

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000053.D
 Acq On : 17 Sep 2019 11:20
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 12:10:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	113277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	225933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	193442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	82164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	27581	22.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.42%	
35) Dibromofluoromethane	7.72	113	28812	22.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.30%	
50) Toluene-d8	10.18	98	106358	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.48	95	42593	22.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	19167	22.737	ug/l	100
3) Chloromethane	2.11	50	25224	18.583	ug/l	99
4) Vinyl Chloride	2.25	62	26877	21.282	ug/l	94
5) Bromomethane	2.62	94	17074	20.992	ug/l	93
6) Chloroethane	2.78	64	17693	20.961	ug/l	93
7) Trichlorofluoromethane	3.11	101	35896	21.524	ug/l	89
8) Diethyl Ether	3.53	74	15754	22.854	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.89	101	26970	23.693	ug/l	92
10) Methyl Iodide	4.08	142	25002	20.199	ug/l	98
11) Tert butyl alcohol	4.98	59	15794	100.881	ug/l #	89
12) 1,1-Dichloroethene	3.86	96	23587	22.333	ug/l	88
13) Acrolein	3.73	56	12201	110.213	ug/l	94
14) Allyl chloride	4.46	41	37007	22.554	ug/l	97
15) Acrylonitrile	5.16	53	46803	107.797	ug/l	99
16) Acetone	3.95	43	31076	92.549	ug/l	91
17) Carbon Disulfide	4.18	76	44090	20.736	ug/l	96
18) Methyl Acetate	4.48	43	20688	21.478	ug/l	100
19) Methyl tert-butyl Ether	5.21	73	72961	22.532	ug/l	91
20) Methylene Chloride	4.72	84	29270	21.313	ug/l	92
21) trans-1,2-Dichloroethene	5.21	96	25315	21.534	ug/l	92
22) Diisopropyl ether	6.12	45	82398	22.638	ug/l	97
23) Vinyl Acetate	6.06	43	264962	105.685	ug/l	99
24) 1,1-Dichloroethane	6.03	63	47842	22.130	ug/l	96
25) 2-Butanone	6.99	43	56493	102.190	ug/l	99
26) 2,2-Dichloropropane	6.98	77	44114	22.112	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	32213	21.811	ug/l	97
28) Bromochloromethane	7.33	49	20627	21.196	ug/l	94
29) Tetrahydrofuran	7.35	42	34056	103.246	ug/l	98
30) Chloroform	7.51	83	49325	22.076	ug/l	94
31) Cyclohexane	7.78	56	37960	21.325	ug/l	89
32) 1,1,1-Trichloroethane	7.70	97	38768	21.325	ug/l	98
36) 1,1-Dichloropropene	7.92	75	34779	20.773	ug/l	98
37) Ethyl Acetate	7.08	43	21890	19.316	ug/l	96
38) Carbon Tetrachloride	7.90	117	33025	20.870	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	41187	19.836	ug/l #	87
40) Benzene	8.16	78	112434	20.488	ug/l	93
41) Methacrylonitrile	7.32	41	13741	21.017	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	30172	21.425	ug/l	99
43) Isopropyl Acetate	8.27	43	43753	19.881	ug/l	98
44) Trichloroethene	8.94	130	28449	20.793	ug/l	95
45) 1,2-Dichloropropane	9.21	63	29655	21.003	ug/l	93
46) Dibromomethane	9.31	93	15581	19.856	ug/l	98
47) Bromodichloromethane	9.50	83	39193	20.932	ug/l	98
48) Methyl methacrylate	9.29	41	18578	19.078	ug/l	94
49) 1,4-Dioxane	9.30	88	6330	384.916	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	120087	97.872	ug/l	99
52) Toluene	10.24	92	71797	20.853	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	40986	20.792	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	47754	20.763	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	24630	19.696	ug/l	97
56) Ethyl methacrylate	10.51	69	36016	20.557	ug/l	96
57) 1,3-Dichloropropane	10.79	76	41576	20.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	92103	98.362	ug/l	100
59) 2-Hexanone	10.83	43	84768	95.466	ug/l	99
60) Dibromochloromethane	10.98	129	25022	19.144	ug/l	92
61) 1,2-Dibromoethane	11.09	107	23412	21.240	ug/l	90
64) Tetrachloroethene	10.72	164	24580	20.471	ug/l	91
65) Chlorobenzene	11.51	112	76432	20.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	26527	20.428	ug/l	99
67) Ethyl Benzene	11.59	91	136827	20.151	ug/l	97
68) m/p-Xylenes	11.70	106	104829	40.855	ug/l	96
69) o-Xylene	12.02	106	51184	20.348	ug/l	98
70) Styrene	12.04	104	90493	20.685	ug/l	98
71) Bromoform	12.21	173	15347	19.703	ug/l #	98
73) Isopropylbenzene	12.33	105	135714	21.195	ug/l	99
74) N-amyl acetate	12.14	43	37662	20.045	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	32517	21.311	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	40783	35.738	ug/l #	100
77) Bromobenzene	12.61	156	28721	21.351	ug/l	96
78) n-propylbenzene	12.66	91	168560	21.535	ug/l	99
79) 2-Chlorotoluene	12.75	91	92487	21.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	111876	20.996	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	12109	20.732	ug/l	94
82) 4-Chlorotoluene	12.85	91	93936	20.506	ug/l	99
83) tert-Butylbenzene	13.07	119	97264	21.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	110507	20.953	ug/l	96
85) sec-Butylbenzene	13.25	105	145240	21.475	ug/l	98
86) p-Isopropyltoluene	13.37	119	121323	21.087	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	57909	21.311	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	56731	20.793	ug/l	97
89) n-Butylbenzene	13.69	91	125053	21.432	ug/l	99
90) Hexachloroethane	13.96	117	23959	20.891	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	52430	20.790	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5518	18.676	ug/l	97

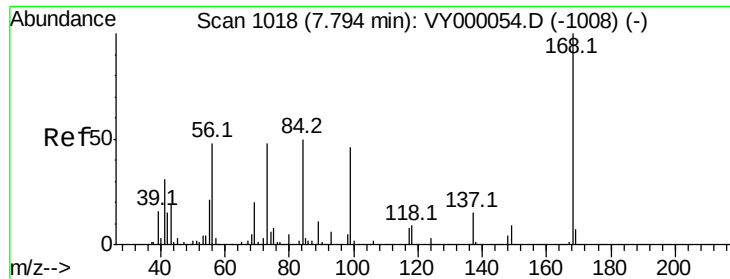
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	32310	20.067	ug/l	98
94) Hexachlorobutadiene	15.10	225	14977	20.260	ug/l	97
95) Naphthalene	15.23	128	90469	20.598	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29973	20.743	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

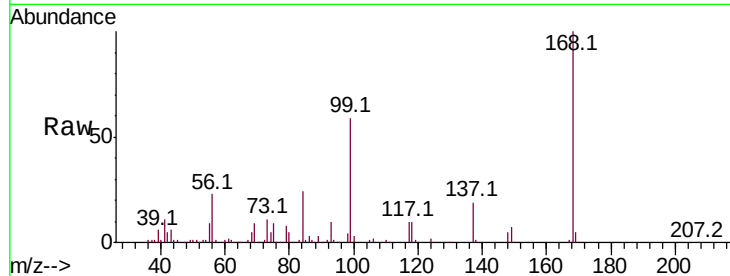
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 113277

Ion Ratio Lower Upper

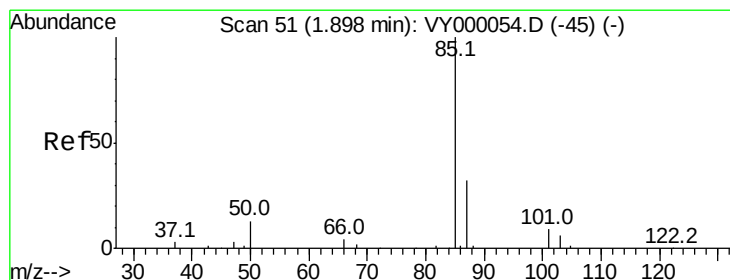
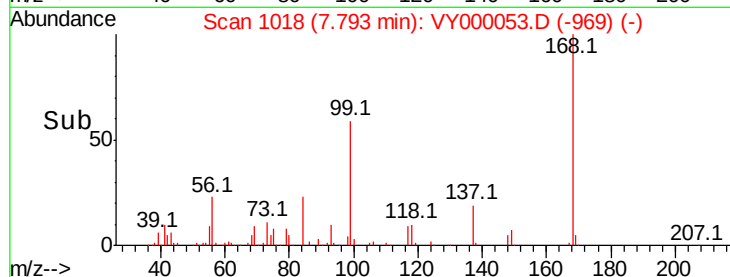
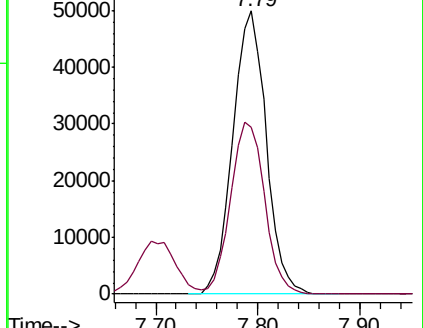
168 100

99 59.0 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)



#2

Dichlorodifluoromethane

Concen: 22.737 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000053.D

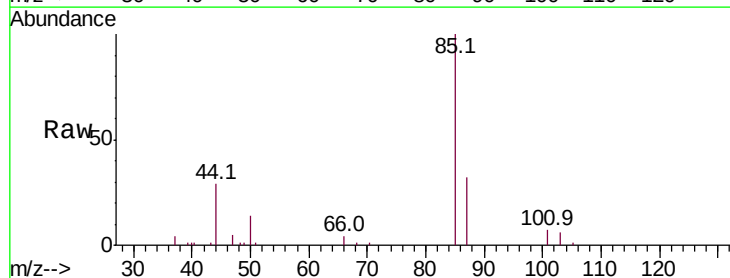
Acq: 17 Sep 2019 11:20

Tgt Ion: 85 Resp: 19167

Ion Ratio Lower Upper

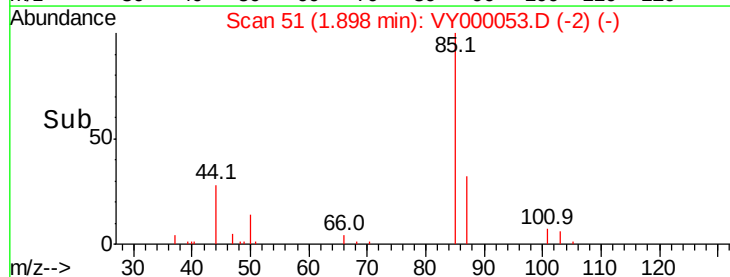
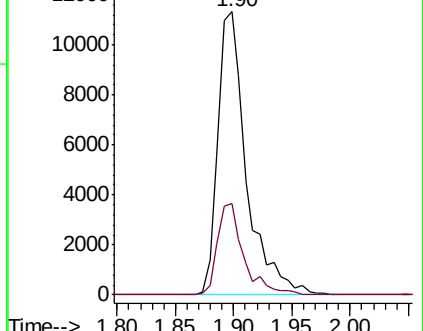
85 100

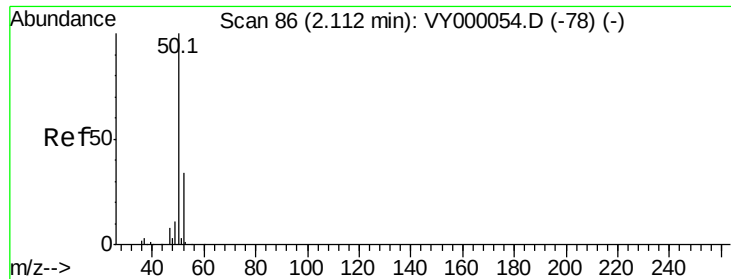
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)





#3

Chloromethane

Concen: 18.583 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

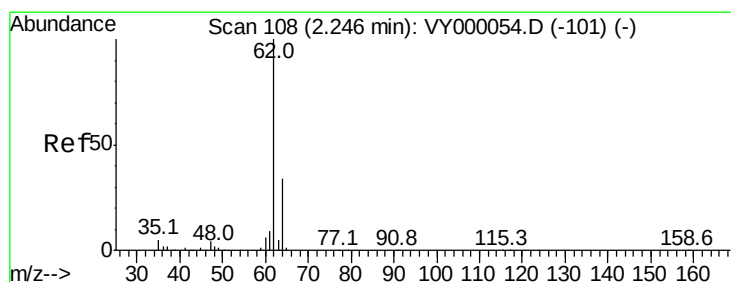
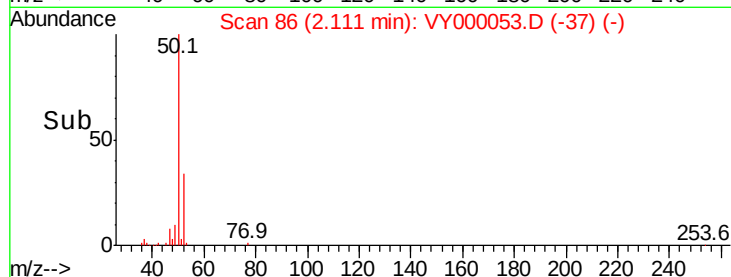
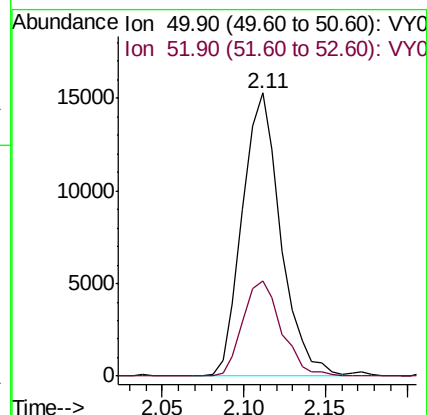
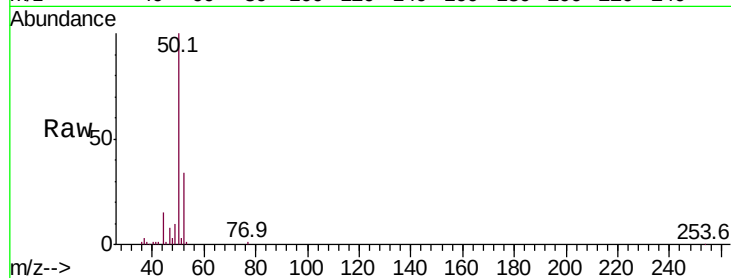
ClientSampleId :

Tot Ion: 50 Resp: 25224

Ion Ratio Lower Upper

50 100

52 33.6 27.3 40.9



#4

Vinyl Chloride

Concen: 21.282 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000053.D

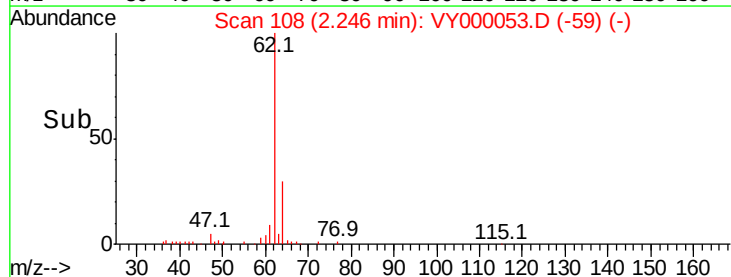
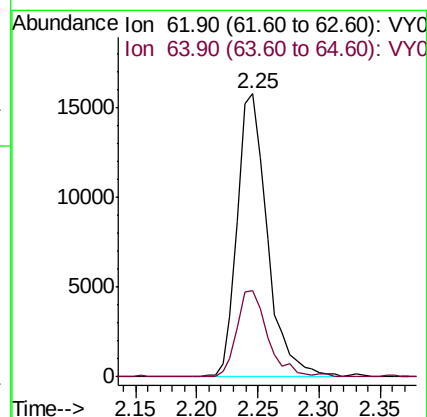
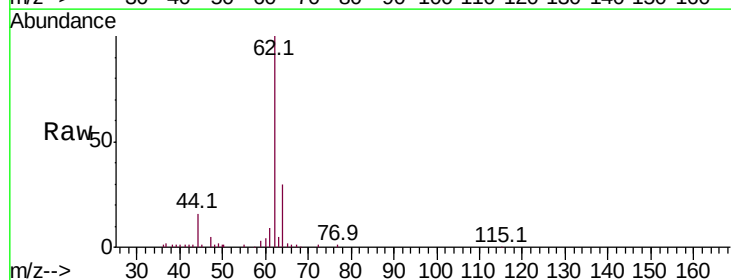
Acq: 17 Sep 2019 11:20

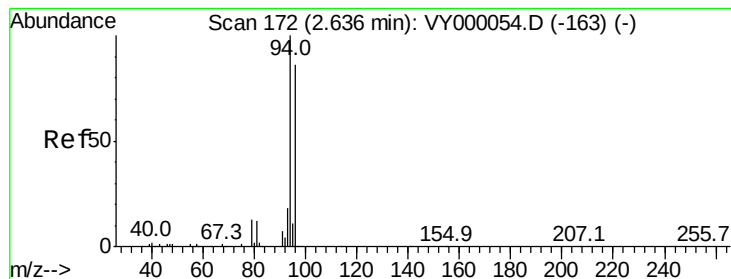
Tgt Ion: 62 Resp: 26877

Ion Ratio Lower Upper

62 100

64 30.3 26.9 40.3





#5

Bromomethane

Concen: 20.992 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

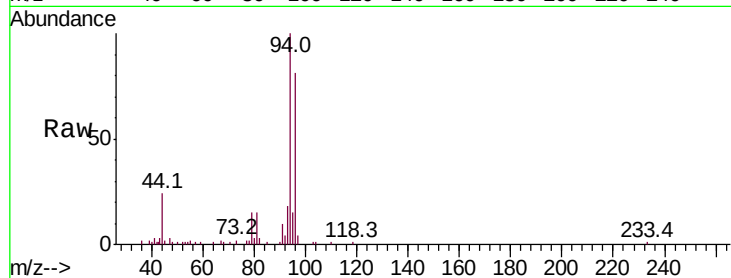
ClientSampleId :

Tot Ion: 94 Resp: 17074

Ion Ratio Lower Upper

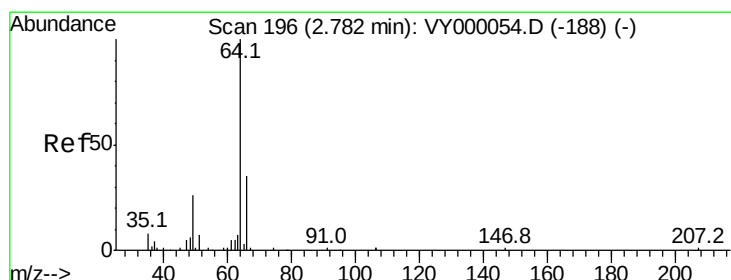
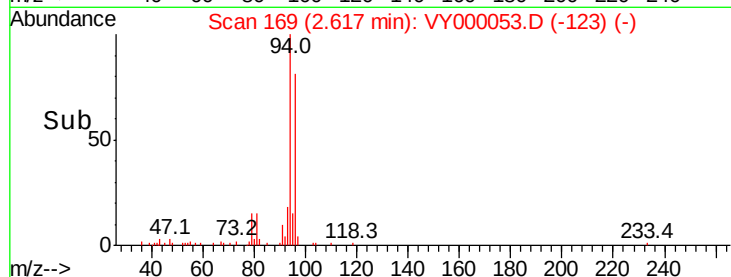
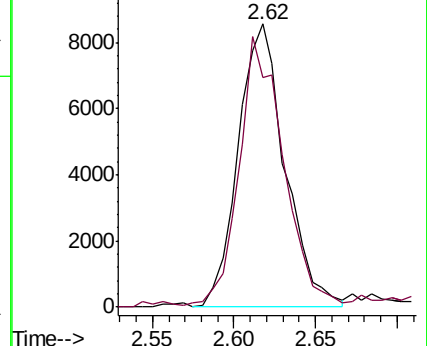
94 100

96 79.7 69.1 103.7



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.961 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000053.D

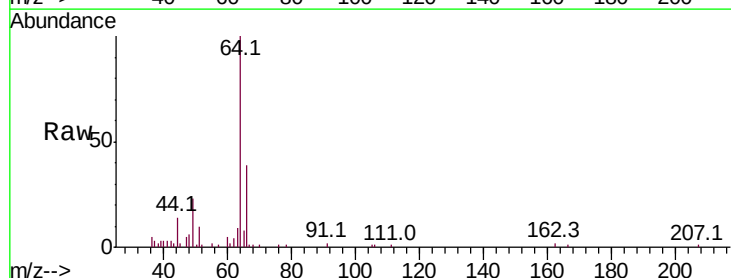
Acq: 17 Sep 2019 11:20

Tgt Ion: 64 Resp: 17693

Ion Ratio Lower Upper

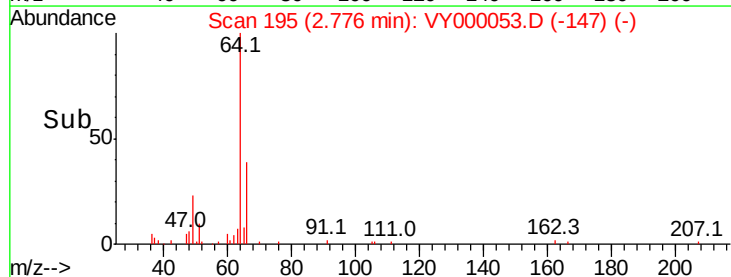
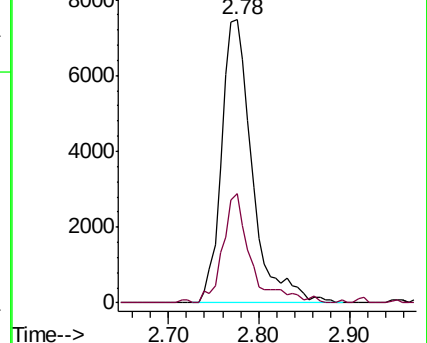
64 100

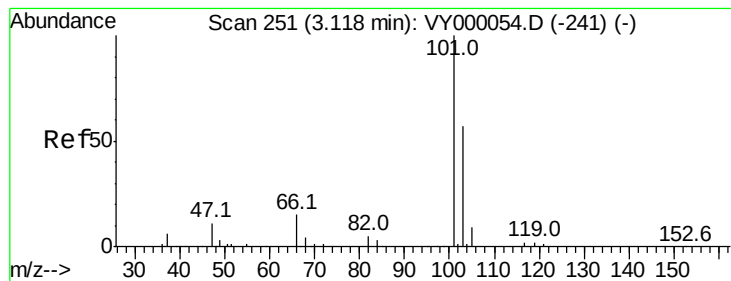
66 38.7 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



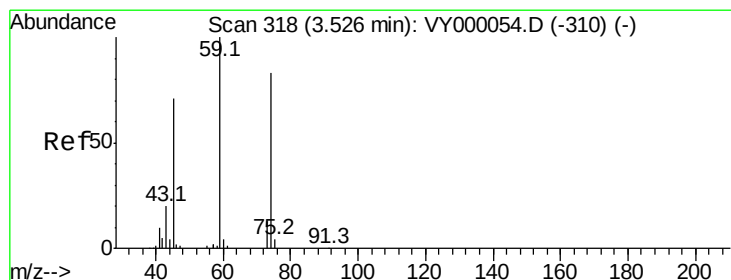
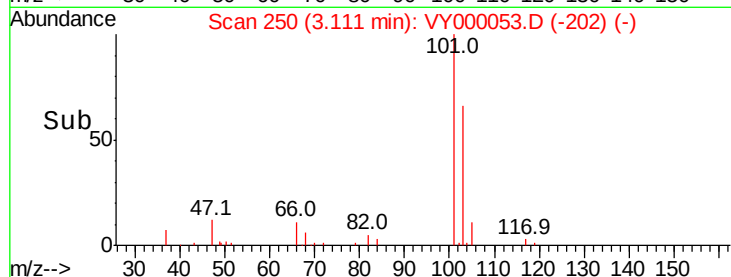
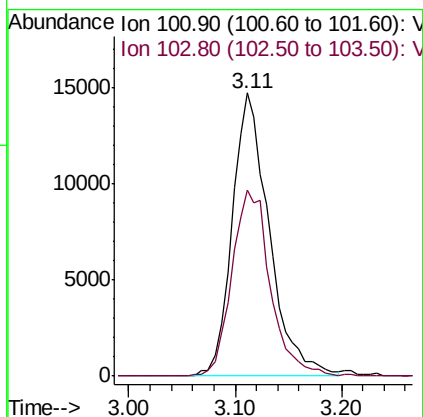
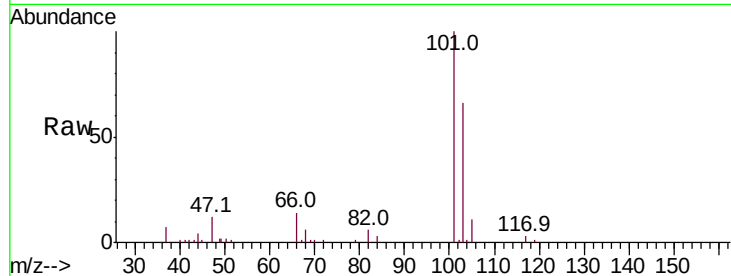


#7

Trichlorofluoromethane
 Concen: 21.524 ug/l
 RT: 3.11 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :

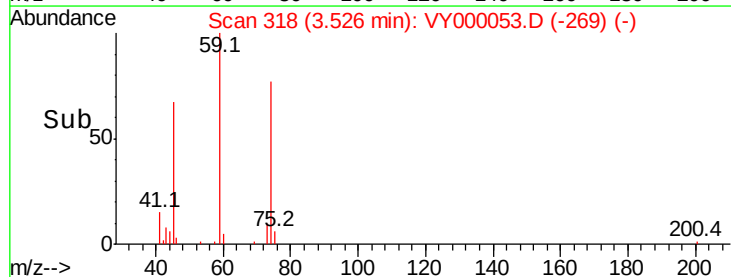
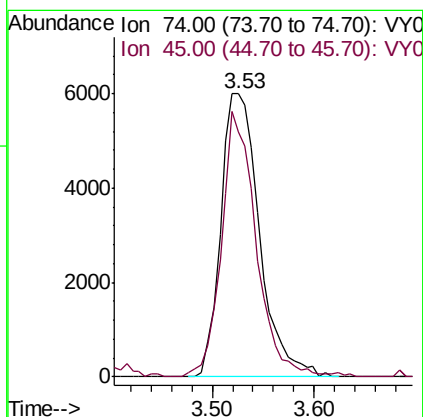
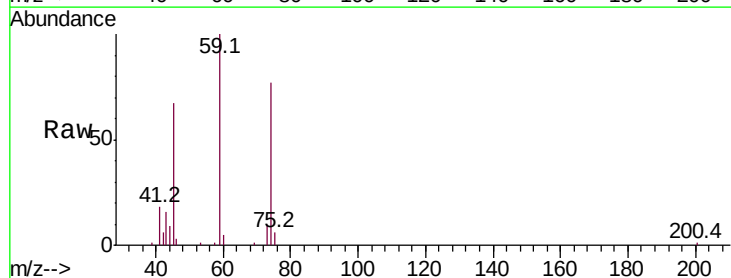
Tot Ion:101 Resp: 35896
 Ion Ratio Lower Upper
 101 100
 103 65.5 45.7 68.5

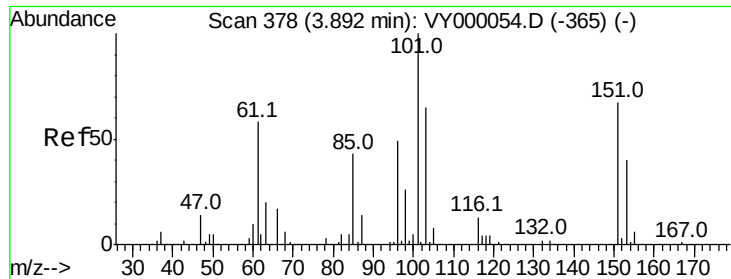


#8

Diethyl Ether
 Concen: 22.854 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 74 Resp: 15754
 Ion Ratio Lower Upper
 74 100
 45 84.1 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.693 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

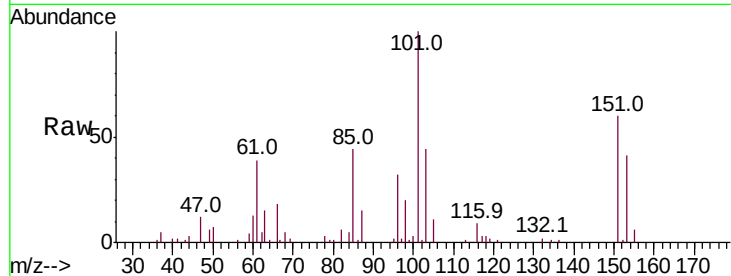
Tot Ion:101 Resp: 26970

Ion Ratio Lower Upper

101 100

85 42.9 36.8 55.2

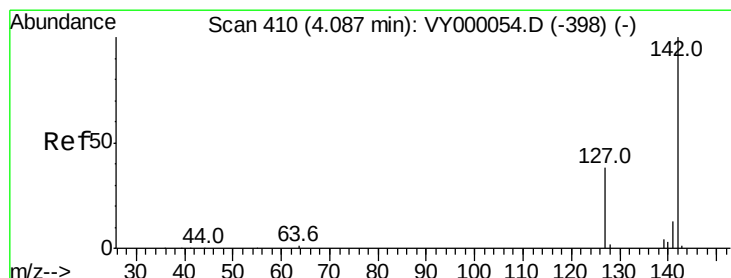
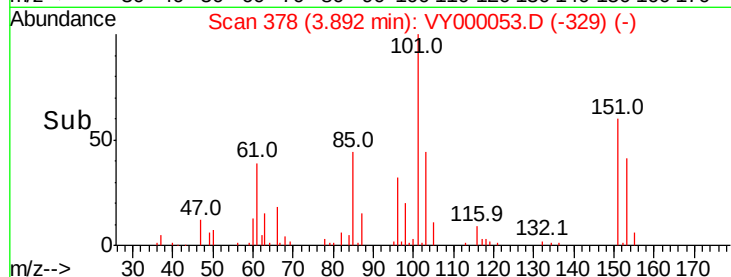
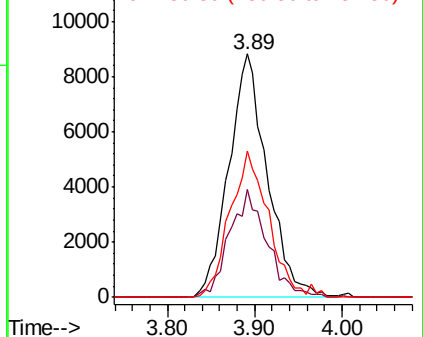
151 59.5 54.4 81.6



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: 20.199 ug/l

RT: 4.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

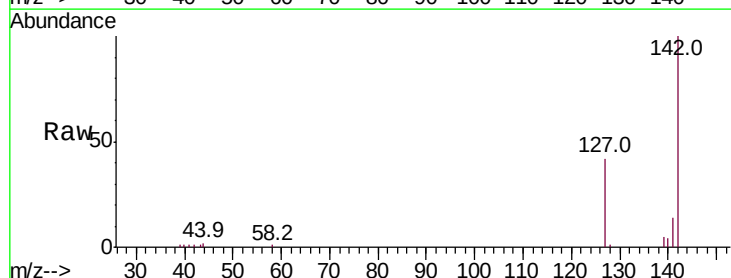
Tgt Ion:142 Resp: 25002

Ion Ratio Lower Upper

142 100

127 40.8 31.6 47.4

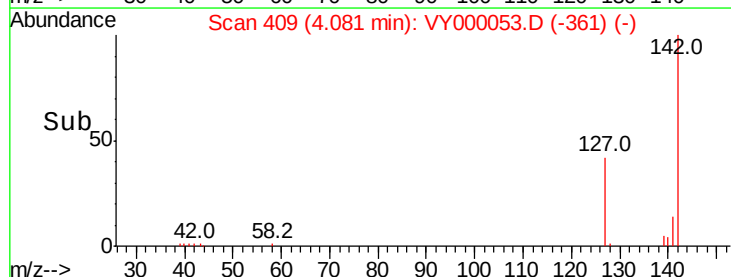
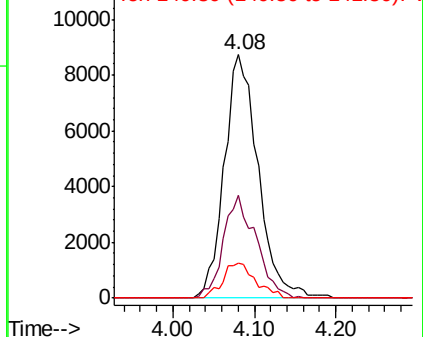
141 13.9 10.9 16.3

