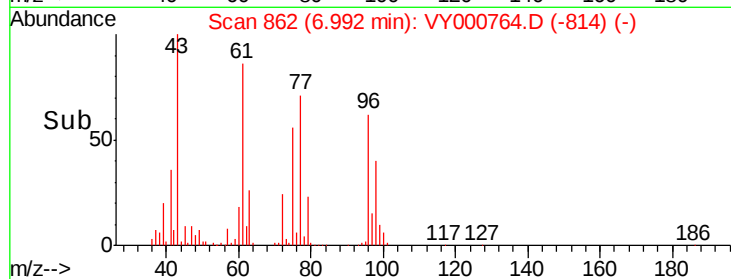
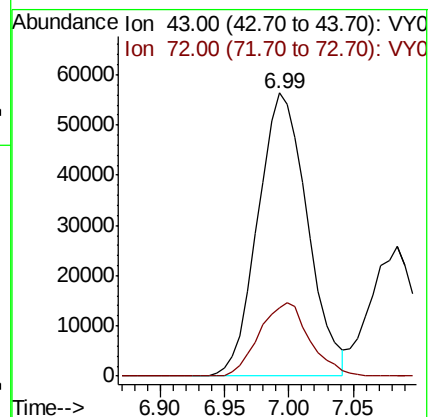
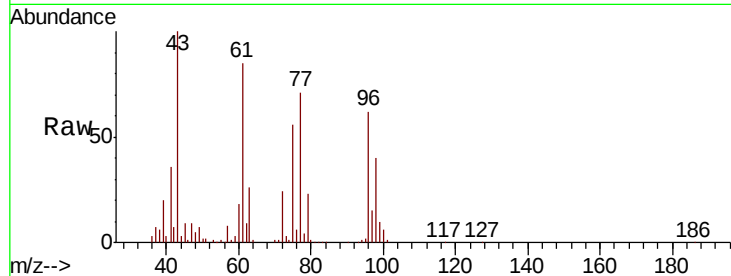
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 150722

Ion Ratio Lower Upper

43 100

72 24.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 21.592 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000764.D

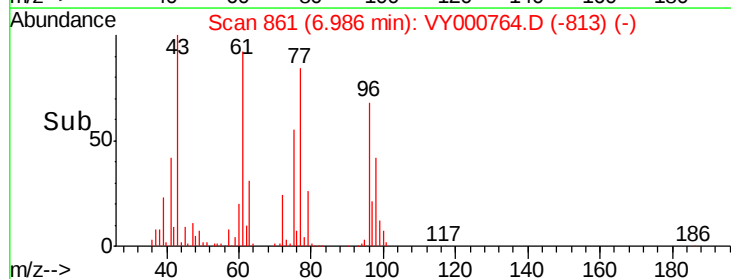
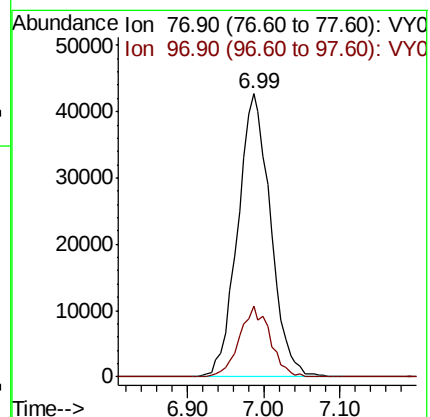
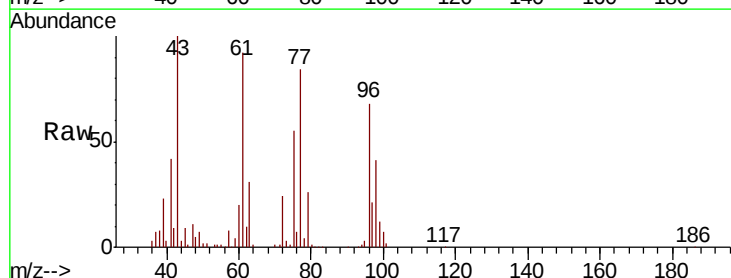
Acq: 21 Nov 2019 13:52

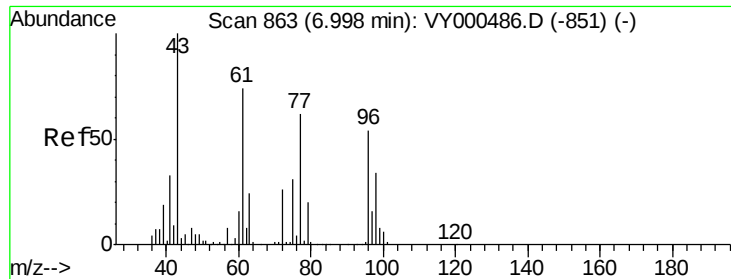
Tgt Ion: 77 Resp: 126688

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4



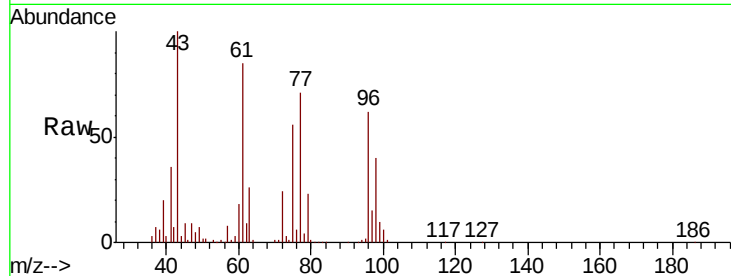


#27

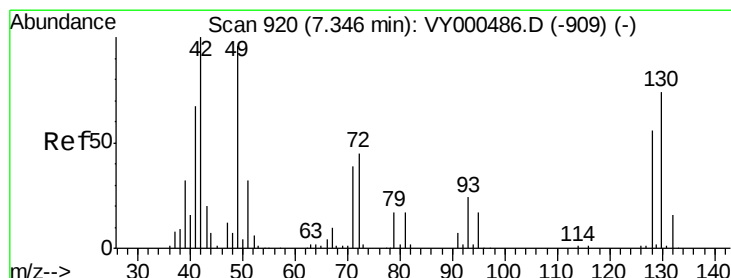
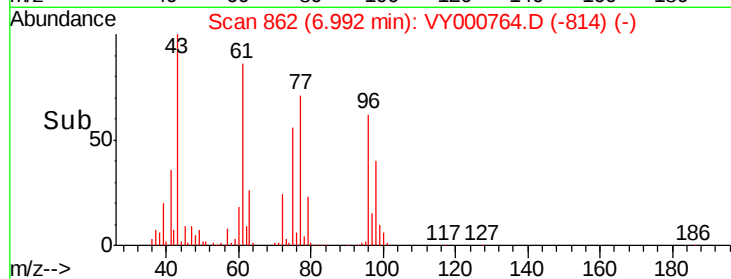
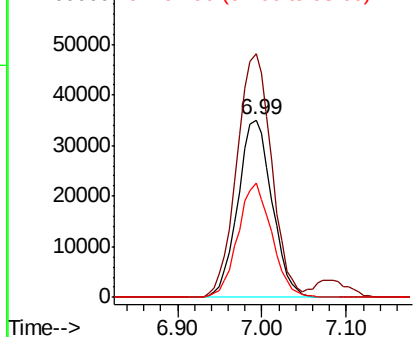
cis-1,2-Dichloroethene
Concen: 23.191 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 96135
Ion Ratio Lower Upper
96 100
61 139.6 0.0 287.0
98 63.7 0.0 129.4



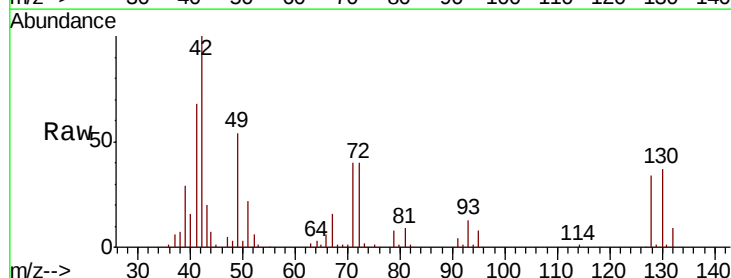
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



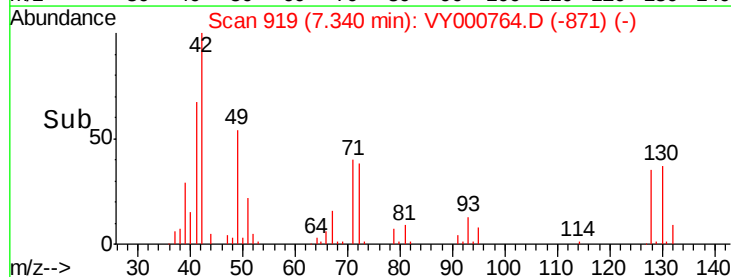
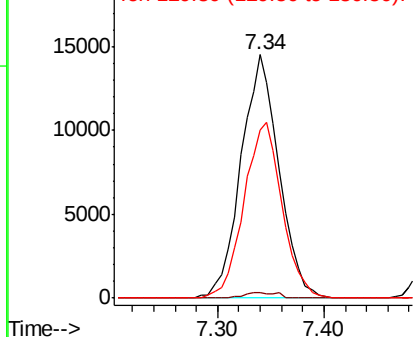
#28

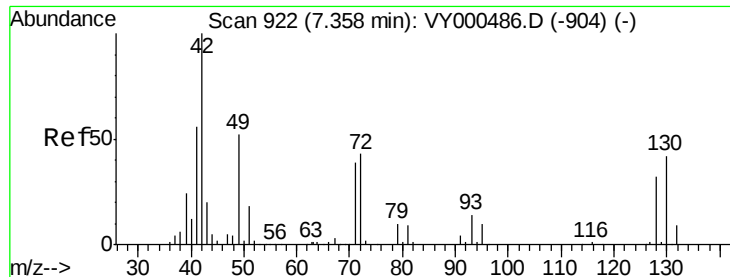
Bromochloromethane
Concen: 15.437 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 49 Resp: 36179
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 72.3 59.4 89.0



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

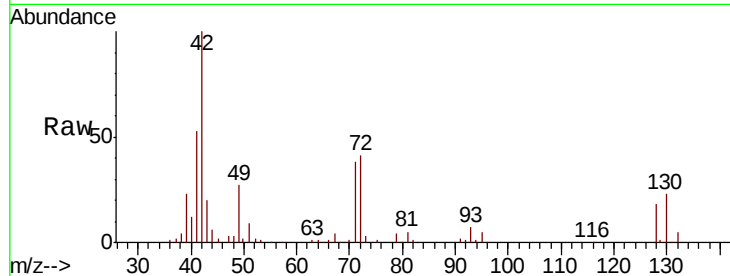




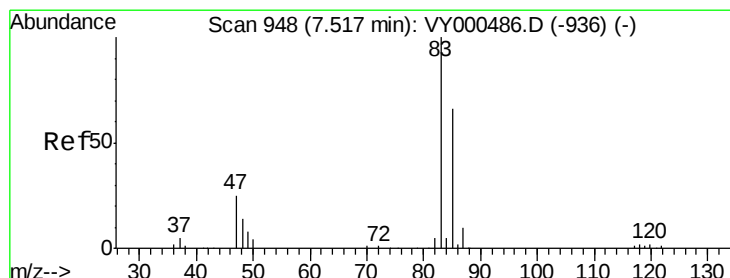
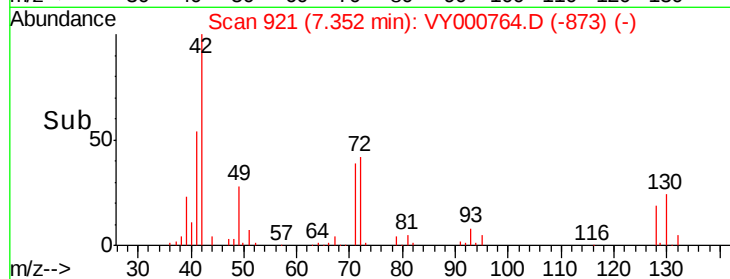
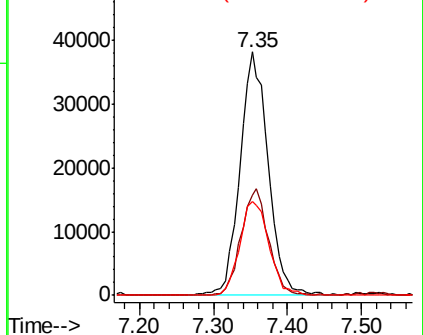
#29
Tetrahydrofuran
Concen: 108.605 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 101528
Ion Ratio Lower Upper
42 100
72 42.7 34.0 51.0
71 40.2 30.8 46.2

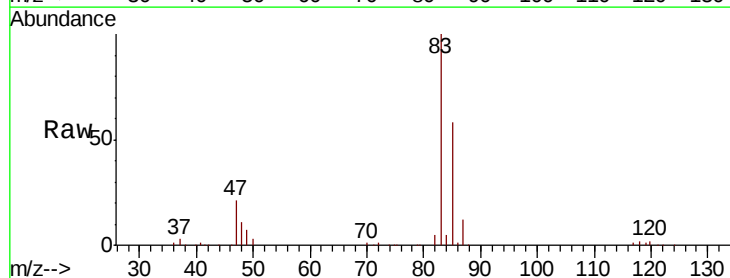


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

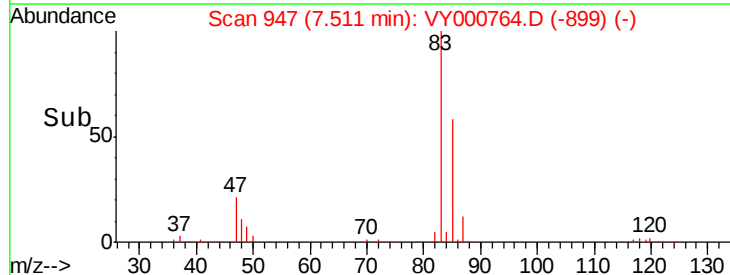
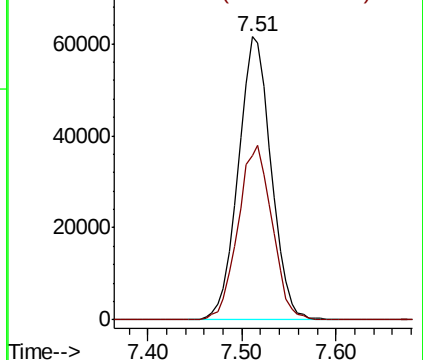


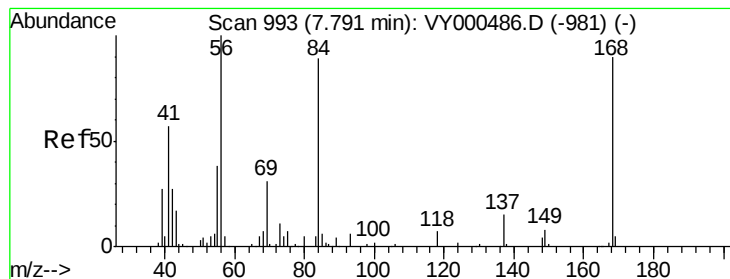
#30
Chloroform
Concen: 23.101 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 83 Resp: 150044
Ion Ratio Lower Upper
83 100
85 58.0 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 21.926 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

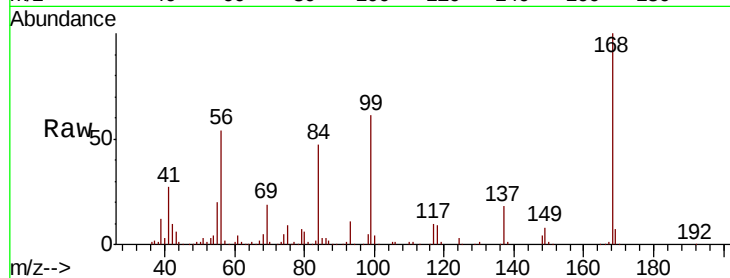
Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 147447

Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.0	37.6
84	85.8	71.4	107.2

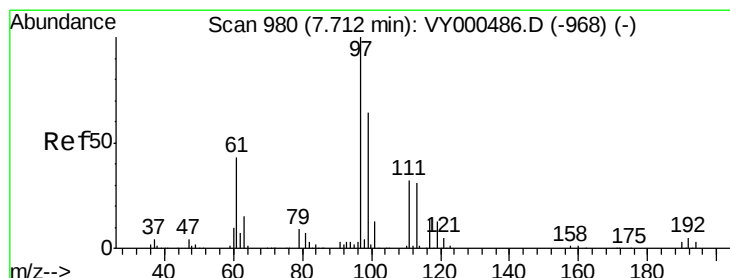
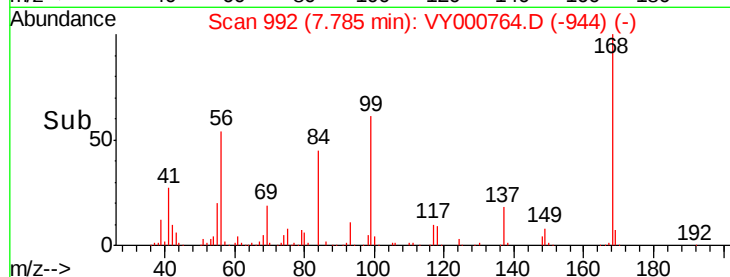
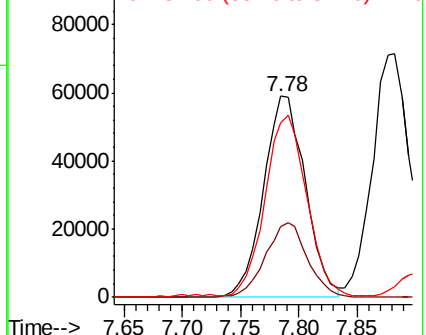


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.982 ug/l

RT: 7.71 min Scan# 979

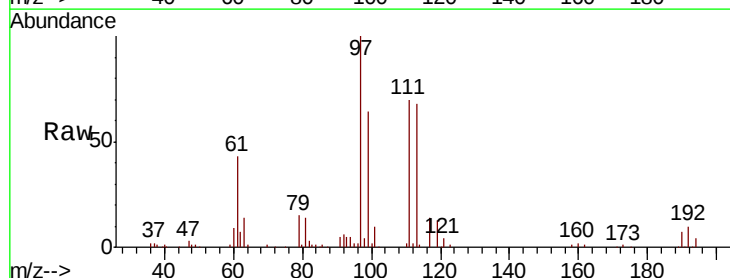
Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Tgt Ion: 97 Resp: 121458

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	41.4	34.9	52.3

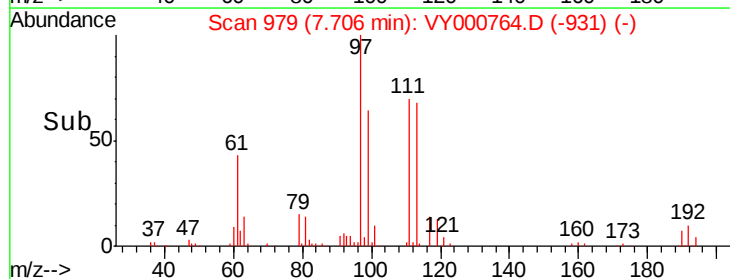
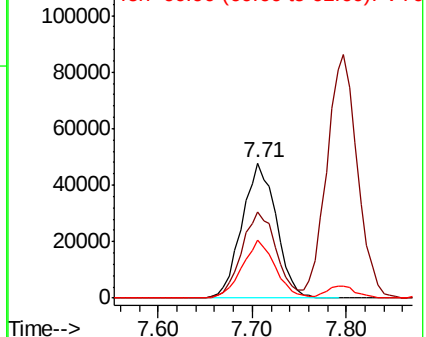


Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 49.140 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

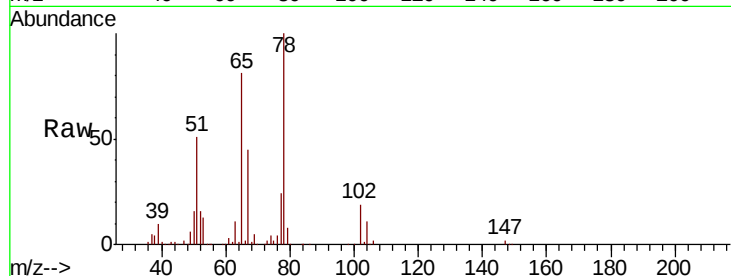
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 65 Resp: 170716

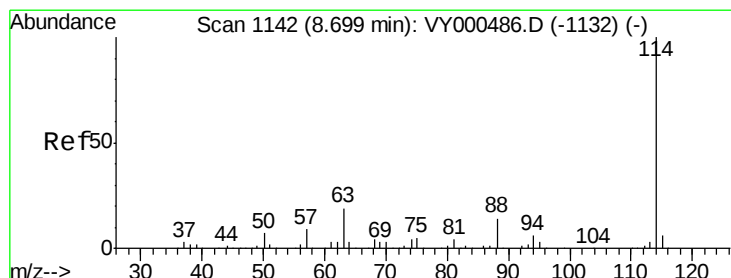
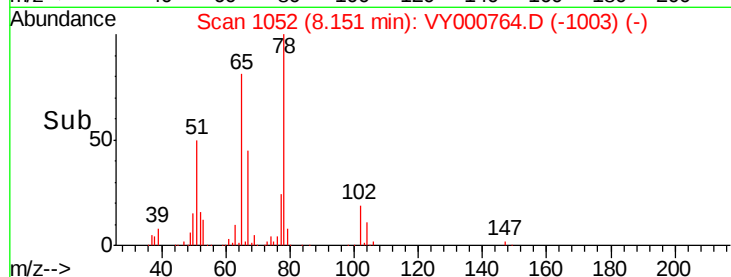
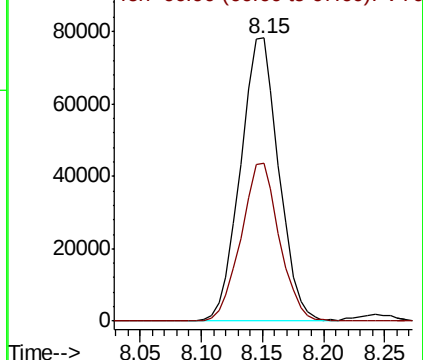
Ion Ratio Lower Upper