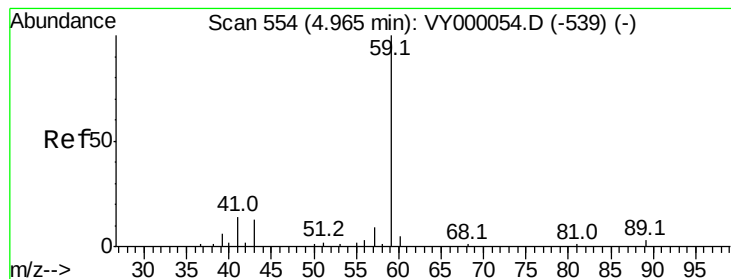


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



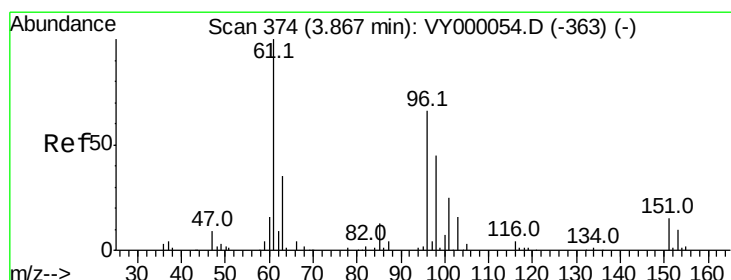
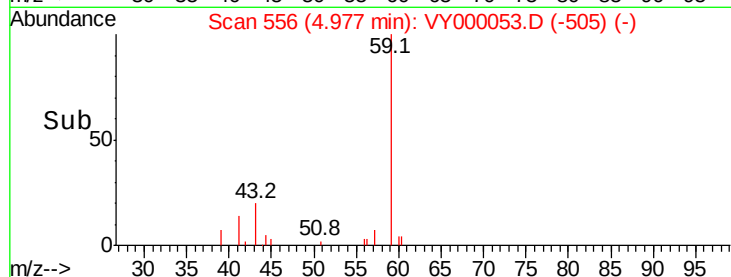
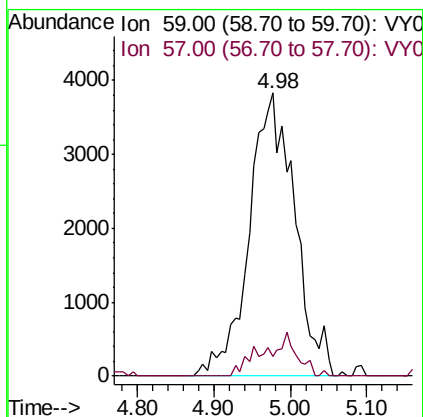
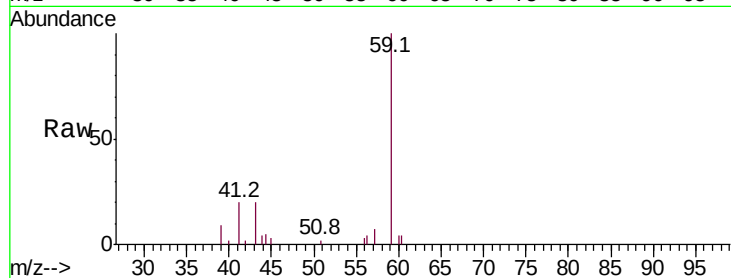


#11

Tert butyl alcohol
 Concen: 100.881 ug/l
 RT: 4.98 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :

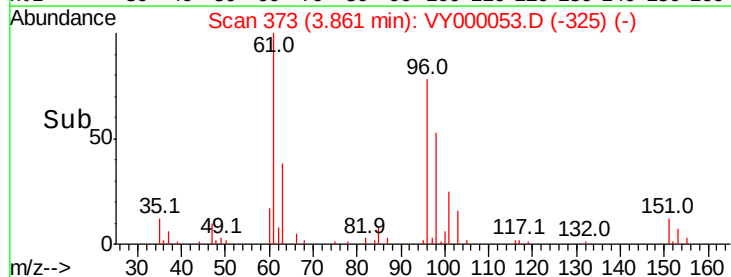
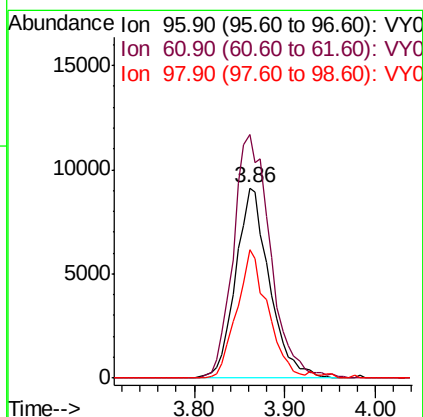
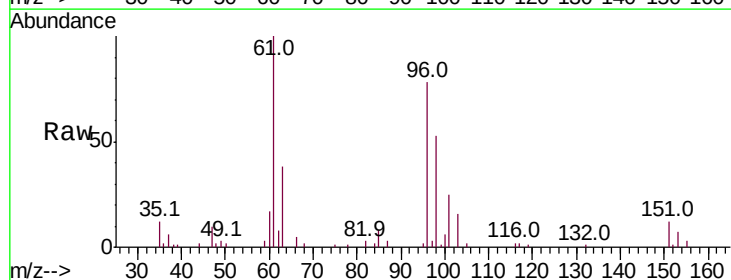
Tot Ion: 59 Resp: 15794
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.0 12.0#

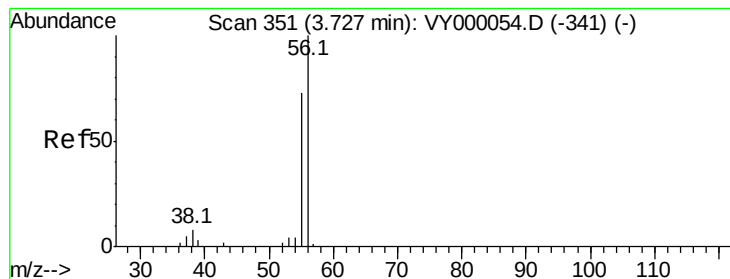


#12

1,1-Dichloroethene
 Concen: 22.333 ug/l
 RT: 3.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 96 Resp: 23587
 Ion Ratio Lower Upper
 96 100
 61 128.2 120.4 180.6
 98 67.5 54.1 81.1





#13

Acrolein

Concen: 110.213 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

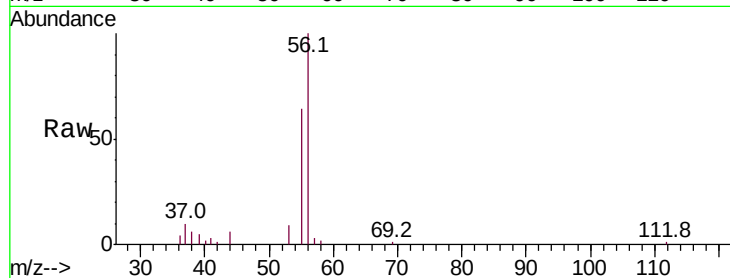
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 12201

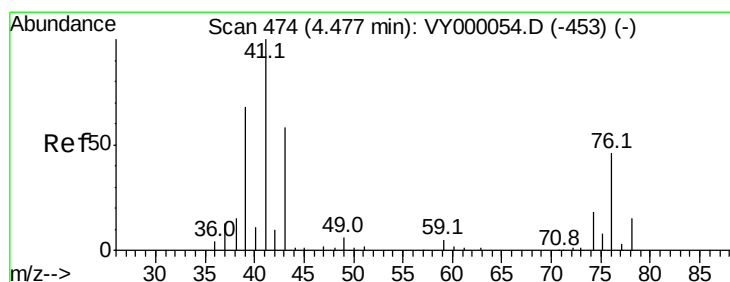
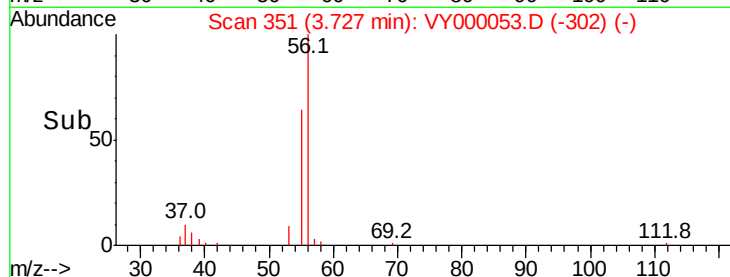
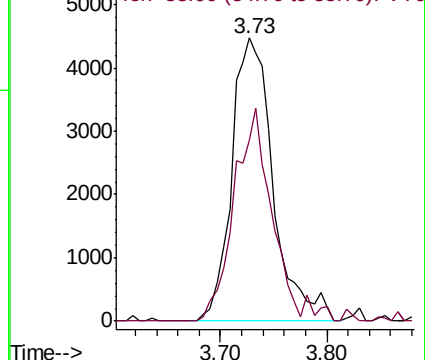
Ion Ratio Lower Upper

56 100

55 67.1 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 22.554 ug/l

RT: 4.46 min Scan# 472

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

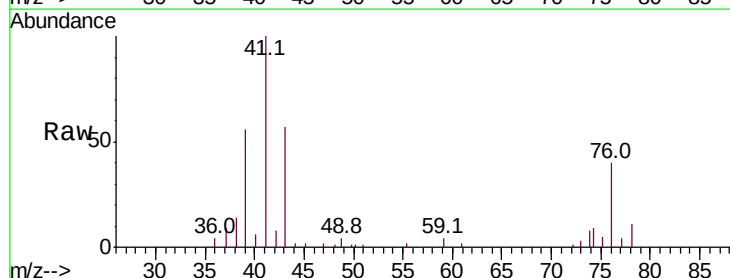
Tgt Ion: 41 Resp: 37007

Ion Ratio Lower Upper

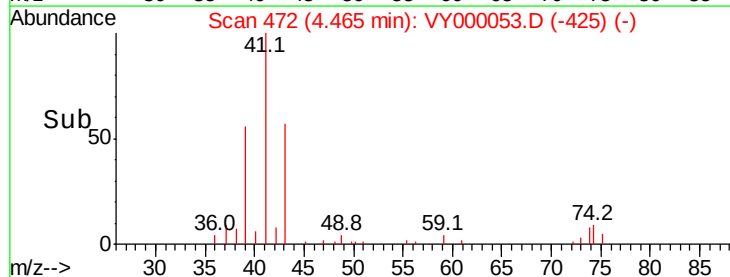
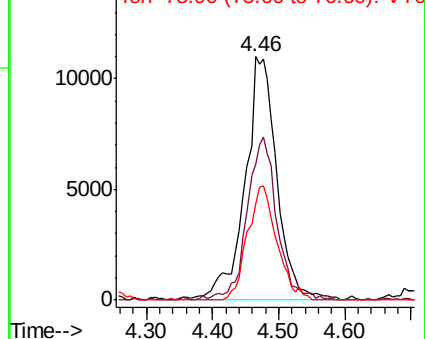
41 100

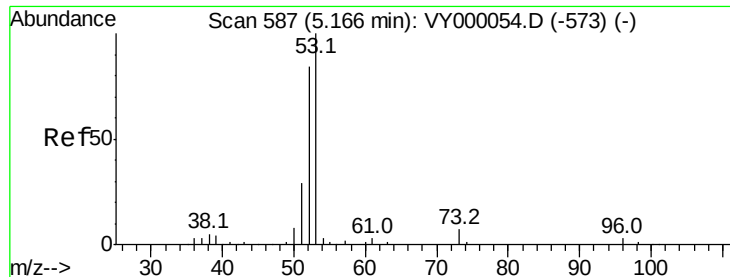
39 62.6 52.7 79.1

76 43.1 35.5 53.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 107.797 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :
MSVOA_Y
ClientSampleId :

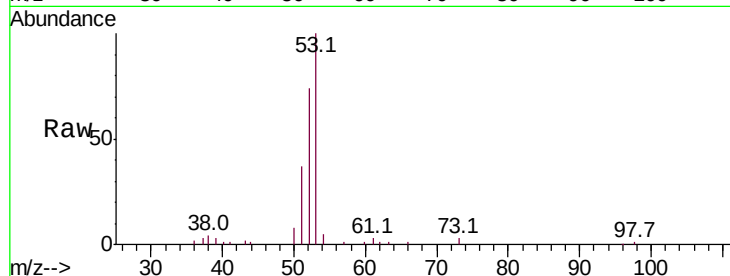
Tot Ion: 53 Resp: 46803

Ion Ratio Lower Upper

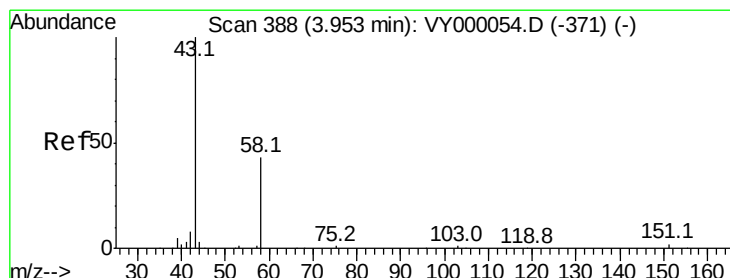
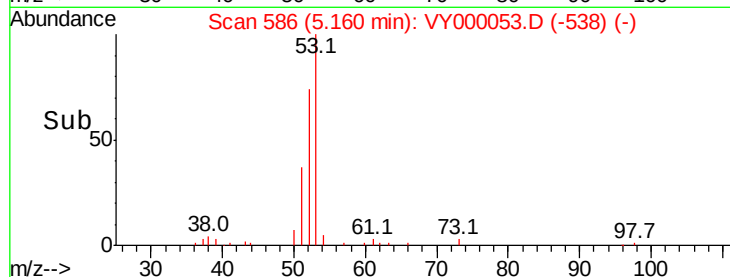
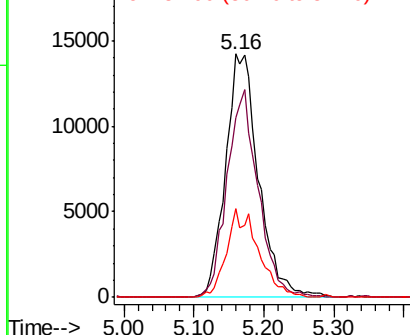
53 100

52 80.2 64.7 97.1

51 34.9 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 92.549 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000053.D

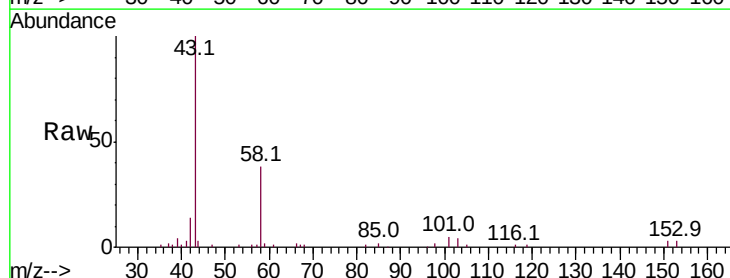
Acq: 17 Sep 2019 11:20

Tgt Ion: 43 Resp: 31076

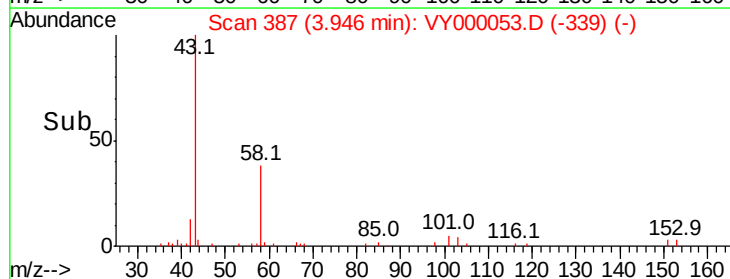
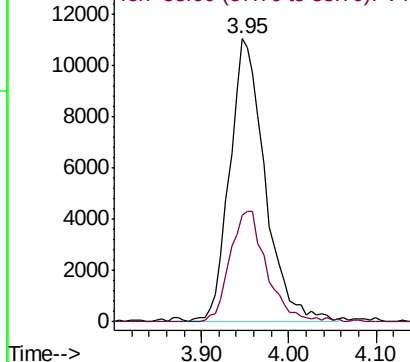
Ion Ratio Lower Upper

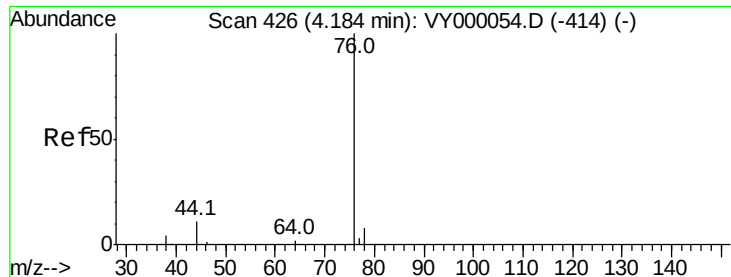
43 100

58 37.5 34.5 51.7



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





#17

Carbon Disulfide

Concen: 20.736 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

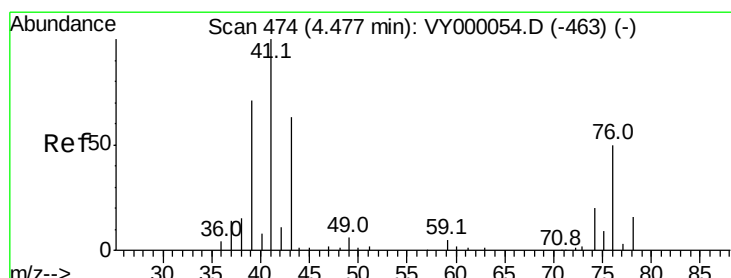
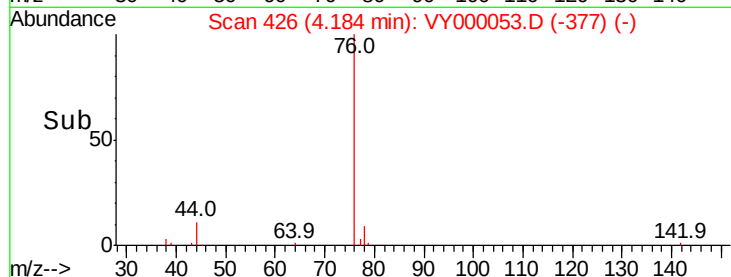
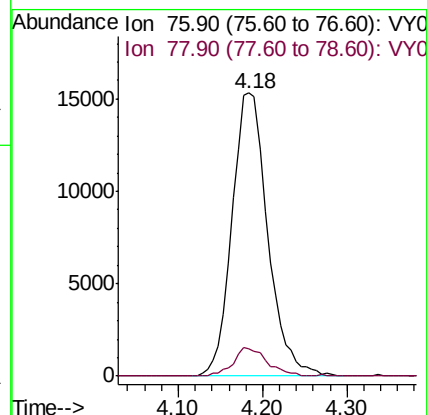
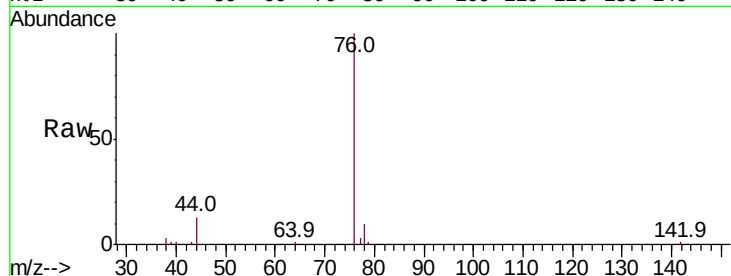
ClientSampleId :

Tot Ion: 76 Resp: 44090

Ion Ratio Lower Upper

76 100

78 9.7 6.6 9.8



#18

Methyl Acetate

Concen: 21.478 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000053.D

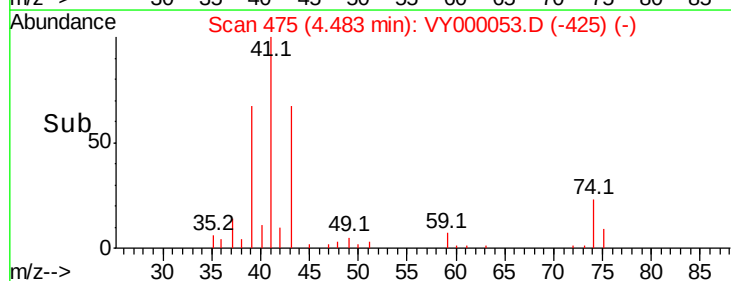
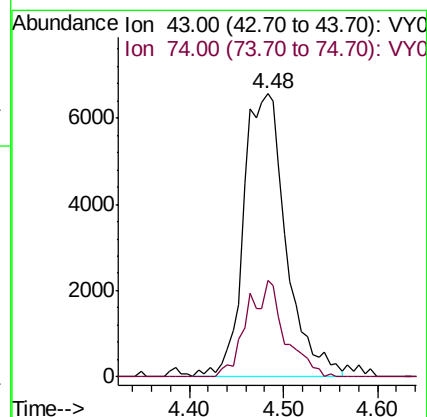
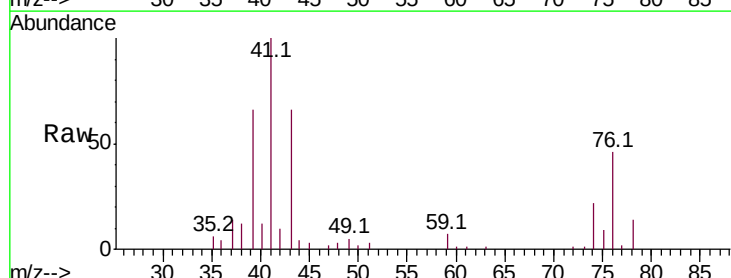
Acq: 17 Sep 2019 11:20

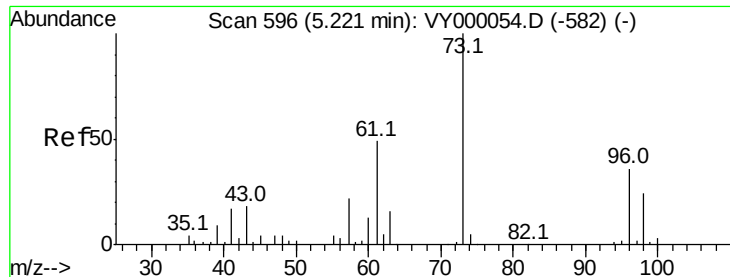
Tgt Ion: 43 Resp: 20688

Ion Ratio Lower Upper

43 100

74 30.3 24.1 36.1

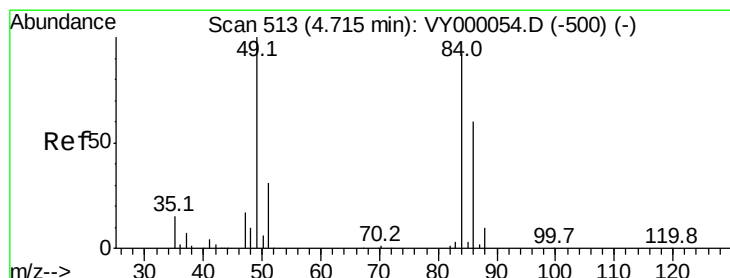
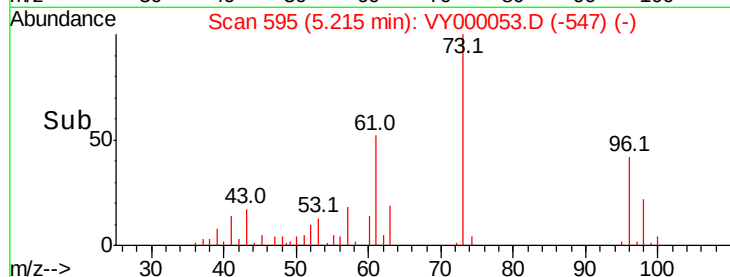
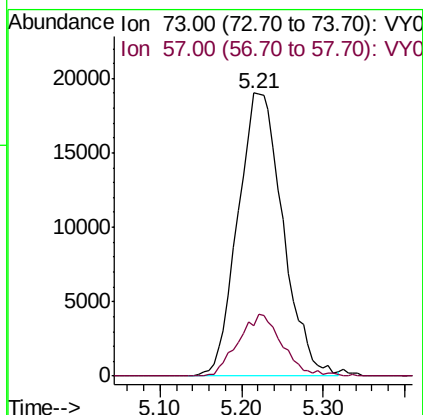
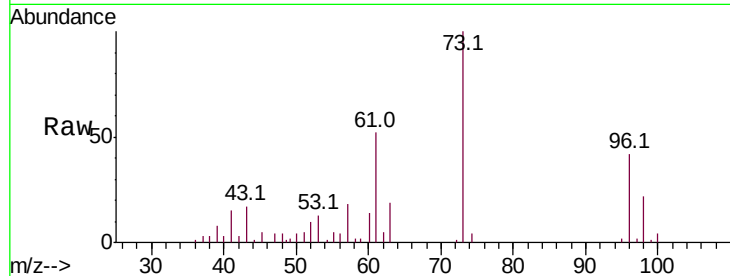




#19
Methyl tert-butyl Ether
Concen: 22.532 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

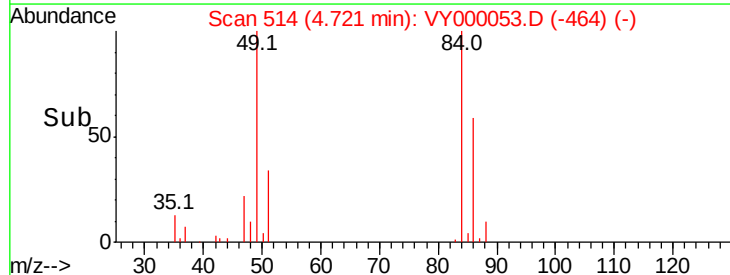
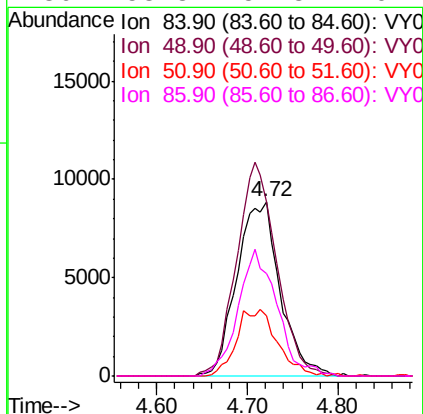
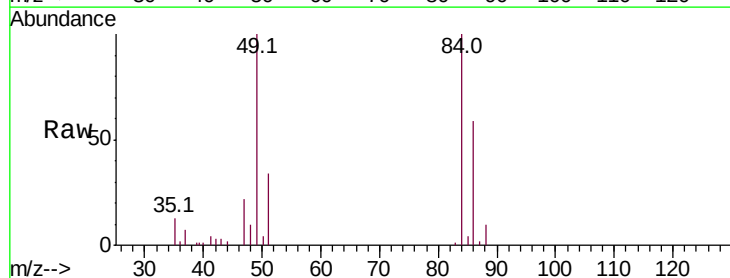
Instrument :
MSVOA_Y
ClientSampled :

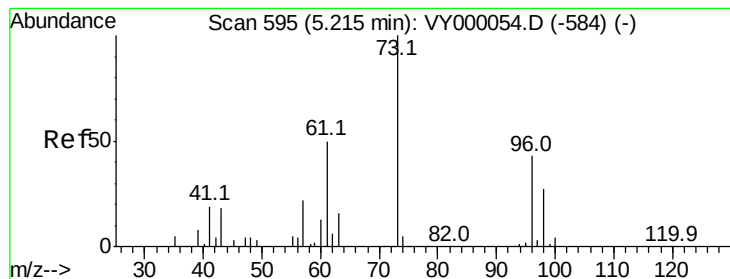
Tot Ion: 73 Resp: 72961
Ion Ratio Lower Upper
73 100
57 17.8 17.5 26.3



#20
Methylene Chloride
Concen: 21.313 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 84 Resp: 29270
Ion Ratio Lower Upper
84 100
49 99.8 87.4 131.0
51 34.4 27.2 40.8
86 58.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 21.534 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

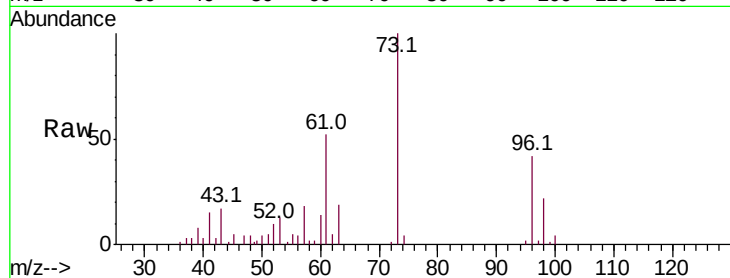
Tot Ion: 96 Resp: 25315

Ion Ratio Lower Upper

96 100

61 123.0 94.0 141.0

98 52.8 50.3 75.5

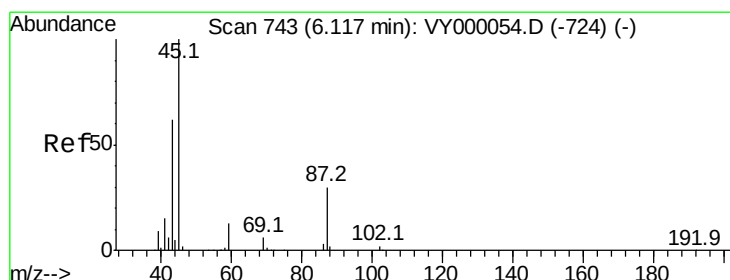
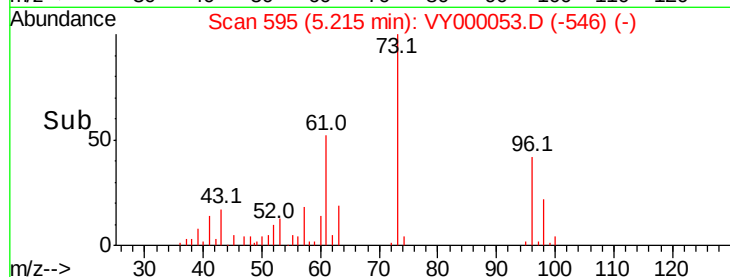
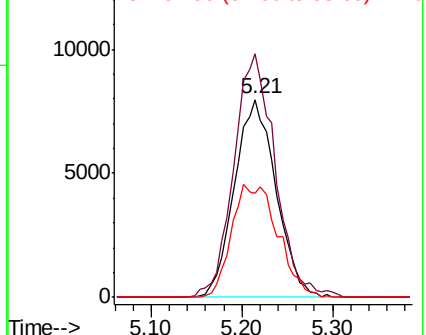


Abundance

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



#22

Diisopropyl ether

Concen: 22.638 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Tgt Ion: 45 Resp: 82398

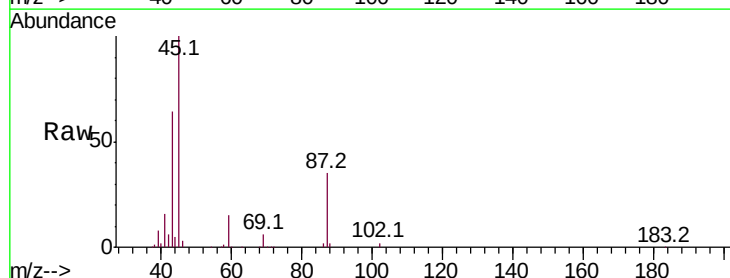
Ion Ratio Lower Upper

45 100

43 63.8 49.9 74.9

87 34.7 25.0 37.4

59 14.6 10.4 15.6



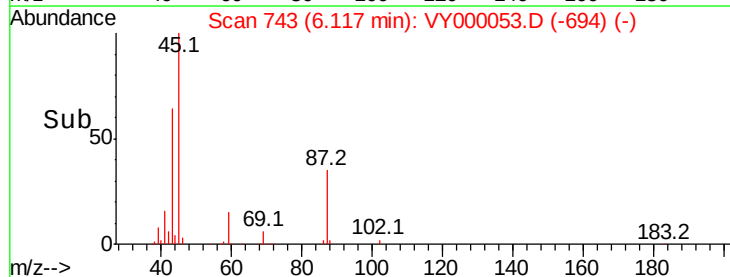
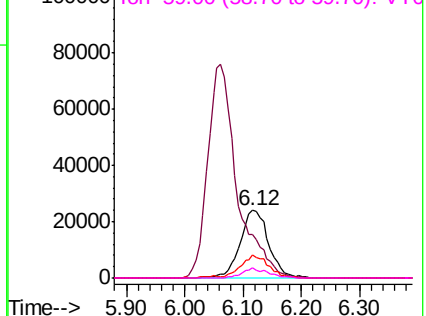
Abundance

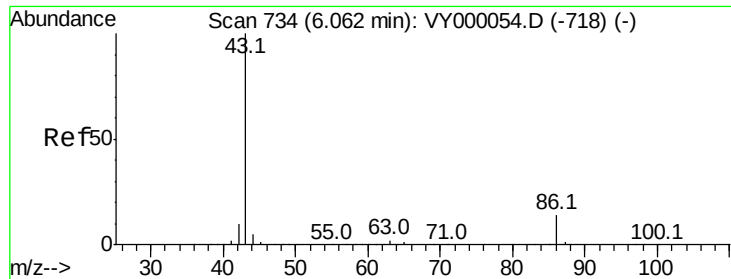
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 105.685 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

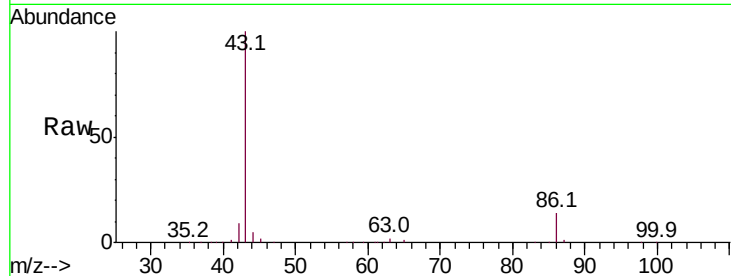
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 264962

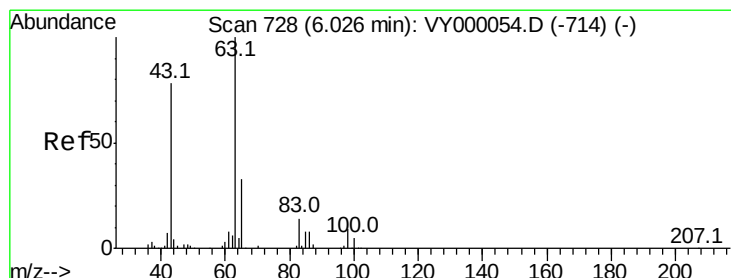
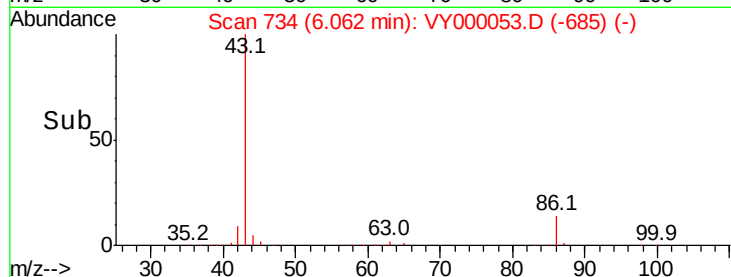
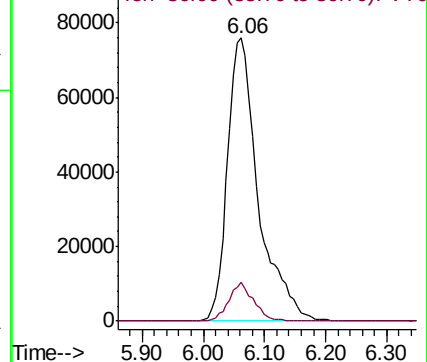
Ion Ratio Lower Upper

43 100

86 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.130 ug/l

RT: 6.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

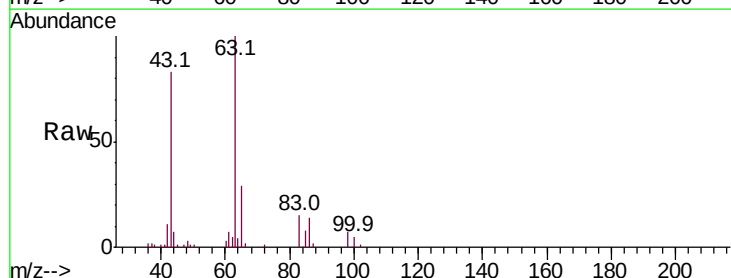
Tgt Ion: 63 Resp: 47842

Ion Ratio Lower Upper

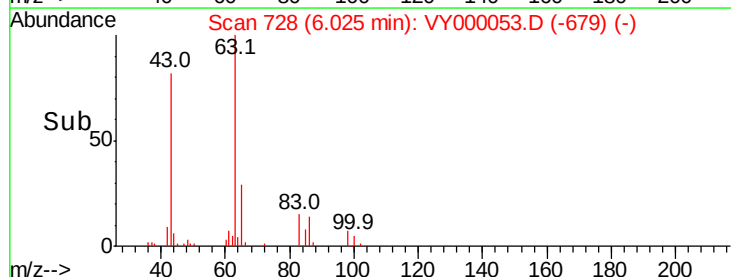
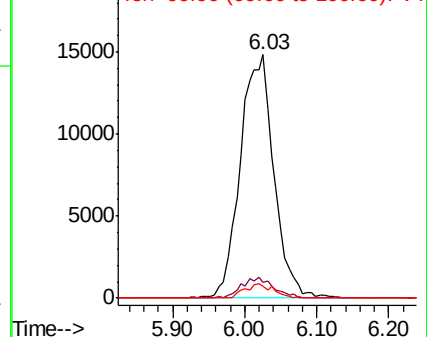
63 100

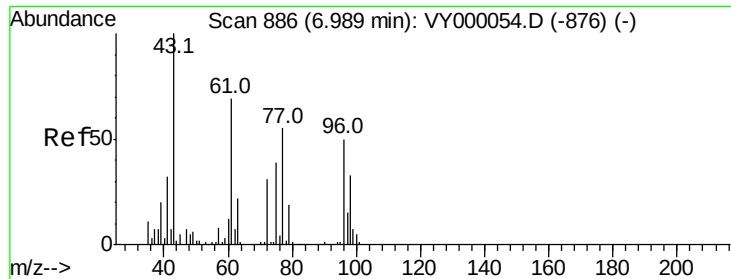
98 6.5 4.5 13.5

100 5.0 2.5 7.5



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





#25

2-Butanone

Concen: 102.190 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

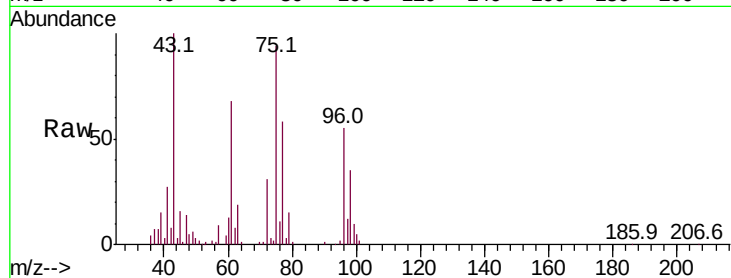
ClientSampleId :

Tot Ion: 43 Resp: 56493

Ion Ratio Lower Upper

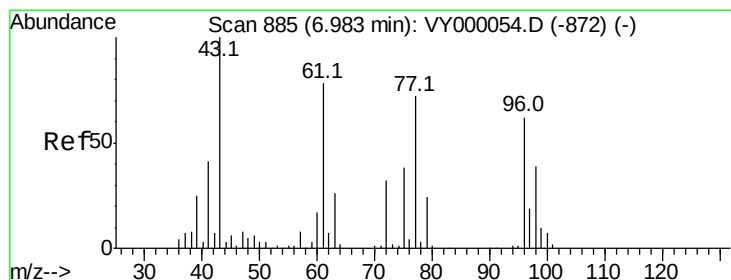
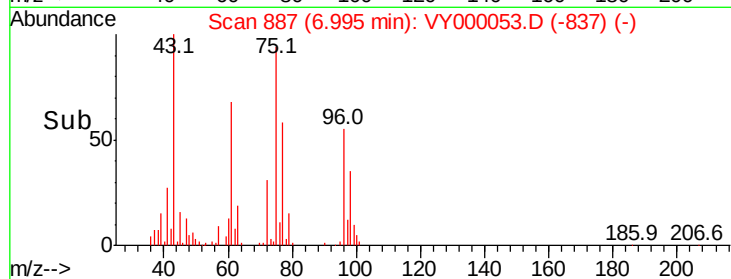
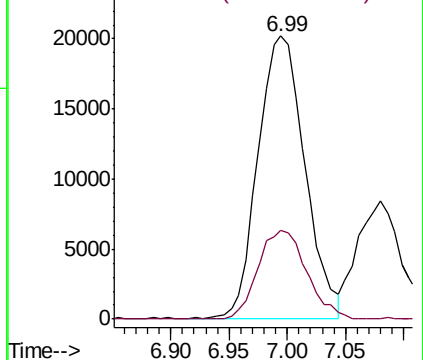
43 100

72 31.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 22.112 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000053.D

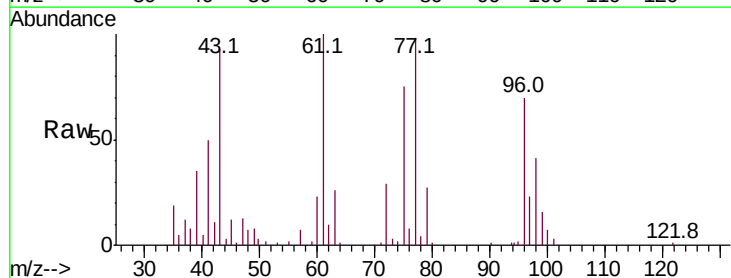
Acq: 17 Sep 2019 11:20

Tgt Ion: 77 Resp: 44114

Ion Ratio Lower Upper

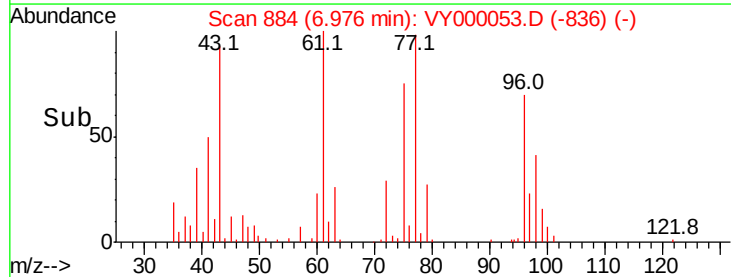
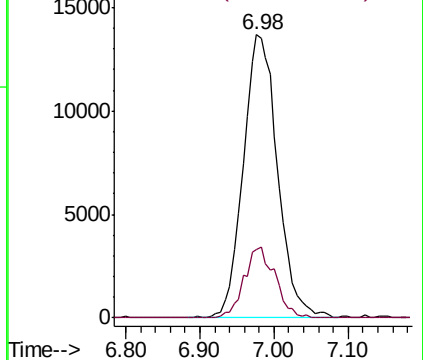
77 100

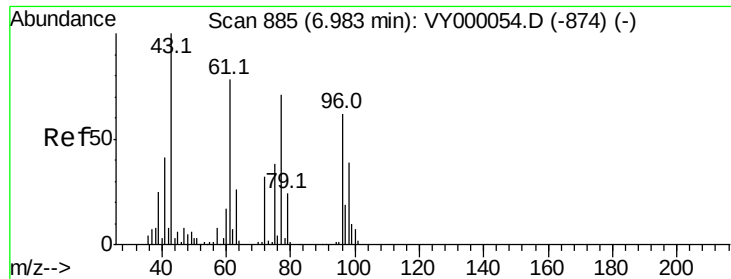
97 22.6 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



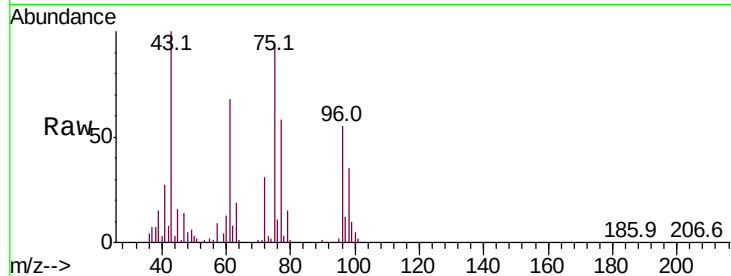


#27

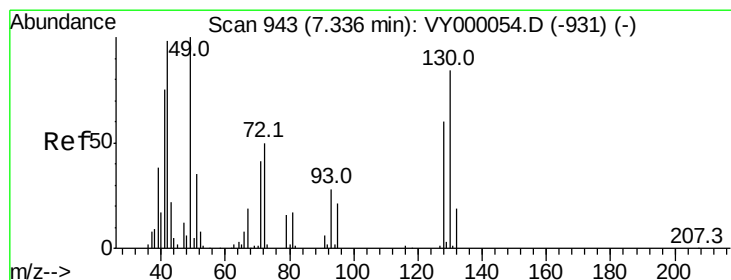
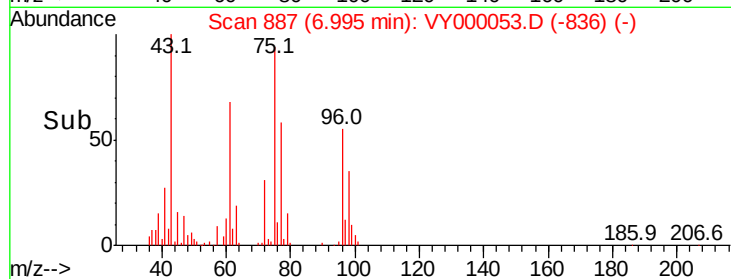
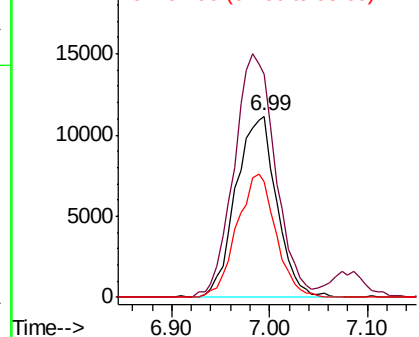
cis-1,2-Dichloroethene
Concen: 21.811 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 32213
Ion Ratio Lower Upper
96 100
61 137.0 0.0 263.0
98 64.9 0.0 130.2



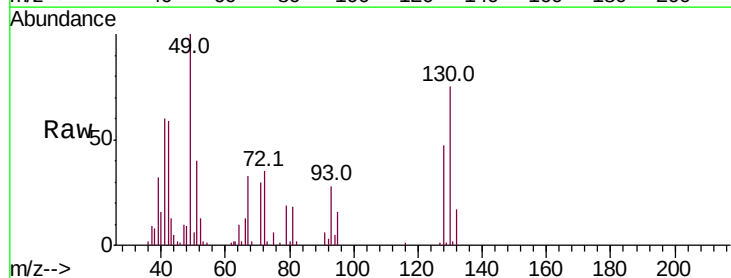
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



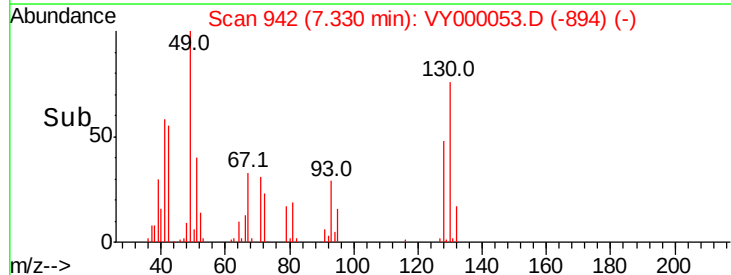
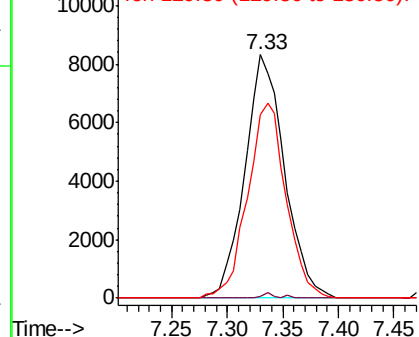
#28

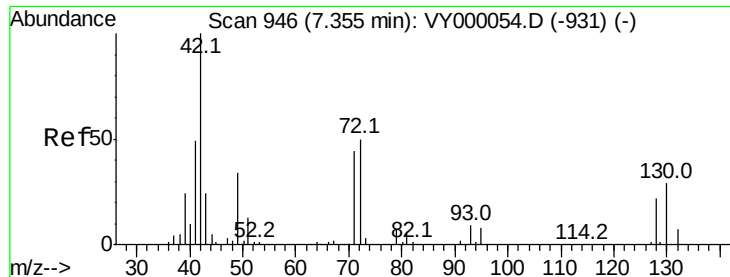
Bromochloromethane
Concen: 21.196 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 49 Resp: 20627
Ion Ratio Lower Upper
49 100
129 0.6 0.0 4.8
130 77.7 66.2 99.4



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

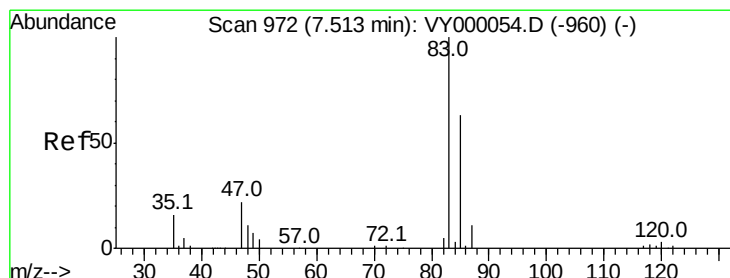
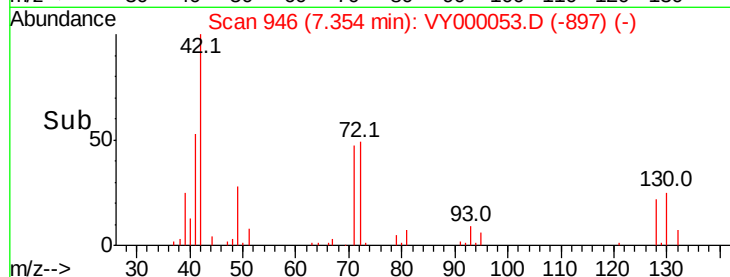
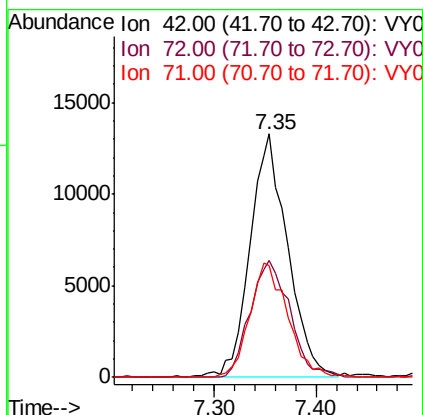
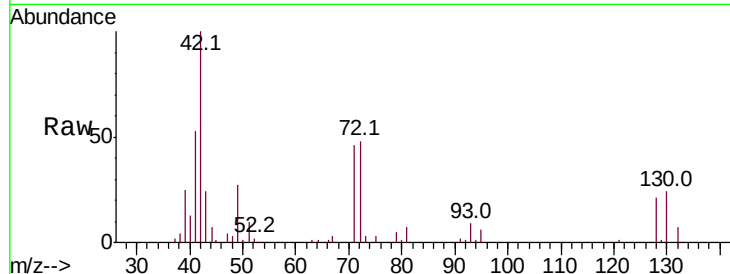




#29
Tetrahydrofuran
Concen: 103.246 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

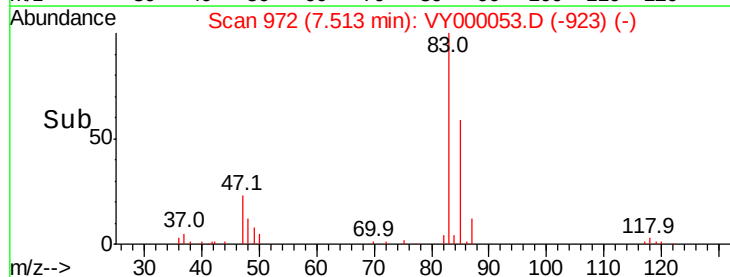
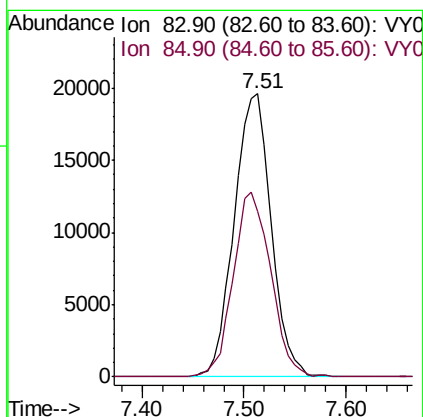
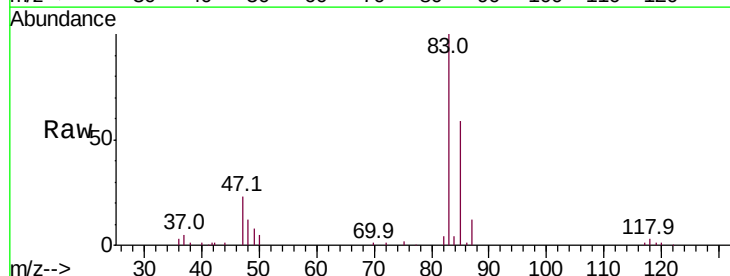
Instrument :
MSVOA_Y
ClientSampleId :

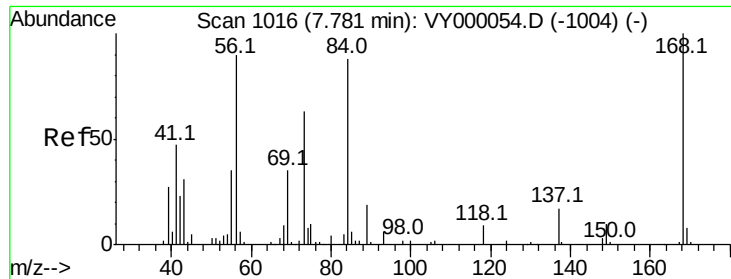
Tot Ion: 42 Resp: 34056
Ion Ratio Lower Upper
42 100
72 50.4 41.8 62.6
71 47.9 38.6 58.0



#30
Chloroform
Concen: 22.076 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 83 Resp: 49325
Ion Ratio Lower Upper
83 100
85 58.5 50.6 76.0

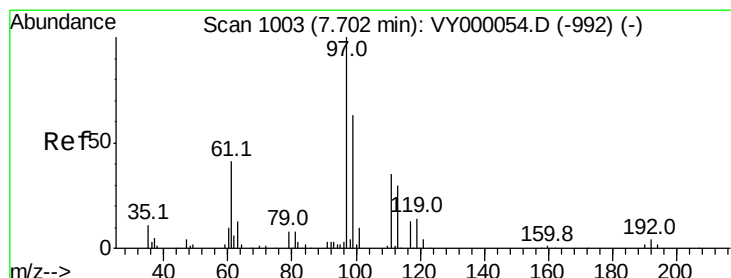
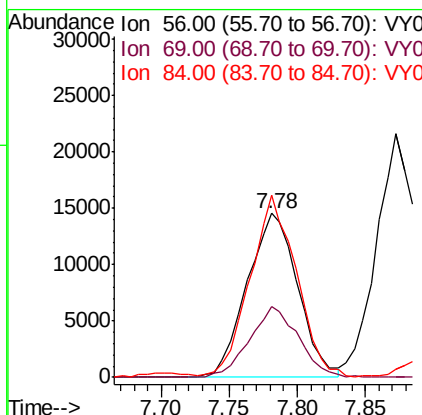
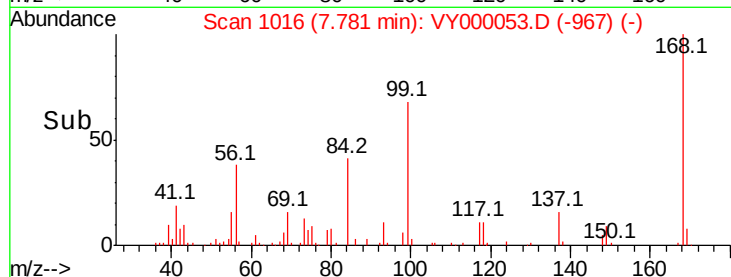
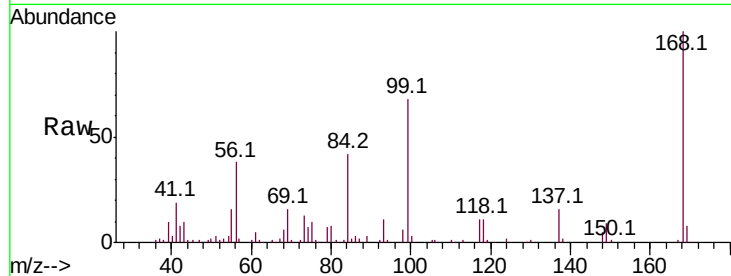




#31
Cyclohexane
Concen: 21.325 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

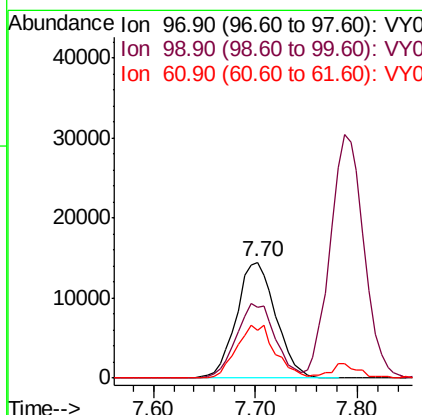
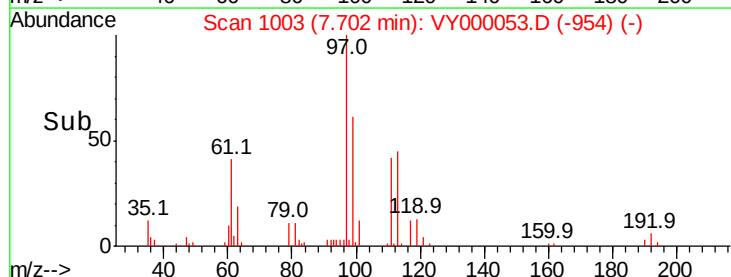
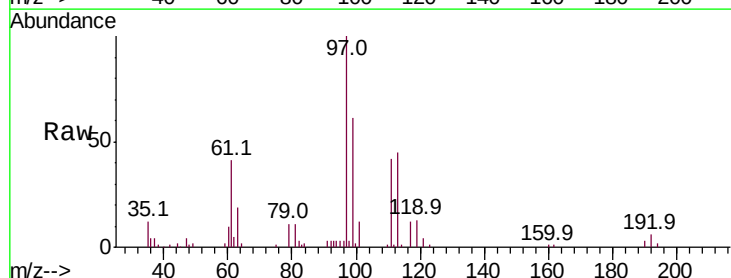
Instrument :
MSVOA_Y
ClientSampled :

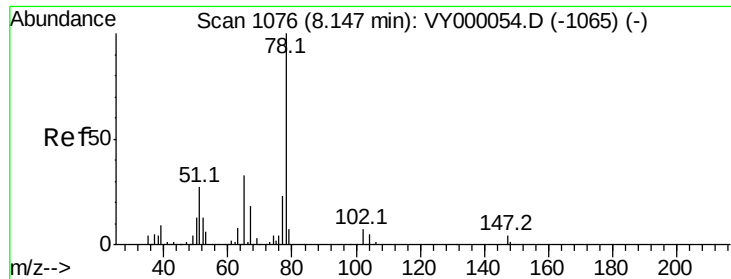
Tot Ion: 56 Resp: 37960
Ion Ratio Lower Upper
56 100
69 43.4 30.9 46.3
84 109.7 78.5 117.7



#32
1,1,1-Trichloroethane
Concen: 21.325 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 97 Resp: 38768
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 44.8 34.3 51.5

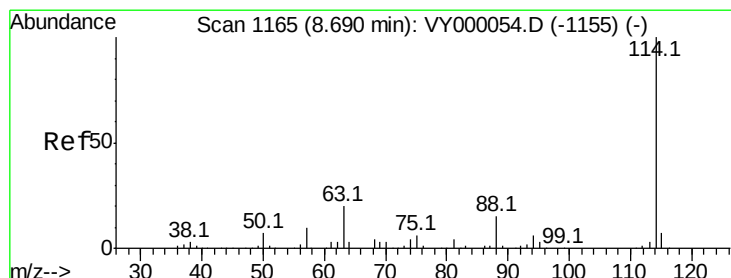
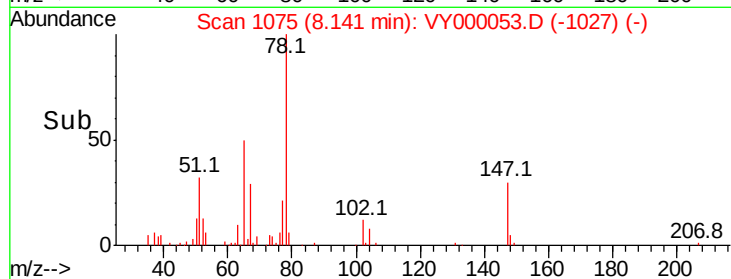
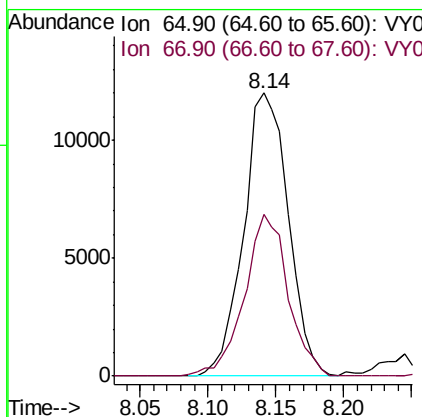
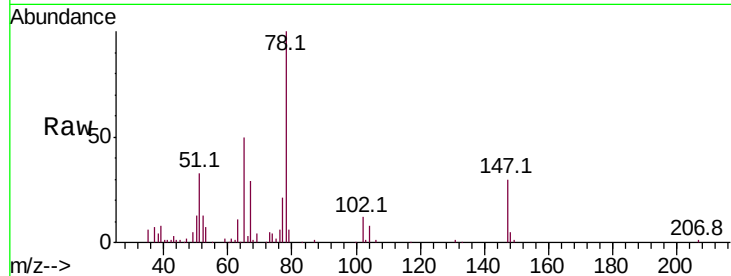




#33
 1,2-Dichloroethane-d4
 Concen: 22.715 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

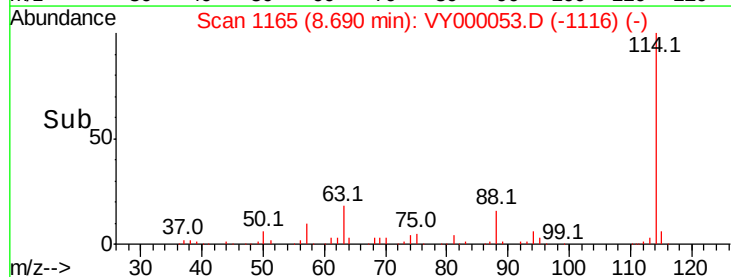
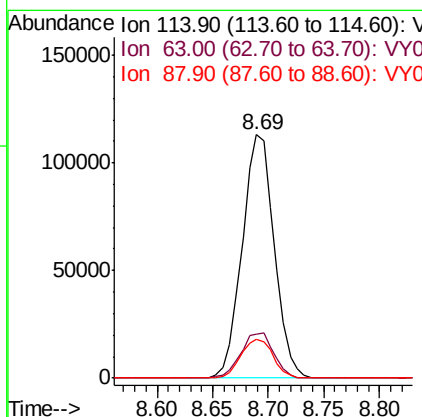
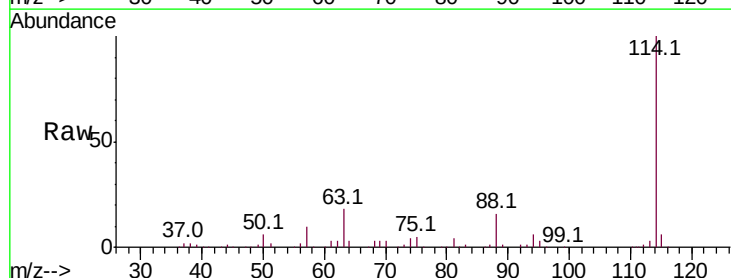
Instrument :
 MSVOA_Y
 ClientSampleId :

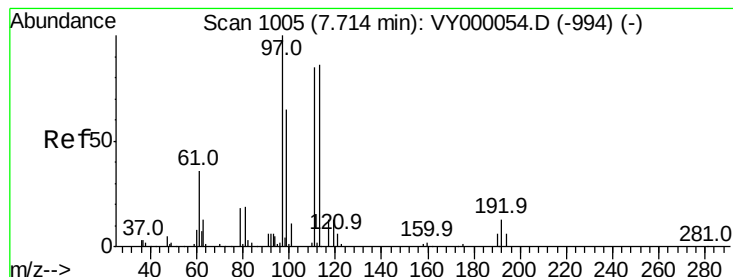
Tot Ion: 65 Resp: 27581
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 114 Resp: 225933
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.4
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 22.149 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