65 100

67 55.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

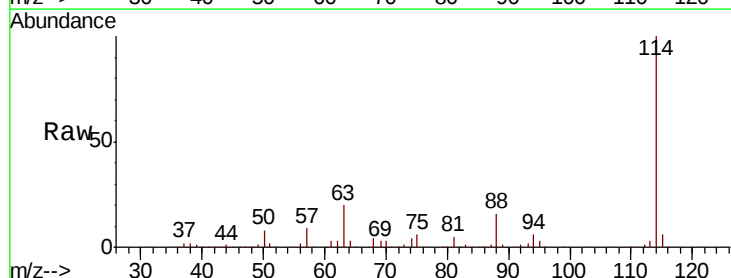
Tgt Ion:114 Resp: 587278

Ion Ratio Lower Upper

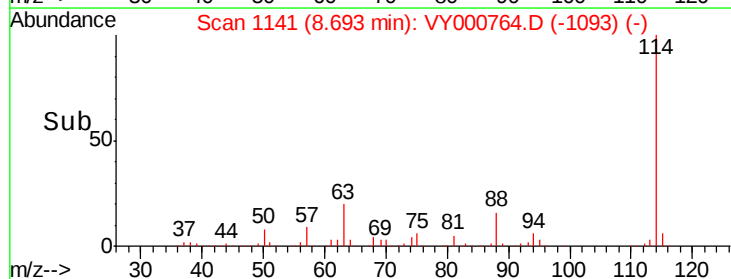
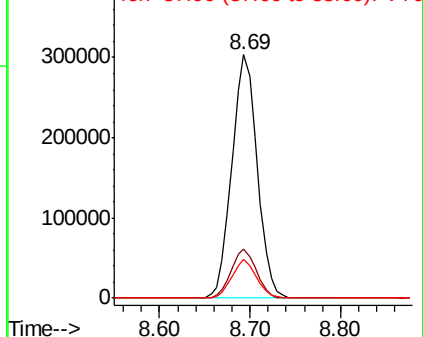
114 100

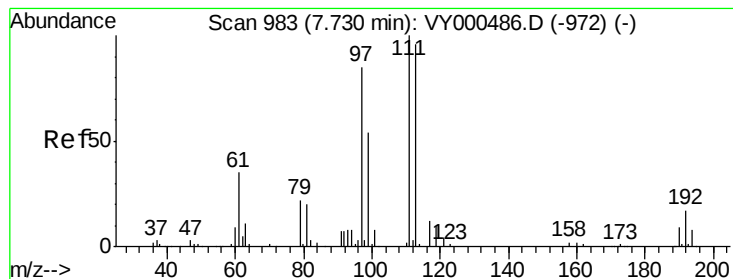
63 20.2 0.0 38.0

88 16.2 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.078 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

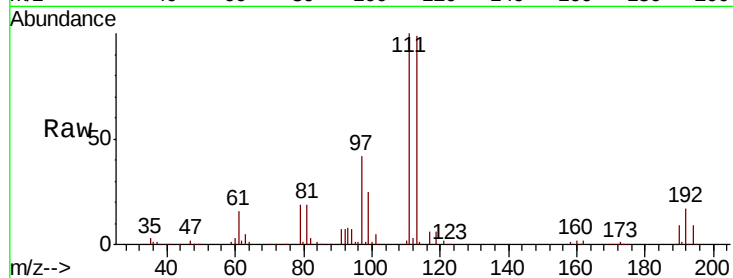
Tot Ion:113 Resp: 162310

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

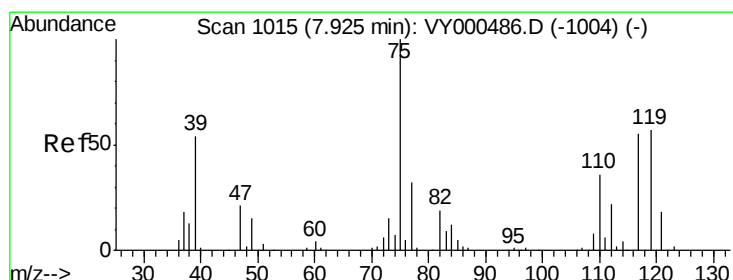
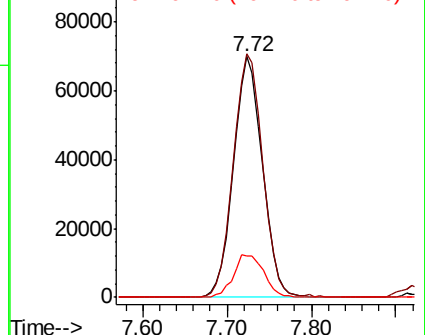
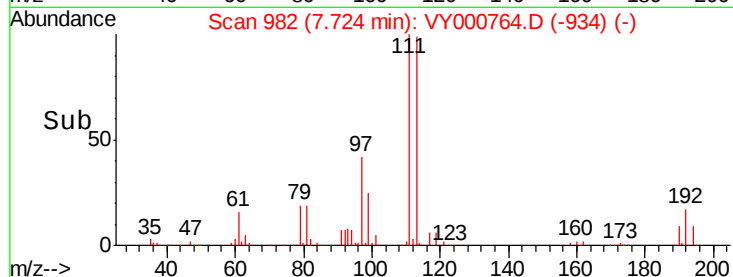
192 18.6 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.999 ug/l

RT: 7.92 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

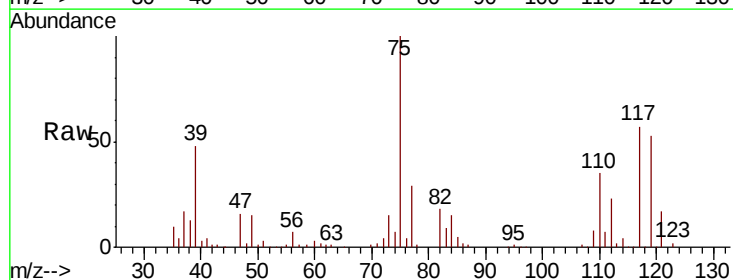
Tgt Ion: 75 Resp: 116584

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.1

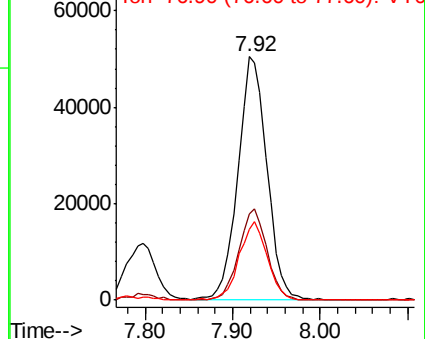
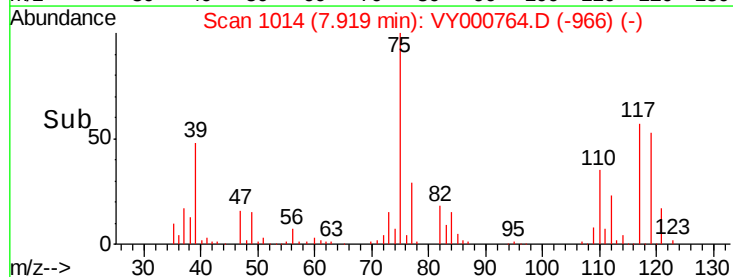
77 31.3 25.0 37.6

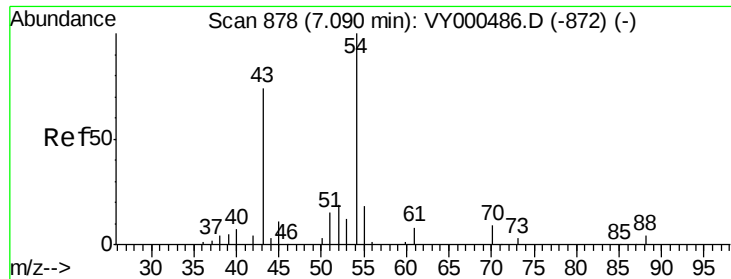


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

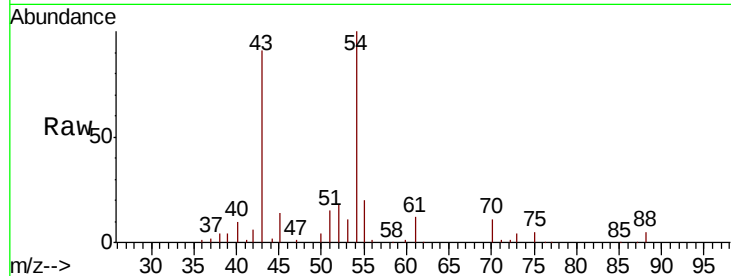




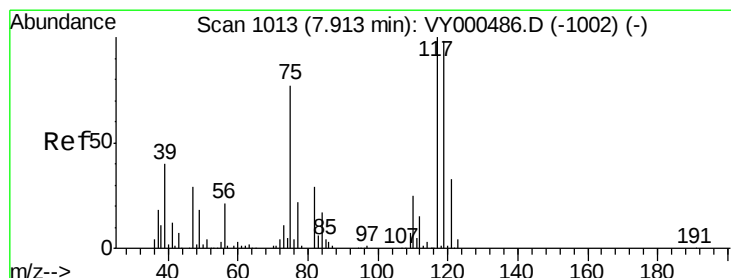
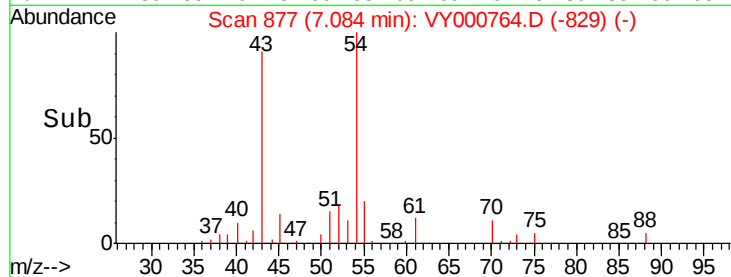
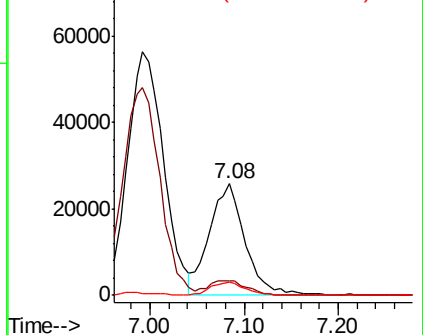
#37
Ethyl Acetate
Concen: 20.357 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 67099
Ion Ratio Lower Upper
43 100
61 15.1 10.2 15.2
70 11.8 7.8 11.8#

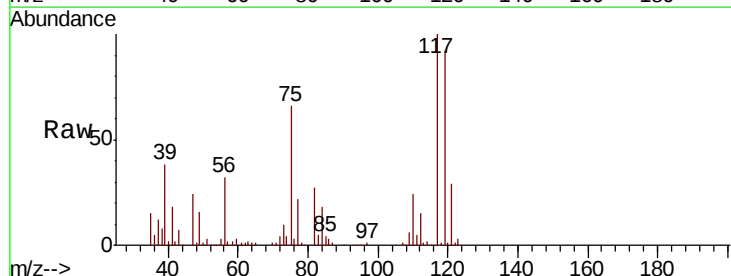


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

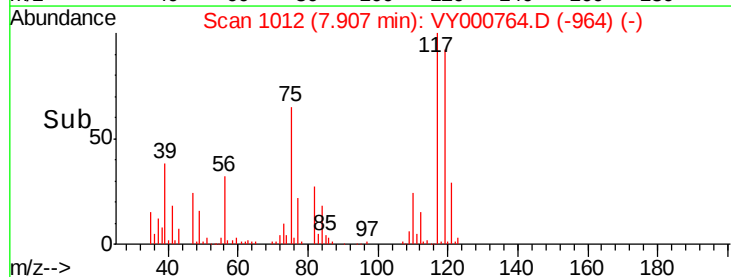
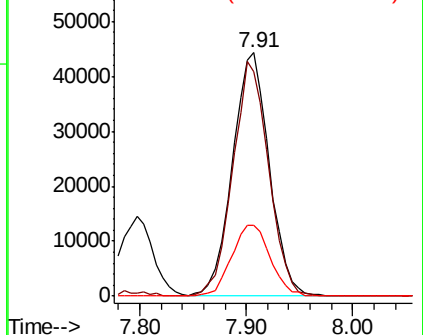


#38
Carbon Tetrachloride
Concen: 20.122 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 117 Resp: 107495
Ion Ratio Lower Upper
117 100
119 92.3 78.0 117.0
121 29.0 26.6 40.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

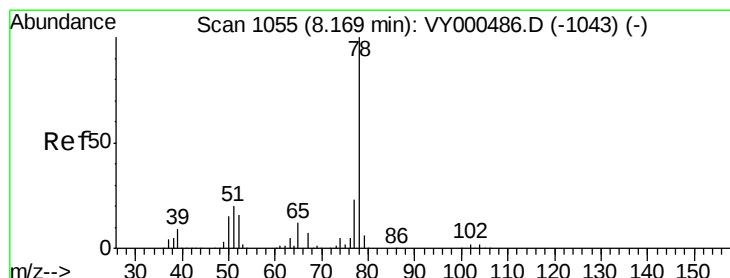
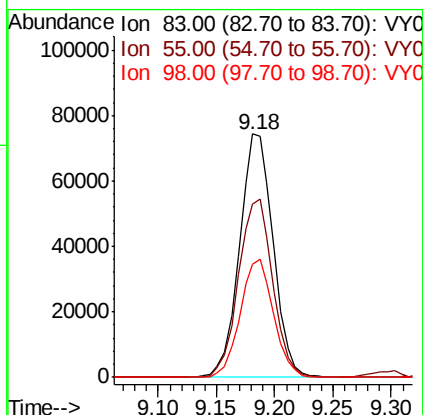
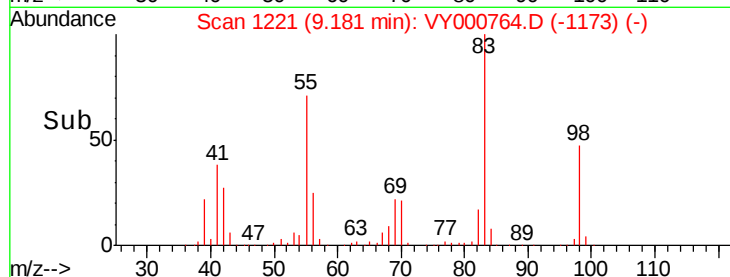
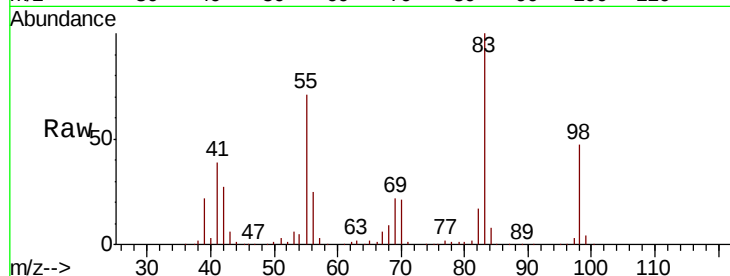




#39
Methvlcvclohexane
Concen: 20.830 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

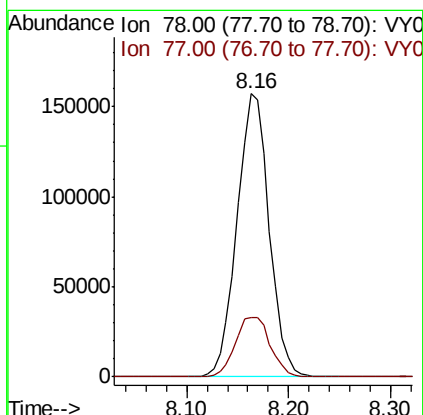
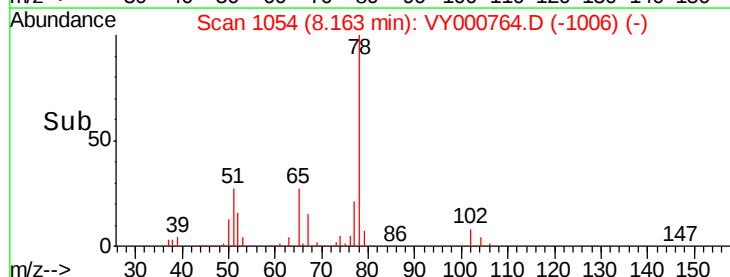
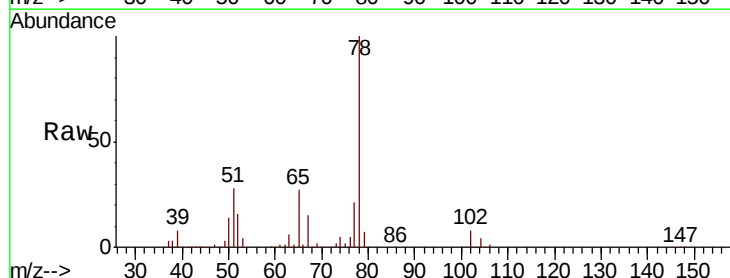
Instrument :
MSVOA_Y
ClientSampleId :

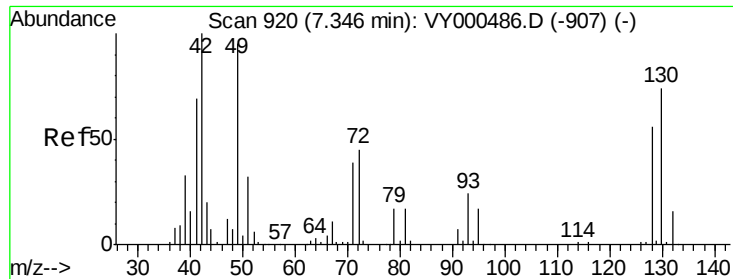
Tot Ion: 83 Resp: 149401
Ion Ratio Lower Upper
83 100
55 71.2 57.5 86.3
98 46.7 38.0 57.0



#40
Benzene
Concen: 21.058 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 78 Resp: 342753
Ion Ratio Lower Upper
78 100
77 21.2 18.6 28.0

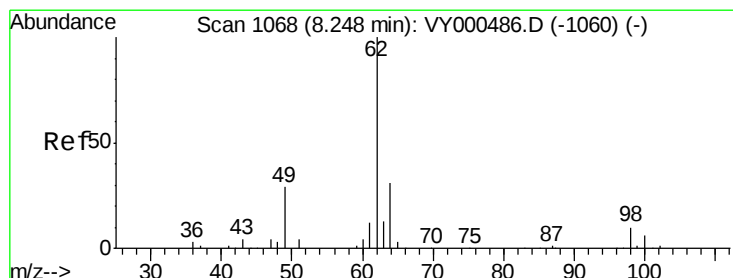
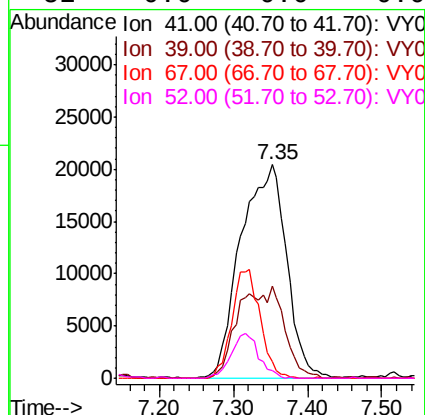
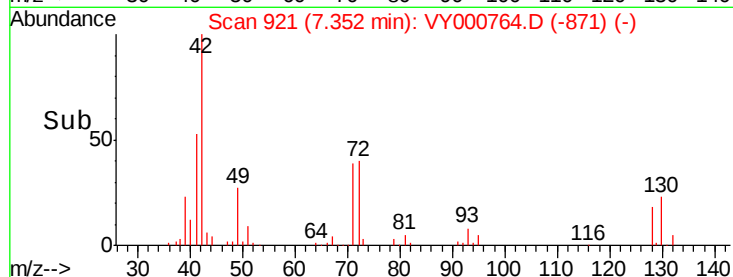
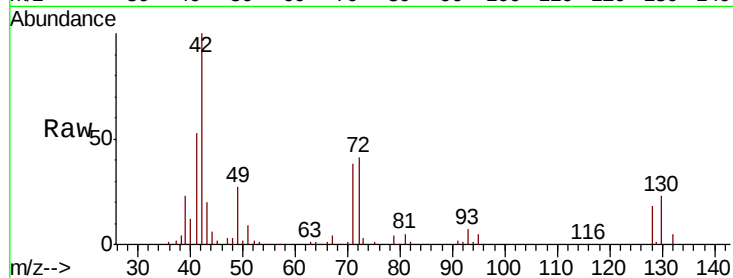




#41
Methacrylonitrile
Concen: 47.870 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

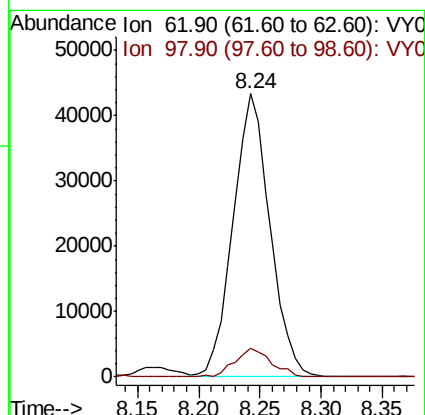
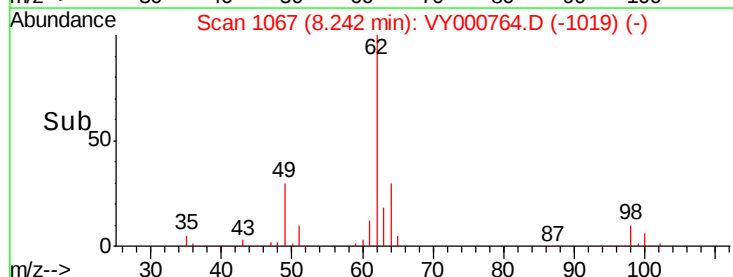
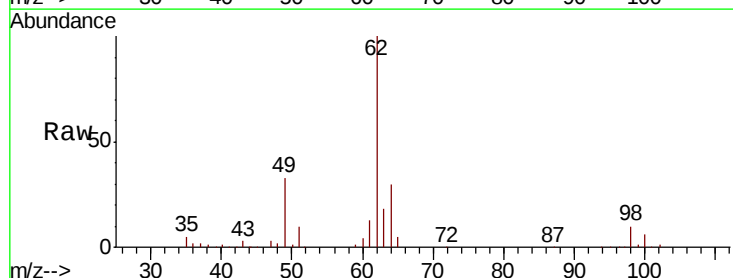
Instrument :
MSVOA_Y
ClientSampled :

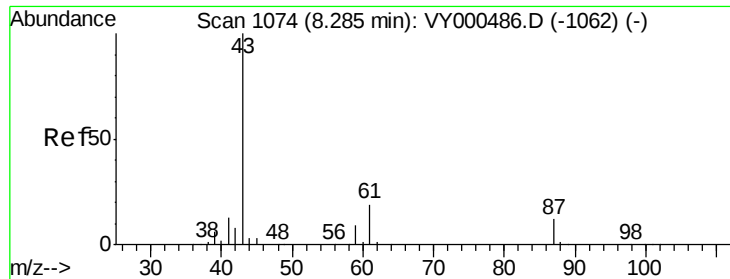
Tot Ion: 41 Resp: 88022
Ion Ratio Lower Upper
41 100
39 0.0 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.633 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 62 Resp: 90634
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 20.668 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