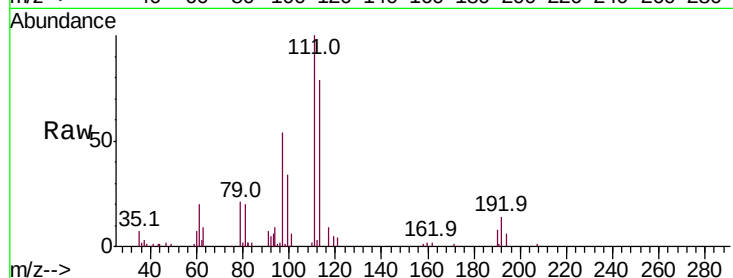
Tot Ion:113 Resp: 28812

Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.7	122.5
192	16.7	13.4	20.2

113 100

111 105.5 81.7 122.5

192 16.7 13.4 20.2

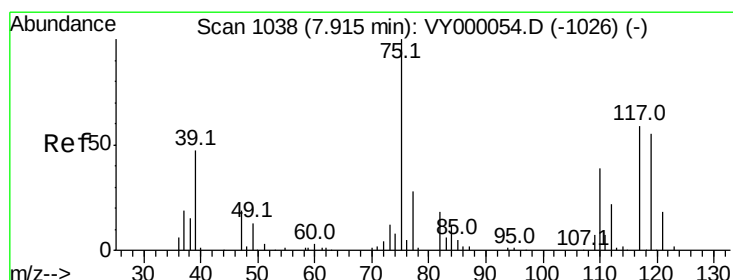
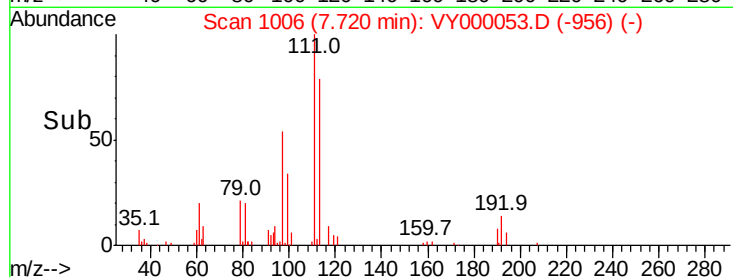
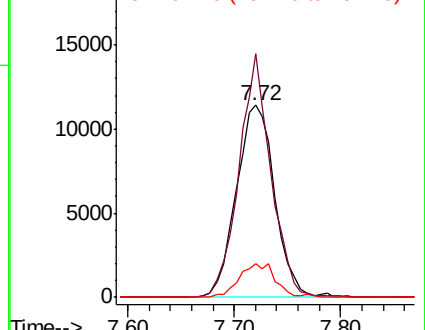


Abundance

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: 20.773 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

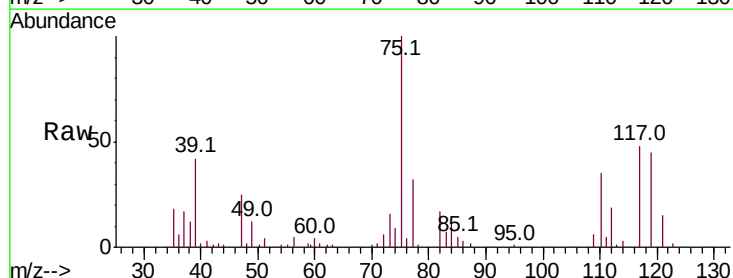
Tgt Ion: 75 Resp: 34779

Ion	Ratio	Lower	Upper
75	100		
110	37.2	19.6	58.7
77	30.8	24.3	36.5

75 100

110 37.2 19.6 58.7

77 30.8 24.3 36.5

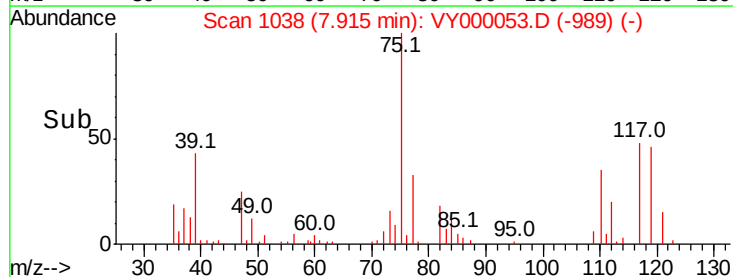
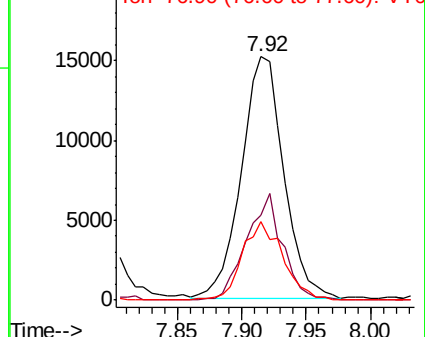


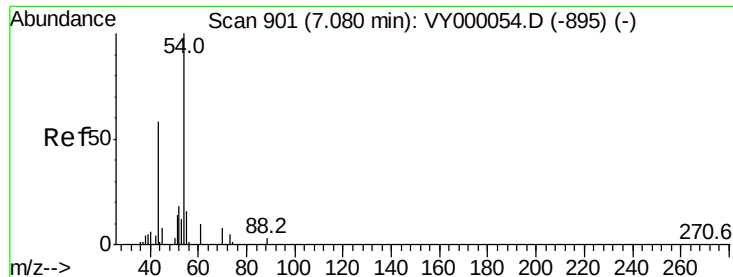
Abundance

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: 19.316 ug/l

RT: 7.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampled :

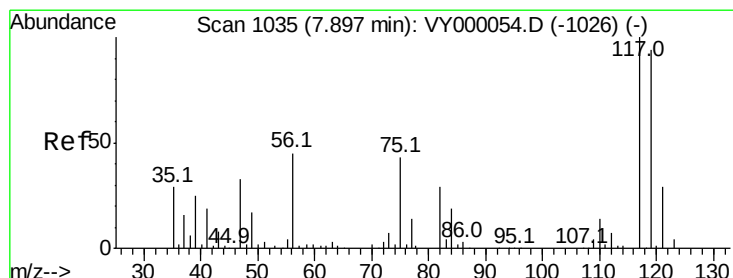
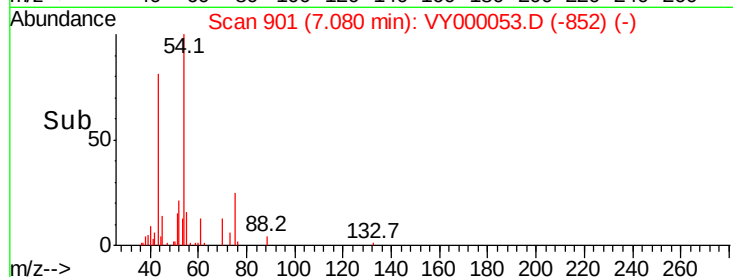
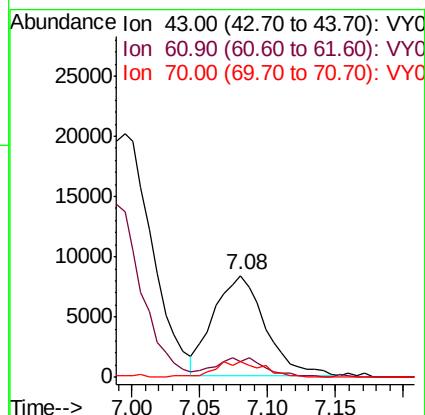
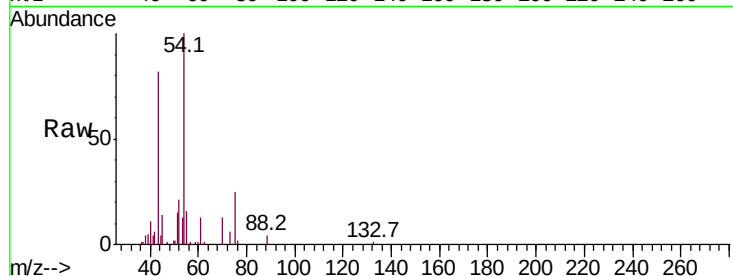
Tot Ion: 43 Resp: 21890

Ion Ratio Lower Upper

43 100

61 19.3 14.1 21.1

70 15.3 10.6 15.8



#38

Carbon Tetrachloride

Concen: 20.870 ug/l

RT: 7.90 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

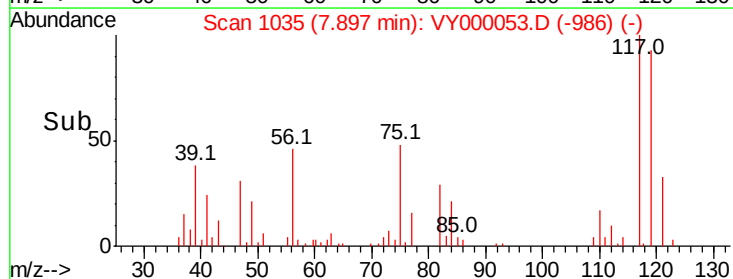
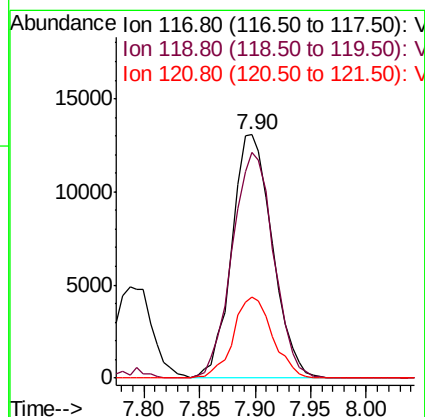
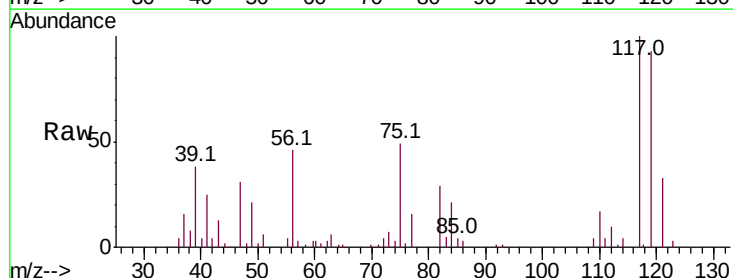
Tgt Ion: 117 Resp: 33025

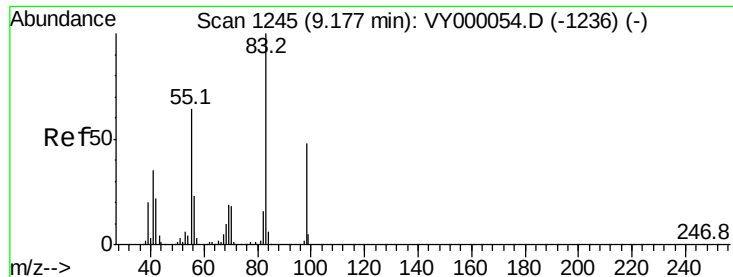
Ion Ratio Lower Upper

117 100

119 92.7 75.0 112.6

121 33.4 22.8 34.2

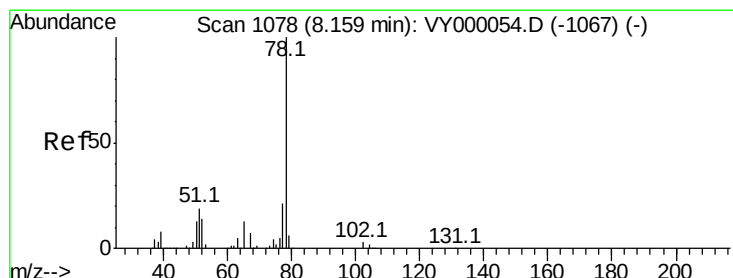
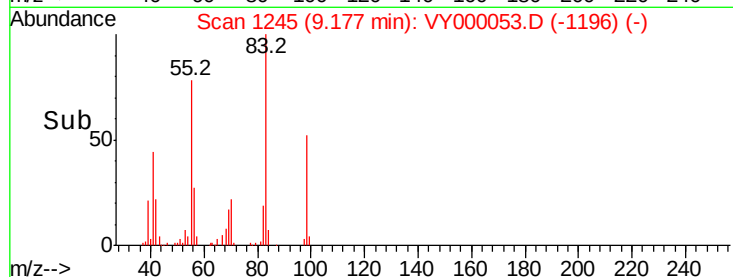
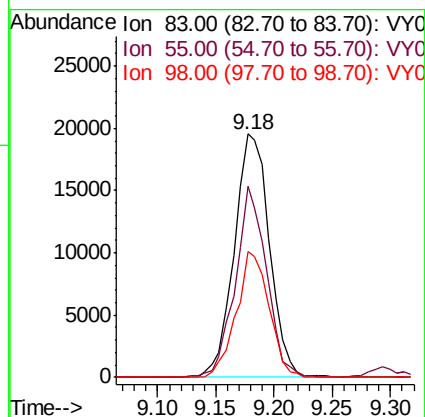
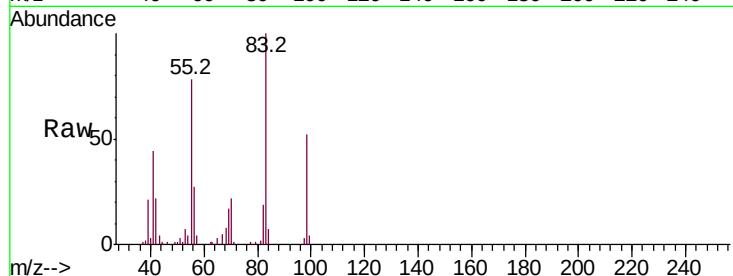




#39
Methylvlcyclohexane
Concen: 19.836 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

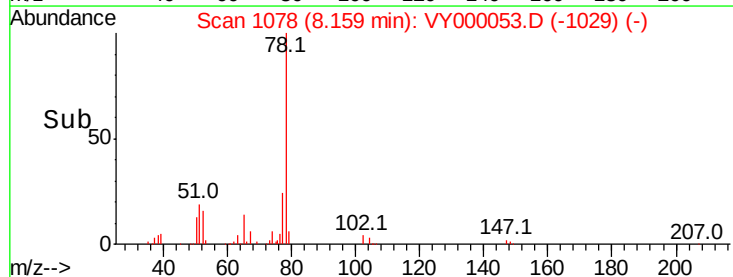
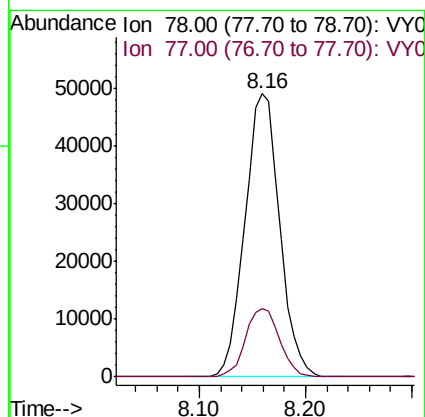
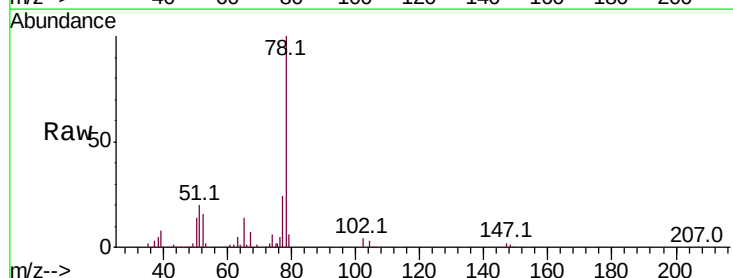
Instrument :
MSVOA_Y
ClientSampleId :

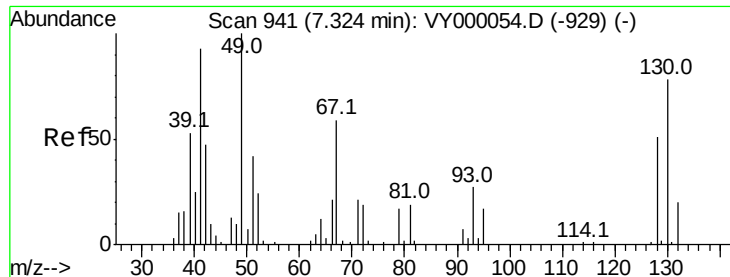
Tot Ion: 83 Resp: 41187
Ion Ratio Lower Upper
83 100
55 78.0 51.0 76.6#
98 51.9 38.5 57.7



#40
Benzene
Concen: 20.488 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 78 Resp: 112434
Ion Ratio Lower Upper
78 100
77 24.4 16.8 25.2





#41

Methacrylonitrile

Concen: 21.017 ug/l

RT: 7.32 min Scan# 940

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 41 Resp: 13741

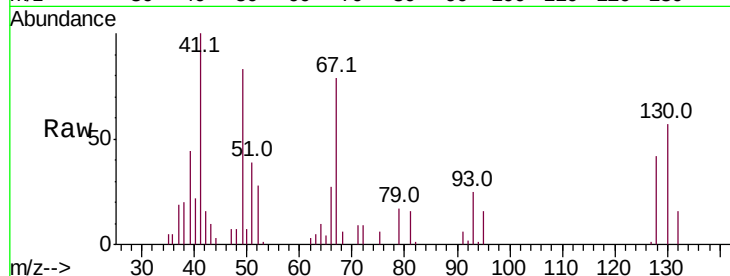
Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

67 89.1 0.0 0.0#

52 30.3 0.0 0.0#

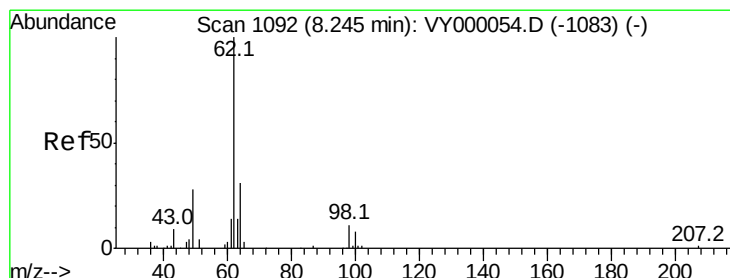
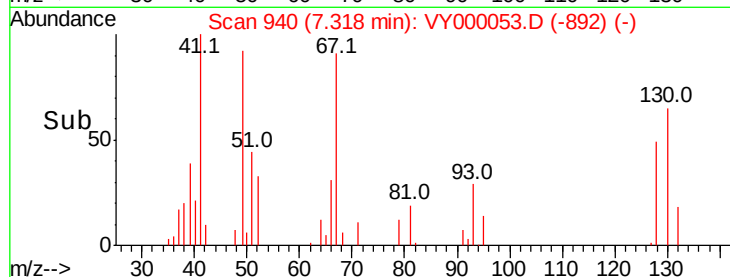
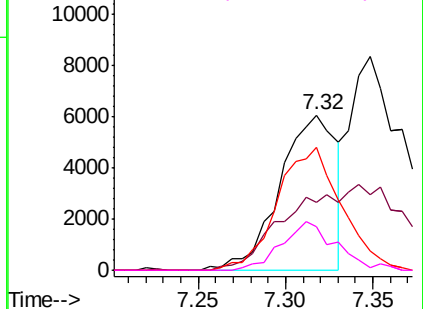


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.425 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VY000053.D

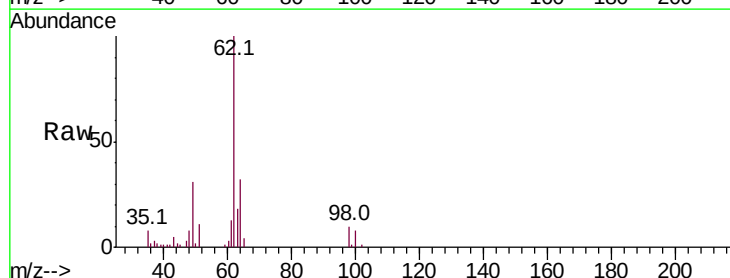
Acq: 17 Sep 2019 11:20

Tgt Ion: 62 Resp: 30172

Ion Ratio Lower Upper

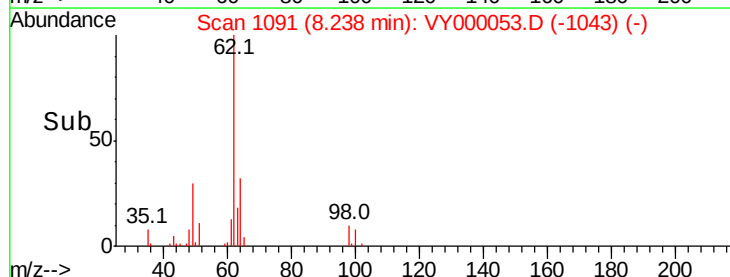
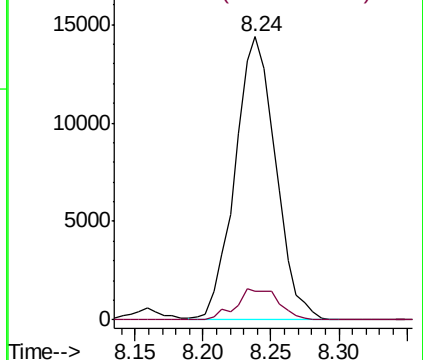
62 100

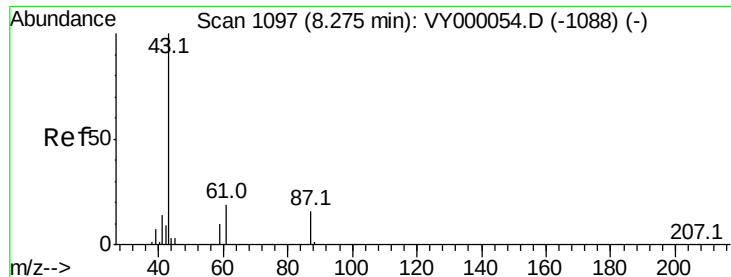
98 11.4 0.0 23.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.881 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampled :

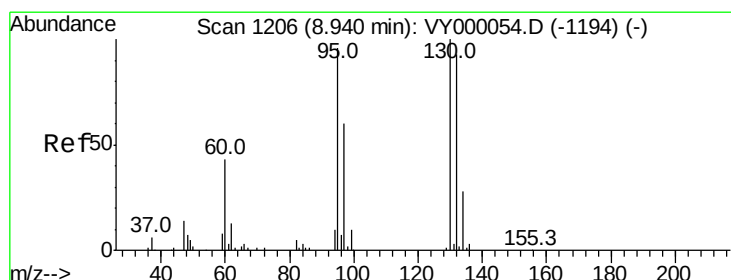
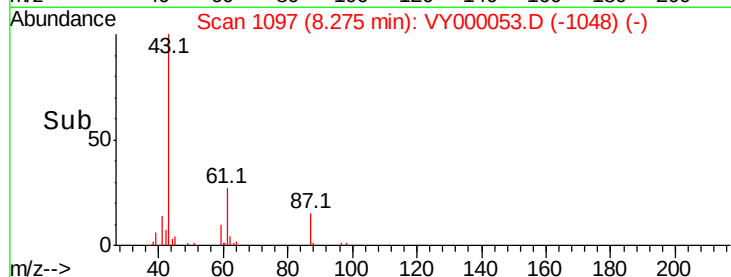
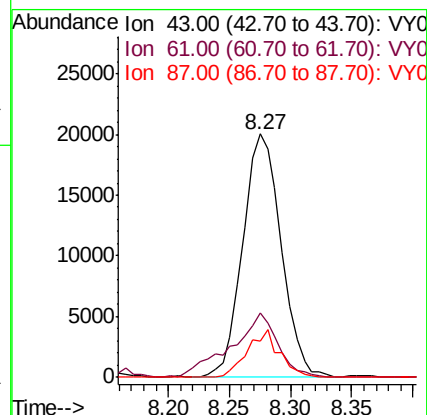
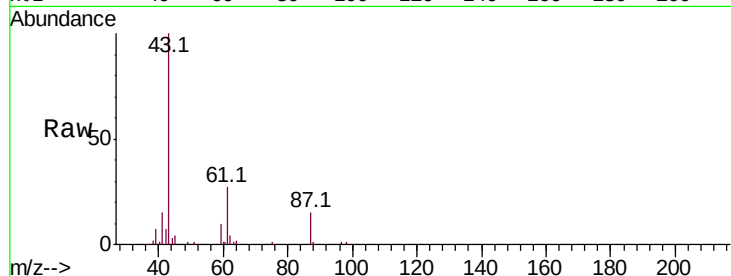
Tot Ion: 43 Resp: 43753

Ion Ratio Lower Upper

43 100

61 32.3 25.0 37.6

87 16.3 12.4 18.6



#44

Trichloroethene

Concen: 20.793 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000053.D

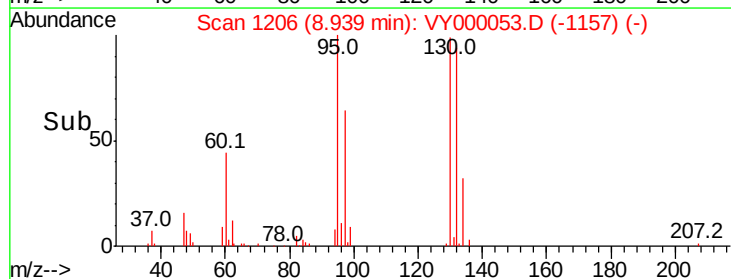
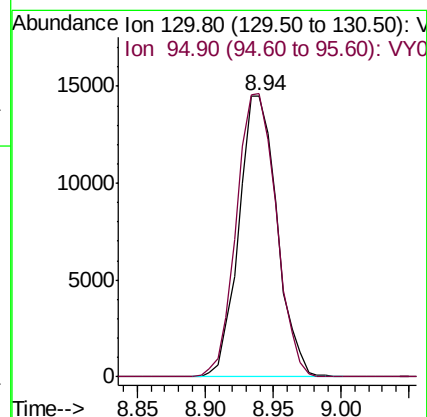
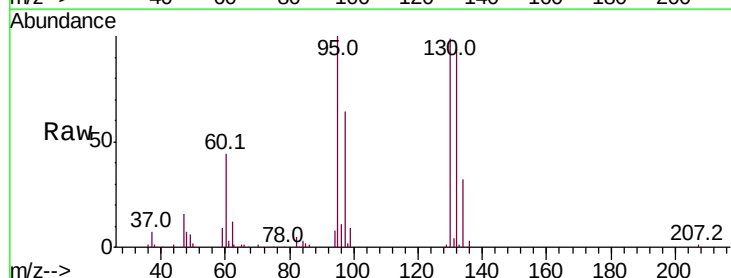
Acq: 17 Sep 2019 11:20

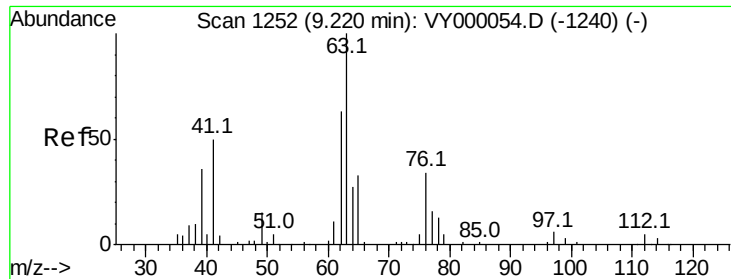
Tgt Ion:130 Resp: 28449

Ion Ratio Lower Upper

130 100

95 100.8 0.0 192.0

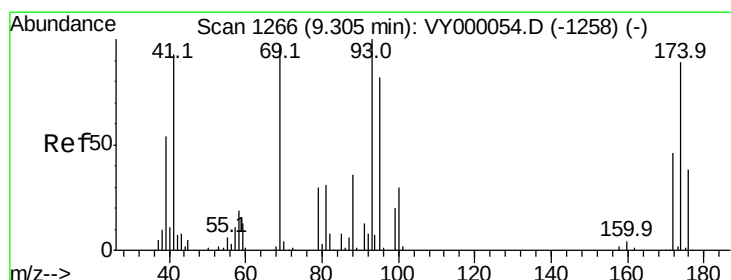
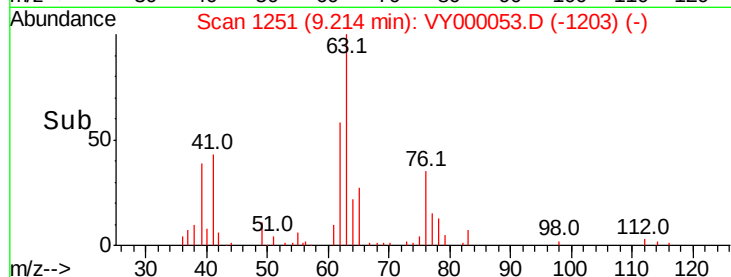
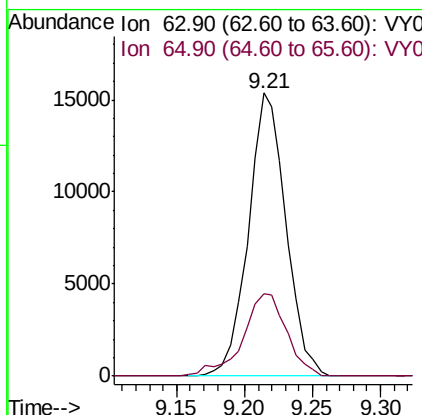
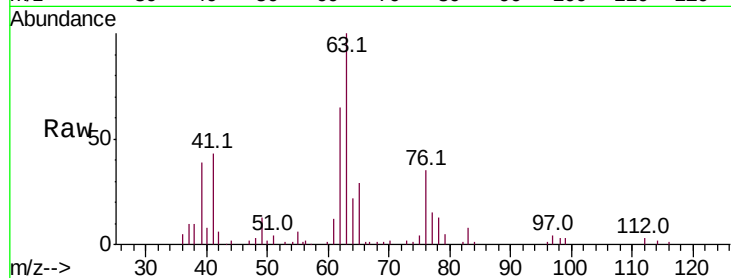




#45
 1,2-Dichloropropane
 Concen: 21.003 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

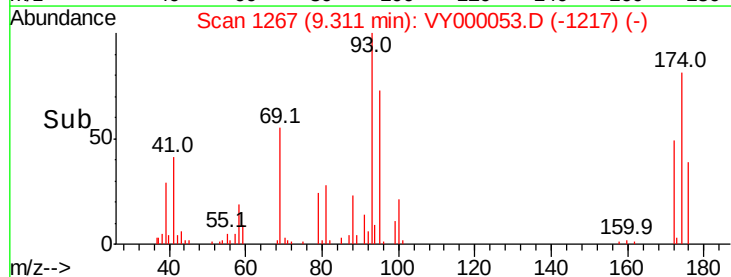
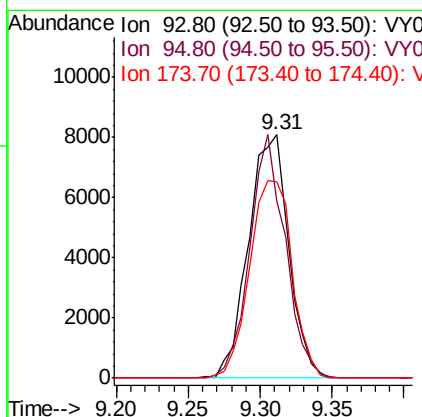
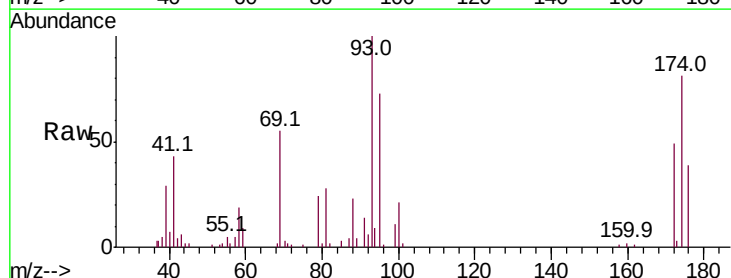
Instrument :
 MSVOA_Y
 ClientSampleId :

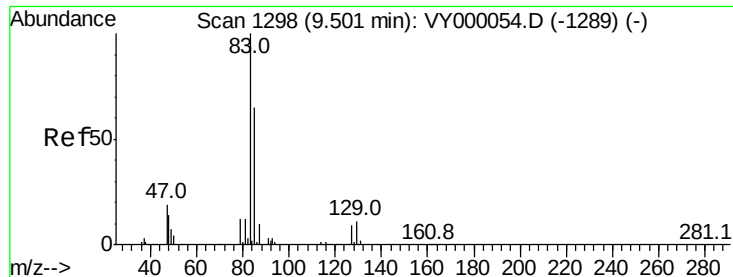
Tot Ion: 63 Resp: 29655
 Ion Ratio Lower Upper
 63 100
 65 29.1 26.2 39.4



#46
 Dibromomethane
 Concen: 19.856 ug/l
 RT: 9.31 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 93 Resp: 15581
 Ion Ratio Lower Upper
 93 100
 95 88.2 68.1 102.1
 174 85.8 67.8 101.6





#47

Bromodichloromethane

Concen: 20.932 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :
MSVOA_Y
ClientSampleId :

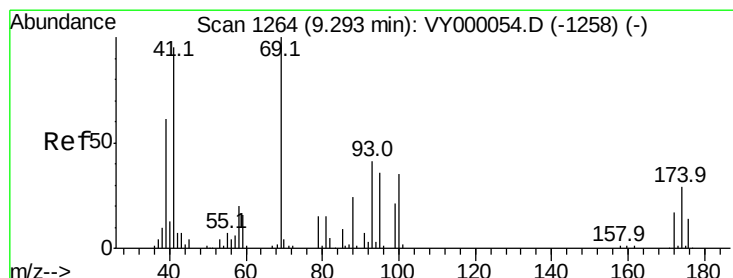
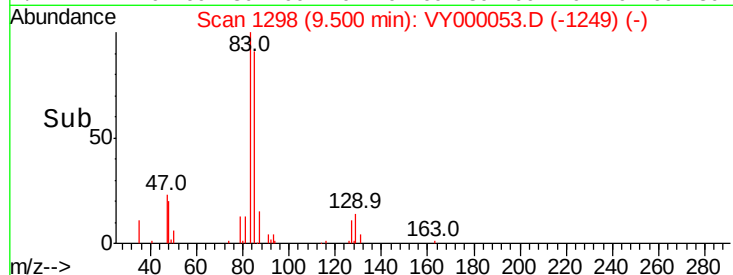
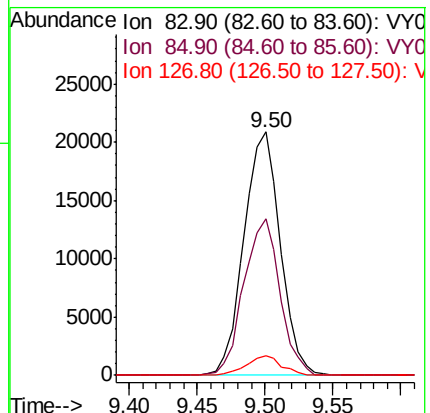
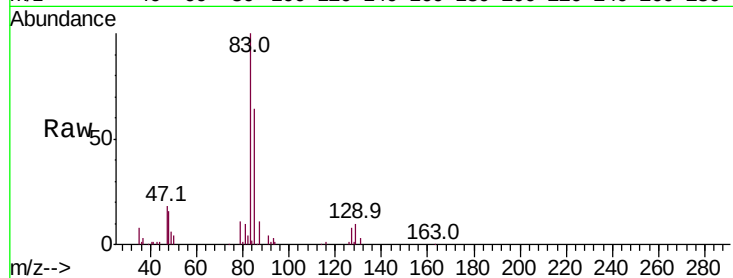
Tot Ion: 83 Resp: 39193

Ion Ratio Lower Upper

83 100

85 64.1 52.3 78.5

127 8.0 6.8 10.2



#48

Methyl methacrylate

Concen: 19.078 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

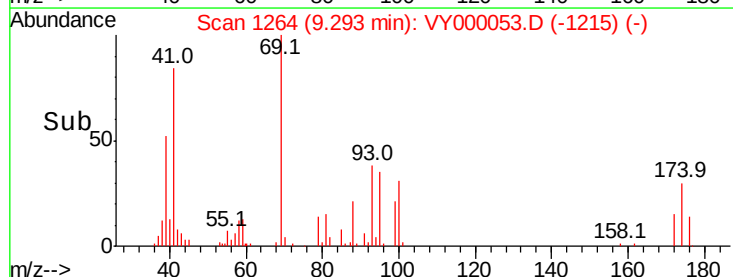
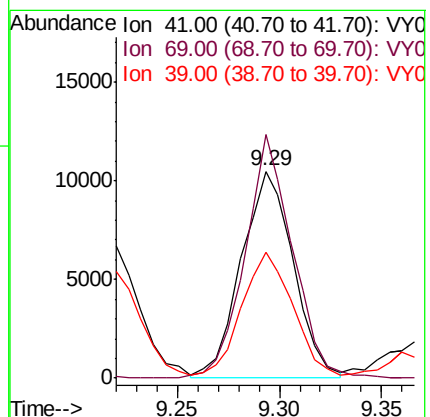
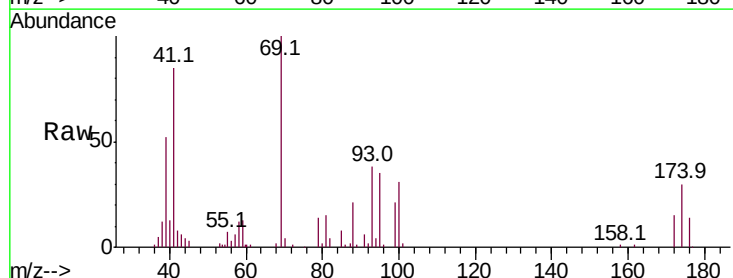
Tgt Ion: 41 Resp: 18578

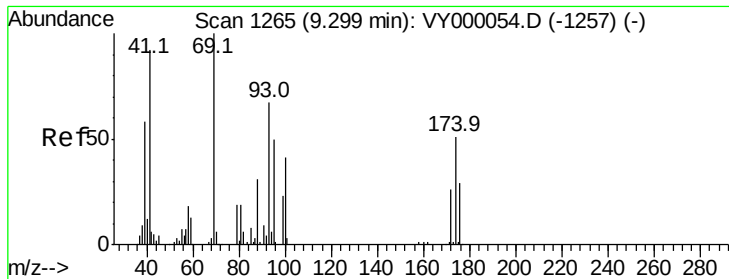
Ion Ratio Lower Upper

41 100

69 106.9 78.1 117.1

39 60.8 49.4 74.0





#49

1,4-Dioxane

Concen: 384.916 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :
MSVOA_Y
ClientSampled :

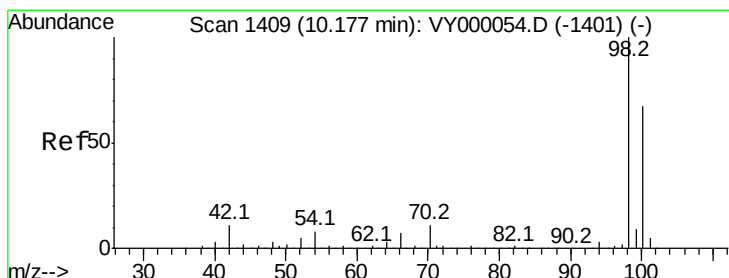
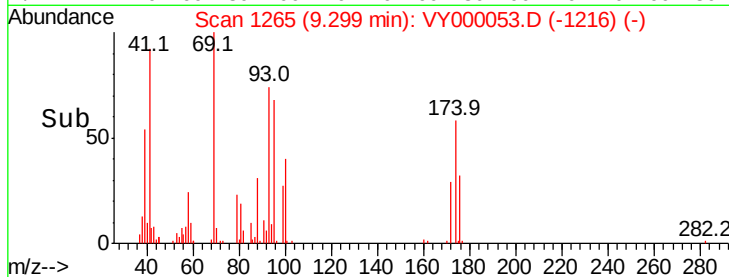
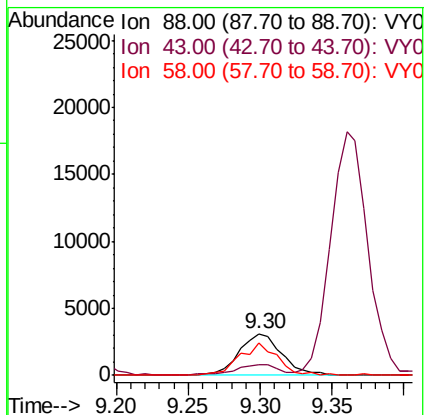
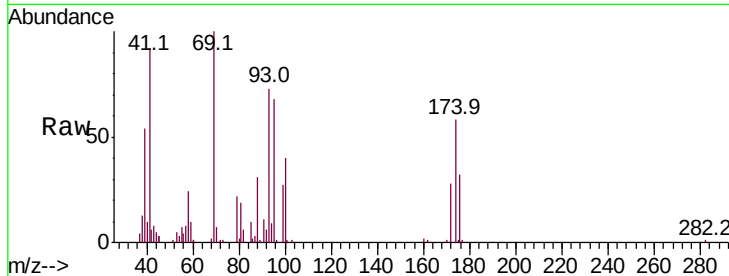
Tot Ion: 88 Resp: 6330

Ion Ratio Lower Upper

88 100

43 26.4 18.7 28.1

58 69.8 53.0 79.6



#50

Toluene-d8

Concen: 20.450 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000053.D

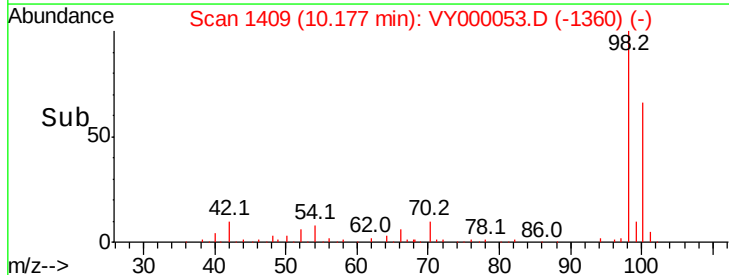
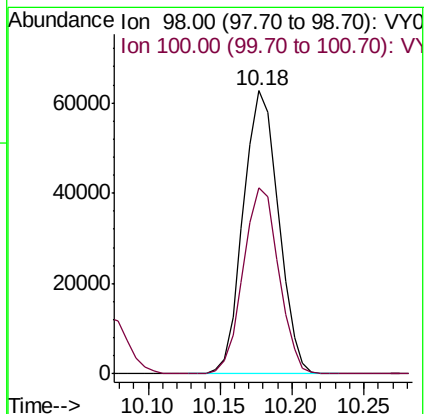
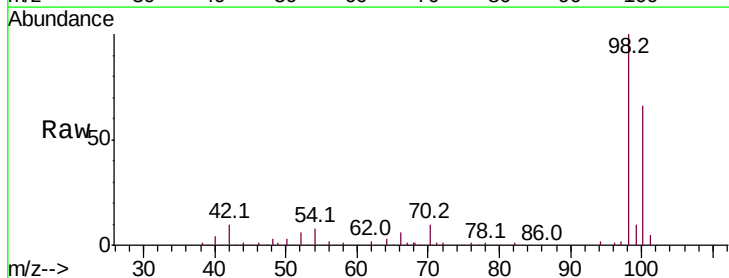
Acq: 17 Sep 2019 11:20

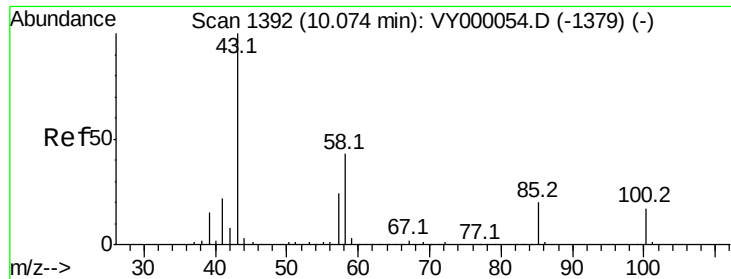
Tgt Ion: 98 Resp: 106358

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7

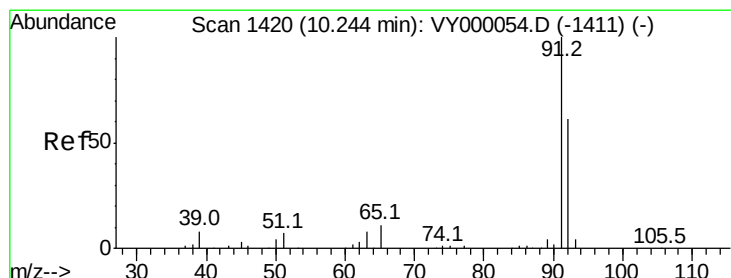
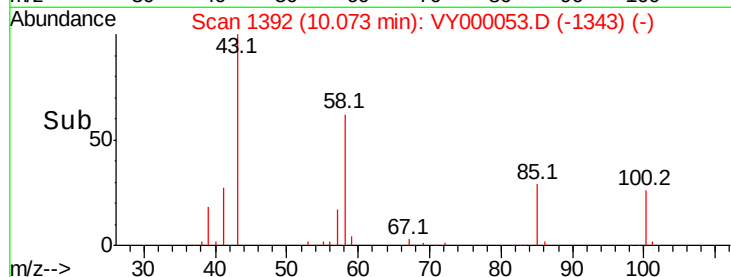
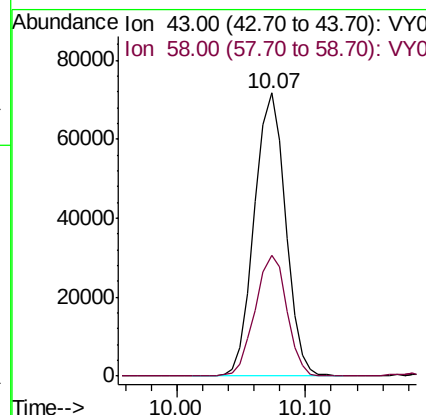
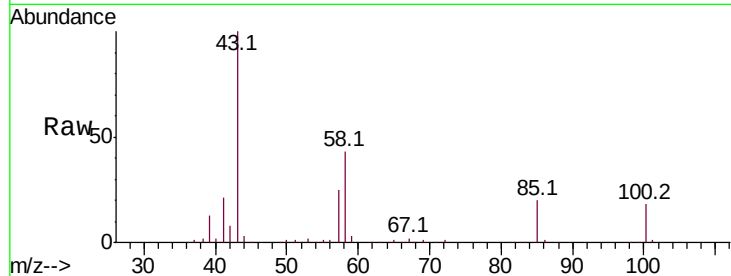




#51
4-Methyl-2-Pentanone
Concen: 97.872 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

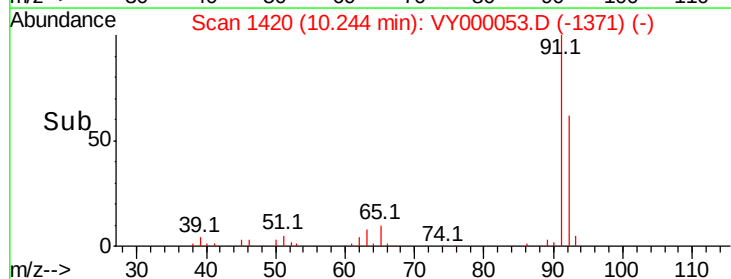
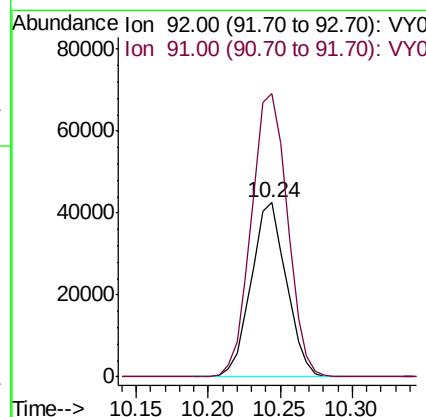
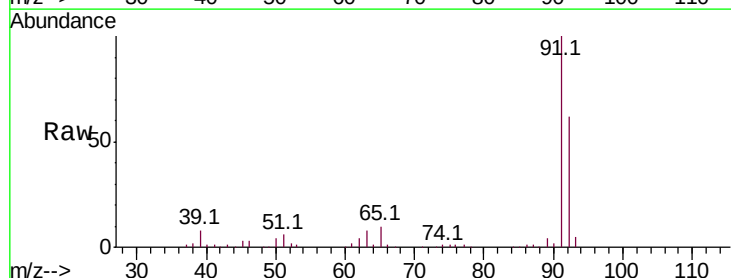
Instrument :
MSVOA_Y
ClientSampleId :

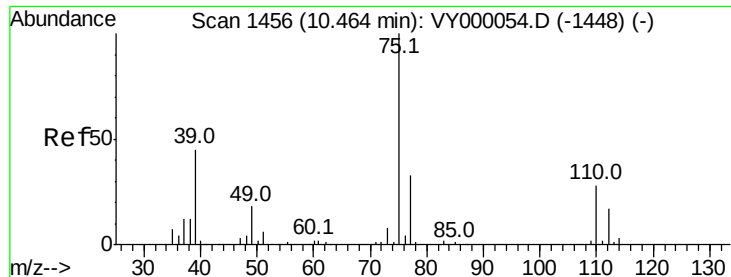
Tot Ion: 43 Resp: 120087
Ion Ratio Lower Upper
43 100
58 43.3 34.2 51.2



#52
Toluene
Concen: 20.853 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion: 92 Resp: 71797
Ion Ratio Lower Upper
92 100
91 167.5 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 20.792 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

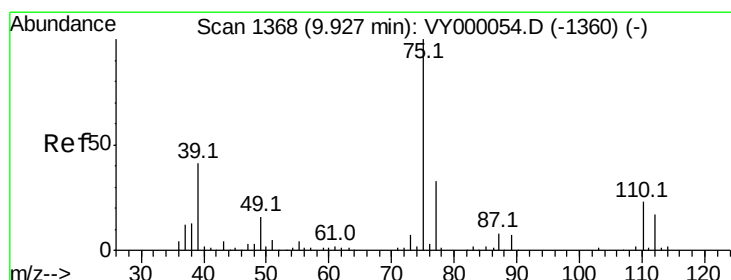
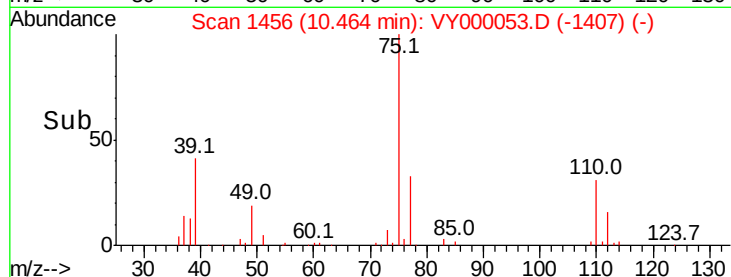
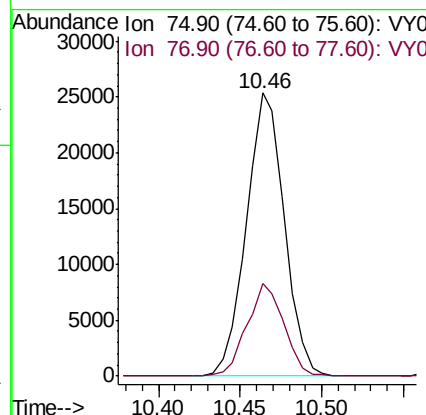
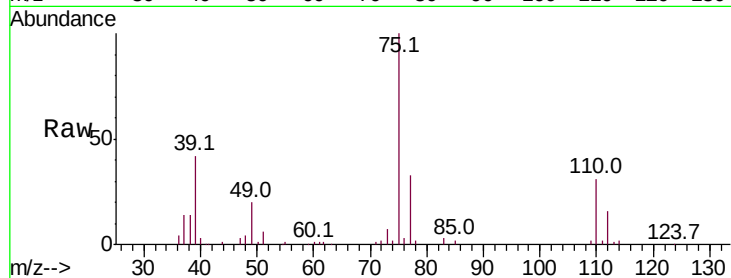
ClientSampled :

Tot Ion: 75 Resp: 40986

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 20.763 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

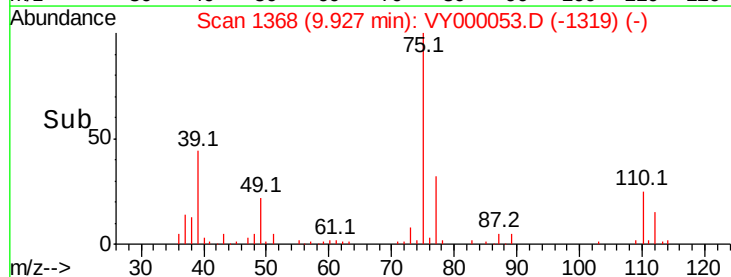
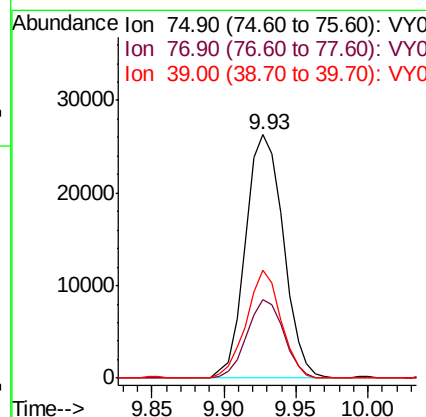
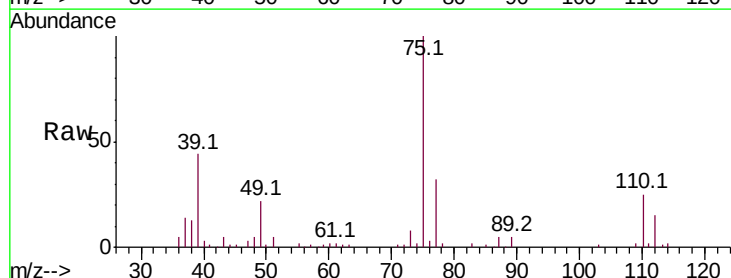
Tgt Ion: 75 Resp: 47754

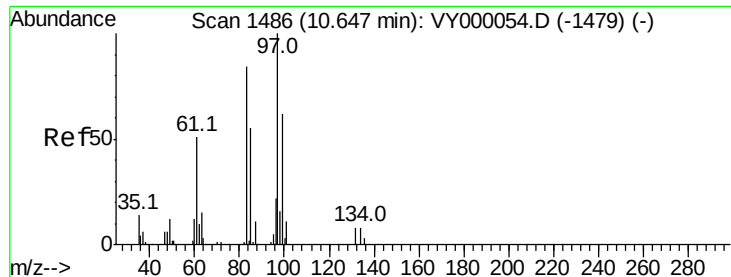
Ion Ratio Lower Upper

75 100

77 32.3 26.1 39.1

39 44.1 33.1 49.7

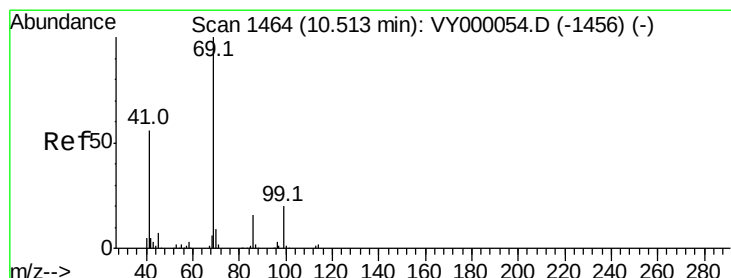
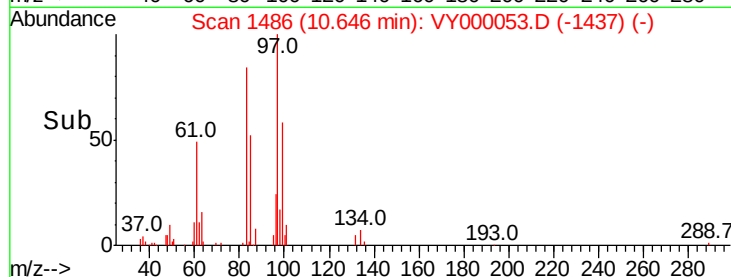
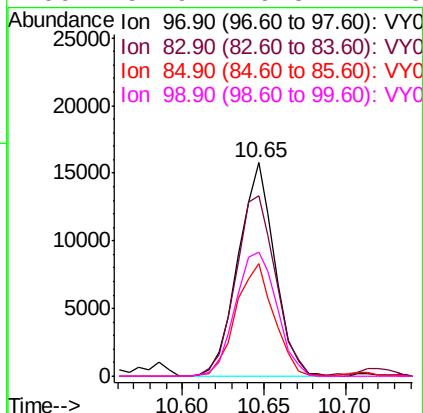
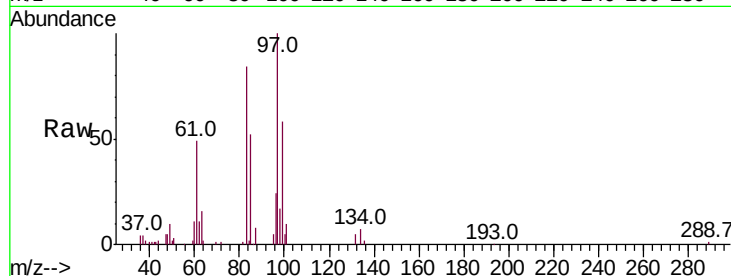




#55
 1,1,2-Trichloroethane
 Concen: 19.696 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

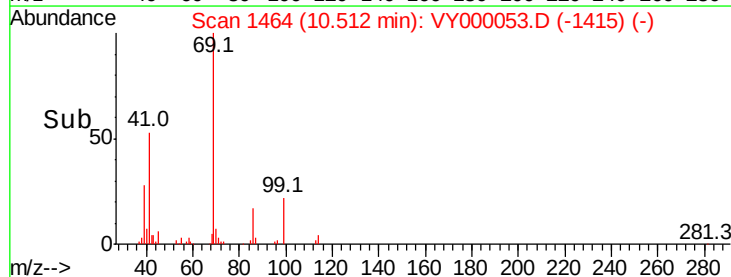
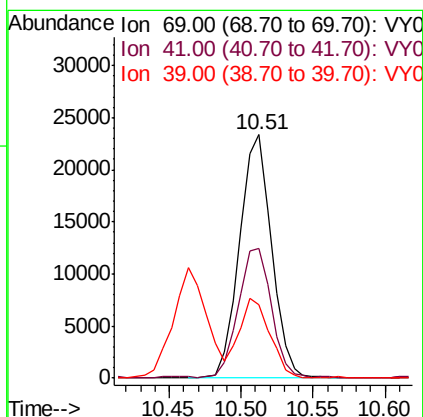
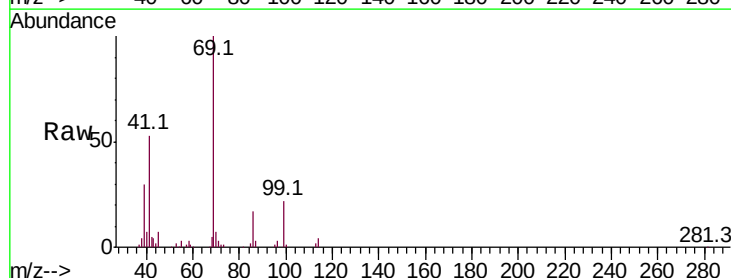
Instrument :
 MSVOA_Y
 ClientSampleId :

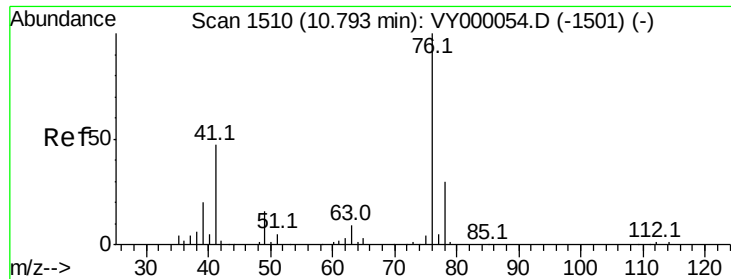
Tot Ion:	97	Resp:	24630
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.3	100.9
85	52.5	43.6	65.4
99	57.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.557 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion:	69	Resp:	36016
Ion	Ratio	Lower	Upper
69	100		
41	54.2	45.6	68.4
39	31.5	27.3	40.9

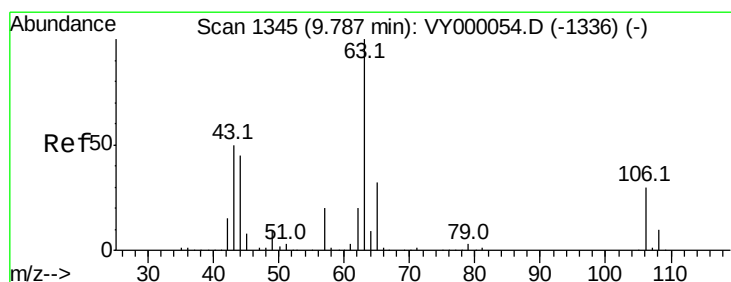
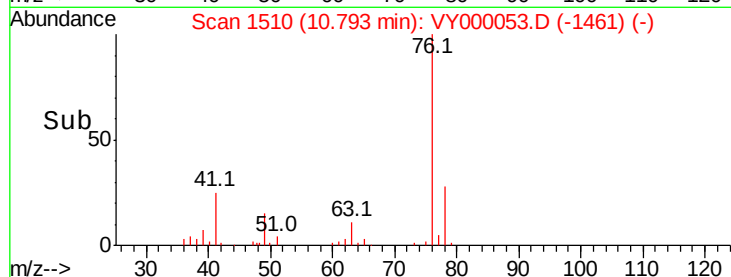
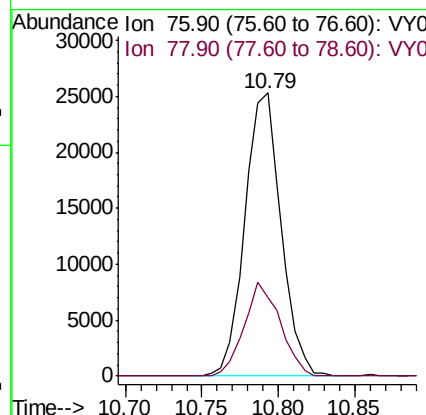
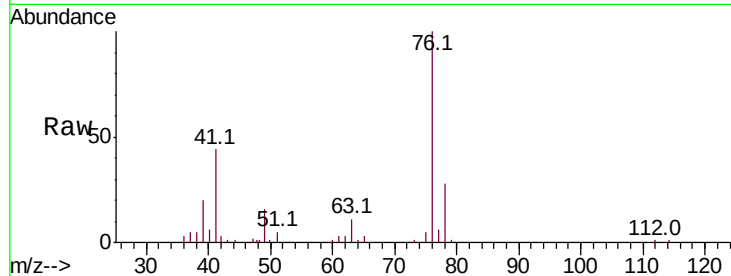




#57
 1,3-Dichloropropane
 Concen: 20.853 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

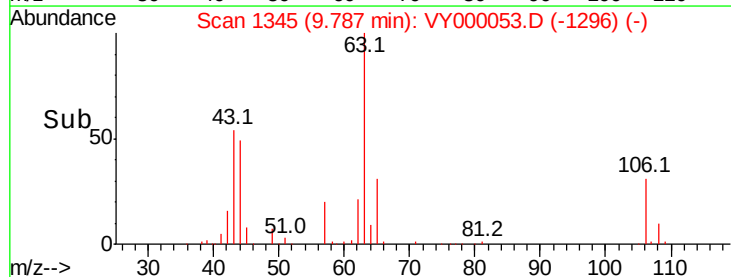
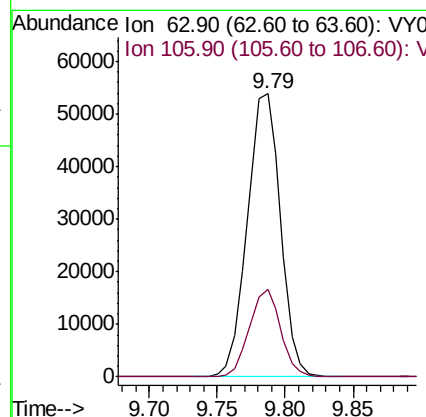
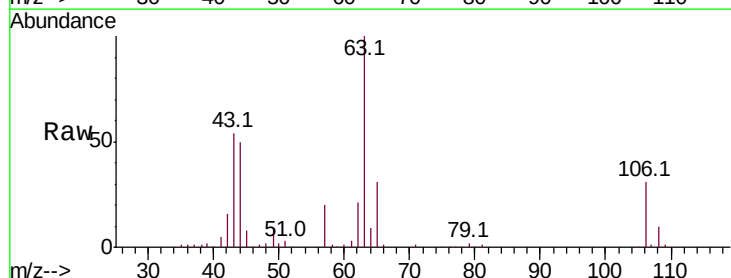
Instrument :
 MSVOA_Y
 ClientSampled :

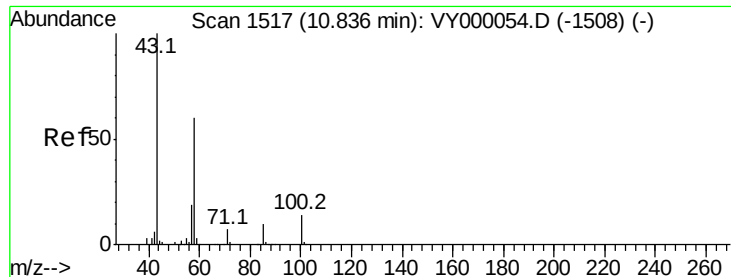
Tot Ion: 76 Resp: 41576
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.362 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 63 Resp: 92103
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.3 34.9