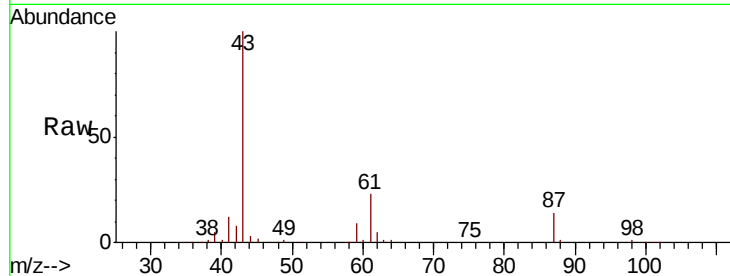
Tot Ion: 43 Resp: 127970

Ion Ratio Lower Upper

43 100

61 29.4 23.0 34.4

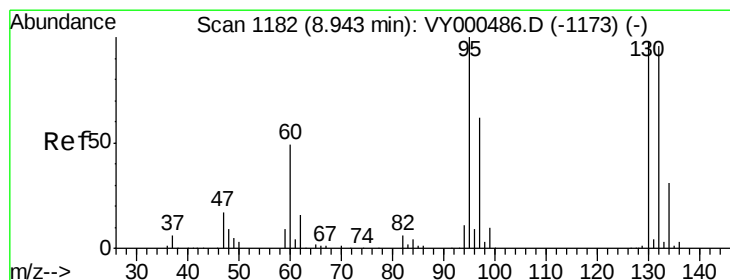
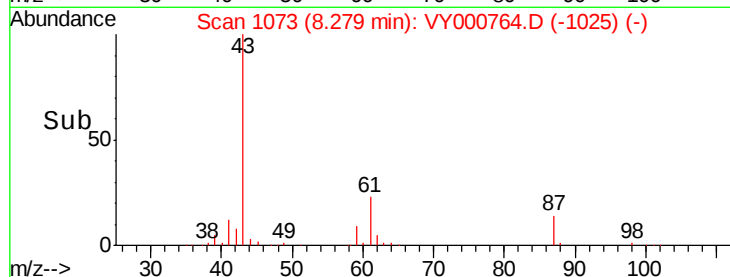
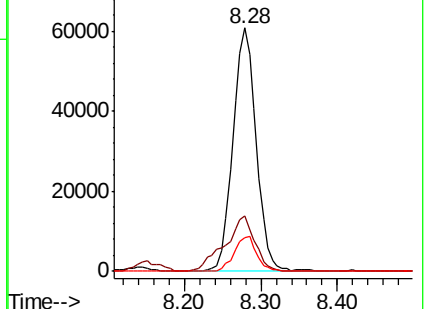
87 13.8 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VY000764.D (-1062) (-)

Ion 61.00 (60.70 to 61.70): VY000764.D (-1062) (-)

Ion 87.00 (86.70 to 87.70): VY000764.D (-1062) (-)



#44

Trichloroethene

Concen: 20.773 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000764.D

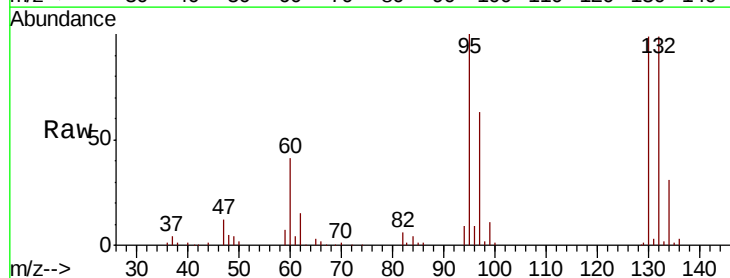
Acq: 21 Nov 2019 13:52

Tgt Ion:130 Resp: 89148

Ion Ratio Lower Upper

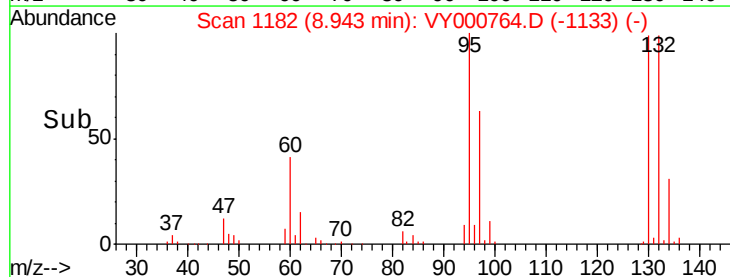
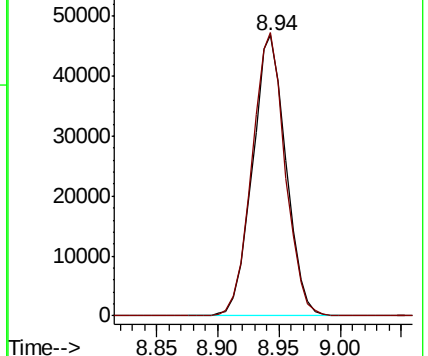
130 100

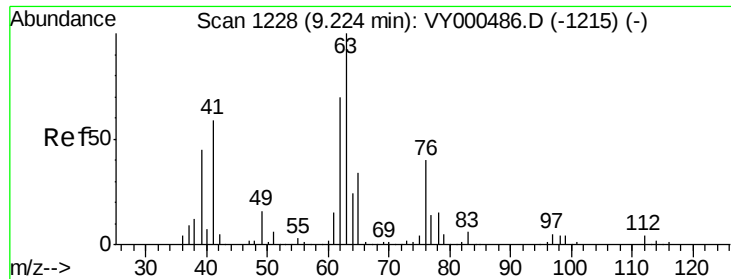
95 100.9 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): VY000764.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY000764.D (-1133) (-)

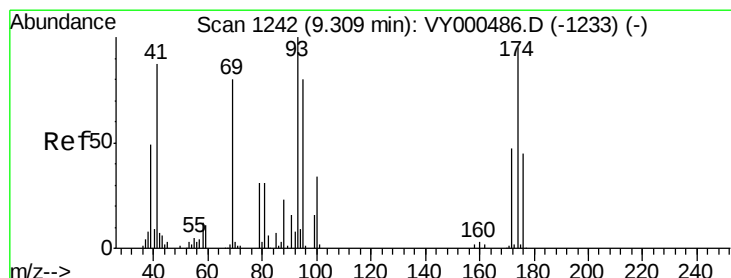
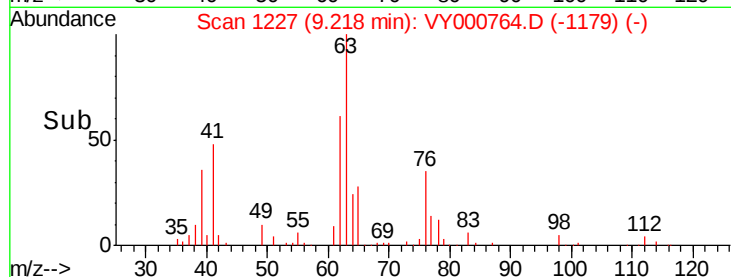
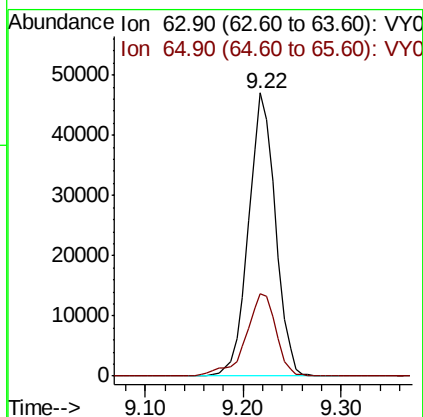
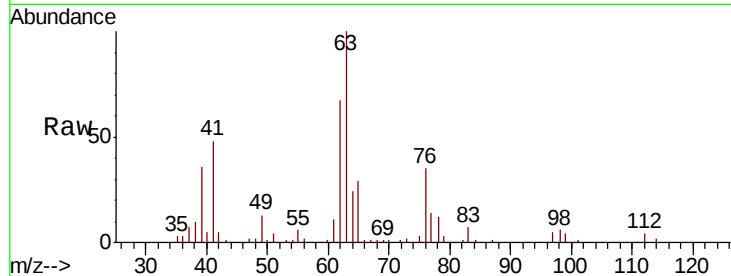




#45
 1,2-Dichloropropane
 Concen: 22.367 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

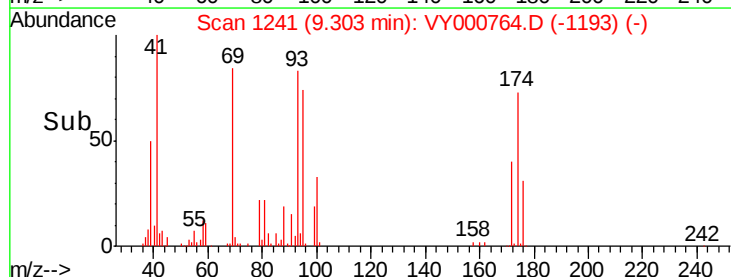
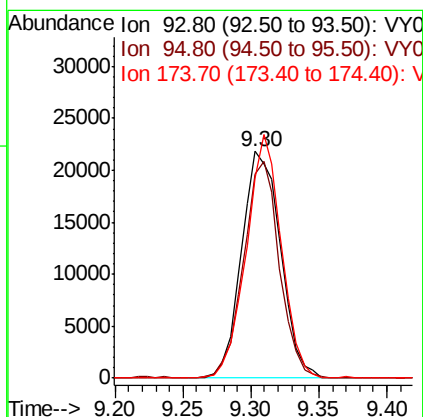
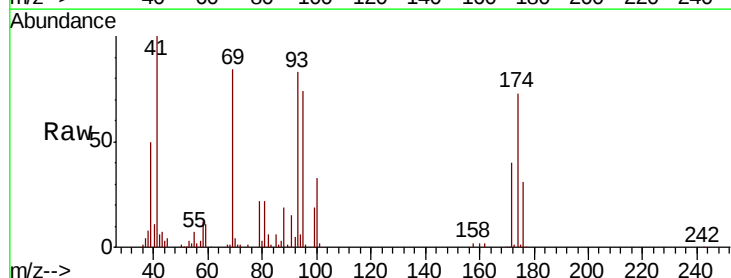
Instrument :
 MSVOA_Y
 ClientSampled :

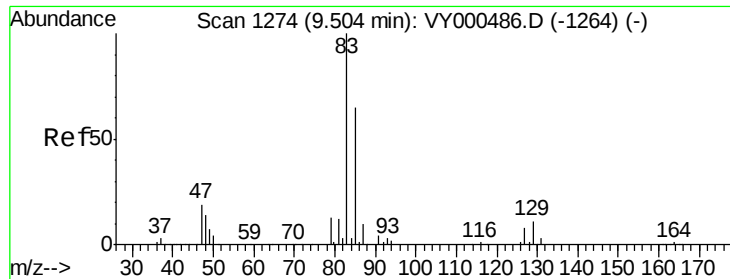
Tot Ion: 63 Resp: 89603
 Ion Ratio Lower Upper
 63 100
 65 29.1 27.0 40.4



#46
 Dibromomethane
 Concen: 19.857 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 93 Resp: 43749
 Ion Ratio Lower Upper
 93 100
 95 88.4 66.4 99.6
 174 96.5 77.1 115.7

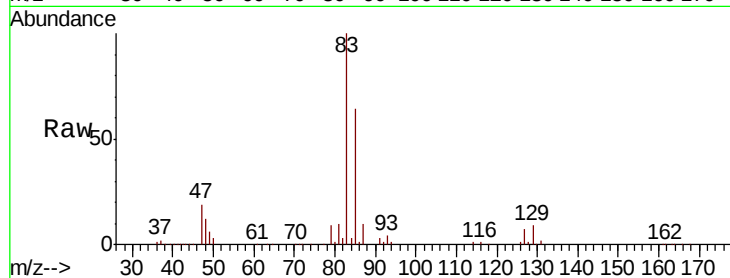




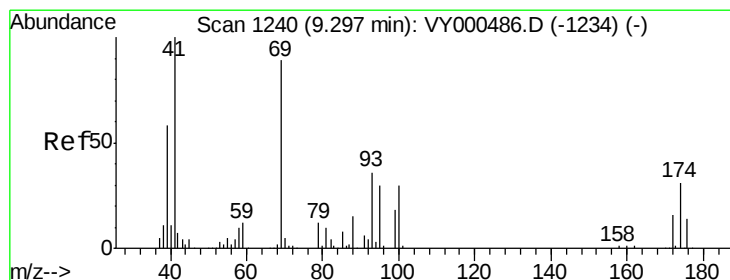
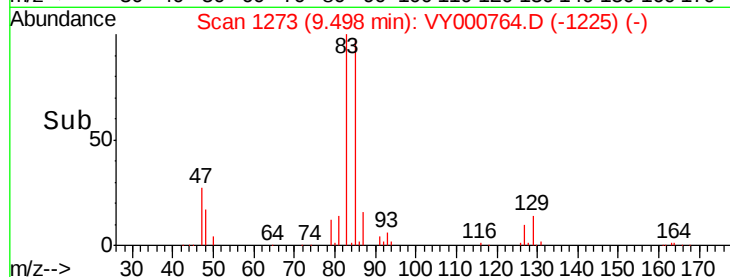
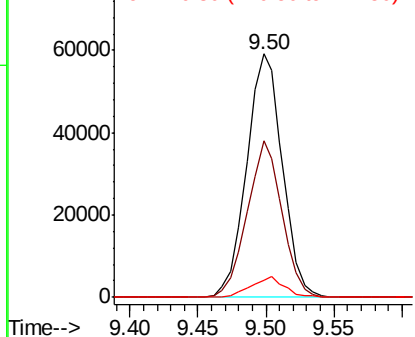
#47
Bromodichloromethane
Concen: 20.770 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	83	Resp	108577
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.8	77.8
127	6.8	6.7	10.1

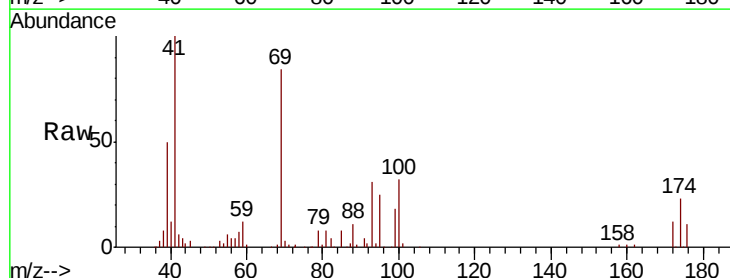


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0

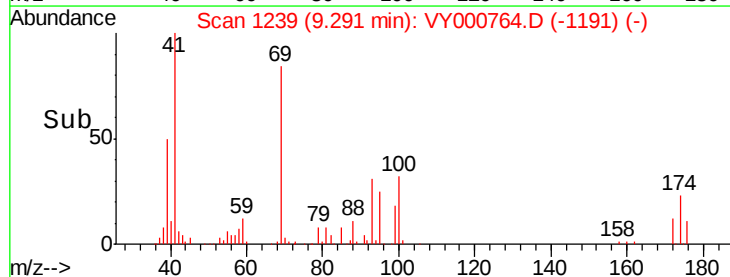
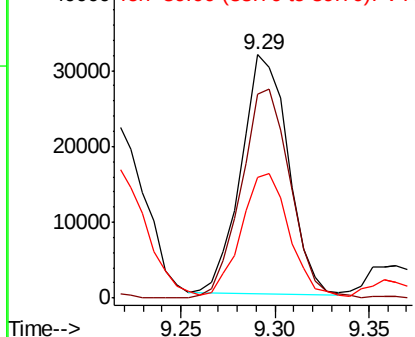


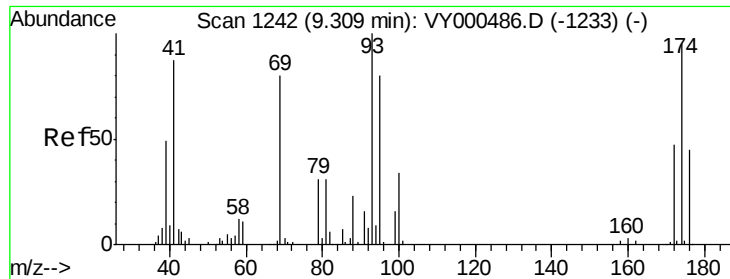
#48
Methyl methacrylate
Concen: 20.159 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion	41	Resp	54537
Ion Ratio	Lower	Upper	
41	100		
69	91.9	72.5	108.7
39	54.1	47.8	71.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 394.488 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

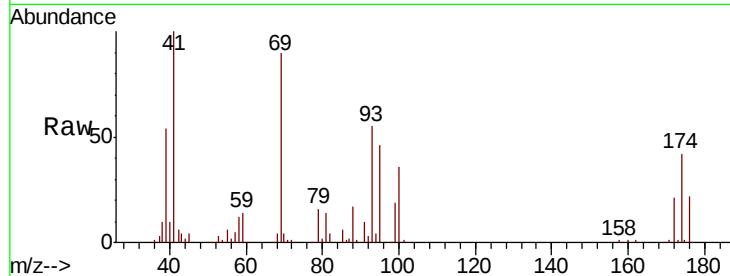
Tot Ion: 88 Resp: 11697

Ion Ratio Lower Upper

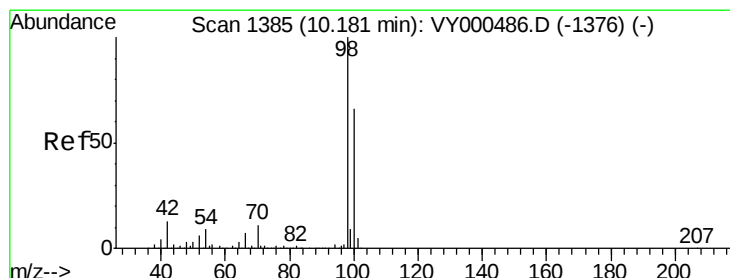
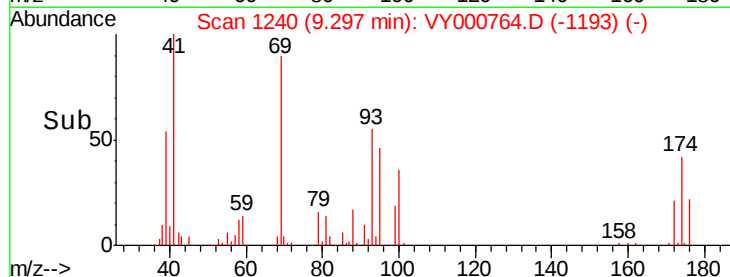
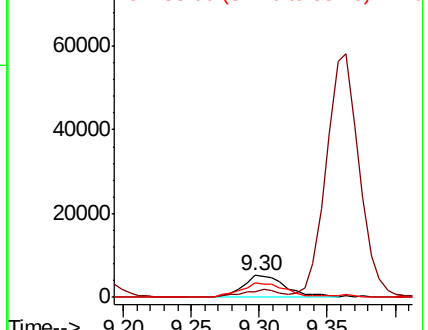
88 100

43 32.3 25.1 37.7

58 71.7 50.6 75.8



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.642 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000764.D

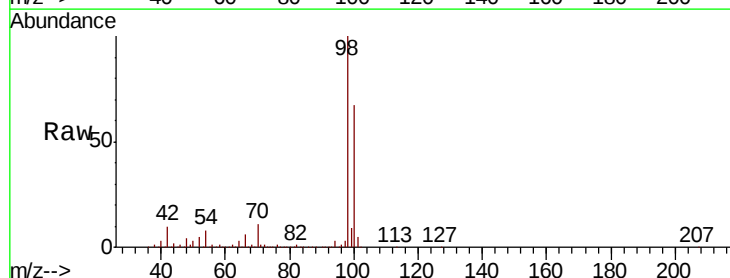
Acq: 21 Nov 2019 13:52

Tgt Ion: 98 Resp: 675587

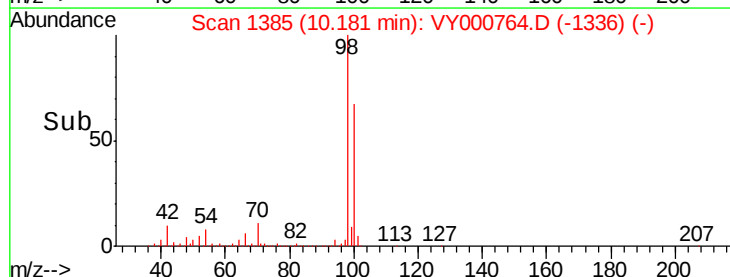
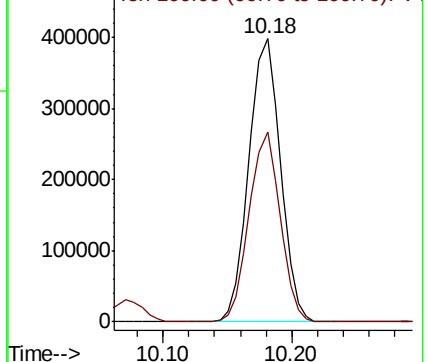
Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 101.460 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

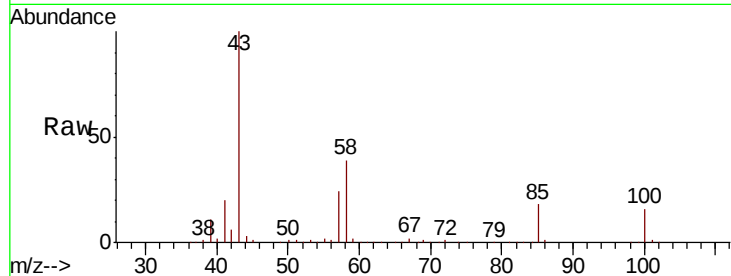
ClientSampleId :

Tot Ion: 43 Resp: 334009

Ion Ratio Lower Upper

43 100

58 40.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

200000

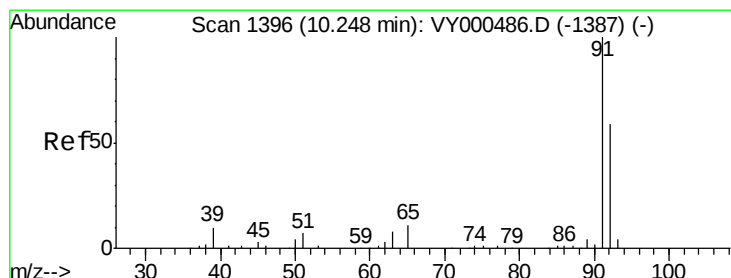
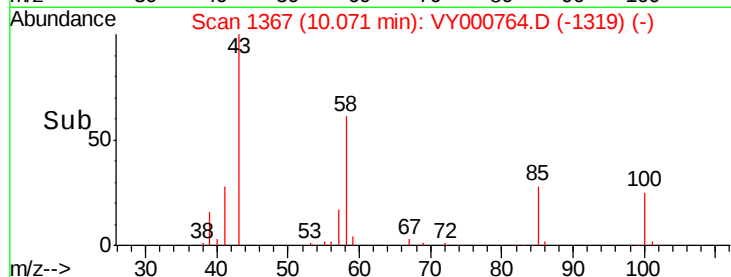
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.904 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000764.D