#59

2-Hexanone

Concen: 95.466 ug/l

RT: 10.83 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

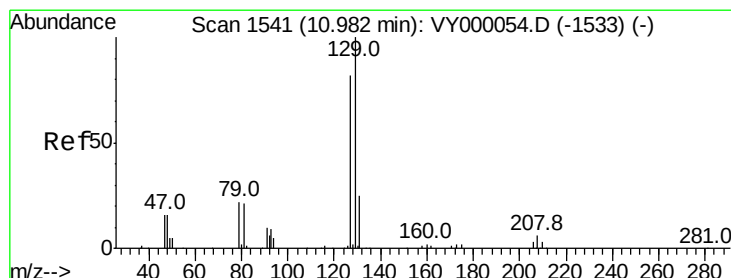
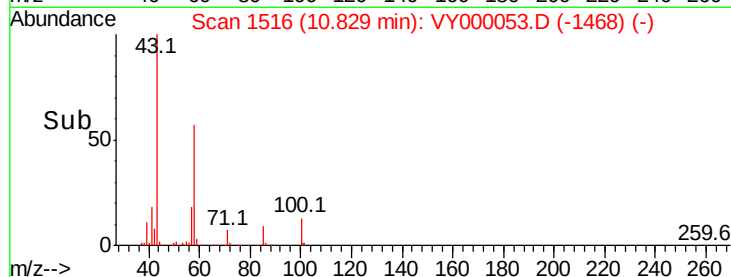
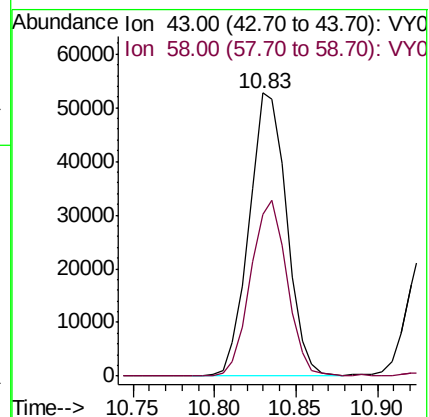
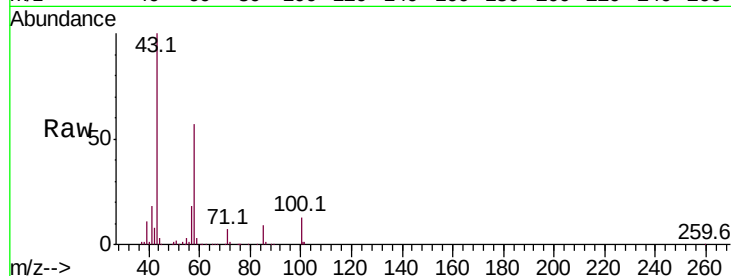
ClientSampleId :

Tot Ion: 43 Resp: 84768

Ion Ratio Lower Upper

43 100

58 60.5 29.9 89.7



#60

Dibromochloromethane

Concen: 19.144 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VY000053.D

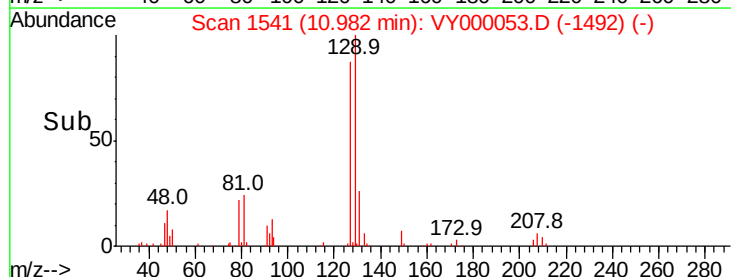
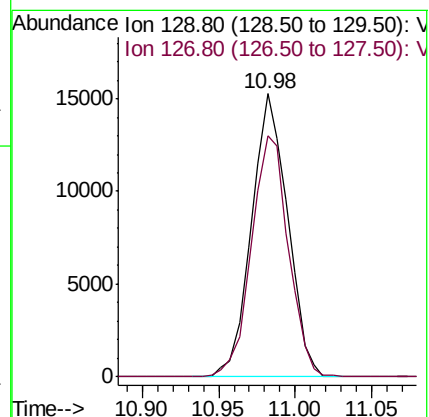
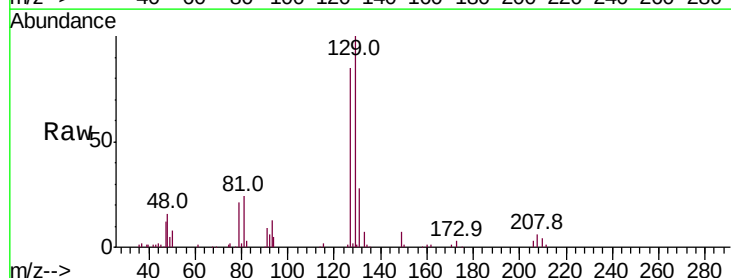
Acq: 17 Sep 2019 11:20

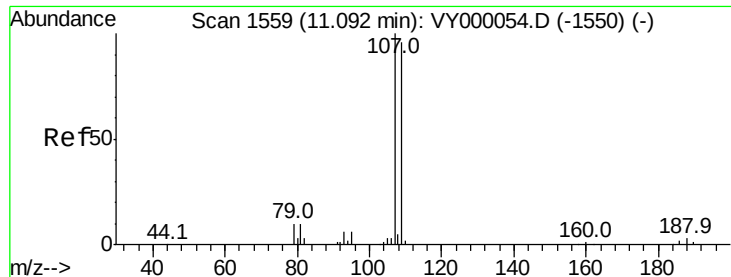
Tgt Ion: 129 Resp: 25022

Ion Ratio Lower Upper

129 100

127 87.3 40.2 120.6

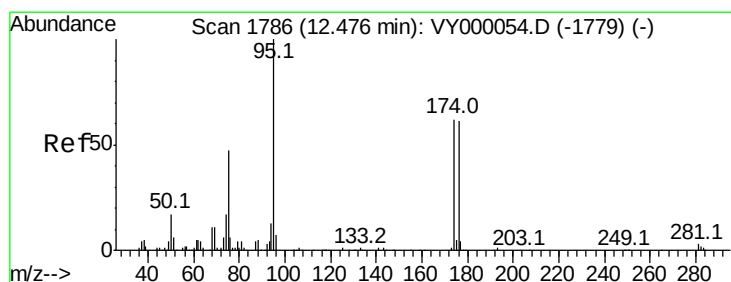
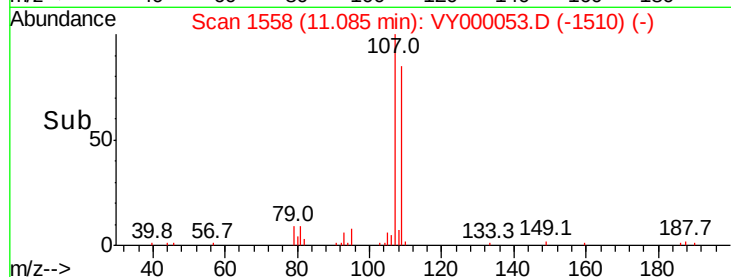
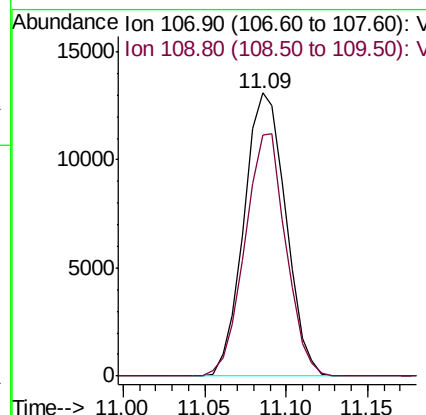
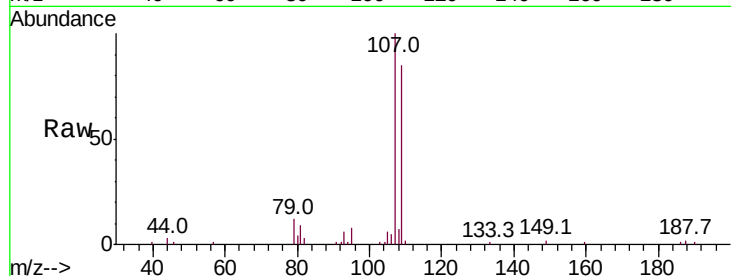




#61
 1,2-Dibromoethane
 Concen: 21.240 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

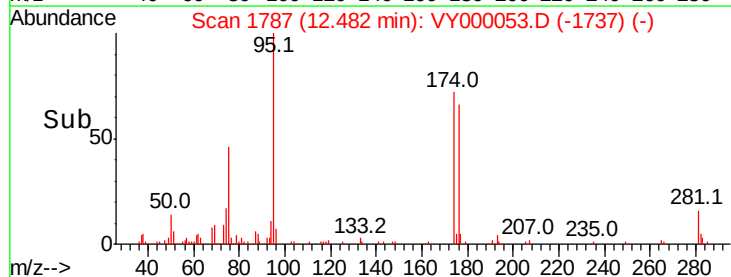
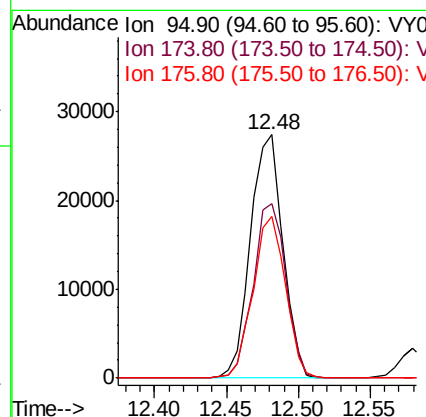
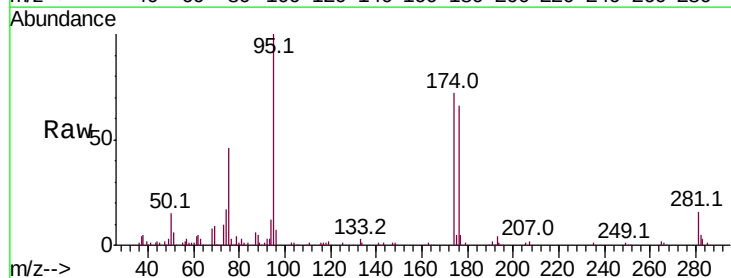
Instrument :
 MSVOA_Y
 ClientSampleId :

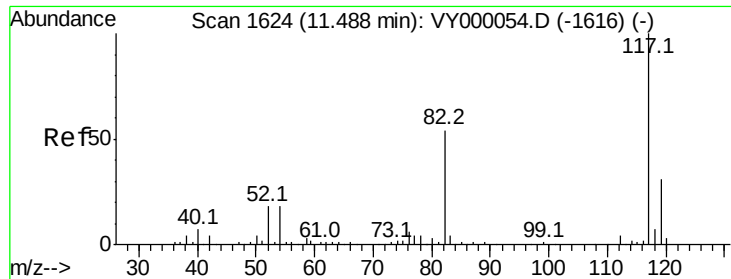
Tot Ion:107 Resp: 23412
 Ion Ratio Lower Upper
 107 100
 109 83.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 22.581 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion: 95 Resp: 42593
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 137.2
 176 66.8 0.0 135.0

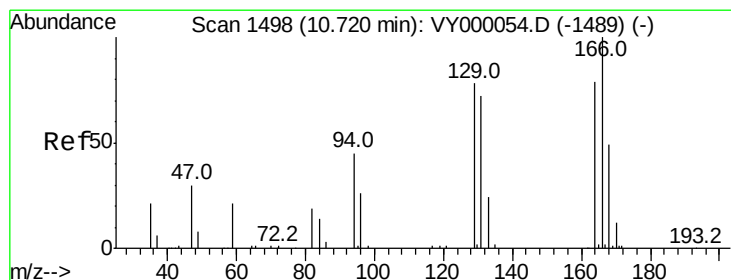
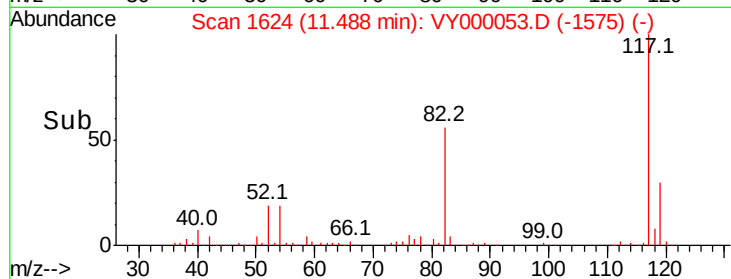
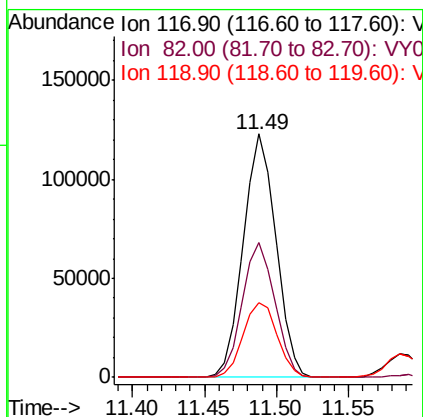
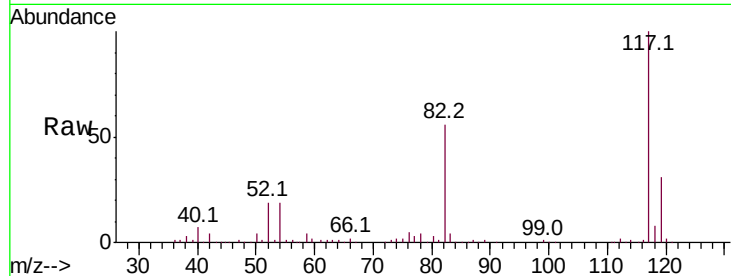




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

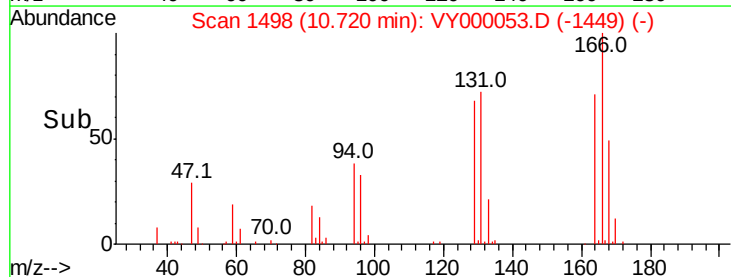
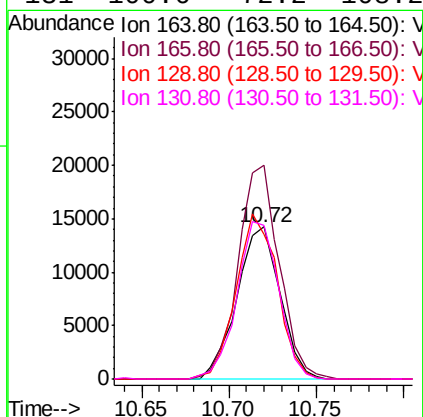
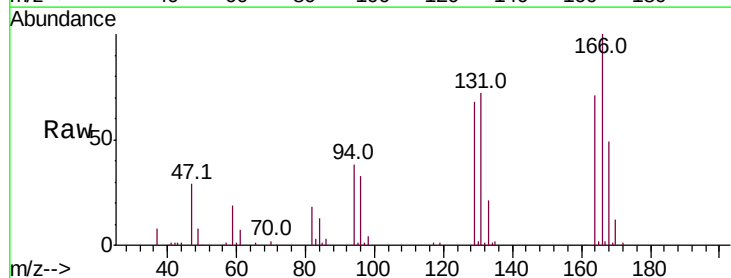
Instrument :
MSVOA_Y
ClientSampleId :

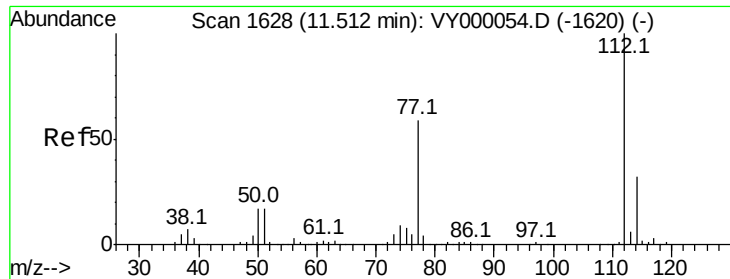
Tot Ion:117 Resp: 193442
Ion Ratio Lower Upper
117 100
82 55.5 43.5 65.3
119 30.5 24.6 36.8



#64
Tetrachloroethene
Concen: 20.471 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion:164 Resp: 24580
Ion Ratio Lower Upper
164 100
166 140.4 100.9 151.3
129 95.1 78.4 117.6
131 100.6 72.2 108.2

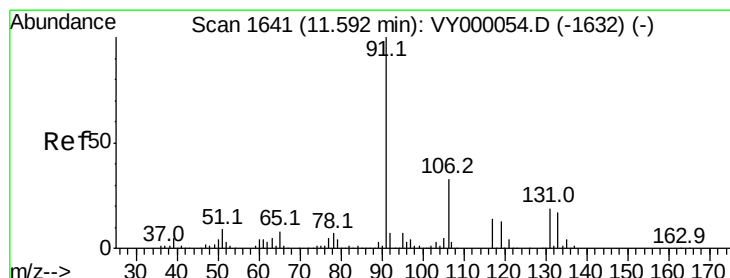
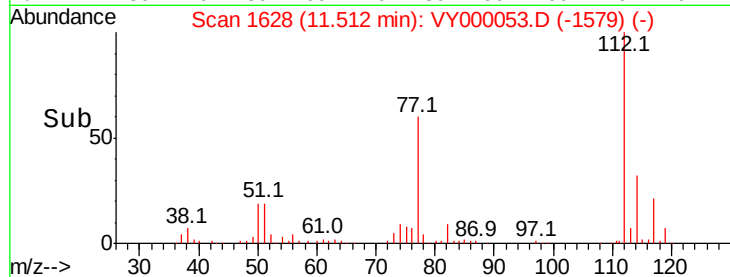
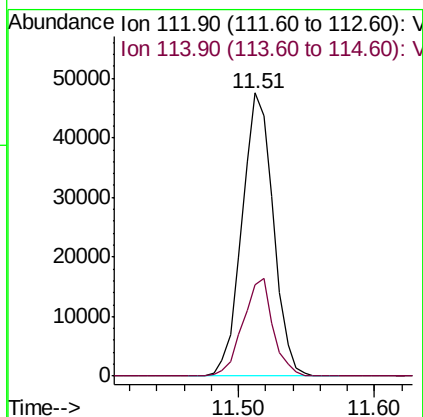
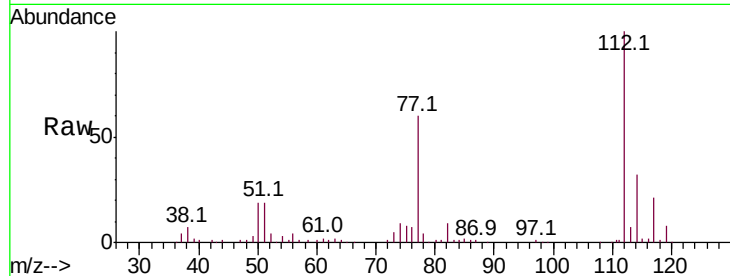




#65
Chlorobenzene
Concen: 20.456 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

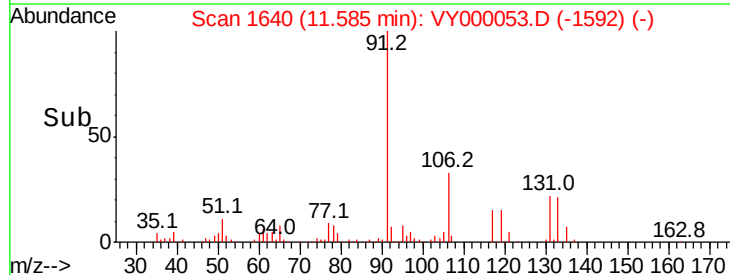
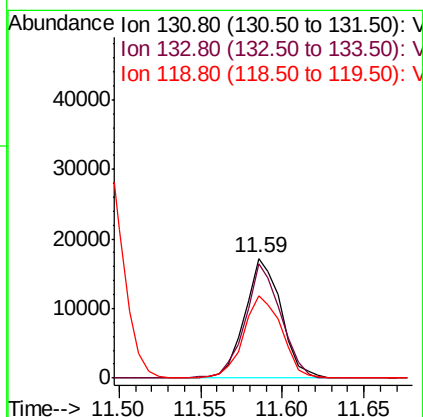
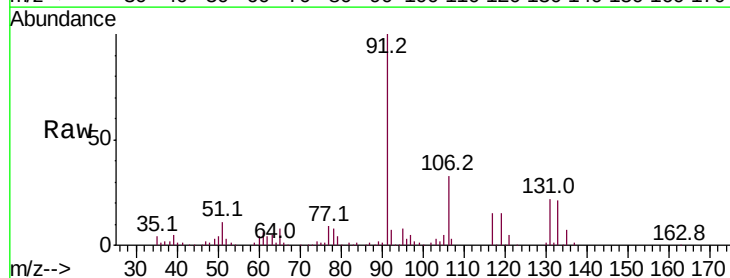
Instrument :
MSVOA_Y
ClientSampled :

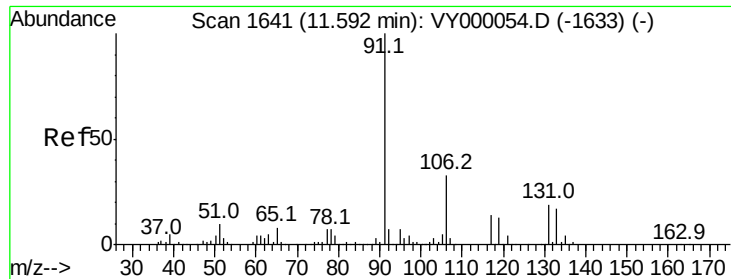
Tot Ion:112 Resp: 76432
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.428 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion:131 Resp: 26527
Ion Ratio Lower Upper
131 100
133 93.9 46.6 139.8
119 72.1 36.2 108.6

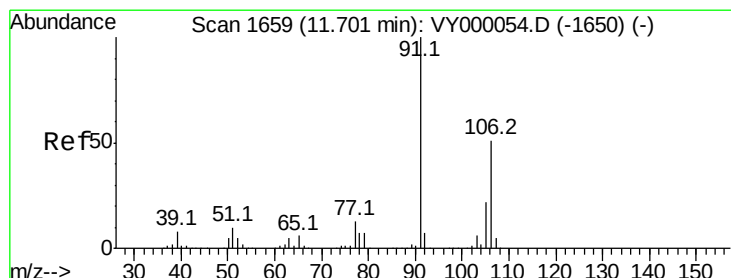
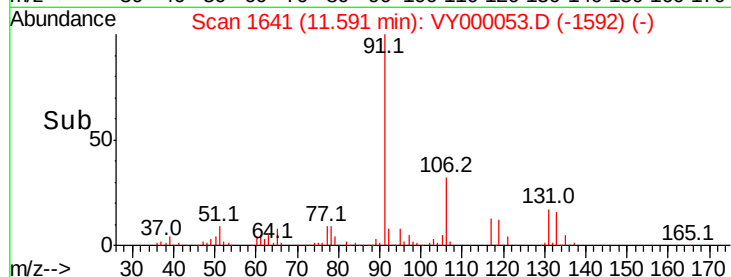
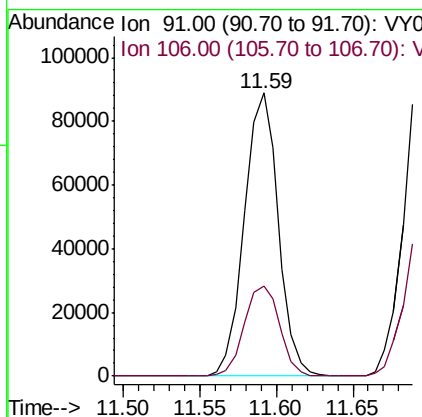
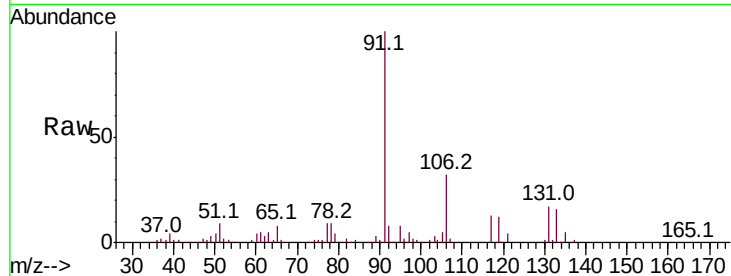




#67
Ethyl Benzene
Concen: 20.151 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

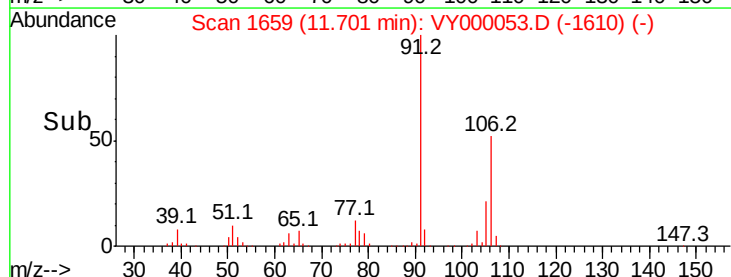
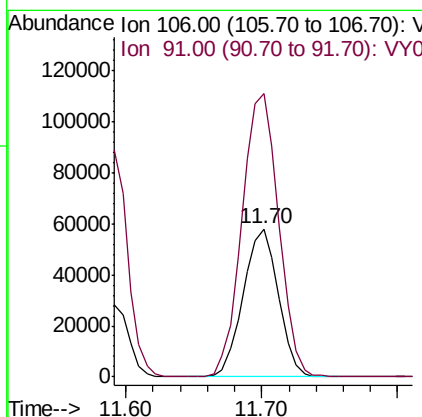
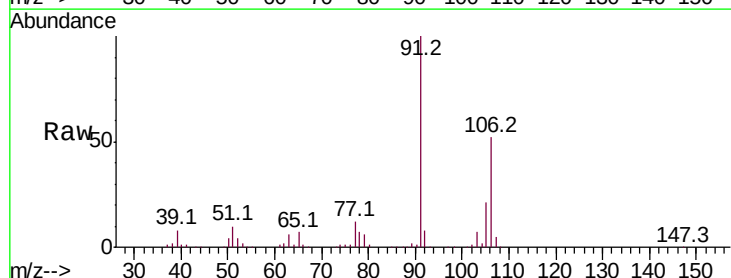
Instrument :
MSVOA_Y
ClientSampleId :

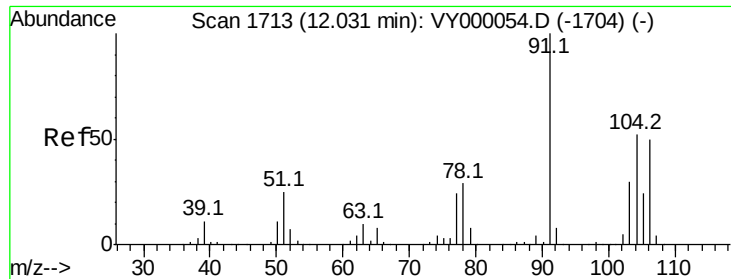
Tot Ion: 91 Resp: 136827
Ion Ratio Lower Upper
91 100
106 31.6 26.6 40.0



#68
m/p-Xylenes
Concen: 40.855 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion:106 Resp: 104829
Ion Ratio Lower Upper
106 100
91 199.4 154.5 231.7

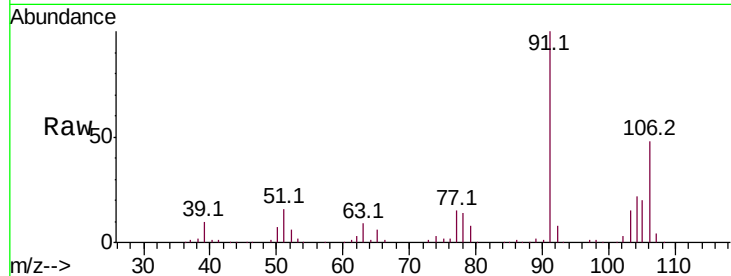




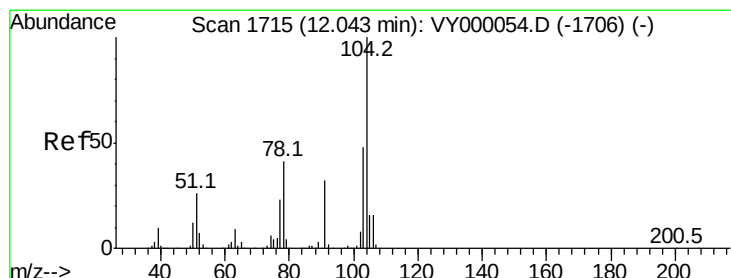
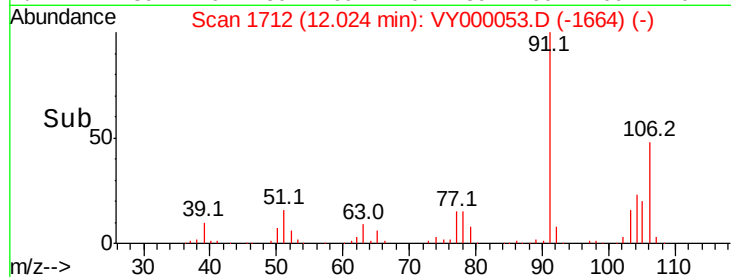
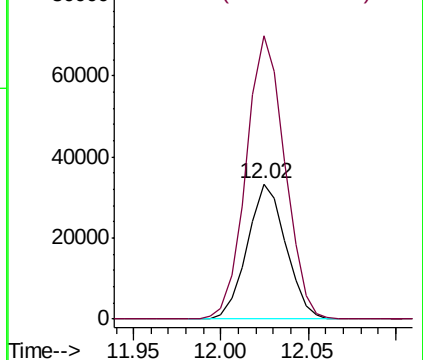
#69
o-Xylene
Concen: 20.348 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 51184
Ion Ratio Lower Upper
106 100
91 209.8 103.5 310.3

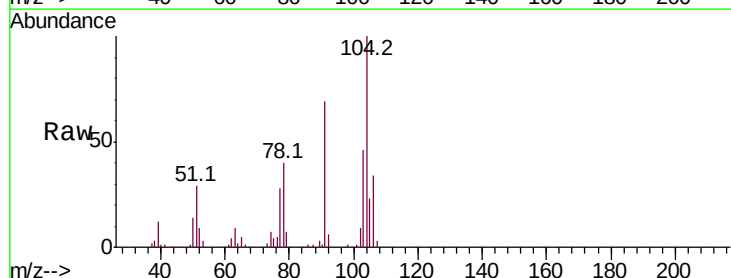


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

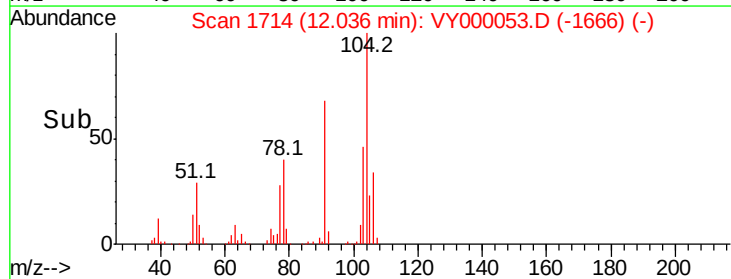
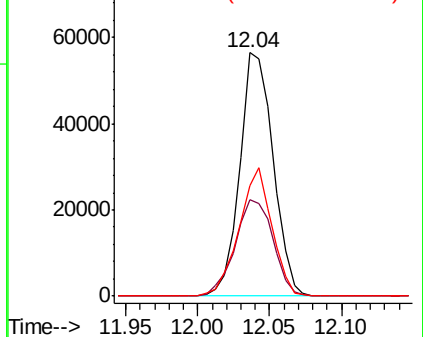


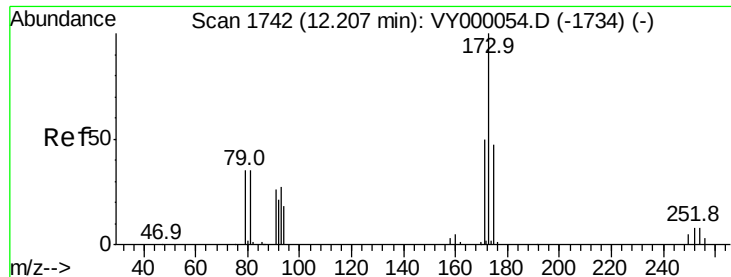
#70
Styrene
Concen: 20.685 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.01 min
Lab File: VY000053.D
Acq: 17 Sep 2019 11:20

Tgt Ion:104 Resp: 90493
Ion Ratio Lower Upper
104 100
78 45.5 37.7 56.5
103 52.1 42.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.703 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

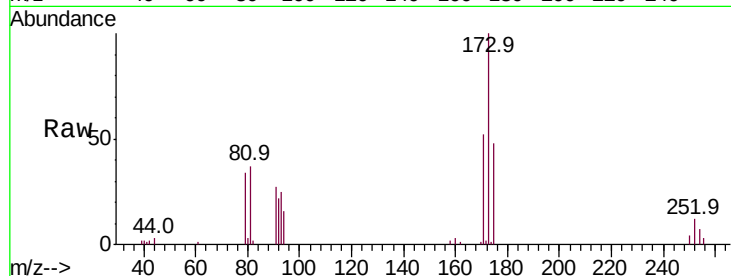
Tot Ion:173 Resp: 15347

Ion Ratio Lower Upper

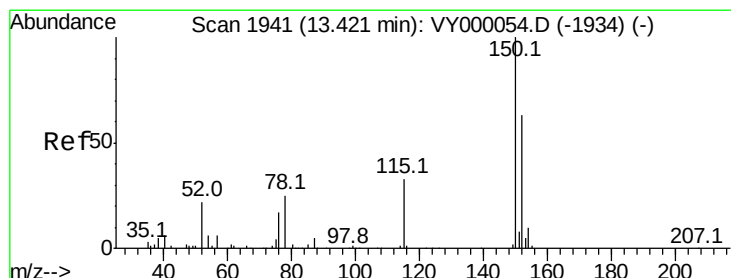
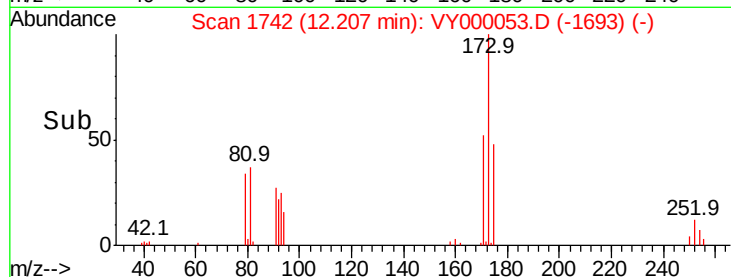
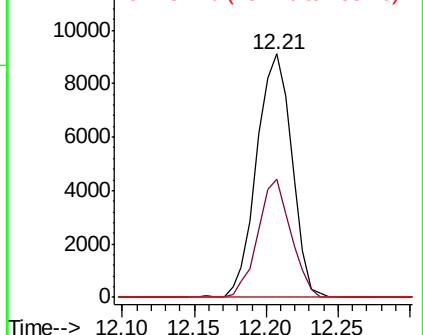
173 100

175 45.7 23.6 71.0

254 0.0 0.0 0.0



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# 1941

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

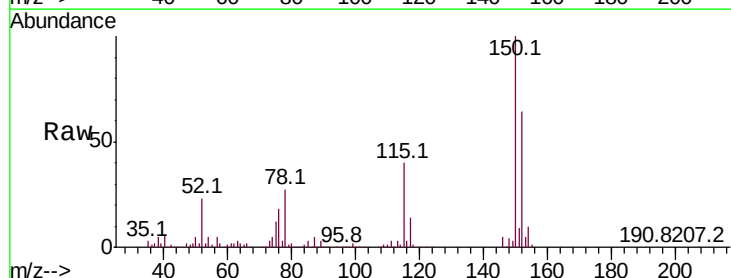
Tgt Ion:152 Resp: 82164

Ion Ratio Lower Upper

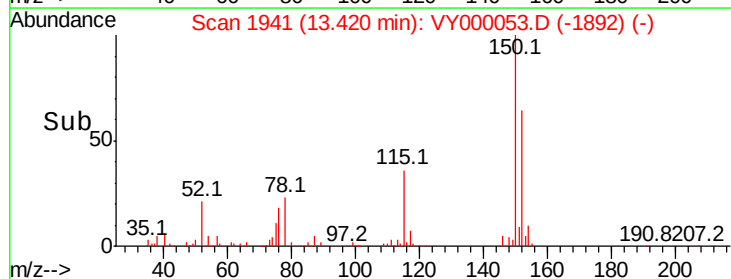
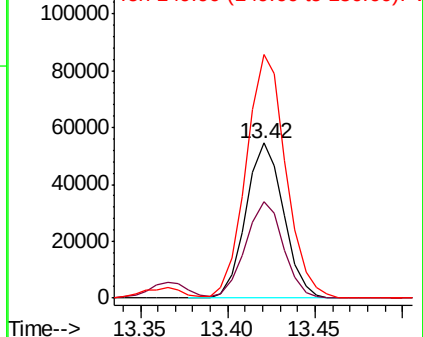
152 100

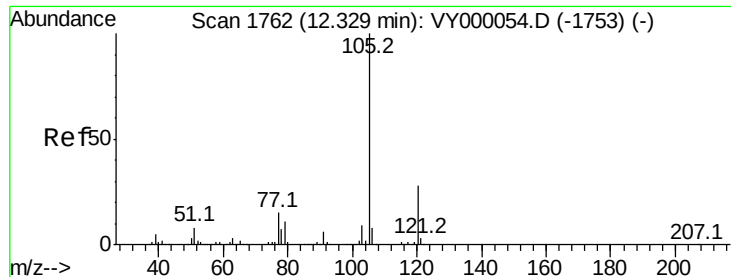
115 62.2 30.7 92.1

150 165.8 0.0 351.6



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: 21.195 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

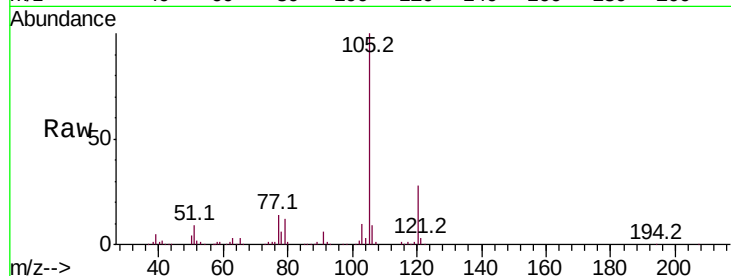
ClientSampleId :

Tot Ion:105 Resp: 135714

Ion Ratio Lower Upper

105 100

120 28.1 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

100000

80000

60000

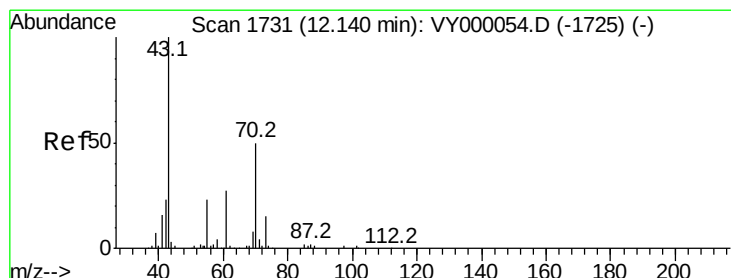
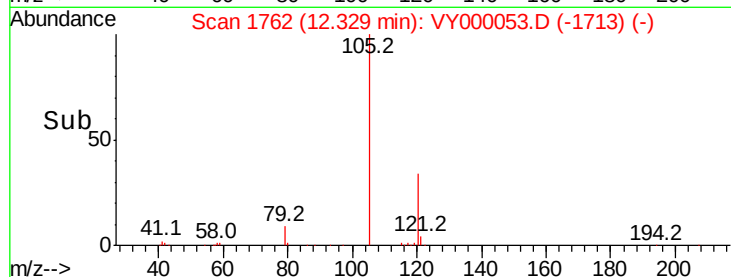
40000

20000

0

12.25 12.30 12.35 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.045 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Tgt Ion: 43 Resp: 37662

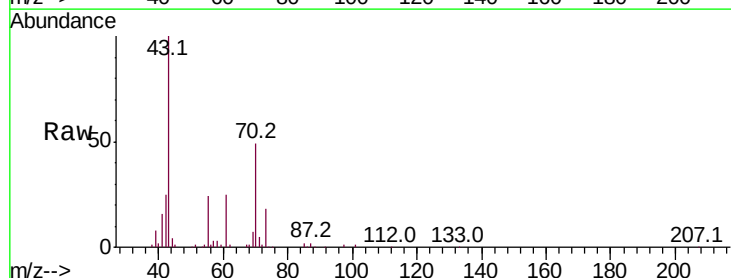
Ion Ratio Lower Upper

43 100

70 48.9 38.8 58.2

55 24.1 18.8 28.2

61 28.7 21.4 32.2



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

40000

30000

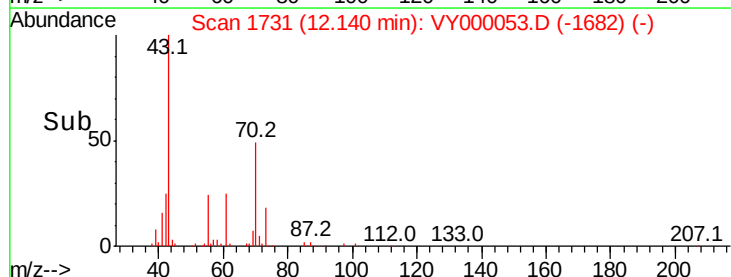
20000

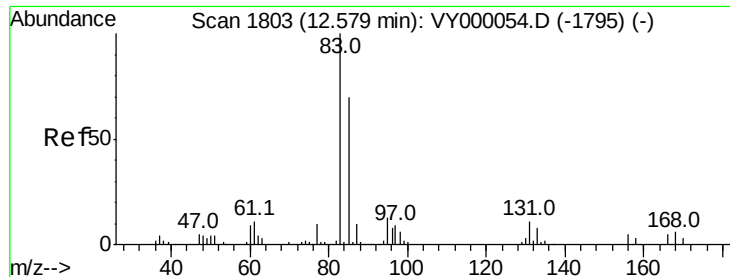
10000

0

12.10 12.15 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.311 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

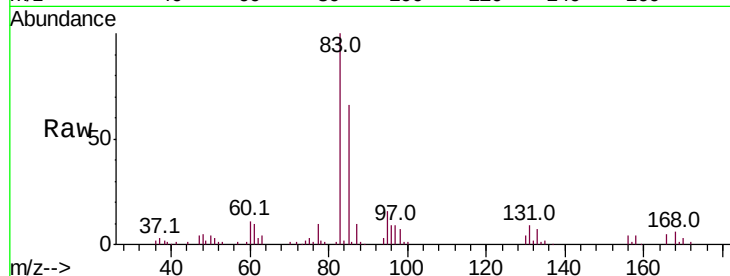
Tot Ion: 83 Resp: 32517

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.9	14.7
85	65.6	32.5	97.4

83 100

131 8.9 4.9 14.7

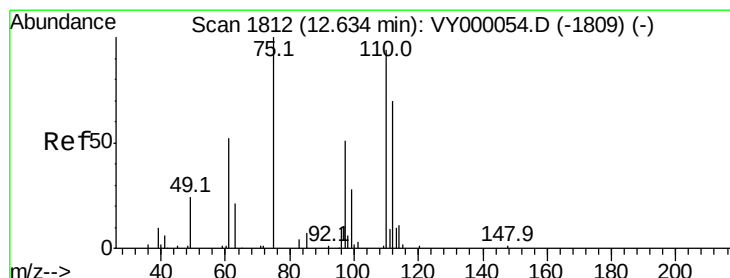
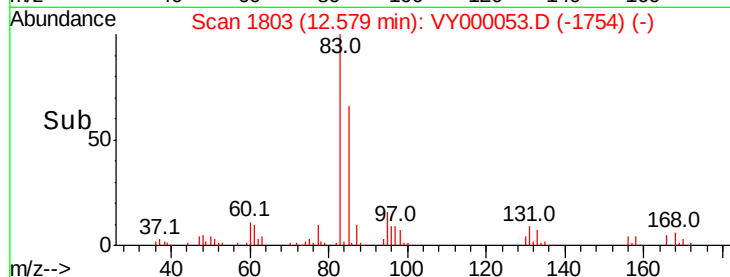
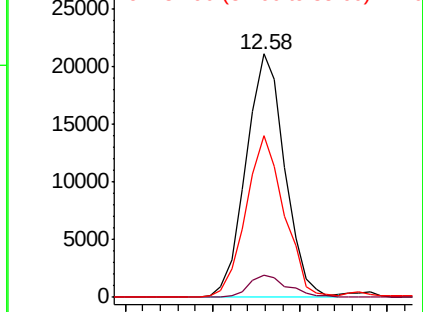
85 65.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 35.738 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VY000053.D

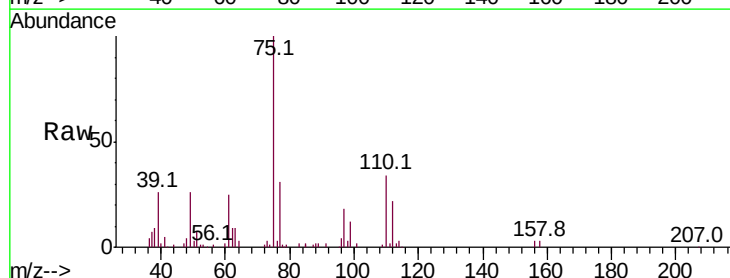
Acq: 17 Sep 2019 11:20

Tgt Ion: 75 Resp: 40783

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

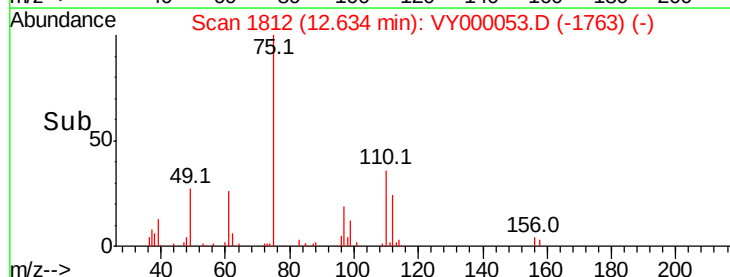
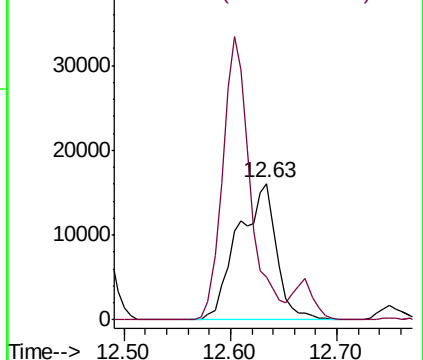
75 100

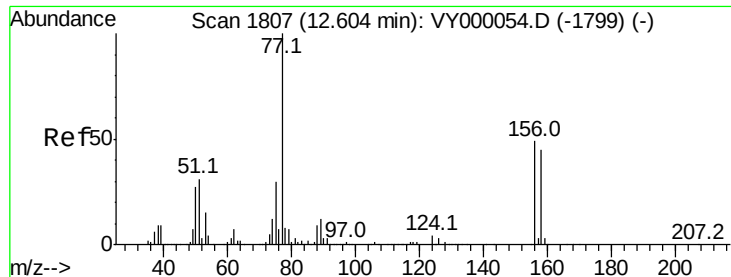
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.351 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

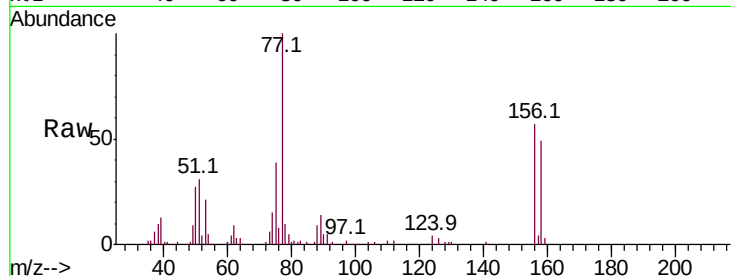
Tot Ion:156 Resp: 28721

Ion Ratio Lower Upper

156 100

77 211.4 109.7 329.0

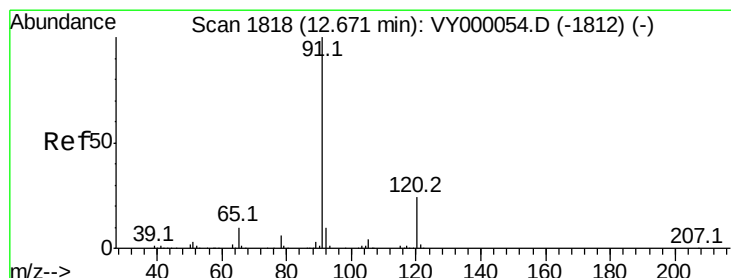
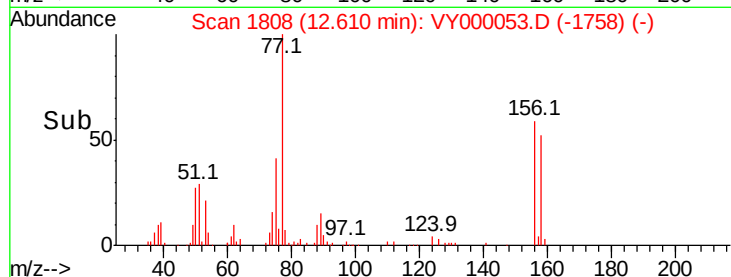
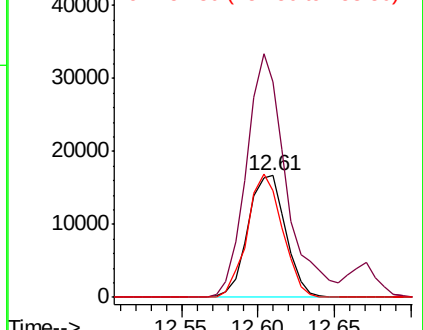
158 94.2 48.0 144.2



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: 21.535 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY000053.D

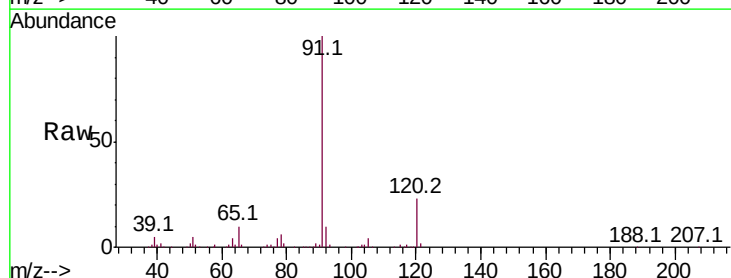
Acq: 17 Sep 2019 11:20

Tgt Ion: 91 Resp: 168560

Ion Ratio Lower Upper

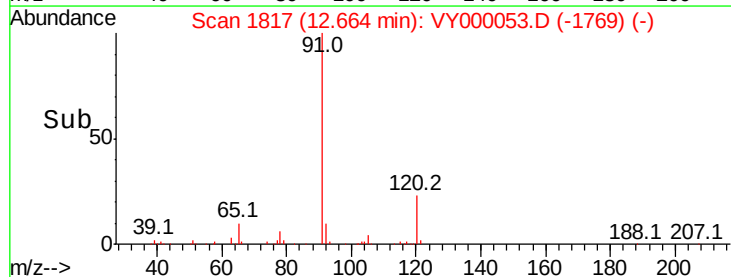
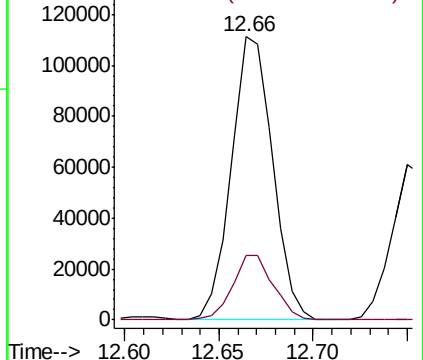
91 100

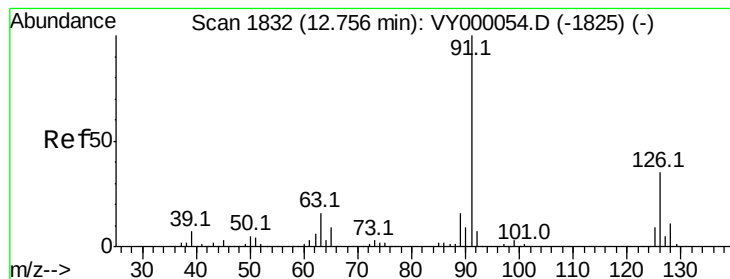
120 22.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.142 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

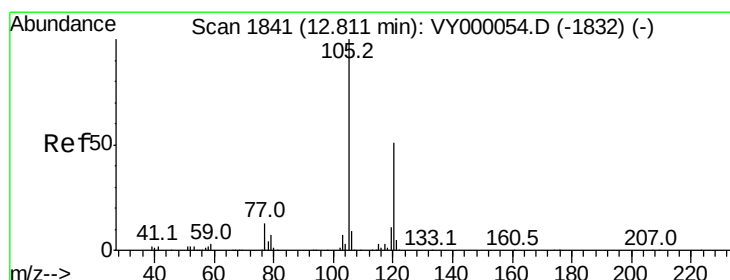
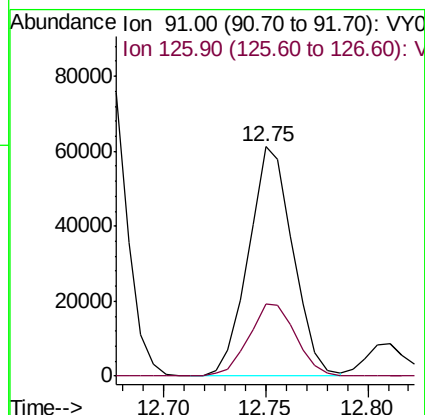
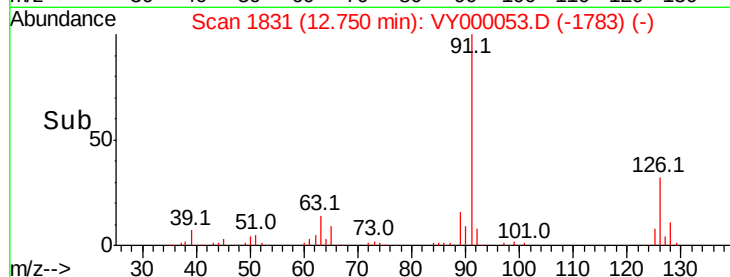
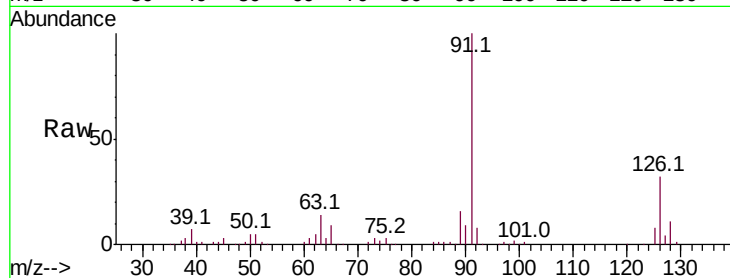
ClientSampleId :

Tot Ion: 91 Resp: 92487

Ion Ratio Lower Upper

91 100

126 33.5 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 20.996 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000053.D

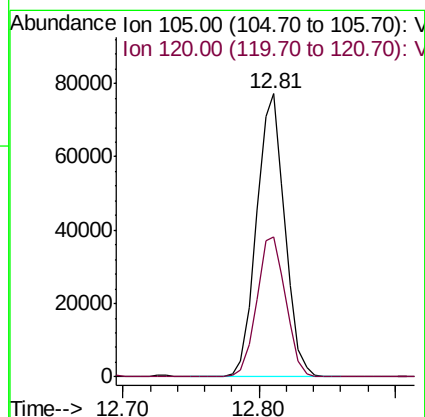
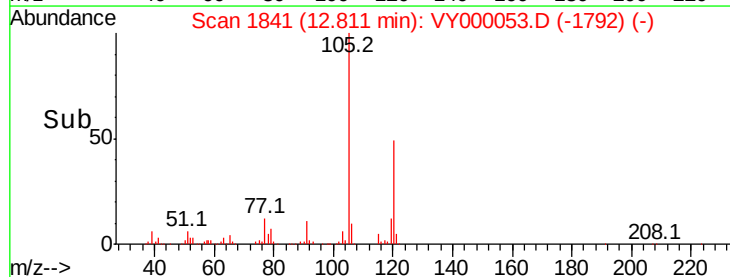
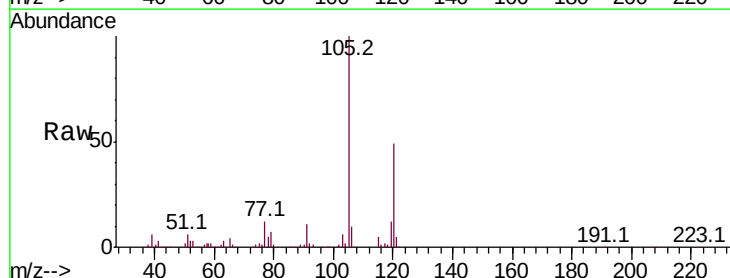
Acq: 17 Sep 2019 11:20

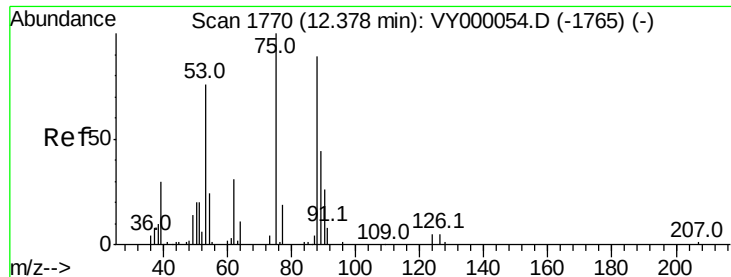
Tgt Ion:105 Resp: 111876

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.732 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

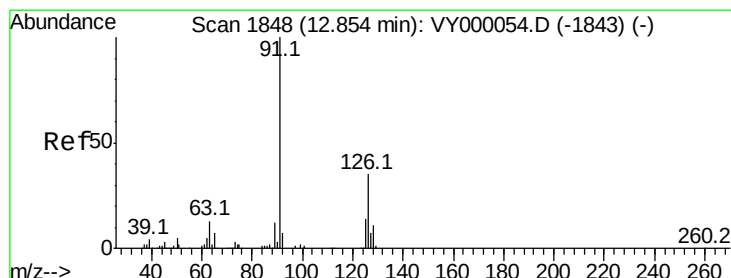
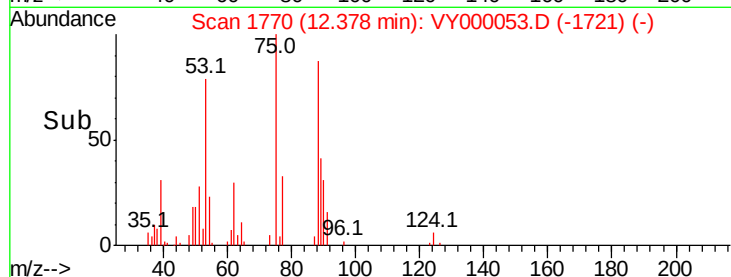
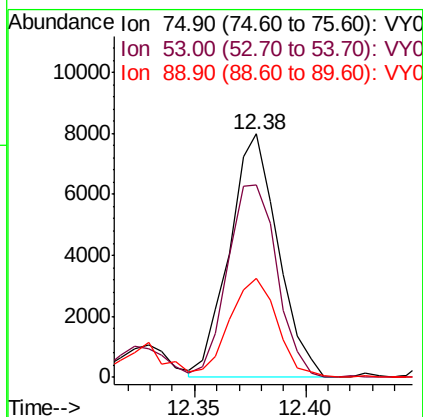
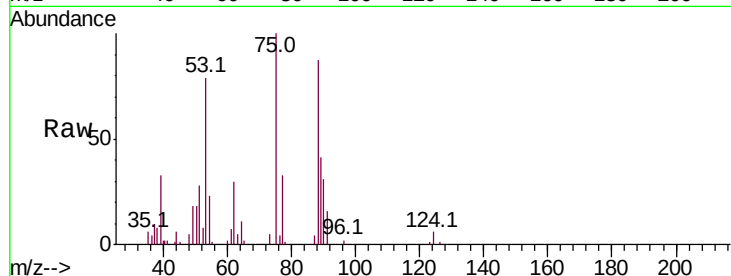
Tot Ion: 75 Resp: 12109

Ion Ratio Lower Upper

75 100

53 80.5 60.9 91.3

89 40.1 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.506 ug/l

RT: 12.85 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VY000053.D

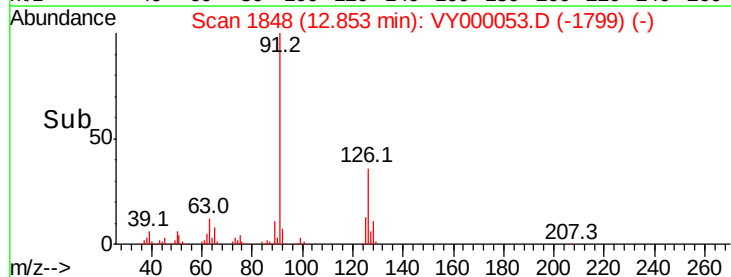
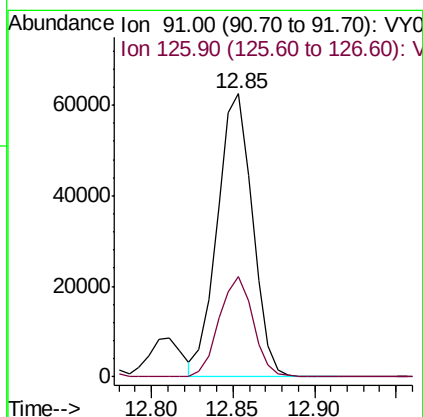
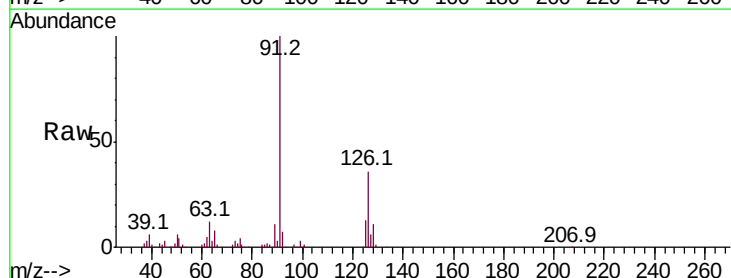
Acq: 17 Sep 2019 11:20

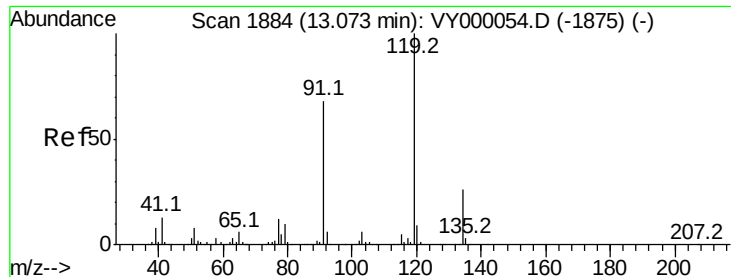
Tgt Ion: 91 Resp: 93936

Ion Ratio Lower Upper

91 100

126 34.2 16.7 50.1

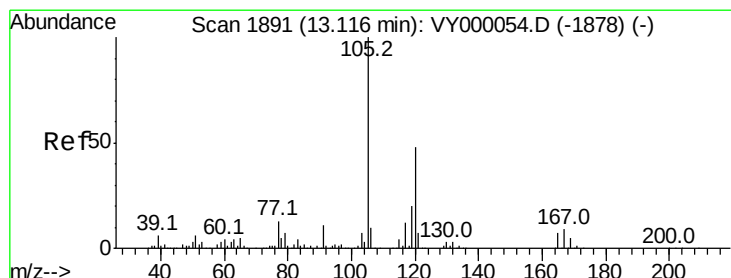
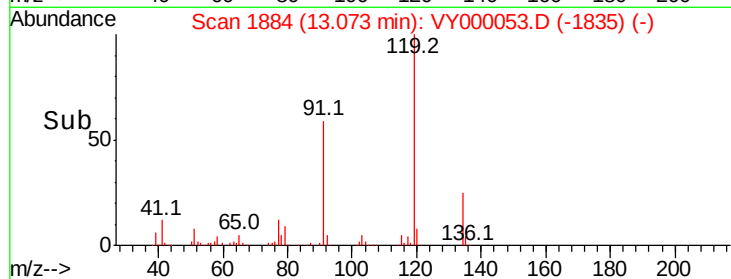
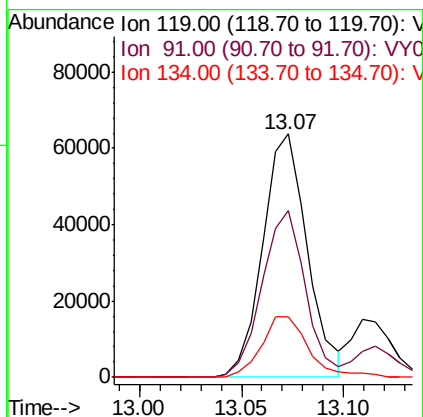
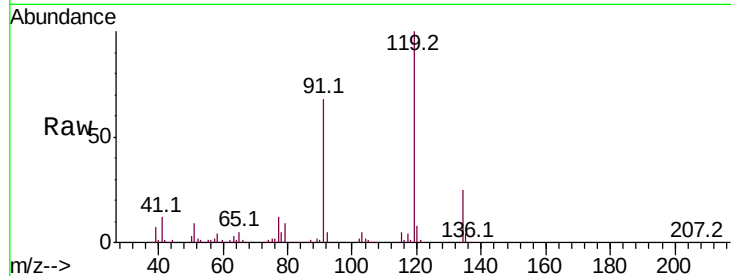




#83
 tert-Butylbenzene
 Concen: 21.214 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