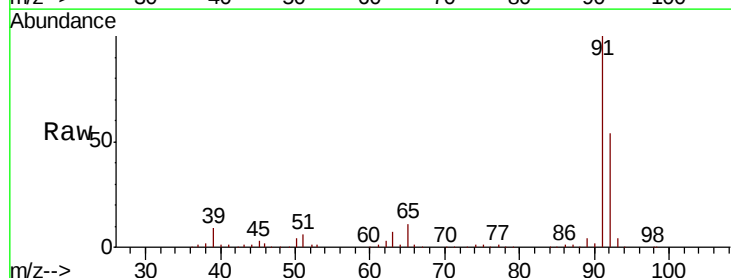
Acq: 21 Nov 2019 13:52

Tgt Ion: 92 Resp: 215120

Ion Ratio Lower Upper

92 100

91 171.1 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

250000

200000

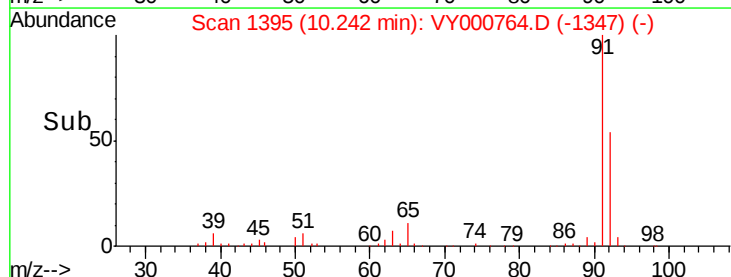
150000

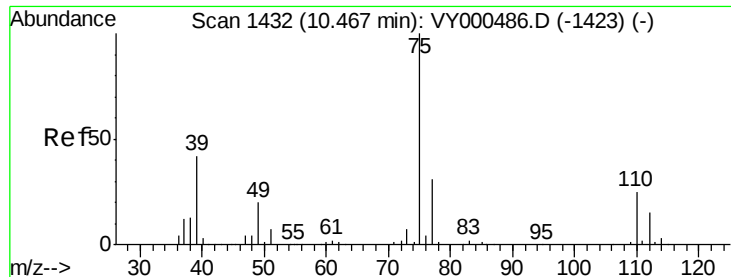
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.830 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

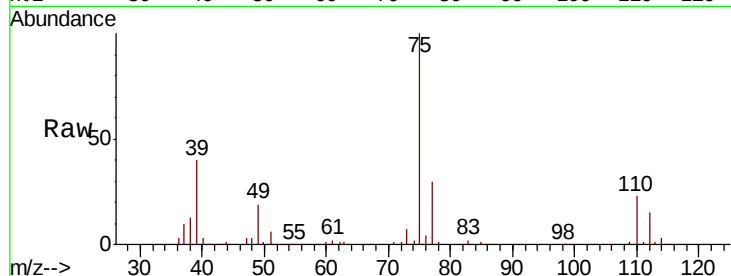
ClientSampleId :

Tot Ion: 75 Resp: 116348

Ion Ratio Lower Upper

75 100

77 29.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.46

80000

60000

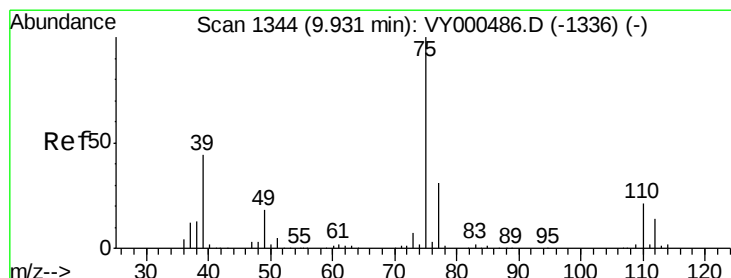
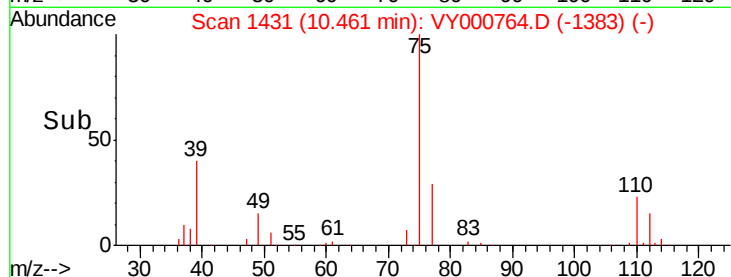
40000

20000

0

Time-->

10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 20.956 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

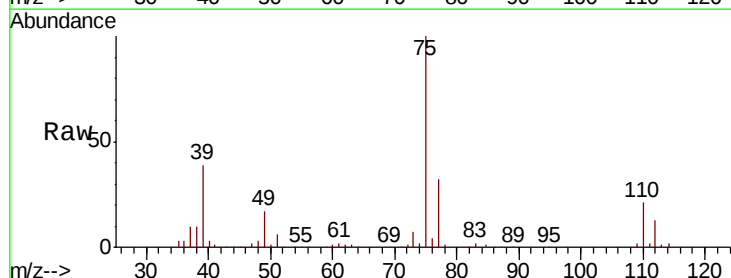
Tgt Ion: 75 Resp: 134094

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7

39 39.5 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

100000

80000

60000

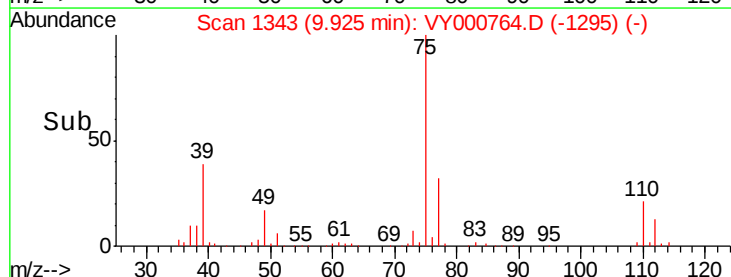
40000

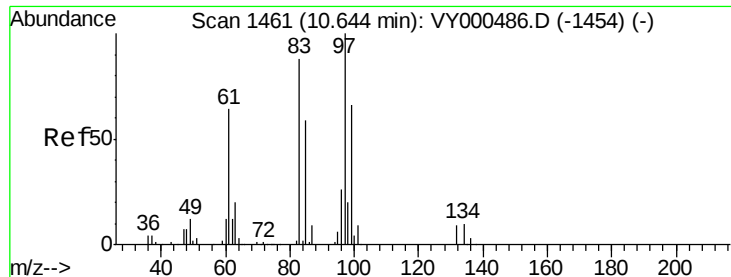
20000

0

Time-->

9.85 9.90 9.95 10.00

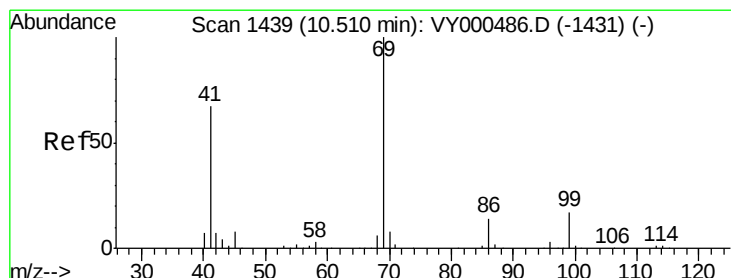
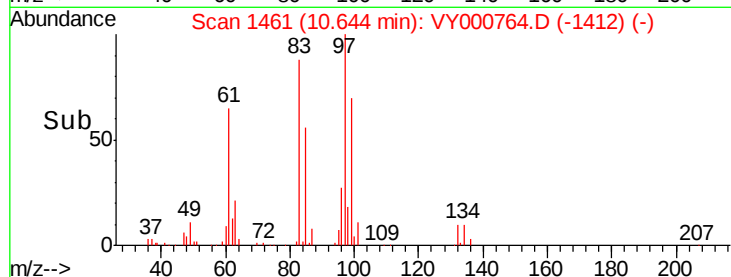
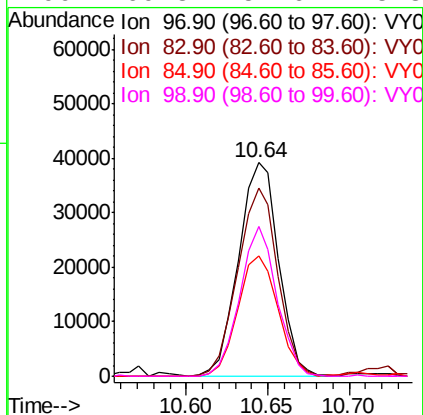
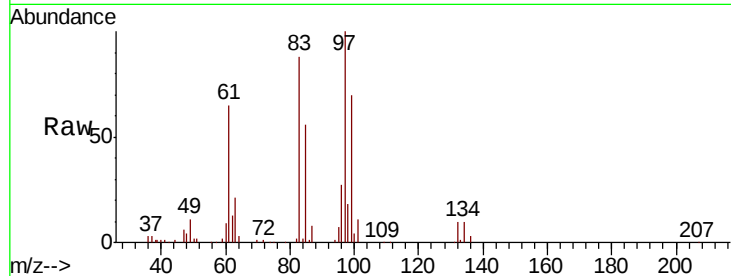




#55
 1,1,2-Trichloroethane
 Concen: 21.057 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

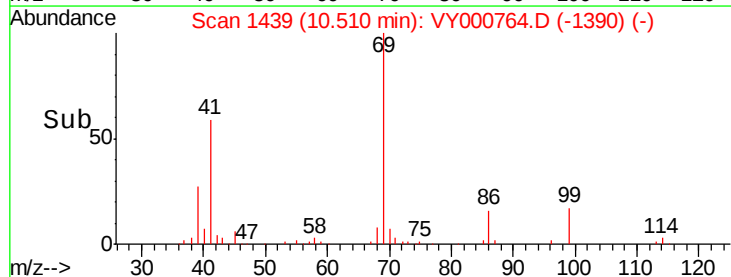
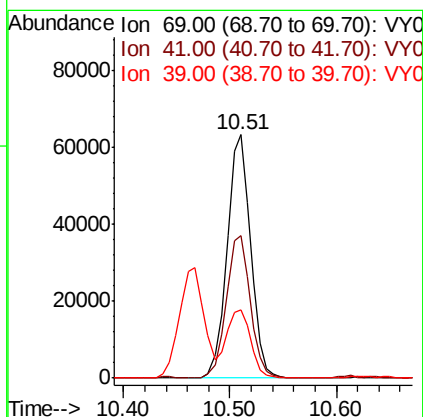
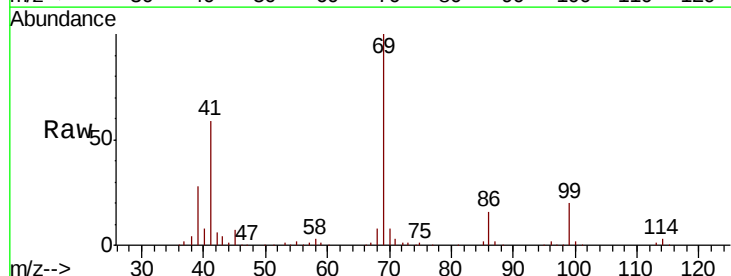
Instrument :
 MSVOA_Y
 ClientSampleId :

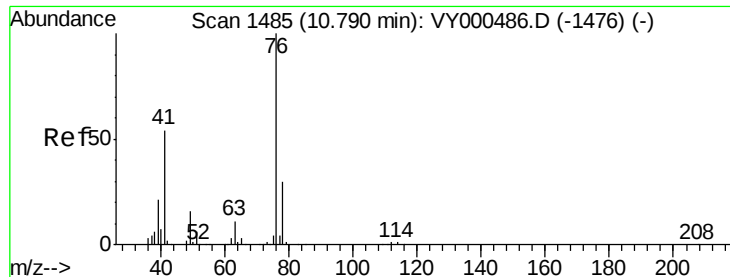
Tot Ion: 97 Resp: 67101
 Ion Ratio Lower Upper
 97 100
 83 88.0 70.2 105.4
 85 56.3 46.9 70.3
 99 69.8 52.6 78.8



#56
 Ethyl methacrylate
 Concen: 21.708 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 69 Resp: 98045
 Ion Ratio Lower Upper
 69 100
 41 59.3 53.3 79.9
 39 29.0 28.0 42.0





#57

1,3-Dichloropropane

Concen: 21.486 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

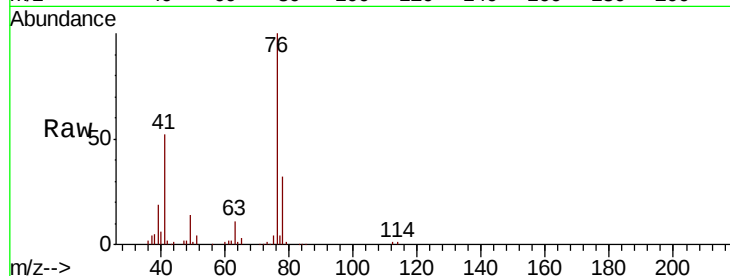
ClientSampleId :

Tot Ion: 76 Resp: 119830

Ion Ratio Lower Upper

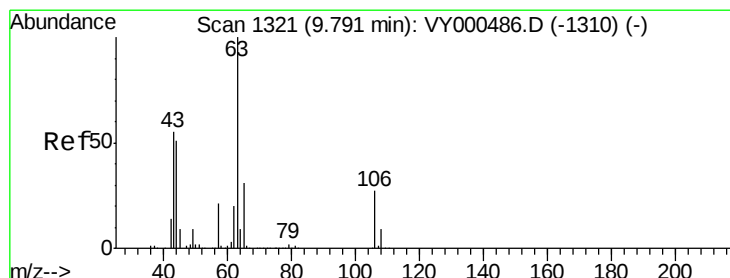
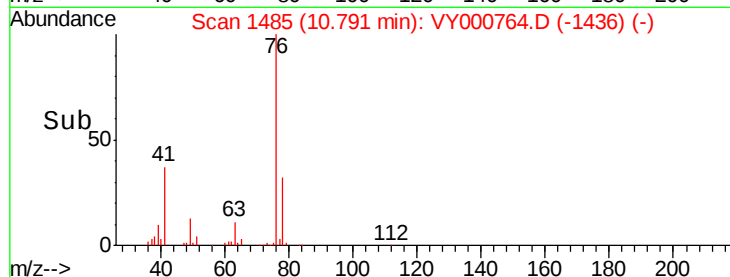
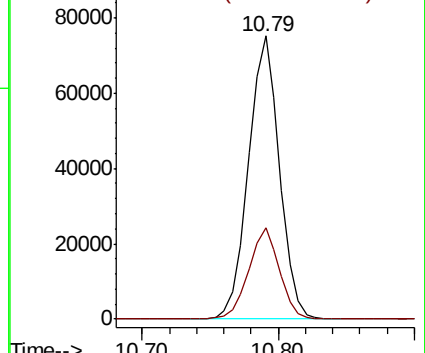
76 100

78 31.8 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 111.696 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY000764.D

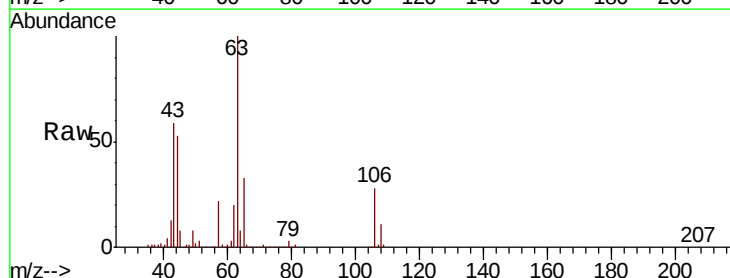
Acq: 21 Nov 2019 13:52

Tgt Ion: 63 Resp: 228065

Ion Ratio Lower Upper

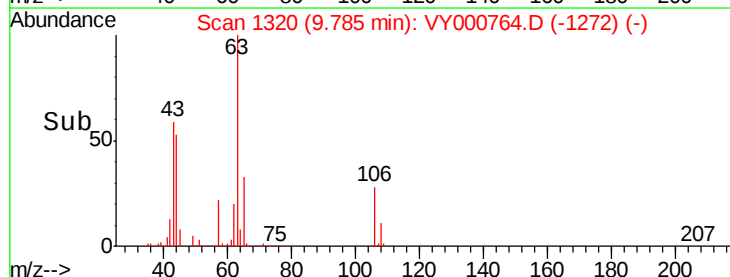
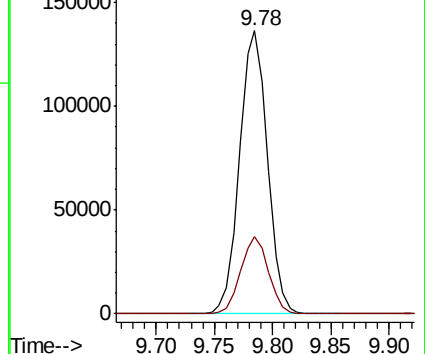
63 100

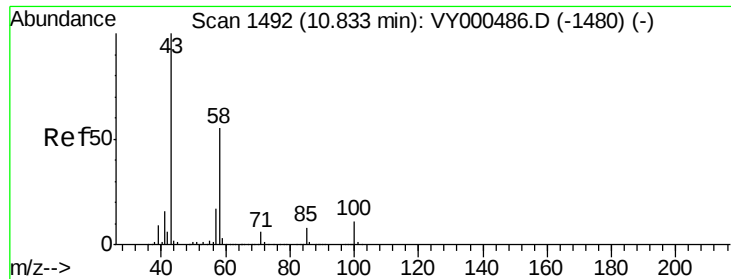
106 27.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

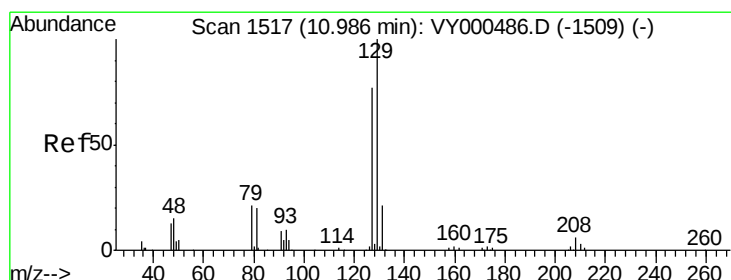
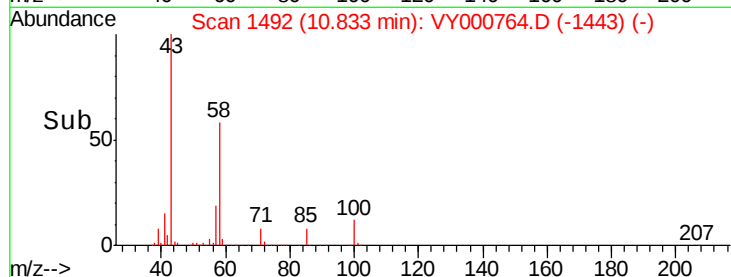
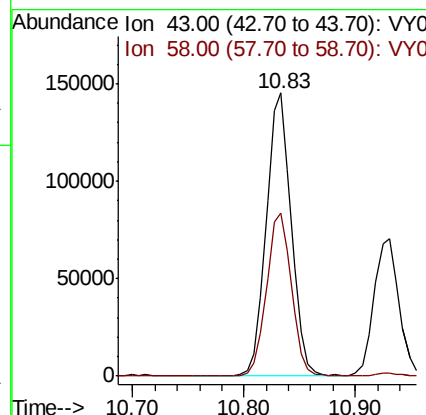
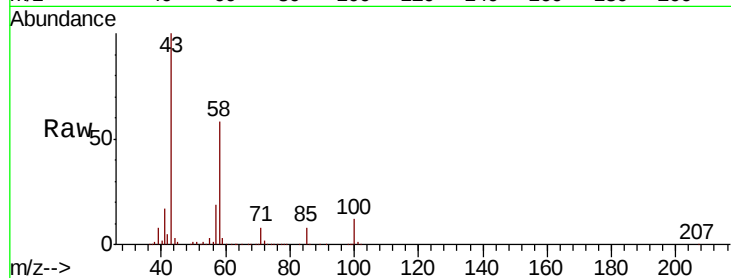




#59
2-Hexanone
Concen: 95.056 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

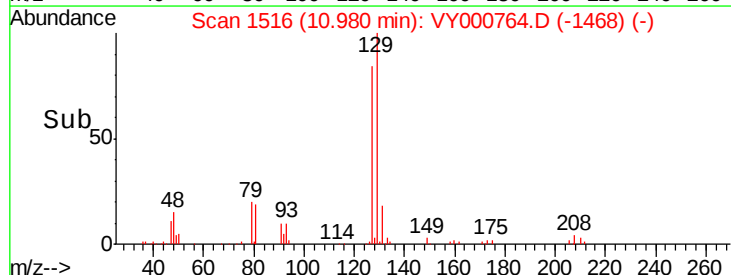
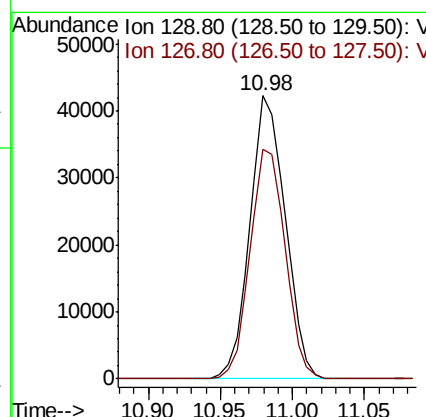
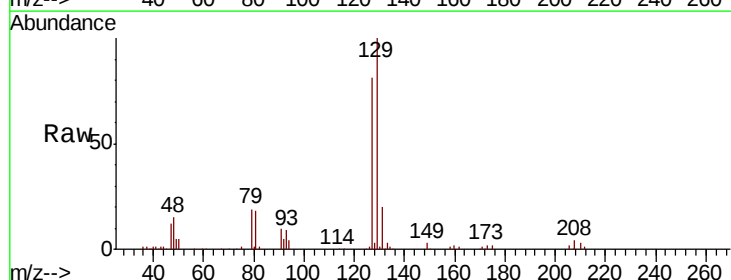
Instrument :
MSVOA_Y
ClientSampleId :

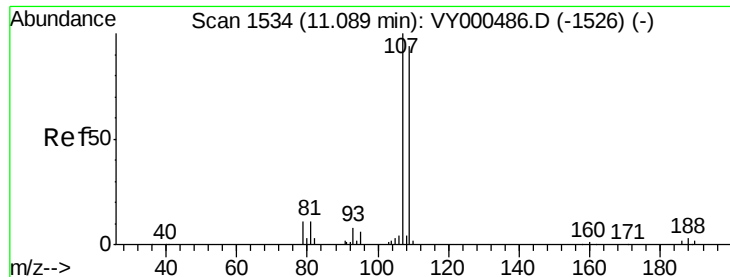
Tot Ion: 43 Resp: 227999
Ion Ratio Lower Upper
43 100
58 57.7 27.1 81.3