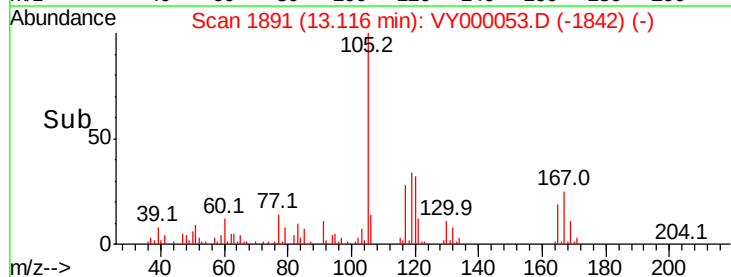
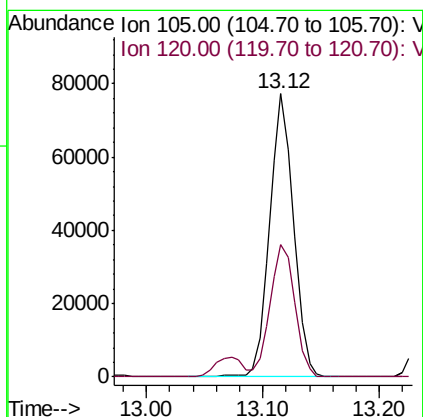
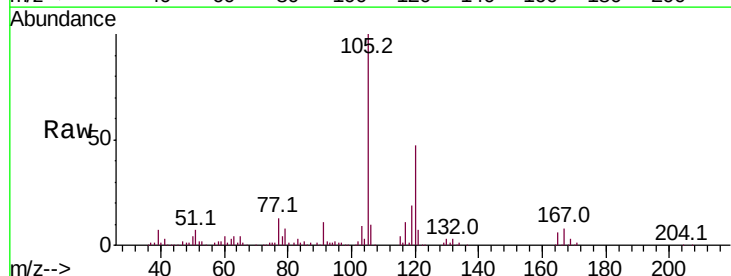
Instrument :
 MSVOA_Y
 ClientSampleId :

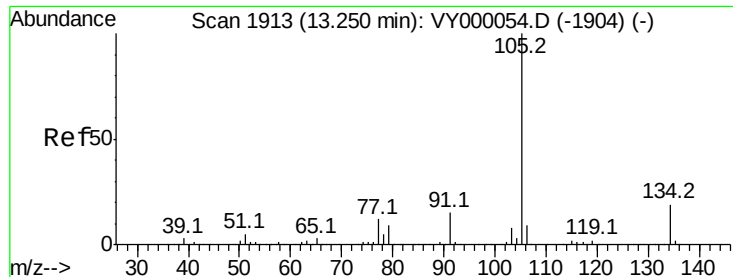
Tot Ion:119 Resp: 97264
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.4 100.1
 134 26.7 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.953 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion:105 Resp: 110507
 Ion Ratio Lower Upper
 105 100
 120 48.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.475 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

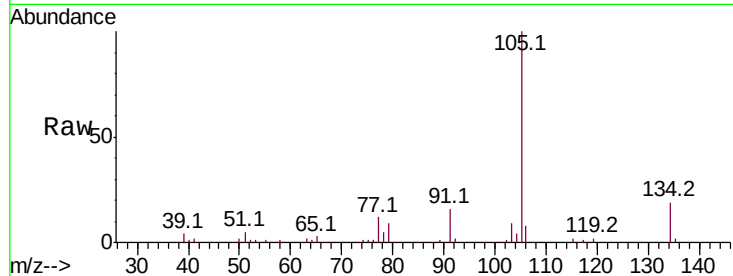
ClientSampleId :

Tot Ion:105 Resp: 145240

Ion Ratio Lower Upper

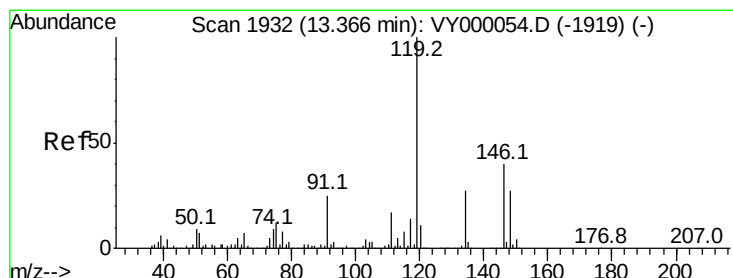
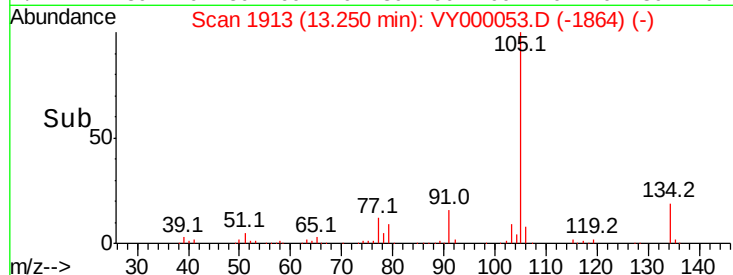
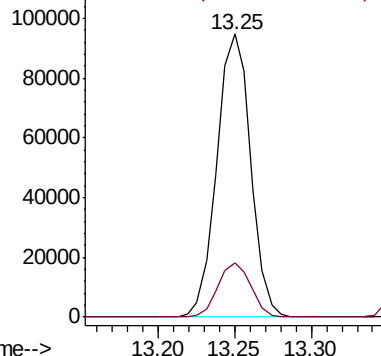
105 100

134 18.7 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.087 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

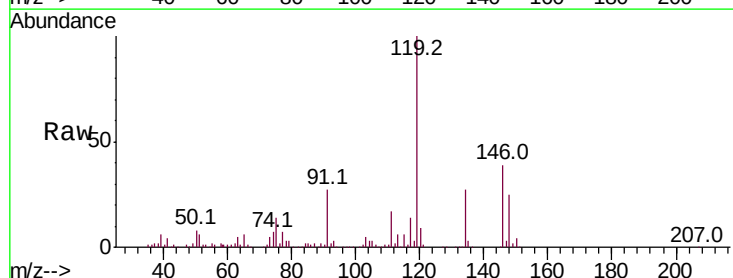
Tgt Ion:119 Resp: 121323

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

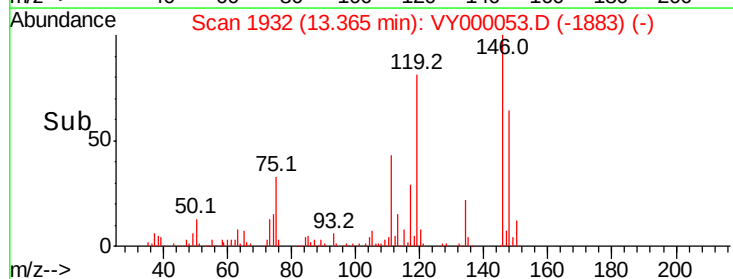
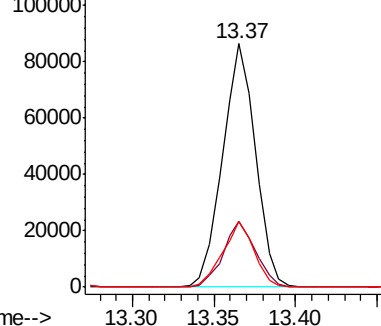
91 25.7 12.4 37.4

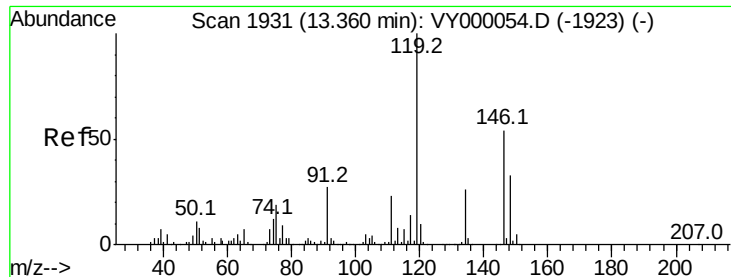


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

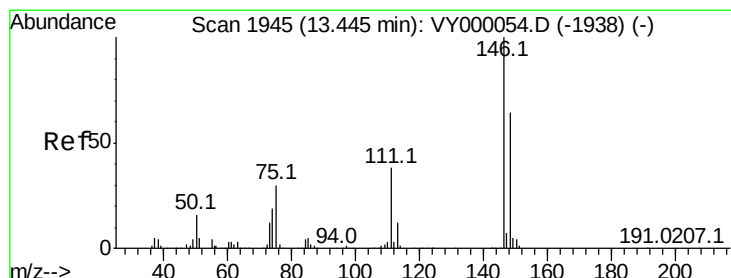
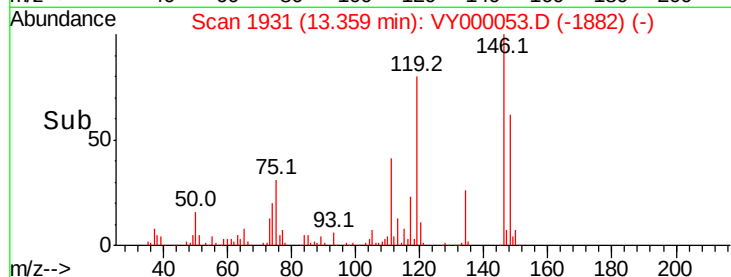
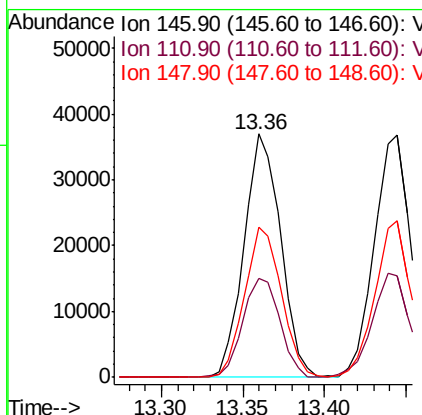
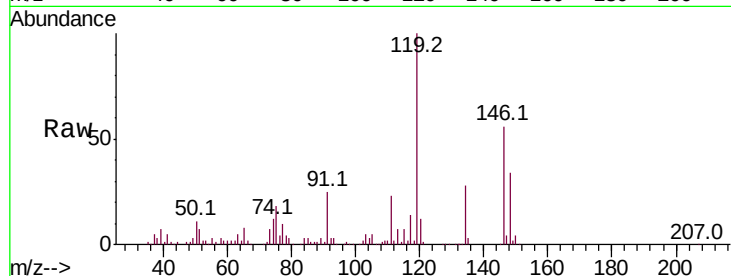




#87
 1,3-Dichlorobenzene
 Concen: 21.311 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

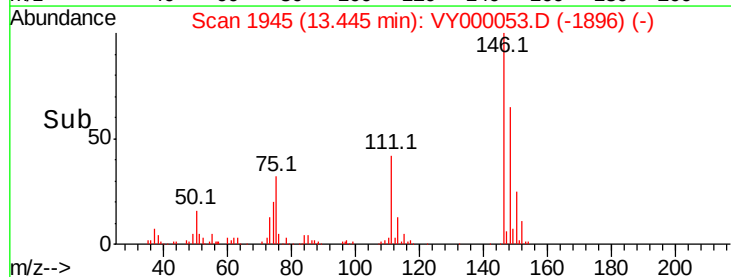
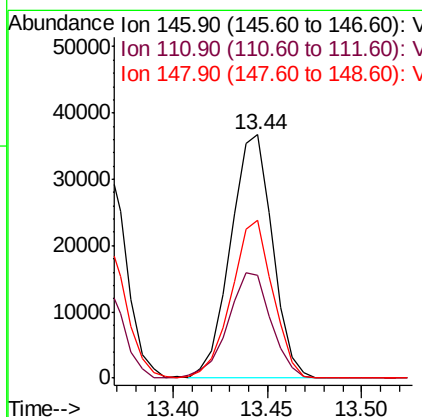
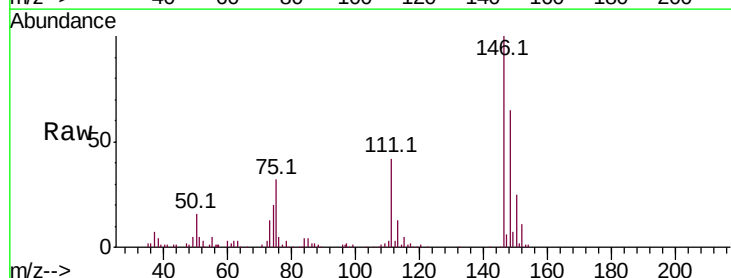
Instrument :
 MSVOA_Y
 ClientSampleId :

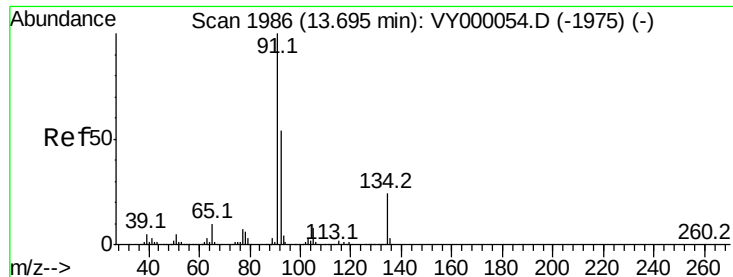
Tot Ion:146 Resp: 57909
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.1 63.1
 148 62.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.793 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000053.D
 Acq: 17 Sep 2019 11:20

Tgt Ion:146 Resp: 56731
 Ion Ratio Lower Upper
 146 100
 111 44.4 20.8 62.4
 148 64.0 31.5 94.5





#89

n-Butylbenzene

Concen: 21.432 ug/l

RT: 13.69 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

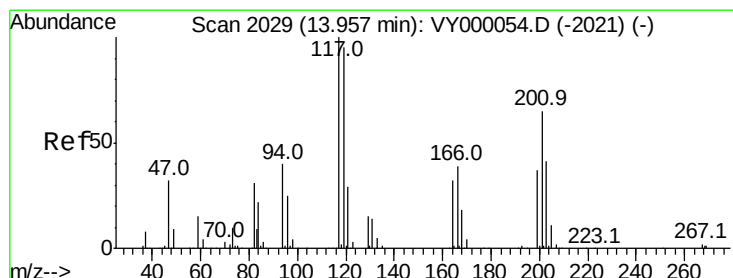
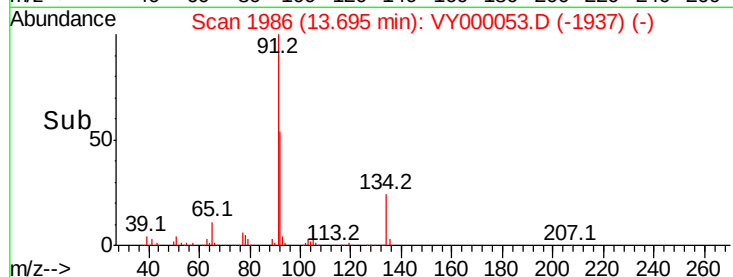
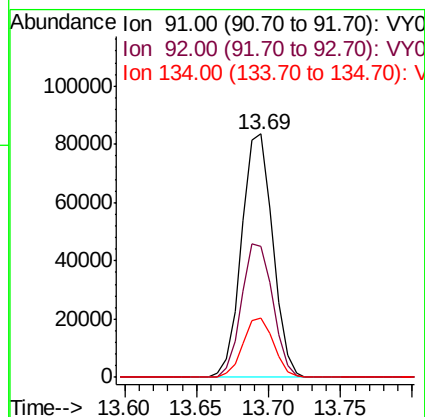
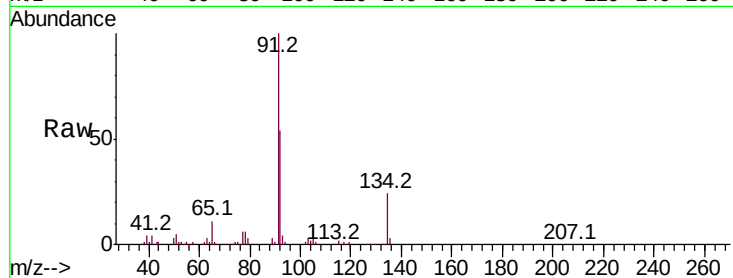
Tot Ion: 91 Resp: 125053

Ion Ratio Lower Upper

91 100

92 55.4 27.2 81.5

134 24.5 12.2 36.6



#90

Hexachloroethane

Concen: 20.891 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VY000053.D

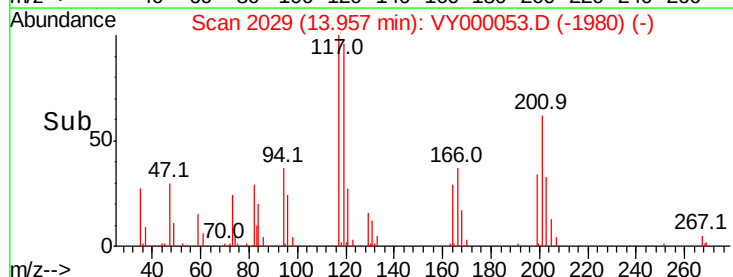
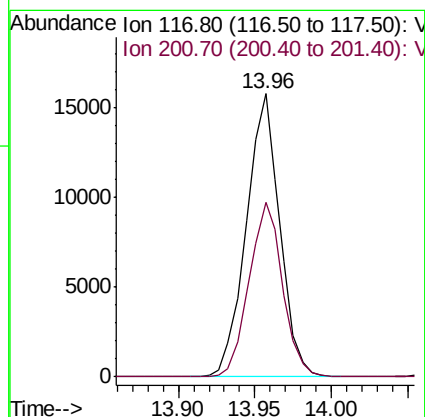
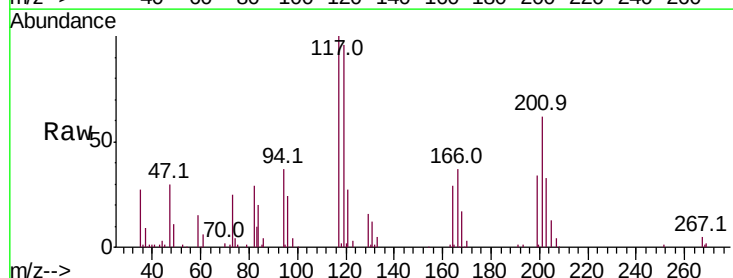
Acq: 17 Sep 2019 11:20

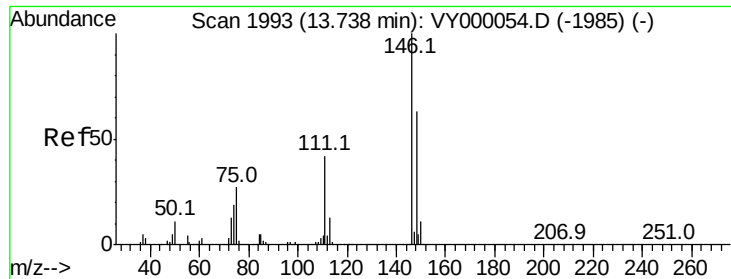
Tgt Ion: 117 Resp: 23959

Ion Ratio Lower Upper

117 100

201 61.6 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 20.790 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

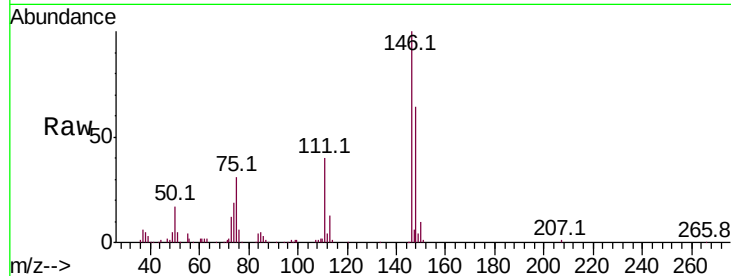
Tot Ion:146 Resp: 52430

Ion Ratio Lower Upper

146 100

111 41.6 21.9 65.7

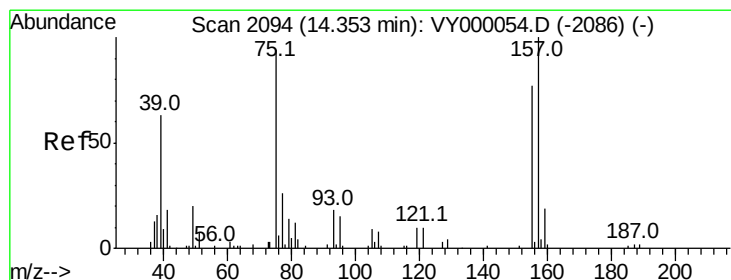
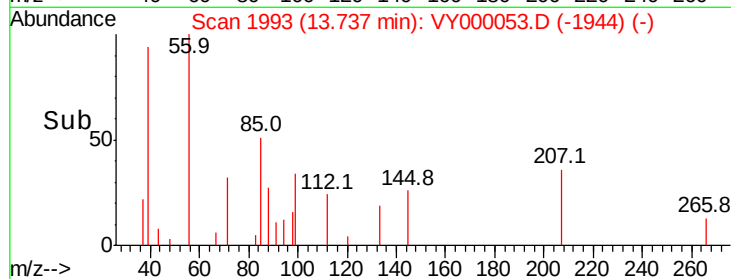
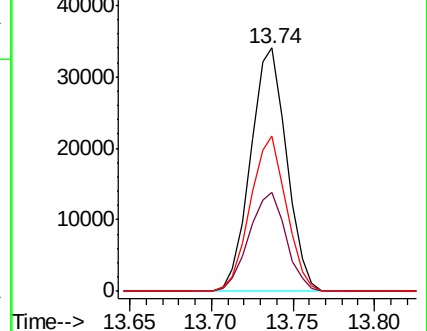
148 63.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.676 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

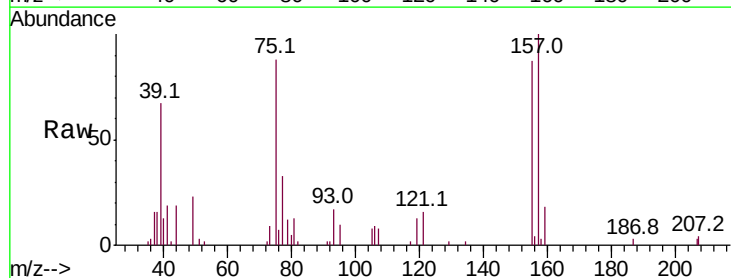
Tgt Ion: 75 Resp: 5518

Ion Ratio Lower Upper

75 100

155 82.0 40.6 121.7

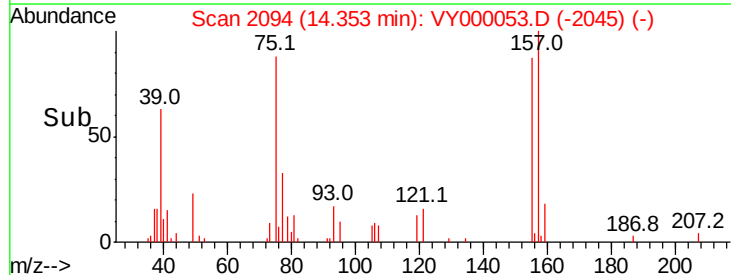
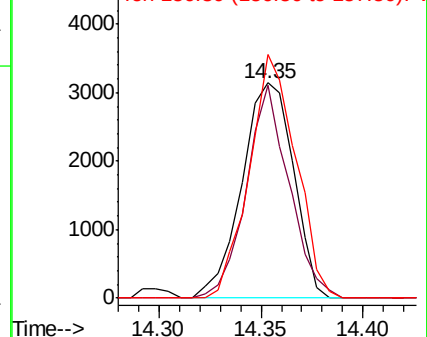
157 102.1 52.9 158.8

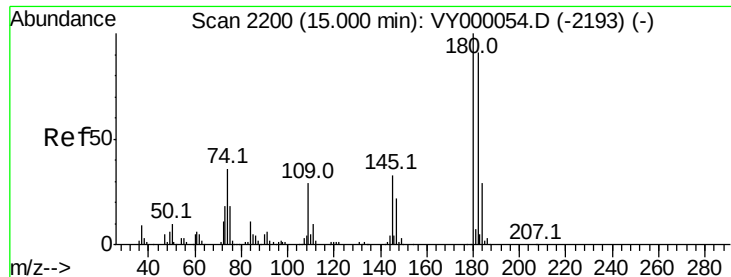


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.067 ug/l

RT: 15.00 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampleId :

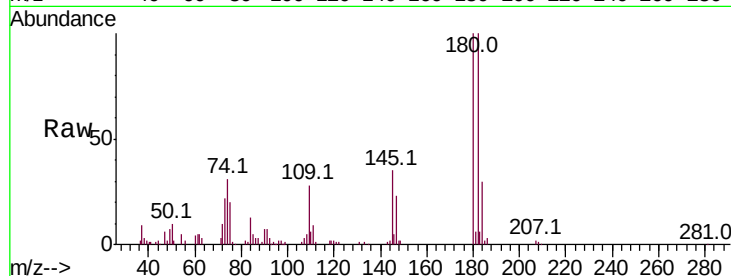
Tot Ion:180 Resp: 32310

Ion Ratio Lower Upper

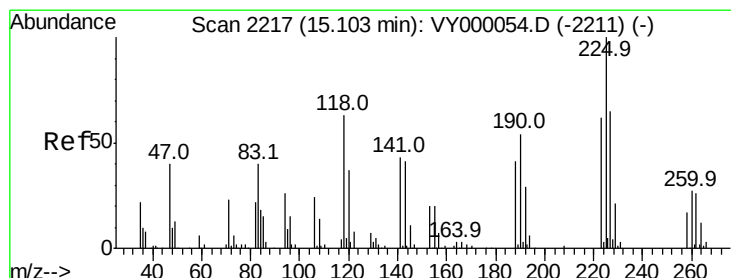
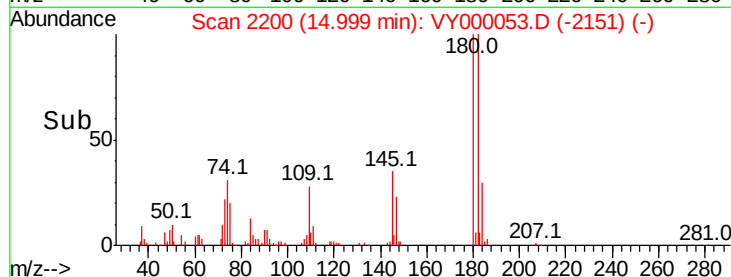
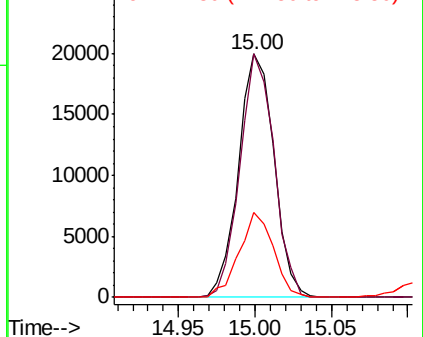
180 100

182 95.3 48.5 145.6

145 33.6 17.2 51.6



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: 20.260 ug/l

RT: 15.10 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

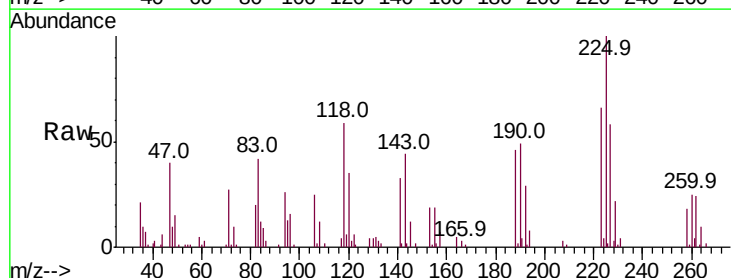
Tgt Ion:225 Resp: 14977

Ion Ratio Lower Upper

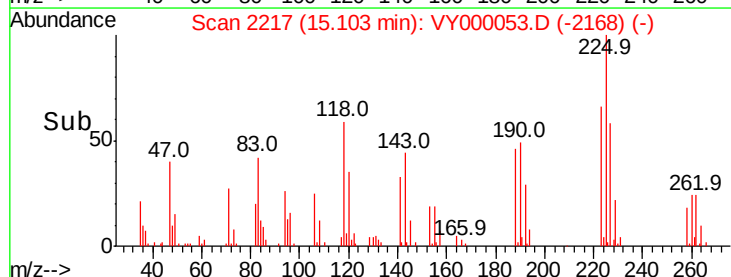
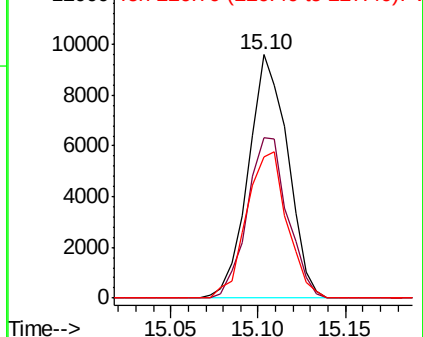
225 100

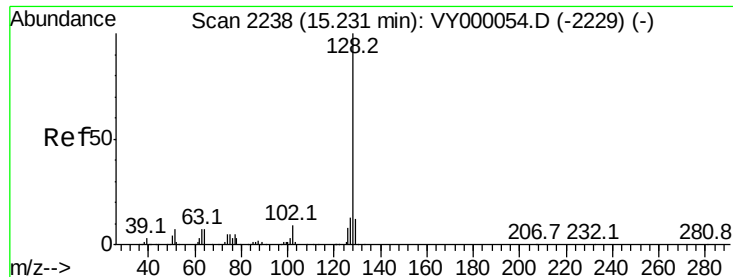
223 67.3 31.9 95.5

227 62.3 30.6 91.6



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: 20.598 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

Instrument :

MSVOA_Y

ClientSampled :

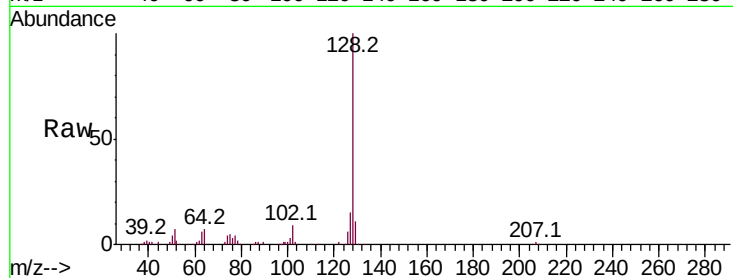
Tot Ion:128 Resp: 90469

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

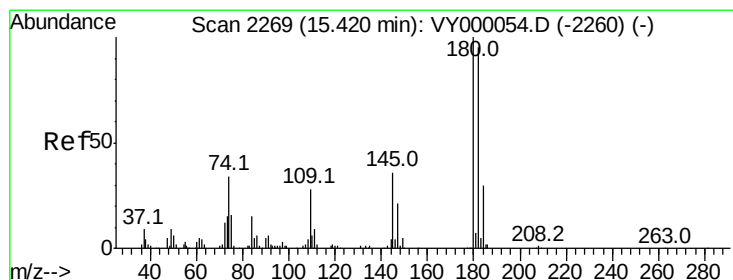
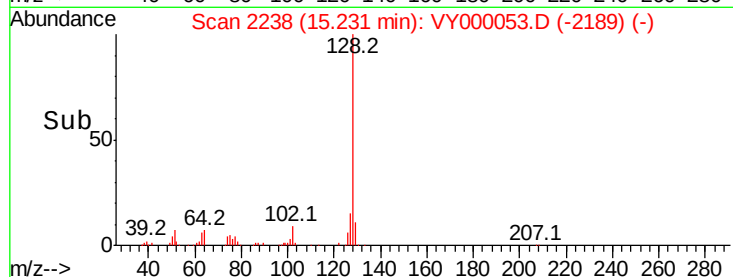
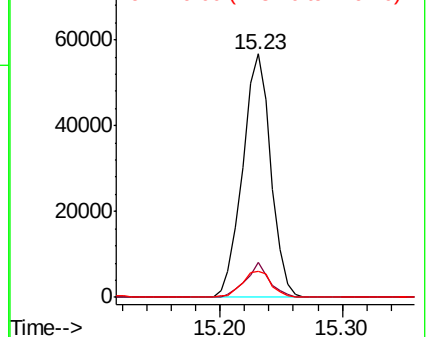
129 11.0 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.743 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000053.D

Acq: 17 Sep 2019 11:20

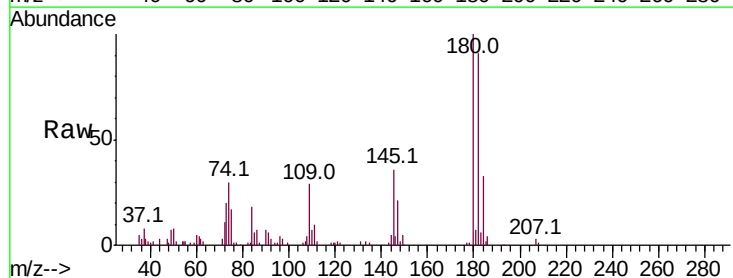
Tgt Ion:180 Resp: 29973

Ion Ratio Lower Upper

180 100

182 91.2 47.5 142.5

145 36.7 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