#60
Dibromochloromethane
Concen: 19.633 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 129 Resp: 71662
Ion Ratio Lower Upper
129 100
127 80.4 39.1 117.2

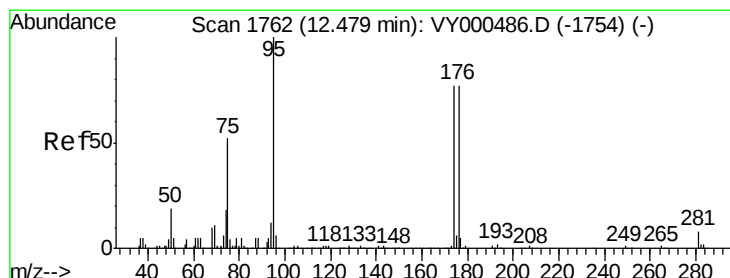
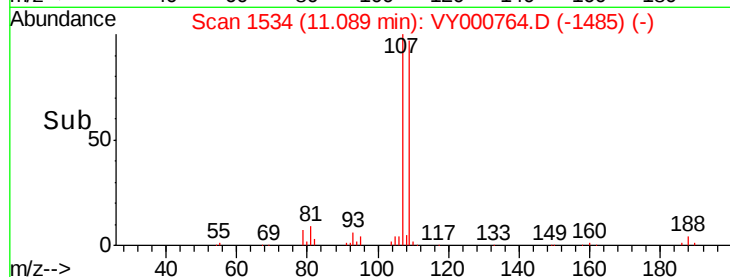
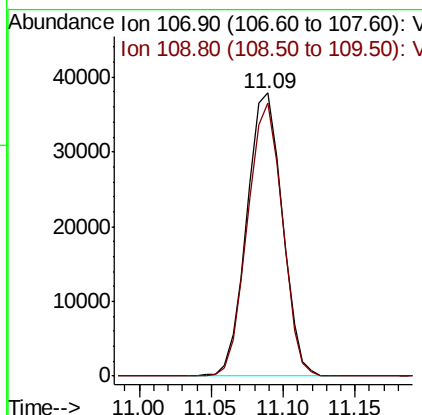
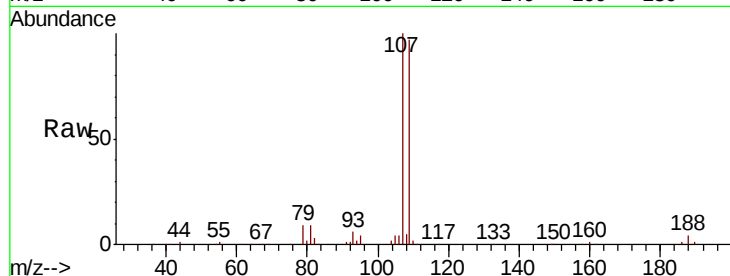




#61
 1,2-Dibromoethane
 Concen: 21.074 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

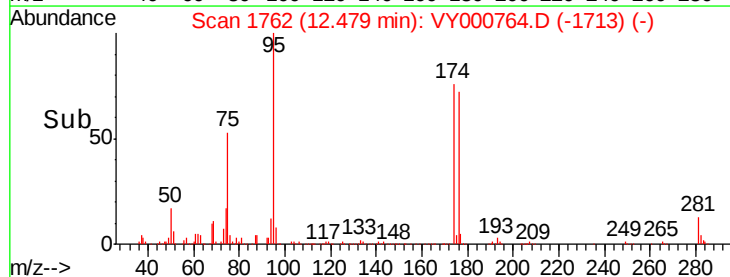
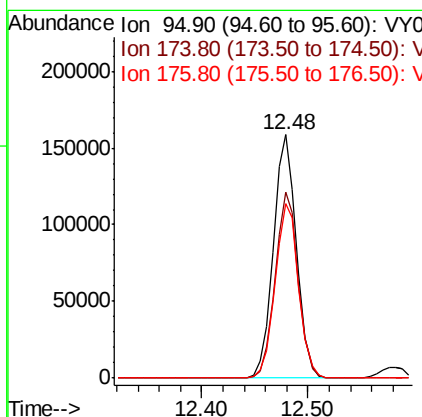
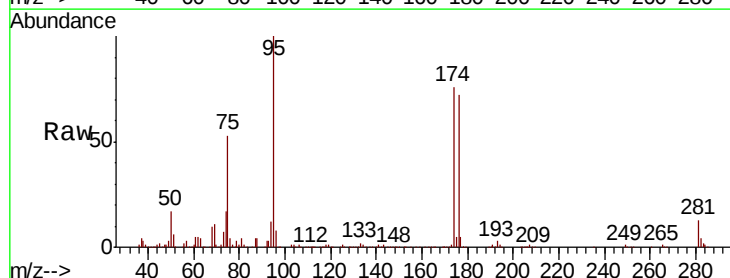
Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 107 Resp: 64569
 Ion Ratio Lower Upper
 107 100
 109 94.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 47.989 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 95 Resp: 239000
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 161.6
 176 72.5 0.0 157.8

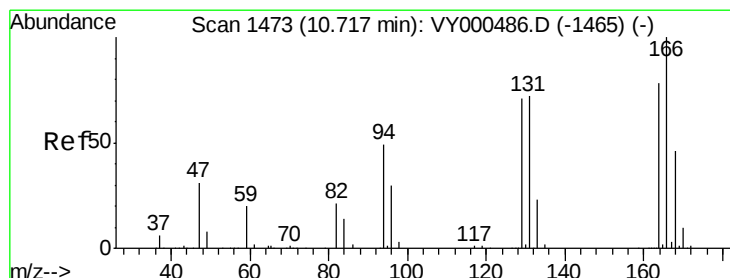
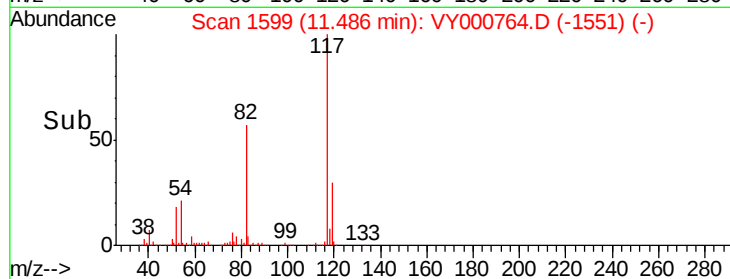
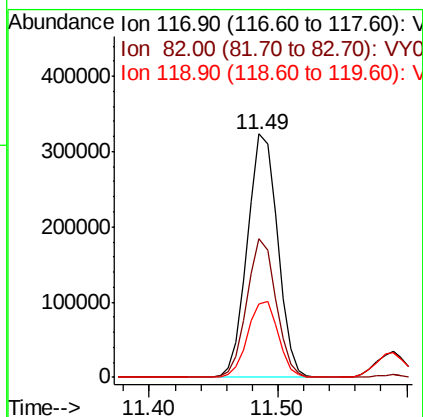
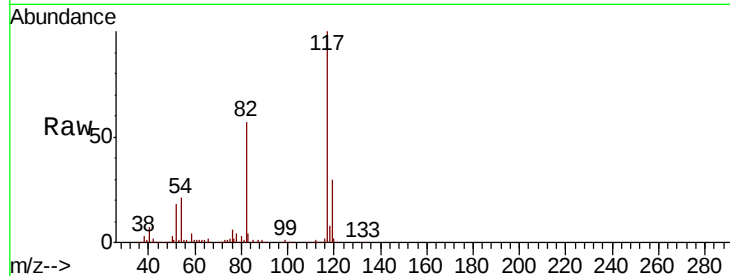




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

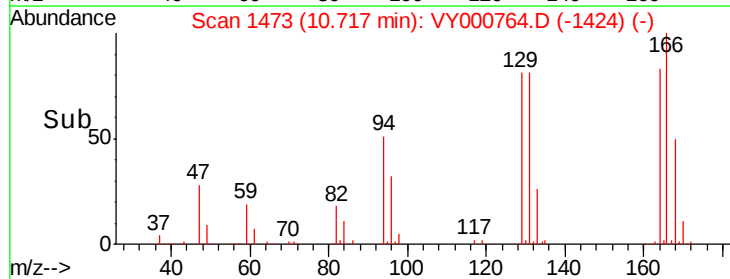
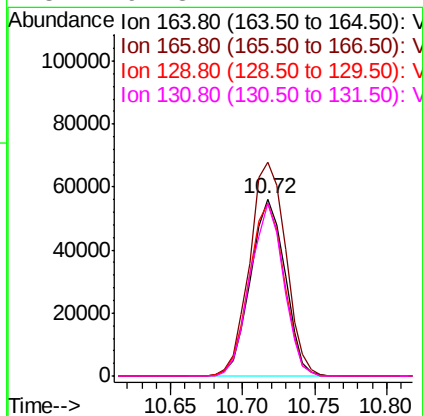
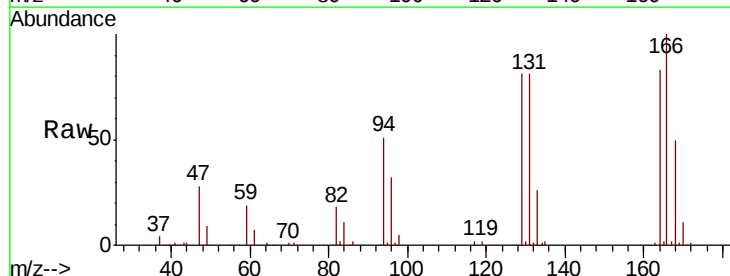
Instrument :
MSVOA_Y
ClientSampleId :

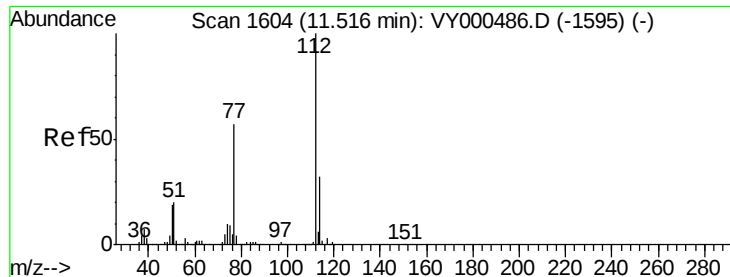
Tot Ion:117 Resp: 523945
Ion Ratio Lower Upper
117 100
82 56.8 40.8 61.2
119 30.3 26.2 39.2



#64
Tetrachloroethene
Concen: 21.496 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion:164 Resp: 93128
Ion Ratio Lower Upper
164 100
166 120.7 102.7 154.1
129 97.4 73.2 109.8
131 97.3 74.2 111.2





#65

Chlorobenzene

Concen: 21.235 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

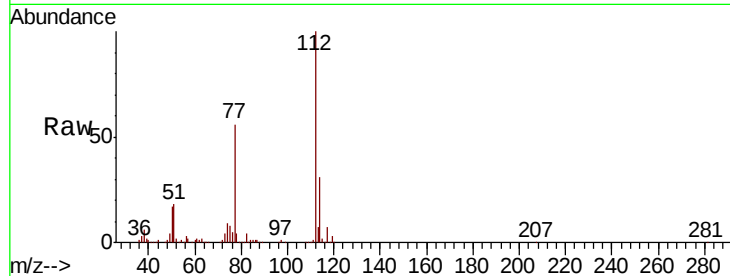
ClientSampleId :

Tot Ion:112 Resp: 225572

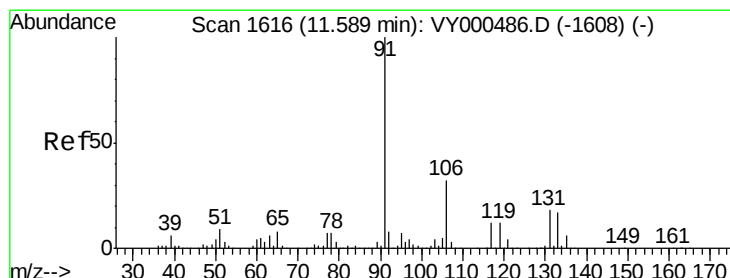
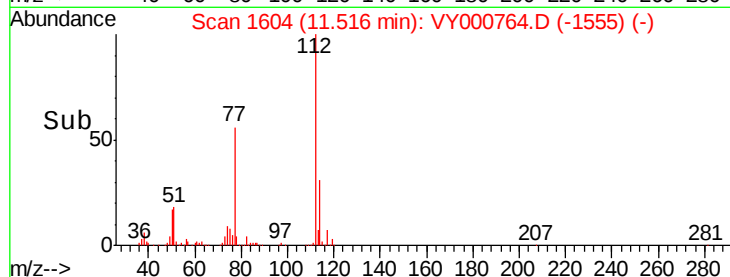
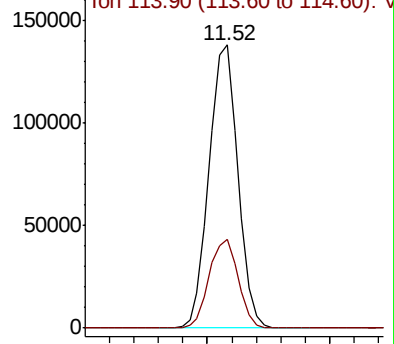
Ion Ratio Lower Upper

112 100

114 31.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

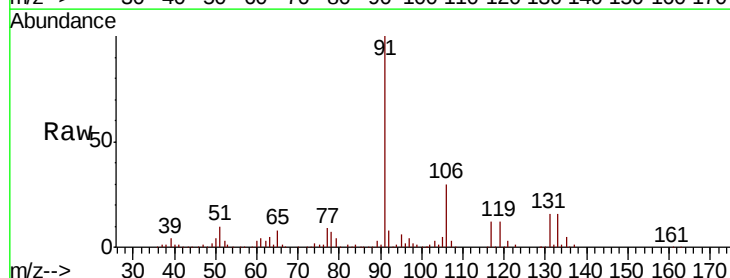
Tgt Ion:131 Resp: 75022

Ion Ratio Lower Upper

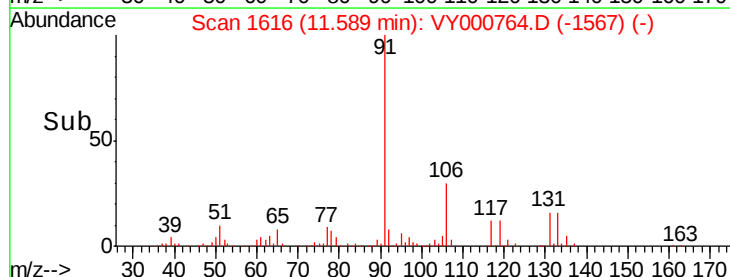
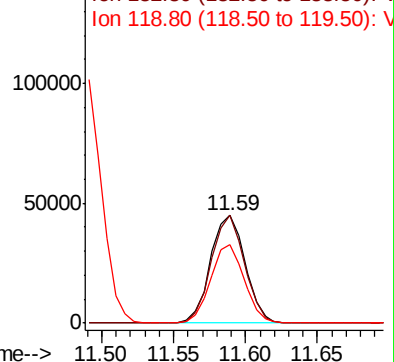
131 100

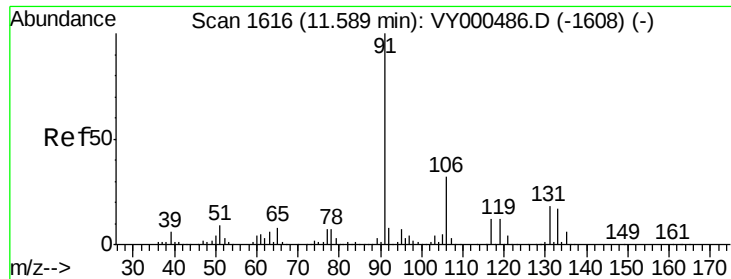
133 96.0 47.9 143.8

119 70.4 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

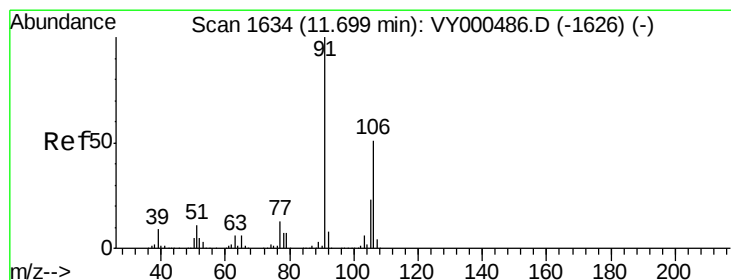
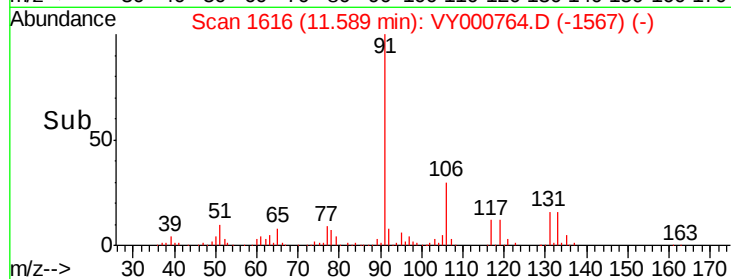
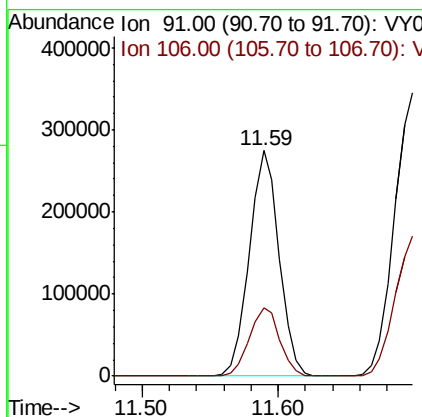
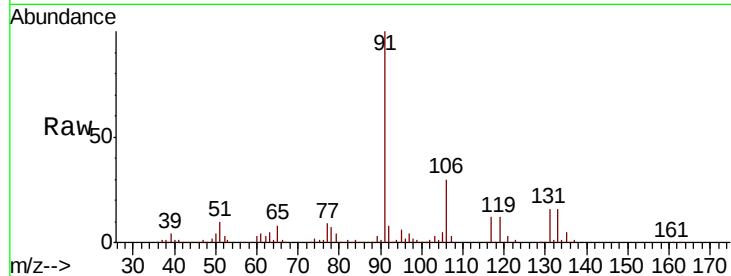




#67
Ethyl Benzene
Concen: 21.513 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

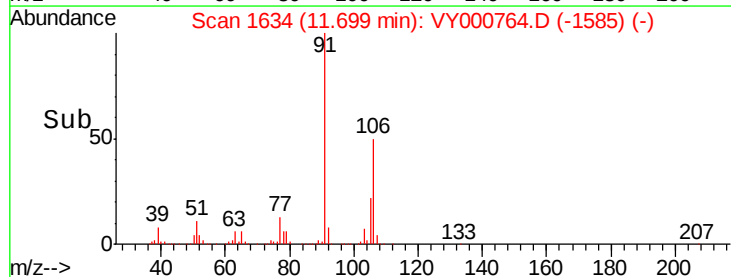
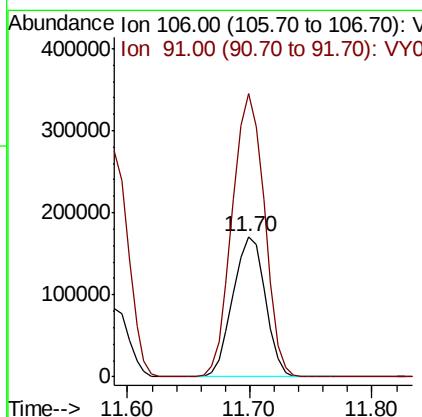
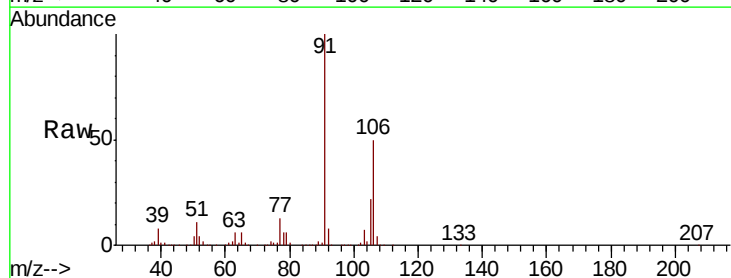
Instrument :
MSVOA_Y
ClientSampleId :

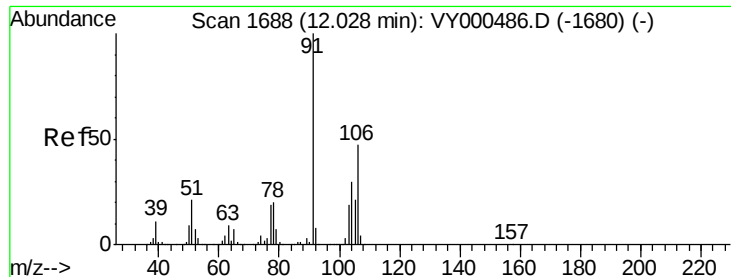
Tot Ion: 91 Resp: 420593
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.0



#68
m/p-Xylenes
Concen: 41.450 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 106 Resp: 313649
Ion Ratio Lower Upper
106 100
91 201.2 155.9 233.9

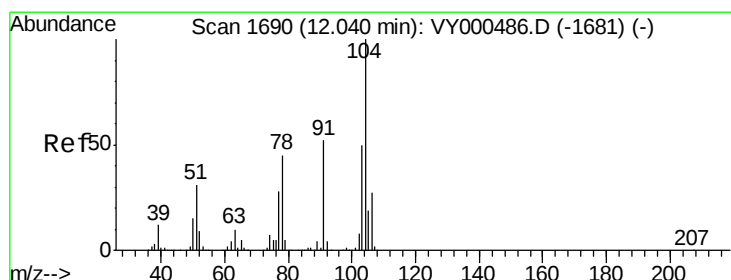
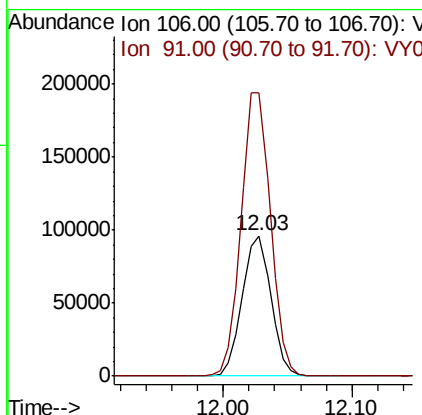
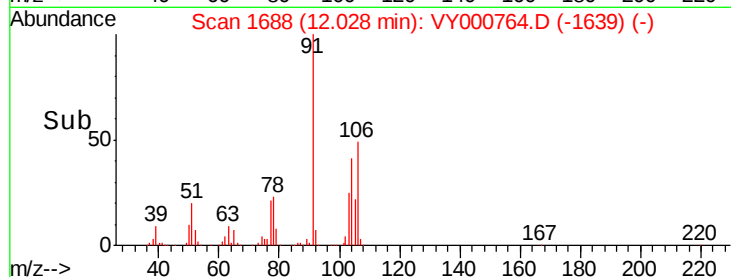
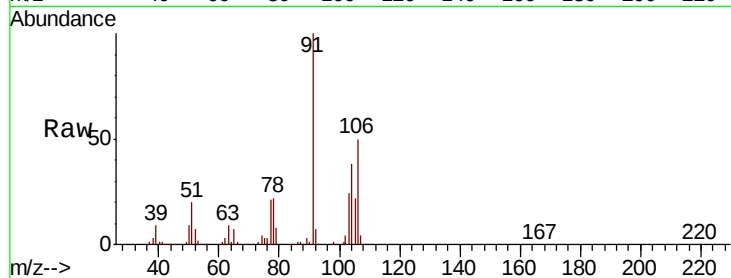




#69
o-Xylene
Concen: 20.933 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

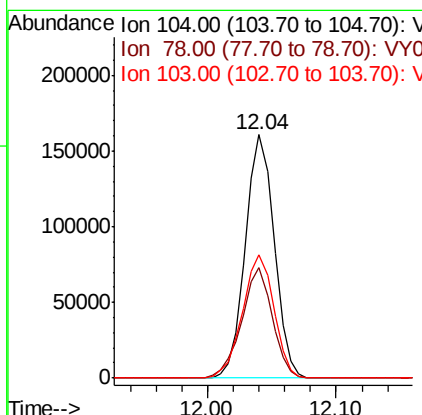
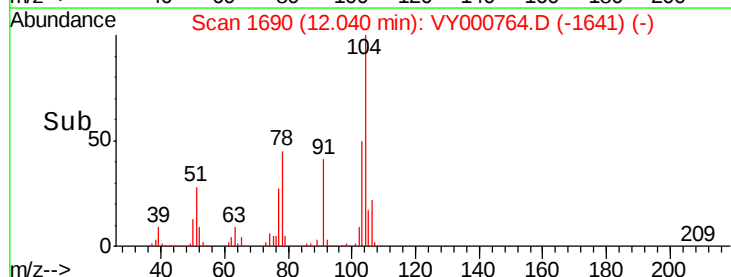
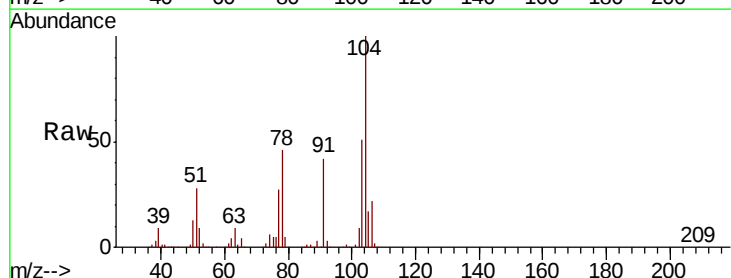
Instrument :
MSVOA_Y
ClientSampled :

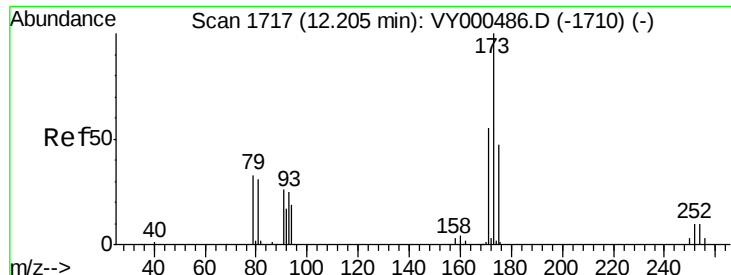
Tot Ion:106 Resp: 148868
Ion Ratio Lower Upper
106 100
91 204.8 106.5 319.6



#70
Styrene
Concen: 20.424 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion:104 Resp: 248711
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 55.0 42.5 63.7





#71

Bromoform

Concen: 19.798 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

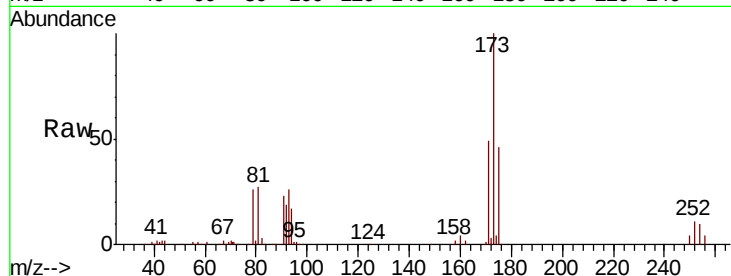
Tot Ion:173 Resp: 41952

Ion Ratio Lower Upper

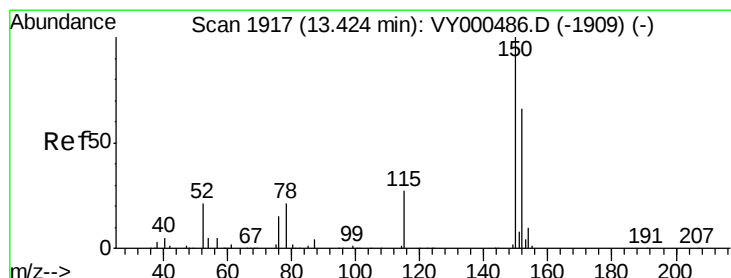
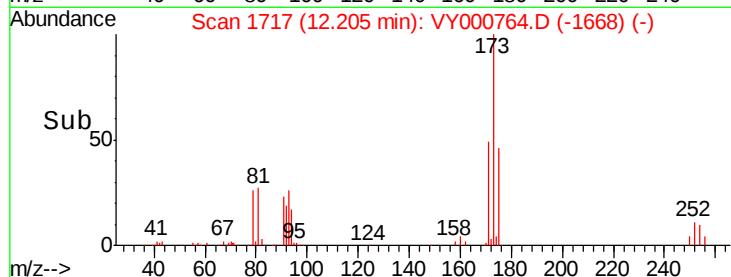
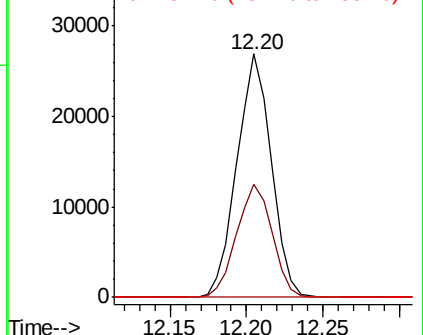
173 100

175 48.1 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

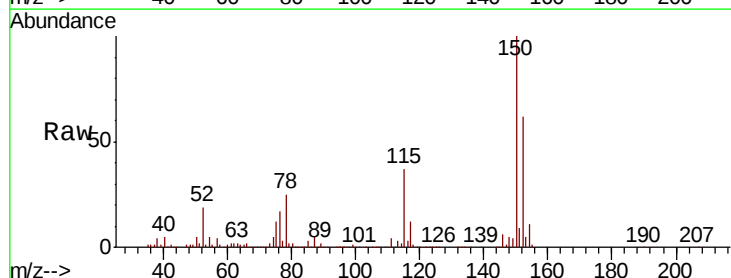
Tgt Ion:152 Resp: 243512

Ion Ratio Lower Upper

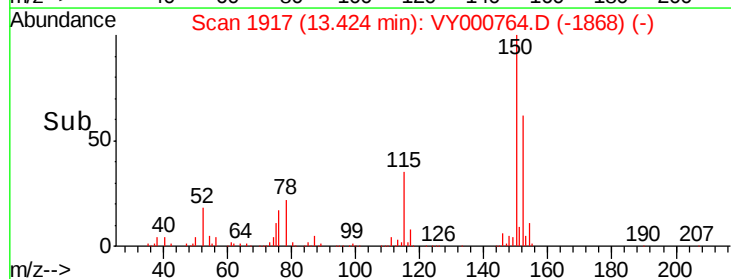
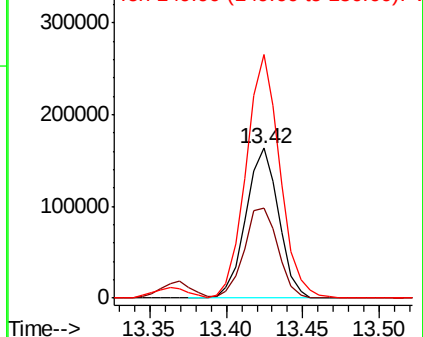
152 100

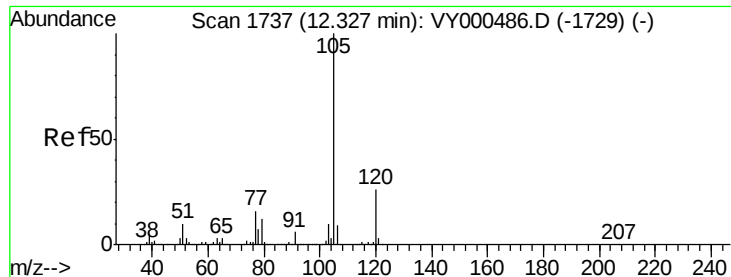
115 62.1 29.1 87.4

150 167.5 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.294 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

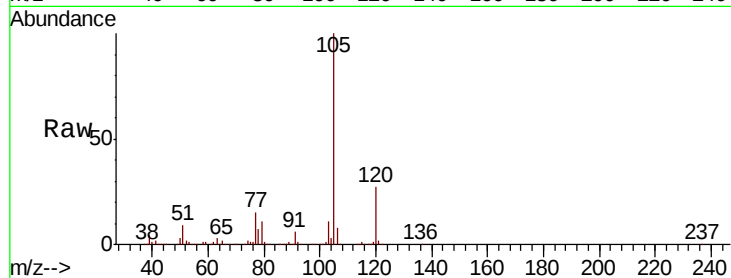
ClientSampleId :

Tot Ion:105 Resp: 401233

Ion Ratio Lower Upper

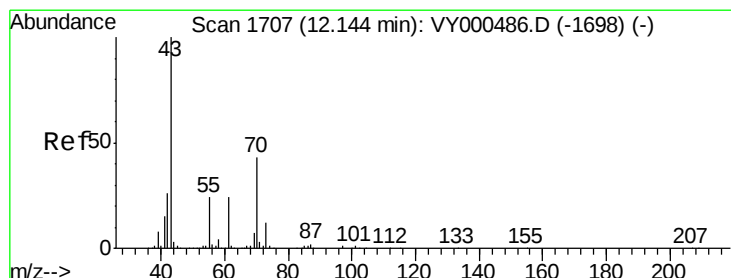
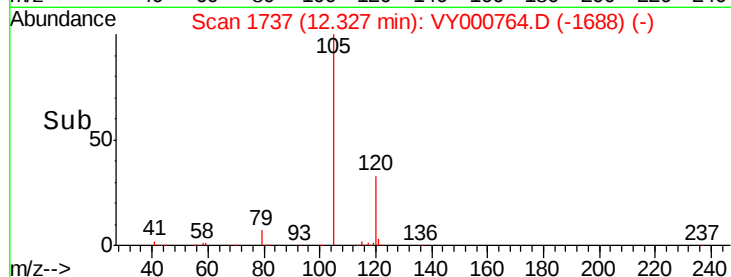
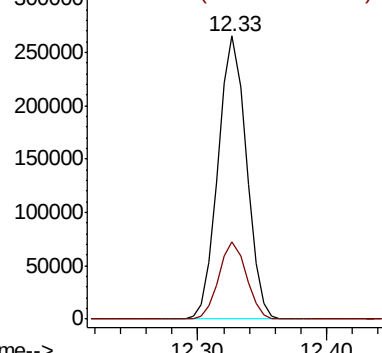
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.529 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Tgt Ion: 43 Resp: 105814

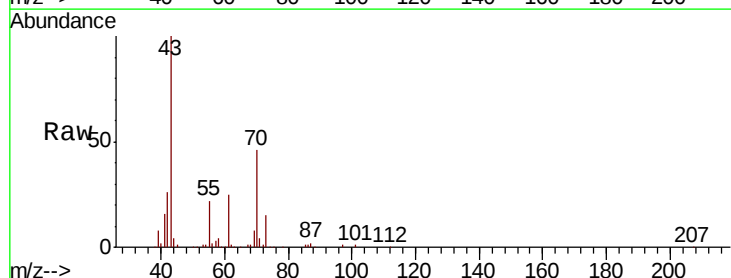
Ion Ratio Lower Upper

43 100

70 44.4 33.1 49.7

55 22.8 18.0 27.0

61 26.4 19.1 28.7

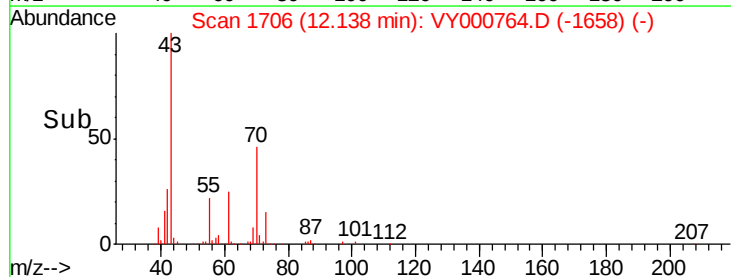
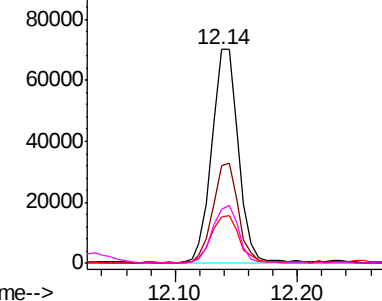


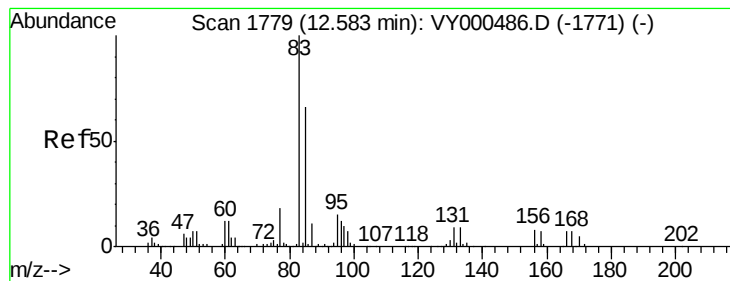
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.254 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

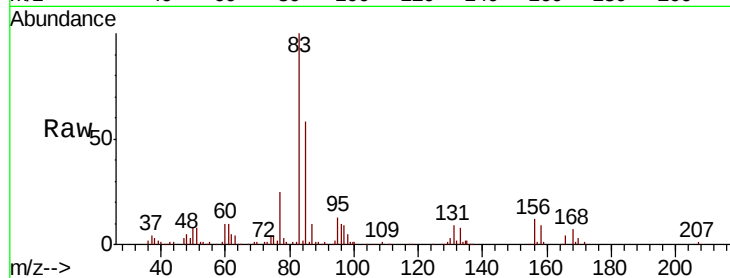
Tot Ion: 83 Resp: 79304

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

85 62.7 32.3 96.9



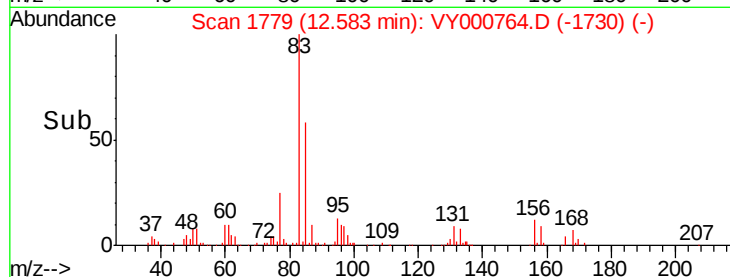
Abundance Ion 82.90 (82.60 to 83.60): VY000764.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY000764.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY000764.D (-1771) (-)

12.58

Time-->



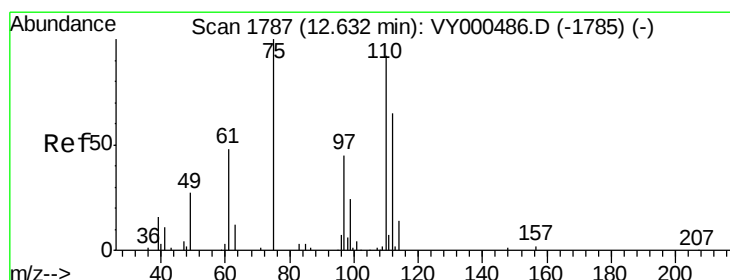
Abundance Ion 82.90 (82.60 to 83.60): VY000764.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY000764.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY000764.D (-1771) (-)

12.58

Time-->



#76

1,2,3-Trichloropropane

Concen: 38.719 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000764.D

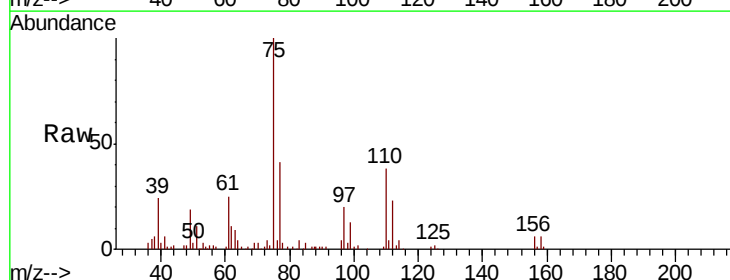
Acq: 21 Nov 2019 13:52

Tgt Ion: 75 Resp: 107358

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

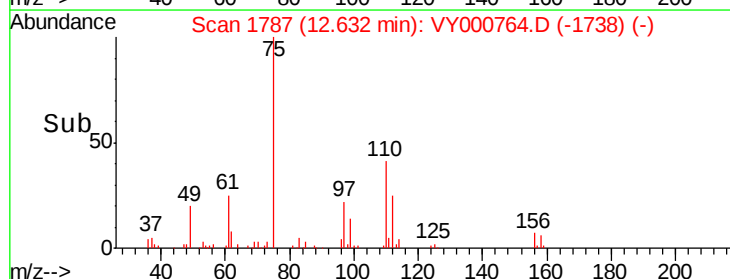


Abundance Ion 74.90 (74.60 to 75.60): VY000764.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY000764.D (-1785) (-)

12.63

Time-->

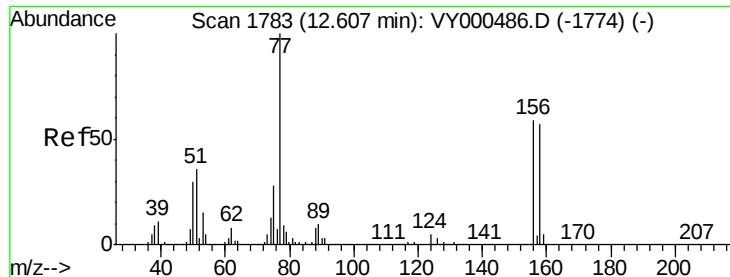


Abundance Ion 74.90 (74.60 to 75.60): VY000764.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY000764.D (-1785) (-)

12.63

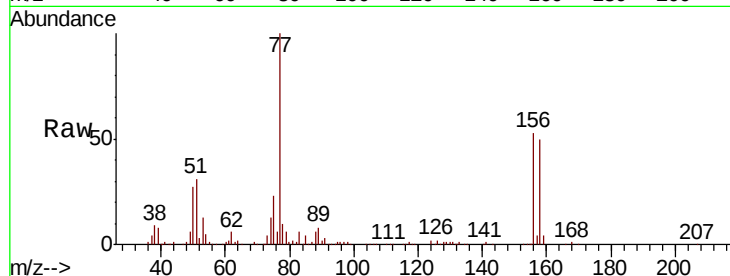
Time-->



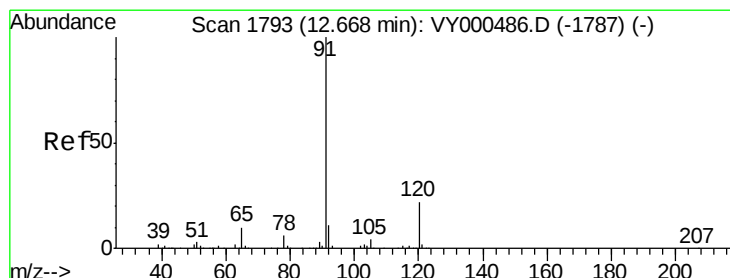
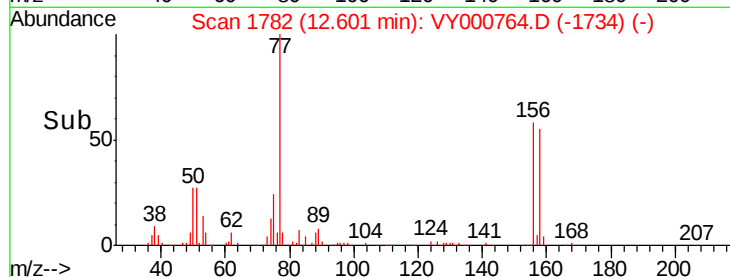
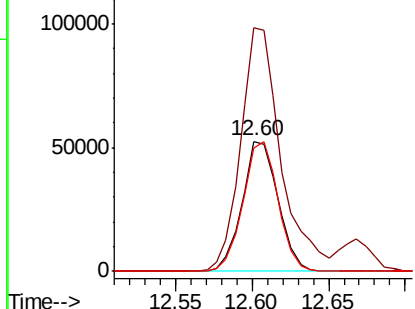
#77
Bromobenzene
Concen: 20.916 ug/l
RT: 12.60 min Scan# 1782
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:156 Resp: 85363
Ion Ratio Lower Upper
156 100
77 210.3 98.2 294.4
158 97.0 49.6 149.0

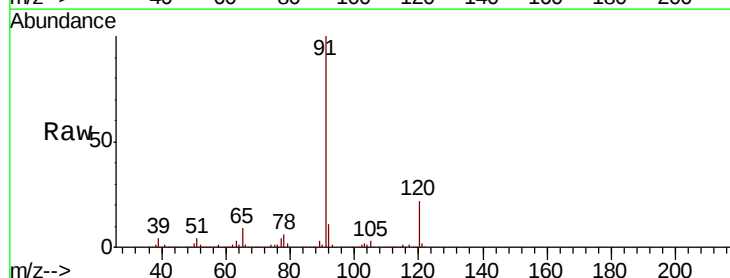


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

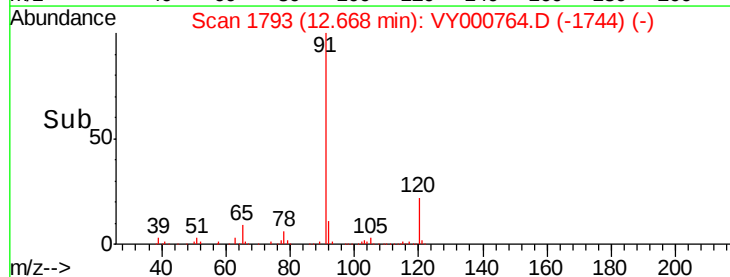
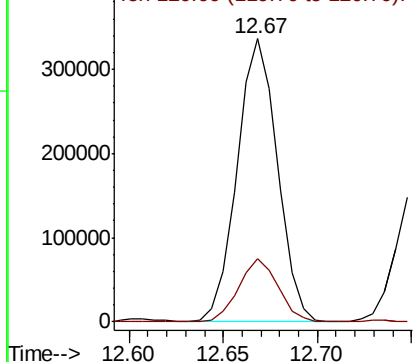


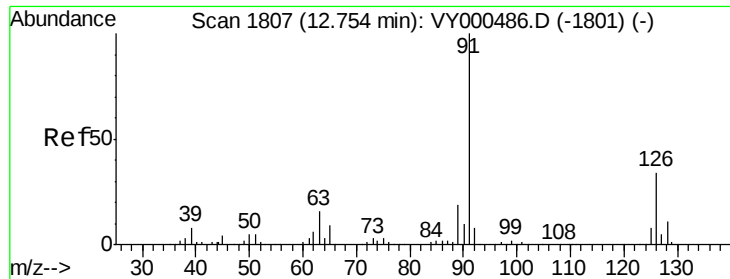
#78
n-propylbenzene
Concen: 22.911 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 91 Resp: 497525
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.144 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

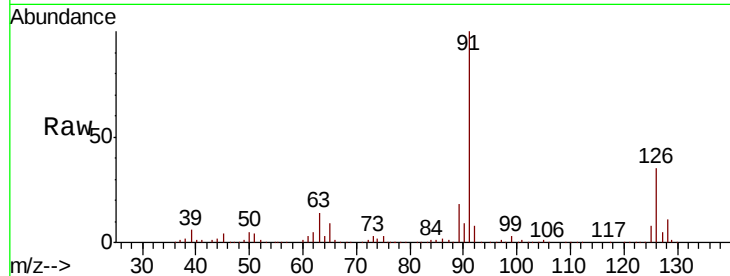
ClientSampleId :

Tot Ion: 91 Resp: 266960

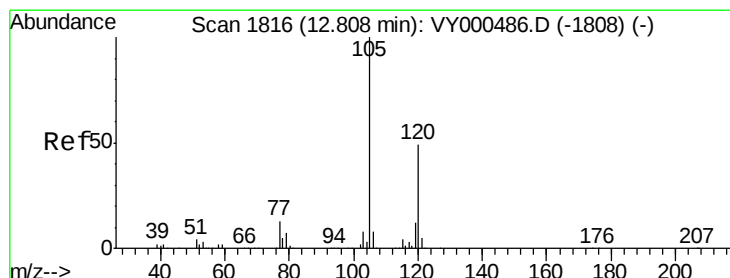
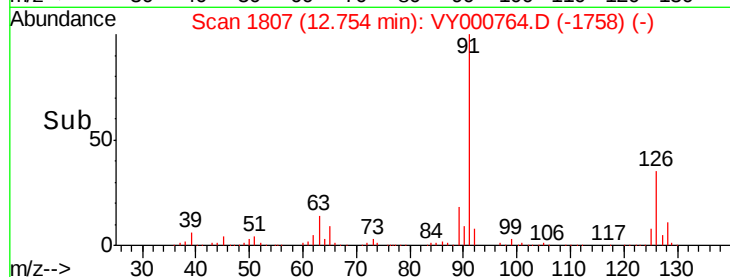
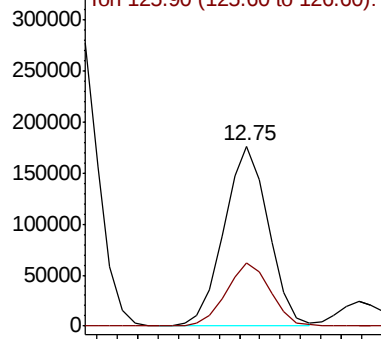
Ion Ratio Lower Upper

91 100

126 34.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VY000764.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.557 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000764.D

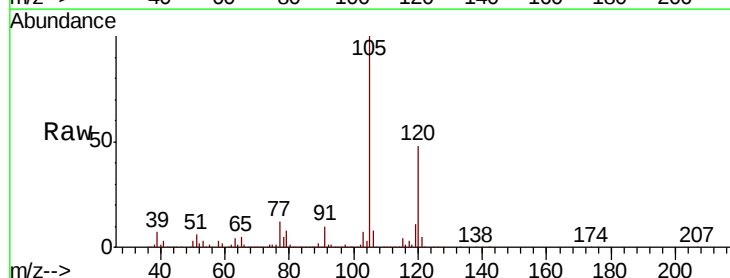
Acq: 21 Nov 2019 13:52

Tgt Ion:105 Resp: 338113

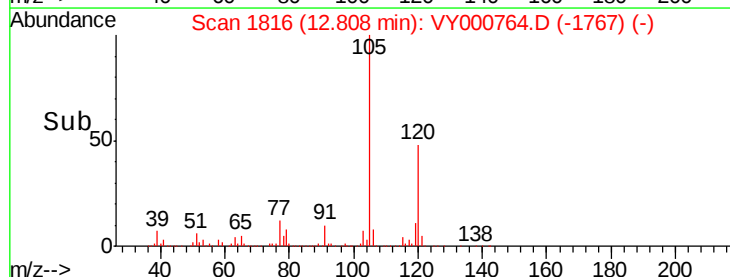
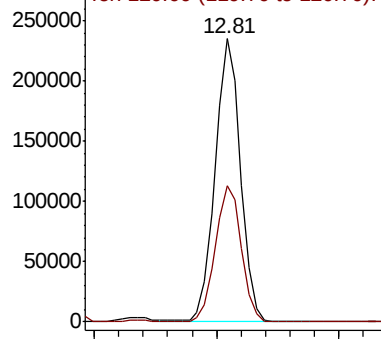
Ion Ratio Lower Upper

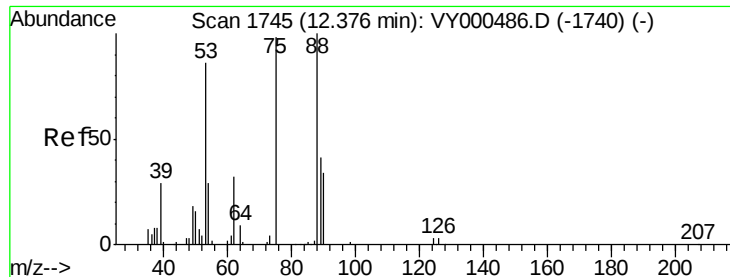
105 100

120 49.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000764.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.602 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

ClientSampleId :

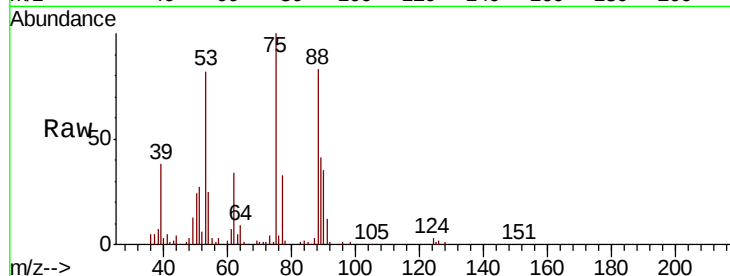
Tot Ion: 75 Resp: 27950

Ion Ratio Lower Upper

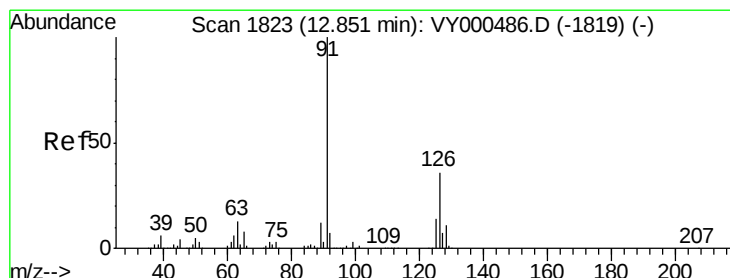
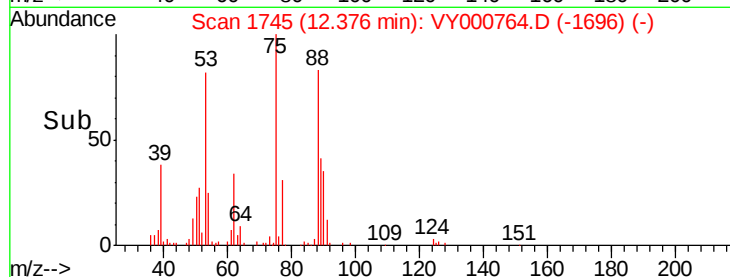
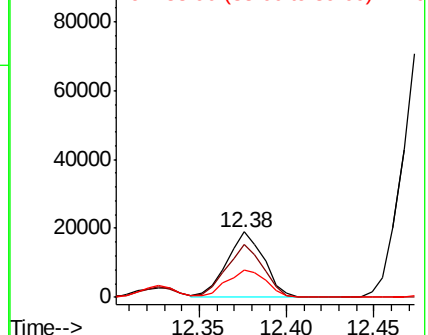
75 100

53 81.5 73.2 109.8

89 44.5 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 22.606 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000764.D

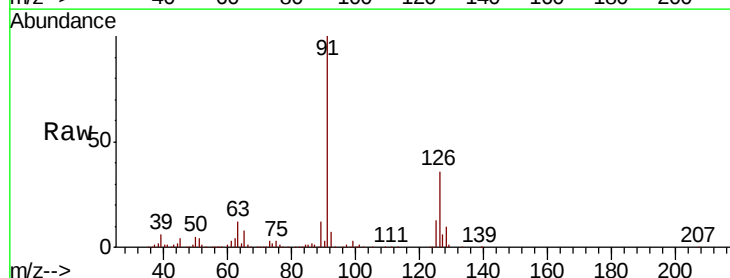
Acq: 21 Nov 2019 13:52

Tgt Ion: 91 Resp: 282498

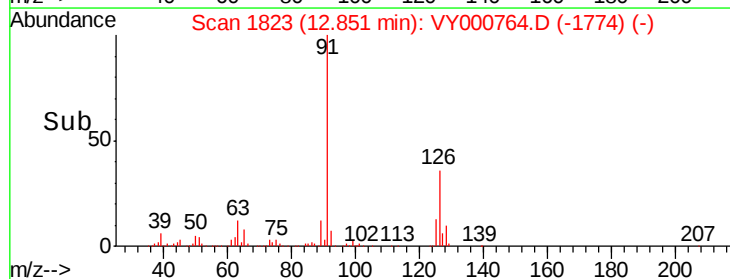
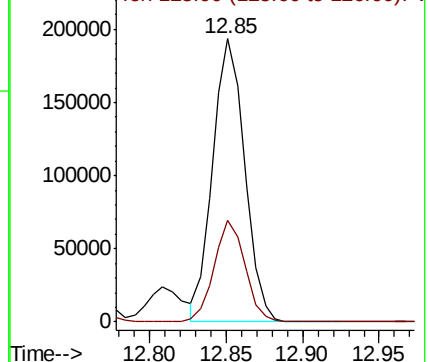
Ion Ratio Lower Upper

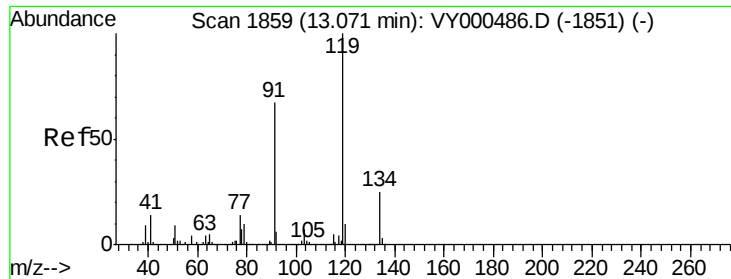
91 100

126 34.5 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

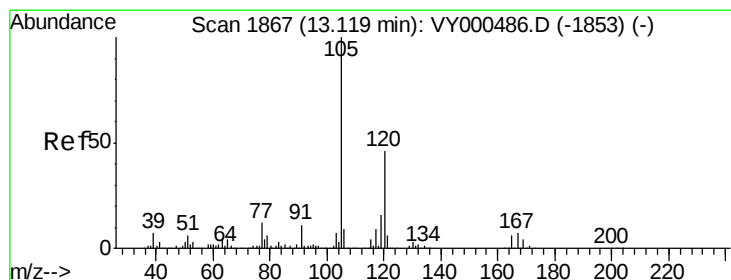
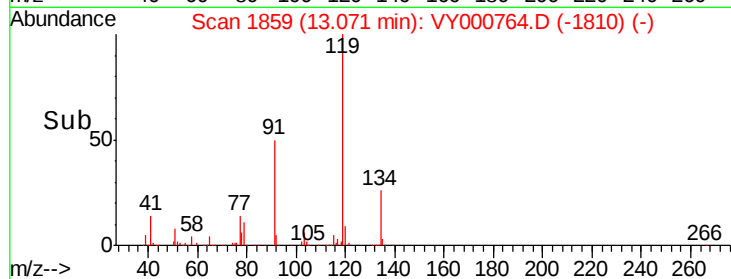
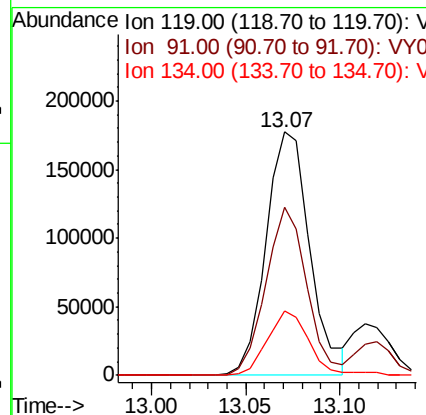
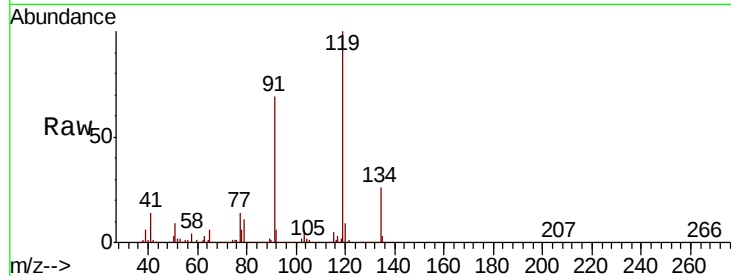




#83
tert-Butylbenzene
Concen: 22.310 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

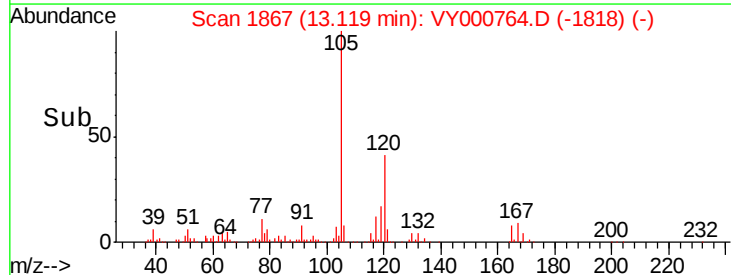
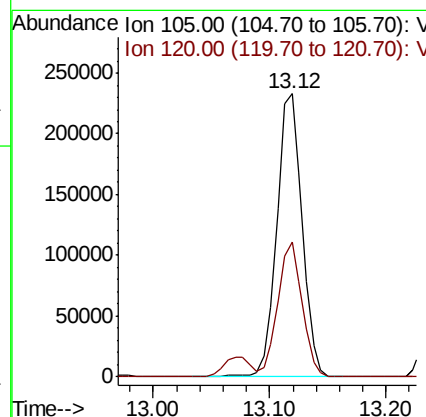
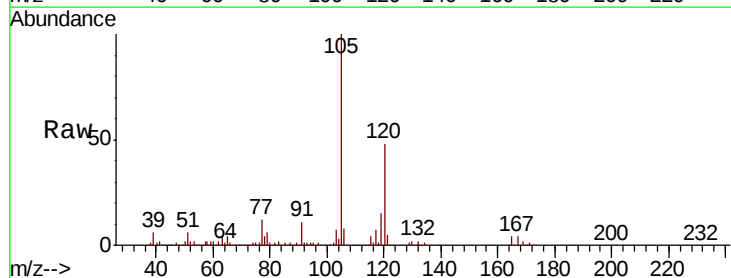
Instrument :
MSVOA_Y
ClientSampleId :

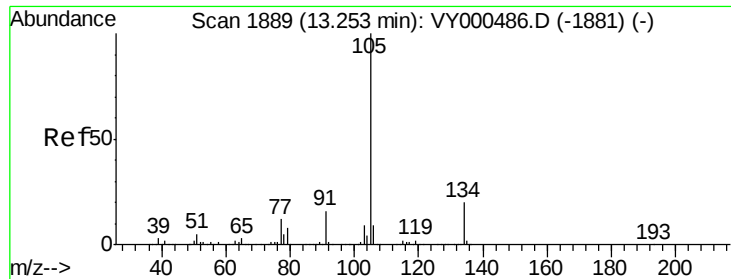
Tot Ion:119 Resp: 285525
Ion Ratio Lower Upper
119 100
91 64.7 32.1 96.3
134 25.5 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 23.549 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion:105 Resp: 351452
Ion Ratio Lower Upper
105 100
120 45.8 23.3 69.9





#85

sec-Butylbenzene

Concen: 22.844 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

Instrument :

MSVOA_Y

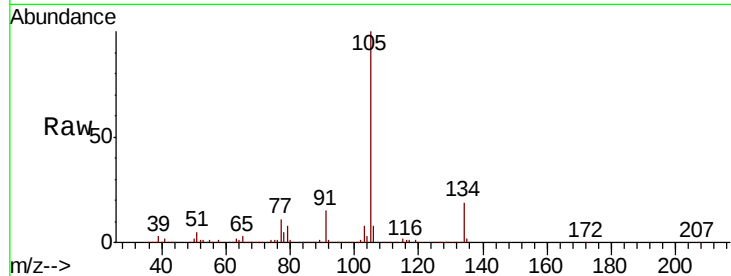
ClientSampleId :

Tot Ion:105 Resp: 416537

Ion Ratio Lower Upper

105 100

134 19.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

250000

200000

150000

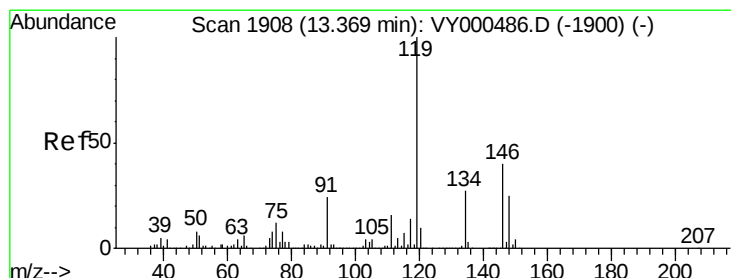
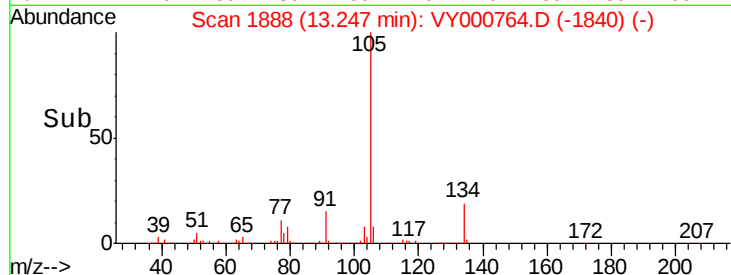
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.986 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000764.D

Acq: 21 Nov 2019 13:52

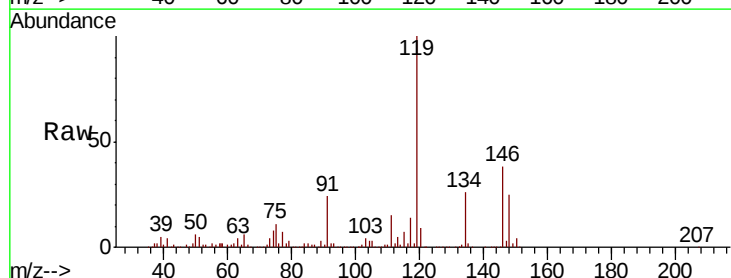
Tgt Ion:119 Resp: 357297

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 23.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

300000

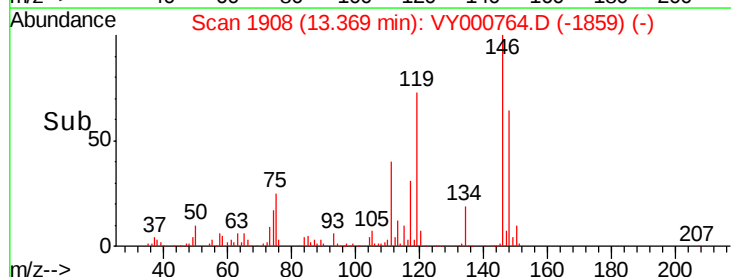
200000

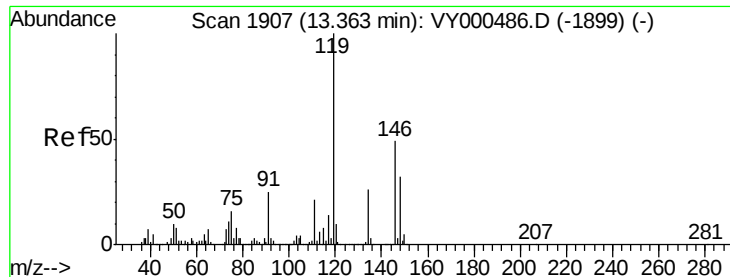
100000

0

13.30 13.35 13.40

Time-->

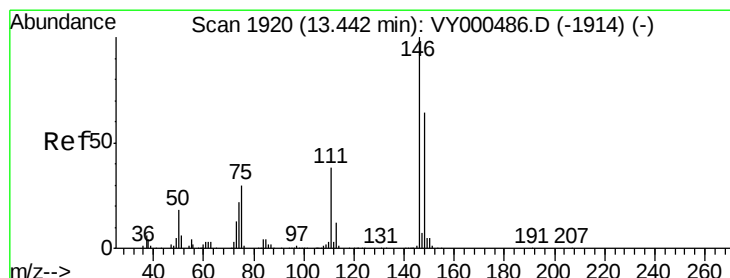
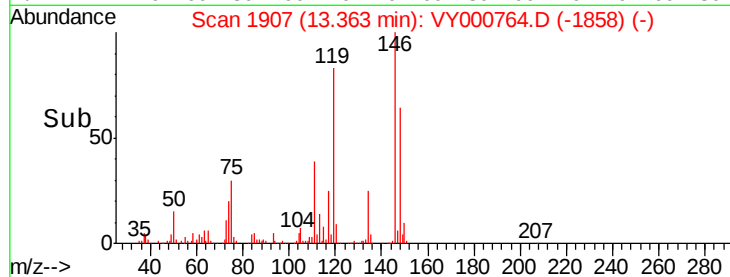
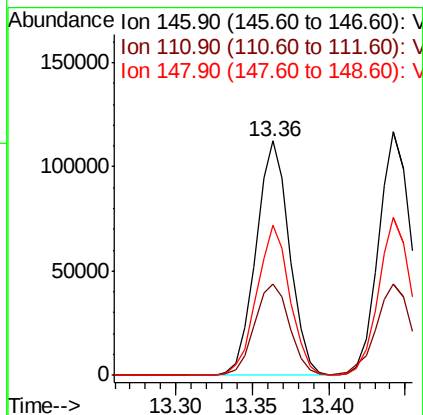
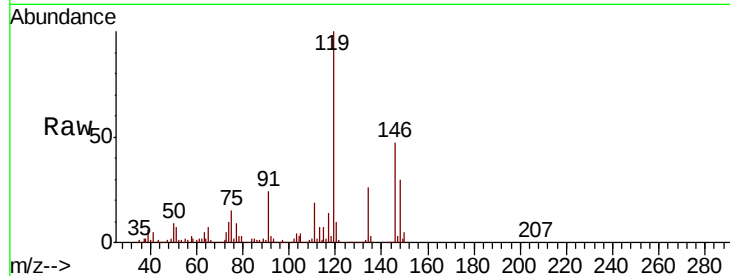




#87
 1,3-Dichlorobenzene
 Concen: 21.486 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

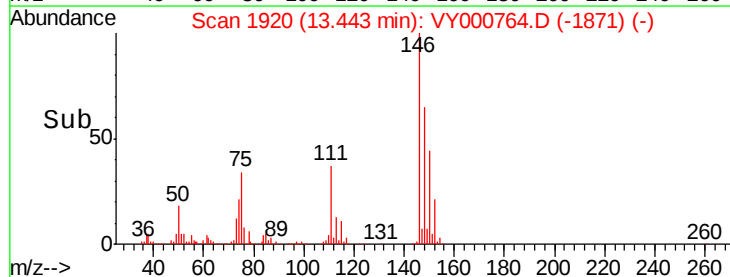
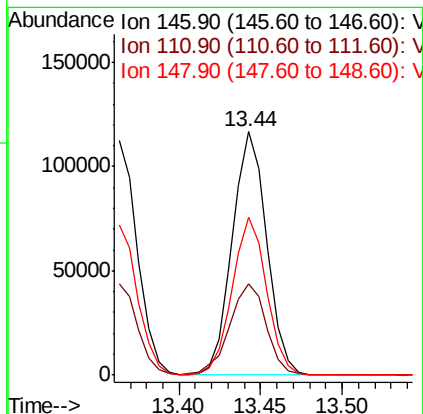
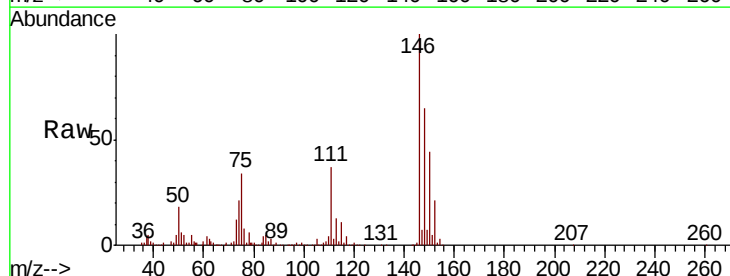
Instrument :
 MSVOA_Y
 ClientSampleId :

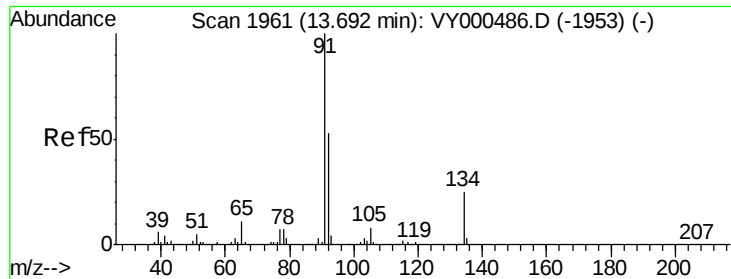
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.0	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 21.515 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.6	31.9	95.7

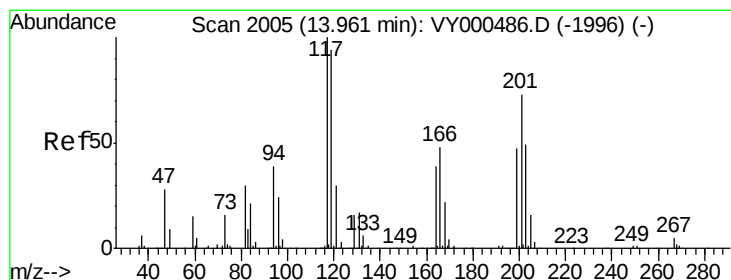
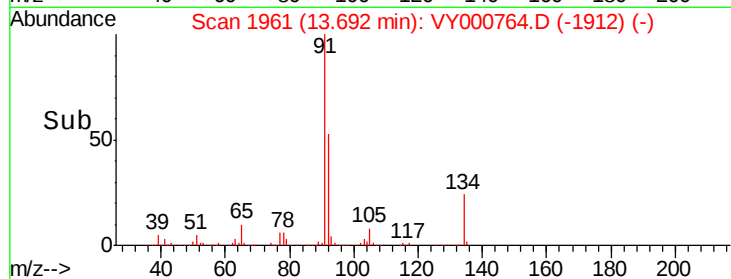
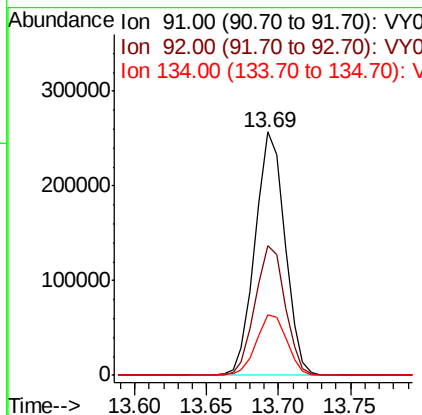
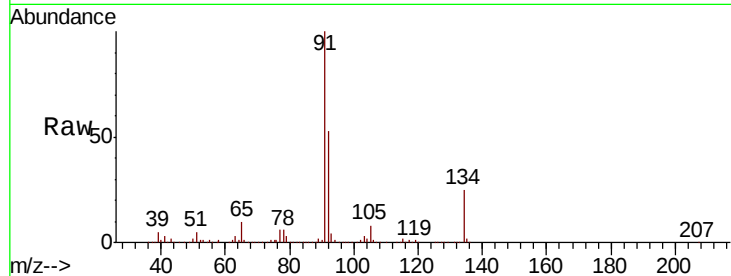




#89
n-Butylbenzene
Concen: 22.906 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

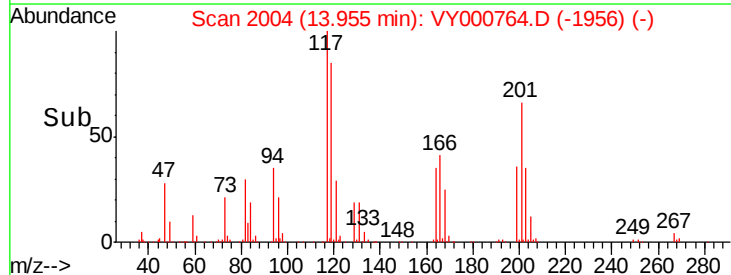
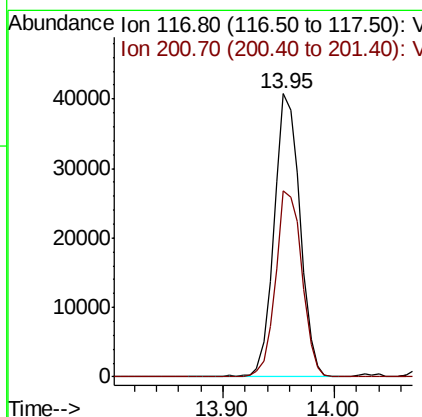
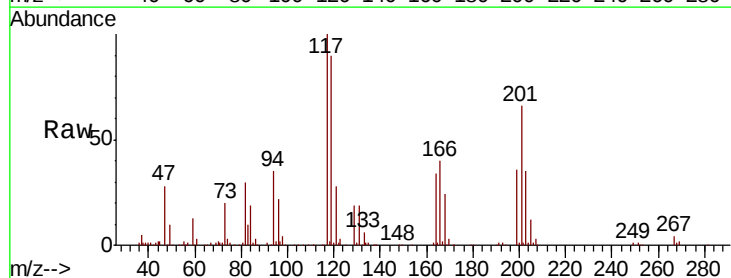
Instrument :
MSVOA_Y
ClientSampleId :

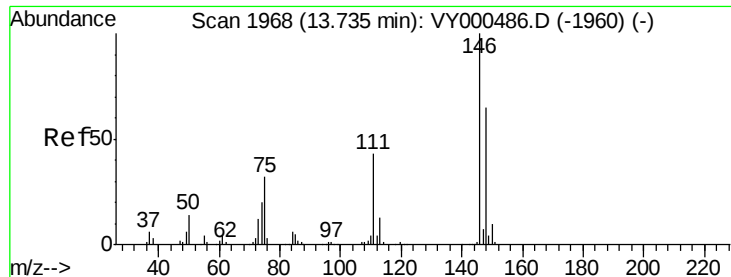
Tot Ion: 91 Resp: 367150
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 25.5 12.9 38.7



#90
Hexachloroethane
Concen: 21.925 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion: 117 Resp: 65870
Ion Ratio Lower Upper
117 100
201 66.5 35.8 107.3

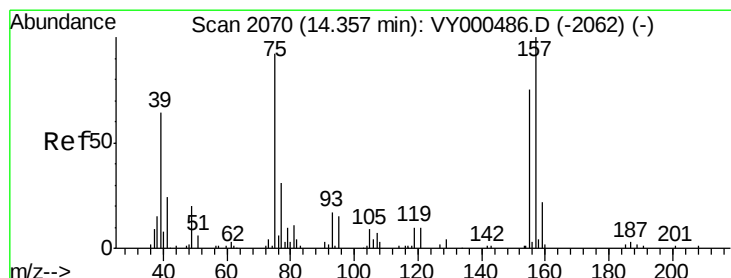
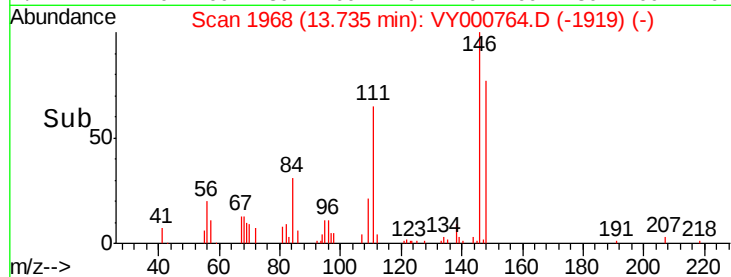
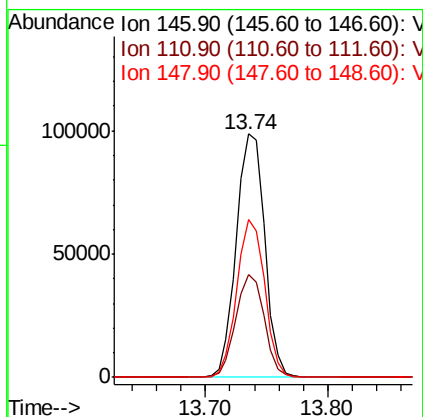
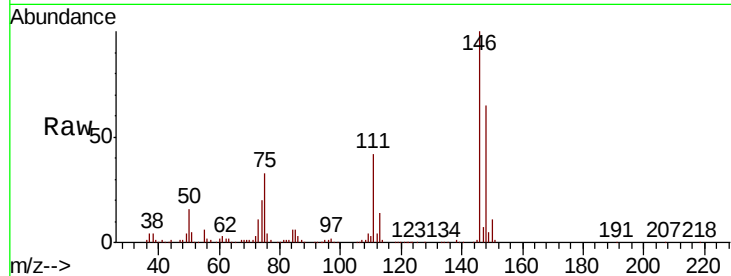




#91
 1,2-Dichlorobenzene
 Concen: 21.873 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

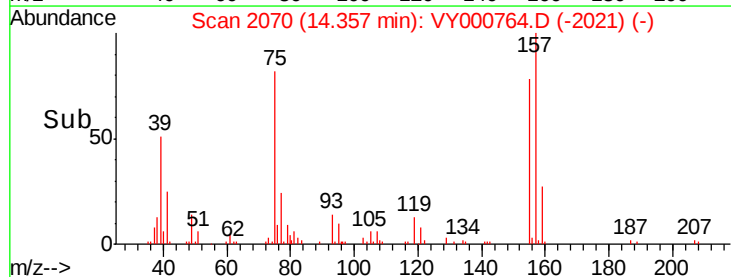
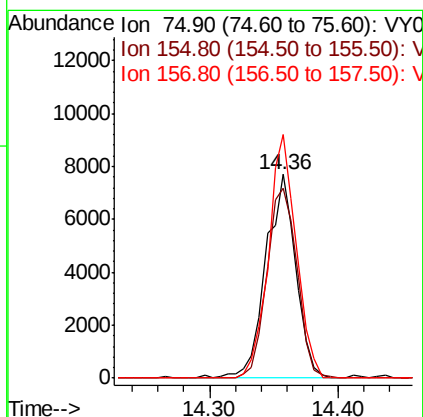
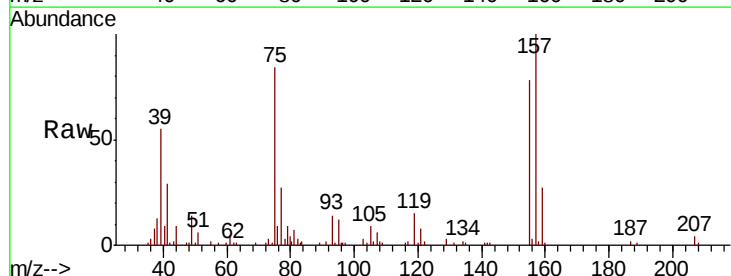
Instrument :
 MSVOA_Y
 ClientSampled :

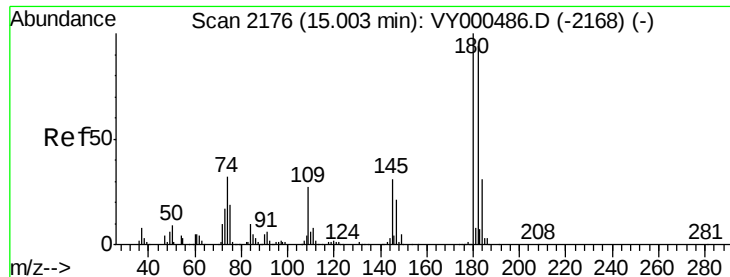
Tot Ion:146 Resp: 158647
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.5 61.5
 148 63.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.689 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion: 75 Resp: 12417
 Ion Ratio Lower Upper
 75 100
 155 94.3 42.4 127.1
 157 111.1 55.1 165.3

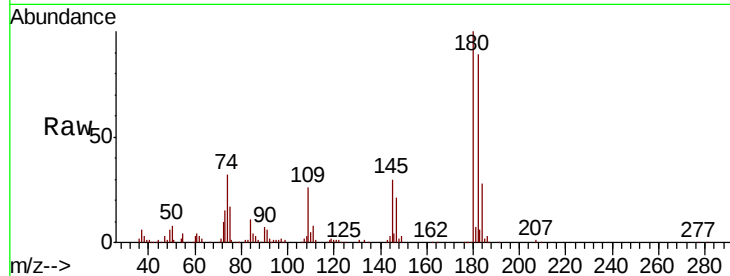




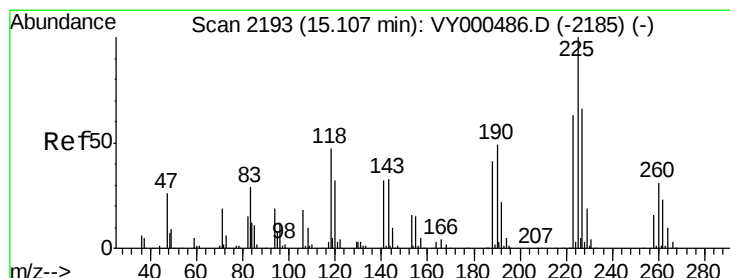
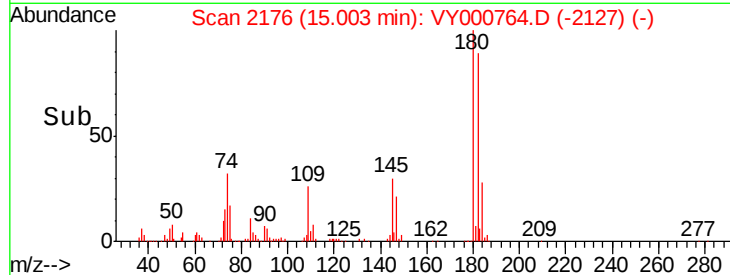
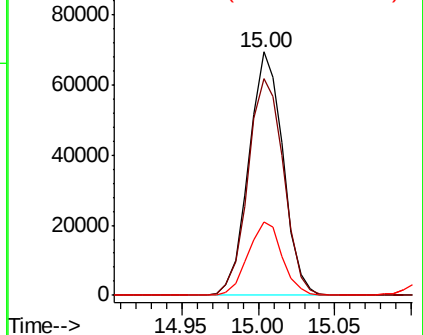
#93
 1,2,4-Trichlorobenzene
 Concen: 21.905 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.8	143.4
145	30.0	16.0	47.9

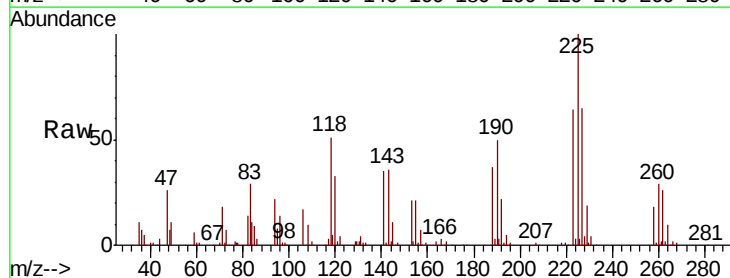


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

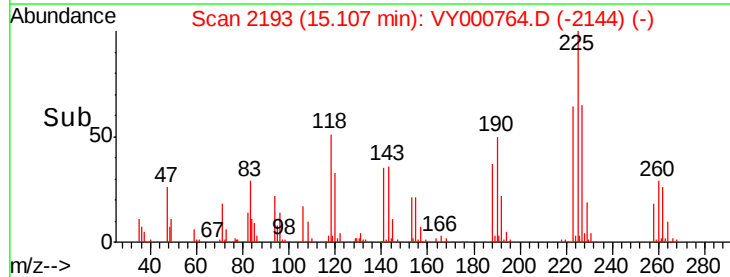
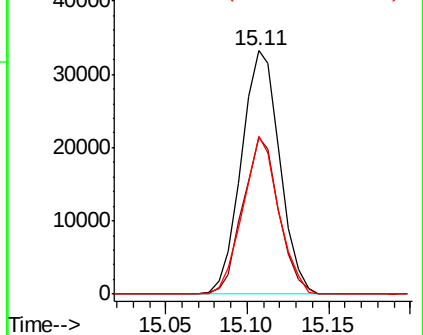


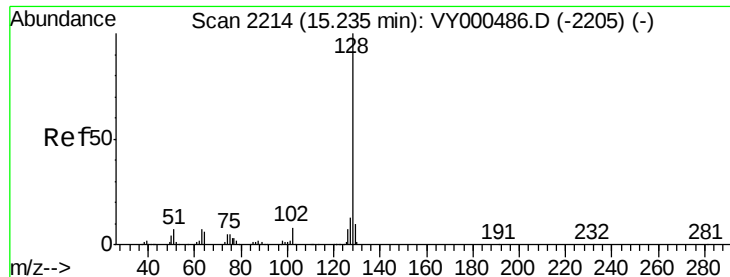
#94
 Hexachlorobutadiene
 Concen: 21.291 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000764.D
 Acq: 21 Nov 2019 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.3	93.8
227	60.8	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

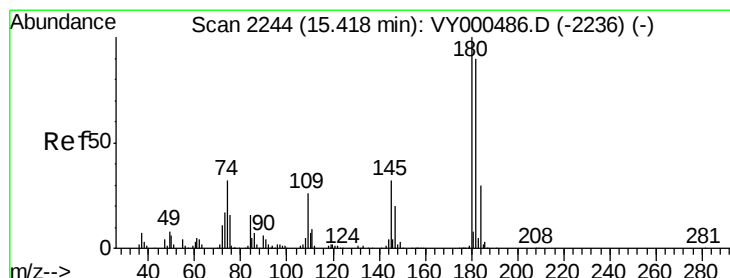
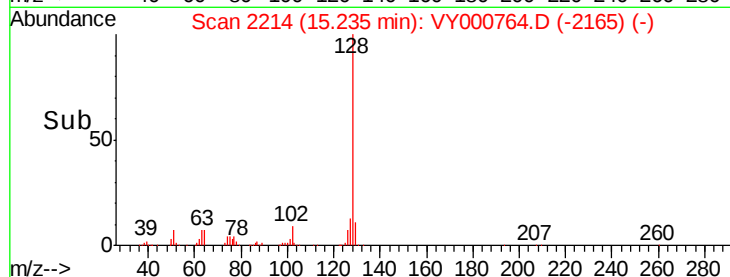
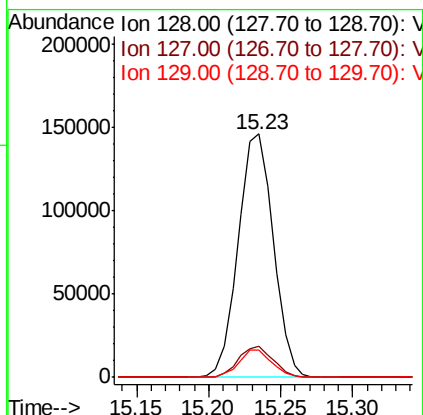
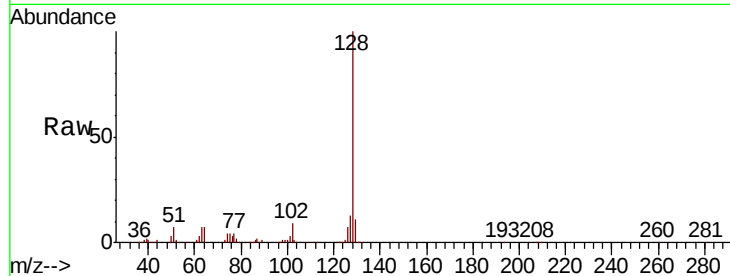




#95
Naphthalene
Concen: 22.532 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 247022
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.632 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000764.D
Acq: 21 Nov 2019 13:52

Tgt Ion:180 Resp: 95842
Ion Ratio Lower Upper
180 100
182 93.7 47.4 142.3
145 32.0 15.7 47.0

